

27364	92836	89428	81268	77982	46198	32764	31277
48932	78987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43296
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	76587	58765	76587	58765	76587	58756

# Numbers & Oddities

## Numbers & Oddities

### a.k.a. The Spooks Newsletter

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*Edition #302, November 2022*

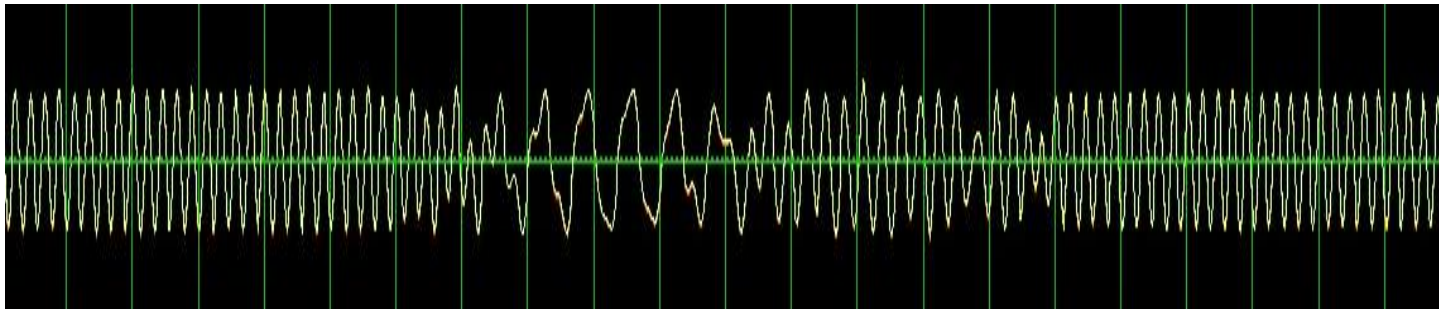
Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)  
 Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



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## FOREWORD

November was a very busy month in Numbersland. Russian operator 7 conducted transmitter tests on 16 and 17 November. We also found a lot of experimental digital modes (M42) and E07, XPB, M12, XPA1, XPA2 test transmissions. Russian operator 6 was also very active with many F06/F06a schedules and several E06 and E06a transmissions. M23 returned with two daily schedules, which was a nice surprise.

I'd like to mention two articles that might be of interest:

[Use Numbers Stations to Communicate in Future High-Intensity Conflict](#)

[Number Stations – A Cryptologic Mystery](#)

*We received over 5300 !!! logs and transcripts. that is a LOT!*

I would like to thank all contributors. Your input is much appreciated.

## VOICE STATIONS

### E06

**14735 kHz, 01-11, 1030 UTC**

**15643/13547 kHz, 01-11, 1300/1330 UTC**

392 860 47

24811 57598 21916 49342 60318 32683 48274 51721 04745 15427

54806 97173 39610 46027 80457 45238 61696 78863 24555 04643

50075 61432 60187 93924 37936 37186 67200 00187 75124 02007

33271 78189 92342 68961 96474 56956 02958 21062 27800 46098

03330 56691 77042 59018 57623 57393 30512

860 47 00000

**18285/20140 kHz, 03-11/04-11, 0600/0700 UTC**

507 892 61

26511 92782 37746 10574 38647 48450 06560 84581 47150 22712

41187 97260 23010 38069 66903 13777 61573 92319 53054 57588

38785 33532 56648 72114 38629 90965 45744 81409 75185 79148

88550 79429 57768 17273 19198 02614 72553 31124 16096 65449

79160 29706 53833 63713 45603 73769 14551 75073 70063 78413

69720 11745 62912 16965 68273 04887 87433 18308 92015 25415

82663

892 61 00000

**18285/20140 kHz, 17-11/18-11, 0600/0700 UTC**

507 923 61

35227 80242 76433 12547 23746 90413 37741 92382 20966 92558

77797 84931 73072 40032 50557 29119 13053 20601 83994 85497

22070 07051 51876 47099 61244 59841 05788 93303 09782 61497

65845 37175 70384 87426 93548 83442 27894 42858 95182 39302

72081 20569 29245 45250 20543 59110 16294 18121 02634 06201

74686 23512 90363 16991 30637 19800 87215 41871 76013 40923

10801

923 61 00000

**9261/5384 kHz, 16-11/17-11, 1900/2000 UTC**

853 149 60

22513 36605 61076 48906 17597 44622 01936 46035 12228 86832

78862 63074 74573 60007 30373 40914 25673 27221 36277 75753

07225 75566 99974 99310 26435 59111 57017 90394 57595 25555

02129 78753 05087 50012 51871 27150 57507 24360 85139 02596

87583 75593 28680 72682 77585 11620 79811 87949 74908 17929

83546 36222 07525 53588 06287 79861 13977 19983 73298 11865

149 60 00000

**10755 kHz, 10-11, 0720 UTC. H3E TX noise until 0728z****10755 kHz, 10-11, 0808 UTC**

975 (R30m25s) 342 60  
 71701 00870 30893 74883 54069 20523 02106 65116 23242 92260  
 69360 40228 72974 11691 19858 56998 66046 62118 92166 93504  
 93995 81970 57104 72262 86559 80754 41286 96741 88014 89492  
 23048 49698 42594 56568 55406 26767 56172 24913 95770 03736  
 26417 51484 47071 60955 58572 54966 40006 13313 09087 02626  
 09856 92986 53851 79869 21580 28985 88990 72605 76994 97441  
 342 60 00000 [38s silence] 97

**11073 kHz, 12-11, 1340 UTC**

352 (R3m30s) 148 60  
 22513 36605 61076 48906 17597 44622 [10s silence]  
 352 (R1m)  
 22513 36605 61076 48906 17597 44622 01936 46035 12228 86832  
 78862 63074 74573 60007 30373 40914 25673 27221 36277 75753  
 07225 75566 99974 99310 26435 591 [2m silence]  
 351 (R1m)  
 75566 99 [40s silence]  
 352 (R1m)  
 75566 99974 99310 26435 59111 57017 90394 57595 25555  
 02129 77853 [4s silence]  
 352 (R1m20s)  
 35 [3s silence] 352 (R1m)  
 90394 57595 25555  
 02129 78753 (group corrected) 05087 50012 51871 27150 57507 24360 85139 02596  
 87583 75593 28680 72682 77585 11620 79811 87949 74908 17929  
 83546 36222 07525 53588 06287 79861 13977 19983 73298 11865  
 148 60 00000

Note how at some point the transmission restarted using the wrong 351 ID, instead of 352.

Full recomposed message:

352 148 60  
 22513 36605 61076 48906 17597 44622 01936 46035 12228 86832  
 78862 63074 74573 60007 30373 40914 25673 27221 36277 75753  
 07225 75566 99974 99310 26435 59111 57017 90394 57595 25555  
 02129 78753 05087 50012 51871 27150 57507 24360 85139 02596  
 87583 75593 28680 72682 77585 11620 79811 87949 74908 17929  
 83546 36222 07525 53588 06287 79861 13977 19983 73298 11865  
 148 60 00000

**Group Count cycle net****10673/14398 kHz, 01-11, 0210/0310 UTC**

537 160 34  
 73201 07825 51990 57299 77362 25867 37295 03710 31013 12943  
 20962 34489 02124 29472 83006 14247 11377 42032 47100 90316  
 15343 07962 47383 45585 64360 33517 62957 89691 52307 91486  
 49737 37052 00462 09227  
 160 34 00000

**10673/14398 kHz, 07-11/08-11, 0210/0310 UTC**

537 829 35  
 29195 39595 41696 69215 49541 78015 45658 90419 72973 34486  
 85785 86071 57074 38006 87510 60558 84889 84352 07443 60475  
 82140 40869 51011 31598 45847 08364 75757 04086 14082 88591  
 22453 16835 31508 30725 41246  
 829 35 00000



**10673/14398 kHz, 14-11/15-11, 0210/0310 UTC**

537 410 36  
44385 02602 88147 89280 92467 73472 16167 04647 80307 41073  
62875 15198 85593 67551 82535 84900 66412 09634 65203 71139  
20209 82147 98073 50198 04940 32573 82005 18622 39634 12572  
32900 18895 26529 57426 22646 62868  
410 36 00000

**10673/14398 kHz, 21-11/22-11, 0210/0310 UTC**

537 286 37  
94858 35578 14370 18601 87638 79768 37845 53963 81234 65946  
31121 89217 86537 60951 65287 39256 50243 34461 44765 81336  
09407 00540 58791 31255 66024 59280 33394 21948 73817 99484  
88532 07981 54417 48314 30113 44348 85119  
286 37 00000

**10673/14398 kHz, 28-11, 0210/0310 UTC**

**10673/14404 kHz, 29-11, 0210/0310 UTC**

537 149 38  
26803 75692 41258 56454 03088 83573 17949 51228 58062 86525  
85896 20881 75736 21078 85153 27673 52350 68102 93488 02504  
27732 28388 98030 71912 64036 35042 51000 05477 26519 76134  
76712 19572 46056 26043 22034 98410 68090 08925  
149 38 00000

---

No transmissions on 3 and 4 November due to Unity Day holiday

**16163/13863 kHz, 10-11, 0300/0400 UTC**

**16173/13863 kHz, 11-11, 0300/0400 UTC**

361 480 31  
93266 63874 01631 56311 95748 30863 59768 14453 81052 16979  
21425 43628 59026 05510 48313 53836 61866 43456 80498 45684  
68948 84404 44482 19508 96195 54143 75034 53352 29695 37472  
43008  
480 31 00000

**16176/13863 kHz, 17-11, 0300/0400 UTC**

**16175/13863 kHz, 18-11, 0300/0400 UTC**

361 590 32  
03428 57945 09944 45836 23946 28565 51149 32125 55434 79888  
45429 33159 15328 85682 69614 48011 48574 93614 51655 39552  
60124 56440 70346 51825 95565 03923 58663 45492 12085 66414  
65407 24778  
590 32 00000

**16163/13863 kHz, 24-11, 0300/0400 UTC**

**16178/13863 kHz, 25-11, 0300/0400 UTC**

361 478 33  
18421 43899 30927 38211 30103 65663 42759 43582 43779 46967  
07946 33057 59934 27030 81539 51697 27879 47393 21223 12792  
13440 09141 67158 65864 82769 10688 24678 78847 56954 39569  
16979 70353 17110  
478 33 00000

## E06a

The message on the 10<sup>th</sup> was repeated on the 11<sup>th</sup>. **Note the message id. It's different**

### 13843 kHz, 10-11, 1440 UTC

346 (R4m) **905** 2 11111 00074 905 2

346 (R1m) 218 50

19117 61918 06174 52460 02690 41715 70597 80565 67215 54547  
36839 77564 58006 21769 60679 42345 44487 40385 51523 18889  
06298 82306 12463 15303 22233 07777 51132 76860 29186 28888  
41054 11488 43318 84136 38165 91118 60613 09951 82194 77379  
79009 20126 37610 45012 09314 29113 53783 01505 67057 80085  
218 50 00000

### 13843 kHz, 11-11, 1440 UTC

346 (R4m) **790** 2 11111 00074 790 2

346 (R1m) 218 50

19117 61918 06174 52460 02690 41715 70597 80565 67215 54547  
36839 77564 58006 21769 60679 42345 44487 40385 51523 18889  
06298 82306 12463 15303 22233 07777 51132 76860 29186 28888  
41054 11488 43318 84136 38165 91118 60613 09951 82194 77379  
79009 20126 37610 45012 09314 29113 53783 01505 67057 80085  
218 50 00000

## E07

14737/13537/12137 kHz, 1500/1520/1540 UTC

### 14737/13537/12137 kHz, 08-11/11-11, 1500/1520/1540 UTC

751 751 751 1 331 146 331 146

16576 08235 23526 77977 38936 29795 49366 42703 68455 96409  
82863 69260 29254 76785 51871 19425 49397 36282 55351 51540  
47092 25754 76250 83482 14577 15884 27854 71125 01173 81804  
50595 33299 46877 46618 64563 65643 16519 47973 22428 07487  
11692 33051 31480 35002 00711 24872 68445 62404 92942 58318  
99273 06926 51024 15240 13729 94999 17872 27804 49171 46588  
88856 33987 70108 08536 97071 96289 18083 78193 06725 07364  
30925 31748 92191 22067 35976 39350 39359 25617 91761 19297  
31744 70292 23275 30531 69122 75120 91642 61736 67121 72607  
65575 87149 44524 19909 90494 90415 96852 62836 04424 79830  
40779 14484 83712 74395 48959 13194 81799 75479 13019 99902  
55098 03435 84731 70025 44120 08859 65283 63478 59800 29568  
96810 65821 28730 36882 59499 30437 91248 70059 30512 59164  
79134 56129 10862 48939 75349 55422 34670 83280 82435 60207  
70234 28770 35283 02270 98630 95175 000 000

### 14737/13537/12137 kHz, 22-11/25-11, 1500/1520/1540 UTC

751 751 751 1 9695 102 9695 102

97182 42824 69175 82215 61208 27915 93875 43483 31713 45665  
88253 48654 24121 67166 73123 48055 70689 62594 88894 31580  
87156 49524 53491 97439 41600 33084 52773 05830 66086 04435  
85013 12669 24509 14500 15173 04568 16268 03275 82149 60004  
82108 49503 13103 87186 56702 54045 89970 44180 20512 75274  
92339 13334 92653 47216 92073 74532 18664 99291 47668 22580  
10154 66211 95815 65793 17285 65810 15488 22316 68702 29901  
73660 58876 67249 20093 68514 40317 02387 63071 60525 50782  
56269 07817 60898 46381 41651 56768 34072 47141 72386 72945  
29302 97842 23262 81018 04124 83038 02416 72410 63730 04512  
84990 93376 000 000

11574/10274/9274 kHz, 1410/1430/1450 UTC

**11574/10274/9274 kHz, 10-11/12-11, 1410/1430/1450 UTC**

327 327 327 1 6884 49 6884 49  
68919 72873 85507 63749 26620 26188 76696 40685 60051 21083  
78710 30150 04846 08750 27503 22655 81937 23001 86962 76169  
61421 58443 77547 92616 46942 25627 59383 84741 99603 29603  
14624 16714 72519 57984 57357 30737 14647 41221 47508 11434  
95939 99334 10104 97572 01646 91634 52310 13392 22830 000 000

**11574/10274/9274 kHz, 24-11/26-11, 1410/1430/1450 UTC**

327 327 327 1 2774 61 27774 61  
48717 32916 76651 81512 38081 26414 12982 93485 06070 83100  
46966 89508 80101 08370 99900 37590 03215 53546 22681 19723  
23519 79079 51720 16138 65702 91413 34042 72315 89380 78989  
39789 59882 26626 29971 35487 52088 45256 07910 24668 21926  
60265 87438 57630 14851 17288 94764 23276 11345 43964 03089  
17842 39073 16739 70858 64110 06618 21772 83159 49837 97739  
72775 000 000

Test transmission

**10256 kHz, 22-11, 1101 UTC**

123 123 123 1 (4x) 12 cut off, audio stutter at the end. E06's voice and wrong pacing and spacing

***E11a***

**6433 kHz, 01-11/02-11, 1205 UTC**

463/35 Attention  
50878 18374 88724 24377 05494 55228 86389 26480 88069 93705  
86836 21603 05753 39036 66203 04937 20250 45128 11807 00918  
79639 88960 37945 08488 94424 64860 81808 72979 99291 88931  
98624 67335 79726 58193 00771  
Attention (message repeated) Out

**4505 kHz, 02-11/05-11, 1910 UTC**

399/33 Attention  
18099 91274 06813 11354 28336 81041 40355 64719 64264 60860  
73028 17487 44615 13470 48815 54486 81275 34476 69502 48131  
77990 70548 70955 38230 42599 96487 30436 08291 76482 73296  
34600 08585 86179  
Attention (message repeated) Out

**5082 kHz, 03-11/06-11, 1900 UTC**

520/34 Attention  
74735 08208 80933 74805 76086 54291 79604 81052 88574 45992  
49082 33476 77647 04035 19876 40583 94142 27068 92748 76291  
96164 76155 10608 86954 39128 61489 80020 50407 63088 25416  
62621 85309 99233 10047  
Attention (message repeated) Out

**7850 kHz, 04-11, 0600 UTC**

353/38 Attention  
38951 12868 25061 82010 48933 99970 41605 14894 95194 23329  
34587 00670 27641 88003 73554 23680 78454 40217 05376 27994  
28125 48646 78166 46531 68068 97503 92377 36722 84447 47957  
00819 20972 69983 21724 27288 70063 83526 46980  
Attention (message repeated) Out

**14940 kHz, 07-11/11-11, 0830 UTC**

185/30 Attention

48331 54196 36478 62283 49211 53890 50068 85563 58616 76545  
85493 98097 35092 35273 95209 36271 52627 01338 07205 50006  
78896 65367 93284 14660 22655 66869 42991 22580 48520 77271  
Attention (message repeated) Out

**6804 kHz, 08-11/11-11, 0700 UTC**

577/31 Attention

79544 31813 78015 62718 09863 75259 56487 80732 55270 34397  
76784 56331 29432 16259 71150 99119 47647 32421 87641 98213  
17572 32127 76570 18763 64638 20898 82784 31162 75377 31485  
33344  
Attention (message repeated) Out

**14611 kHz, 08-11/09-11, 0820 UTC**

133/34 Attention

38541 88101 20656 51298 25136 39213 66322 13794 19684 48735  
58192 48924 22837 97581 37660 07570 79961 53871 76466 11079  
72513 75354 26566 85789 87857 91161 11838 37891 71242 68815  
67101  
Attention (message repeated) Out

**9079 kHz, 08-11/11-11, 1000 UTC**

309/27 Attention

99052 82906 74092 44297 18687 65159 89075 09347 01076 71111  
35730 43948 64593 65038 54235 44113 05125 61327 63708 74846  
81701 00306 69952 91918 65279 74129 70069  
Attention (message repeated) Out

**13363 kHz, 08-11/12-11, 1430 UTC**

919/32 Attention

07929 33180 27328 90447 90078 67012 09384 89003 06732 84350  
63229 23759 55522 83377 40010 02192 94604 04108 51922 56636  
35884 36075 13537 80426 17924 55370 56922 81492 67566 41648  
17718 28159  
Attention (message repeated) Out

**14611 kHz, 09-11, 0820 UTC**

133/34 Attention

38541 88101 20656 51298 25136 39213 66311 13794 19684 48735  
58192 48924 22837 97581 37660 07570 79961 53871 76466 11079  
72513 75354 26566 85789 87857 91161 11838 37891 71242 68815  
67101 54840 90094 72185  
Attention (message repeated) Out

**5082 kHz, 09-11/11-11, 1715 UTC**

974/39 Attention

39392 64662 32973 16609 10922 35498 45529 93767 92799 46545  
10709 63057 36185 33842 94590 49492 92485 40368 44976 04890  
22068 72292 02743 48652 20252 22940 96470 19949 77662 79902  
54600 25410 72233 93413 97093 82834 62607 58209 63920  
Attention (message repeated) Out

**12153 kHz, 10-11, 0505 UTC**

330/38 Attention

19868 72998 66231 29859 37940 89293 71180 29905 12683 73125  
72157 99020 80546 59642 25264 70011 16230 58597 04149 69102  
66833 35153 24058 37309 95389 51788 80390 23729 65569 44792  
79966 75650 31457 13168 45425 21770 11619 57618  
Attention (message repeated) Out

**11100 kHz, 14-11/16-11, 1045 UTC**

696/34 Attention

10736 00474 59535 95212 10428 53244 70104 03676 55525 12136  
38019 69763 11072 93831 63235 40617 89570 77021 23243 12667  
81136 33376 79248 47203 84319 95408 80455 30661 89865 78596  
11488 63203 09997 38170

Attention (message repeated) Out

**4909 kHz, 14-11/17-11, 1300 UTC**

314/36 Attention

18411 82972 69814 05443 18141 57186 74406 76545 82703 99890  
11894 44626 64542 78565 33017 31894 69497 51991 48664 63430  
80101 54321 01438 68121 75388 27705 46574 10860 93712 55663  
00164 29645 00642 10247 18757 79514

Attention (message repeated) Out

**9130 kHz, 15-11/18-11, 0715 UTC**

630/31 Attention

62099 80162 80945 78014 95044 33289 06843 47496 69785 17384  
46182 70996 06736 68554 14484 34190 15546 63235 97019 90494  
83928 72536 94941 64230 05049 82495 50987 38474 34228 82915  
03875

Attention (message repeated) Out

**17378 kHz, 15-11/17-11, 0845 UTC**

155/28 Attention

31258 80318 62088 97802 03983 23709 59634 09030 10319 60402  
72799 62630 92073 17894 83138 91751 08343 84069 59024 00798  
24386 36153 72386 59135 87543 55974 46243 78717

Attention (message repeated) Out

**17378 kHz, 16-11/18-11, 0745 UTC**

347/37 Attention

27106 11979 90460 74208 30628 83245 31886 69869 43974 47281  
43262 53536 72890 57018 81728 07899 19492 41029 70360 68346  
94632 25825 72073 20255 28198 77292 62638 32682 61093 96944  
12454 62116 28998 61713 44226 90381 40496

Attention (message repeated) Out

**7469 kHz, 16-11/17-11, 0930 UTC**

276/34 Attention

76510 08343 17996 83823 01592 91121 61763 70984 83778 18584  
91484 16937 57191 71496 49349 89904 19584 11074 82129 19661  
59198 77889 50028 11922 24962 83893 07867 75711 07955 86060  
72535 98252 80382 66391

Attention (message repeated) Out

**5371 kHz, 19-11/20-11, 0700 UTC**

498/31 Attention

95221 12737 43521 50366 19146 71577 43334 63585 46963 26950  
18878 37754 44595 16129 11639 16452 25697 52618 53842 30103  
98038 22070 97371 18954 68966 67971 26416 82415 39740 55734  
28426

Attention (message repeated) Out

**4909 kHz, 21-11/24-11, 0450 UTC**

412/40 Attention

71297 17277 91462 96300 22975 50053 67857 94145 18043 70128  
94028 49514 53521 19756 91535 47614 65303 47231 01239 89404  
52190 61232 61975 69620 99617 39944 89207 80719 23649 57396  
24892 79974 52767 59956 54229 63475 46018 44786 89514 94437

Attention (message repeated) Out

**16005 kHz, 21-11/23-11, 0640 UTC**

946/35 Attention

62043 42765 98866 78494 02323 55894 94401 32669 61368 73379  
09762 75854 68782 91143 04913 02159 27076 08298 59683 63070  
21319 61730 45869 49208 90934 12171 59523 39406 76399 10644  
95832 76341 38158 84541 45493

Attention (message repeated) Out

**10213 kHz, 21-11/24-11, 0745 UTC**

269/36 Attention

36275 95278 38197 65694 32944 59687 72019 72089 28303 45623  
54931 95476 89572 30375 12896 55635 90610 83499 80492 14389  
80319 00753 20530 30239 27115 11035 47282 42207 06376 86571  
32675 94823 07725 75778 81043 24565

Attention (message repeated) Out

**11092 kHz, 21-11/23-11, 0900 UTC**

532/38 Attention

99979 92437 25161 88386 03379 25253 31527 57086 34556 33217  
40454 11735 94287 18436 22209 33334 67668 68532 35862 91333  
08907 95917 23592 14893 17442 99455 81106 70198 98391 28662  
70460 24769 15054 74220 19563 99167 76317 23000

Attention (message repeated) Out

**12924 kHz, 21-11/27-11, 1745 UTC**

248/33 Attention

81797 09005 72497 19258 59332 47491 60768 79044 54072 51743  
73169 06682 16105 92301 67738 16753 19774 32401 13592 67482  
07783 12682 10769 18552 44257 22238 58454 31031 38790 96108  
25553 67473 55987

Attention (message repeated) Out

**6849 kHz, 21-11/24-11, 1900 UTC**

648/33 Attention

04950 98308 06101 78413 82308 72732 46390 09498 37670 11909  
23968 58392 22579 59152 06498 40787 52517 66472 41421 90429  
78830 12820 07666 89332 44741 91403 49593 05361 22214 02169  
27303 42377 14602

Attention (message repeated) Out

**7840 kHz, 22-11/24-11, 0645 UTC**

511/33 Attention

75156 32869 92425 07451 92769 16228 81937 98825 96920 71879  
89099 92982 84141 59516 25451 10209 34892 13499 01113 04496  
73345 28120 69250 06614 21878 31979 57611 13409 25652 11006  
52395 76805 27589

Attention (message repeated) Out

**13908 kHz, 22-11/24-11, 0745 UTC**

220/32 Attention

62940 69424 97591 61975 75813 88669 34429 76874 63834 65985  
06823 06654 81582 86045 89992 58100 62771 93383 76922 54865  
79084 54966 08518 98001 47747 90970 58925 75280 03325 82018  
02783 84075

Attention (message repeated) Out

**5432 kHz, 22-11/27-11, 1605 UTC**

232/36 Attention

36141 72564 22052 17245 99076 11530 94679 65732 44575 53890  
58252 30114 13953 22195 00256 01653 88721 43563 21195 57984  
43904 97834 03913 37220 09169 72382 51358 02484 53921 06468  
58408 32228 96626 02421 33978 80317

Attention (message repeated) Out



**5149 kHz, 24-11/25-11, 0820 UTC**

439/37 Attention

24368 51827 36668 96173 96711 53166 55320 12062 15552 26889  
 55946 43849 87045 89440 23777 79476 10382 76590 61024 10908  
 78749 85492 56345 91126 17948 01628 31151 20957 68136 18946  
 12664 42427 35712 50491 05945 93046 44969

Attention (message repeated) Out

**6849 kHz, 25-11/27-11, 1815 UTC**

924/36 Attention

03639 45496 33067 99980 69340 77896 18106 53753 39376 43103  
 50333 37956 96495 49490 38716 23833 59948 80936 58744 46049  
 84352 08147 63581 49056 11231 76752 82489 11926 14882 38560  
 57098 94495 96689 93597 57635 21776

Attention (message repeated) Out

**4909 kHz, 26-11/27-11, 1530 UTC**

367/36 Attention

15726 07179 55172 36581 71366 62824 00783 20025 32598 63638  
 70780 59380 28293 97237 15962 36697 69766 14984 86999 09303  
 03079 61318 17952 51971 26303 71476 35702 91948 77993 81525  
 61267 27972 45940 99043 05055 70483

Attention (message repeated) Out

**11104 kHz, 28-11/30-11, 0715 UTC**

752/36 Attention

20013 78903 70458 02898 71290 45538 47505 50459 54762 25643  
 84235 57865 32516 40944 24142 49000 08265 82761 25981 14946  
 53092 17255 42031 44553 92328 68709 84279 20908 54989 99130  
 91960 90604 82183 41011 15369 51216

Attention (message repeated) Out

**12067 kHz, 28-11/30-11, 0845 UTC**

711/33 Attention

92447 97517 93864 71112 58046 16185 90404 96575 58480 41645  
 25913 28366 25856 78859 39207 07669 21589 18005 85393 36234  
 37107 34000 23054 04372 62979 32308 45313 36050 56138 21324  
 11078 91829 48229

Attention (message repeated) out

**S06****7672/5457kHz, 04-11, 2000/2100 UTC**

319 319 319 00000

After the 2100z transmission ended, and the carrier went off, it came back a few seconds later just to transmit a Windows XP shutdown system sound.

**7672/5457 kHz, 18-11/19-11, 2000/12100 UTC**

319 720 51

80068 88044 45888 60323 27454 78904 29549 50589 44167 84721  
 17689 30393 65303 55621 60609 13959 28187 74630 51112 94256  
 85465 55938 27890 09291 99069 99563 32973 71456 69315 05582  
 85590 63079 15733 35252 54093 31438 33945 72831 76559 10514  
 63696 91397 57481 01777 79656 34928 99146 07140 69727 08204  
 02725

720 51 00000

**11616/9322 kHz, 01-11, 0400/0420 UTC**

480 619 52  
57450 97168 41768 59288 66905 66989 12094 59517 23446 88693  
25687 03125 71146 32826 61118 87231 91966 65994 10485 42616  
66242 97080 29212 76460 55150 33316 35169 61674 16086 00904  
30534 39989 86880 09880 44858 31009 99812 67901 22754 64409  
11338 72648 04649 77463 58478 37527 74046 45088 77810 30356  
69728 34602  
619 52 00000

**11616/9322 kHz, 02-11, 0400/0420 UTC**

480 253 61  
80456 53220 17187 62379 63314 08692 93327 01361 71379 23698  
86191 77023 17240 44946 23142 70298 01139 26550 14273 04288  
76735 02607 34042 46182 29471 22758 17849 83890 28467 55436  
96990 94570 37894 88466 20428 47228 98754 81720 36815 06596  
17013 51513 35216 30464 19006 91417 67949 77662 60079 59200  
03996 68865 97387 84553 86423 67420 62787 77315 92234 72386  
96764  
253 61 00000

**11616/9322 kHz, 03-11, 0400/0420 UTC**

480 697 52  
80456 53220 17187 62379 63314 08692 93327 01361 71379 23698  
86191 77023 17240 44946 23142 70298 01139 26550 14273 04288  
76735 02607 34042 46182 29471 22758 17849 83890 28467 55436  
96990 94570 37894 88466 20428 47228 98754 81720 36815 06596  
17013 51513 35216 30464 19006 91417 67949 77662 60079 59200  
03996 68865  
697 52 00000

**11616/9322 kHz, 04-11, 0400/0420 UTC.** No transmission due to the public holiday:

**11616/9322 kHz, 07-11, 0400/0420 UTC**

480 125 63  
83368 65427 73695 83539 93470 62624 10597 10041 72963 80075  
23079 25036 43190 69099 65749 66677 95484 64170 75021 12222  
67067 81156 54042 71421 51809 89873 29207 37849 00541 34390  
45438 34045 90600 99522 92428 11472 69314 46967 97021 91179  
01079 69490 97927 56129 72755 36624 47959 31125 37045 30309  
05976 11271 98543 93904 65714 24903 72156 43032 85714 41937  
68567 11654 13504  
125 63 00000

**11616/9322 kHz, 08-11, 0400/0420 UTC**

480 379 51  
19965 49120 14913 49346 00839 39824 91809 09205 69483 92206  
11524 56837 53257 40589 08331 51978 67601 21043 31907 64569  
45016 85012 59166 52684 18429 84896 65954 39772 01142 42555  
13300 64643 30552 36653 27904 02663 67830 69793 81545 81559  
70740 01374 99114 40309 81790 57099 49937 04518 98909 51098  
02090  
379 51 00000

**11616/9322 kHz, 09-11, 0400/0420 UTC**

480 216 52  
19965 49120 14913 49346 00839 39824 91809 09205 69483 92206  
11524 56837 53257 40589 08331 51978 67601 21043 31907 64569  
45016 85012 59166 52684 18429 84896 65954 39772 01142 42555  
13300 64643 30552 36653 27904 02663 67830 69793 81545 81559  
70740 01374 99114 40309 81790 57099 49937 04518 98909 51098  
02090 73895  
216 52 00000

**11616/9322 kHz, 10-11, 0400/0420 UTC**

480 537 61  
08171 62037 07552 70938 66494 60068 45306 75352 54954 75225  
89979 66094 60287 33747 10525 51773 19758 68026 74259 70713  
08654 47835 71714 58940 98970 67497 21265 17092 12724 06212  
39485 05948 18332 03705 88165 25252 43502 18402 33923 55532  
03051 60309 81352 67588 65116 15787 65646 29348 04173 06404  
15625 64770 14310 49067 23115 44490 81195 09599 79613 12887  
36178  
537 61 00000

**11616/9322 kHz, 11-11, 0400/0420 UTC**

480 916 52  
34953 68419 95402 82789 78212 53342 72041 70535 61875 07177  
73000 05261 40118 96376 83449 52332 12406 56435 46663 32107  
75423 20257 49589 66508 49697 20049 76090 63981 98126 48692  
57545 91259 78585 91525 75505 05397 97796 64473 96090 44481  
58670 19459 40804 00476 18276 03040 23466 22640 98656 79205  
07949 24936  
916 52 00000

**11616/9322 kHz, 14-11, 0400/0420 UTC**

480 372 54  
30870 80647 18140 46402 05616 85668 03127 87840 80782 28616  
89675 60794 52348 49225 50652 75555 76622 28327 61676 42527  
42135 66069 85959 65148 77957 42259 69782 86021 28135 07278  
90800 97212 46922 76991 26376 50645 94498 30114 34113 29532  
37871 31441 61788 66770 86633 29400 28863 21264 18276 01359  
46764 48074 72734 45125  
372 54 00000

**11616/9322 kHz, 15-11, 0400/0420 UTC**

480 951 62  
88185 65234 78663 49654 63401 48975 00408 97314 15039 67114  
57192 43207 12087 78838 91111 03651 40302 08808 79838 13849  
84968 04695 43056 53845 29370 73334 41971 39791 79938 50178  
45315 47754 53987 81731 60303 62214 90987 25672 51957 66468  
73310 98328 99258 17106 67386 24210 61541 69767 21207 67272  
53589 48344 79114 48618 52854 74837 99812 80297 87243 02037  
88540 69920  
951 62 00000

**11616/9322 kHz, 16-11, 0400/0420 UTC**

480 327 54  
75983 70740 15325 36301 76787 08931 01637 67231 41073 42504  
50049 11131 65389 66191 69151 60640 36341 05084 19722 71283  
64739 54126 55955 86372 03831 38025 68742 72151 18799 27501  
10689 61642 99722 72829 07557 30611 35181 40600 85827 54127  
88680 64639 71053 17007 45116 47031 36711 76920 19428 70166  
08217 03404 44659 05777  
327 54 00000

**11616/9322 kHz, 17-11, 0400/0420 UTC**

480 591 62  
70975 71657 87479 23891 93646 11894 30374 83550 00996 09420  
99565 25490 31502 70586 71505 30466 56498 64810 32122 97338  
91359 49327 44324 99319 70481 12786 09737 11409 78204 98635  
29366 32452 52881 94227 92872 50277 06285 96580 51147 23329  
25527 90745 51882 77239 49690 01702 42805 39790 38353 05732  
72287 62676 74194 12197 41999 03537 66866 51670 91300 66671  
50334 31346  
591 62 00000

**11616/9322 kHz, 18-11, 0400/0420 UTC**

480 652 70

63586 73910 07269 78210 55816 94215 42380 10662 47373 22615  
58066 60557 69315 70332 65108 30117 49321 33648 09332 45616  
79483 51605 53902 37601 61146 48976 87887 52459 06493 62913  
53276 56267 01545 76733 07647 16866 60289 09268 64659 75095  
24596 33214 79575 41125 89623 20932 71980 76822 59409 41116  
02902 50090 62315 54786 48508 72118 81024 84030 37579 53483  
76782 51944 44931 40022 12556 17188 57993 14451 04814 51622  
652 70 00000

**11616/9322 kHz, 21-11, 0400/0420 UTC**

480 719 54

52170 54824 02277 57627 85783 13400 59691 27455 48990 01231  
65169 23079 51395 50215 72512 60071 78650 02544 37370 15184  
82065 27535 45183 84835 64809 21390 53684 16362 31885 25785  
29636 10441 96048 26258 84493 18169 56883 16314 38677 81181  
95205 38185 69155 88293 49984 36201 20004 47071 69967 83680  
80650 93791 57216 69308  
719 54 00000

**11616/9322 kHz, 22-11, 0400/0420 UTC**

480 326 51

69060 72943 38272 74984 36359 94628 79583 80643 33485 91108  
49739 37662 87184 89646 27695 29080 28939 04075 39731 46822  
59588 83651 22434 00361 43383 17075 61559 04770 53008 21370  
55203 90360 50525 70330 74742 01095 66157 42187 21951 73940  
00254 91208 05762 16387 79588 72919 87039 24281 15312 77610  
64997  
326 51 00000

**11616/9322 kHz, 23-11, 0400/0420 UTC. No Transmission**

**11616/9322 kHz, 24-11, 0400/0420 UTC**

480 795 64

29493 56499 00967 52738 95009 29725 76443 82620 35916 33768  
19429 12470 64963 06847 53316 95759 07606 35708 99217 49938  
85344 76104 47101 55869 32643 26102 91081 78059 16639 19412  
64823 85380 59500 30921 37961 76968 86668 11631 59510 42983  
49402 95160 59171 14918 95090 43036 42496 85151 83747 20927  
40828 00423 74137 23026 01976 58918 27972 86772 32533 65663  
05605 65080 27812 25898  
795 64 00000

**11616/9322 kHz, 25-11, 0400/0420 UTC**

480 136 54

90286 54232 63260 81377 94310 82942 32091 63567 53544 11066  
85104 53788 46334 63014 81801 21804 32796 70892 18307 71205  
95708 47692 27059 06596 70169 04324 15730 96960 54208 71435  
15080 58670 17544 11958 86417 06549 50678 35306 36367 46445  
21505 49182 19620 07747 31623 09909 34362 39273 89555 57234  
40068 16982 43038 44561  
136 54 00000

**11616/9322 kHz, 28-11, 0400/0420 UTC**

480 752 61

72171 82129 91805 77929 13797 27028 25839 24216 67911 21458  
69521 61534 55186 91993 46822 40172 54277 43022 10209 50186  
29014 36444 57931 01546 97878 82805 08427 89925 31704 73548  
80293 90329 90529 09048 51271 45724 35563 02153 94659 42895  
77170 61892 16615 92687 44840 87051 42771 56827 90057 24290  
27602 88522 58027 70509 84982 79007 89183 24140 63384 27245  
36416  
752 61 00000

**11616/9322 kHz, 29-11, 0400/0420 UTC**

480 396 52

72171 82129 91805 77929 13797 27028 25839 24216 67911 21458  
 69521 61534 55186 91993 46822 40172 54277 43022 10209 50186  
 29014 36444 57931 01546 97878 82805 08427 89925 31704 73548  
 80293 90329 90529 09048 51271 45724 35563 02153 94659 42895  
 77170 61892 16615 92687 44840 87051 42771 56827 90057 24290  
 27602 88522  
 396 52 00000

**11616/9322 kHz, 30-11, 0400/0420 UTC**

480 521 63

51072 94310 57538 37871 30664 25980 62851 91366 93240 16600  
 15863 12133 56382 32656 16945 16753 51609 49800 09559 23586  
 50967 04500 32277 81617 55030 52826 06446 77538 72022 84802  
 01684 31971 42739 67755 46396 20811 90953 17110 75500 82581  
 04004 18065 32544 97787 73237 46582 68401 51152 49017 63129  
 03748 12723 89948 77615 47483 98749 11052 08957 88301 98294  
 60531 87707 01600  
 521 63 00000

**S06c**

15736 kHz, 24-11, 1042 UTC	11115 (R)
15736 kHz, 24-11, 1050 UTC	11115 (R)
13468 kHz, 24-11, 1100 UTC	11115 (R)

**S11a****6252 kHz, 01-11/04-11, 1400 UTC**

427/32 Vnimanaye

67420 67762 69308 79309 26471 25250 61113 80648 02414 67467  
 54754 98019 14019 61601 27822 05079 55024 71910 85716 78777  
 06317 33021 62457 78420 29068 69017 77243 51574 21341 63606  
 29463 81872

Vnimanaye (message repeated) Konets

**11486 kHz, 02-11/05-11, 1850 UTC**

280/32 Vnimanaye

98655 15426 46357 89939 42477 39324 15999 95469 83775 81481  
 14241 52567 36636 50997 18310 28169 19264 72068 93325 79178  
 51445 67406 86917 23616 86015 09603 12588 46975 78972 23624  
 87997 42872

Vnimanaye (message repeated) Konets

**9057 kHz, 07-11, 0510 UTC**

655/31 Vnimanaye

53529 89608 35618 57214 60965 20032 53565 65967 81877 14308  
 55435 12324 33734 49361 34116 90537 84980 96138 91668 43111  
 71322 29220 95651 97669 05404 59230 91397 06353 72622 03813  
 65764

Vnimanaye (message repeated) Konets

**9050 kHz, 07-11/10-11, 0700 UTC**

471/38 Vnimanaye

63615 70956 51094 37176 64664 87465 19978 23523 82802 96642  
 64804 72890 32900 19871 46319 82380 83812 11022 05406 49109  
 86433 28949 38728 08840 45882 64291 78363 40013 87822 58265  
 36931 02483 38562 80938 75079 12603 75537 40266

Vnimanaye (message repeated) Konets

**12530 kHz, 08-11/10-11, 0500 UTC**

380/32 Vnimanije

32059 67415 11334 28162 67659 03997 93716 45666 79266 41827  
94341 06755 77031 98077 46311 64602 33439 90522 89386 50820  
63148 41016 47280 34909 62456 64478 36185 41980 22624 54386  
78736 95771

Vnimanije (message repeated) Konets

**9057 kHz, 09-11, 0510 UTC**

654/31 Vnimanije

53429 89608 35618 57214 60965 20032 53564 65967 81877 14308  
45435 12324 33734 49361 34116 90537 84980 96138 91668 43111  
71322 29220 94651 97669 05404 59230 91397 06353 72622 03813  
65764

Vnimanije (message repeated) Konets

**5371 kHz, 19-11/20-11, 0830 UTC**

377/31 Vnimanije

32256 38524 27116 60885 15883 72842 93111 22823 37111 58755  
86087 16360 20917 48414 82350 24930 37146 22817 81289 81633  
32993 79833 27834 69477 58051 09953 96367 22243 00189 08962  
45430

Vnimanije (message repeated) Konets

**6252 kHz, 21-11/25-11, 0915 UTC**

480/35 Vnimanije

54963 33084 97122 67374 24453 80656 01459 84630 47431 07278  
06707 24328 55228 93184 94536 34832 11271 53451 27634 80052  
70303 50000 62259 58687 04190 86950 19603 86559 71967 98834  
58458 86545 72984 08892 38255

Vnimanije (message repeated) Konets

**11559 kHz, 22-11/24-11, 0445 UTC**

790/36 Vnimanije

83363 75153 14398 14308 89177 29399 64072 10485 48107 84534  
43616 12780 62665 69535 11821 58128 84085 78554 94199 44229  
71325 26255 19264 39044 11802 52245 07063 54008 44883 37827  
82188 18908 57748 94947 89572 19640

Vnimanije (message repeated) Konets

**S25****S25a 10175 kHz, 23-11, 1226 UTC**

11111 11111 00000 00000  
11111 11111 00000 00000  
11111 11111 00000 00000  
11111 11111 00000 00000

**V07****15946/14846/13486 kHz, 06-11, 0100/0120/0140 UTC**

984 984 984 1 418 106 418 106

95232 70060 45063 18051 83957 04800 22624 22182 03978 40117  
03631 87807 06489 86743 58035 00887 09586 33414 15712 67132  
15011 51668 84027 06960 43987 02187 25324 76633 52027 37164  
97164 94376 47720 03614 06284 13797 21198 72460 19846 80794  
91084 36220 50337 92709 83812 36534 64393 47872 15018 52033  
52885 55344 34491 91494 02431 72051 49934 08003 69755 45431  
33998 53053 56002 70194 52211 45533 68927 31496 46309 58457  
48708 16417 91835 89555 17297 28431 60506 44070 12120 89917  
22297 01081 82155 50319 12341 67227 74007 46525 38010 25116  
69414 10337 67906 11287 82123 83199 41671 95308 59583 90037  
96569 22915 16508 96833 02200 06938 000 000



**15946/14846/13486 kHz, 13-11, 0100/0120/0140 UTC**

984 984 984 1 7224 128 7224 128  
80596 38171 69471 18625 88161 40674 18836 32048 48439 54360  
08821 95611 88815 97812 27889 90247 04422 97441 63477 92104  
97787 51030 83673 92132 48483 16721 60234 90299 84563 65101  
63302 00898 61484 12281 19896 97919 92090 10340 33934 23147  
34188 35991 92818 55208 39285 07801 20203 17526 93625 78348  
58311 05988 60604 86460 95870 78157 48837 72473 40903 00828  
22365 60835 10376 75859 56873 88303 54488 90911 23629 88212  
45833 44752 10619 77085 29503 76174 83941 44293 57480 22447  
05596 78765 02913 15217 73662 49322 19732 12356 85719 42089  
02658 00976 86650 44187 51949 64546 45466 47372 99099 65378  
71143 19679 92611 14799 90305 42196 33329 64990 54925 01321  
45120 65352 77810 29925 17843 31907 21490 08253 31796 40182  
50587 30949 41572 77565 41067 69644 58969 18598 000 000

**15946/14846/13486 kHz, 20-11, 0100/0120/0140 UTC**

984 984 984 1 5851 126 5851 126  
19578 61390 27208 14101 96059 45320 92728 72185 03483 26243  
01421 54624 09440 02751 58531 57257 66665 46523 61859 27034  
28519 18621 84179 36936 61459 39669 21633 49732 70141 65935  
19919 96867 25588 26293 88221 92549 20517 83317 26708 93560  
17770 85383 77639 25093 22495 59327 66917 22747 69392 49328  
47453 25629 96765 11867 58678 72241 66005 43473 09401 55445  
15732 03563 80203 11703 78639 25420 96551 97829 92709 66198  
33445 02967 67528 20719 47601 50487 30944 71240 34778 11446  
58554 50037 47289 11430 27997 81203 80378 65496 13728 54542  
05561 27021 73634 42554 18770 21913 42763 87157 58879 93651  
52361 67050 80892 44350 70484 52430 45362 13144 99741 51968  
94930 58274 40669 16041 63573 03386 75406 36202 40699 80905  
06342 11913 01479 87135 56233 61732 000 000

**15946/14846/13486 kHz, 27-11, 0100/0120/0140 UTC**

984 984 984 1 839 104 839 104  
29819 81350 71902 32189 65428 16903 45598 64065 03439 75137  
97646 58379 99043 16795 46094 52906 68968 30600 78073 84972  
77620 28524 10228 27268 21885 96759 41620 71293 00358 95515  
33522 27130 04954 66521 96773 04424 46045 15208 79329 68078  
22118 68958 70041 82293 44711 95140 87488 39867 61351 62074  
02650 54513 18382 56299 05125 02486 53277 89160 18237 63826  
55459 68913 84351 58534 10418 52145 00403 92902 62835 93875  
77202 64077 75600 55019 48952 97936 52296 49349 12302 64863  
61980 73749 03763 25224 74616 87494 23868 73222 97020 23424  
25431 92150 79931 97543 64597 85533 36728 30613 48455 05805  
30560 13904 05969 05788 000 000

**V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)**

**11430 kHz, 07-11, 0300 UTC. New Star Broadcasting Station 1**

7250, 70 digits  
6101 1977 1031 1933 9802 8408 1460 8733 3847 6489  
8268 8097 4302 4236 0687 6989 1518 6209 5614 4581  
3968 4509 9646 2960 1715 8189 9212 7556 8523 5963  
2523 0522 4393 7336 9114 8242 4851 8777 6707 1056  
6845 2180 2292 1893 7741 0410 7892 4538 2697 0187  
5963 8556 1954 1914 3739 4287 6376 1720 8894 8035  
3442 7816 7863 3395 1488 6573 6212 0223 3217 9260

## V28

3049 kHz, 21-11, 1205 UTC, AM      Parrot, male voice, Korean numbers

3000.3 kHz, 21-11, 1207 UTC, AM      Parrot, male voice, Korean numbers

## VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

6569 kHz, 16-11, 1737 UTC, USB

6569 kHz, 17-11, 1713 UTC, USB

6569 kHz, 30-11, 1515 UTC, USB

## MORSE STATIONS

### M01

#### 5320 kHz, 01-11, 1800 UTC

197 603 603 30 30 = =

64738 89346 20198 78349 76354 90236 77238 78346 90235 76345

89346 76234 56347 09276 63548 90294 9 67348734 9825 85 02536536 63547

74658745 43546 20398 73849 53645 10298 53647 4 92539825 673497 025 125

= = 603 603 30 30 00

#### 4490 kHz, 01-11, 2000 UTC

197 412 412 30 30 = =

64738 23451 90346 78349 02738 74658 02938 90127 73645 9826982

87364 09273 78346 89346 87465 78234 09476 12390 76354 (763) 8938 823

74635 71828 63547 89236 67348 90364 67253 89468 78236 783543

= = 412 412 30 30 000

#### 5320 kHz, 03-11, 1800 UTC

197 789 789 30 30 = =

46546 13243 35435 87681 46539 01982 38746 10099 47654 46577

76876 13243 10988 35422 19877 68790 13213 34345 09889 35426

14354 76765 89800 36545 89800 20978 46537 09187 36544 26545

= = 789 789 30 30 000

#### 4490 kHz, 03-11, 1900 UTC

197 791 791 30 30 = =

46546 27656 14132 97989 45565 18789 29890 24233 45654 66576

56545 23122 56765 89789 57648 10989 46554 56799 78990 16545

56765 39890 14323 67688 59889 35435 67656 18789 30099 44321

= = 791 791 30 30 000

#### 5810 kHz, 05-11, 1500 UTC

197 595 595 30 30

46716 45719 10276 10271 68712 98041 56741 78456 63541 78962

47181 93010 04515 67091 25471 94612 05972 37891 05819 74910

89102 48190 65891 56478 36498 45631 89418 49418 09315 65912

595 595 30 30 0000

#### 5465 kHz, 06-11, 0700 UTC. Sent only 29 groups

197 109 109 30 30 = =

91352 74912 74019 48172 31905 38491 48591 97813 58190 90412

45781 39186 48910 46571 09315 47892 58910 03517 38412 67891

45672 69783 54671 81490 81542 79132 57610 42165 85671

= = 109 109 30 30 000

**4490 kHz, 08-11, 2000 UTC**

197 379 379 30 30 = =  
 75675 84758 93849 14324 54536 65765 75684 65781 64513 12347  
 23461 64351 65132 98732 87659 75680 98989 14327 65471 65470  
 54132 65743 65768 76768 65718 97804 76581 65478 90078 00132  
 = = 379 379 30 30 000

**5320 kHz, 10-11, 1800 UTC. Different repeat in red**

197 117 117 30 30  
 56783 45635 98567 34672 59634 67890 23456 22814 88133 77809  
 67536 39764 44000 23465 78945 24365 67999 34562 63746 54327  
 56478 34512 78956 **88956** 87635 99567 76890 56432 87956 33722 74880  
 117 117 30 30 000

**4490 kHz, 10-11, 1900 UTC**

197 651 651 30 30  
 64753 13523 90768 65748 36453 93765 37957 56739 06374 37646  
 45670 15269 78456 56478 67399 65750 45678 46573 68905 67996  
 67895 67363 69576 76456 77933 76933 76953 45678 97639 64757 93675 73739  
 651 651 30 30 000

Group 26 was sent once. Too many groups, possibly messed up groups 25, 26 and 27.

**5465 kHz, 13-11, 0700 UTC**

197 541 541 30 30 = =  
 54678 34658 12986 54763 90036 60008 15472 24680 35612 97531  
 36912 24816 33005 55353 57117 37456 13372 22314 33282 13579  
 53765 45002 07423 64735 36453 93456 15365 76980 56341 89991  
 = = 541 451 30 30 0 / 0 / 0 EEEEE

**5320 kHz, 17-11, 1800 UTC**

197 410 410 30 30 = =  
 87463 93750 14275 97207 61197 53572 85923 84912 76037 35275  
 96746 60213 43576 75810 74261 97365 08414 74912 43610 74611  
 48295 76198 02031 88535 82133 17593 88765 68765 37621 69814  
 = = 410 410 30 30 000

**4490 kHz, 17-11, 2000 UTC. Wrong id. Should be 197**

195 515 515 30 30 = =  
 63001 32981 54480 01023 97753 98654 01010 23415 87923 74650  
 33362 84701 42791 46802 32400 23078 63921 09876 34567 62091  
 39020 31085 67238 57491 32984 53891 23487 34921 42761 00123  
 = = 515 515 30 30

**5465 kHz, 20-11, 0703 UTC. Late start**

197 690 690 30 30 = =  
 88756 24312 30988 46765 78769 10982 38746 19188 67567 30099  
 45343 20989 57656 18767 59879 34345 07987 45433 56478 09890  
 56612 30909 57645 67879 24323 79132 98023 56477 43234 08921  
 = = 690 690 30 30 000

**5320 kHz, 22-11, 1800 UTC. Odd ending. Mistakes**

197 142 142 30 30 = =  
 57678 09890 12534 57647 78789 10198 57647 47567 79890 79890  
 14323 45435 57689 78789 36540 57678 59878 10989 57678 100980820299  
 029 56767 715455 (537656) 37656 28789 40989 58767 68877 59890 81090 9  
 = = 142 142 30 30 0..... 0..... 0.....

**4490 kHz, 22-11, 2000 UTC. A mess. Transcript as sent**

197 344 344 30 30 = =  
57677 57677 48789 48689 10989 1098947678 47678 33423 33423  
19878 19878 454 5 35455 10944 10944 58767 58767 15423 15423  
47656 47656 39878 39878 26534 26534 14233 14233 47656 4765660989  
60 47654 47654 109080983765676142311421 57656 57625390 25390  
58789 58715434 15 47678 779788 79788 36546 1234 44 576557510988 098  
= = 344 344 30 0..... 0..... 0.....

**5320 kHz, 24-11, 1800 UTC**

197 430 430 30 30 = =  
71302 69512 78305 80905 03891 72495 63407 70092 80105 38961  
13479 80633 70681 03905 61471 10891 47845 30261 14551 19337  
78115 60851 36905 73490 55102 75600 19150 69073 16320 01713  
= = 430 430 30 30 000

**4490 kHz, 24-11, 2000 UTC**

197 409 409 30 30 = =  
78305 19176 85402 30571 93162 70805 91260 07831 10700 35812  
05603 96507 84318 74506 88302 69713 20503 11607 95603 70916  
13803 01795 64371 18170 80076 95712 30109 68054 40709 95603  
409 409 30 30 = = 000

**9566 kHz, 26-11/27-11, 0715 UTC**

VVVVVV 475 331 331 50 50 = =  
03018 98741 64945 88541 94210 47144 75104 55252 59420 51836  
37139 26611 93927 96914 80000 90622 68441 12087 60848 40229  
58318 01464 71463 88635 52621 12027 28272 62576 92182 12823  
23130 07398 56570 23504 21530 17057 24847 26735 61783 96052  
29878 61891 49723 52287 08031 76687 80617 12302 23532 53217  
= = 331 331 50 50 000

**5810 kHz, 26-11, 1507 UTC. Late start**

197 512 512 30 30 = =  
34256 87965 13250 57683 24649 10947 32658 43520 10342 27032  
01042 26082 21072 28091 21022 23111 27110 09041 34278 19342  
95647 18465 25638 19678 24365 75649 67598 31746 94581 34268  
= = 512 512 30 30 000

**5465 kHz, 27-11, 0659 UTC**

197 456 456 30 30 = =  
56745 18563 29586 03425 47596 12867 78501 24563 19564 34256  
19567 34256 49786 23176 07895 24768 43529 67390 23187 90978  
67854 23471 **21350 23150** 65743 01648 28674 49026 16453 29095  
= = 456 456 30 30 0..... 0..... 0.....

Group 24 is likely a different repeat of group 23. Both groups were sent once. If so, it sent only 29 groups.

**5320 kHz, 29-11, 1800 UTC**

197 754 754 30 30 = =  
91736 47219 57491 01837 01857 01256 01947 57483 01836 01847  
81764 01846 91846 91846 94873 01847 06978 01847 01836 01757  
97854 12138 18375 10928 91837 91874 18376 91837 91837 91837  
= = 754 754 30 30 000

**4490 kHz, 29-11, 2000 UTC**

197 128 128 30 30 = =  
91875 28746 01985 01847 01847 01837 21890 19378 01983 71648  
91847 01947 19847 01846 01884 01745 28176 18361 01857 98175  
18376 01985 45391 09175 09175 01551 12187 09175 19857 18376  
= = 128 128 30 30 000

6874/8074/9374 kHz, 0030/0050/0110 UTC

**6874/8074/9374 kHz, 01-11/04-11, 0030/0050/0110 UTC**

803 803 803 1 7746 78 7746 78  
 69529 47562 04645 46905 03873 71604 92560 04793 00976 16270  
 34284 06724 59699 08750 72189 50113 67604 14482 81041 66698  
 70286 41857 58393 22906 01208 15387 39064 12049 85874 75634  
 68660 82156 71401 52753 89885 37670 70801 04851 89897 85474  
 97298 51438 66288 45893 87762 15126 10602 52915 72316 22444  
 21590 22377 14917 57023 23088 96612 96108 08183 39630 44613  
 62997 20270 12636 19763 44133 56929 16158 55198 19590 99918  
 50041 25014 77144 82065 82478 79664 24989 61961 000 000

**6874/8074/9374 kHz, 18-11/25-11, 0030/0050/0110 UTC**

803 803 803 1 8559 101 8559 101  
 04539 02264 23411 59816 41853 64630 83189 45379 98584 62786  
 56747 96746 58425 77584 67123 52747 41245 89477 70218 79645  
 51575 40740 36996 43801 48014 17820 05997 46709 09946 48834  
 96707 56813 51811 96211 37316 05231 69557 48975 88913 61138  
 49673 99388 54521 69712 38297 41153 40683 70660 55352 49343  
 72869 82650 62347 62007 73672 92365 61422 38209 47926 50583  
 93410 90602 75654 77886 34610 71956 19525 28747 68199 08755  
 88109 33187 59523 68680 34092 24563 59767 05216 58820 01790  
 17076 02830 51635 73471 86361 68728 80633 06617 08162 98916  
 00066 18499 98552 56892 89177 34697 38037 88184 87295 80042  
 46314 000 000

**6874/8074/9374 kHz, 22-11, 0030/0050/0110 UTC**

803 803 803 1 8559 101 8559 101  
 03539 02264 23411 59816 41853 64630 83189 45379 98583 62786  
 56693 96746 58425 77584 67123 52747 41245 89477 70218 79645  
 51575 40740 36996 43801 48014 17820 05997 46709 09946 48834  
 96707 56813 51811 96201 37315 05231 69557 48975 88913 61138  
 49673 99388 54521 69712 38297 41153 40683 70660 55352 49343  
 72869 82650 62347 62007 73672 92365 61422 38209 47926 50583  
 93410 90602 75654 77886 34610 71956 19525 28747 68199 08755  
 88109 33187 59523 68680 34092 24563 59767 05216 58820 01790  
 17076 02830 51635 73471 86361 68728 80633 06717 08162 98916  
 00066 18499 98552 56892 89177 34697 38037 88184 87295 80042  
 46314 000 000

16184/13484 kHz, 0300/0340 UTC

**16184 kHz, 01-11, 0300 UTC****13484 kHz, 01-11, 0340 UTC. Incomplete message****13484 kHz, 01-11, 0349 UTC. Restart. Resent the last 15 groups**

174 174 174 1 6096 112 6096 112  
 32992 73762 01466 17600 69937 06759 35236 05919 44620 93014  
 95464 48724 41922 82543 39063 85167 70246 97597 12519 29947  
 26549 17532 30105 66691 15928 52496 24519 48678 14593 87202  
 44481 95550 69281 12567 16660 70449 16166 14633 83885 82697  
 94462 61606 04102 35003 51940 40326 05663 05770 16323 49124  
 67393 48777 97368 11934 12973 21789 26150 07854 27592 61404  
 57588 61929 06711 00055 94338 16243 31325 60530 07909 21842  
 07107 28471 33510 50488 89340 04735 24299 42072 33152 14070  
 64903 86534 60550 19972 80011 24362 55797 11268 13716 40109  
 94388 54946 56114 80029 80651 45772 82676 39509 53972 51191  
 39467 75522 34793 49956 05963 66766 32807 56916 26016 75819  
 23338 06069 000 000

6917/5817/5117 kHz, 2000/2020/2040 UTC

**6917/5817/5117 kHz, 02-11/04-11/09-11/11-11, 2000/2020/2040 UTC**

981 981 981 1 300 88 300 88  
15770 25617 30261 14019 48706 08461 90875 76990 00465 69741  
58234 38586 49337 83281 43971 60901 31468 93559 45757 45740  
24287 45802 80940 10590 24149 69478 71151 47296 55942 18665  
33480 17110 60982 85158 57106 93737 65450 82724 80857 00902  
02282 87562 86246 00327 19510 08716 56809 29826 89986 70861  
78022 80762 11014 16568 59175 91199 66607 90940 03359 51842  
08805 27535 12635 75872 24421 94987 78509 80095 67637 04169  
93260 89094 62739 33038 24687 20765 86253 56150 13198 45256  
06112 28093 31181 30814 11194 74561 96352 38518 000 000

**6917/5817/5117 kHz, 16-11/18-11/23-11, 2000/2020/2040 UTC**

981 981 981 1 8006 105 8006 105  
41818 08825 20392 33108 97030 12038 14874 73328 66946 00185  
08940 20794 05138 91518 20829 88531 20707 71566 86902 99302  
27640 92405 54663 15903 78759 34946 53944 22720 00746 92200  
29820 18536 83144 76256 09573 46072 40434 40465 41344 85392  
87071 01732 93162 11703 42972 77160 50564 43008 44461 00424  
28820 61902 88988 98501 69841 78737 96868 23450 27215 88631  
01633 36509 08008 66387 14228 21863 71727 12050 32578 91609  
12510 91914 85254 65168 84069 24184 44461 98884 91373 87064  
15705 60766 46355 36415 85665 99104 52964 33883 68536 17851  
15157 81408 27307 78436 80414 56408 91653 26402 60016 52036  
88322 21778 42932 79433 18929 000 000

13386/12189/11491 kHz, 1110/1130/1150 UTC

**13386/12189/11491 kHz, 03-11, 1110/1130/1150 UTC**

725 725 725 1 8374 96 8374 96  
70798 79168 21398 80868 75523 68170 47501 33135 91305 43452  
95989 15551 88353 45284 48408 52469 33651 87719 88616 18860  
80607 10893 90858 51835 78186 61337 63751 36580 89770 79131  
90413 99740 97427 53335 86937 71388 60927 68512 48170 04404  
46782 30146 85953 97150 77110 05226 26243 02104 66154 89531  
22907 64672 78983 13513 66113 06672 00803 07267 56376 87222  
53395 51766 08951 79943 30848 02345 33347 66857 89506 66869  
87899 45814 37303 64484 00464 35881 33747 55452 18704 16469  
12019 73245 97091 99837 10953 13412 70180 13559 12992 48785  
17098 12587 49028 86190 64345 80028 000 000

**13386/12189/11491 kHz, 10-11, 1110/1130/1150 UTC**

725 725 725 1 4598 94 4598 94  
93577 00114 74785 70880 87129 35836 57060 11177 87715 31692  
44315 22373 51859 04184 69112 19066 29902 03917 98331 68225  
89745 43283 32611 51838 65014 86895 27817 21447 71074 72216  
40938 29607 84331 54438 47351 45366 63630 18434 34479 28768  
37821 77313 75931 47029 79185 02568 68783 84412 44397 74064  
58460 46071 51737 98102 93895 35117 51913 73088 24607 26027  
93035 10416 84895 32699 58319 46822 75838 20552 78810 76743  
99031 00930 42289 26403 26072 69112 89383 75517 21257 46027  
11601 38315 18811 58351 71321 14597 09831 72279 81466 32132  
62419 98499 93434 29594 000 000



**13386/12189/11491 kHz, 17-11, 1110/1130/1150 UTC**

725 725 725 1 9370 97 9370 97  
37649 14929 60461 89423 56272 31301 66619 43643 48867 39857  
16672 65926 91802 93376 53998 68598 33730 99992 94484 30737  
06182 86785 89932 63502 03446 19145 61117 71911 32034 04058  
94607 71611 94238 77864 04399 72006 68565 14040 54702 89756  
25413 50719 41644 08587 26458 96370 75434 14429 07946 48261  
94983 51824 97002 96203 54386 57084 03750 35608 95280 27826  
76135 50018 81973 59498 39223 01582 78817 42495 35410 75444  
32933 73995 35181 93708 34445 84115 47138 49489 12541 73500  
47451 98484 22741 64706 08907 09027 48110 62529 64547 84135  
35530 58470 97210 31635 38509 53528 58774 000 000

**13386/12189/11491 kHz, 24-11, 1110/1130/1150 UTC**

725 725 725 1 7460 97 7460 97  
95003 85275 85072 06807 92502 27772 57178 63386 00279 69957  
74317 69081 17440 13396 62946 99805 27205 13091 63575 35868  
36990 44958 61928 35489 72389 27282 31122 67290 64514 53382  
81960 03197 71125 59792 52483 37134 94354 11422 25212 52369  
56366 67136 32858 37573 35469 99258 03538 20798 40159 07739  
77525 01666 64555 96466 39699 34979 22960 38288 03121 95590  
32065 71621 62963 44842 03686 98379 88975 91303 21062 74486  
56079 96106 97923 73103 21710 930E8 53404 18176 39244 42725  
32443 49879 55611 53882 82340 28276 76705 29969 19480 73038  
03806 18940 66102 98568 64190 87543 97995 000 000

16292/14892/14392 kHz, 1400/1420/1440 UTC
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**16292/14892/14392 kHz, 03-11, 1400/1420/1440 UTC**

283 283 283 1 5755 96 5755 96  
64136 63207 91133 59286 67257 48777 07056 30695 75769 53349  
00624 50764 62343 37372 31726 92218 30701 59184 13377 82421  
24621 53509 22989 59589 77524 08720 41487 99670 13890 74138  
76325 41860 11840 16402 54119 28833 22323 30000 48868 25445  
21217 79382 01248 74160 53816 87242 16160 48330 72398 34350  
90135 34915 20845 48664 84212 41818 43546 65000 09227 75596  
98726 62709 48769 72035 82135 55369 77150 43896 05840 74838  
81025 01747 83862 45164 04250 45393 00883 94914 37694 05690  
15615 23640 19535 03094 83857 20365 01237 86293 09788 94270  
35098 52589 70424 84106 89234 73109 000 000

**16292/14892/14392 kHz, 14-11/17-11, 1400/1420/1440 UTC**

283 283 283 1 274 59 274 59  
26246 13054 52792 22151 38460 80995 50598 56566 12315 25197  
29154 28215 49952 47571 23110 08803 91387 97785 06677 80456  
59825 77321 54971 36259 23870 34047 08017 51524 58735 83492  
16904 60608 13344 63655 42762 29163 25037 04351 34404 11699  
81033 65605 55684 68049 58849 47107 63750 58997 64979 56854  
52611 57038 99622 50047 36077 12530 48692 30261 23016 000 000

**16292/14892/14392 kHz, 21-11/24-11, 1400/1420/1440 UTC**

283 283 283 1 7102 180 7102 180  
65277 76127 59029 67391 25592 30979 63874 44945 99331 02473  
45723 94888 51781 77323 98582 14006 18642 29226 58555 45120  
51822 06863 94116 49561 70483 60938 96092 63370 02734 77617  
40642 52219 94262 03206 35593 72123 46153 29753 08794 21636  
59516 59527 05271 68292 80236 40798 20271 05649 61580 31166  
10889 44537 28844 75628 99665 09227 90713 43990 34771 34644  
58555 44858 68757 72059 29180 51425 64073 94799 01542 54899  
99224 84645 23435 04131 87685 00013 43862 11635 55807 54225  
03306 91358 62928 53486 35633 45348 63178 75734 25107 13375  
35449 20577 50760 94176 50884 54063 40460 20457 85542 73769  
09089 45424 50335 69116 81230 88902 15671 79712 36867 08407

58646 14513 28554 45906 94541 09227 45599 86965 10056 35583  
50708 52635 26746 73418 47850 37321 91037 12113 03957 16554  
43347 16639 11472 56631 10940 68100 82003 02057 23129 58538  
38417 88360 09153 53709 92054 71664 60448 18382 84947 17094  
12875 97584 85851 75941 38892 28755 15476 31113 99759 67717  
39860 95427 88101 39370 11142 73400 15009 35287 73823 50970  
19160 14531 15560 44247 16485 85618 58204 99333 33468 15338  
000 000

6859/7459/7959 kHz, 2200/2220/2240 UTC

**6859/7459/7959 kHz, 04-11/05-11, 2200/2220/2240 UTC**

849 849 849 1 4517 184 4517 184  
89846 05043 52637 61693 40034 15406 31203 09054 06477 96086  
92063 17772 39121 87650 35430 20916 95488 86674 24211 16603  
11749 36921 37272 29057 40181 78762 70279 38358 44792 99843  
63055 78061 15798 41198 92671 31396 68867 63660 97078 98796  
59014 53065 81480 20602 33899 69916 19186 26026 85489 58651  
43693 71468 64455 70096 29821 35994 21990 28771 17819 76144  
16522 95002 35141 93120 24904 77529 79734 89306 20328 08741  
98147 12612 45909 14545 20184 16096 23515 57642 28902 17740  
85651 32306 23161 04733 54251 18245 44863 78598 48896 06763  
43815 11340 17963 18035 86470 16583 74037 97781 42730 86189  
55006 35939 60215 09065 28127 35986 27100 89106 09917 53486  
88098 13973 80028 11536 81370 60728 50463 69295 53720 24397  
14856 50544 83326 61952 85671 79019 34205 78714 87512 92356  
01621 07405 12336 03757 44345 47480 50770 94742 88818 00684  
41285 87905 86614 70507 78799 38085 41181 85709 69041 53410  
45524 68096 45235 25095 48363 93321 26356 63365 10509 75089  
03045 36861 41832 88613 11685 61737 47776 11877 71863 12764  
81927 45470 28159 12019 33322 20933 85017 92664 96393 18966  
82925 62653 67146 83629 000 000

**6859/7459/7959 kHz, 11-11/12-11/18-11/19-11, 2200/2220/2240 UTC**

849 849 849 1 9029 150 9029 150  
14753 01375 06274 91471 42694 92701 50488 86951 31690 76040  
69602 35907 70092 52322 26654 62228 50481 87002 30982 39506  
15143 06019 22986 09416 96795 40341 40065 66953 69246 90702  
25926 65971 06778 75012 50595 52601 69230 00112 95798 67253  
87419 46061 40621 01252 96811 29515 21225 33716 25706 75968  
36243 69800 52728 82003 14700 58541 55235 51035 68750 95166  
07374 41973 82602 41581 41458 85346 21952 68158 11458 93309  
87062 40034 22929 49948 13777 19017 13190 94930 40573 75790  
19060 61777 11066 59783 62218 46973 70945 20138 51670 32879  
32320 24485 60715 59073 63056 43844 47703 53612 00307 20020  
95913 04141 95803 04262 03248 09813 83157 99362 75792 84735  
31575 79972 29971 74373 20051 05524 49723 25412 29969 82068  
32701 19177 82276 35727 28150 26149 96086 06686 70959 37482  
17700 93056 97663 88491 97105 93640 95528 78828 24254 50589  
26326 72142 62543 01035 66973 13459 74485 21883 68144 22277  
000 000

**6859/7459/7959 kHz, 25-11/26-11, 2200/2220/2240 UTC**

849 849 849 1 251 92 251 92  
74126 09232 41482 44694 35424 91003 85818 55454 30549 79895  
09350 01512 49037 03489 70551 27027 72773 49645 04905 25572  
24303 52185 22420 07758 49801 88387 86153 96835 31747 21139  
91518 19263 90816 54180 86577 34210 90118 46798 49072 62594  
99408 58169 62464 42431 22192 71137 56288 19040 93123 83077  
25991 21068 15991 51882 47163 55967 64390 36229 55360 77237  
66888 87208 07349 92240 04269 01857 71710 56557 63890 89388  
77932 97385 40776 39258 34978 38540 25199 02970 94322 63488  
27782 60211 60669 87822 85175 26516 92090 74184 18340 08569  
04799 17885 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

**11435/10598/9327 kHz, 05-11, 1800/1820/1840 UTC**

938 938 938 1 5644 76 5644 76  
51913 42972 43900 26350 43532 37885 57711 47161 35144 41737  
75012 26699 64016 65885 45636 82097 20418 07589 71174 94977  
82872 28654 95716 60936 80097 33987 33219 91785 10939 14008  
85519 72999 89881 63627 53074 80696 93808 77121 62797 22123  
87833 54761 76930 50893 82400 25102 58357 15572 29403 02381  
13294 63720 93735 83369 05160 97360 91390 26300 77263 92155  
69780 62595 90020 70723 20251 22430 76713 04484 90351 77965  
94823 66178 38298 32880 36983 16744 000 000

**11435/10598/9327 kHz, 12-11, 1800/1820/1840 UTC**

938 938 938 1 6921 72 6921 72  
74183 43624 64571 00359 13102 58660 55664 14682 94999 99862  
99551 42067 66920 07939 53539 74213 69041 50159 93015 34708  
10576 54163 00931 66513 06330 23476 26121 54275 18419 84799  
69567 56174 10401 38616 13752 22231 86479 31446 82534 03306  
07537 21945 24756 55607 13157 87411 88171 01097 21093 44978  
56224 65069 46837 42045 44735 03213 37726 16835 40402 53629  
14514 09874 22825 69575 74791 30619 67022 92575 17182 12155  
68861 66501 000 000

**11435/10598/9327 kHz, 19-11, 1800/1820/1840 UTC**

938 938 938 1 7376 77 7376 77  
90726 06788 72482 95636 88537 65829 74016 81463 48230 43551  
56898 95450 58481 21223 81091 95222 29313 06026 27868 64417  
20313 46889 33127 54241 61050 02314 41040 26189 47122 95582  
12901 10702 12735 22624 93456 89721 57583 22039 28067 10870  
68332 88333 12497 47803 92332 12774 81025 63164 38797 93183  
41730 34911 60684 01230 06259 15362 70949 63611 14048 32856  
81872 88149 80383 50188 75019 65875 86894 52121 71223 01202  
21969 31686 20480 12338 39870 52888 53753 000 000

**11435/10598/9327 kHz, 26-11, 1800/1820/1840 UTC**

938 938 938 1 2373 79 2373 79  
75553 54464 27555 53472 55438 42413 87531 99549 23544 31667  
38963 11168 39335 42145 67080 29985 35839 98898 77956 20290  
10101 68061 21215 71946 54167 88427 17084 23713 18175 64708  
11725 68523 74890 51472 44715 72401 31435 09737 48485 70270  
40974 73677 44409 59430 53108 59958 70607 32698 63952 03380  
75864 09898 73090 47336 22453 23587 25040 12966 34700 32058  
39027 41231 73016 23589 27772 85350 03004 25876 09649 03648  
06165 52398 97731 33963 74828 21272 48970 31449 01887 000 000

12205/13559/14728 kHz, 1230/1250/1310 UTC

**12205/13559/14728 kHz, 07-11, 1230/1250/1310 UTC**

973 973 973 1 9197 55 9197 55  
17113 55555 87423 45873 36889 32623 04361 67523 20797 20767  
66927 59329 29314 34717 69641 38817 35947 45095 64320 37643  
72590 60413 60146 79840 84850 25338 52479 19030 40858 62962  
39145 34088 16038 46344 89445 75264 95704 61926 78158 89574  
98414 34687 81338 58991 37187 97867 70525 11560 25057 65872  
99660 17535 65000 85087 42389 000 000

**12205/13559/14728 kHz, 14-11, 1230/1250/1310 UTC**

973 973 973 1 7609 62 7609 62  
26083 60191 24336 15580 51280 45636 34938 65236 74449 89141  
71912 13289 13827 84050 52122 06891 53228 15716 23445 46261  
39535 50791 55363 70635 36987 27778 44188 58963 17891 70708  
30808 69753 72007 13487 91093 58960 29784 35002 60325 97810

35929 20872 89051 75153 53461 88744 79766 70491 36373 60718  
46284 00300 42425 81493 70130 90725 80550 07915 66487 01015  
45770 34875 000 000

**12205/13559/14728 kHz, 21-11, 1230/1250/1310 UTC**

973 973 973 1 7622 62 7622 62  
99050 39386 24870 71564 24553 02457 45712 49568 48738 55788  
05715 43520 04702 77656 85979 37277 45576 97667 04367 90611  
88220 55911 70745 58042 01075 32300 21169 52361 37440 96802  
10180 78467 32918 69159 24329 26576 63238 29251 78798 07363  
05200 66998 12600 90225 66642 36348 42935 11271 60370 41798  
05107 39876 92413 92349 87409 63947 29457 80962 13412 36230  
28390 21111 000 000

**12205/13559/14728 kHz, 28-11, 1230/1250/1310 UTC**

973 973 973 1 1076 58 1076 58  
10145 42028 39108 58294 46277 54198 85243 39658 65425 91316  
54403 58360 91039 76674 62608 91917 31933 40217 55959 54138  
34669 37414 38287 81605 63599 12113 40633 85349 66164 62080  
38082 08667 05289 31848 28208 91953 82309 69813 98669 04270  
44597 55092 89138 81193 33718 41618 49148 46433 09984 06370  
82246 16413 49817 98754 27852 44978 78819 26777 000 000

17432/18532/19132 kHz, 0800/0820/0840 UTC
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**17432/18532/19132 kHz, 09-11/13-11, 0800/0820/0840 UTC**

451 451 451 1 250 150 250 150  
04822 69944 37375 62617 84173 40306 58616 79676 77229 62534  
19221 84917 24141 10398 63372 62857 89345 99566 34066 40238  
76261 08421 15509 38736 82478 60527 30336 10856 67823 84035  
83131 05916 69795 79902 10071 60380 81958 79125 95167 59858  
19019 39600 03736 12814 68864 57503 89569 09846 76802 24162  
99169 90520 39672 03857 54700 56347 23711 98040 86073 24533  
91168 06505 13003 51138 62488 83227 55749 07863 39062 95910  
79094 12145 96549 01548 76276 75180 83090 76622 20229 01326  
15821 73060 08668 22055 47568 00502 53143 63309 93846 38551  
17374 21293 10038 16433 99282 86488 26756 99430 11340 36923  
81052 89346 19413 29147 70921 80353 80228 95627 83927 38362  
20520 17470 82491 93672 54425 13986 64732 78685 43852 84711  
41380 87634 37596 81116 46280 9486E 66325 94679 74868 07958  
94636 70923 82460 83898 54587 61049 07056 16443 46122 70210  
27578 41500 73147 23264 28822 97772 70573 55571 29855 31023  
000 000

**17432/18532/19132 kHz, 16-11/20-11/23-11/27-11, 0800/0820/0840 UTC**

451 451 451 1 101 77 101 77  
50133 70839 99049 43738 08040 44628 24010 44107 29694 99399  
73470 23926 16291 09865 08476 27401 84809 81711 21690 30533  
18912 87219 65615 01200 61299 39838 32683 50561 27204 35333  
98163 60517 59812 14896 22146 42964 60186 14658 32238 66106  
57561 93793 70429 05709 17677 70949 98840 22692 96525 52665  
40810 12976 04389 61222 73092 16192 29439 60218 79536 52516  
56448 01245 73737 47381 18507 69551 01030 63086 12872 16423  
27302 94981 45488 82209 06058 09286 65086 000 000

6937/5737/4537 kHz, 2210/2230/2250 UTC

**6937/5737/4537 kHz, 14-11/17-11, 2210/2230/2250 UTC**

975 975 975 1 162 69 162 69  
52840 78742 75081 83980 32058 69010 06704 87789 27431 86847  
24639 58973 04224 10141 90615 78743 90269 55862 13495 67150  
55512 67739 56021 07847 57181 01447 41758 11646 41906 64269  
32646 98090 31056 35013 48783 90653 10410 73017 56433 06454  
00402 56208 33224 36943 52380 65710 60229 66768 70322 09916  
31552 38716 54167 96146 01587 43371 81368 93655 55099 81471  
81934 46195 74962 21402 07003 17844 63064 92440 50596 000 000

**6937/5737/4537 kHz, 21-11/24-11, 2210/2230/2250 UTC**

975 975 975 1 365 118 365 118  
27153 84096 62678 49172 93046 98469 37490 91549 28353 56625  
31167 29410 14932 54237 51417 26556 46000 33936 46535 11091  
12219 74116 09136 38299 07126 22044 17695 73233 15171 93670  
98303 98363 56061 51127 88254 68968 98812 89884 43879 93503  
31338 63887 75446 89603 97718 14349 93180 34064 22939 31574  
09348 09541 67549 67973 65278 99357 87175 17003 00467 50904  
12209 61484 18609 07411 74030 11846 01706 67147 96895 60251  
20985 57170 46894 57211 36335 75682 16945 06729 93673 45280  
07567 82440 09241 82969 55989 02316 79411 74593 50285 71481  
67042 31209 81835 02046 59658 08992 15661 02185 13044 19089  
65932 02184 82184 60693 56255 16594 70116 18140 42330 39722  
38181 28539 54343 58984 17074 87089 10797 57762 000 000

10446/9046/7946 kHz, 2300/2320/2340 UTC

**10446/9046/7946 kHz, 14-11/17-11/24-11, 2300/2320/2340 UTC**

392 392 392 1 8866 99 8866 99  
36779 50950 22609 12806 64046 32368 67164 41850 89044 64167  
86652 22392 10601 43559 29337 19144 50903 87936 78312 09537  
07590 62951 50317 83230 05993 85059 07712 14737 58214 64363  
15152 55347 58052 42179 67477 85711 19137 95439 71608 46132  
69810 47872 27567 62046 92228 75517 09658 26029 91065 15799  
92010 98095 16737 28371 84916 60588 79353 21826 69316 58394  
83346 95570 75792 60933 46122 25120 25482 62781 05592 27409  
26507 06576 72645 64475 78278 48890 74656 37697 57158 39132  
72444 30422 24768 09176 26259 38489 77935 84675 57306 59984  
11772 82667 13178 16879 82723 37544 28610 53644 23431 000 000

**Test transmissions**

9142 kHz, 15-11, 1538 UTC	123 1 cut off after 1m18s
9142 kHz, 15-11, 1538 UTC	123 123 12 cut off
9142 kHz, 15-11, 1538 UTC	123 1 6918 10 93537 ... 000 000 (distorted signal)
9143 kHz, 15-11, 1624 UTC	123 123 123 1 123 123 123 1 cut off
9143 kHz, 15-11, 1625 UTC	123 123 cut off
9143 kHz, 15-11, 1626 UTC	123 123 123 1 123 123 123 cut off
11431 kHz, 16-11, 1120 UTC	123 123 123 1 1 cut off

**11431 kHz, 16-11, 1121 UTC**

123 123 123 1 6287 20 6287 20  
91475 44440 60891 39923 80691 94507 44407 31960 42459 51222  
71851 60273 76006 33377 01337 59773 79446 46612 84865 78904  
000 000

10257 kHz, 22-11, 1147 UTC	123 123 123 1 (3x) 123 123 12 cut off, audio stutter at the end
10256 kHz, 22-11, 1155 UTC	123 123 123 1 123 123 cut off

**12211 kHz, 01-11, 0500 UTC. Not monitored**

**10243 kHz, 01-11, 0520 UTC**

952 178 178 53 53 = =  
51732 69685 58812 61440 85437 14249 00021 50351 98925 99314  
78191 29164 51448 47467 12975 04701 94953 82690 20441 13149  
64564 26469 12392 10370 98833 42832 40300 85339 75724 62006  
32314 38930 75253 37360 96765 95203 04723 15352 90624 37421  
47500 23141 76327 85938 21261 03571 15422 60189 56642 52193  
72466 91935 32253  
= = 178 178 53 53 00000

**12211/10243 kHz, 02-11, 0503/0524 UTC. Late starts**

952 640 640 51 51 = =  
06762 86175 38711 01791 59553 86978 76061 00831 44213 97707  
67543 50836 74319 34085 05901 61213 00299 40209 46470 57829  
72456 47462 20448 43135 10352 65150 06864 49753 39470 07576  
86673 04700 81098 87216 27419 46446 06382 28710 71897 61998  
90460 83326 29267 36183 27656 48616 92031 30325 93615 22916  
27346  
= = 640 640 51 51 00000

**12211 kHz, 03-11, 0500 UTC**

**10243 kHz, 03-11, 0520 UTC. 952 (R) off after the callup**

952 783 783 52 52 = =  
06762 86175 38711 01791 59553 86978 76061 00831 44213 97707  
67543 50836 74319 34085 05901 61213 00299 40209 46470 57829  
72456 47462 20448 43135 10352 65150 06864 49753 39470 07576  
86673 04700 81098 87216 27419 46446 06382 28710 71897 61998  
90460 83326 29267 36183 27656 48616 92031 30325 93615 22916  
27346 63863  
= = 783 783 52 52 00000

**04-11: no transmission. Russian holiday**

**12211/10243 kHz, 07-11, 0500/0520 UTC**

952 614 614 52 52 = =  
22358 86929 72202 22061 71099 51269 33088 05589 84984 30739  
24898 55159 91512 62128 02439 80104 73843 18730 94843 12475  
04115 95681 25054 78174 42877 25884 83321 32256 59323 99911  
20546 94321 50014 88373 53802 44944 74773 90144 01278 69074  
97446 54923 88781 57352 56216 53535 95025 01267 73147 94431  
27865 43099  
= = 614 614 52 52 00000

**12211 kHz, 08-11, 0500 UTC. No transmission**

**10243 kHz, 08-11, 0520 UTC**

952 307 307 51 51 = =  
84458 58150 63420 11455 73170 79988 83060 57112 14796 35180  
96190 17889 40707 06826 24534 08542 30335 95281 60875 22938  
77793 70015 22047 67786 04296 50452 46955 21470 96067 14275  
31795 78911 72429 56592 19675 68415 13743 48435 86811 51416  
03914 67996 92501 41075 67126 03066 85050 00666 03507 48097  
80839  
= = 307 307 51 51 00000



**12211 kHz, 09-11, 0500 UTC****10243 kHz, 09-11, 0520 UTC. 952 (R4) then off**

952 681 681 52 52 = =  
84458 58150 63420 11455 73170 79988 83060 57112 14796 35180  
96190 17889 40707 06826 24534 08542 30335 95281 60875 22938  
77793 70015 22047 67786 04296 50452 46955 21470 96067 14275  
31795 78911 72429 56592 19675 68415 13743 48435 86811 51416  
03914 67996 92501 41075 67126 03066 85050 00666 03507 48097  
80839 56433  
= = 681 681 52 52 00000

**12211/10243 kHz, 10-11, 0500/0520 UTC**

952 403 403 52 52 = =  
05975 60729 27779 72888 90149 72057 69791 75325 91852 66347  
61024 84997 80685 77614 76605 77804 12486 41766 54653 12189  
93706 37229 93125 82111 90022 46752 52618 99807 83872 63847  
82312 94265 10607 92298 11254 36370 27943 12167 72147 26638  
98401 10744 49866 06492 89426 01881 71846 79008 20861 82135  
82568 50069  
= = 403 403 52 52 00000

**12211/10243 kHz, 11-11, 0500/0523 UTC**

952 871 871 59 59 = =  
97405 43519 63123 97783 36421 92049 86254 81735 27237 49372  
28812 72984 69454 58574 06704 28395 08986 32205 72591 35859  
83218 21822 82386 40537 20958 61470 31378 19241 83096 14765  
08427 45150 54940 80286 41659 10048 26137 34954 34107 96258  
19133 20082 12728 15492 52110 99794 39232 56754 47328 46496  
56178 10541 20813 33073 66747 61480 14339 36527 71650  
= = 871 871 59 59 00000

**12211/10243 kHz, 14-11, 0500/0523 UTC**

952 634 634 52 52 = =  
80413 92448 29848 79858 54355 21052 10604 88637 04804 13779  
15226 09556 62785 92433 61111 46467 06928 21901 06444 34109  
05026 86747 76965 90728 70952 44490 76061 87219 04076 91461  
57818 31200 03391 02200 67766 89462 73544 28329 80986 97248  
64938 67833 92263 27773 15108 40691 37980 20441 83553 31782  
54433 91193  
= = 634 634 52 52 00000

**12211/10243 kHz, 15-11, 0500/0523 UTC**

952 817 817 53 53 = =  
68871 06199 91809 10273 57305 04328 15300 57076 63752 27138  
24296 87242 92757 24275 76676 13382 98465 96904 05490 11854  
93208 34399 71149 27468 89785 19484 55907 89620 00873 19025  
86550 69535 43994 02654 96265 33313 25502 56403 61593 70461  
01998 83565 75416 02608 42626 09923 41931 02071 40695 35584  
04518 74984 48043  
= = 817 817 53 53 00000

**12211/10243 kHz, 16-11, 0500/0523 UTC. Late start**

952 604 604 55 55 = =  
74906 28087 56524 18726 91569 98670 42169 92507 97929 66073  
98892 83189 29139 23513 55073 19064 33660 23341 97634 35608  
68159 20246 31834 93159 79602 50496 21217 95456 91748 33157  
37442 57513 38224 04209 74657 96229 09369 19528 08108 42207  
05037 87636 01678 96183 10544 18188 94037 78544 37942 97106  
18100 45328 99819 24323 33457  
= = 604 604 55 55 00000

**12211/10243 kHz, 17-11, 0504/0522 UTC. Late starts**

952 318 318 52 52 = =  
74906 28087 56524 18726 91569 98670 42169 92507 97929 66073  
98892 83189 29139 23513 55073 19064 33660 23341 97634 35608  
68159 20246 31834 93159 79602 50496 21217 95456 91748 33157  
37442 57513 38224 04209 74657 96229 09369 19528 08108 42207  
05037 87636 01678 96183 10544 18188 94037 78544 37942 97106  
18100 45328  
= = 318 318 52 52 00000

**12211/10243 kHz, 18-11, 0500/0520 UTC**

952 706 706 52 52 = =  
43349 90160 68984 55410 16487 28627 58309 52519 82075 94979  
73035 95572 17405 36683 30550 46775 84834 97240 81934 04388  
64912 00562 27565 49457 33737 56517 38657 22318 89251 11137  
01965 14826 56138 89856 29811 89246 24021 07286 02631 59745  
98659 41901 36227 97406 70814 99132 90923 44737 32470 11255  
64790 50562 = =  
706 706 52 52 00000

**12211 kHz, 21-11, 0500 UTC**

**10243 kHz, 21-11, 0520 UTC. 952 (R) off at 0524z. Back at 0527z with the 1st group**

952 731 731 62 62 = =  
12158 63659 35845 97037 63722 22762 81008 87424 20063 34205  
25499 39129 89207 54802 11762 31251 76001 35440 53499 26114  
36184 35690 74940 84397 45782 88553 33424 96771 53044 79847  
04960 30472 05059 74590 37473 14254 66287 73479 01405 10166  
71165 44664 92369 45574 77980 61880 65548 03878 16204 09865  
06508 97355 44469 42988 68131 70575 61378 08052 28353 07814  
36337 67186  
= = 731 731 62 62 00000

**12211/10243 kHz, 22-11, 0500/0520 UTC**

952 768 768 51 51 = =  
71865 36255 02656 67982 41530 70337 77151 37333 54972 82615  
21982 69220 05711 55989 03188 26531 46627 22135 90455 89223  
10107 80933 48011 77513 67717 17652 14270 18915 09142 16316  
62456 20051 45022 92707 59362 29205 63424 95442 64434 00519  
94606 48532 36384 95795 63767 33904 39508 84832 36476 37291  
66900  
= = 768 768 51 51 00000

**12211/10243 kHz, 23-11, 0500/0520 UTC**

No transmissions

**12211 kHz, 24-11, 0505 UTC. Started late with group 6.**

**10243 kHz, 24-11, 0520 UTC**

952 413 413 57 57 = =  
78284 45345 49399 89696 97811 28866 48261 49597 21642 51581  
89332 40749 48091 45772 12500 30053 23945 81771 26434 20886  
41256 70690 15972 58804 09624 44595 36723 73290 08661 37548  
14057 41465 50309 15977 88681 84710 05718 31792 75986 34146  
76352 96698 31341 25882 14037 01133 38548 12005 19601 26269  
63614 98211 74832 22532 41053 44053 87420  
= = 413 413 57 57 00000

**12211 kHz, 25-11, 0505 UTC. Late start. No preamble but right into the message**

**10243 kHz, 25-11, 0520 UTC**

952 760 760 55 55 = =  
01692 90949 33463 81285 92283 09872 51547 57320 41842 11120  
57766 51886 49905 16960 61381 75915 69258 56928 13073 72826  
42066 42212 45609 65611 54064 30365 66171 62223 80252 47545  
36281 98958 20540 60453 00262 26506 48757 15172 48168 68365  
23492 85084 24135 06315 34176 95059 16065 72615 80865 14103  
87605 53645 11147 33640 38349  
= = 760 760 55 55 00000

**12211/10243 kHz, 28-11, 0500/0520 UTC. Wrong group count**

952 843 843 51 51 = =  
46696 56895 74063 69887 19553 48766 64993 50677 95519 95234  
63235 34953 00084 23331 76857 02668 06126 38052 08858 33836  
13794 15504 91588 24374 48445 86359 72834 60239 50097 76850  
89480 29558 52812 99454 89731 77427 77466 10484 89792 33086  
86336 76751 75960 64127 72928 18516 88065 37455 85518 20869  
45200 91670  
= = 843 843 51 51 00000

**12211/10243 kHz, 29-11, 0500/0520 UTC. Repeat of 28 Nov, now with a correct group count**

952 176 176 52 52 = =  
46696 56895 74063 69887 19553 48766 64993 50677 95519 95234  
63235 34953 00084 23331 76857 02668 06126 38052 08858 33836  
13794 15504 91588 24374 48445 86359 72834 60239 50097 76850  
89480 29558 52812 99454 89731 77427 77466 10484 89792 33086  
86336 76751 75960 64127 72928 18516 88065 37455 85518 20869  
45200 91670  
= = 176 176 52 52 00000

**12211/10243 kHz, 30-11, 0500/0520 UTC**

952 438 438 51 51 = =  
99693 84633 90854 66122 71015 01939 32334 05614 15567 93270  
97385 00470 76009 17216 80384 04763 08719 60718 16311 69742  
69742 26657 47150 89879 33209 64987 58159 13506 53221 67883  
61472 35070 90141 19972 61836 61393 68780 70837 17301 08380  
71852 26028 88013 13753 47915 03013 09723 73329 36383 75505  
09184 86768  
= = 438 438 51 51 00000

**11487/9412 kHz, 27-11, 0725/0800 UTC**

534 629 629 31 31 = =  
61404 59787 19797 27529 65678 85147 91613 11986 91279 11071  
32431 05179 93294 54047 75002 72413 80946 47648 09453 25615  
95375 80165 65202 26712 95325 65796 90652 79796 86675 36068  
29058  
= = 629 629 31 31 00000

## ***M21 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)***

**4865.5 kHz, 20-11, 0501 UTC**

=990801??8?????  
=990802??8?????  
=990803??8?????

**8755 kHz, 23-11, 1025 UTC**

=13501172309320=  
=135011723032=  
=13500172304324=  
=13501181378257=

4865.5 kHz, 27-11, 0547 UTC

=990847??8?????

=990848??8?????

=990849??8?????

## M22

4331 kHz, 10-11, 1920 UTC, messages in progress.

TR AR NW QTC 1 NR 032 = =

NR 032 UT V CR5L 123101 BC0Q GR 71 = =

BQBQB GEMUO HROQR MQLKP HEMQJ XNYAQ QTILH FAXQW NEHBE CSKFL

PGNHQ CBMGR CSBSC MMZWU HXMWA RMRPW GEMUO = =

NR 032 UT V CR5L 123101 BC0Q GR 71 = =

BQBQB GEMUO HROQR MQLKP HEMQJ XNYAQ QTILH FAXQW NEHBN CSKFL

PGNHQ CBMGR CSBSC MMZWU HX

SRI SRI SRI

DB5L DB5L DB5L QSL NR 17 = =

DB5L DB5L DB5L QSL NR 17 = =

DB5L DB5L DB5L QSL NR 17 = =

AR AR

VVV DE 4XZ 4XZ = =

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 032 = =

NR 032 UT V CR5L 123101 BC0Q GR 71 = =

BQBQB GEMUO HROQR MQLKP HEMQJ XNYAQ QTILH FAXQW NEHBN CSKFL

PGNHQ CBMGR CSBSC MMZWU HXMWA IMRPW GEMUO = =

NR 032 UT V CR5L 123101 BC0Q GR 71 = =

BQBQB GEMUO HROQR MQLKP HEMQJ XNYAQ QTILH FAXQW NEHBN CSKFL

PGNHQ CBMGR CSBSC MMZWU HXMWA RMRPW GEMUO = =

NR 032 UT V CR5L 123101 BC0Q GR 71 = =

AR AR

VHV DE 4XZ 4XZ = =

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 922 = =

NR 922 TL V WP1G 023101 BC8D GR 61 = =

BDBDB PNMEX KQRL AHOPC BBATY FLSIX DQFQH KDOCL QFKWK ADLYB

IITJG ZNQUZ DJEHK SWZSM FSIGQ PNMEX = =

NR 922 TL V WP1G 023101 BC8D GR 61 <BT>U

BDBDB PNMEX KGRLL AHOPC BBATY FLSIX DQFQH KDOCL QFKWK ADLYB

IITJG ZNQUZ DJEHK SWZSM FSIGQ PNMEX = =

NR 922 TL V WP1G 023101 BC8D GR 61 = =

AR AR

VVV DE 4XZ 4XZ = =

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 822 = =

NR 822 TL V WP1G 913101 BC8D GR 51 = =

BNBDB XDSTU FWYJH URUFF HHJXR MGGYD QSJEA JUNLR HALXM XOPJF

WZTTK DCHUP XINMK NDOCO XDSTU = =

NR 822 TL V WP1G 913101 BC8D GR 51 = =

BDBDB XDSTU FWYJH URUFF HHJXR MGGYD QSJEA JUNLR HALXM XOPJF

WZTTK DCHUP XINMK NDOCO XDSTU = =

NR 822 TL V WP1G 913101 BC8D GR 51 = =

AR AR

VVV DE 4XZ 4XZ = =

VVV DE 4XZ 4XZ = =

TR AR NW QTC 1 NR 432 = =

NR 432 TL V WP1G 421201 BC8D GR 04 = =

BDBDB AFOOU FBSGQ PRHWZ FRAQP WRGFI XWYKC LONUC RMZTH WPCEE

ZTUTD QWEQN YDGKC GTHME HEKYL GMJYE SLTCI SAGTT LDHKK TUNDU  
 AXDRJ SCJAK ZUCEW RNBMK RKZKS IKOGK AGAXN BBOPL IIRSP KKHOB  
 BJHFR ETMQU WTKCS EKPDY WFLHY YPSOC EYOAC LBGUC BZFIK AFOOU = =  
 NA 432 TL V WP1G 421201 BC8D GR 04 = =  
 BDBDB AFOOU FBSGQ PRHWZ FRAQP WRGFI XWYKC LONUK RMZTH WPCEE  
 ZTUTD QWEQN YDGVG GTHME HEKYL GMJYE SLTCI SAGTT LDHKK TUNDU  
 AXDRJ SCJAK LUCEW RNBMK RKZKS IKOGK AGAXN BBOPL IIRSP KKHOB  
 BJHFR ETMQU WTKCS EKPDY WFLHY YPSOC EYOAC LBGUC BZFIK AFOOU = =  
 NR 432 TL V WP1G 421201 BC8D GR 04 = =  
 AR AR

VVV DE 4XZ 4XZ = =  
 VVV DE 4XZ 4XZ = =  
 TR SR NW QTC 1 NR 532 = =  
 NR 532 LG V LI3T 821201 BC0Q GR 04 = =  
 BQBQB ZWSLB JTZHH OWLGE YFEXK PNZHI ZFQAB XHNLX IPYID G XKJU  
 AJEJL JTAKE NBSSF NGTBM WSMFI FTZEO JARYU YGTXA RMXHO CLMJH  
 HNLHH BPDJE HKASA RHZNS OQDWE BAIOR UOATQ MOXSF OIKRS XINAS  
 NYDTG XLNXM ZPRGG HANMM HDHFX WFIYS ITNYJ KYIAJ CUHNP ZWSLB = =  
 NR 532 LG V LI3T 821201 BC0Q GR 04 = =  
 BQBQB ZWSLB JTZHH OWLGE YFEXK PNZHI ZFQAB XHNLX IPYID G XKJU  
 AJEJL JTAKE NBSSF NGTBM WSMFI FTZEO JARYU YGTXA RMXHO CLMJH  
 HNLHH BPDJE HKASA RHZNS OQDWE BAIOR UOATQ MOXSF OIKRS XINAS  
 NYDTG XLNXM ZPRGG HANMM HDHFX WFIYS ITNYJ KYIAJ CUHNP ZWSLB = =  
 NR 532 LG V LI3T 821201 BC0Q GR 04 = =  
 AR AR

VVV DE 4XZ 4XZ = =

## M23

When the station is active it sends a time beep 24h a day at hh59m. Duration 1 second.



Time beep



OOO



000 (long zero's)

5345 kHz, 18-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 25-11, 1419 UTC	OOO (R 1h22m)
5345 kHz, 19-11, 1049 UTC	OOO (R 1h22m)	5345 kHz, 25-11, 1559 UTC	OOO (R 1h22m)
5345 kHz, 19-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 26-11, 1419 UTC	OOO (R 1h22m)
5345 kHz, 20-11, 1049 UTC	OOO (R 1h22m)	5345 kHz, 26-11, 1559 UTC	OOO (R 1h22m)
5349 kHz, 21-11, 1419 UTC	OOO (R 1h22m)	5345 kHz, 27-11, 1419 UTC	OOO (R 1h22m)
5349 kHz, 21-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 27-11, 1559 UTC	OOO (R 1h22m)
5345 kHz, 22-11, 1419 UTC	OOO (R 1h22m)	5345 kHz, 28-11, 1419 UTC	OOO (R 1h22m)
5345 kHz, 22-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 28-11, 1559 UTC	OOO (R 1h22m)
5345 kHz, 23-11, 1419 UTC	OOO (R 1h22m)	5345 kHz, 29-11, 0959 UTC	000 (long zero's) (R 47min)
5345 kHz, 23-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 29-11, 1559 UTC	000 (long zero's) (R 47min)
5345 kHz, 24-11, 1419 UTC	OOO (R 1h22m)	5345 kHz, 30-11, 0959 UTC	000 (long zero's) (R 47min)
5345 kHz, 24-11, 1559 UTC	OOO (R 1h22m)	5345 kHz, 30-11, 1559 UTC	000 (long zero's) (R 47min)

## MC03 - Chinese Air Defense

**9153 kHz, 29-11, 0939 UTC. Long message i.p.**

773 357 4UT 44D 46N N3D 447 4D6 75D 4D3  
 I84 N3D 3D7 TT5 773 357 4UT 44D 46N N3D  
 447 4D6 75N 3D4 3D6 N3D 3D5 773 354 373  
 T3N 357 4UT 447 N3D 44D 45N 4D6 75D 4D3  
 3D3 N3D 3D5 TTD 773 354 383 4UT 436 N3D  
 44D 46N 4D6 75D 4D3 3N3 3D5 ... ZNN SK

**4735 kHz, 01-11, 0800 UTC**

VVV VVV PROMRCh = 01 12 =  
1000 0870 0910 1080 1560  
1200 1000 1040 1210 1700  
1400 0990 1040 1180 1650  
1600 0990 1040 1200 1700  
1800 0820 0860 0990 1400  
2000 0560 0590 0680 0950  
2200 0420 0430 0490 0670  
0000 0410 0420 0470 0630  
0200 0410 0420 0470 0630  
0400 0420 0430 0480 0650  
0600 0350 0370 0420 0600  
0800 0720 0770 0920 1360  
= ABV  
VVV VVV PROMRCh = 01 12 =  
1000 0870 0910 1080 1560  
1200 1000 1040 1210 1700  
1400 0990 1040 1180 1650  
1600 0990 1040 1200 1700  
1800 0820 0860 0990 1400  
2000 0560 0590 0680 0950  
2200 0420 0430 0490 0670  
0000 0410 0420 0470 0630  
0200 0410 0420 0470 0630  
0400 0420 0430 0480 0650  
0600 0350 0370 0420 0600  
0800 0720 0770 0920 1360  
= AR

**4735 kHz, 05-11, 0800 UTC**

VVVVV PROMRCh = 05 11 =  
1000 0880 0920 1090 1580  
1200 1000 1040 1210 1710  
1400 0990 1030 1180 1670  
1600 0990 1040 1210 1710  
1800 0780 0820 0950 1330  
2000 0530 0550 0640 0900  
2200 0400 0410 0470 0640  
0000 0400 0410 0460 0610  
0200 0400 0410 0470 0620  
0400 0410 0420 0480 0650  
0600 0340 0360 0420 0600  
0800 0720 0770 0930 1360  
= ABV =  
VVVVV PROMRCh = 05 11 =  
1000 0880 0920 1090 1580  
1200 1000 1040 1210 1710  
1400 0990 1030 1180 1670  
1600 0990 1040 1210 1710  
1800 0780 0820 0950 1330  
2000 0530 0550 0640 0900  
2200 0400 0410 0470 0640  
0000 0400 0410 0460 0610  
0200 0400 0410 0470 0620  
0400 0410 0420 0480 0650  
0600 0340 0360 0420 0600  
0800 0720 0770 0930 1360  
= AR

**4735 kHz, 02-11, 0800 UTC**

VVVVV PROMRCh = 0211 =  
1000 0870 0920 1080 1560  
1200 1000 1040 1210 1700  
1400 0990 1040 1180 1650  
1600 0990 1040 1200 1700  
1800 0820 0850 0990 1400  
2000 0550 0580 0670 0940  
2200 0410 0430 0490 0670  
0000 0410 0420 0470 0630  
0200 0410 0420 0470 0630  
0400 0420 0430 0480 0650  
0600 0350 0370 0420 0600  
0800 0720 0770 0920 1360  
= ABV  
VVVVV PROMRCh = 0211 =  
1000 0870 0920 1080 1560  
1200 1000 1040 1210 1700  
1400 0990 1040 1180 1650  
1600 0990 1040 1200 1700  
1800 0820 0850 0990 1400  
2000 0550 0580 0670 0940  
2200 0410 0430 0490 0670  
0000 0410 0420 0470 0630  
0200 0410 0420 0470 0630  
0400 0420 0430 0480 0650  
0600 0350 0370 0420 0600  
0800 0720 0770 0920 1360  
= AR

**4735 kHz, 06-11, 0800 UTC**

VVV VVV PROMRCh = 06 11 =  
1000 0850 0900 1070 1540  
1200 0970 1020 1180 1670  
1400 0970 1010 1160 1630  
1600 0970 1020 1190 1680  
1800 0740 0780 0910 1270  
2000 0500 0530 0610 0870  
0200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0410 0460 0610  
0400 0410 0420 0470 0680  
0600 0340 0360 0410 0590  
0800 0720 0770 0930 1370  
= ABV  
VVV VVV PROMRCh = 06 11 =  
1000 0850 0900 1070 1540  
1200 0970 1020 1180 1670  
1400 0970 1010 1160 1630  
1600 0970 1020 1190 1680  
1800 0740 0780 0910 1270  
2000 0500 0530 0610 0870  
0200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0410 0460 0610  
0400 0410 0420 0470 0680  
0600 0340 0360 0410 0590  
0800 0720 0770 0930 1370  
= AR

**3 November not monitored****4735 kHz, 07-11, 0800 UTC**

VVV VVV PROMRCh = 07 11 =  
1000 0890 0940 1110 1600  
1200 1000 1050 1210 1720  
1400 0990 1040 1190 1670  
1600 0990 1040 1210 1710  
1800 0750 0790 0910 1290  
2000 0510 0530 0620 0870  
2200 0390 0410 0460 0630  
2400 0390 0400 0450 0600  
0200 0390 0400 0460 0610  
0400 0400 0410 0470 0630  
0600 0340 0360 0410 0590  
0800 0720 0770 0930 1370  
= ABV = 07 11 =  
1000 0890 0940 1110 1600  
1200 1000 1050 1210 1720  
1400 0990 1040 1190 1670  
1600 0990 1040 1210 1710  
1800 0750 0790 0910 1290  
2000 0510 0530 0620 0870  
2200 0390 0410 0460 0630  
2400 0390 0400 0450 0600  
0200 0390 0400 0460 0610  
0400 0400 0410 0470 0630  
0600 0340 0360 0410 0590  
0800 0720 0770 0930 1370  
= AR

**4735 kHz, 04-11, 0800 UTC**

VVV VVV PROMRCh = 0411 =  
1000 0870 0920 1080 1570  
1200 0990 1040 1200 1700  
1400 0980 1020 1170 1650  
1600 0990 1030 1200 1700  
1800 0790 0830 0960 1350  
2000 0530 0560 0650 0910  
2200 0400 0420 0470 0650  
0000 0410 0420 0470 0620  
0200 0410 0420 0470 0620  
0400 04 0 0430 0480 0640  
0600 0340 0360 0420 0600  
0800 0720 0770 0930 1370  
= ABV  
VVV VVV PROMRCh = 0411 =  
1000 0870 0920 1080 1570  
1200 0990 1040 1200 1700  
1400 0980 1020 1170 1650  
1600 0990 1030 1200 1700  
1800 0790 0830 0960 1350  
2000 0530 0560 0650 0910  
2200 0400 0420 0470 0650  
0000 0410 0420 0470 0620  
0200 0410 0420 0470 0620  
0400 04 0 0430 0480 0640  
0600 0340 0360 0420 0600  
0800 0720 0770 0930 1370  
= AR

**4735 kHz, 08-11, 0800 UTC**

VVV VVV = PROMRCh = 0811 =  
1000 0900 0950 1110 1610  
1200 1010 1060 1220 1730  
1400 0990 1030 1190 1680  
1600 0990 1040 1210 1720  
1800 0740 0770 0890 1260  
2000 0510 0530 0610 0870  
2200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0410 0460 0610  
0400 0400 0420 0470 0630  
0600 0340 0360 0420 0590  
0800 0730 0780 0930 1380  
= ABV  
VVV VVV = PROMRCh = 0811 =  
1000 0900 0950 1110 1610  
1200 1010 1060 1220 1730  
1400 0990 1030 1190 1680  
1600 0990 1040 1210 1720  
1800 0740 0770 0890 1260  
2000 0510 0530 0610 0870  
2200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0410 0460 0610  
0400 0400 0420 0470 0630  
0600 0340 0360 0420 0590  
0800 0730 0780 0930 1380  
= AR

**4735 kHz, 09-11, 0800 UTC**  
VVV VVV PROMRCh = 09 11 =  
1000 0900 0950 1120 1620  
1200 1010 1060 1220 1740  
1400 1000 1040 1200 1680  
1600 1000 1050 1220 1740  
1800 0730 0770 0890 1250  
2000 0500 0530 0610 0860  
2200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0400 0450 0610  
0400 0400 0420 0470 0630  
0600 0340 0360 0420 0590  
0800 0730 0780 0940 1380  
= ABV  
VVV VVV PROMRCh = 09 11 =  
1000 0900 0950 1120 1620  
1200 1010 1060 1220 1740  
1400 1000 1040 1200 1680  
1600 1000 1050 1220 1740  
1800 0730 0770 0890 1250  
2000 0500 0530 0610 0860  
2200 0390 0400 0460 0620  
0000 0390 0400 0450 0600  
0200 0390 0400 0450 0610  
0400 0400 0420 0470 0630  
0600 0340 0360 0420 0590  
0800 0730 0780 0940 1380  
= AR

**10 November not monitored**

**4735 kHz, 11-11, 0800 UTC**  
VVVVV PROMRCh = 11 11 =  
1000 0920 0970 1400 1650  
1200 1020 1070 1410 1750  
1400 1010 1050 1210 1710  
1600 1010 1060 1230 1750  
1800 0710 0750 0860 1710  
2000 0490 0510 0600 0840  
2200 0380 0400 0450 0610  
0000 0390 0400 0450 0600  
0200 0390 0400 0460 0610  
0400 0420 0420 0470 0630  
0600 0340 0350 0410 0590  
0800 0740 0790 0950 1390  
= ABV  
VVVVV PROMRCh = 11 11 =  
1000 0920 0970 1400 1650  
1200 1020 1070 1410 1750  
1400 1010 1050 1210 1710  
1600 1010 1060 1230 1750  
1800 0710 0750 0860 1710  
2000 0490 0510 0600 0840  
2200 0380 0400 0450 0610  
0000 0390 0400 0450 0600  
0200 0390 0400 0460 0610  
0400 0420 0420 0470 0630  
0600 0340 0350 0410 0590  
0800 0740 0790 0950 1390  
= AR

**4735 kHz, 12-11, 0800 UTC**  
VVV VVV PROMRCh = 12 11 =  
1000 0920 0970 1140 1650  
1200 1030 1070 1240 1760  
1400 1010 1050 1210 1710  
1600 1000 1050 1220 0750  
1800 0690 0720 0840 1180  
2000 0480 0500 0580 0820  
2200 0370 0390 0440 0600  
0000 0390 0390 0440 0590  
0200 0090 0450 0610 0610  
0400 0410 0460 0460 0630  
0600 0330 0780 0410 0590  
0800 0730 0780 0490 1390  
= ABV  
VVV VVV PROMRCh = 12 11 =  
1000 0920 0970 1140 1650  
1200 1030 1070 1240 1760  
1400 1010 1050 1210 1710  
1600 1000 1050 1220 0750  
1800 0690 0720 0840 1180  
2000 0480 0500 0580 0820  
2200 0370 0390 0440 0600  
0000 0390 0390 0440 0590  
0200 0090 0450 0610 0610  
0400 0410 0460 0460 0630  
0600 0330 0780 0410 0590  
0800 0730 0780 0490 1390  
= AR

**4735 kHz, 17-11, 0800 UTC**  
VVVVV PROMRCh = 17 11 =  
1000 0930 0990 1160 1680  
1200 1040 1090 1260 1780  
1400 1040 1090 1250 1760  
1600 1010 1070 1240 1780  
1800 0630 0660 0760 1070  
2000 0450 0470 0540 0770  
2200 0370 0380 0430 0590  
2400 0390 0380 0430 0580  
0200 0370 0400 0450 0610  
0400 0390 0410 0460 0600  
0600 0330 0350 0410 0590  
0800 0730 0780 0940 1380  
= ABV =  
VVVVV PROMRCh = 17 11 =  
1000 0930 0990 1160 1680  
1200 1040 1090 1260 1780  
1400 1040 1090 1250 1760  
1600 1010 1070 1240 1780  
1800 0630 0660 0760 1070  
2000 0450 0470 0540 0770  
2200 0370 0380 0430 0590  
2400 0390 0380 0430 0580  
0200 0370 0400 0450 0610  
0400 0390 0410 0460 0600  
0600 0330 0350 0410 0590  
0800 0730 0780 0940 1380  
= AR

**4735 kHz, 18-11, 0800 UTC**  
VVVVV PROMRCh = 18 11 =  
1000 0930 0980 1160 1670  
1200 1030 1080 1250 1780  
1400 1030 1080 1240 1750  
1600 1010 1060 1240 1760  
1800 0610 0650 0740 1040  
2000 0440 0460 0540 0760  
2200 0360 0370 0420 0580  
0000 0370 0380 0430 0570  
0200 0390 0400 0450 0610  
0400 0390 0410 0460 0630  
0600 0330 0350 0410 0580  
0800 0730 0770 0930 1380  
= ABV =  
VVVVV PROMRCh = 18 11 =  
1000 0930 0980 1160 1670  
1200 1030 1080 1250 1780  
1400 1030 1080 1240 1750  
1600 1010 1060 1240 1760  
1800 0610 0650 0740 1040  
2000 0440 0460 0540 0760  
2200 0360 0370 0420 0580  
0000 0370 0380 0430 0570  
0200 0390 0400 0450 0610  
0400 0390 0410 0460 0630  
0600 0330 0350 0410 0580  
0800 0730 0770 0930 1380  
= AR

**4735 kHz, 19-11, 0800 UTC**  
VVVVV PROMRCh = 1911 =  
1000 0890 0940 1120 1630  
1200 0990 1040 1210 1730  
1400 1000 1040 1210 1710  
1600 0980 1030 1210 1730  
1800 0580 0610 0710 0990  
2000 0420 0440 0520 0730  
2200 0350 0370 0420 0570  
2400 0370 0380 0420 0570  
0200 0390 0400 0450 0600  
0400 0390 0400 0460 0620  
0600 0330 0350 0410 0580  
0800 0710 0760 0920 1360  
= ABV =  
VVVVV PROMRCh = 1911 =  
1000 0890 0940 1120 1630  
1200 0990 1040 1210 1730  
1400 1000 1040 1210 1710  
1600 0980 1030 1210 1730  
1800 0580 0610 0710 0990  
2000 0420 0440 0520 0730  
2200 0350 0370 0420 0570  
2400 0370 0380 0420 0570  
0200 0390 0400 0450 0600  
0400 0390 0400 0460 0620  
0600 0330 0350 0410 0580  
0800 0710 0760 0920 1360  
= AR

**4735 kHz, 20-11, 0800 UTC**  
VVVVV PROMRCh = 2011 =  
1000 0920 0970 1150 1670  
1200 1010 1060 1240 1760  
1400 1010 1060 1230 1730  
1600 0990 1040 1230 1750  
1800 0580 0610 0700 0980  
2000 0420 0440 0510 0720  
2200 0350 0360 0420 0570  
0000 0370 0380 0420 0570  
0200 0390 0400 0450 0600  
0400 0390 0400 0460 0620  
0600 0330 0350 0410 0580  
0800 0710 0760 0930 1370  
= ABV =  
VVVVV PROMRCh = 2011 =  
1000 0920 0970 1150 1670  
1200 1010 1060 1240 1760  
1400 1010 1060 1230 1730  
1600 0990 1040 1230 1750  
1800 0580 0610 0700 0980  
2000 0420 0440 0510 0720  
2200 0350 0360 0420 0570  
0000 0370 0380 0420 0570  
0200 0390 0400 0450 0600  
0400 0390 0400 0460 0620  
0600 0330 0350 0410 0580  
0800 0710 0760 0930 1370  
= AR

**4735 kHz, 13-11, 0800 UTC**

VVVVV PROMRCh = 13 11 =  
 1000 0920 0980 1150 1660  
 1200 1030 1080 1250 1770  
 1400 1020 1070 1230 1730  
 1600 1010 1060 1230 1750  
 1800 0680 0710 0820 1160  
 2000 0470 0490 0570 0810  
 2200 0370 0380 0440 0600  
 2400 0380 0390 0440 0590  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0620  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = ABV =

VVVVV PROMRCh = 13 11 =  
 1000 0920 0980 1150 1660  
 1200 1030 1080 1250 1770  
 1400 1020 1070 1230 1730  
 1600 1010 1060 1230 1750  
 1800 0680 0710 0820 1160  
 2000 0470 0490 0570 0810  
 2200 0370 0380 0440 0600  
 2400 0380 0390 0440 0590  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0620  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = AR

**4735 kHz, 19-11, 0800 UTC**

VVV PROMRCh = 1911 =  
 1000 0890 0940 1120 1630  
 1200 0990 1040 1210 1730  
 1400 1000 1040 1210 1710  
 1600 0980 1030 1210 1730  
 1800 0580 0610 0710 0990  
 2000 0420 0440 0520 0730  
 2200 0350 0370 0420 0570  
 2400 0370 0380 0420 0570  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0460 0620  
 0600 0330 0350 0410 0580  
 0800 0710 0760 0920 1360  
 = ABV

VVV PROMRCh = 1911 =  
 1000 0890 0940 1120 1630  
 1200 0990 1040 1210 1730  
 1400 1000 1040 1210 1710  
 1600 0980 1030 1210 1730  
 1800 0580 0610 0710 0990  
 2000 0420 0440 0520 0730  
 2200 0350 0370 0420 0570  
 2400 0370 0380 0420 0570  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0460 0620  
 0600 0330 0350 0410 0580  
 0800 0710 0760 0920 1360  
 = AR

**4735 kHz, 14-11, 0800 UTC**

VVV VVV PROMRCh = 14 11 =  
 1000 0930 0980 1200 1670  
 1200 1040 1090 1260 1780  
 1400 1030 1080 1240 1740  
 1600 1020 1070 1240 1770  
 1800 0670 0700 0810 1140  
 2000 0470 0490 0570 0800  
 2200 0370 0390 0440 0600  
 0000 0380 0390 0440 0580  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0620  
 0600 0330 0350 0410 0590  
 0800 0730 0780 0940 1390  
 = ABV

VVV VVV PROMRCh = 14 11 =  
 1000 0930 0980 1200 1670  
 1200 1040 1090 1260 1780  
 1400 1030 1080 1240 1740  
 1600 1020 1070 1240 1770  
 1800 0670 0700 0810 1140  
 2000 0470 0490 0570 0800  
 2200 0370 0390 0440 0600  
 0000 0380 0390 0440 0580  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0620  
 0600 0330 0350 0410 0590  
 0800 0730 0780 0940 1390  
 = AR

**4735 kHz, 22-11, 0800 UTC**

VVVVV PROMRCh = 2211 =  
 1000 0910 0970 1150 1660  
 1200 1000 1050 1220 1740  
 1400 1010 1050 1220 1710  
 1600 0980 1030 1210 1730  
 1800 0560 0590 0680 0940  
 2000 0420 0430 0510 0710  
 2200 0350 0360 0410 0570  
 0000 0360 0370 0420 0570  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0710 0760 0900 1350  
 = ABV

VVVVV PROMRCh = 2211 =  
 1000 0910 0970 1150 1660  
 1200 1000 1050 1220 1740  
 1400 1010 1050 1220 1710  
 1600 0980 1030 1210 1730  
 1800 0560 0590 0680 0940  
 2000 0420 0430 0510 0710  
 2200 0350 0360 0410 0570  
 0000 0360 0370 0420 0570  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0710 0760 0900 1350  
 = AR

**4735 kHz, 15-11, 0800 UTC**

VVV VVV = PROMRCh = 1511 =  
 1000 0940 0990 1160 1670  
 1200 1040 1100 1260 1790  
 1400 1040 1080 1240 1750  
 1600 1030 1080 1250 1780  
 1800 0660 0690 0800 1120  
 2000 0460 0490 0560 0790  
 2200 0370 0390 0440 0600  
 0000 0380 0390 0430 0580  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0630  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = ABV

VVV VVV = PROMRCh = 1511 =  
 1000 0940 0990 1160 1670  
 1200 1040 1100 1260 1790  
 1400 1040 1080 1240 1750  
 1600 1030 1080 1250 1780  
 1800 0660 0690 0800 1120  
 2000 0460 0490 0560 0790  
 2200 0370 0390 0440 0600  
 0000 0380 0390 0430 0580  
 0200 0390 0400 0450 0610  
 0400 0400 0410 0460 0630  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = AR

**4735 kHz, 23-11, 0800 UTC**

VVV VVV PROMRCh = 23 11 =  
 1000 0900 0950 1120 1630  
 1200 0980 1020 1200 1720  
 1400 0980 1030 1200 1690  
 1600 0960 0010 1190 1710  
 1800 0530 0560 0650 0910  
 2000 0410 0430 0500 0710  
 2200 0350 0360 0420 0560  
 0000 0360 0370 0430 0560  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0700 0750 0910 0350  
 = ABV

VVV VVV PROMRCh = 23 11 =  
 1000 0900 0950 1120 1630  
 1200 0980 1020 1200 1720  
 1400 0980 1030 1200 1690  
 1600 0960 0010 1190 1710  
 1800 0530 0560 0650 0910  
 2000 0410 0430 0500 0710  
 2200 0350 0360 0420 0560  
 0000 0360 0370 0430 0560  
 0200 0390 0400 0450 0600  
 0400 0390 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0700 0750 0910 0350  
 = AR

**4735 kHz, 16-11, 0800 UTC**

VVVVV PROMRCh = 16 11 =  
 1000 0940 0990 1170 1680  
 1200 1040 1090 1270 1790  
 1400 1040 1090 1250 1760  
 1600 1020 1070 1240 1780  
 1800 0650 0680 0790 1100  
 2000 0460 0480 0560 0780  
 2200 0370 0380 0430 0590  
 0000 0380 0390 0430 0580  
 0200 0390 0400 0460 0610  
 0400 0400 0410 0460 0630  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = ABV

VVVVV PROMRCh = 16 11 =  
 1000 0940 0990 1170 1680  
 1200 1040 1090 1270 1790  
 1400 1040 1090 1250 1760  
 1600 1020 1070 1240 1780  
 1800 0650 0680 0790 1100  
 2000 0460 0480 0560 0780  
 2200 0370 0380 0430 0590  
 0000 0380 0390 0430 0580  
 0200 0390 0400 0460 0610  
 0400 0400 0410 0460 0630  
 0600 0330 0350 0410 0580  
 0800 0730 0780 0940 1380  
 = AR

**4735 kHz, 24-11, 0800 UTC**

VVVVV PROMRCh = 24 11 =  
 1000 0890 0940 1110 1610  
 1200 0960 1010 1190 1700  
 1400 0970 1010 1180 1680  
 1600 0940 0990 1170 1680  
 1800 0520 0540 0630 0890  
 2000 0400 0420 0490 0700  
 2200 0350 0350 0410 0560  
 2400 0360 0370 0420 0560  
 0200 0380 0390 0450 0660  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0690 0740 0900 1330  
 = ABV =

VVVVV PROMRCh = 24 11 =  
 1000 0890 0940 1110 1610  
 1200 0960 1010 1190 1700  
 1400 0970 1010 1180 1680  
 1600 0940 0990 1170 1680  
 1800 0520 0540 0630 0890  
 2000 0400 0420 0490 0700  
 2200 0350 0350 0410 0560  
 2400 0360 0370 0420 0560  
 0200 0380 0390 0450 0660  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0690 0740 0900 1330  
 = AR



**4735 kHz, 25-11, 0800 UTC**

VVVVV PROMRCh = 25 11 =  
 1000 0870 0920 1100 1600  
 1200 0950 1000 1170 1680  
 1400 0950 1000 1160 1660  
 1600 0930 0980 1160 1670  
 1800 0510 0530 0620 0870  
 2000 0400 0420 0490 0700  
 2200 0350 0360 0410 0560  
 0000 0360 0370 0410 0560  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0690 0740 0890 1330  
 = ABV =  
 VVVVV PROMRCh = 25 11 =  
 1000 0870 0920 1100 1600  
 1200 0950 1000 1170 1680  
 1400 0950 1000 1160 1660  
 1600 0930 0980 1160 1670  
 1800 0510 0530 0620 0870  
 2000 0400 0420 0490 0700  
 2200 0350 0360 0410 0560  
 0000 0360 0370 0410 0560  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0690 0740 0890 1330  
 = AR

**4735 kHz, 28-11, 0800 UTC**

VVVVV PROMRCh = 28 11 =  
 1000 0850 0900 1170 1570  
 1200 0910 0960 1130 1640  
 1400 0910 0960 1120 1610  
 1600 0880 0940 1110 1620  
 1800 0470 0500 0580 0830  
 2000 0390 0410 0480 0680  
 2200 0340 0350 0410 0560  
 0000 0360 0370 0420 0560  
 0200 0390 0400 0450 0600  
 0400 0080 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0670 0720 0870 1300  
 = ABV  
 VVVVV PROMRCh = 28 11 =  
 1000 0850 0900 1170 1570  
 1200 0910 0960 1130 1640  
 1400 0910 0960 1120 1610  
 1600 0880 0940 1110 1620  
 1800 0470 0500 0580 0830  
 2000 0390 0410 0480 0680  
 2200 0340 0350 0410 0560  
 0000 0360 0370 0420 0560  
 0200 0390 0400 0450 0600  
 0400 0080 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0670 0720 0870 1300  
 = AR

**4735 kHz, 26-11, 0800 UTC**

VVV VVV PROMRCh = 26 11 =  
 1000 0860 0920 1090 1590  
 1200 0930 0980 1150 1700  
 1400 0930 0980 1150 1630  
 1600 0910 0960 1140 1650  
 1800 0500 0520 0610 0860  
 2000 0400 0420 0490 0690  
 2200 0350 0360 0410 0560  
 0000 0360 0370 0410 0560  
 0200 0380 0300 0430 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0680 0720 0890 1320  
 = ABV  
 VVV VVV PROMRCh = 26 11 =  
 1000 0860 0920 1090 1590  
 1200 0930 0980 1150 1700  
 1400 0930 0980 1150 1630  
 1600 0910 0960 1140 1650  
 1800 0500 0520 0610 0860  
 2000 0400 0420 0490 0690  
 2200 0350 0360 0410 0560  
 0000 0360 0370 0410 0560  
 0200 0380 0300 0430 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0580  
 0800 0680 0720 0890 1320  
 = AR

**4735 kHz, 29-11, 0807 UTC**

VVVVV PROMRCh = 29 11 =  
 1000 0840 0890 1070 1550  
 1200 0900 0950 1120 1620  
 1400 0890 0940 1100 1580  
 1600 0860 0920 1090 1590  
 1800 0460 0480 0570 0810  
 0000 0390 0410 0480 0670  
 2200 0340 0350 0400 0560  
 0000 0360 0370 0410 0550  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0590  
 0800 0660 0710 0870 1290  
 = ABV =  
 VVVVV PROMRCh = 29 11 =  
 1000 0840 0890 1070 1550  
 1200 0900 0950 1120 1620  
 1400 0890 0940 1100 1580  
 1600 0860 0920 1090 1590  
 1800 0460 0480 0570 0810  
 0000 0390 0410 0480 0670  
 2200 0340 0350 0400 0560  
 0000 0360 0370 0410 0550  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0610  
 0600 0330 0350 0410 0590  
 0800 0660 0710 0870 1290  
 = AR

**4735 kHz, 27-11, 0800 UTC**

VVVVV PROMRCh = 2711 =  
 1000 0860 0910 1080 1570  
 1200 0920 0970 1140 1630  
 1400 0930 0970 1140 1610  
 1600 0900 0950 1130 1630  
 1800 0490 0520 0600 0850  
 2000 0400 0420 0490 0690  
 2200 0350 0360 0410 0560  
 2400 0360 0370 0420 0560  
 0200 0390 0390 0450 0600  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0670 0720 0880 1310  
 = ABV  
 VVVVV PROMRCh = 2711 =  
 1000 0860 0910 1080 1570  
 1200 0920 0970 1140 1630  
 1400 0930 0970 1140 1610  
 1600 0900 0950 1130 1630  
 1800 0490 0520 0600 0850  
 2000 0400 0420 0490 0690  
 2200 0350 0360 0410 0560  
 2400 0360 0370 0420 0560  
 0200 0390 0390 0450 0600  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0580  
 0800 0670 0720 0880 1310  
 = AR

**4735 kHz, 30-11, 0800 UTC**

VVV VVV = PROMRCh = 30 11 =  
 1000 0830 0880 1060 1540  
 1200 0890 0940 1110 1600  
 1400 0880 0930 1090 1570  
 1600 0860 0910 1080 1580  
 1800 0450 0480 0560 0800  
 2000 0390 0410 0480 0680  
 2200 0340 0360 0410 0560  
 0000 0360 0370 0410 0550  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0590  
 0800 0650 0700 0860 1280  
 = ABV  
 VVV VVV = PROMRCh = 30 11 =  
 1000 0830 0880 1060 1540  
 1200 0890 0940 1110 1600  
 1400 0880 0930 1090 1570  
 1600 0860 0910 1080 1580  
 1800 0450 0480 0560 0800  
 2000 0390 0410 0480 0680  
 2200 0340 0360 0410 0560  
 0000 0360 0370 0410 0550  
 0200 0380 0390 0450 0600  
 0400 0380 0400 0450 0620  
 0600 0330 0350 0410 0590  
 0800 0650 0700 0860 1280  
 = AR

## DIGITAL MODES

### ***F01, F06, F06a, M42, M42a, M42b, X06 - Russian Government & Intelligence***

#### M42 – test transmissions

Test transmissions found by linkz, PY, T101, AB and other DXers.

9142 kHz, 15-11, 1551 UTC, PSK + PSK bursts (49s)

9142 kHz, 15-11, 1553 UTC, 10Bd 16FSK+PSK bursts. Cut off at 56s

9142 kHz, 15-11, 1605 UTC, 10Bd 16FSK+PSK bursts. Cut off at 35s

9142 kHz, 15-11, 1620 UTC, 10Bd 16FSK+PSK bursts. Cut off at 30s, back and off after 17s

9142 kHz, 15-11, 1621 UTC, 10Bd 16FSK+PSK bursts. Cut off at 8s

9142 kHz, 15-11, 1622 UTC, 10Bd 16FSK+PSK bursts. Cut off at 12s

9142 kHz, 15-11, 1629 UTC, 20Bd 16FSK. Cut off at 11s, back and off after 18s

9142 kHz, 15-11, 1632 UTC, 5x10Bd 16FSK+PSK bursts. Cut off at 1m10s

9142 kHz, 15-11, 1635 UTC, PSK. No callup. Off at 36s

9142 kHz, 15-11, 1637 UTC, PSK. No callup. (28s)

9142 kHz, 15-11, 1638 UTC, PSK. No callup. Cut off at 37s

9142 kHz, 15-11, 1640 UTC, PSK. No callup.

9142 kHz, 15-11, 1642 UTC, PSK. No callup. Cut off at 40s

11431 kHz, 16-11, 1057 UTC, 2-tones. 5-second two-tone callup, broken up and cut off

11431 kHz, 16-11, 1100 UTC, 5x16FSK+PSK bursts. Off at 3m58s

11431 kHz, 16-11, 1110 UTC, 5x16FSK+PSK bursts. Off at 20s

11431 kHz, 16-11, 1114 UTC, FSK 40Bd/640Hz reversals. Test. Serdolik callup?

11431 kHz, 16-11, 1130 UTC, PSK (52s)

11431 kHz, 16-11, 1133 UTC, PSK+PSK bursts (1m02s)

These schedules were preceded by X06b

5112 kHz, 20-11, 1301 UTC, MKSK-6	111666 (before UTC, test at 1550z)
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5112 kHz, 20-11, 1307 UTC, MKSK-6	111666 (before UTC, test at 1550z)
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5112 kHz, 20-11, 1550 UTC, PSK	Message (23s)
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5112 kHz, 23-11, 1413 UTC, MKSK-6	111666 (before UTC, test at 1500z), 1417z: 465132 (Russian embassy Sofia)
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5848 kHz, 23-11, 1413 UTC, MKSK-6	111666 (before UTC, test at 1500z), also at 1417z
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6821 kHz, 23-11, 1414 UTC, MKSK-6	111666 (before UTC, test at 1500z), also at 1418z
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7504 kHz, 23-11, 1415 UTC, MKSK-6	111666 (before UTC, test at 1500z), also at 1418z
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8074 kHz, 23-11, 1415 UTC, MKSK-6	111666 (before UTC, test at 1500z), also at 1419z
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8136 kHz, 23-11, 1416 UTC, MKSK-6	111666 (before UTC, test at 1500z), also at 1420z
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8136 kHz, 23-11, 1500 UTC, PSK	Message (24s)
--------------------------------	---------------

8074 kHz, 23-11, 1510 UTC, PSK	Message (24s)
--------------------------------	---------------

7504 kHz, 23-11, 1520 UTC, PSK	Message (24s)
--------------------------------	---------------

6821 kHz, 23-11, 1530 UTC, PSK	Message (24s)
--------------------------------	---------------

5848 kHz, 23-11, 1540 UTC, PSK	Message (24s)
--------------------------------	---------------

5112 kHz, 23-11, 1550 UTC, PSK	Message (24s)
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Was it a revealing mistake that for the second X06 pass before that experiment cycle, instead of the usual generic X06b 111666, they transmitted X06 465132, an actual scale corresponding to the Russian embassy in Sofia? Was the signal much weaker because they changed the antenna's direction for it? The embassy in Sofia was involved in two-way experiments of new Serdolik waveforms in 2018; does this mean it's involved in experiments of these one-way digital modes too?

10256 kHz, 22-11, 0816 UTC, XPA1, MFSK-20/10Bd. 1000Hz tone then XPA callup, audio glitches then cut off at 54s

10256 kHz, 22-11, 0819 UTC, XPA1, MFSK-10/10Bd. Mangled preamble, strange short contents 15979888846891, audio stutters at the end

10256 kHz, 22-11, 0901 UTC, XPA2, MFSK-16/20Bd. Inverted callup tones, strange short contents  
3646664646464646468999999999211, audio stutters at the end  
10256 kHz, 22-11, 0912 UTC, MFSK-16/20Bd. Audio glitch at 1m in callup, short contents 40256 51968 15978 46891, audio stutters at the end

10256 kHz, 22-11, 1037 UTC, XPA2, MFSK-16/20Bd. 1000Hz tone, 10s callup.  
Null message: 08311 00001 00000 10040, audio stutters at the end

10256 kHz, 22-11, 1053 UTC, PSK. 1000Hz tone then PSK (23s), audio stutter at the end  
10256 kHz, 22-11, 1057 UTC, 5x16FSK+PSK bursts. Message (20s)

10256 kHz, 22-11, 1101 UTC, E07     123 123 123 1 (4x) 12 cut off, audio stutter at the end. E06's voice and wrong pacing and spacing

10257 kHz, 22-11, 1147 M12,             123 123 123 1 (3x) 123 123 12 cut off, audio stutter at the end  
10256 kHz, 22-11, 1155 M12             123 123 123 1 123 123 cut off

10256 kHz, 22-11, 1204 UTC, XPB, MFSK-16/16Bd. Off at 9s  
10256 kHz, 22-11, 1205 UTC, XPB, MFSK-16/16Bd. Message (3m40s, audio stutter at the end)

The following cycles found and monitored in collaboration with radiotekhnikaT101. First, every 10 minutes all day long during 3 days:

9071 kHz, 23-11, 0700 UTC, 5x16FSK+PSK bursts  
9053 kHz, 23-11, 0710 UTC, 5x16FSK+PSK bursts  
8088 kHz, 23-11, 0720 UTC, 5x16FSK+PSK bursts Unconfirmed  
8194 kHz, 23-11, 0730 UTC, 5x16FSK+PSK bursts  
7762 kHz, 23-11, 0740 UTC, 5x16FSK+PSK bursts  
7461 kHz, 23-11, 0750 UTC, 5x16FSK+PSK bursts

10352 kHz, 23-11, 0800 UTC, 5x16FSK+PSK bursts  
10171 kHz, 23-11, 0810 UTC, 5x16FSK+PSK bursts  
9399 kHz, 23-11, 0820 UTC, 5x16FSK+PSK bursts  
9138 kHz, 23-11, 0830 UTC, 5x16FSK+PSK bursts  
8192 kHz, 23-11, 0840 UTC, 5x16FSK+PSK bursts  
7551 kHz, 23-11, 0850 UTC, 5x16FSK+PSK bursts

11156 kHz, 23-11, 0900 UTC, 5x16FSK+PSK bursts  
10824 kHz, 23-11, 0910 UTC, 5x16FSK+PSK bursts  
10221 kHz, 23-11, 0920 UTC, 5x16FSK+PSK bursts  
9381 kHz, 23-11, 0930 UTC, 5x16FSK+PSK bursts  
9048 kHz, 23-11, 0940 UTC, 5x16FSK+PSK bursts  
8053 kHz, 23-11, 0950 UTC, 5x16FSK+PSK bursts

11487 kHz, 23-11, 1000 UTC, 5x16FSK+PSK bursts  
10881 kHz, 23-11, 1010 UTC, 5x16FSK+PSK bursts  
10366 kHz, 23-11, 1020 UTC, 5x16FSK+PSK bursts  
9303 kHz, 23-11, 1030 UTC, 5x16FSK+PSK bursts  
8166 kHz, 23-11, 1040 UTC, 5x16FSK+PSK bursts  
7664 kHz, 23-11, 1050 UTC, 5x16FSK+PSK bursts

11526 kHz, 23-11, 1100 UTC, 5x16FSK+PSK bursts  
11022 kHz, 23-11, 1110 UTC, 5x16FSK+PSK bursts  
10421 kHz, 23-11, 1120 UTC, 5x16FSK+PSK bursts  
9923 kHz, 23-11, 1130 UTC, 5x16FSK+PSK bursts  
9081 kHz, 23-11, 1140 UTC, 5x16FSK+PSK bursts  
8164 kHz, 23-11, 1150 UTC, 5x16FSK+PSK bursts

10758 kHz, 23-11, 1200 UTC, 5x16FSK+PSK bursts  
9911 kHz, 23-11, 1210 UTC, 5x16FSK+PSK bursts  
9267 kHz, 23-11, 1220 UTC, 5x16FSK+PSK bursts  
7902 kHz, 23-11, 1230 UTC, 5x16FSK+PSK bursts  
6888 kHz, 23-11, 1240 UTC, 5x16FSK+PSK bursts  
5821 kHz, 23-11, 1250 UTC, 5x16FSK+PSK bursts

9181 kHz, 23-11, 1300 UTC, 5x16FSK+PSK bursts  
8121 kHz, 23-11, 1310 UTC, 5x16FSK+PSK bursts  
7531 kHz, 23-11, 1320 UTC, 5x16FSK+PSK bursts  
6791 kHz, 23-11, 1330 UTC, 5x16FSK+PSK bursts  
5261 kHz, 23-11, 1340 UTC, 5x16FSK+PSK bursts  
4776 kHz, 23-11, 1350 UTC, 5x16FSK+PSK bursts

8121 kHz, 23-11, 1400 UTC, 5x16FSK+PSK bursts  
8021 kHz, 23-11, 1410 UTC, 5x16FSK+PSK bursts  
7464 kHz, 23-11, 1420 UTC, 5x16FSK+PSK bursts  
6781 kHz, 23-11, 1430 UTC, 5x16FSK+PSK bursts  
5814 kHz, 23-11, 1440 UTC, 5x16FSK+PSK bursts  
5303 kHz, 23-11, 1450 UTC, 5x16FSK+PSK bursts

6914 kHz, 23-11, 1500 UTC, 5x16FSK+PSK bursts  
6777 kHz, 23-11, 1510 UTC, 5x16FSK+PSK bursts  
5893 kHz, 23-11, 1520 UTC, 5x16FSK+PSK bursts  
5412 kHz, 23-11, 1530 UTC, 5x16FSK+PSK bursts  
4892 kHz, 23-11, 1540 UTC, 5x16FSK+PSK bursts  
4569 kHz, 23-11, 1550 UTC, 5x16FSK+PSK bursts

9071 kHz, 24-11, 0700 UTC, 5x16FSK+PSK bursts  
9053 kHz, 24-11, 0710 UTC, 5x16FSK+PSK bursts  
8088 kHz, 24-11, 0720 UTC, 5x16FSK+PSK bursts  
8194 kHz, 24-11, 0730 UTC, 5x16FSK+PSK bursts  
7762 kHz, 24-11, 0740 UTC, 5x16FSK+PSK bursts  
7461 kHz, 24-11, 0750 UTC, 5x16FSK+PSK bursts

10352 kHz, 24-11, 0800 UTC, 5x16FSK+PSK bursts  
10171 kHz, 24-11, 0810 UTC, 5x16FSK+PSK bursts  
9399 kHz, 24-11, 0820 UTC, 5x16FSK+PSK bursts  
9138 kHz, 24-11, 0830 UTC, 5x16FSK+PSK bursts  
8192 kHz, 24-11, 0840 UTC, 5x16FSK+PSK bursts  
7551 kHz, 24-11, 0850 UTC, 5x16FSK+PSK bursts

11156 kHz, 24-11, 0900 UTC, 5x16FSK+PSK bursts  
10824 kHz, 24-11, 0910 UTC, 5x16FSK+PSK bursts  
10221 kHz, 24-11, 0920 UTC, 5x16FSK+PSK bursts  
9381 kHz, 24-11, 0930 UTC, 5x16FSK+PSK bursts  
9048 kHz, 24-11, 0940 UTC, 5x16FSK+PSK bursts  
8053 kHz, 24-11, 0950 UTC, 5x16FSK+PSK bursts

11487 kHz, 24-11, 1000 UTC, 5x16FSK+PSK bursts  
10881 kHz, 24-11, 1010 UTC, 5x16FSK+PSK bursts  
10366 kHz, 24-11, 1020 UTC, 5x16FSK+PSK bursts  
9303 kHz, 24-11, 1030 UTC, 5x16FSK+PSK bursts  
8166 kHz, 24-11, 1040 UTC, 5x16FSK+PSK bursts  
7664 kHz, 24-11, 1050 UTC, 5x16FSK+PSK bursts

11526 kHz, 24-11, 1100 UTC, 5x16FSK+PSK bursts  
11022 kHz, 24-11, 1110 UTC, 5x16FSK+PSK bursts  
10421 kHz, 24-11, 1120 UTC, 5x16FSK+PSK bursts  
9923 kHz, 24-11, 1130 UTC, 5x16FSK+PSK bursts  
9081 kHz, 24-11, 1140 UTC, 5x16FSK+PSK bursts  
8164 kHz, 24-11, 1150 UTC, 5x16FSK+PSK bursts

10758 kHz, 24-11, 1200 UTC, 5x16FSK+PSK bursts  
9911 kHz, 24-11, 1210 UTC, 5x16FSK+PSK bursts  
9267 kHz, 24-11, 1220 UTC, 5x16FSK+PSK bursts  
7902 kHz, 24-11, 1230 UTC, 5x16FSK+PSK bursts  
6888 kHz, 24-11, 1240 UTC, 5x16FSK+PSK bursts  
5821 kHz, 24-11, 1250 UTC, 5x16FSK+PSK bursts

9181 kHz, 24-11, 1300 UTC, 5x16FSK+PSK bursts  
8121 kHz, 24-11, 1310 UTC, 5x16FSK+PSK bursts  
7531 kHz, 24-11, 1320 UTC, 5x16FSK+PSK bursts  
6791 kHz, 24-11, 1330 UTC, 5x16FSK+PSK bursts  
5261 kHz, 24-11, 1340 UTC, 5x16FSK+PSK bursts  
4776 kHz, 24-11, 1350 UTC, 5x16FSK+PSK bursts

8121 kHz, 24-11, 1400 UTC, 5x16FSK+PSK bursts  
8021 kHz, 24-11, 1410 UTC, 5x16FSK+PSK bursts  
7464 kHz, 24-11, 1420 UTC, 5x16FSK+PSK bursts  
6781 kHz, 24-11, 1430 UTC, 5x16FSK+PSK bursts  
5814 kHz, 24-11, 1440 UTC, 5x16FSK+PSK bursts  
5303 kHz, 24-11, 1450 UTC, 5x16FSK+PSK bursts

6914 kHz, 24-11, 1500 UTC, 5x16FSK+PSK bursts  
6777 kHz, 24-11, 1510 UTC, 5x16FSK+PSK bursts  
5893 kHz, 24-11, 1520 UTC, 5x16FSK+PSK bursts  
5412 kHz, 24-11, 1530 UTC, 5x16FSK+PSK bursts  
4892 kHz, 24-11, 1540 UTC, 5x16FSK+PSK bursts  
4569 kHz, 24-11, 1550 UTC, 5x16FSK+PSK bursts

9071 kHz, 25-11, 0700 UTC, 5x16FSK+PSK bursts  
9053 kHz, 25-11, 0710 UTC, 5x16FSK+PSK bursts  
8088 kHz, 25-11, 0720 UTC, 5x16FSK+PSK bursts //8707 kHz  
8707 kHz, 25-11, 0720 UTC, 5x16FSK+PSK bursts //8088 kHz  
8194 kHz, 25-11, 0730 UTC, 5x16FSK+PSK bursts  
7762 kHz, 25-11, 0740 UTC, 5x16FSK+PSK bursts  
7461 kHz, 25-11, 0750 UTC, 5x16FSK+PSK bursts

10352 kHz, 25-11, 0800 UTC, 5x16FSK+PSK bursts  
10171 kHz, 25-11, 0810 UTC, 5x16FSK+PSK bursts  
9399 kHz, 25-11, 0820 UTC, 5x16FSK+PSK bursts  
9138 kHz, 25-11, 0830 UTC, 5x16FSK+PSK bursts  
8192 kHz, 25-11, 0840 UTC, 5x16FSK+PSK bursts  
7551 kHz, 25-11, 0850 UTC, 5x16FSK+PSK bursts

11156 kHz, 25-11, 0900 UTC, 5x16FSK+PSK bursts  
10824 kHz, 25-11, 0910 UTC, 5x16FSK+PSK bursts  
10221 kHz, 25-11, 0920 UTC, 5x16FSK+PSK bursts  
9381 kHz, 25-11, 0930 UTC, 5x16FSK+PSK bursts  
9048 kHz, 25-11, 0940 UTC, 5x16FSK+PSK bursts  
8053 kHz, 25-11, 0950 UTC, 5x16FSK+PSK bursts

11487 kHz, 25-11, 1000 UTC, 5x16FSK+PSK bursts  
10881 kHz, 25-11, 1010 UTC, 5x16FSK+PSK bursts  
10366 kHz, 25-11, 1020 UTC, 5x16FSK+PSK bursts  
9303 kHz, 25-11, 1030 UTC, 5x16FSK+PSK bursts  
8166 kHz, 25-11, 1040 UTC, 5x16FSK+PSK bursts  
7664 kHz, 25-11, 1050 UTC, 5x16FSK+PSK bursts

11526 kHz, 25-11, 1100 UTC, 5x16FSK+PSK bursts  
11022 kHz, 25-11, 1110 UTC, 5x16FSK+PSK bursts  
10421 kHz, 25-11, 1120 UTC, 5x16FSK+PSK bursts  
9923 kHz, 25-11, 1130 UTC, 5x16FSK+PSK bursts  
9081 kHz, 25-11, 1140 UTC, 5x16FSK+PSK bursts  
8164 kHz, 25-11, 1150 UTC, 5x16FSK+PSK bursts

10758 kHz, 25-11, 1200 UTC, 5x16FSK+PSK bursts  
9911 kHz, 25-11, 1210 UTC, 5x16FSK+PSK bursts  
9267 kHz, 25-11, 1220 UTC, 5x16FSK+PSK bursts  
7902 kHz, 25-11, 1230 UTC, 5x16FSK+PSK bursts  
6888 kHz, 25-11, 1240 UTC, 5x16FSK+PSK bursts

5821 kHz, 25-11, 1250 UTC, 5x16FSK+PSK bursts

9181 kHz, 25-11, 1300 UTC, 5x16FSK+PSK bursts  
8121 kHz, 25-11, 1310 UTC, 5x16FSK+PSK bursts  
7531 kHz, 25-11, 1320 UTC, 5x16FSK+PSK bursts  
6791 kHz, 25-11, 1330 UTC, 5x16FSK+PSK bursts  
5261 kHz, 25-11, 1340 UTC, 5x16FSK+PSK bursts  
4776 kHz, 25-11, 1350 UTC, 5x16FSK+PSK bursts

8121 kHz, 25-11, 1400 UTC, 5x16FSK+PSK bursts  
8021 kHz, 25-11, 1410 UTC, 5x16FSK+PSK bursts  
7464 kHz, 25-11, 1420 UTC, 5x16FSK+PSK bursts  
6781 kHz, 25-11, 1430 UTC, 5x16FSK+PSK bursts  
5814 kHz, 25-11, 1440 UTC, 5x16FSK+PSK bursts  
5303 kHz, 25-11, 1450 UTC, 5x16FSK+PSK bursts

6914 kHz, 25-11, 1500 UTC, 5x16FSK+PSK bursts  
6777 kHz, 25-11, 1510 UTC, 5x16FSK+PSK bursts  
5893 kHz, 25-11, 1520 UTC, 5x16FSK+PSK bursts  
5412 kHz, 25-11, 1530 UTC, 5x16FSK+PSK bursts  
4892 kHz, 25-11, 1540 UTC, 5x16FSK+PSK bursts  
4569 kHz, 25-11, 1550 UTC, 5x16FSK+PSK bursts

#### M42 – digital modes

8088 kHz, 16-11, 1740 UTC, MFSK-11/125Bd/250Hz  
8088 kHz, 16-11, 1750 UTC, MFSK-11/125Bd/250Hz  
10661 kHz, 22-11, 0730 UTC, OFDM-60. Russian domestic net. Operator chat followed by OFDM data traffic  
9135 kHz, 23-11, 0720 UTC, 2x 62.5Bd QPSK  
9138 kHz, 23-11, 0830 UTC, 5x10Bd 16FSK+250Bd BPSK  
8192 kHz, 24-11, 0840 UTC, 5x10Bd 16FSK+250Bd BPSK  
10221 kHz, 24-11, 0920 UTC, 5x10Bd 16FSK+250Bd BPSK  
7664 kHz, 25-11, 1052 UTC, 5x10Bd 16FSK+250Bd BPSK  
11487 kHz, 25-11, 1000 UTC, 5x10Bd 16FSK+250Bd BPSK  
18376 kHz, 30-11, 1130 UTC MFSK-11/125Bd/250Hz  
18376 kHz, 30-11, 1140 UTC, MFSK-11/125Bd/250Hz  
18376 kHz, 30-11, 1150 UTC, MFSK-11/125Bd/250Hz  
18376 kHz, 30-11, 1200 UTC, MFSK-11/125Bd/250Hz

#### M42 – RTTY

##### **16156 kHz, 03-11, 1300 UTC, FSK 100/500 + FSK CW**

VVV VVV  
UAL UAL UAL  
QSA4 QSA? K  
QRQ 75 QBN K  
BK QRV K  
AB 100 K  
AB 100 AB 100 K  
AA 250 AA 250 K  
QSL1 QTC1 K  
QSL1 K  
RPT K  
OK QRQ 75 K

11100 70103 56821 03144 04009  
78233 66296 33992 81003 41763 14228 45681 02615 80779 39793  
04361 42377 70778 50085 80\_\_\_\_6238 70453 01997 14802 43056  
74462 52012 16598 19919 44578 63529 38538 497\_7 \_\_071 88771  
68547 27115 21498 71393 86600 01235 09694 36955 20793 16043  
89688 54094 35210 36311 54808 14135 79398 45738 87632 23005  
29014 27951 079\_4 144\_9 92\_02 66351 1\_449 \_\_\_\_82 7277\_ 43748  
34998 54721 03528 87710 80300 81233 98900 92587 04578 51190

87144 \_4119 63962 07438 18398 77583 02674 35201 64474 25418  
34869 90107 52703 55251 28551 86462 01065 64281 81209 44211  
\_\_077 \_4942 21891 18040 85486 29781 79304 57035 63401 \_07\_\_  
\_0177 070\_\_ 89299 77183 93036 83306 58844 28292 13443 49392  
08266 64007 03316 96554 39617 31193 54963 51257 84809 62329  
70407 96731 00604 19205 23681 02853 100\_\_ 77337 26307 74079  
44368 62046 \_2151 88906 17142 72135 98838 29248 88\_78 087\_\_  
\_\_\_\_ 44444 44498 05916 1\_\_08 15\_24 78587  
\_\_373 35677 47145 42121 94653 17981 24860 70180 74860 30953  
11437 21710 76016 05753 87844 02402 05864 52440 36193 56870  
32753 14219 54696 62195 47142 43647 82495 70790 69671 11766  
89028 76022 73004 86071 07649 99019 09632 38271 18157 20110  
62817 67763 07955 03331 62876 51781 66497 87435 35970 58126  
92731 41845 77615 81443 20215 10977 68081 88970 89591 95391  
71869 86685 23124 43196 88465 41820 80960 50129 46547 22642  
03832 91788 58837 41469 71854 36412 79786 11839 34143 11672  
33279 55781 88903 23907 02540 22119 18706 53229 99445 17484  
10621 72960 55407 50823 15907 66801 01030 57794 28932 42216  
26726 15223 90025 63426 46472 82329 41942 52483 71903 49194  
94627 31836 68920 38557 77966 06851 14007 06153 87216 11696  
42442 25523 50796 67057 25594 68230 75130 23097 79484 15426  
46229 86107 91804 61704 92692 52297 84586 97169 39836 97137  
54692 78679 09607 93717 59337 26169 45992 58536 38811 05019  
70607 48180 93592 80399 98141 55308 58054 54517 66358 77401  
37928 22712 60329 56693 03736 09339 35601 14736 57357 69375  
69968 30032 13932 66689 98552 32167 66286 64892 11866 10886  
24060 91751 21553 63548 44731 63046 23496 29400 98721 76862  
12967 84098 35773 14209 31525 92926 44782 06943 50330 46141  
**24274 58896 19582 24884 05714 31178 38746 71097 96833 27569**  
**27283 59881 37173 40947 00539 97729 83002 46693 80507 95082**  
**63843 54001 96145 86631 77743 51039 52917 97821 17519 04895**  
**76271** 80972 45140 02242 58732 69474 56041 41666 65284 23486  
03321 13599 76754 65571 65881 287\_\_ 75862 29717 90866

QRV? K

Repeats part of the message:

**24274 58896 19582 24884 05714 31178 38746 71097 96833 27569**  
**27283 59881 37173 40947 00539 97729 83002 46693 80507 95082**  
**63843 54001 96145 86631 77743 51039 52917 97821 17519 04895**  
**76271**

RPT K  
RPT K  
CFM AS  
SK

**16156 kHz, 10-11, 1300 UTC, FSK 140/500 + FSK CW**

UAL UAL UAL  
OUQ RX 75 QBN K  
BK K  
RPT AA 80 K  
AA 80 K  
BK  
UUX RX 15 K

RYYRYRYRYRYRYRYRYRYRY  
RTTY mostly unreadable

CFM NIL SK

79327 57317 09395 72147 81342 47593 20659 22327 73709

SK



**16156 kHz, 24-11, 1300 UTC, FSK 150/500 + FSK CW**

UAL UAL UAL

BK QSA4 QRU? K

QBN K

K K

BK

RPT AGN K

QSL1 K

QTC1 K

RY in FSK 75Bd/500Hz, message in FSK 150Bd/500Hz

11100 70103 98457 24157 04009

97885 17864 24051 70782 29907 10411 50051 22478 23722 90455

76531 43087 52476 86117 30977 79483 72778 66636 65612 97940

16753 71415 46385 47797 04119 39172 42435 27568 66480 98111

20746 76924 01004 00304 75651 43001 95678 30639 47898 94450

93354 67946 12947 81691 86726 56481 43194 66-85 61469 76447

73814 71381 29702 82855 26899 16158 20975 29193 73580 50+18

22962 39641 38840 93852 89044 15756 78672 43125 54984 88560

84305 09708 31857 51987 93150 94414 67451 38606 00112 17854

93305 23569 76473 56657 99582 67723 18402 58706 04961 35816

92525 35800 13729 50738 95495 57207 77721 69735 00989 9?530

02198 93536 93585 77321 72077 44325 13372 99896 75348 73496

27487 32-73 56214 85136 46771 57175 30924 86164 09116 54042

36581 990-0 86906 59983 04637 98187 12138 11604 76297 55439

48890 26653 02003 06494 67865 95422 921\_6 73267 02650 80840

11434 03718 92409 5\_\_\_2 33435 14848 40700 90402 98567 49884

45072 69831 41653 85543 77169 62504 81855 50337 18001 40722

91987 39848 78074 94992 89397 39918 57084 51205 15630 32034

22838 84011 9\_032 73392 \_2\_01 49820 03521 42964 97066 87870

47667 22152 30116 62798 91308 88387 16574 4\_157 51\_67 77096

50134 67304 25560 66503 82653 61111 69692 57862 68993 20929

11223 87009 68601 20237 73781 28228 08517 47431 40336 76310

37490 95171 93687 1\_799 25907 78732 01990 27318 92191 81802

41466 49936 53399 53153 73537 55511 50654 02634 18510 75936

69157 69911 93055 61239 67419 64407 03633 15462 99422 99860

13058 982\_1 66401 71962 2?62\_0 \_\_\_22 1912 52484 35452 48610

19907 98359 97760 41893 80467 99136 27751 03539 52912 11248

81784 61318 80951 52536 20539 50930 79581 55474 68849 83915

18400 02506 86176 68797 71043 91960 89923 96371 85417 07968

98762 25105 54416 92\_14 88167 27564 91825 45183 75349 83816

43078 92700 75763 32744 85565 12247 98392 77703 98190 96453

72005 83967 04840 89827 19494 24399 21474 42947 22634 66772

61515 50\_08 44303 56203 79229 25213 00421 83102 57773 70285

98788 46135 57614 66806 87000 42\_14 22001 81552 76668 47742

49162 54423 35992 67558 05947 35348 68124 78149 70560 26766

1\_256 35503 73115 05096 69765 67868 11668 19664 42564 86245

48419 92496 75842 16851 15796 67439 72390 66492 87070 82021

50699 56792 91225 60522 04007 88191 76737 51654 82495 19685

53983 59321 4019\_75209 70937 39880 18156 12630 01866 64338

42955 16265 53688 68934 79591 98881 19710 42535 59095 24104

35403 24287 61153 85161 15920 09955 39565 00933 80042

VVV RPT K

QRZ QDG2 QSA? K

CFM K

NIL SK



25451 90638 54184 60847 94662 84445 23318 79742 40682 81743 =50=  
27803 19019 86427 39193 40856 30148 48050 83465 38474 91232  
01968 86353 98061 21136 13176 31513 02657 28922 68206 94632  
58672 60958 48160 24901 49456 30994 69315 17968 69132 24181  
70932 05729 83107 06397 40800 99977 99182 95+87 03419 72850  
28933 01107 11233 42789 59603 75048 53342 02215 50085 01961 =100=  
-0947

**10965 kHz, 18-11, 0955 UTC, FSK 50/500 + CW**

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

CFM NIL K  
OK QRX 2240 QRX 2240 K  
AR

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

CFM QSL? K  
ZVP K  
BK BK QRV K  
K  
R 405 3002 K



CFM QRU? K  
ZVP K  
QRV K K  
R 930 1458 K  
QRX 22555 QRX 22555 K  
CFM AR

K4MT K4MT K4MT DE NT9P NT9P K  
QSA4 QRU? K  
ZVP K  
BK BK QRV K  
ZVP K  
ZVP K  
BK BK QRV K K  
R 116 1455 K  
QTC1 ZZC K

CFM NIL K  
OK QEX 22555 QRX 22555 K  
AR

9206 kHz was too weak to copy  
K4MT K4MT K4MT DE NT9P NT9P K  
QSA4 QRU? K  
ZVP K  
BK BK QRV K  
K  
R 117 1523 K  
RPT K  
QTC1 ZZC K

931 100 18 1519 6884=  
93582 59401 85641 83270 39165 07366 55305 47842 98233 25461  
47225 40956 27077 06819 83938 95722 28671 04100 46740 48674  
11517 47986 38673 84247 36511 88783 54770 66058 42837 94805  
84648 09990 08402 85061 05116 79397 98460 37215 81152 61269  
82882 65370 43489 07275 37006 76502 13710 26799 07649 43388 =50=  
64240 17040 41353 70901 75419 09361 40879 06006 23361 31729  
20756 12615 73364 92467 56551 47926 31019 81524 99495 74600  
84670 82575 48237 34430 46227 17220 21941 99838 79745 96748  
92265 38900 33092 15849 21090 22586 75419 48563 58518 72695  
37530 98415 10436 28405 84391 09022 85209 21727 00943 61810 =100=  
-1527=

CFM NIL K  
OK QRX 22635 QRX 22635 K  
AB

**9206 kHz was too weak to copy**  
K4MT K4MT K4MT DE NT9P NT9P K  
QSA4 QRU? K  
ZVP K  
BK BK QRV K  
RPT K  
RPT K  
RPT K  
K  
R 166 1603 K  
QTC1 ZZC K

932 100 18 1534 4383 =  
68592 28066 42612 18988 09272 60625 69484017122 72344 44550  
70377 52007 43254 21879 87891 06489 12602 07680 24464 81042  
10883 14703 58352 71035 40344 26692 86340 51242 96442 19089  
23206 97663 66021 12554 68975 56259 78231 68830 46924 83002  
54338 29290 88340 87954 28814 54529 18188 61922 35660 55180 =50=  
71782 19536 18678 57848 31887 32016 93668 08194 68482 72464  
52773 95841 06694 18380 85461 93733 47532 73202 90723 49717  
47709 06900 82268 62529 86959 75662 37932 92660 99959 06426  
02872 71683 27720 79862 23800 49405 53951 23424 92853 88790  
35243 66202 67818 68209 04012 33778 67454 77232 87700 53637 =100=  
-1606=

CFM NIL K  
OK QRX 22675 QRX 22675 K  
AR

9206 kHz was too weak to copy  
K4MT K4MT K4MT DE NT9P NT9P K  
QSA4 QRU? K  
ZVP K  
BK BK QRV K  
K  
R 187 1643 K  
QTC1 ZZZ K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

CFM NIL K  
RPT K  
OK QRX 22835 QRX 22835 K  
AR

NT9P NT9P NT9P  
QSA4 QTC1 ZZC K

CFM NIL QRU? K  
ZVP K  
BK BK QRV K  
RPT K  
K  
R 515 0813 K  
NIL K  
SK

9206 kHz, 24-11, 1145 UTC, FSK 50/500 + CW  
**10965 kHz not heard**  
 NT9P NT9P NT9P DE K4MT K4MT K  
 QSA4 QSA? K  
 RPT K  
 QSA4? K  
 BK BK NT9P NT9P NT9P DE K4MT K4MT K

CFM QRU? K  
ZVP K  
BK BK QRV K  
K  
R 334 1157 K  
NIL SK

WV ?  
NT9P NT9P NT9P DE K4MT K4MT K  
NT9P NT9P NT9P DE K4MT K4MT K  
QSA4 QSA? K  
ZVP K  
BK BK QRV K  
K  
R 732 1100 K  
QTC1 ZZC K

CFM NIL SK

F01 – FSK 200/500

[illegible]





94022 00918 57650 12888 73353 54011 58736 63489 87643 09127  
38886 18263 87398 16141 09183 16101 59433 45912 82882 93080  
08135 15374 94619 47255 23159 44750 80260 06665 63236 95345  
59588 11507 10781 61338 89007 46410 76986 14006 76449 83732  
62101 21842 75685 23842 00558 94981 02209 43303 45664 27382  
37894 86913 73529 35198 16610 64521 10906 14780 07979 38568  
16664 68744 41467 13295 71548 73546 37994 61538 55933 86992  
41252 50069 20251 19130 65914 49402 77784 14961 04931 39009  
74508 22401 63092 43890 15671 43936 09048 63422 53799 95401  
62973 78435 67820 20336 62063 47446 87983 33331 71053 27986  
46264 90829 29939 83972 56953 12795 56093 65048 57103 03704  
42972 68829 61527 46289 22577 22004 12038 66478 83885 41211  
25604 92950 64421 59653 71136 59776 57158 30356 29557 25543  
99941 42030 16865 07440 39617 08477 74881 53703 88057 17449  
59352 02896 12268 49942 80099 03429 25759 05814 72920 91776  
73384 96704 07903 52825 26813 92169 63856 10783 32842 29980  
23550 24096 81724 26511 69431 82805 87705 48178 84522 31784  
98952 29834 88180 68288 79065 51082 61413 87263 27364 06441  
41423 72846 30121 30280 90084 59486 59949 62495 66034 11138  
65518 65837 55059 91965 18784 30830 38473 26975 11937 29237  
04173 76029 21236 01995 30052 69691 79924 92552 94470 80302  
27427 61567 93460 26767 26983 43878 69356 36455 68947 33705  
80541 12685 01904 09010 66992 81191 58813 30951 91312 14055  
70355 79376 59944 54494 82678 10287 54239 90981 21719 46214  
26084 54115 71297 35440 37760 34676 57172 41003 50734 46319  
54232 45435 93057 81327 59027 82142 60068 32873 94815 29402  
28083 82218 41318 27879 85760 74293 06365 18407 00000 +++++  
+++++

**12177/10671/8024 kHz, 03-11, 1015/1025/1035 UTC**

02760 35926 29893 13000 82792 67624 18998 76311 12017 95735  
62767 77550 61729 19594 47119 67481 66581 91632 05089 40644  
21130 68886 18114 60547 99531 80221 95933 77922 40573 20229  
89795 15482 65216 05710 18643 17622 18857 55698 12980 88501  
55468 80962 06102 66939 05836 93902 27377 11564 97058 74809  
77261 94651 15506 55405 88744 28105 30417 05599 04910 69980  
20340 34412 27286 85035 69583 40998 14701 57708 26877 76695  
37296 19071 00000 00000 00000 00000 00000 00000 00000 00000

95408 29496 84811 00166 67725 68969 64887 80402 99730 40815  
71792 96183 99268 13432 68395 41221 06746 23103 82372 60224  
52325 28723 23612 54656 78454 93194 34912 54993 94915 27410  
55676 57926 58577 57778 03273 51941 95043 03219 01770 79714  
04389 72568 12712 10761 18155 18336 47640 22780 99808 07740  
67034 15122 05847 96969 95373 02829 49730 19608 06990 64670  
35835 25148 62419 43629 55615 28553 99920 23263 63157 56778  
11863 28380 72320 03208 60659 23469 42640 25946 13947 07327  
46192 50880 03681 27304 32605 65477 38851 61628 34395 14237  
26496 43224 79833 31738 80706 23477 05505 20097 00000 +++++

**12177/10671/8024 kHz, 04-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 07-11, 1015/1025/1035 UTC**

77114 20222 07181 69400 94318 96429 61705 22267 23820 89619  
55185 22897 71166 37463 00643 34825 21091 73953 94694 49305  
45759 14395 61192 97294 33429 42426 05126 12704 73449 78792  
75215 39102 58551 36538 58627 97074 90357 92312 56269 54401  
99058 28483 12071 66264 13177 25726 94723 77658 40374 10800  
55290 05195 45227 89185 09130 40490 34916 17267 15580 42323  
88759 93757 53833 09749 92533 75052 18433 53356 63514 44189  
82845 06859 77181 88114 04533 46207 31520 62934 69960 08402  
09853 51846 02998 27209 28153 45427 85119 27952 77757 98977

60872 48574 99438 46603 27029 79163 49752 76720 28869 37109  
45610 98676 12030 20106 98019 55170 03360 04167 70909 60161  
19213 78849 25999 66952 24621 36869 39641 96142 91786 60303  
02566 78121 31322 70557 38483 89806 94692 34297 02461 90308  
71271 42510 45033 85206 28476 04921 52967 74122 68403 26901  
02622 61290 99401 61109 86848 33793 46027 51009 01361 37172  
45817 08479 01517 03077 06313 92683 65449 08660 20777 82412  
24474 72398 66038 59050 46731 16023 30904 42394 84981 47252  
48577 46476 24497 43017 31510 47600 91996 37854 32145 81775  
11540 47164 77961 13727 18349 80030 54289 44677 66459 21265  
33297 51086 91171 87379 72630 71531 12216 86180 32094 83931  
88580 34656 81856 40272 60937 14854 00587 51053 42603 72432  
86966 36625 44973 87580 33032 87607 48361 72986 32757 01575  
54195 78537 24331 88205 79493 07458 89569 60068 79560 73549  
58888 51248 09846 54241 95281 30983 62906 19120 55738 04514  
41392 38639 53546 18331 53013 02698 69903 11993 38416 03756  
88287 83725 67904 64205 50018 61971 67944 12650 54442 00089  
63401 38810 52194 36373 46423 81727 04951 86613 07932 30950  
10137 61339 92646 45399 14000 24975 63579 19601 61510 39068  
86940 51967 56513 56790 73392 94809 30562 60898 36589 90785  
43897 62330 54937 25457 66979 01648 47516 50648 16030 20482  
00102 58291 41016 95197 02214 09446 89506 49953 81150 48192  
94855 91329 43921 55059 62127 31744 63032 19703 50226 93809  
67057 37507 73642 12848 21930 59795 72273 79725 13897 52348  
22745 91217 70068 41902 89672 00073 77504 55330 40309 81975  
86769 81182 70998 61590 10909 08282 18889 64873 55755 21050  
57340 89845 42538 56268 98453 13005 08702 50944 51171 73573  
97894 35986 08383 02765 75047 55356 61466 90257 27489 15412  
65711 05062 38042 94097 05065 12970 41016 64700 29617 57777  
97058 13831 64293 98455 47786 58337 12164 19478 36141 90835  
00829 56469 03405 08531 45296 04378 00359 62704 29863 04081  
98544 69134 45275 26242 78904 38918 35192 86194 57366 58998  
21413 00000 +++++ +++++

**12177/10671/8024 kHz, 08-11, 1015/1025/1035 UTC**

34583 45214 70786 57729 97857 00476 23078 06842 20248 89434  
17262 46487 70982 50101 77740 45428 02653 64258 82538 14383  
46740 53840 38962 53029 92443 93818 41765 09629 28493 40028  
06032 14164 52642 95368 91948 70969 78520 62832 63665 21755  
94541 58773 49414 14989 54542 84877 95097 42559 04857 82256  
28514 29662 77493 16108 76415 88846 04122 64386 01591 74162  
30544 08905 52145 96333 36339 52324 40187 84915 89376 09456  
92086 08357 89877 46313 37508 87904 83710 22077 00000 00000

71748 27986 25049 09375 49347 82248 43606 17999 69583 58760  
51557 28340 92501 20711 54652 93258 77878 19404 46509 41265  
45402 13891 00476 04597 58764 10215 59635 38006 63381 68730  
67149 39213 32407 52930 04121 06959 00731 18202 27154 97590  
91662 63974 22823 66117 65969 97676 21212 02682 47970 83946  
35728 00375 08369 77540 21376 15337 08506 63362 68664 05081  
35730 52064 75363 55979 84572 04650 63261 35843 63401 84518  
32144 32541 31259 60390 68160 64586 94556 08542 48774 74639  
18329 23081 00000 +++++ +++++

**12177/10671/8024 kHz, 09-11, 1015/1025/1035 UTC**

07795 07066 91856 11340 78111 42367 58720 56323 50796 16787  
46661 79426 04297 79190 58082 58066 27723 60257 47046 40853  
30606 15034 00765 98778 17595 90181 44620 94088 51539 33133  
56664 96501 53388 85318 02521 01501 12334 26669 26642 30342  
04661 63571 60844 16504 44709 77474 36075 08245 16416 76319  
08327 41957 58854 15998 34665 66019 04218 84007 60273 19812  
91676 62512 02489 97608 05562 12978 42735 52010 11290 49578  
62307 16618 87490 93559 82944 52636 77756 25751 98117 49083

10462 79403 05988 31310 60081 40548 79955 57498 48461 48067  
37742 07841 09454 10654 94955 96083 65378 82852 14051 58120  
88736 67381 84651 97317 47613 35890 96150 91276 58213 85386  
88533 89701 92954 72475 92360 58068 17577 92628 93850 46788  
55685 96656 86000 90535 04174 61577 91667 67452 47961 58067  
69578 72895 47493 81677 39168 87418 97419 40014 85218 43694  
79913 13058 28210 22030 61049 28815 71338 29203 03691 21494  
60128 40273 95310 64381 15582 08070 14203 94617 26795 70051  
82498 72055 13996 07211 79442 39379 97916 34712 13361 75695  
36463 28967 75755 60754 14595 20812 25966 92013 98378 09497  
79836 21713 89127 77149 00822 06162 38583 08429 16972 84420  
11066 45031 12239 28564 03539 29756 65529 32709 59517 19800  
35952 33008 37762 73987 17699 75778 21700 43605 12984 75974  
80500 21544 96491 33164 17750 29428 69764 97228 68665 47411  
28972 00945 31774 16354 94495 01655 46009 67032 75760 99204  
49152 56098 69772 22341 78556 13460 16769 00745 00099 30776  
61447 64913 76284 45753 93192 41042 09460 01929 63747 33127  
21049 88628 05758 09461 52772 90794 00642 35700 00769 03355  
69207 21716 18568 89835 83460 74394 49851 89902 23049 73581  
76927 05508 24761 13360 95875 20345 98541 75850 54284 32287  
08442 29715 12521 03504 41944 70551 14481 57940 16115 45383  
78743 80847 94000 28403 46073 00052 09721 40182 44211 53643  
25687 27526 55885 73792 70393 46155 00981 41350 30203 13410  
68812 90948 93582 23160 61426 71271 71212 40114 33878 90191  
40415 15704 42420 99452 87335 92740 36537 98599 45316 91030  
55764 62826 52895 91133 17232 24438 79876 58453 04868 62616  
94901 74847 96195 81174 72965 69945 87675 78982 66302 69356  
04507 42759 87103 01971 05851 16919 75470 33515 21394 30145  
51076 18576 80202 83404 71944 88266 17793 29061 48801 15720  
72368 95799 88426 26608 06150 39035 64449 46864 12741 21495  
39020 04800 96471 53670 83804 29807 34646 48811 73723 14826  
58638 72166 51889 34770 14779 89145 89171 38103 90954 42093  
86825 53734 19878 10371 95628 80447 94949 33415 49955 51025  
59656 01485 40231 88277 56440 43761 72206 95147 45982 68506  
86477 46084 32830 34954 36709 71877 58309 24427 00000 +++++  
+++++ +++++

**12177/10671/8024 kHz, 10-11, 1015/1025/1035 UTC**

45718 21421 37498 34717 75124 24427 10823 84912 04404 64575  
91556 44682 64514 75247 14545 02973 48795 41175 68658 05193  
64544 75097 73817 07069 46028 01543 93652 06714 58599 96176  
26007 65867 48618 54158 38444 56221 18864 85933 40980 91792  
34114 63907 13198 33257 86597 68436 27943 75204 75991 06571  
38803 52230 83656 01989 23523 24826 45803 79563 00585 30976  
55265 92992 61106 14429 46579 68931 83264 65557 44045 66071  
21426 35757 77473 72592 87168 11320 95282 90434 64393 25079  
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

85093 35569 96649 82780 28240 10333 23734 75055 26518 49435  
73717 76940 93723 64116 89115 07530 32920 82653 51121 46879  
89870 36283 03008 21793 25716 41329 54501 96391 13575 00957  
84279 53405 88755 74982 82820 77127 07271 91205 02759 73965  
92343 96663 08951 91524 73579 72280 45442 22170 48515 59321  
61505 01990 21206 71108 63957 41116 97559 88421 87926 46323  
42090 62034 03272 21855 25791 70811 98823 59404 19803 08814  
11657 53199 14574 99840 93556 01117 69195 26077 00000 +++++  
+++++

**12177/10671/8024 kHz, 11-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 14-11, 1015/1025/1035 UTC**

64896 29442 39554 86216 21072 33161 58194 08836 27254 59488  
16798 86206 83424 24706 53687 69484 18087 09989 42970 45392  
20786 17718 44873 31646 37997 44696 40554 94752 80832 14442  
62319 44846 18011 35747 55187 87272 52505 79704 30743 35594  
05328 92367 99210 15711 54880 85247 90686 15782 05304 70834  
01474 61629 82280 35314 26448 22331 79699 65689 63394 75661  
05650 73482 00262 88094 01168 82197 21256 89037 30165 70755  
92726 43999 64001 90058 14769 56359 09106 94896 49490 52450  
51120 58367 61871 29621 13969 61010 34170 71976 57317 71826  
39784 63484 60839 63386 87540 53129 68747 28206 72317 51804  
93003 88577 92961 65631 98671 17053 23424 95394 19821 09743  
48055 56774 79449 79655 97002 01063 11836 62227 42637 41068  
10780 50253 42956 11872 52150 00402 42896 21141 64194 78494  
69493 68673 44036 35747 81825 39882 43799 33152 61685 02875  
74805 56192 55900 63848 03267 87079 06268 60464 35927 26696  
28008 97904 19079 83428 22701 57286 99393 71088 36627 31129  
20017 83101 00466 65562 50339 35152 11260 13957 72907 93470  
42627 31667 75902 30960 94108 66579 24612 78332 15633 25147  
10352 62461 68006 18597 00268 49122 05374 19002 36446 32319  
90597 79908 57785 37376 79479 01199 43053 29992 34768 42871  
98582 48436 55885 17452 39019 01075 35322 15690 34585 96418  
77624 45246 23282 97879 41915 87066 11465 20420 93891 99105  
11244 11279 78231 22107 88130 81978 47345 67122 17382 83781  
07415 89456 72471 43788 67658 78725 94121 03878 03749 19710  
13351 29657 71330 03708 26951 81621 30583 95052 48848 65715  
67736 82498 85785 05465 24517 70161 10748 02885 71431 87686  
32590 80345 85830 24354 85284 20580 20709 16791 85242 47024  
75156 44986 30135 11677 02405 16291 37654 82667 16418 42100  
47659 48718 82948 36893 36133 82686 06006 94323 14395 31379  
45671 20057 12004 23822 28204 26018 66795 15175 34360 15770  
70474 08479 76877 15677 43225 21422 03061 31568 35752 90312  
83393 35572 82203 28450 72134 12813 52412 81068 50808 22659  
76891 44063 90561 54211 43015 38662 94290 80716 85838 59250  
04498 42591 21973 36521 87805 13751 99973 83146 32075 30923  
65665 14164 17045 90641 65846 59242 44460 43597 38810 09044  
38601 41043 65119 62847 53160 12941 77076 69629 45405 82528  
50313 79797 03570 46999 25956 49741 38398 78991 36793 66420  
74786 28553 35878 84140 04468 30294 51017 90743 85657 45394  
13575 45361 00623 93164 35025 54955 07087 51848 29702 81798  
44426 33345 07179 99116 80589 61550 82705 37045 10673 08994  
79160 86121 43099 71466 18936 50475 34322 85327 29209 67910  
58017 17167 09019 39080 19672 80524 31614 27417 00000 +++++

**12177/10671/8024 kHz, 15-11, 1015/1025/1035 UTC**

68720 66156 17957 36815 39102 59090 69684 40426 30354 23052  
36499 52001 88162 73749 08336 53233 56014 78795 49117 67998  
49659 73743 95667 50709 67596 58297 57514 79055 23544 02384  
66001 93328 11809 16774 46160 49518 41512 67949 09769 78362  
00597 41890 93038 67544 35558 86469 87376 09219 57830 87163  
36636 80060 12779 55738 99326 46022 72224 36613 99185 08977  
36434 60594 12583 37455 56528 00653 66160 48644 13241 09441  
43185 33843 12948 43242 22012 44568 86936 02021 95121 81486  
04827 40287 42166 53368 38084 28439 55442 98250 34580 69287  
41263 28091 00000 00000 00000 00000 00000 00000 00000 00000

62765 37090 03894 36383 29117 58778 34933 69329 06320 25806  
68406 94674 54489 31602 10691 15476 19754 35973 81685 10603  
68298 04106 53600 47418 43568 61304 68353 87543 88792 74375  
88275 59112 02034 95617 59799 93969 15942 30347 94825 53259  
19404 13888 99453 89811 63274 08986 04759 20800 17375 59554  
79314 09080 70955 61717 28131 76656 93793 38071 07718 98728  
00132 26106 11940 51723 82625 16720 08364 13779 08513 03783

29779 41109 95159 30655 50586 68677 07207 44630 02731 08631  
42470 29081 00000 +++++ +++++ +++++

**12177/10671/8024 kHz, 16-11, 1015/1025/1035 UTC**

**1015 UTC: wrong 1000Hz shift**

51026 53923 19214 36352 83671 94572 76280 24280 03772 34776  
62808 19532 68391 76133 43219 01319 34104 79125 82978 87279  
15654 25170 02622 22351 24014 75645 16637 91934 26020 38830  
11901 32836 92779 80687 45356 40382 29037 40436 65607 95178  
00679 36842 88141 57923 02576 76171 78833 05729 33944 97740  
25455 08389 73412 18005 01854 68017 70979 59111 54488 70510  
99065 72873 66030 22254 29818 96081 75686 70533 30887 98109  
60959 31064 96834 06735 10519 71089 58389 23124 42869 21485  
36705 61914 50508 16306 34840 77331 74266 83205 83619 61278  
37499 33181 84091 24334 94839 23061 13741 95603 75183 89196  
88669 02348 23603 75771 98916 15342 71872 06186 59110 70885  
92296 70938 41642 05423 14523 30452 84544 63684 10035 56282  
91266 66311 74006 59133 64531 47886 59206 77138 41459 01309  
41638 22822 22150 89465 22618 12199 08915 10110 96945 24432  
98330 24913 41898 65501 93321 88605 06695 34312 27444 39161  
07144 14676 18567 34942 55160 41618 94133 49767 77817 15432  
55196 61819 05654 61927 71402 97340 34896 62306 24131 15051  
93294 01108 39954 42224 64270 05652 81626 98365 49033 75431  
88771 67421 71392 24878 85477 04463 42490 52318 30646 61088  
96816 65415 45142 87117 37181 30739 51288 25556 18197 31401  
89818 80926 41747 48165 96359 65419 14072 13687 16391 92443  
07272 88727 30067 19492 67375 71283 41595 13757 36189 74551  
12842 38961 79092 34693 45873 86716 35990 34311 44108 01184  
37588 52589 06766 69927 54189 78032 36309 79947 69201 44742  
63562 61989 94531 78155 20184 71692 70074 61205 13202 80991  
14455 56826 81282 78203 19242 47739 37419 00254 03800 79463  
27746 45458 72968 17493 61142 40318 44772 54557 89328 58749  
40329 28935 42143 17194 53154 39724 47671 94048 40050 70033  
91935 46845 00762 54013 97820 25625 38593 48681 27922 05937  
19161 96459 41010 89910 69491 89381 56794 48825 84625 70890  
08678 05622 33937 36175 89181 80799 84346 16978 17741 50121  
82612 61817 85546 87576 63896 47546 57122 92037 78782 83211  
33336 21041 55940 92122 05518 80134 42625 83088 55380 41236  
90191 46747 80426 88423 76820 37934 49538 14610 84630 30022  
18419 17535 73385 52169 59598 68505 17958 45420 86664 52333  
01761 98582 77428 01900 31249 83925 70171 75785 78145 65006  
76368 52402 23227 28403 23461 39076 16085 07247 75886 19493  
45839 75522 20543 87976 58303 08267 37470 44013 22359 82193  
46739 45463 89791 43611 91778 43913 65769 29557 88802 50581  
32147 53091 97043 06238 90797 88698 89476 53562 19151 18711  
28712 35376 55119 26710 77762 67196 53613 48845 00348 57545  
81821 18987 30449 74443 45451 68675 15780 81539 63112 67787  
64880 92302 31031 16864 52500 30431 00000 +++++ +++++

**12177/10671/8024 kHz, 17-11, 1015/1025/1035 UTC**

05710 90995 02856 70972 88971 57665 77744 01859 69267 06719  
52209 76709 38859 44956 62664 64677 53944 80491 60297 49804  
50227 44351 37822 58523 49208 65693 24295 27502 66135 55315  
21440 79004 55563 77161 79909 95954 55427 12500 38926 13901  
15612 46463 77745 72057 21914 31642 52363 90619 51358 08417  
15925 66534 19804 86712 46253 04911 07761 18869 28953 28274  
75381 18314 69508 30826 02537 31065 00000 00000 00000 00000

41590 91824 99467 18006 27186 54863 23839 55184 36844 57835  
91311 51601 94177 20643 85546 21337 23466 09084 32588 54848  
53135 21033 75494 10855 68954 21151 91639 21611 34120 10064  
82379 59986 18427 38962 89769 41804 03703 05539 20024 61872  
57706 92214 78390 87137 93666 32591 45153 55413 57654 17055

47421 53104 10974 73489 06417 70381 99760 84013 64935 57226  
28975 23695 24665 28796 82975 32179 48063 93543 59866 54158  
04467 02531 11797 09632 65134 43361 08408 79883 76889 27191  
65609 20123 69081 42235 06878 34725 73517 72222 49264 76001  
62084 03220 31287 52448 31726 67283 24921 32097 00000 +++++  
+++++

**12177/10671/8024 kHz, 18-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 21-11, 1015/1025/1035 UTC**

70298 32735 50340 01335 75463 88504 23722 65030 98490 29400  
72148 02592 41858 16138 15779 72700 63405 35051 46998 15865  
33621 53309 50256 72384 19209 05481 78654 84001 85108 72389  
91945 02686 32159 38185 85658 54983 12595 36578 66018 35368  
90564 22173 50352 27041 39853 27831 97678 73597 95998 94014  
99150 50023 04994 81036 83058 06435 35755 00154 14066 83014  
48551 24452 91369 19577 36568 65453 75479 08199 82817 26379  
98295 62352 99560 68010 36169 00981 42433 48092 50647 70957  
16470 20201 26576 56351 16214 03024 62257 47955 67093 55991  
91336 71502 60248 22188 41129 98012 98012 24490 57047 84700  
92223 25862 47837 19896 82546 89752 31295 70396 67017 01521  
85171 54709 61964 36839 32926 90596 33531 88008 19041 90390  
67947 84114 53571 02482 72777 65974 30618 22453 26298 01805  
50419 22269 17216 54548 99737 70974 41902 36803 70240 45333  
51337 14276 19550 53843 64942 43723 04662 22573 93502 56291  
42411 16248 38353 22206 76683 93028 59025 57752 57039 16421  
26537 60471 58462 72746 04511 83518 96906 67627 25321 85123  
20328 99900 53439 14079 79893 36415 53174 17207 11058 36154  
03003 79734 79182 97097 23661 34512 69402 24284 12194 01027  
25410 42501 99156 40126 66858 02041 71137 35416 40062 50956  
25808 37242 81689 72269 51678 30215 00125 09542 49742 10209  
04202 29277 39216 81763 33981 93571 14531 11841 73268 41450  
45796 00862 48561 02343 39898 56969 44101 90117 04437 84448  
87738 51124 81680 22248 87272 64673 44724 93531 21980 19401  
73044 52208 18994 13942 49640 37366 69245 55364 46939 71562  
62634 53792 93656 63887 47133 36655 39812 03761 41496 31009  
62063 56384 56279 87356 76570 95793 02838 43410 51559 36438  
95007 51235 36788 49247 73147 16210 52086 73093 05228 21234  
02171 57610 44666 34638 09915 98292 49581 25213 85264 49824  
93163 32809 71983 28556 19844 67943 39418 40092 26956 38838  
11478 92906 76569 29349 49993 83931 67186 76205 34674 67057  
19992 19000 06825 40479 59342 21377 69021 13833 92173 86849  
57932 41046 16033 17673 32475 29856 10401 90233 44482 63921  
91011 45377 84087 98471 31837 17109 16996 15429 84447 48116  
55841 48933 49414 65544 32814 17229 79451 15464 65738 21823  
18988 79464 34805 99875 09849 21818 12129 40742 17735 40643  
11328 02621 59200 21514 49306 90231 33796 16944 37440 79467  
91081 00191 44335 99958 87182 66811 97361 11478 10598 82410  
15142 35141 81917 00017 88185 25323 57166 95525 49851 93232  
89439 94646 04837 18091 28533 89792 07367 06845 63247 70345  
06285 88342 36050 14742 99214 52934 84800 17810 63004 73410  
91197 51798 52621 68229 40667 84531 85687 92962 23355 33419  
00000 +++++ +++++

**12177/10671/8024 kHz, 22-11, 1015/1025/1035 UTC**

13806 88177 06095 67887 72484 71590 67887 72484 71590 62610  
94508 59685 47523 89092 96834 00101 89513 78588 41936 13231  
90839 51372 75593 25025 41469 33430 83473 17504 94946 84652  
00841 21069 48663 93919 56741 79166 85938 83270 63594 40005  
53356 88342 88136 55012 71799 07266 64645 88714 04600 35203  
36389 69734 31272 26720 36235 37584 00233 53181 42360 64951  
58975 47341 69986 60157 85117 52345 85102 79481 66768 17298

51082 04033 05642 06613 44163 60863 41373 34077 00000 00000

38457 29217 71316 74703 38060 21732 73491 19036 04230 61353  
46621 15547 19925 99570 06621 11182 31665 02936 31047 92726  
43368 16019 42638 48249 42325 85014 96067 44658 05736 84174  
78874 76063 61246 12258 62476 62619 99935 51199 64227 04546  
65176 04158 06444 21021 65809 55156 83342 28608 87074 17492  
71825 38937 97740 63094 47046 80300 76847 50037 88709 72872  
08531 90379 89019 12215 18342 25527 98229 40789 49511 01292  
68731 12128 02592 59864 83611 77378 86913 90849 80619 48899  
57304 35081 00000 +++++ +++++

**12177/10671/8024 kHz, 23-11, 1015/1025/1035 UTC**

29341 67628 22221 42922 69908 71195 79172 00508 08213 45749  
22846 52209 27435 15654 92422 55725 00034 38008 22393 03502  
63206 48683 16499 11197 54995 11582 37792 86723 53213 82064  
69493 53285 84405 20466 26337 24862 95006 16650 21093 57569  
01898 11537 15956 25335 64540 26540 13475 93333 45890 36850  
66736 87605 54253 49510 13457 84312 83299 72200 63700 67053  
92403 83697 95892 25684 94501 41921 40825 95087 43660 90522  
58327 57308 39539 49942 36316 55517 90932 03877 66886 93220  
05587 17097 79136 17167 98462 45546 33431 07376 35658 24670  
06771 22744 56153 46893 23956 75640 38573 64207 14256 33957  
05163 76785 98234 74029 80158 93571 34453 32880 44734 75779  
80719 33207 55721 99242 49570 79574 20285 96544 62690 49222  
43748 64875 33934 25951 92740 50546 35653 50503 40874 46102  
28015 85891 89121 60973 55989 21100 78090 51591 43704 61611  
34380 21922 40851 80176 18206 30347 00829 26282 64484 63821  
95312 17750 34558 65266 94933 62893 20757 25113 70767 86688  
70973 72945 96299 59375 25456 30183 54577 50949 82979 09732  
80217 59960 38617 73543 90970 90071 60265 84029 88515 72804  
96136 10255 33190 59918 30391 74854 22327 33852 29105 52612  
26893 09671 43752 56638 66117 26955 64397 73075 24796 55068  
39785 30285 42957 60238 06507 13442 32579 07900 94435 60473  
01046 98718 00629 00285 86028 61751 48862 19212 31482 53169  
77002 66626 59437 33989 19401 35645 17291 25239 76490 79870  
05258 64011 88778 52106 13698 08821 57419 75982 24991 67733  
78565 86424 59646 47666 83662 99916 71343 48333 02898 00477  
20579 49251 93977 52299 81622 63244 03428 74993 62454 54899  
52593 42355 42384 47395 65541 90613 57026 66144 81042 47089  
85331 92701 15818 15191 18360 27348 71251 76714 14466 83813  
00738 97345 70613 64566 79872 46336 64480 90100 46649 66271  
47055 80669 03874 53874 90412 13899 00972 37786 20342 06709  
37372 64249 88541 95001 54665 26644 64037 09530 09719 99808  
48537 71401 45935 65082 45389 55645 04840 37008 36855 96283  
45195 27632 49352 31346 61814 09340 11390 11265 21277 62167  
33859 19076 56718 16515 67371 75889 88895 27216 16346 30040  
65706 39888 14512 53371 37354 35509 91527 93080 09346 64144  
85405 52581 40509 03789 80416 99787 78209 05223 75178 26296  
47979 08861 10601 05870 39705 44497 12385 25685 57607 49902  
27763 88768 26162 69208 61156 11057 69171 17012 38458 61529  
04171 19142 54601 18846 19346 66018 84133 42916 25167 39558  
59450 84860 97909 99534 46405 83777 57265 40372 71959 23772  
45212 54261 83578 49667 98349 61583 45052 64856 30878 94539  
98423 59709 70404 44954 46726 43990 13774 12162 37199 81714  
95104 36421 00000 +++++ +++++ +++++

**12177/10671/8024 kHz, 24-11, 1015/1025/1035 UTC**

93483 75889 39618 77134 85978 95904 96046 84323 63448 72421  
32203 71521 24397 66302 69061 01977 51929 02412 52706 89876  
10809 48695 18437 64628 87595 10576 31536 18432 47275 07881  
40628 16850 04838 26472 04581 77043 35229 61765 78871 43382  
70128 96342 72377 15093 54966 78821 10493 05657 64646 96194



65552 38628 01389 56800 40460 09568 23141 26138 16492 68771  
75996 82692 01188 04498 29048 85972 37280 31361 35129 73940  
58595 37071 00000 00000 00000 00000 00000 00000 00000

67110 61358 24871 74023 53946 30329 50987 47548 19391 62185  
11066 40113 83982 98555 82948 64432 03839 57806 22315 93120  
88112 91046 86433 96193 80208 56968 52152 49746 94957 76487  
32802 39272 28943 53091 23733 06041 86146 69859 31136 09987  
86129 99074 63858 07529 46903 85369 92895 67778 59712 88349  
08245 75564 97882 95625 27811 94701 26954 42188 38049 89960  
08257 97073 71034 31165 13144 03252 47644 27849 90049 81671  
41538 67926 51563 35404 43637 58797 73723 14822 31762 94332  
24692 29756 75149 96180 65018 38085 00000 +++++

**12177/10671/8024 kHz, 25-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 28-11, 1015/1025/1035 UTC**

15514 45532 83869 21509 88036 80127 01834 61553 65848 89441  
11292 31397 68354 71056 77968 23701 54059 68445 48983 97863  
13968 81727 25401 36529 22900 67983 82538 40871 84647 10802  
36465 56831 31923 63758 80126 49503 67026 97500 37537 67847  
54169 05140 09481 66927 99403 45625 09146 79851 79085 29804  
11146 56606 02801 78832 62348 11983 21715 09643 27967 49757  
18263 27155 71339 55338 38121 27903 90832 74061 50415 44780  
62322 17304 47070 87589 60665 63630 17271 59069 58626 47141  
57956 51112 26668 50212 06281 50832 82072 42824 04988 11188  
60809 35653 36638 65849 10593 39125 87611 92981 28574 45610  
27840 57647 92094 76951 17196 87510 55948 64511 74483 61523  
14580 53928 69957 16294 52665 51764 27325 99814 32511 56238  
46144 27244 91697 3922 28058 31842 49429 71704 35461 21823  
44998 09890 65498 54595 56823 84130 88753 13437 75491 57887  
50129 35933 29241 48881 95935 17083 85318 29659 45413 10679  
75662 49722 70170 70251 20328 46437 17469 09234 47114 36903  
38296 85071 30815 07952 06153 36930 00538 46497 37511 31712  
88521 77388 49862 98058 18906 00984 18301 53028 59868 47604  
16589 51139 87588 91086 53617 10460 35455 88586 41227 95443  
26974 38857 54309 61180 15799 76161 69126 88771 81332 42015  
90801 66495 53327 01959 05895 96471 63933 99528 21025 31492  
50619 64622 73456 71718 58415 18453 24598 75934 14902 42267  
72354 67031 76399 02020 43253 36417 68784 46195 50305 77049  
71362 18965 27517 99756 17259 55853 77004 12557 08745 54123  
89642 67646 70938 35045 25183 05756 92327 40258 62788 52552  
25548 29392 57907 46787 46844 71151 66443 04861 97668 45044  
22138 51507 56846 95936 78115 71277 16732 08640 48532 60510  
61825 94686 11252 84477 73254 08520 57499 69399 07578 35249  
99424 84001 23340 17185 71508 90314 53821 11330 86759 68403  
49414 95008 33636 44702 38064 61835 24615 78654 77219 75198  
32377 87340 95719 71452 74510 12784 49059 30004 32698 61613  
36475 52484 17308 71782 53284 18183 13339 86029 76910 07943  
68642 36751 10042 13706 10373 72002 29360 75877 00599 77294  
13263 15722 67005 72871 47037 54963 69642 91175 28907 39770  
89632 64170 25396 11339 50802 75211 49451 90233 10146 55159  
59750 66690 78094 27419 04639 14061 54485 31590 59139 67590  
91208 80418 28462 35717 17443 29736 16450 36076 88431 66077  
82413 73399 43722 41660 34776 01496 85830 11413 34973 36501  
15238 51744 10044 13587 82682 65737 97350 04315 44671 04457  
69870 36816 33152 59058 15480 85999 75280 03381 68691 25961  
24225 91723 18260 61790 86945 41482 39116 82953 59882 55327  
22045 05457 08484 62638 99555 94956 51534 84848 91390 88018  
36193 54411 18085 53708 14699 42059 56044 62701 58668 72065  
32557 39431 00000 +++++ +++++

**12177/10671/8024 kHz, 29-11, 1015/1025/1035 UTC**

68127 87021 81998 83376 67461 22637 41019 14337 57331 26121  
23160 18858 00087 96018 30106 25156 10809 52728 63824 17953  
62501 83222 43924 93991 07403 66336 27834 31701 69088 52056  
01009 10974 85070 93253 29342 43962 04571 53294 90969 02861  
71154 37968 29654 55592 44916 25168 96949 45342 43907 90763  
75309 74878 09482 54105 99344 81594 25264 91588 17419 14213  
44411 91729 60755 47084 04866 50174 12253 93024 37286 28096  
92200 00625 95333 22399 03072 40075 00000 00000 00000 00000

72742 58995 65510 64881 73490 89095 23882 76458 31827 92310  
44016 29378 17328 22655 01636 05446 30003 10130 71515 77445  
03288 44450 89910 40000 52064 83882 42459 67860 57880 50108  
82269 25084 08569 95062 07871 73519 34449 50690 55705 54055  
08296 97534 86872 39053 01264 13126 72786 79409 11961 86084  
09456 94691 10851 06887 15058 79768 67175 71228 90505 26388  
50583 56922 47688 83129 24656 60267 35075 02179 74513 02834  
15371 46349 35689 44588 74908 54804 16463 64308 69468 90893  
30839 93220 36212 20576 84353 12796 26414 94824 79907 52644  
38682 41091 00000 +++++

**12177/10671/8024 kHz, 30-11, 1015/1025/1035 UTC**

97616 07150 43607 84039 72837 54644 00822 82790 99821 04837  
73740 85181 40909 56604 67657 47248 99100 14094 23986 54451  
68667 58494 72866 53457 37802 80061 87037 90267 23013 68835  
29175 15635 39944 87484 09864 43693 40308 74720 98411 74761  
69616 52707 53675 18236 25405 36928 67096 76514 20627 71913  
35132 75907 81915 41295 03270 55442 37397 25617 48805 49527  
73737 06329 94585 25395 67117 39411 70889 61274 17824 47074  
67644 76209 43138 00950 44161 47495 08212 95234 88576 76630  
99623 33201 44191 89756 71291 75537 44884 83497 17447 23931  
26806 52153 52332 38350 08521 57172 01341 11450 56798 24856  
33254 48548 80233 83214 88293 26603 17889 73923 81652 30632  
15142 00319 87201 91012 03933 97354 31071 70095 29581 34488  
49764 71573 91387 87391 92525 71041 89181 39467 72630 91187  
93018 99074 97278 70048 78209 43421 30804 95766 92863 25049  
70859 06293 50150 01863 42286 77464 62441 76619 38340 47906  
59546 56837 63975 54175 58211 71050 60859 74604 75079 02348  
18817 05273 00290 25129 03393 16545 73912 56035 54201 63605  
32405 54960 33781 49449 17270 37111 31611 63735 63112 82029  
53000 45969 07277 50533 47520 46432 88252 45502 56684 83303  
25042 77440 85542 19415 94663 20780 27902 07066 49998 71826  
99831 74345 45143 44309 61176 51399 60484 63472 29726 60067  
44655 44628 17763 15347 15583 67127 45650 12102 87797 79677  
12167 95468 18206 97937 26262 38388 87505 80352 29924 74705  
59430 93125 66852 61274 85019 00310 76616 67500 44086 39919  
18991 15764 41090 72020 58152 21163 97586 09732 61428 04004  
08445 69072 92285 73487 54022 98592 02242 06026 85492 74731  
51391 66620 25490 73828 12233 46744 51290 56739 36486 17176  
52683 26986 89580 19193 81751 48373 82507 42605 36724 33021  
55732 64020 47106 35746 94830 43814 52255 15722 82561 05228  
90613 51366 17047 44027 41767 19390 50757 42168 88523 73937  
29983 83907 91194 86770 39478 97783 91283 34417 81977 72922  
86742 43234 47250 23096 46005 28319 50405 96962 52978 87202  
44113 57954 00172 34268 34447 82207 72166 86829 55019 48023  
86598 38805 79114 15243 84852 82932 74484 18026 89646 67444  
30525 19428 71701 98170 12485 01238 92680 21973 22425 87512  
16582 52475 71601 25227 06782 24010 93959 70505 50904 84728  
55428 53846 80710 64808 38703 22791 79201 80693 08210 85475  
92110 61310 84924 03495 85973 07194 85747 07517 19979 18455  
07117 34102 23766 52545 57544 07133 98370 97728 68767 12326  
82507 73231 40203 38239 51362 91971 96383 82222 40099 46838  
62077 44749 09260 06433 84763 60560 94244 31228 59167 40065  
06064 46073 33522 19434 75543 42415 00000 +++++ +++++ +++++

Link 00000

**9043/7546/6833 kHz, 01-11, 0430/0440/0450 UTC. 7 messages****16007/14513/13486 kHz, 01-11, 0800/0810/0820 UTC. 7 messages**

11100 00000 15647 31035 01129

84518 79223 56595 86045 88087 06357 33523 51118 86213 13815

20085 55965 99065 63253 03638 07766 89472 78470 26383 08613

98347 91245 58332 39102 56371 68533 77010 75606 64139 81942

58589 64688 57952 05428 10135 03072 03436 52155 97648 96619

84184 86459 49604 96757 77608 71829 40655 37769 35176 40878

85210 23410 09241 98216 95556 36280 93633 92175 84220 68380

70214 16313 15256 96306 78571 26643 34145 49499 51045 85530

31004 45007 80278 68175 16766 87188 11469 92636 17052 55788

76521 59327 13403 30835 12277 10923 86550 27793 30013 48613

41445 41401 28403 65642 18694 21646 67117 84069 22120 30296

43258 05689 17121 51445 37813 13053 79516 54491 24317 81521

35110 00000

11100 00000 23451 31036 01129

96114 13251 73635 14134 59828 80894 57129 57505 03764 23757

26334 72818 00897 82863 42112 18072 84654 17518 36800 09019

79186 50391 08387 33832 91443 21686 60114 94820 38519 19578

21413 56889 08678 79111 11130 07417 79510 66738 28980 57251

41663 92689 86151 37508 01561 18367 11015 71849 61579 50940

90863 28949 01096 42343 35631 84812 06851 34845 74512 49650

26065 20398 21439 38992 40758 05935 70335 93724 86677 01820

06098 78737 65311 75622 42237 14884 22396 38419 21118 23913

91364 55793 37726 91090 25181 00739 72920 75177 64982 90636

47087 20456 18982 75511 30141 50504 50057 69734 68816 48385

95475 44377 17179 52956 67177 22397 81297 25979 06067 43838

36110 00000

11100 00000 32145 31037 01129

99015 18275 81475 67569 51354 76138 50757 09419 15829 64799

76184 00589 58936 52067 48440 27671 54527 86667 83490 07195

43714 41524 57737 55125 51125 38770 51857 99821 18442 61203

26774 55644 41159 79833 80192 99381 19511 52245 57146 16709

59485 71446 12969 10848 84882 69883 52167 90622 46338 08335

91587 80096 38265 04341 21357 16978 59633 79883 61997 31986

79545 32983 41184 26361 93524 62911 38561 89699 81469 03711

72060 25320 03205 45692 24172 75326 92566 49614 31580 62571

35963 83228 86624 91698 46338 34868 24014 76458 68491 83779

91227 85477 76679 31881 26050 23671 50435 26628 89672 91491

39561 29691 28790 89195 54200 11108 65151 58318 40962 73620

37110 00000

11100 00000 41597 31038 01129

65416 77679 92565 78623 10899 26586 23365 57981 04728 31990

87072 36813 84613 81458 91516 79220 70951 51339 65391 38429

53571 84323 64802 83221 92666 37802 33805 94389 69814 82709

17384 23398 50023 57550 50315 30436 40766 07280 70347 44060

58915 61745 29129 09597 41529 33356 99330 18508 61419 38688

01403 35898 33445 73694 98383 68358 22466 97219 32234 39323

88893 02506 00089 64139 32775 81366 93906 42026 22353 10733

51926 07121 18033 16241 95377 05791 27701 92568 48891 92402

54323 85187 68025 60740 21771 63235 22366 53249 89804 38185

07634 15302 94155 08004 85227 86675 72643 31490 72644 47415

63264 62469 33224 60286 85191 98541 38641 76993 38623 24073

38110 00000

11100 00000 52134 31039 01129  
95589 10172 16954 79223 52416 52831 78263 02704 38751 50558  
04082 52376 63367 21598 32578 28830 52912 92721 40266 02897  
77832 72590 27549 37107 28397 75596 56696 69351 01743 00888  
65709 75934 85909 96252 06494 56211 51773 61556 80796 05996  
88833 71417 72324 71927 45782 21804 98498 03975 61792 30253  
30271 48278 99480 44378 53446 47510 15448 38377 69946 40944  
29370 02210 62452 81412 77557 53138 70863 11353 61919 24319  
54007 65120 30282 10137 35047 89759 48991 72957 54016 01416  
53734 41000 75911 19585 89527 52008 27800 46380 75791 22406  
63364 83002 57474 46636 78327 00610 28140 56355 25187 07770  
35965 94183 00715 81675 08590 81695 04641 55321 57748 86323  
39110 00000

11100 00000 69532 31040 01129  
61035 81490 53342 31908 03321 88575 57205 44088 81966 37614  
16905 92369 58514 27213 54947 11616 93976 70898 56313 88530  
05832 50864 80980 42999 68485 89016 62869 41561 74371 21233  
24894 91444 97887 85783 64824 88606 29347 61850 91634 18219  
71142 19083 17020 31026 13298 64122 31788 44022 30610 95043  
21790 38886 68549 99635 03099 56599 10133 58475 81107 11702  
40924 38715 63243 74609 54379 89543 79984 95432 64703 75227  
93856 67744 19421 06704 01120 55719 28836 57633 55801 33094  
54576 75875 70797 07380 24404 26296 75694 27765 65490 25876  
36034 00150 73327 57032 63677 57744 58475 70100 72979 60674  
38330 10921 62445 23023 66095 34449 26565 90754 14149 90352  
40110 00000

11100 00000 74512 31041 01139  
74921 40337 69635 73561 36911 80097 92402 81733 22011 89596  
73868 28738 04533 85292 95812 95909 28324 47333 38538 57587  
04220 00580 54741 94223 94318 29711 13794 57536 56504 95602  
52371 67403 47660 45158 92367 45181 09020 31786 12031 13140  
82078 88708 81259 14691 28504 22291 96995 35113 52496 17581  
79658 27448 49028 73232 16543 73263 26389 08023 63130 32957  
76499 06134 38255 65315 91403 93389 74042 20983 49399 61642  
06579 39552 19229 83484 18243 04955 55776 84488 67626 38838  
85706 65143 67996 36616 06485 89695 00230 75891 47205 84068  
71156 51917 64683 10045 53248 19809 73232 07919 66598 48170  
31572 24781 89119 13840 35304 70642 05902 92440 88387 69576  
41110 00000

**9043/7546/6833 kHz, 08-11, 0430/0440/0450 UTC. 7 messages**  
**16007/14513/13486 kHz, 08-11, 0800/0810/0820 UTC. 7 messages**

11100 00000 89746 07061 01129  
35268 90139 49711 57726 94119 10337 50993 18658 36526 36795  
83818 27537 15131 53112 43098 18561 74136 21391 19793 23753  
34774 28329 25101 62657 87507 64997 83103 74311 95669 63750  
09058 77448 40201 40694 15513 69853 60199 17174 13456 02822  
68952 18685 00657 91650 50148 74676 54416 48102 63946 67665  
70885 45783 17605 05105 18163 54361 80339 12443 95345 03575  
47113 70815 14726 62966 81034 47798 49318 48268 89063 94670  
12908 90392 10701 08611 64805 27956 24350 83279 56493 09271  
01052 96216 62363 14759 60260 06489 61709 35696 07366 61032  
64192 70259 57632 33125 95935 22781 76261 41421 88467 17177  
89245 22991 37668 60460 44717 58806 24932 17301 29473 75099  
61110 00000

11100 00000 98541 07062 01129  
83542 99503 20502 01719 65100 74503 38877 47084 42485 29730  
34166 07493 05277 52025 10282 26028 61450 19033 19294 57239  
29826 30202 60169 79638 96287 56628 71765 79379 25961 70690  
24740 28576 48534 41404 42079 06682 58907 06439 02923 38377

00370 56728 09380 46388 22480 94621 21020 42701 30834 51502  
86727 06575 70928 75818 28606 22822 13282 27465 57623 78770  
32018 39442 25677 43366 94096 32748 43782 76826 01369 95420  
21049 44311 52654 61682 04158 32029 18035 52123 22005 89223  
42527 60849 65213 44473 21349 00546 55195 69751 13952 41387  
82447 90672 89004 04734 18784 66368 17535 97546 33167 87431  
56389 98467 65851 65363 89218 31495 40509 11961 17174 88189  
62110 00000

11100 00000 64298 07063 01129  
43821 59272 71260 90234 32172 61592 54353 06426 33074 47364  
97228 29466 84461 49590 56578 76190 12383 82860 02097 53829  
21812 91166 24332 43034 30534 11062 19205 64203 19525 17330  
85121 06802 98282 43365 93618 26346 08527 93447 19489 38760  
14723 89096 41308 66783 54855 16702 48315 18111 49898 68600  
14576 99964 95404 94806 26371 99773 83674 07572 73740 86658  
29917 05963 42128 13404 00857 12647 65063 23603 69223 40073  
23809 93669 42552 28234 04929 64400 39739 21200 51692 41771  
13791 74605 70274 71668 44202 11282 76669 18219 47394 67226  
95270 00438 78668 95085 45047 66852 24088 17348 74250 12804  
05752 46426 29604 70117 48872 13836 70889 23819 84117 75622  
63110 00000

11100 00000 95134 07064 01129  
99113 86646 85003 04880 92904 42095 87592 08914 90296 24046  
16743 73823 21456 67097 39273 77806 72952 57004 23477 34978  
53525 03253 20769 97295 72442 74626 62249 31185 91404 02448  
93668 86068 35910 81182 97191 96967 77039 21094 73425 88379  
19585 32636 82137 71612 57461 47273 65097 52760 82344 04413  
99491 93512 56464 59137 55340 91983 85507 90426 55348 75747  
52537 14556 60649 24272 98899 33353 30853 62924 63039 72013  
31854 95758 13152 86149 89826 69256 34636 42763 14857 84201  
58256 04835 42628 97906 39974 74217 67626 83939 28372 72507  
66272 41570 80612 64603 33442 72105 12878 54619 80799 64310  
96203 08856 70383 56090 33679 85502 81888 64643 79919 75771  
64110 00000

11100 00000 15937 07065 01129  
40990 83105 66233 98467 36778 09862 87044 77414 04705 09098  
49502 62408 99728 67204 18550 18073 19557 20642 91104 77127  
43383 18382 52042 39011 18772 25075 33777 86578 38872 75882  
34155 94292 77157 18899 72334 26369 71860 06111 87332 48288  
77316 18837 08950 00133 24378 38562 55731 05172 57106 99137  
39674 12144 37912 81252 82362 94659 38351 35132 72207 56183  
57739 42400 17498 14004 36801 53033 74927 60658 58512 58354  
58313 26232 53345 85995 57160 89969 51095 27775 19789 14646  
46471 36418 80700 02125 70651 52064 36858 93553 85975 44498  
02593 62611 45977 82040 97803 75272 87927 63036 49148 14508  
50090 70875 08908 93363 30875 38493 21220 04856 32064 33270  
65110 00000

11100 00000 46519 07066 01129  
13427 04703 32496 02198 97655 01134 31615 85233 63231 46912  
79611 68691 37642 03291 76769 99079 53887 12581 96247 25178  
45781 68437 04242 42586 89450 17095 34928 12203 14462 06753  
06133 82314 33014 27290 86658 68979 60636 07499 51211 74410  
26827 62031 83858 48029 99068 05231 15966 19876 68664 74054  
09538 61084 71822 27259 21911 51086 44438 13048 12729 56239  
34003 22361 79142 49573 17074 69992 30167 26340 95754 70739  
36140 95041 71616 02744 14216 48643 20496 75237 35824 45644  
16608 42868 67050 55705 79417 33794 77857 49506 41697 83733  
81088 37537 62220 93161 87203 87498 31511 49839 85665 75001  
44110 83860 88930 47260 35770 47406 99968 04458 09040 36393  
66110 00000

11100 00000 85132 07067 01129  
50274 00046 24132 56984 89620 51047 56246 31897 79932 01545  
04521 57564 56595 60773 51626 04836 36337 99747 64525 42972  
12702 97397 68904 30556 04364 50870 44407 10410 23449 85914  
20354 06949 56078 28321 76643 49421 72292 22318 79508 69457  
07570 06885 06831 46380 83101 85912 42687 98698 57038 53147  
45829 45238 23867 57861 21767 84329 04130 22177 53162 64510  
91660 45995 68204 45161 50524 60454 51665 70522 78853 15866  
28313 05529 81768 15054 73383 06900 20567 28051 29783 27912  
30365 49070 36722 80312 23391 81707 99456 01794 20105 63298  
54841 02466 75342 64377 12352 88784 91657 24168 75307 88341  
37074 08045 71934 23987 09403 97914 50993 10693 14340 51435  
67110 00000

**9043/7546/6833 kHz, 09-11, 0430/0440/0450 UTC**

11100 00000 65841 08075 07529  
89865 70788 64092 49593 74545 24381 13018 48920 94207 85364  
69101 74123 88971 27069 37638 19913 48588 54174 96693 24936  
82864 73604 45318 81580 14458 77235 10837 41194 48718 09859  
82413 50653 00269 20835 63074 81208 81012 22874 57367 35566  
79250 06390 36866 44114 84605 82849 50678 86262 38431 55570  
73173 97803 14391 41390 06104 50254 58913 91661 77296 13106  
46187 85993 03129 34919 27398 97185 06954 04213 78891 50794  
10672 76060 78953 27764 41628 75363 67878 83557 22046 12710  
71043 82238 33145 73772 89643 68919 71173 68182 88799 29038  
37510 48807 37709 07879 30042 37382 81542 88792 27996 17420  
49764 53540 87418 80354 30559 73204 89480 35828 66071 03107  
08810 22093 48122 80163 94026 77439 19109 46122 77673 58594  
07765 45114 57725 17038 54471 68960 17877 69161 05807 48671  
78775 21211 83020 15572 97410 34957 54124 80493 56824 45025  
64279 04473 13350 63814 04176 59391 93550 34963 21083 01989  
58062 21283 02273 09701 74502 38098 85477 51745 66670 67940  
76105 93899 32181 17524 75866 60412 45763 02945 52518 01473  
90378 74037 05412 39694 83358 13838 06527 94030 89762 74066  
21679 04574 40110 32602 41597 06675 94714 83849 77540 27804  
21771 97964 01168 05618 81412 09864 33319 50647 32904 23951  
11421 02050 07170 45510 90187 49872 11843 74690 55309 22252  
61018 24035 54819 60995 46902 45471 77826 33971 95545 77718  
35287 57767 73841 50043 22532 29028 39984 03297 68206 87923  
54571 14177 99326 62191 94540 33647 77139 65170 37118 75461  
83469 46291 05987 15715 62240 17430 96833 89368 45859 03590  
24494 94691 21156 91331 58855 41546 14554 73395 41721 04451  
01172 12953 01819 66381 67540 75928 10144 64219 82612 04815  
42817 71803 56767 32444 43651 81515 93489 59122 03613 70337  
63410 41594 99369 61321 55398 67253 58099 16406 84396 12047  
40761 21517 60670 05508 61010 49890 50183 51355 81947 14559  
80765 77094 57881 45930 73775 11069 13305 55409 05929 10374  
76261 70982 31002 88106 08296 55718 16079 13353 98172 45118  
72039 82374 11555 64247 82967 84424 13823 10589 64184 10626  
08229 13558 03568 79359 56566 06619 65876 76586 74555 72931  
64729 34553 19112 50471 31973 97316 09706 07559 39074 46512  
50986 24742 50272 85829 48867 43960 12145 07599 37248 70925  
09288 89960 57579 41673 40803 98024 58440 89208 97267 87481  
07322 71179 42880 34089 31810 44533 32473 37471 32348 98079  
18073 72676 33765 78897 24699 87927 67771 73532 00093 71993  
03586 29912 68049 39639 68903 30926 40065 08565 28383 55601  
64958 66301 11837 88811 21177 50473 09316 65462 81464 90883  
75282 60082 04576 86852 09046 57768 33735 18245 03658 67405  
06517 13631 80451 63121 05839 24004 51417 64895 06763 75519  
76588 94260 98770 99653 08644 66050 88231 64259 41899 02112  
10722 53928 07883 77929 07897 73110 84676 38099 48607 70424  
12225 41582 98932 07595 30773 22691 70836 21463 84649 78726

04115 52489 58561 20214 61338 38210 38600 44681 40468 95064  
15144 19901 34833 37042 69832 87546 95163 04583 13821 23198  
73357 02166 69488 13629 52672 68035 12790 37319 94036 24482  
18441 59125 53156 82137 75118 75051 48109 96703 62876 68051  
82120 01568 09946 60808 51198 64725 71129 76420 91314 43464  
94950 42936 44838 35237 71771 02674 50876 48162 80054 12267  
89244 39593 72946 44361 32730 96190 72392 26924 87340 53932  
62952 81069 25239 81510 02514 43377 40029 75538 92084 83601  
79101 41011 71853 53746 32715 55463 35714 29408 84499 40248  
81431 29357 53079 87389 38631 24267 79495 15437 41824 70545  
40106 52754 40624 30209 89683 71698 64369 62711 64351 22107  
83319 99703 99087 37545 33628 38624 39465 12736 98266 16086  
52308 75628 61097 46978 64972 02528 76275 40234 87921 49728  
20170 27194 00290 00091 17998 63503 03128 47996 62344 90479  
70001 71118 65769 66901 49650 62447 14687 07129 00381 21007  
16692 86521 60883 24701 58543 00077 87167 33724 16969 85220  
10292 97977 89497 44709 94587 66925 37493 30550 01057 25334  
58585 74911 85629 03321 30683 78932 86977 34162 94753 95378  
83563 58292 68565 66094 24617 96927 08570 00165 64720 43761  
62116 03747 56701 48161 77187 97491 82509 88305 61842 82509  
26770 57704 10552 40800 22698 13528 39619 81097 25071 60198  
98864 66059 89929 66669 51776 81745 65712 40829 41293 35316  
25499 09481 83433 91891 95057 77316 55932 86505 56377 63339  
74088 72102 31377 38159 71013 89498 75482 10612 24450 70258  
35745 37125 97369 08415 53207 52277 84523 61977 14188 43992  
82139 70167 80185 21790 22950 97300 51081 51547 43737 39279  
41324 55198 77590 53615 73802 98817 88054 98926 21070 17512  
87361 94841 48626 50574 05930 38253 39936 85320 05322 36857  
07872 33065 51850 45917 22274 85656 93006 19180 08305 26014  
75750 00000

**9043/7546/6833 kHz, 10-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 10-11, 0800/0810/0820 UTC**  
File 44478 (binary contents)

**9043/7546/6833 kHz, 11-11, 0430/0440/0450 UTC**  
**9043/7546/6833 kHz, 12-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 12-11, 0800/0810/0820 UTC**  
11100 00000 13259 10082 05029  
70343 47960 00343 65110 35092 00008 46149 42206 61961 46676  
67957 27845 44536 88382 05322 82177 70456 72779 18754 93973  
89604 54423 81786 09669 03083 58434 93044 62512 52688 46606  
00539 62739 15561 09394 55340 34730 33689 32211 36847 12069  
32977 09494 16815 26454 11542 04941 54342 51393 01937 81395  
39012 86622 36991 48787 24350 94180 73952 03577 18812 22088  
56611 58148 26478 76558 20104 83572 54637 28677 68082 14196  
30455 66499 76928 87471 93915 28489 06712 17493 59211 79246  
23572 25653 61790 13456 63209 76861 33220 98994 90187 94781  
71083 95142 32710 54496 96077 06820 97585 76053 13504 60805  
95046 67336 21345 14859 28127 89679 32109 35695 26274 44680  
00630 06739 27880 05636 75016 51609 41441 42052 12926 84256  
40008 10651 30365 21702 68619 11322 75193 20310 69427 31451  
42524 21534 54169 27069 74201 18075 78701 14250 09557 76380  
99267 69203 79610 76437 15190 60492 61930 54782 27680 61827  
38308 61672 69445 18847 22473 68355 84785 68358 49995 85374  
64866 33445 47594 77842 67850 42894 24024 88633 78589 48378  
49734 05416 87546 37828 17480 32470 93643 68434 01083 53236  
60731 67717 54521 94511 82346 76096 18540 28256 34469 29403  
26965 71923 20950 04778 29922 73272 41302 78373 76120 90585  
35543 68320 21426 04234 85775 61382 55874 20528 79197 46734  
66340 53794 62214 05317 77032 97605 40368 28187 35007 21117  
03740 62315 32898 51428 82539 07253 86028 27930 62549 11132  
06114 39544 15125 39398 38732 80831 21434 14756 56746 87864

95616 51726 26880 39843 36560 34280 91618 37348 62980 09972  
33630 93214 11484 99014 14900 96925 02308 41737 07748 38482  
02429 32855 59940 02685 40713 15993 61064 69765 54812 36902  
02358 83296 74481 78810 47191 71330 71012 28327 54371 31696  
27466 45362 21478 17390 09396 35486 40390 83010 40742 48160  
82225 78158 14592 49294 53847 98744 93495 41548 93146 32157  
79012 30836 95285 57200 55183 62445 87075 84768 35627 75236  
91695 50167 68921 47335 50929 93043 81987 31776 97101 85844  
66138 05514 91920 96751 35500 80260 74393 98023 12475 48573  
85015 55688 19950 63634 58416 61519 84928 76154 01648 93230  
83272 76852 00308 13845 80252 17930 19678 46140 46579 11993  
93077 83148 54610 31851 14603 20617 84428 59628 78452 22386  
94464 58637 32020 54606 36354 66438 34952 49754 18732 32524  
41336 86353 49631 49081 47235 95372 12182 48246 70729 29207  
53305 64309 56676 54207 90078 84288 23357 52672 63465 35335  
93208 45255 94089 82372 74822 69719 19764 34449 88405 76973  
19425 83200 51880 30336 53195 21891 69820 18956 73239 18449  
92400 21333 85112 40957 36566 79867 64281 59007 86579 72396  
57508 69379 16161 91620 23791 19474 99396 68396 94533 26934  
02603 99803 57648 18896 74332 67938 95270 39311 75716 60365  
29772 97763 18324 28169 57760 58234 01730 42540 76765 91247  
67976 35833 34272 37824 15118 38031 53819 58698 37028 44571  
17828 67218 81681 76436 11858 69382 45056 18485 59978 59437  
42890 46931 05937 44478 27440 81931 19821 96499 41461 26197  
34892 55314 26572 75585 44280 30794 28202 12601 12239 77866  
64318 18740 79625 42694 50092 66625 68320 03496 95729 77861  
82500 00000

**9043/7546/6833 kHz, 14-11, 0430/0440/0450 UTC**

**16007/14513/13486 kHz, 14-11, 0800/0810/0820 UTC**

00000 79528 11094 03359  
11100 00000 85214 11093 03359  
13172 62446 15140 79192 72223 75440 78074 30060 39450 35698  
98314 17721 68555 27724 53344 79377 69458 95623 11223 68008  
45400 22368 95672 21522 57483 46269 37187 62096 40102 31844  
96126 55370 15677 37269 68715 84201 82151 45596 11889 16646  
71677 51931 47929 72871 03928 23754 34817 20690 82475 76572  
13248 54377 07686 32093 66247 36492 04531 51103 52315 07365  
88803 58244 98050 91954 20136 00867 61179 58751 15273 09157  
99933 10423 20041 49721 09720 10879 63441 89810 12999 78456  
42314 14380 13336 99904 10004 63170 49543 44853 67463 79992  
10864 85458 80244 91406 99118 50918 69798 56985 48769 71531  
52532 58347 40831 91995 25055 19144 71566 58633 19057 73193  
61900 10234 74254 22950 18504 27187 02830 55481 82462 18615  
43827 08170 26493 52175 30916 01290 86622 56225 21977 79685  
39286 49042 63935 30702 59763 74778 91296 70585 22908 50841  
81798 16520 32096 56389 17639 86498 87335 16631 25703 94218  
28469 62600 95231 31177 14424 71126 96373 53165 24419 14650  
48044 13340 92092 75598 08554 09073 08476 05000 87406 34749  
54749 30018 01751 57715 50722 40105 25875 59554 29973 06456  
07225 09887 77590 14443 47348 64874 91441 13736 71232 07616  
52923 15780 33440 72632 18114 93326 34519 21619 65278 61700  
46088 62646 59656 46493 68061 30020 21476 67374 66429 66959  
08125 92696 65057 78304 46415 44590 89910 45428 75894 59239  
89171 20537 89117 32015 77661 42562 79837 02166 79025 41815  
35039 56732 64106 25604 31756 58410 08941 61986 24621 27004  
20834 03867 35059 29196 05928 20603 78095 56299 76715 29323  
87690 94683 22934 43139 26543 18568 94271 78438 91314 59866  
68332 88449 49192 34763 02288 15259 66741 31723 91661 77478  
16979 90611 84680 35743 75606 27614 25625 03223 42346 85644  
25622 93351 48302 14931 84323 21942 35305 13464 10895 05885  
18157 81993 17757 25620 65734 73268 85522 43563 61864 40198  
22561 95674 31936 12629 67627 98366 46162 57419 08999 37921



35443 01509 18550 34622 80765 22654 24207 98778 62071 37539  
69218 20835 77540 41923 31684 62737 69222 82540 02765 42778  
15941 65416 47035 93333 00000

11100 00000 79528 11094 03359  
43112 66434 04831 42972 75629 29462 80264 12152 34214 49002  
25908 99104 54287 58945 92398 91712 05378 91171 24991 01141  
35738 88421 27718 15411 94145 35187 32334 78279 36635 34372  
91931 44546 58865 47553 05779 42451 36577 01160 19671 44222  
22092 87740 26008 35159 33496 30601 80746 67196 66174 60263  
79448 07869 81410 76183 59596 20628 51713 92148 21356 37445  
67573 88814 84001 09633 35335 21806 20152 47830 20867 58814  
35045 87084 18719 44147 83007 37970 51456 14151 38323 09673  
28864 11951 62682 15997 21686 74942 36404 00206 29619 93479  
45610 39660 48225 64189 42544 16167 64453 86348 21230 63002  
35471 74774 75641 24517 30477 87642 32581 89291 40194 92699  
76453 82751 83721 20280 08128 30201 67439 76581 05056 26203  
75655 15634 74857 71238 97669 93392 19550 61597 20963 52400  
52604 43424 45171 10454 36028 66858 96565 51710 29646 01222  
47695 43674 69784 97161 71896 28499 19533 06720 87359 62046  
57773 97239 70423 99126 99173 20060 42800 48386 62320 19936  
62419 45241 28179 96113 72562 16330 56086 51010 88992 33897  
49436 87419 29756 83566 88273 40196 17353 93921 70955 53352  
07950 01343 32094 38498 27339 48535 28949 75564 18321 40193  
13471 41755 29193 04215 32169 79654 98053 31940 21007 40438  
12580 95811 87495 63106 49989 67932 97192 75709 26864 87922  
06771 29462 13522 53541 10867 01726 92631 32500 94882 28756  
66747 18897 10928 54191 44464 82726 19105 04190 59864 85885  
61297 25167 04962 63126 59681 45068 79817 91387 57124 44119  
90017 95936 41662 45974 46203 66774 22253 65228 45340 83722  
47987 72199 38411 73647 87932 60944 14226 48244 13826 31426  
54026 95829 52774 21787 36586 25574 02162 51652 98477 87610  
23964 62405 79214 17466 60627 65376 05934 78237 39728 33879  
97318 98969 59589 00026 91453 32654 73036 42274 27285 82299  
11488 74631 34387 68499 16568 73450 10710 36952 71420 02767  
93016 29345 48922 24110 49666 66070 18977 01720 50463 14187  
82077 39109 93231 39067 21327 07923 91829 63190 90103 55006  
55260 80485 77556 98639 12602 99683 19122 49871 63407 15118  
44250 19886 58295 94333 00000

**9043/7546/6833 kHz, 15-11, 0430/0440/0450 UTC. 7 messages**  
**16007/14513/13486 kHz, 15-11, 0800/0810/0820 UTC. 7 messages**

11100 00000 12657 14098 01129  
25009 39062 30586 44323 67737 54198 37058 47350 19699 15605  
39507 73670 06736 53259 66596 35520 09634 44108 43173 32703  
80224 86356 30452 97241 83378 03147 13165 72884 13299 17821  
44621 84167 57583 67954 85621 74714 07472 50344 98150 19461  
37720 14141 79794 40497 04548 44315 49819 81200 35080 02646  
22848 18371 06739 18406 31069 17026 40010 45955 80921 57577  
53028 31405 55185 90038 51411 55559 96427 94987 51792 45307  
32723 55946 62476 70665 31609 72873 69664 69646 93189 71465  
02683 68155 18345 87932 76652 87083 12974 33967 36037 53802  
14204 71559 47508 60240 49523 52376 15564 34726 64747 01372  
19342 19789 81779 49322 94052 73106 72088 43983 05491 33782  
98110 00000

11100 00000 84567 14099 01129  
26681 60932 58472 56446 16840 92257 65705 85373 24025 34560  
77379 85883 43793 52232 23452 22672 49220 33565 34998 74234  
23381 21940 43935 50240 39986 87744 86366 26976 34350 51957  
64216 74291 31872 97313 44858 72491 26232 28024 03420 42596  
24473 63954 37449 38435 01176 80219 08631 73975 28889 28127  
91244 84356 77033 98398 32042 44044 96435 12624 51249 90559

31701 53865 39355 27202 28606 72368 29397 03225 28697 27303  
49424 94877 68281 50476 84815 35776 24003 42958 05160 70017  
72190 40556 35359 26495 54150 09069 75673 37832 64622 55268  
00372 52391 05552 64540 89679 12784 72389 01124 74722 99318  
65093 31880 00140 61833 41031 59542 34068 88341 51962 76372  
99110 00000

11100 00000 45697 14001 01129  
42363 43496 96340 67398 36451 73619 59345 14185 78328 68340  
87646 69292 22561 36397 79491 71782 78592 70690 02786 53156  
38770 82146 33129 71261 66615 34838 98186 75930 43795 74570  
89359 11056 99212 68105 26668 82766 68673 95224 87798 48418  
58548 60804 37248 06056 11882 19104 16504 89069 00377 27446  
81194 95698 90699 71477 96155 08098 58534 29203 24335 80632  
48830 65974 70490 02106 05680 77621 65606 61599 20264 23921  
02974 72608 70292 19580 61863 35174 49400 74926 79736 40683  
09908 03501 58930 49038 67411 38718 18750 92868 40613 26812  
28909 88497 24859 88226 85256 58311 22789 64657 13729 94262  
80564 93923 13453 17164 03100 79858 74956 11469 46725 49408  
01110 00000

11100 00000 65923 14002 01129  
35112 28216 86331 31779 17975 91733 39268 19999 10639 82283  
75358 52984 17433 21597 78616 02637 32028 23801 23564 35977  
36573 09869 41216 13819 38824 12009 34773 37980 51944 91429  
62208 32965 46675 17925 27934 73058 30551 84710 50741 90768  
33857 56955 00196 27550 07009 77435 18677 12755 59049 77763  
71249 81742 91940 68612 90554 69084 10355 07390 08911 37807  
11625 66780 94802 30606 85574 52617 35959 53971 78890 44496  
36197 31162 03733 57588 18223 84958 95273 49077 49575 36148  
47849 17670 33911 28660 84409 69598 34794 17308 38961 49576  
24205 79064 56681 60127 72941 33799 41398 17731 25093 85443  
05121 19223 23799 19489 99306 16886 80452 17777 32557 25673  
02110 00000

11100 00000 58972 14003 01129  
45253 13013 98245 18403 23376 65189 64093 58332 05664 35827  
43265 33988 32454 59893 51968 08326 03071 31738 25602 51571  
09827 93858 56317 97803 64703 89044 47487 86019 48390 24331  
27240 96593 36377 20219 88282 19102 81790 43572 46163 12419  
59641 47654 33191 43043 02203 67726 70179 12580 80175 45653  
83216 10326 09351 81940 57633 51883 87441 38670 46377 89749  
90783 41727 74956 06821 85580 55805 10164 28732 33395 30583  
84752 15999 95558 41545 95253 21866 66200 73857 15135 26823  
88570 22756 90467 85720 34359 08870 10312 48418 50684 31926  
68985 39902 04447 11273 62423 10818 78738 86654 85801 94351  
00981 77675 24624 30389 07497 25398 56443 42905 74191 64505  
03110 00000

11100 00000 65741 14004 01129  
97727 94288 32079 39650 13997 10084 46892 10768 44195 80897  
33965 80595 12804 57141 60374 34583 72442 03736 34876 12299  
74829 23688 69552 34373 99270 69267 79433 19392 30853 01714  
24803 14159 05526 85425 25864 85781 64274 27549 04458 49010  
83555 98921 32521 27265 74196 97296 91962 70794 65928 38795  
75662 80398 19763 88511 84266 10160 35385 66221 98469 47611  
45745 88126 31475 94783 16057 30566 91321 98575 89372 26640  
07750 03866 45924 31688 03321 27827 68427 18538 13451 78863  
30526 88495 85063 68621 50572 08977 08542 90491 77922 13751  
62667 63065 03943 26713 77235 61960 14906 95125 43039 88470  
28977 43282 23892 48466 84460 82503 50403 39982 71509 38430  
04110 00000

11100 00000 32154 14005 01129  
30404 32732 83339 34759 26442 96300 20329 26647 76749 82932  
32743 04046 35606 12624 38614 22329 80940 55271 63669 66358  
93184 68676 50113 88144 12348 27666 20976 22345 84250 99008  
73466 46779 31855 41831 99768 80153 12634 38198 58714 34179  
47908 83558 46772 62271 35099 91751 41792 72017 78823 94234  
17944 93605 01779 38254 55274 21398 21343 13617 92343 70826  
02848 62768 95359 17823 25435 53856 42251 12946 21458 21477  
45124 87401 75351 04772 59532 93157 92913 37588 54004 44309  
76934 70370 38256 51922 70107 28481 73540 69501 51167 36628  
13560 91303 95189 64104 49375 70670 33981 70504 56772 50554  
77510 56623 69488 23461 82309 50220 26774 62951 77789 81322  
05110 00000

**9043/7546/6833 kHz, 16-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 16-11, 0800/0810/0820 UTC**

11100 00000 24685 15013 07529  
56499 35057 05085 48483 92029 68941 06338 67316 16128 74545  
37169 21749 20834 16538 18257 76870 15058 31828 70949 98375  
97083 35841 67353 96779 44360 15202 12558 32265 06509 36554  
07419 22370 12498 26158 65350 19687 27911 99993 81557 51780  
23252 49031 78146 40485 39221 09363 73553 42799 59902 71895  
49724 80538 29799 11272 15489 50950 75655 38719 89560 35475  
18994 08516 51609 48831 90325 32754 34825 95630 80944 84094  
58440 26693 93266 91192 23619 12260 75636 56490 21161 74283  
52546 51059 24471 44997 86204 66184 66210 43929 30382 26366  
22078 90570 62490 93439 50164 94870 04815 16502 59297 92755  
70845 07315 04847 18850 97643 45891 35389 33595 50185 45944  
38702 46947 08604 34884 60508 05853 74294 28058 94406 37666  
55793 01910 66444 66728 20383 95757 62739 46267 22359 96871  
73619 72818 43889 88538 52698 75357 09419 65800 14326 96323  
59534 48562 17866 06725 95248 46745 12218 22514 28628 57181  
39032 14424 00706 96930 18058 28439 52622 02714 63054 59111  
60914 51147 01705 42886 72916 79462 97976 63634 03189 11406  
00357 87591 76914 17995 64401 69863 31219 67832 23046 99707  
10325 46658 03102 76778 15498 50820 11379 35505 95716 84363  
38888 59809 89999 14422 56528 55339 57329 64596 00731 71414  
55112 51005 72474 89858 52118 90703 98120 22923 86815 37147  
25500 87469 07068 22405 53691 47618 52110 10783 19931 43040  
62742 93574 92084 45074 30698 79604 40129 07871 23091 61262  
85067 06740 42913 60711 48732 80894 11500 85963 52897 22777  
83900 51503 41148 81147 33104 43148 21943 70144 64045 31837  
56299 01473 43335 66030 38551 81937 55651 97415 43608 43486  
22728 19594 39159 97968 45875 24445 86247 33784 57977 05863  
76668 96608 95899 65527 80624 21405 29241 00430 03059 07869  
06370 76810 72131 56542 03693 20223 08254 07739 89068 76387  
47130 50503 35331 22538 15240 93770 44845 33944 81198 16921  
71030 35301 31435 41918 47801 91658 43623 94214 62848 18601  
56303 44619 35713 16347 58138 49300 86577 57459 45224 30133  
06717 82865 19920 62552 66551 85853 29606 63127 22234 88756  
68828 94015 06703 41990 93257 26514 16155 00147 18901 30864  
27860 54829 05006 84530 10265 28900 44092 16112 11312 61857  
07555 27085 35928 41006 20266 58577 48604 58113 62615 95333  
62012 96241 23441 24089 97596 76454 52262 88517 29073 19059  
84278 07952 44772 99090 36554 52057 89778 00737 98828 88654  
73783 00349 67403 46875 55596 32782 95519 62831 40264 20700  
58691 99994 49715 71574 58402 61473 52882 72033 12634 36367  
66231 34268 06638 47390 60641 74177 02402 91959 35571 25937  
30247 93917 46440 22677 10987 08095 96178 97973 82095 44884  
26873 87812 26316 07033 72441 37740 26141 55816 58288 44875  
92623 48807 58867 89465 41923 16403 49089 35693 18065 69314  
10520 06393 85305 54204 78293 61398 38585 99646 39694 34177  
05469 19616 20332 06459 38036 66677 18849 25538 18151 52075

76107 93942 24542 74899 89781 86152 35143 27526 10300 72050  
63120 69510 79066 51809 50029 87127 94916 31881 64543 80747  
19724 96800 80177 47218 59104 56460 30461 49473 79159 73577  
64984 90520 45194 01012 54765 34016 93337 83642 20367 38609  
71016 04480 81207 98246 07214 79702 49502 05617 98446 32307  
17266 80925 21412 99063 09824 33198 08218 50452 04262 46279  
45159 28282 36259 06738 80967 30668 43729 15842 55459 99061  
20726 52814 84548 87021 80030 81538 62527 15403 47873 17910  
67582 43669 39221 00023 81465 11999 87069 28372 59261 33881  
24173 68262 10195 43888 40653 31621 75405 30312 65934 80374  
13636 07350 48416 18615 30767 06527 31353 65710 14137 92051  
48352 27561 57584 29774 86940 08194 88152 64452 93643 28871  
30387 85005 18990 46907 69175 82444 25910 91378 97051 30157  
09942 57924 56916 41257 04695 29798 16104 82663 71004 17400  
32732 50604 93211 33432 00277 37240 31017 45903 81304 43080  
00332 76137 66309 14899 81571 34005 18574 13811 78832 07534  
91011 43227 78376 49113 25915 91349 79881 25463 73556 67908  
98872 23559 90567 39828 63788 29703 04045 95497 56106 23931  
52317 92354 66987 56928 38306 67443 68840 01665 56425 15661  
25287 96918 78951 65359 87924 24877 12805 06002 53358 90020  
62681 47552 78912 91449 61457 16302 80478 05863 53838 16793  
60927 23368 44145 14557 42522 03310 44214 19337 01780 42306  
82324 73481 30204 71678 59101 75204 69337 26463 61326 91402  
93570 53196 69599 39698 39138 48648 20782 44418 02745 46713  
11169 96179 58259 95617 51309 69783 64913 92662 08438 80089  
65435 68660 97433 80569 97573 39272 06255 34225 67425 65431  
66777 11556 58025 90024 06994 95261 71626 43043 45482 96380  
29108 32369 14109 11527 74946 62397 19889 75940 61198 47680  
81939 92020 08918 13771 04475 38036 70452 02472 71766 86694  
13750 00000

**9043/7546/6833 kHz, 17-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 17-11, 0800/0810/0820 UTC**  
File 14416

**9043/7546/6833 kHz, 18-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 18-11, 0800/0810/0820 UTC**  
11100 00000 14259 17020 05029  
11856 80047 62011 72694 34560 31740 10072 54631 20676 85804  
04358 78580 66591 64093 28709 11667 22546 65925 95327 67899  
98608 16716 81660 61346 74264 34672 57615 10956 66306 88984  
70296 32985 34711 47969 78446 81963 31192 40583 53782 26119  
20120 79760 91415 68230 26484 20998 96537 47810 90603 54633  
39570 85586 34257 55256 96949 56199 67926 36681 19751 00062  
93844 85923 97329 10315 84527 74623 08171 55818 41485 71341  
75130 26121 63794 03173 67259 09330 81222 40121 15401 38832  
31588 00652 33741 69807 87050 01886 64502 71455 59011 02857  
87974 45885 36315 14264 65063 09606 36439 73181 04541 98546  
74361 06130 72197 82555 78788 28979 84074 00304 10434 57095  
50960 50540 62039 24182 66352 00629 44818 33253 55058 98312  
91013 88167 24630 97631 27251 79170 86815 34948 98393 20876  
41225 15994 46557 66128 38381 99900 75000 44177 64358 91140  
51556 96614 14189 75305 31311 09490 46231 59679 03204 65068  
34671 04532 90238 61644 62369 56071 57998 74868 21218 16994  
11150 59004 12207 15570 82620 11578 62389 59200 45143 49831  
00920 83390 99841 72437 61374 32060 21569 04903 02514 30149  
65660 52104 64704 34438 65805 06381 04160 73535 77713 84645  
72212 12958 48279 92924 31780 06247 14913 41784 28243 18060  
64741 61064 56884 30166 08354 87382 94115 66301 47790 22812  
84653 96791 43456 88196 01836 08917 09645 19533 23281 53917  
93366 80854 89053 06616 16166 92059 34551 98559 83606 95111  
15275 10645 92132 07064 65683 36143 87969 33334 59324 50086  
57766 39669 62411 45924 55669 06243 98055 25416 96500 12318

63322 52674 69741 24909 66310 08308 54006 89892 75440 04606  
36688 48992 98131 47687 68467 31080 31068 57559 07378 91234  
49224 82035 32100 95988 25864 65424 29193 78203 00665 57948  
83929 10017 38188 76824 29433 67283 43863 54935 33812 83968  
29679 38045 29956 19915 46772 16478 17708 90423 27095 02215  
93079 31093 01353 87332 84206 96348 85399 44732 98732 15103  
52279 57087 12300 51973 32095 84949 52849 47517 06904 09963  
60402 35899 92811 14099 27020 63436 26467 80872 46628 56469  
98139 29472 29389 11978 98558 17723 60314 09391 71718 74852  
06803 67025 90825 49968 04792 91593 99572 87194 78209 94211  
85939 63417 71411 71352 80695 49552 99304 74171 97800 81289  
44816 14655 58885 50256 58433 82022 69002 51514 39463 67815  
35834 48350 03735 23118 49544 40290 67400 96344 65461 45266  
01547 25031 56786 31889 37288 80065 29499 62751 26045 85799  
16667 34708 84672 64480 94330 27056 80149 78422 86159 93577  
33507 68389 49072 59354 47671 11593 56986 08315 88931 47758  
24915 72431 76706 46700 40576 58527 61290 15832 95705 73607  
94289 71064 34276 34670 21408 19506 59784 73921 52292 27433  
68817 75345 87110 71939 03071 03556 04566 99721 37018 10866  
41004 41427 43400 33524 15346 55007 03750 13049 79490 96512  
56109 03593 98899 41767 97148 51281 93048 07357 80870 56464  
90422 44375 81072 54814 77753 03356 09781 78207 48185 93841  
08815 81328 78047 87007 56695 44937 86936 34805 58064 91729  
60772 04029 07816 75740 42549 48776 47118 31208 20432 69721  
53523 91860 67917 33631 32339 16542 15724 51592 01465 82126  
20500 00000

**9043/7546/6833 kHz, 21-11, 0430/0440/0450 UTC**

**16007/14513/13486 kHz, 21-11, 0800/0810/0820 UTC**

11100 00000 23514 18031 03359  
31356 79056 62397 40329 46305 33679 62526 14246 73171 09013  
17167 42053 08955 90332 29034 94034 63651 95456 01453 32991  
57091 27721 46975 76046 21747 58734 44914 01089 28675 26862  
77496 46276 78795 62362 99311 76043 26690 75128 19758 12060  
29103 65956 03154 52550 35348 47298 16217 28447 61781 84411  
77597 69790 17556 92866 89143 80815 73832 53332 53596 47178  
93625 29593 08397 23738 64490 00713 30297 76351 01230 43312  
90450 76100 10799 24866 64690 69409 36618 93984 28662 72467  
24454 78600 92509 63412 77078 28002 54800 70702 89884 59655  
80375 81118 84643 96744 31814 15832 83593 07378 09198 47977  
91054 81382 77862 60164 74741 05650 88825 65372 63974 23933  
21581 39657 06979 92072 03940 40115 54443 64561 88609 06534  
61540 73393 91205 70181 25594 85141 19366 18150 01573 47187  
47673 86710 62609 59055 18066 82111 97723 29781 70419 52244  
63938 07249 32998 57642 34980 90442 27452 15218 13751 60540  
68052 13201 00752 91801 59856 20703 35654 28169 25484 40347  
54205 36535 15192 77403 27648 72605 79944 23861 76853 20295  
12146 80890 78342 90600 83751 68107 04392 90884 36423 93102  
64412 00497 03417 79655 39780 13695 67904 78081 29313 35777  
87410 06144 47582 43380 39038 93967 43239 44873 65195 31399  
29551 01787 24490 41241 44333 97217 77491 26804 81461 62136  
62042 67215 61152 95551 37806 58913 31203 39452 04744 26777  
16375 94475 25203 53318 58109 87239 04306 99379 11762 25260  
08328 14771 93546 00418 25751 62287 94369 26892 00680 03544  
02750 24499 93310 20062 04008 83386 47137 68051 47908 71012  
67579 90312 01953 67339 41730 33716 32501 39195 53903 45679  
80910 89730 76663 48086 26886 43910 42038 12084 56221 55979  
22591 82200 75128 49834 77042 23214 38326 28249 40137 88210  
83095 11882 61426 31273 86475 94004 22673 13242 87787 21891  
88550 73966 43690 40811 70337 69514 07925 61548 07278 97745  
52973 37396 95312 60711 75782 61567 17864 37303 54770 20946  
58346 64592 50279 67125 99115 51307 65680 90668 36524 71863  
11310 09535 66781 14405 38418 07593 22296 81291 35334 84178  
63202 65454 03021 31333 00000

11100 00000 54123 18032 03359  
26824 42367 02021 69877 81520 48744 90853 61187 85813 68979  
86177 09995 98124 08536 57071 45559 59072 17066 59595 62123  
84559 72592 51407 60743 18719 64991 02963 74045 01412 52240  
72486 09821 29967 87853 36894 74407 19844 42944 95867 61797  
93903 71354 91258 19401 54994 91294 09007 26409 21508 81913  
55773 45692 30627 18257 27464 35173 38926 93036 11836 29604  
75027 98657 92369 28697 23994 67932 45608 52539 48151 96929  
49130 50229 74015 98382 42359 72670 00027 59105 07394 45467  
04777 99852 62042 02858 60398 61054 82256 68610 80829 62867  
96139 94838 59626 12982 16730 94663 77007 60619 05740 29653  
80836 20163 85442 37995 71202 12844 40882 14322 43318 99944  
79610 77137 68388 05932 41134 84779 17172 54978 73242 85847  
55893 69295 17435 15052 69210 02720 70602 70403 89922 07992  
15177 32688 40102 61166 34920 13167 13336 91582 58543 40436  
52774 90849 98351 22384 04664 99257 76092 44178 52059 93081  
53193 88238 58390 21196 07595 87104 75593 64442 24338 45162  
96467 16190 92120 90147 55966 07524 22990 40382 11095 25505  
37372 98659 54116 97922 81622 08733 38739 43002 70273 35341  
23983 07482 70192 53703 65409 41506 68803 59424 08403 83781  
93597 34748 63183 55415 75082 32099 66258 85884 70391 60840  
57974 19577 89710 88195 30877 76326 92739 90273 28559 64400  
47348 14113 99678 69356 67634 36719 36850 67224 73559 31996  
55076 35432 39355 81531 89422 59934 22890 90169 16620 61959  
93176 92300 30279 92831 98210 59816 24401 70287 40334 47658  
64883 54747 51298 37905 53696 88948 84229 68330 15425 49412  
64671 56372 60866 83151 67897 54446 07351 28074 14681 97550  
60507 40521 02712 29089 87129 78360 15841 15851 33847 13095  
78348 88100 71284 69402 46417 65688 68394 15563 53998 56141  
26659 53196 55263 35664 28836 79758 30824 48987 81945 22225  
49905 88995 59185 65404 05673 42089 70455 23321 65878 10195  
16185 27099 06040 45379 04146 27787 17313 57998 33948 37565  
06275 84319 78888 57762 28770 24548 19862 67137 25046 87212  
10998 68839 48327 00820 81735 19507 04050 78752 05002 88929  
41915 48304 86196 32333 00000

**9043/7546/6833 kHz, 22-11, 0430/0440/0450 UTC. 7 messages**  
**16007/14513/13486 kHz, 22-11, 0800/0810/0820 UTC. 7 messages**

11100 00000 25896 21036 01129  
03899 25072 54516 63787 66234 13037 15519 73438 31320 90875  
08079 59610 11768 04633 52336 47598 31976 40927 79497 59025  
03076 45421 42956 61234 38594 44916 47489 06992 21789 27738  
69956 31734 60567 62113 69931 00501 90952 57229 13726 21778  
15011 96643 60221 70412 84200 98755 81953 86802 64062 84010  
19898 44541 41192 53532 95370 03709 58443 08868 27509 91991  
89284 67533 29744 80826 87257 54046 83727 48745 71468 71137  
14120 49121 34051 80823 12718 24493 80544 50029 85312 34659  
39112 40450 19756 90727 99553 47343 98648 12316 68030 16922  
05093 50073 48457 97065 94957 40737 86495 01004 34074 86876  
37067 88683 23819 78550 41359 95500 63507 99036 24224 63079  
36110 00000

11100 00000 83674 21037 01129  
95982 49000 82198 69920 48081 16062 63938 78648 31225 26068  
69288 01437 22497 54931 05329 86245 99575 55378 32342 92774  
27327 58649 16083 72525 51916 13804 68029 88820 94622 25551  
78312 00198 62550 76564 71004 55611 18426 45192 36466 74902  
76658 54530 20422 12947 17860 13771 74474 30944 39013 37777  
97714 23261 81464 55815 24152 73290 03941 45389 35615 36739  
92777 52107 04842 75809 26529 81518 98426 92682 37175 73866  
94318 35767 35088 97684 93554 77128 89958 23178 30931 84561  
84866 61329 14271 36714 85685 79668 47007 54725 93004 30627  
13742 48797 68759 53444 33496 03158 54753 35532 10303 47822  
25265 44263 35872 90624 40927 65089 23977 07934 96054 06968  
37110 00000

11100 00000 85642 21038 01129

77151 24323 99444 00519 03827 88210 65110 28230 80610 69823  
94341 43817 23569 99067 59610 99255 15689 81482 16599 87986  
74256 28864 26130 98260 36300 80237 27731 24776 35538 80337  
00821 18305 69264 07805 74413 77997 78620 70269 71305 16052  
90675 08522 97665 49424 95764 76948 13981 98293 58519 92429  
48277 95936 86022 68877 37574 39724 01537 79608 08490 37921  
97230 14736 32950 31963 64347 25767 19927 98922 24255 74593  
29159 63827 08811 29073 17771 76537 63480 72367 55749 32856  
71647 18246 71196 44566 23554 49533 11316 88083 78304 21886  
30048 86408 92376 00090 38310 04065 13072 19066 77769 59715  
60346 86766 04089 86144 45453 71162 90583 92283 99847 38486  
38110 00000

11100 00000 32145 21039 01129

64400 77839 34035 86693 66815 68675 94824 87646 76438 40217  
65258 81470 43976 20674 34797 32539 51618 97627 99531 87187  
35515 49179 11658 89875 10314 85347 80232 55683 75420 98162  
15378 60105 07698 43885 33137 32061 70271 05791 63157 61064  
92137 10969 26391 54498 98259 99543 75010 05910 94840 69794  
11712 60299 39461 47579 30602 87295 50759 53515 46855 98200  
37363 66354 07330 67804 50734 05983 99322 46926 91634 84490  
99664 76624 24893 98741 31326 39990 82152 62889 19736 12485  
57302 04268 65994 96750 24271 71101 79164 52828 31864 25466  
34837 59721 55349 19944 52151 69247 09462 81407 06457 38116  
52523 50367 19813 49158 36363 49325 96505 57661 81727 78570  
39110 00000

11100 00000 98745 21040 01129

05269 13221 49687 26406 61264 13472 97133 18729 18926 85064  
86646 99709 69334 56710 03351 77860 44471 10469 43267 36878  
55769 43220 64408 09860 58922 59482 94603 37205 37153 56507  
00762 31650 20137 87610 49236 98866 80735 14653 11998 87064  
76776 85619 98294 64039 30016 98243 16485 45091 59514 35589  
95734 20268 11582 84553 22269 54360 53499 73217 69856 58081  
23195 87971 29224 53888 52063 56378 66081 84858 03123 06682  
62449 40075 91684 39924 20975 94950 80731 75592 36920 89937  
68197 56740 67518 96042 08317 25517 53381 40607 34255 05051  
71637 91772 74190 48604 25503 25074 78038 41971 99966 20602  
97016 70014 38271 64171 83218 83316 18882 50927 01402 25854  
40110 00000

11100 00000 65892 21041 01129

18104 42269 47822 49253 99859 70754 42604 53971 22709 07376  
67936 43635 45308 88153 92674 81243 51274 49319 63673 04560  
21889 34559 60760 94739 47955 98057 30720 39965 16754 83035  
98706 86300 35038 80455 80545 92927 73995 97596 44349 33978  
47121 91178 94884 14122 56947 44726 79134 90122 71542 94849  
36487 15533 16747 36154 41987 50720 95060 59437 16104 05417  
67132 02880 99424 05973 56782 20912 15737 04510 65499 00444  
71924 72142 07346 79142 68120 43492 00211 45453 16545 04632  
74349 25042 92475 41697 84143 83353 65787 92318 34026 98969  
86491 67073 54498 87453 22718 33149 89182 80375 74575 77394  
78853 89197 12331 90964 53371 08705 12340 42719 67468 39688  
41110 00000

11100 00000 56478 21042 01129

73271 65638 85850 87914 73778 58466 72068 82413 28454 68434  
33282 87434 58763 98255 34984 65079 23436 57664 81293 88169  
22683 03256 07896 73683 09152 12015 43439 58488 10308 11972  
56572 03283 91933 18432 30817 35710 17418 49195 34460 68566  
82543 17236 77649 54037 30446 24244 73892 59916 76437 03493  
48123 78729 97380 85456 58552 05707 65297 84623 24469 46540

29912 30932 77183 40862 79796 94278 76306 12391 36830 75525  
58548 81661 63631 62453 11222 02305 88677 74087 87641 06790  
78785 41851 06608 72582 13641 00958 03152 44646 42063 90506  
22749 75234 24705 85703 76169 66899 92854 10648 97160 29663  
78047 05121 70151 88288 92163 43818 20166 00584 62692 44797  
42110 00000

**9043/7546/6833 kHz, 23-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 23-11, 0800/0810/0820 UTC**

11100 00000 24685 22050 07529  
12990 01529 59265 12152 67549 74080 53120 98513 92906 09134  
72372 27887 71249 87824 48653 63186 15955 46054 81569 77913  
46851 19557 07768 20213 04246 82802 39231 23121 93921 42699  
75504 84440 80263 73004 19537 64688 69726 00407 51816 76536  
51822 78201 42500 64203 89809 08498 06218 96221 78282 98905  
29238 20024 09837 64629 23685 51773 18011 11906 88495 99900  
88677 63734 81801 45757 57088 13821 34421 29842 32740 19693  
59158 17027 19273 70903 35585 39231 21561 93270 75001 38965  
57211 75096 95258 62195 14637 26289 60132 73970 24900 06338  
62934 95220 39514 82065 59052 84205 31392 01114 77099 11018  
61121 92082 63366 98588 75764 27266 39262 28644 32360 08927  
76427 36031 63325 65042 19219 39867 25935 65460 09235 84935  
03074 94404 91585 91782 47443 40259 07587 38935 86414 88582  
03567 25684 29711 29283 10474 88882 47115 13880 73976 72173  
08377 23814 39731 71100 02520 35724 23519 02537 78729 94631  
20933 71865 76008 30978 36304 36354 33792 82442 35547 88154  
00708 06489 52627 05372 83662 94561 04326 44637 04455 23896  
92989 73617 56092 07842 01961 66914 76003 30684 13371 13767  
78329 77852 02978 11016 12489 97490 91754 39761 40199 54308  
58887 49138 48137 61654 45901 95674 38442 02753 06580 11639  
64226 77028 82371 00835 02302 32483 07978 85276 80297 70027  
76799 51181 00358 30735 20933 67707 26615 01938 85414 76893  
28613 03109 01375 78221 97879 37467 87818 56248 79828 20247  
36705 24740 88185 19555 61007 85745 94112 70771 10456 27055  
07236 50422 84641 06469 90750 20457 98175 96321 77798 78878  
77575 86704 81298 77659 94588 70801 14425 93875 65624 60811  
63914 65003 71986 07854 83399 24315 80593 24335 98942 97305  
69879 32178 43963 45097 90548 85376 65754 65753 15894 40304  
70763 89432 61339 72208 00832 28340 77921 61340 57574 67391  
49373 97143 17102 06541 47517 73957 02250 90709 25640 76649  
04525 88242 54547 79636 72938 03846 30982 07719 11930 36926  
13089 32162 55546 21284 62623 00485 10099 07091 98577 23359  
82443 71086 91934 67088 36107 65939 56206 25087 42428 44703  
13468 66796 18903 21307 40571 87486 71933 53022 25217 07369  
86148 55837 86576 93465 27497 88677 40153 02672 52302 67414  
11575 69443 39460 94598 28990 86552 87960 15845 48773 52346  
46939 38823 94210 82949 70434 75782 11874 12844 14032 95544  
75341 32263 15596 95912 90980 34846 27275 32421 85471 73973  
90955 64378 79742 51242 74363 04127 79032 85502 10002 80462  
33750 35897 04104 52159 50817 77340 07790 32517 60191 51887  
67628 10893 66253 44402 97769 82139 38743 55998 40856 19886  
22930 73653 09883 54610 73721 59465 28205 42431 43368 07972  
09886 35562 77483 44966 47549 90361 99044 66267 99948 73918  
85071 39858 96431 55109 65667 19849 00481 91069 00113 45681  
99527 45005 09696 25041 13223 96300 71967 23887 37351 28836  
06116 12051 65579 08475 04131 37841 56220 85646 87466 30087  
36207 83960 93875 51062 59464 60799 24107 48725 61850 50813  
03155 81712 79886 28275 35745 15525 25426 49203 60748 13341  
33478 59227 34207 69897 25360 78094 95661 61875 54371 96789  
97465 13223 26172 48178 01777 98865 11058 37129 74910 35220  
90314 41048 33745 30976 03847 16752 23869 96558 91256 74634  
34142 35725 43575 06054 77384 67728 07819 74878 91859 53479  
11570 09131 43240 24159 99761 53667 31761 35697 00859 69830



34227 97582 64620 93010 35574 49416 38630 84056 29670 83656  
75789 35471 94040 38001 89945 18327 68205 05825 01861 80844  
90319 38132 42698 34571 71798 35439 07210 89087 14627 53048  
73826 21194 01019 68124 33828 89501 10141 82040 96774 30374  
41565 56397 64412 96156 50150 06191 90202 21620 22038 98530  
66701 29575 46448 30370 07947 11576 62962 83674 19059 44663  
88984 81473 70231 30076 57062 93220 17309 64883 16762 62917  
36130 82448 80781 58420 62827 22692 19987 65381 57276 18070  
37063 74251 31870 06215 73467 33795 12823 05172 29367 69536  
26167 12176 01258 90589 25657 11894 66942 33308 04751 05082  
72562 15182 59856 93588 01360 97428 97046 82644 28881 79718  
99403 86375 94275 75455 97208 47469 42408 41071 08144 06949  
16457 57757 39703 84975 05682 89076 70999 58627 78061 62886  
56148 47584 52481 51026 16429 43664 90153 45187 13396 45143  
09974 52414 20138 81797 57479 58672 32869 41607 82117 33924  
90039 35057 02495 77135 91149 57970 64306 24674 32467 38818  
20631 70516 01814 81441 89269 71709 99633 39109 66827 37524  
78513 80877 04220 25741 18344 36159 73295 94497 79318 28461  
79251 83141 99952 34212 98548 20528 32301 27632 46991 84188  
31580 97572 07676 58824 42368 47265 73492 67549 48570 12918  
83858 74328 79349 62100 60386 81033 88198 57847 71153 67584  
47337 99424 78281 48576 24640 75690 48506 44857 35264 91996  
50750 00000

**9043/7546/6833 kHz, 24-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 24-11, 0800/0810/0820 UTC**  
File 44453 (binary contents)

**9043/7546/6833 kHz, 25-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 25-11, 0800/0810/0820 UTC**  
11100 00000 18342 24057 05029  
03654 27642 52441 84242 24876 74178 66447 56880 81081 20214  
21158 50678 39079 94192 05853 22256 08105 48044 83851 81651  
80520 29385 97322 35095 39395 88207 44449 89585 75176 28975  
83644 92734 78630 44056 44511 06293 02231 89457 50216 36806  
07205 88770 80995 71843 38403 76278 33440 95223 94189 15166  
55287 79684 83542 51761 60375 80431 87543 91747 53469 78004  
67458 09294 19634 43893 86574 25017 57846 27351 38009 13753  
63533 86832 95650 28023 89719 14500 30438 48185 41487 27230  
59159 95167 83408 22570 17956 66739 64663 23061 77721 83262  
91522 57390 43582 53842 01874 51789 05649 98832 21490 30121  
33226 89627 06727 46109 29659 91669 03327 96115 90024 21622  
76027 85938 28832 54639 88661 50041 69931 42668 39423 46661  
15823 29732 81009 77243 38545 75108 80301 03617 59326 20373  
97293 61368 09205 61212 87940 92844 87781 09972 60621 48222  
62317 59856 40906 28076 74336 86731 24306 65895 45949 49456  
21703 73975 03059 74698 27141 01127 57658 37144 62669 75634  
16395 71071 79922 31920 07585 74197 23127 44313 43884 89753  
83222 16412 62781 77720 97780 99429 12117 11160 76414 37991  
72804 58576 56364 66807 35947 38267 17944 06663 76543 55560  
14542 33162 90951 58923 96855 16666 90316 75835 36055 56849  
67143 14401 75561 60341 77196 41609 66120 34852 03929 74199  
63869 98250 97603 43062 96078 26023 06324 17105 24255 85539  
41137 97533 59295 30582 42410 18487 08383 54559 39664 14944  
58303 25852 22049 43862 24882 53728 61654 69476 23209 58255  
56839 48692 38369 42657 87766 77512 01334 91552 01334 84442  
99723 43507 67684 81801 78118 11338 75493 10884 07607 48614  
58201 41900 29265 85780 68402 14649 01240 84353 42558 30844  
04142 82615 23230 34038 84422 31256 31026 38085 40428 42387  
03436 90071 80812 00371 02638 08540 42842 38703 43690 07180  
81200 37910 68818 08645 96143 10160 61320 39835 57503 54061  
16624 46792 01826 09973 00792 56202 19351 88157 35425 02503  
89470 96580 90400 60348 86796 90022 23198 09984 51791 41953

31994 71468 05623 37586 14715 68682 13956 11573 51228 09057  
29355 78755 50880 89965 66981 31427 32532 67711 93288 01534  
29322 50051 32385 11250 35312 98189 19764 60382 36221 49186  
58082 24013 91422 94710 54682 58844 59403 77077 45532 41668  
83867 88512 35287 88405 82669 84569 08142 27142 06767 47654  
89183 23616 61384 61576 60909 82575 06567 83074 64613 73455  
79314 21260 41323 53814 04498 60892 91975 88950 86710 90459  
61515 91157 00289 20963 76606 27042 19644 06374 91651 66344  
57128 01684 22794 70703 00596 19488 74589 45797 67871 71047  
89057 05304 20289 02754 71766 20114 02506 63947 74670 51232  
00775 67019 40358 89813 36858 25733 37431 52758 39772 82710  
41669 07322 62557 62013 42691 23153 36250 07759 80787 75219  
78248 94711 43621 46052 97264 21782 77476 00732 62045 24371  
92741 33080 26046 66510 68329 06471 25251 98708 84693 37710  
91330 92473 40165 97425 47311 87420 30260 25386 77954 11924  
94675 84210 92030 63235 61642 99887 18679 58018 44328 62550  
05030 89221 68982 85946 07288 50248 39507 49027 92458 12339  
68136 68116 92912 66118 26920 73070 80957 63244 99697 85888  
57500 00000

**9043/7546/6833 kHz, 28-11, 0430/0440/0450 UTC**

**16007/14513/13486 kHz, 28-11, 0800/0810/0820 UTC**

11100 00000 78954 25068 03359  
71007 19394 92548 23747 78375 27244 87937 86745 50485 07653  
60670 60786 57238 47504 07055 11858 25822 43941 93842 53867  
01520 77165 65959 06050 28540 83328 54728 52832 43051 88465  
91268 29566 95611 89390 54752 82579 45186 92516 10220 76984  
91922 46508 15625 50677 40892 29732 02814 37960 13977 78422  
62111 11237 52081 66509 85213 14210 74866 73043 46062 85021  
90196 98157 24397 92764 70472 13500 01679 35821 38052 58078  
84049 75451 26936 15449 32043 03067 12915 33194 01716 64644  
29360 70623 26888 90695 10844 85629 97196 05250 31779 96646  
11623 12271 32271 80640 12202 82954 48360 93076 27601 92348  
88843 20793 81240 78714 25874 03721 43654 24094 91506 86393  
33778 79495 97398 85180 98853 83149 19836 82170 27628 45269  
17283 81664 76543 97751 72632 90198 13605 32254 77358 06039  
09609 75097 99747 29086 31420 72406 04399 27132 16998 83961  
15179 19397 36832 09163 38831 63292 71502 93567 91400 55337  
60041 89432 94696 82187 98773 68697 34948 82679 95343 11842  
00863 06865 07600 21067 43261 82944 22027 31223 23484 28054  
51428 16935 42760 63832 56517 19356 69709 22719 21139 40979  
08190 55900 35780 81965 72650 78866 69070 16406 63202 15492  
31966 31959 57582 26599 64287 81319 62193 33920 98312 18920  
89416 75419 79109 21342 53386 52891 46290 14848 01401 57785  
06884 58479 23171 86190 54002 56157 05087 78916 11006 96233  
21689 47609 05832 41910 81538 72844 05196 20980 69667 85123  
63340 88317 53795 64723 65020 59572 46508 21326 67417 39475  
40580 39377 70666 93221 59622 00103 71679 34358 91260 16114  
80964 27604 95013 39565 07116 30062 02064 29770 38664 19235  
49118 91231 77987 81299 13532 18024 06952 58079 41890 05453  
88978 76134 89237 14944 37231 06426 11135 03092 03594 27981  
75741 50798 68143 94000 88096 53457 33802 23844 43804 58105  
55840 69333 54294 58482 60942 28809 10851 83942 35506 07377  
79607 43150 87865 46786 44676 08497 14135 73372 41613 52178  
22340 37504 48408 69871 94551 42969 26170 52945 91690 89747  
26719 95142 30687 78588 09255 44675 88706 50854 33289 37661  
14099 62043 20048 68333 00000

11100 00000 65137 25069 03359  
46111 93869 27159 95106 12499 63424 41430 91047 75579 97971  
21112 80320 57035 84506 69114 92204 51863 16061 15816 79628  
04960 93362 21076 98024 49127 33616 11905 62403 34190 34849  
97960 93582 01920 69273 32063 89527 86441 04072 07919 82708

44820 73076 12237 69447 47505 47755 73434 22166 83334 80958  
74098 20480 58767 21856 19418 62087 96048 25495 78752 39367  
59985 05436 42537 92648 68023 02886 61701 76075 63310 70773  
61804 97000 55442 96204 49053 14860 58561 09734 50414 10450  
81514 54889 54984 61559 49747 16387 48827 85884 63619 30480  
60449 37160 22840 25870 59108 65459 71703 68620 73141 77591  
44802 09513 20507 58522 17934 57287 68706 39787 93853 26194  
66302 25793 77593 31296 13199 13987 21002 29970 61881 69795  
41230 33033 66798 42294 42811 33934 24078 31536 98054 29452  
68764 43476 65425 30335 21759 93432 50590 85316 03655 44022  
39845 66947 57658 88497 60570 92688 48778 15446 48448 79684  
31467 15761 26086 56676 02914 17844 22766 81470 84163 61958  
89986 37422 96262 49695 92501 07351 23604 29454 79525 48345  
81668 03920 65808 15868 31356 70424 77261 10635 07072 30181  
40813 46670 50785 27285 23205 63994 69222 03444 48386 34384  
56393 79371 48218 33629 48641 98773 26165 78731 04399 95871  
38660 53490 25833 72397 23834 70892 64578 94999 32292 45768  
78740 49001 39638 76128 33350 09432 45416 56636 61465 15294  
88164 72644 28108 57981 31282 48237 64219 19803 99363 46709  
62813 23531 69732 46931 54542 78934 48819 44021 04825 37212  
88100 47784 99759 89277 19275 77325 12986 68831 13361 75312  
70693 46155 93409 90282 56963 23558 55524 00474 26625 68433  
77855 77582 17830 44843 22289 13910 81505 29575 58477 61316  
69904 23610 64940 55438 51414 94941 86890 23589 43831 13675  
55494 99794 83272 65350 98237 95390 70923 53431 95101 98625  
64803 26880 60213 01709 08743 93780 53691 78729 15744 06923  
53333 62901 47939 32308 40873 96550 60304 36490 82461 52308  
00337 53714 08084 48919 80879 18768 19582 10124 68267 76496  
81984 40045 53009 03920 77821 13510 95157 05877 29113 04759  
61591 70145 16725 69333 00000

**9043/7546/6833 kHz, 29-11, 0430/0440/0450 UTC. 7 messages**  
**16007/14513/13486 kHz, 29-11, 0800/0810/0820 UTC. 7 messages**

11100 00000 14758 28073 01129  
34044 29729 32536 77984 34766 53816 86919 77347 57384 38791  
85545 11027 87425 91643 35225 47336 12722 57867 70029 64703  
40817 27204 73810 33060 49667 05913 35258 57830 51329 53966  
27645 47454 73331 10631 30484 90382 87394 56864 35255 52484  
40222 87962 02405 30799 66010 94906 61808 24577 85396 77827  
73868 09537 20513 40049 93450 26294 80850 36122 03838 18874  
99600 72311 12891 84269 25179 82954 28603 18966 97609 31140  
56238 73382 64464 07141 84238 50152 16034 23032 51088 07194  
44430 26948 10319 51506 56299 85396 35855 34619 93837 07084  
34872 85644 43791 06675 60363 42862 39137 31939 40601 69777  
83122 02708 67680 66592 50361 35083 12334 13019 44659 49349  
73110 00000

11100 00000 13568 28074 01129  
93120 19199 43983 23957 49635 59743 07156 95121 47115 81096  
12113 52942 11836 35021 94586 35718 08507 86158 58232 38948  
75742 08122 48819 55029 68265 13270 96874 55225 10541 39619  
45974 99869 91517 43319 08863 87725 55174 70126 18598 80438  
66559 04325 66896 63033 57991 18530 46877 26374 85138 72796  
42388 82542 47642 36490 31096 49058 53975 31350 93545 62888  
35232 19176 45349 10175 37532 82582 34715 82625 47717 72262  
72499 96507 32044 19184 86958 35160 92550 35171 20396 01001  
70785 50303 09897 87925 53585 60560 19327 10064 60597 84169  
14791 47816 18219 50071 00736 97118 49659 66958 58880 32864  
35795 46316 57178 22416 26516 77906 20969 50170 07250 81123  
74110 00000

11100 00000 14365 28075 01129  
88244 58584 75541 08893 54933 88813 37848 12451 14005 96334  
65084 40846 37246 19950 25560 82077 71955 07638 91662 35562  
77596 43622 93955 76365 15696 41553 05843 72254 03881 58491  
32229 20783 70026 09378 00632 98572 67437 86682 78165 39998  
36996 14918 62843 87442 27229 94692 22633 80339 08214 16017  
80709 75150 40273 45527 70323 13509 83396 17324 07753 80677  
58316 82110 56744 21541 95181 94321 82904 06291 30771 41925  
21465 63015 40175 48594 06867 19372 13889 02916 37601 20517  
16257 94356 74734 15509 86195 60635 97566 29344 66141 76224  
64858 62830 70165 36642 55057 87475 27175 18238 83967 27590  
60157 18153 23299 46775 87394 04138 68530 81004 56588 28935  
75110 00000

11100 00000 95147 28076 01129  
28918 84743 17460 59937 46606 75417 42060 39384 27555 06058  
61348 49373 60744 65868 17902 60563 63411 35740 64690 55368  
10394 78704 36075 76655 46378 44925 91545 40218 16997 70938  
30662 03197 79711 77820 02614 05654 80417 97953 58849 27478  
06711 85112 22219 27803 53750 87524 71041 59139 63654 88611  
61562 73397 24373 45095 37226 61997 38971 77150 98202 97239  
01253 90299 29600 67140 38677 33733 11811 20908 08496 24737  
61425 67254 58050 93931 76149 92722 85160 30991 82155 92218  
59563 35538 07325 28952 91304 02910 28797 65935 57061 99461  
68275 36277 20294 07124 33528 44415 06194 41873 29512 15502  
17354 75822 87567 35118 01092 17610 86114 46511 04379 30776  
76110 00000

11100 00000 98745 28077 01129  
65601 56798 72416 90586 16423 18507 08304 53520 82455 74927  
68864 84439 56848 41882 58569 07541 44746 40871 38808 74172  
99928 01022 31366 49005 99437 50978 71622 44745 60881 24166  
28632 91316 32100 25876 34300 50456 07886 35604 88812 11654  
53433 43079 34538 30378 39227 41420 15566 94525 17036 25862  
65074 30032 91701 71482 87728 81576 68433 88373 29272 29324  
80258 77688 50525 27640 25350 37007 47957 76717 68900 88454  
88030 63044 89231 28012 47503 29668 72833 19457 76876 62167  
88017 81367 29169 01301 91865 40630 21218 18239 50169 50895  
19681 13341 75051 99402 68939 24399 09938 50629 03074 55294  
16595 00191 09120 61001 43892 37430 33773 49874 82996 40142  
77110 00000

11100 00000 25831 28078 01129  
90746 88175 07210 52385 06032 26898 88382 76406 18773 63076  
78022 00291 76281 39397 95210 22639 62551 05783 14333 14285  
01253 03121 27501 49145 03751 72098 32465 62521 54328 48069  
50693 60264 49802 27893 05321 27272 35728 19682 13652 08728  
06363 11404 73894 62540 60596 19260 50822 06405 31021 01794  
90053 07935 28334 50652 15625 91294 68263 93953 90558 58780  
73190 73182 45103 50768 65682 79559 02337 92490 96092 60826  
55824 01059 71439 34372 79007 51179 77736 67647 71027 23004  
12973 11799 68653 80534 72919 99469 79019 54043 56960 42691  
12844 24929 86127 91813 22827 36453 50531 41405 76910 78791  
28373 94070 21091 21843 43727 18103 11468 94223 55278 59936  
78110 00000

11100 00000 97461 28079 01129  
36422 78955 93285 94477 79219 77222 65677 60056 16912 73184  
75484 21472 97906 07792 96963 72544 78967 78205 57691 35016  
63114 46091 73786 03418 67715 96793 39527 61914 52429 97826  
13553 84049 61709 30118 68833 51344 61535 90442 98593 51680  
75080 88487 95387 43405 46986 86982 45499 96095 90936 58337  
05865 43925 00230 56211 55704 12557 26011 25475 40044 05518

52882 98976 47324 60978 26557 54571 88273 14883 13249 30834  
68242 31360 95499 24905 70180 86362 34101 20905 90443 15464  
50835 22349 94628 61748 11694 87001 85602 84746 15276 87617  
00937 16333 16048 46991 81918 74538 37153 20760 81331 71215  
52465 26411 02200 74473 42561 41897 84663 11857 54307 22339  
79110 00000

**9043/7546/6833 kHz, 30-11, 0430/0440/0450 UTC**  
**16007/14513/13486 kHz, 30-11, 0800/0810/0820 UTC**

11100 00000 95147 29087 07529  
56189 48510 68293 73847 38543 90305 33946 18204 04361 57460  
49410 40740 77002 89896 04891 20483 66610 88396 29667 05654  
98446 75046 88053 62248 99532 45185 32894 10209 23278 09292  
08745 08143 16783 48252 21968 72495 60504 30446 19895 42154  
34977 64077 46270 24380 94262 83212 65139 83041 50839 90930  
70396 55059 01590 08054 23152 06017 49601 00869 84123 60865  
01448 86304 33235 70669 44650 37975 93610 01318 34998 41546  
02150 55152 48427 72854 93870 61434 77125 97216 92209 96607  
74575 13372 22473 20278 79206 90481 90609 37850 71340 71646  
94510 25768 43138 42351 60014 80290 86213 87295 18806 75732  
26612 84044 70395 43122 61838 06924 95373 05210 79630 39613  
12116 28747 63150 19866 94135 80007 12291 64799 90267 94454  
35783 50181 14874 96508 93797 42163 00254 30354 95710 04892  
28448 87717 82743 32440 84629 43553 50149 78480 99254 35577  
88632 82164 71184 48587 49706 13625 88935 89510 64649 87537  
92279 64099 71775 18199 41343 91236 31684 14537 85434 15769  
35188 38506 48747 05818 33608 75293 75161 45495 46111 88780  
99298 58969 23797 60701 36051 26820 75196 36921 05740 80609  
82899 29288 37112 86615 65973 46487 15362 54667 67869 52333  
67351 33008 74507 74943 01225 75137 92228 15231 42614 89560  
40289 28146 34606 08383 37600 75111 93668 35699 88387 71089  
38723 61691 96474 74708 35544 53398 62849 94898 23686 58078  
46238 12472 18110 80105 91341 40069 02712 17344 54443 68938  
57922 67924 81058 75957 89587 43376 15333 89349 51300 49039  
45861 36529 77376 17705 17616 22516 68666 07403 64684 12347  
98381 99307 43487 15937 30132 56659 71177 98812 65356 30667  
98901 67165 62334 24325 74608 00661 93967 50068 75100 31429  
36520 42220 12009 92699 06502 10160 41381 85491 87882 43149  
31574 36807 16830 02759 69125 47775 16148 63827 07312 55166  
96616 89898 87065 54725 67409 54062 84939 59762 22783 41143  
67815 93428 97217 92182 59033 38125 06214 77132 45639 90478  
14910 06719 81426 95317 01724 19395 65475 57095 09202 04334  
00857 52183 99262 46395 63211 90491 55021 03999 33868 99832  
96381 55846 77208 31487 01593 77428 66954 10389 51940 33257  
91069 78382 41777 95754 89961 03981 21069 26742 07670 57069  
62652 82461 60735 71981 71379 28073 54425 47400 77353 72561  
01019 56504 80427 59986 19818 65809 38160 78025 23599 86141  
14421 69733 21167 04172 30824 59465 90711 67959 88182 28892  
03658 24930 50167 04060 03683 35740 06362 39413 70608 12453  
56905 09736 23830 54471 85892 45933 44998 80658 15743 75601  
24612 81090 59707 54322 62238 36877 14707 98617 75023 81479  
61696 56494 94196 01974 65728 76535 54248 03700 92918 61457  
04472 86709 86484 17074 97554 07491 69064 32620 34914 24362  
63481 53346 73445 50011 49164 31348 23400 59592 96389 65544  
92052 27829 45551 66764 52859 93560 23632 08864 44792 75164  
15071 51810 31541 85296 29216 47688 75256 18384 31542 65542  
04544 09312 30826 96014 81367 86738 39470 21695 96585 69472  
49153 64138 48771 79360 89004 43479 86028 69111 58483 11577  
15488 88502 52152 44639 10153 37400 18534 06253 67812 79031  
20237 16759 01678 11960 87539 89922 67458 24170 82613 22814  
56537 77736 16587 49858 09961 97486 86622 96977 32903 62110  
25202 96773 14321 21143 78807 50675 81458 86268 58185 49006  
43909 70380 27374 84890 06920 72820 23697 22948 58609 34266

25897 08716 60812 09664 12596 29721 98216 32684 78286 64162  
65491 70102 99020 78112 97090 89575 64997 57211 69419 89214  
72496 88845 31895 24280 50119 35299 73497 78472 49688 84531  
89524 28050 11935 29973 49778 04599 21396 62310 93946 24490  
49189 08497 88614 54698 75483 70816 27407 49356 75991 28100  
80810 17616 55042 69844 10550 14268 92429 99190 28200 51555  
96211 65677 02723 55606 78655 13724 46616 15948 97515 57768  
35371 01507 29835 20008 39908 41569 70447 91670 76693 95101  
72372 03761 05220 56905 71305 18217 27533 74010 61360 75413  
69507 70771 14283 58950 48531 06085 59297 63664 57320 11178  
65796 77801 18523 81397 96043 15285 89817 20447 20081 59020  
24186 60490 10038 01173 15046 06583 56018 91354 80939 78856  
70754 28659 69459 50886 75225 58480 85094 07694 82413 60058  
70697 71819 21393 35680 97247 70889 68944 37481 41603 45130  
80867 92776 56933 18264 40196 13879 65502 80212 64489 03308  
28521 55064 39398 90358 72721 52727 70679 59956 78365 27708  
71868 59728 58365 93466 29771 96235 83201 65769 14980 56309  
31337 33477 29601 14412 69795 80226 09368 11985 94613 05418  
22343 19689 85841 17954 31390 18509 56772 01185 12594 60634  
02112 72461 46839 96060 74754 85775 26709 75861 45856 50888  
45906 68046 27902 67408 63388 46960 65445 97245 59386 42156  
23218 23885 25513 57673 26276 71907 56142 97668 31901 85211  
87750 00000

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**10975/9907/8184 kHz, 01-11, 0520/0530/0540 UTC**

11100 00000 84517 31042 01229  
43687 66179 25949 00710 75968 94052 90893 19642 73231 51076  
18124 09217 02575 76914 01832 94760 37483 48256 46720 81114  
83780 77292 04157 52138 70902 36860 41623 36724 75694 48180  
25158 39739 70919 92129 19468 61365 15655 29985 35413 53237  
29772 44584 79534 84846 19693 37824 85320 18634 47589 45454  
30902 17206 61243 55084 72863 31127 26726 38358 50843 40705  
31106 33222 42639 50228 47354 37232 74473 58071 78655 97825  
16132 51127 24293 10514 15650 96986 34305 60911 53235 32311  
45098 71564 19119 70835 13211 39484 45023 79433 89396 75356  
43917 95693 00241 80338 37778 85427 29473 21398 78015 63568  
16181 91116 88262 26874 12105 62914 84221 71894 65197 77610  
50241 96621 21649 22278 77325 09276 63548 87316 92254 92652  
42120 00000

11100 00000 96587 31043 01229  
26737 26302 74727 79452 89044 56688 67674 83153 71795 38839  
56255 94389 65639 76372 85393 46942 60266 96618 61148 93150  
02602 35355 43138 09790 44946 71243 85497 46620 06493 27175  
12319 47307 96656 80681 38485 97389 73671 50628 71872 78982  
36858 52356 57816 36910 76041 38475 51816 85952 26520 67482  
31395 13890 03044 67404 83052 60033 11237 86648 25259 73942  
59894 49242 53422 83987 22596 56659 17756 30485 22079 03414  
70010 43050 35794 98613 39974 66888 46097 10654 27704 67699  
83503 77246 22421 69873 36450 47968 83991 07686 25993 51512  
47955 94159 68889 04843 40019 37299 77491 06421 10964 58365  
69900 80708 27898 91897 88804 66125 82794 72154 52451 63649  
04257 35675 86185 88254 83433 94635 07985 90362 50044 60692  
43120 00000

11100 00000 12547 31044 01229  
05916 15965 06256 50054 16333 37029 76300 23017 90457 32220  
65219 83135 22073 12515 13235 33151 08074 53280 26641 26873  
04197 41674 58583 91825 32022 80399 71579 60589 29433 08745  
86460 34274 61714 26845 47433 26553 35491 34102 57930 61704  
82676 17708 66964 25094 06642 52192 10646 89537 07761 95957  
38571 65974 30557 95708 79754 51903 99604 34744 27809 76001

36394 86021 50041 62379 74342 55954 50169 62897 14132 29860  
39332 30987 86568 55016 95096 35417 15155 22242 13136 37430  
95545 31955 81267 79710 34095 55648 30550 60589 12667 28695  
43111 91948 71909 35460 21405 64261 30165 72616 48583 67181  
80221 01635 94662 39155 31076 26360 48188 44461 86908 56633  
78064 01134 80450 43880 55256 08206 02933 99605 89033 45702  
44120 00000

11100 00000 29867 31045 01229  
42638 07303 22177 28857 21484 94150 97156 95636 55681 71229  
35960 71450 17488 62593 79707 21128 22115 74648 91158 47128  
40197 27246 73944 04479 66222 64567 50732 10338 60095 31725  
50000 96624 04048 28035 84116 79156 22057 72874 22403 41720  
93978 45080 31873 58531 61567 81821 15343 03505 68584 47881  
01583 19776 02175 11282 67206 47923 27700 86203 94998 36307  
34212 29116 98341 81988 32765 99076 66446 75639 74745 18128  
10083 48904 82405 92721 12467 47629 08796 82126 15028 79425  
69274 24736 92716 08965 11794 58228 98556 99482 18134 94516  
82119 23906 53292 35410 11610 94043 05194 39945 54261 81284  
81928 79312 94706 27234 58694 40316 96039 67735 91631 63302  
33223 18702 40745 25514 53562 97199 69089 05769 43911 76235  
45120 00000

11100 00000 38796 31046 01229  
04575 35233 70908 82142 32206 25065 92414 21244 34681 17889  
86813 84769 10656 92900 54647 73257 26949 79867 98147 39839  
34060 30487 46770 61648 41949 91010 89070 42961 54496 68325  
71869 54769 86105 06686 52638 40460 08861 17268 16045 42298  
03694 27752 90600 28399 13989 44105 26338 24876 25075 41767  
19462 82850 18020 28404 94914 35013 71195 45451 82783 21422  
08017 00591 49495 89232 14325 48396 69736 96029 73828 61288  
50029 71473 95050 58028 39909 16921 28215 81902 91632 47734  
95517 45816 54362 07947 83206 86457 13760 11976 68922 94736  
12929 93085 82725 14681 15640 63265 25255 27978 97776 14221  
91452 66342 77950 14178 73290 18910 23204 80158 39942 26836  
90752 30445 18831 82287 91701 46902 25994 74019 87667 01852  
46120 00000

**10975/9907/8184 kHz, 09-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 10-11, 1300/1310/1320 UTC**  
File 44476 (binary contents)

**10975/9907/8184 kHz, 10-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 10-11, 1300/1310/1320 UTC**  
11100 00000 96321 09079 07229  
76412 81530 65379 06627 01324 34295 07673 97455 87315 98807  
79452 84758 77492 76099 88487 95453 21745 67170 72469 56447  
21868 92294 64287 64771 00985 31908 65211 97268 70728 56262  
61933 39519 94616 36043 48383 38689 71051 51127 38274 09993  
84386 39673 79301 51462 97503 54728 04949 46693 84321 20550  
84818 60278 25690 05818 59442 55599 17098 55922 70502 89664  
61637 51531 22391 64696 46656 85613 36069 41130 27543 76096  
81135 41743 67072 56366 97062 01567 03764 10789 39527 43301  
47671 47424 12780 82897 27060 25151 73981 95004 34395 77364  
20456 92971 45086 99446 95783 03094 27422 92191 75689 37719  
27134 78377 19644 97137 95028 34667 99127 54544 31123 06037  
38499 04164 43715 94897 29389 76976 26846 42128 04571 53823  
44565 42171 82246 30565 75458 59419 16670 14970 15865 38042  
16062 60035 65221 22461 13748 63419 41974 30667 03455 87676  
03495 47540 74704 80976 68437 30392 09242 03002 64976 43894  
24442 85707 53356 66589 74613 83635 96198 36174 46169 93460  
75002 25738 07562 47469 76267 68150 99957 10645 95689 70768  
79561 36059 33855 87678 47544 58249 81884 41638 28500 29271

20444 12909 83385 27117 80580 37178 67857 91182 39814 79745  
71965 64470 51911 78170 02133 47227 33794 70558 91348 91683  
58017 51688 48531 92599 24243 24146 82983 53303 08165 36681  
64884 31897 11301 26943 07758 97328 60113 10811 83838 50021  
27875 85484 08305 86727 77731 38538 53277 14326 50387 80114  
77556 42215 44864 40455 83006 08018 65760 99946 33548 16274  
35450 43877 97680 94800 94665 59080 00476 98428 39891 14673  
95984 14777 71013 94052 95993 51772 47665 70354 16062 11595  
77693 42556 24779 80733 86197 74410 07195 90847 38569 03400  
78329 30106 15974 11896 07735 09720 66717 77715 41019 15318  
81913 46261 29282 97890 68924 91422 02404 83957 20979 57445  
47113 09676 06425 98937 75778 08546 26049 61209 96864 07432  
11896 68134 22978 10561 66033 09719 77457 76201 62696 46558  
85430 15709 62242 73385 60281 69611 10364 08883 21469 40449  
20999 03950 04624 87023 66353 85622 49879 09771 22511 78816  
79347 81930 44029 73094 99707 06209 65986 26642 90819 01607  
56908 24630 66315 50124 71001 34170 17096 58005 73153 23031  
73683 11225 35115 34317 48347 29905 26315 34288 42965 51338  
47740 75510 33537 96313 82320 42535 67295 98434 60255 72270  
33357 01110 62719 66262 92840 51904 12380 37048 79401 48947  
24175 55779 06106 19076 14782 93311 39598 32401 94207 71924  
27488 82992 87953 69884 89891 90362 63182 46023 11082 01436  
57323 76524 92166 97695 32558 21103 50737 37197 04625 60767  
78433 86127 19373 74352 92356 19604 75513 46008 41256 96401  
16991 20834 52456 37290 43433 50840 30428 61674 12093 98439  
42968 62220 29737 89635 55908 22163 57917 34109 02297 04967  
80049 54389 96994 71046 03755 91286 32619 01226 96886 77796  
17761 31613 80689 98630 43445 29599 28522 77595 88729 65654  
43589 59978 01419 60611 14106 82149 14803 13122 69350 45553  
86373 36986 85028 37284 69447 63019 11391 64430 53638 85168  
22543 94374 35117 55551 10387 18242 02590 58101 71625 79677  
49939 15525 61272 36143 51460 09242 11100 44921 60636 16997  
36474 91017 18387 97843 79998 99139 81715 79170 65412 96945  
08724 25474 60183 21758 60890 93546 70232 87908 08591 03789  
15212 56929 50763 82317 57805 77752 84681 53559 85453 89121  
86756 88023 67968 01400 90315 34939 39459 99951 71288 94440  
78014 37307 77744 08994 81574 06271 64208 78740 63435 11182  
16708 30470 15812 79504 79471 94878 14916 80937 19235 71822  
65964 46232 88070 88248 11575 02906 70701 78484 51972 70030  
27216 41581 50455 79301 67134 55393 22544 14553 15763 52088  
32270 86927 58765 84762 44020 87868 75896 39864 03392 87139  
99835 75103 45490 68048 61053 87535 54096 17059 04652 41506  
20163 09999 90110 11156 73053 62026 09889 17152 82981 33553  
87807 62356 58071 09321 43149 96096 84489 92800 31430 61746  
83083 83115 97758 07288 80951 26675 03738 63555 21401 60691  
13832 19840 60717 90792 52147 51540 25193 69895 65566 79559  
26839 70536 54157 66125 61236 67853 54808 76717 35941 75391  
89029 62805 02906 00933 10846 45070 93334 14533 15722 01796  
78417 45949 96471 92136 04386 53658 57065 68924 75316 32631  
20288 60719 82132 53077 90190 27786 01227 47327 55253 21680  
11154 87045 43214 03140 00835 17971 63496 97960 67683 44353  
98165 95553 29137 80291 27366 19858 95979 10156 00163 27309  
80933 25270 86734 11547 40940 29064 72848 19544 76564 27856  
82558 08854 36972 49480 40066 00654 03907 56924 06677 08281  
79720 00000

**10975/9907/8184 kHz, 11-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 11-11, 1300/1310/1320 UTC**

11100 00000 85691 10083 03129

79621 18517 90667 13074 24694 62416 82446 31312 02354 31765  
78100 72396 13140 69083 64327 15292 54308 47723 18320 73093  
01947 76238 98339 89621 12735 00886 25008 89639 93756 48470  
64259 37362 13827 76703 47890 82964 54747 24273 92648 01757



25959 77800 03789 55728 90992 97887 74039 32138 79184 71428  
13924 38845 81081 82381 74357 61069 50973 18181 47473 09255  
64988 53987 56606 12747 08205 81951 71374 38947 89187 77690  
08796 42649 05414 21151 06379 75235 08018 14063 78121 08430  
39278 61158 89357 52280 41306 07349 11393 72073 59361 48043  
41856 33862 88229 54803 01717 33290 35109 83516 44897 87406  
97434 57274 41423 94160 79085 41148 20040 89254 93403 51042  
81247 55044 26470 63824 16679 61188 59072 20904 95760 41715  
70797 42462 05603 38205 74697 94508 55044 63772 55951 75964  
78797 67539 12973 17945 02627 04280 24402 12439 55501 38935  
90398 12575 39657 40669 21706 71650 94508 46172 74895 13123  
15340 96885 57242 48739 12726 79839 49673 87008 23610 26790  
21208 99177 09977 51354 33350 34934 06067 28803 57856 04982  
00055 48239 56316 72720 61149 91806 94993 22174 48029 20649  
93352 94392 59571 72290 29719 09491 13800 99133 52500 16517  
65994 02752 70417 38348 01901 43673 20174 03786 66965 31343  
35001 84048 17557 23944 62529 75850 05088 92770 05402 98242  
28987 30844 83085 95415 19458 10445 38312 62643 35959 19269  
36584 37565 92342 29875 32182 23981 44594 82130 99114 40357  
02107 83320 50454 10221 48424 55634 94475 36651 82396 85688  
01063 28019 15690 55800 76794 67203 87566 61680 72170 41436  
82903 46239 69393 74993 64360 04196 24164 31895 54648 37173  
59908 80817 29839 63973 37895 39397 09636 15711 51655 40120  
55565 70497 19172 84977 13008 07370 71246 81081 58025 84138  
59503 74421 34894 68850 32459 23955 95316 79556 53090 83219  
75214 12061 56351 81648 70071 60349 70064 22784 94735 59386  
47630 41566 38642 04950 85986 87904 52375 30218 27269 28690  
83310 00000

11100 00000 74521 10084 03129  
62758 55765 91351 96777 60034 75249 62399 60677 25476 45332  
93116 45382 52528 38009 42291 13843 76055 03053 11096 08533  
66392 57063 82127 15348 92652 18723 89387 82307 59948 13666  
36422 78972 50230 97427 04786 07518 21429 69888 20024 01416  
44581 79661 67369 72637 83631 41861 74323 93345 47604 17688  
02333 22981 69813 29264 14718 16708 93825 08164 13077 76136  
70838 01072 59319 28276 98173 81004 25543 43641 53579 37543  
38919 29459 05003 44500 13796 58914 00563 28467 88192 22359  
68363 86681 06867 11439 80872 27648 18168 72067 63530 32942  
76831 87182 52291 63656 69930 75227 29772 59900 08151 15289  
94704 06815 49588 34837 44376 65519 48256 20998 74745 92442  
44480 41299 27923 95471 39384 84829 41697 00348 20637 59734  
80808 25761 31663 08014 54637 90568 01494 23527 51017 01585  
77451 84169 40838 95366 27851 34136 33147 32453 06917 77233  
85415 67468 99082 67148 98680 43557 84881 05641 52227 84558  
95600 84579 57512 83384 48899 32757 36018 10019 82563 53435  
50716 87586 28598 63550 45826 09925 94837 70510 74574 99097  
46262 47531 19622 26286 03210 93446 35850 44499 98668 87924  
70212 06537 61845 78036 38307 66640 20177 57103 62389 89279  
37002 21776 00487 13501 27057 18265 21325 46278 16990 13674  
04732 83312 43085 53364 72223 80699 03381 90300 77455 25924  
06370 97292 11217 81602 83469 98099 00672 00419 57446 78306  
07516 34686 83988 61935 54761 88981 08609 64705 36805 89277  
06065 59901 92501 67018 94492 17767 45895 81574 41430 04378  
44334 29517 03919 50921 48619 14139 69885 29328 54895 73672  
92972 95182 52979 91637 38012 83861 50782 37749 79342 70830  
19550 12837 19128 32035 39581 96198 17905 65336 51123 18842  
54503 58906 40137 11029 57563 17547 13606 97589 75817 82841  
44083 39417 79329 08110 88170 44593 08875 74066 08607 97582  
15662 56156 54654 79931 58562 79475 80479 80901 51053 22232  
06205 21492 75059 53681 51325 40270 03864 17470 95179 14463  
84310 00000

**10975/9907/8184 kHz, 12-11, 0520/0530/0540 UTC**

11100 00000 24685 11087 03029  
39177 33261 28610 95732 36966 64932 07116 21734 97928 42382  
46904 30150 21255 34682 33933 28764 10885 61609 42450 40653  
16348 16589 43462 15258 31902 81141 70720 27064 33663 29270  
36408 22812 59403 45231 13732 03177 60724 03115 28589 49867  
82269 81684 27505 34061 47684 12906 14031 67136 56991 87601  
70779 79616 25095 66682 09300 39283 16066 71366 14969 44378  
52935 50859 79087 52851 07646 50891 35376 33569 00882 31594  
43047 50446 66437 08108 83652 15410 59833 12403 63881 71164  
15850 99710 41510 89666 84683 48031 16676 97270 01394 24147  
55680 62462 68345 14566 39487 07133 55327 44860 54127 27327  
47025 35806 65176 34396 92557 69785 43507 52503 36742 65878  
34497 33413 37788 87084 87880 74502 01107 28106 90431 50929  
83916 57144 68671 97907 50341 10126 53775 04006 81682 60816  
25881 01430 71554 15251 79972 64204 60570 03910 80543 50212  
90264 70096 97204 48012 80949 77933 38444 14384 63171 88437  
25722 13526 17481 77085 75074 93863 02182 91333 78435 63379  
73762 71501 01846 49420 29684 83490 42747 53922 28226 36740  
13549 39970 65065 85883 43640 10652 11287 39530 17066 66134  
42495 24617 88011 49893 13744 79759 41331 20047 59938 76048  
90260 06725 26425 88719 28543 41404 59436 68150 79122 69162  
11089 83596 06621 79772 38624 38131 85756 18587 02569 78211  
42922 63142 93510 46302 13081 76424 42176 50017 79197 72732  
92495 46192 86358 57076 42346 63338 47805 24047 81649 10916  
85033 27099 82535 48859 69172 54176 21230 15792 55816 70631  
36374 39374 30502 15354 53460 77210 07020 61076 30060 61772  
45740 74761 01551 47748 84148 39033 32009 85284 96779 20581  
99973 67537 26727 96470 73755 25975 55926 74304 55986 71880  
06394 67164 02096 07479 89609 09283 42400 55123 46233 23369  
62491 78000 43340 75533 21612 90763 21362 78753 13715 83552  
07924 30797 00872 07827 40764 97578 73749 97449 66921 77838  
87300 00000

11100 00000 95481 11088 03029  
00506 22829 97525 03054 99032 86258 12318 83477 24779 89687  
85639 44566 70484 58884 31771 59837 89360 63021 87072 38617  
40602 35931 85033 44997 02949 37694 32968 25103 29758 23751  
26322 22346 44023 13722 61505 85353 96757 77114 33201 98257  
37213 78119 27083 88037 68333 46672 43884 88604 85914 67977  
15745 66304 24885 07666 00791 36539 61154 14802 66861 26186  
42471 69889 00349 61510 46711 70101 01059 86245 91056 68898  
49054 39544 40480 12223 54400 48475 88997 38474 25769 14762  
12093 34432 18813 00444 13790 64331 50280 42154 16780 14259  
88770 48696 69056 19082 58105 61607 65492 64074 14221 83402  
07793 78442 81543 03175 51268 62931 59766 74254 11858 18700  
36982 23599 31848 69651 70093 97614 27716 95416 18452 74087  
68542 17157 41653 94915 58428 03397 97430 99334 21350 88058  
00589 62310 11898 17894 28900 67799 00326 71493 86918 71563  
05360 17074 63645 33219 73195 01210 44963 22209 26123 85723  
66815 27393 29223 74898 20026 24941 48562 00214 42727 84202  
99330 54787 61321 16267 07363 94710 65915 94879 32465 49470  
31158 04405 27010 08633 18441 94537 28212 76994 20365 46431  
07534 15368 33446 79941 25665 09201 69972 56678 66496 32227  
44959 58530 48544 97304 99141 46384 37242 11664 43944 28691  
06562 78731 39347 94592 23380 13727 40615 91283 53038 65208  
74800 50299 09535 59775 32979 92413 98773 12094 89135 65847  
28334 67441 81652 97453 82160 68967 18335 61585 83651 66836  
90905 96321 95550 11465 09912 21753 30100 98015 95974 39997  
67877 54362 88336 21641 08773 89687 56613 08302 03519 45916  
26722 85982 39236 19175 56897 08920 77413 43445 24747 78604  
67770 53625 11279 07670 86432 70166 92837 23325 71865 72475  
76892 90030 56994 53284 42602 56100 20959 71155 72110 53914

08929 43324 83501 08429 93429 46057 01346 33688 75600 14720  
25788 21993 49841 60739 86105 55449 80270 47646 89677 94559  
88300 00000

**10975/9907/8184 kHz, 13-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 13-11, 1300/1310/1320 UTC**

11100 00000 12875 11090 03029  
28181 85809 11759 77326 43293 83802 64938 14679 64172 43067  
57000 60606 56580 92296 05797 51326 11341 09312 93960 42649  
95769 46981 42260 95524 75132 09245 33448 14021 96303 38161  
91281 59182 50821 97942 44408 87215 59527 66887 29804 85411  
45968 73166 15444 04277 90767 35392 46909 09276 84129 93912  
47592 00660 18677 43763 27219 74779 89819 05219 78345 25354  
95812 92876 65541 08112 54724 69217 36927 17247 80476 93573  
12769 47135 85158 02444 30812 37739 99797 82095 53030 27135  
30776 19388 63503 59617 94073 41757 12083 22802 94536 82297  
83553 12168 42351 30880 96965 46483 23911 57239 64838 82544  
69264 16973 66899 02670 83341 76394 18081 73384 33121 17159  
35427 98736 07960 06623 33624 16678 95237 44856 03823 11944  
38539 24259 55456 43883 70525 62707 25731 12666 37713 96174  
86480 12297 59327 41761 03070 43896 87429 67076 25042 87665  
60501 26899 13181 56981 67667 53066 32700 83059 65760 08518  
67221 03617 16394 41442 33251 53984 35255 00456 99820 84087  
70777 96753 43003 49752 54410 24176 89970 51760 89646 73110  
32298 21097 72012 99194 13182 73828 57203 32730 18285 84041  
19545 39760 24875 48298 67982 70747 88946 40016 11771 57783  
75033 77239 93062 46270 58368 52223 28575 72017 54103 96269  
27529 19679 53264 78257 78044 23486 70134 60299 19182 96186  
30750 58970 40808 97165 57189 85527 78496 75641 27366 63589  
95618 49913 14981 47677 69840 08578 39352 91084 26194 44648  
79780 36493 83926 58529 34169 27785 09298 90776 26558 66482  
91529 70574 93273 61248 84078 90877 02386 43904 78442 46149  
86141 50373 02656 93630 91086 90016 61693 24095 75540 51772  
61952 52993 09130 20564 87000 67967 54053 02385 16785 93631  
32779 81522 07486 59590 11852 58346 74198 82603 56497 41092  
43638 98860 35722 90103 69050 07283 82585 37936 24518 09800  
39334 33787 20847 59541 42089 85676 10225 52865 24769 98820  
90300 00000

11100 00000 94328 11091 03029  
05108 75375 85817 86578 23386 48742 88596 10573 45715 31448  
53796 76852 88195 47614 95161 94842 76456 92853 03034 52652  
08035 14877 91143 69790 09761 69204 18899 27346 82360 10902  
93838 99030 49446 08303 83959 31545 53092 89624 94591 47698  
63180 58446 89505 70718 92698 38967 60954 93189 36190 36981  
78321 39063 73529 27524 70076 92157 06223 05107 18711 89620  
18408 57489 73357 03749 79758 48931 09768 60642 32462 23838  
92344 69099 29470 66775 17906 58209 16209 79751 45882 47075  
72930 62729 44624 95097 59897 08302 08509 06267 32583 46455  
25537 85895 19088 00379 00106 73228 76941 39240 60642 98371  
71490 38871 06794 36972 43058 86305 75848 61092 55052 89096  
33088 09709 40232 75360 15748 27287 87290 95478 85287 43843  
34971 61401 67637 94966 69001 06732 28769 41392 40606 42983  
71714 90383 50490 73775 20692 02574 47731 73471 33000 65192  
25868 87694 13525 73364 86957 56696 88311 56223 46176 78886  
37070 25675 04831 44659 06085 59694 60580 56261 51296 36498  
72062 19635 41251 68034 20082 19162 74601 06224 32590 11267  
91838 20403 65605 97796 85960 69377 57285 65125 41745 16564  
97333 99920 58326 61614 78915 17507 34762 86999 25296 63762  
23273 42960 08355 76492 79848 19279 01202 17207 66899 77305  
32045 09251 87653 40673 31528 43220 56974 68145 90705 35595  
38292 57025 71852 51536 01339 50574 39296 27782 80365 47865  
02445 56578 37547 39524 88226 16576 61235 17778 85096 61647

53717 62028 05301 33514 98880 24067 73385 47608 50959 79128  
22019 79615 23011 40390 71138 78251 76202 80530 13351 49888  
02406 77338 54760 85869 37418 80182 69136 64678 96876 58343  
33327 97783 49229 84602 38952 56829 95439 52522 72544 43107  
60119 50850 81341 85263 23768 43500 66906 76150 50826 28522  
73772 84788 93204 74528 65285 04357 73995 57989 03854 22155  
81045 49849 77765 22480 25077 24896 41790 58352 42055 92317  
91300 00000

**10975/9907/8184 kHz, 15-11, 0520/0530/0540 UTC. 5 messages**  
**12218/11535/10162 kHz, 15-11, 1300/1310/1320 UTC. 5 messages**

11100 00000 85237 14006 01229  
16978 13590 54481 09240 65321 36115 61655 70492 61679 84295  
14094 88316 18710 57726 66290 92776 49697 12648 23546 05857  
16983 97854 90251 26637 76588 71555 22959 40395 42468 16386  
74175 81315 18825 94745 37813 03508 73935 11662 32241 40006  
53911 77354 81872 54453 59840 86697 83221 15136 36749 57763  
66371 46081 47812 96634 87792 34884 32257 80678 15440 01969  
70399 77456 92083 60954 04237 41475 87785 24829 87059 55950  
77485 37605 60490 11779 04619 36155 82406 40913 16703 71912  
54185 46302 83839 47118 20694 95618 36061 45305 41476 70930  
80461 60716 56566 91524 84056 56328 95368 52058 33293 05176  
02045 43234 06167 94671 75837 47175 17869 98594 49774 24706  
25904 46443 56192 36702 05627 44844 52510 66719 32115 30692  
06120 00000

11100 00000 25417 14007 01229  
50593 55175 82893 43508 71568 36126 01907 79284 01170 73582  
15626 76076 06078 02776 84372 31263 27075 72026 46789 98290  
07529 53915 19469 03554 71587 04996 39258 76671 69264 59978  
77923 42564 30607 71322 83867 48792 96134 30176 30589 26589  
15737 29607 76560 09016 33207 56048 66223 54685 98620 19906  
26786 50492 75722 61269 40507 91782 36528 91652 97151 63401  
60313 57706 56320 70055 79191 37845 74317 89438 37458 07718  
75265 46535 56891 35467 71143 32564 25197 92710 60438 16981  
49790 92177 60094 25991 44090 87949 50456 85997 38524 99232  
37883 55430 33430 43604 64727 93397 36033 90667 21368 38580  
48700 72058 39975 96825 00647 08729 74705 60869 40289 41464  
98011 10620 30427 75549 67747 67450 13450 75544 44765 00931  
07120 00000

11100 00000 98534 14008 01229  
44392 69693 91041 26695 48088 88478 71556 87500 69741 17197  
79011 52210 70994 14612 35039 43028 08054 62722 29387 82485  
37601 40015 04964 12456 80596 84286 90652 51935 79944 24680  
80304 85780 12939 87671 81367 01597 44425 06654 81577 16947  
31635 89823 07158 64091 16608 26066 70955 24430 67151 33500  
33958 29834 52277 80401 28631 73073 63043 33168 17503 94495  
14746 11024 85443 37177 91391 52153 89072 87710 18405 20945  
11736 44829 74477 11039 97480 83043 78531 23856 62477 03495  
12711 27314 07318 89194 67342 24394 78630 06852 18816 86270  
53447 22465 76299 29669 44767 22876 58254 43154 51742 60463  
84661 92034 02936 63175 95910 56561 66079 77071 34293 83116  
22778 33580 49018 53085 31584 58650 10715 99079 27898 65976  
08120 00000

11100 00000 67854 14009 01229  
87815 84016 24443 56422 54250 01514 95880 19980 36998 05580  
95473 52451 62786 06287 30788 52668 05837 50017 85078 68627  
39695 47338 00419 31853 02820 69726 05056 12961 70139 76070  
89704 21845 47745 54905 62445 00937 32917 93302 36929 84960  
06679 08356 33561 25636 51044 02207 98374 04760 08172 26538  
69255 84099 23594 67481 44223 65544 40717 86872 31448 59946

38780 80787 85698 88093 31459 41302 60896 62242 68296 32422  
33474 21662 06160 16090 76222 20615 42899 89251 87312 92217  
30404 17876 04182 36621 09243 78893 56970 06938 32065 45982  
41192 91366 67969 80138 14342 14947 05011 10968 46102 09371  
93041 19639 76861 24312 94070 59433 64216 78683 32331 74832  
22149 75284 61241 05075 82570 27254 89450 83124 33911 69790  
09120 00000

11100 00000 45127 14010 01229  
68072 63614 24363 42568 27096 48339 27968 20165 11278 41941  
17934 72255 45442 93317 37652 85305 84442 64407 10163 16283  
96992 93093 71447 52891 35537 86294 54606 28176 78085 72908  
73343 31736 52967 71313 78214 84683 82426 51104 84062 70576  
06006 93752 92077 39489 69648 81889 54932 27411 91468 71875  
58413 58173 40110 29369 17997 20078 86647 32569 13808 34421  
15955 72815 12387 58101 08489 07246 48716 87488 28415 43190  
66937 55768 79023 58986 43196 40908 11364 90918 39053 26472  
97044 40943 58902 82450 01124 84915 09826 58292 16042 85985  
87331 05340 42519 42856 35404 70834 28375 27599 54312 30709  
01181 92699 54607 53314 55709 52035 80747 11315 82100 65462  
52794 83893 45691 81707 99606 16497 54437 19243 81980 30267  
10120 00000

**10975/9907/8184 kHz, 16-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 16-11, 1300/1310/1320 UTC**  
File 14414 (binary contents)

**10975/9907/8184 kHz, 17-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 17-11, 1300/1310/1320 UTC**  
11100 00000 18745 16017 07229  
54945 92089 45134 02565 53713 69190 69129 25829 40684 28308  
41013 41637 76172 60542 38917 28798 70008 69012 23341 89303  
04597 02938 01289 37735 25667 30088 82288 50129 30367 96056  
68501 83259 07429 43785 46095 00267 09054 91779 70078 63572  
59236 94457 59777 81013 28194 33058 47144 16141 27600 10559  
45090 98613 06310 49031 28016 95624 51249 12881 41743 30311  
23185 06395 85030 58057 82028 19051 29853 36660 81389 17015  
72639 51274 37049 04267 33661 80075 99049 01797 46740 11594  
82083 18297 06491 49636 33872 10803 65259 66747 46217 58713  
96960 92144 38420 99619 69996 45059 67746 00396 96444 49429  
46635 61974 49702 90873 71325 81260 67780 01895 91607 18602  
84419 86236 76364 44265 55235 18337 54606 62361 71065 78825  
36682 35640 75713 11985 45347 59606 30272 16129 11397 59388  
91218 02818 13518 07799 94466 85874 67083 88023 62562 86109  
91550 49378 77211 62713 11165 29565 84329 07241 68648 41877  
23791 61142 56565 50776 01085 42749 96053 84290 43042 94689  
17605 56661 04837 87635 23579 99690 20445 41344 37151 26204  
13747 48918 67371 74094 12459 15231 45016 04361 32090 45439  
08943 51585 22104 44545 47604 50303 91470 13917 25440 85672  
55803 55730 48811 41910 73273 21252 51171 46914 61464 63908  
02173 36512 12385 83081 70375 86782 47813 69557 94264 87876  
82149 88582 41249 57781 84988 61444 59346 19460 60578 31531  
51218 89813 86367 25802 25266 53892 77815 47601 03461 22798  
71661 61760 90601 98719 44843 57923 34683 95533 11243 03027  
33067 88403 63449 18887 64140 90824 51737 45812 49153 82553  
17431 78196 73912 36840 22857 83016 25033 20426 45061 37178  
20425 64731 25488 44653 38705 31664 92797 19329 77223 22506  
01025 44530 93393 03291 50244 45126 09000 45137 81956 33183  
82197 02949 66360 13081 76860 80936 23705 57049 83989 58395  
46923 87041 74854 74167 17707 23902 90562 93242 33239 89748  
97742 03915 85751 74526 65027 18953 62103 02643 40025 79201  
55568 60654 31466 83075 07013 71914 26214 90353 17661 29138  
95824 73743 00625 20811 72352 16622 63393 12385 98065 80415

38468 68193 78794 90043 04327 25033 95563 10865 63907 53337  
54225 15565 72802 66885 77756 64424 34348 66988 70932 47404  
03785 32083 12040 61479 68703 88670 51334 21672 97936 24544  
20921 29206 76101 30236 85748 45234 65966 79632 90410 43566  
65847 85673 81421 40836 54205 92097 09680 27552 38635 87158  
42792 48462 51447 50248 41948 05672 59007 67365 83027 82956  
77036 76381 26643 14699 09065 28014 66787 47893 50199 73468  
12788 70658 23430 14679 84247 05686 40631 78077 23659 92072  
05459 97843 56381 03964 00336 19557 52677 79453 24698 60204  
71474 58180 76706 85464 90562 51042 95597 90224 52902 90487  
06867 93247 83728 34803 37473 81942 58152 24849 93251 68170  
23930 16667 15716 41021 09099 38409 60446 27498 69165 45019  
64250 97056 53526 69107 93272 70921 95822 91447 89253 22130  
57900 79549 56123 77238 82076 67728 54107 55617 31393 77121  
93547 07288 22541 99075 45612 35235 81157 90359 12090 13122  
74163 53626 21452 34356 98848 01565 43373 53441 33376 28186  
38897 05554 78399 35671 88434 15274 44491 90222 64774 30416  
65042 05363 43314 41900 39354 76103 66671 75590 35582 12441  
05889 67041 08237 45594 85399 55098 09921 05444 63957 55280  
01991 92594 88704 98882 93832 93508 64579 48746 65442 12136  
06231 27616 52984 16493 64657 20044 02041 23618 45725 33754  
18210 71340 62777 31431 69761 50306 90505 68841 22033 94696  
12290 00252 08247 55071 78167 37064 66442 01781 15649 70612  
97211 32382 60543 95057 21916 81496 99997 91314 46088 56546  
44921 57957 57690 47805 74003 00030 14925 86206 16496 11707  
03287 47338 65945 13736 66535 25076 42086 31611 41285 23268  
43047 25393 49895 38937 55094 07142 31347 35421 12066 06872  
14795 28882 21716 72990 65486 36650 01128 18137 57731 60801  
88404 46376 54599 05447 22813 22673 99061 51131 10576 70595  
46229 34813 18491 09168 91401 08841 62574 64832 73598 77373  
83907 19439 59270 33679 28883 80210 35874 46747 76022 82615  
69991 70662 76582 62095 09698 75161 01093 55566 35842 20823  
09064 18655 91956 27322 84007 69581 47449 08193 00990 95657  
73804 70526 18879 83300 38439 03053 14503 57533 45938 01035  
00873 41891 81334 01422 96689 74673 35123 26686 39298 42482  
14708 60798 58290 16987 71959 05764 51940 05841 01572 92156  
33658 53706 89911 42113 40650 54302 19036 08184 21974 59440  
55581 36513 48176 95951 79198 27773 09702 26480 30228 94284  
96254 15049 81299 36770 74307 83353 62544 89167 04942 68714  
17720 00000

**10975/9907/8184 kHz, 18-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 18-11, 1300/1310/1320 UTC**

11100 00000 82691 17021 03129  
48845 27665 78454 46757 39471 81127 15330 18293 29718 79088  
58195 95112 12101 11632 70053 30089 15322 18925 10015 85161  
55974 93480 63371 75437 27844 70410 11611 13017 89742 10351  
65808 67701 37817 04759 11832 86785 73269 58251 40813 41125  
01423 27689 63291 89651 23070 22678 30505 79543 04050 97194  
11236 24217 33981 87004 97663 26345 10096 72571 38662 38082  
07101 72140 23970 75680 19023 94686 67684 30688 83957 07419  
64501 44922 27664 97506 17152 41395 86950 32754 58469 28381  
98775 50866 16516 18825 66019 32034 96218 32261 35842 34494  
75945 71443 51582 97772 42462 90873 64131 43287 12698 99398  
13710 27005 15777 64097 18001 23834 33730 07604 27558 48439  
24346 16091 34449 42183 74574 00077 45046 80850 57950 75251  
52923 82875 94446 55520 72785 22734 36212 75426 21372 79210  
27621 84166 56265 73201 13084 78374 08552 74771 91041 65856  
70272 84126 37593 77476 22580 16202 48191 69375 15579 43550  
70835 82698 35741 77224 29212 53044 21870 90323 59213 86798  
15538 13917 07268 46551 56922 60007 63930 12790 62002 51236  
31163 14038 42032 62020 46736 42652 51244 00791 14211 98438  
73700 88040 11912 27294 85259 09863 79349 47060 51558 51651

04519 77759 47983 41683 60510 18425 12545 59237 64886 37692  
67595 86956 60234 70351 71343 12138 39358 37045 85075 06631  
63537 29294 67055 40042 47280 27044 29005 05924 08031 40924  
16133 65640 04245 96393 96625 39596 10288 01973 71557 00518  
01584 68743 41142 48472 48459 73309 88269 72307 42109 81395  
65274 27216 01140 74283 94848 83087 32105 45266 21069 23356  
42490 58306 71443 99026 29573 86097 15946 67555 93598 69692  
33949 71288 48718 66918 25010 35135 30102 81736 24441 88172  
20699 91754 09602 38853 46049 16060 07851 58521 10613 90589  
42101 52918 74023 43189 74898 26359 90741 85578 36986 68273  
61505 64393 51269 16800 70045 38502 88134 79113 03491 74772  
13048 13188 79899 79487 12380 00659 31359 07592 08393 65501  
21310 00000

11100 00000 74521 17022 03129  
46263 57351 42831 88149 67809 73968 81591 16469 62760 19289  
80069 63440 46598 63763 30726 67416 66342 93738 96521 74333  
82310 38992 42335 63531 40983 55830 44203 62738 93675 39191  
43594 88156 40701 62191 38878 70571 05701 66548 31195 53450  
69843 52321 66902 73933 20573 40400 43799 62689 94599 06201  
73299 23542 19808 07967 15755 78826 85783 58163 31106 91408  
97644 11349 12057 99291 92850 67011 91951 23770 25698 10768  
44554 37048 49172 42385 17899 00269 48855 64058 69417 07897  
08565 27375 94523 99379 12426 62412 65840 24035 13054 37395  
25258 70093 20537 22368 96011 93851 91906 55295 06971 09843  
25785 34054 46317 27993 91898 82730 86806 48684 50133 65681  
49805 51660 38840 47779 00271 39726 37058 24287 89894 23165  
30351 68807 90562 55813 34950 72722 85341 58738 59879 74588  
09168 92448 11762 02899 56441 63578 71982 80669 97687 76978  
00908 65278 72498 69161 48841 21989 50928 84021 78407 54615  
80532 76792 28041 41742 61237 57148 71289 51952 15237 07415  
51591 36500 44087 36809 97238 22857 90198 57657 46200 57577  
44913 94515 35493 71917 70348 62145 34797 68645 27198 73270  
28992 53483 25679 62053 79307 59606 41810 34244 17777 38659  
66205 79909 54676 16703 77585 09711 03639 38545 58171 00649  
54138 48889 93167 62221 46016 83731 21515 58922 25747 70451  
30092 50036 89141 60037 08577 32646 40143 39867 07122 98806  
20445 00505 64063 42811 89580 54928 95832 79499 60198 33643  
66256 59533 18198 04107 77450 92582 82414 87915 49472 14362  
83545 74171 80937 58449 66997 52488 07777 18832 49354 14056  
02327 14104 83138 94216 79942 89270 09564 54974 05310 16085  
03965 30891 15662 77851 43590 86790 03070 49649 52442 60727  
23007 09896 02857 90633 21371 44200 78515 48109 97142 27434  
28560 27766 42891 94968 67515 65582 30284 39004 00698 84699  
32812 90939 79800 92093 02909 75709 18341 74565 45649 49035  
21661 67485 56219 53522 11159 94727 13344 54542 47461 03236  
22310 00000

**10975/9907/8184 kHz, 19-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 19-11, 1300/1310/1320 UTC**

11100 00000 89451 18025 03029  
68069 00491 35797 47884 58863 55371 15419 75505 61618 77840  
98493 80755 18409 20249 31615 95801 61035 71448 83336 59861  
42896 59936 78632 85293 38155 93421 15500 34320 94127 64509  
12117 48585 47827 77184 58008 98738 42607 73780 67653 46217  
05844 67129 59974 34427 73586 07571 12133 51506 73120 39516  
61093 31855 99376 27241 51366 88628 46127 54618 52386 94364  
77900 28454 93954 51956 53564 40124 93188 23132 37496 65207  
71406 06647 59297 05784 84396 83374 07973 05104 14502 70472  
71530 89305 97955 51819 57916 15872 85913 76912 58243 33509  
62607 45407 38241 83143 69073 19486 68863 94718 05877 31255  
31997 59475 13285 77337 62201 82415 52314 17869 10425 44621  
35096 22073 40629 30134 77994 27603 95259 97059 75916 05848

90506 97611 21251 50373 27284 76760 15879 30703 28867 04187  
49673 78614 41135 19217 43961 99145 56341 93446 83345 23493  
46360 40712 84354 45991 16341 29125 74341 12368 14716 74842  
79075 51447 60485 22255 42464 67504 73729 40299 26839 35448  
20284 89561 67242 66027 06501 39880 78169 33242 85064 43113  
36168 81142 57756 90773 86774 52226 86153 11220 49190 04588  
46154 86075 17157 10036 87304 90582 79457 50350 82838 87563  
08485 53875 81380 29689 90310 39626 96245 49724 94705 61107  
93278 43464 08525 67027 63158 75021 80919 21088 89117 59169  
53799 48049 46008 00423 75988 98252 91657 93547 24504 47778  
36434 15175 81409 76451 01990 61225 39666 90850 05084 09820  
36429 84536 27458 14360 37219 52667 57670 56478 19413 03198  
15845 13537 28489 31852 97274 20364 05459 53047 95796 29918  
08938 03965 92903 02562 80268 63954 23505 78642 25160 56458  
54292 14053 10261 25637 35637 83474 98117 04897 12959 80981  
68942 19492 08513 72698 02640 90407 09511 81187 19523 31683  
23539 06272 03159 58398 87195 11970 53781 47477 38884 34222  
45705 18517 91710 89118 87185 26828 67411 86292 06151 85860  
25300 00000

11100 00000 12548 18026 03029  
91113 72271 34274 72070 58482 95286 16044 93587 25412 06647  
56306 11722 97754 64492 65173 49078 23753 61191 35221 97223  
79683 45280 19953 52745 68867 10304 46728 25668 82511 92730  
75111 74916 95788 46141 36560 50527 97622 83875 16401 47276  
77592 07322 64030 99425 18408 62037 42272 71267 67388 88893  
51837 23161 85382 62417 91810 57739 96565 33542 42121 75981  
87556 18927 78910 97841 29284 04053 58763 27105 20049 52275  
32706 65180 73213 37019 75945 03497 97954 39306 44253 49210  
46527 77804 92954 63890 26462 63583 19456 19886 01147 96758  
15234 04060 27222 47227 38249 23560 02232 86668 41691 93346  
20965 63999 20026 10130 63923 41477 58251 42431 66363 33638  
95320 91438 41332 16243 37662 02357 55155 97446 83733 30923  
78788 68348 45548 94800 63507 75129 78113 64510 14327 79961  
52716 73603 59634 02873 34989 52766 40432 61750 53709 17534  
67664 52687 71245 64298 21031 37838 91611 54319 87757 32990  
67054 90398 64734 12020 89105 15919 72473 70442 75055 90943  
54327 15220 85769 25041 59385 73033 35786 71545 32515 34201  
81642 12923 59952 74419 99357 91946 43912 21533 87018 68351  
04630 59507 53390 05672 33287 86795 78510 17938 44246 71289  
57188 30924 00051 69040 61348 37638 07609 98933 82170 52732  
09005 90508 37937 95530 15381 47115 58553 56353 57325 91583  
82658 25837 50193 86605 28277 91917 97813 47007 22932 34195  
83011 86105 04185 70328 18382 63337 26510 34185 55757 25335  
35458 90408 77800 57661 95041 15100 20170 89364 79286 97302  
97684 17558 63872 40971 32930 44204 78809 72121 10743 42302  
08099 80840 07020 93639 47285 52845 65264 65333 54875 70284  
19345 17314 58526 86464 85862 57962 01969 04188 74600 90071  
43579 12388 90466 14335 42560 60764 25387 82535 93649 77082  
63568 17638 96303 56837 48582 42949 69288 79976 85705 87564  
46627 34352 77949 60259 15818 50606 19214 09026 84290 78161  
26300 00000



**10975/9907/8184 kHz, 20-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 20-11, 1300/1310/1320 UTC**

11100 00000 67143 18028 03029  
34882 42416 53656 97944 86013 15482 13339 04730 44908 50327  
67070 59110 86349 09818 48891 04805 71487 87468 40217 93093  
52784 00940 81078 57807 42736 04384 75617 61518 38547 80580  
96492 36349 19955 98789 17911 67857 62377 49268 31951 95419  
32591 90382 27881 27555 59108 69255 39148 95631 94449 01891  
87730 94389 11503 23700 80547 82711 01150 46382 37600 43095  
63343 82091 56537 23241 08843 20818 43345 08224 13764 71937  
63823 96649 94166 05855 95560 79267 92835 56684 85080 43455  
95462 71902 39851 52022 18408 19907 09848 69761 35232 91428  
38354 36205 34186 55728 86682 07994 23847 57511 62517 19325  
29077 65507 06552 33896 44514 08645 17119 86794 37765 60764  
17488 39768 19487 59796 95540 98302 22558 72360 70481 63964  
57518 39705 66295 20427 36463 65931 96630 76629 82582 34444  
90793 15504 67532 63560 15544 21697 43827 37219 72375 86745  
64440 71716 74981 15123 06791 04427 36575 79605 43325 15424  
21761 99388 25859 17957 42651 39399 75875 78703 03901 54234  
97976 53751 26358 25166 58659 51241 04019 63653 97610 56602  
73966 79790 63717 81325 03985 39138 92959 21211 27541 56369  
70396 35023 80814 99168 43414 79493 21463 00826 78435 61611  
33821 04955 78269 94132 50201 90779 02299 65255 43010 52429  
56682 58384 67337 30665 46767 82939 58733 20492 08890 02130  
15839 03092 63768 68645 22580 75497 58660 04185 89583 76471  
90469 83783 19534 32002 27013 10850 26132 68876 68605 93872  
61363 69751 17173 60717 30749 68163 45070 71467 01275 06927  
80787 15726 31681 08336 53751 05340 79809 29634 65381 98463  
66678 02164 78615 15911 01994 77649 43071 35726 00767 30049  
98044 76923 45735 86406 20526 08316 75271 85146 10422 43381  
01470 85245 30176 07104 88092 74725 40967 85721 43067 51897  
02679 95326 05226 77792 29824 30246 29969 23232 20623 77147  
03538 58953 01396 05804 40596 62247 53495 72456 44790 38534  
28300 00000

11100 00000 24867 18029 03029  
72780 91196 68245 20522 53144 77745 59694 46594 04108 17905  
98821 91983 70332 98041 07763 93897 45538 00213 39067 01393  
81534 91054 38881 85017 05156 50219 07876 35215 79043 18045  
58371 41689 67221 67163 91090 70913 91385 27706 39973 83970  
88856 20823 58499 61911 08131 80185 45955 30824 02967 66162  
37071 03797 10943 02363 03486 81958 27426 89230 40452 81793  
10887 74370 37247 80910 80504 84310 54704 99460 91985 47367  
58309 59382 02551 62318 80304 88664 61018 92561 09237 62827  
83917 90449 30378 00782 03581 81485 65466 57285 99143 63077  
85197 79161 46389 97518 92915 17472 47383 03906 02922 12841  
25830 78661 61856 96107 99085 99361 86587 71500 62773 91554  
17030 74512 48927 63247 07355 21679 43618 36761 04011 94433  
74984 32638 83995 24232 07606 85281 51828 71136 04172 95028  
18640 13043 40367 46331 11835 87739 83917 46736 88761 54986  
73733 66362 52817 70800 60090 82542 95429 91135 91783 59339  
12368 47149 61186 16600 67790 59227 43159 68260 04502 81979  
88750 34571 23819 97369 59609 57932 83523 98179 14065 77036  
87304 29002 80800 38992 64145 76921 81069 54134 61094 29111  
85370 23182 97849 39494 15549 91464 56590 71686 28232 09873  
05513 10391 40560 07238 79483 58435 84129 03835 66267 61646  
98108 20670 71752 28740 97440 64267 62623 38421 77084 91630  
09904 50874 38233 85064 81830 65838 47435 91547 59463 94456  
64570 06345 73500 37069 00603 05547 85717 84166 91063 57219  
63471 82666 96194 65857 20709 34707 63678 29821 23923 21157  
14921 16458 86475 67009 40789 84574 99748 90869 17772 08973  
74543 05700 80481 86717 91169 63028 11445 29825 81669 57805  
34111 74079 92602 36083 20028 58631 01836 72720 46105 56101

87777 11297 62926 57849 74486 83413 60018 44111 01102 49584  
39044 93681 89023 28890 30836 12844 05284 09595 17215 88217  
45550 57902 43533 93220 85193 67048 32878 02837 71859 13910  
29300 00000

**10975/9907/8184 kHz, 21-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 21-11, 1300/1310/1320 UTC**

11100 00000 85412 18033 03529  
56972 85644 90561 20693 12985 77079 08009 26387 19193 24062  
58873 41617 05657 36737 68068 36929 29954 02283 42956 81419  
74072 88133 83171 60654 77727 27318 01109 47803 37799 34378  
95223 38935 28557 25278 43368 88416 22391 39766 08322 05337  
15702 89609 72724 96912 89663 81147 45587 69799 60538 85596  
07576 25251 99217 55547 87249 09065 24708 11094 85444 02251  
01211 44025 89988 63358 93516 13524 47936 58400 60381 31802  
87512 39316 90579 63118 06949 56906 11323 84617 72401 19170  
23725 82410 92138 31003 45008 81357 59188 76169 62137 31975  
79625 27504 26561 02911 28696 96267 44759 52423 01957 56607  
44278 77295 53624 06048 19939 62643 39318 47953 89908 81020  
05385 06905 16328 14295 91994 12923 70170 96703 42188 15473  
45031 02547 34079 13199 49529 26940 78376 10309 33004 33075  
48437 35567 24216 64420 35015 84815 87701 45300 42915 72970  
27508 18293 71722 06429 92973 91880 47803 11818 66245 96788  
99761 82041 36221 74458 94543 25534 88609 46081 76370 29687  
66785 35644 75693 74366 83141 45408 80352 56466 85603 07268  
86135 11439 09021 58435 68911 42729 66101 14865 45540 95059  
57586 40878 15735 32502 06348 38419 02072 07271 45108 04366  
30332 30172 12448 29357 17357 78657 36814 36556 58620 03411  
13194 83789 32688 19401 02161 77509 64761 92356 05963 72003  
16491 56580 01358 52300 94245 25047 33867 24202 93028 77733  
03144 59885 18227 39095 94148 72501 52370 80656 33805 18223  
59112 09620 77832 49168 41594 29460 57450 65639 97396 83424  
40621 41116 37255 16876 87539 18443 59745 19430 05045 00643  
99092 32807 29648 84796 88334 35351 93858 12428 04989 39138  
55498 34831 91435 60628 94693 16771 67187 50785 08230 27012  
75249 95606 55953 89085 29745 23004 38920 90760 56996 76964  
13961 75639 47251 44941 74363 65318 59245 49395 51360 85551  
44781 39443 16092 94862 85508 43535 86762 39027 59112 69106  
70646 79877 77070 60142 95647 71856 61184 48586 11104 84768  
51075 60532 62507 96152 59807 63147 69847 01731 19865 63247  
64248 17347 86626 93472 62594 70865 91564 46997 84838 07429  
62329 46715 43664 56547 51917 59831 61206 34437 44109 93804  
92505 80043 27369 34571 60389 48205 54377 12999 31468 08377  
33350 00000

11100 00000 62354 18034 03529  
86191 30052 40247 62924 45862 88620 69241 63930 07534 62494  
77816 60950 53879 53101 88423 17776 36555 57171 51977 00287  
16476 11874 92284 92335 12004 79501 48224 00407 90982 51394  
12124 39228 67557 75794 87755 15533 89716 39302 16407 52144  
28498 56648 44456 19593 04786 48441 30880 67429 14648 11598  
18149 72436 39143 12135 14937 45924 49543 55012 64081 67292  
43894 10712 94238 36049 75870 03245 78667 59479 61848 89274  
49578 18139 77139 83032 41484 76370 77324 06729 62000 30030  
05619 71139 13511 08600 72209 16051 14165 73895 16510 65261  
91618 82526 88255 75816 47969 04332 08383 86171 19320 13943  
95640 92969 78410 97693 69851 11117 53753 43039 67773 96848  
63705 02684 32503 38470 88928 50610 62342 44460 31656 72182  
30081 83626 35221 55521 08626 57000 62269 76337 63912 06153  
55110 93411 01046 87629 26622 96900 74590 68183 55174 76665  
98970 20497 81979 02812 19897 24075 34331 35614 32771 01011  
23159 07034 58992 41295 88330 41000 16125 97364 90153 04644  
42837 52580 70498 07689 64572 93311 31994 92162 10875 39329

08725 79631 20318 12183 26868 68143 93961 46252 78711 96068  
83288 72166 58486 15010 23546 27269 33457 39000 48437 72827  
48700 62138 47097 22660 89008 61889 49295 12884 46370 30196  
49787 67460 66444 99627 07781 39228 72481 56726 82418 31113  
90122 59745 90250 27201 21512 02984 95603 88362 42169 94869  
69806 92115 19048 42022 80196 21409 73225 56439 94849 32029  
35655 28030 13972 53298 69432 29662 63884 01768 56990 46914  
14552 12581 75681 49728 06574 18203 10173 48138 98590 29203  
75099 99271 71042 96768 46401 57808 47201 61655 24796 87078  
17436 19238 79817 73005 77634 55375 47853 08051 17720 32749  
82628 37379 21210 32392 81567 84413 61738 80072 36469 97973  
07496 12228 81942 88179 69515 61141 40024 43321 54739 64042  
84432 44861 09815 25820 72888 22777 66544 90035 20933 18425  
24939 97928 15693 47101 34801 40094 93022 77508 61786 30520  
26463 70297 48869 57688 01456 42880 09158 92397 73243 52701  
11002 57024 31907 16150 41309 85890 22961 05310 58032 31438  
96959 89726 67754 95881 86541 15375 89298 93047 34350 38035  
89323 70072 20278 53234 00822 43650 61459 89972 60466 30516  
34350 00000

**10975/9907/8184 kHz, 22-11, 0520/0530/0540 UTC. 5 messages**  
**12218/11535/10162 kHz, 22-11, 1300/1310/1320 UTC. 5 messages**

11100 00000 12345 21043 01229  
93805 90523 70699 11101 18549 47184 93262 92767 33934 73316  
39773 53675 25855 97868 27403 16869 70454 81122 30395 92695  
90152 63567 68166 38079 43749 85182 45461 76036 17805 11060  
24249 73904 11467 24324 32038 03678 31953 72266 36311 32923  
42857 76639 39760 19697 32480 44056 76002 09899 94361 37413  
10483 60511 37216 94299 76230 37150 66443 03303 99174 59372  
04407 74174 92690 92169 41677 62770 26073 07104 36416 36721  
96632 61488 04086 92758 60075 69097 64693 61643 98889 60793  
39723 61624 33392 58553 15982 86369 05150 11296 18511 38315  
87444 65972 59779 43351 02479 72347 57326 07802 50010 44900  
37051 03621 77093 30308 64336 92754 43627 53915 70188 26596  
63386 43662 64584 81477 25236 54876 54219 16134 24199 44390  
43120 00000

11100 00000 67890 21044 01229  
77254 02438 90853 50802 91882 88867 81140 51438 33558 52105  
83647 55614 12939 42977 15170 35661 08456 12498 00092 35057  
20284 50487 07220 71348 78714 96163 46483 38392 49099 31639  
80181 81348 00577 94270 28469 42867 30740 68790 73771 03899  
63467 45161 93812 67580 62068 53094 77934 59615 24960 09157  
06423 43602 56043 37428 97487 74736 26982 49611 51626 40335  
73553 95573 48022 60610 93279 20217 72690 48137 36506 87647  
83048 49446 08129 58559 38595 17188 22158 31781 52398 86297  
76293 85920 43060 52602 38709 82046 91870 77308 64238 13337  
34814 65801 82130 12642 44131 94205 22589 53898 79120 82129  
74255 08318 10861 35041 89844 41310 50552 04717 82112 61056  
36154 41183 77336 54690 57012 34605 18514 73003 21165 70556  
44120 00000

11100 00000 65897 21045 01229  
85572 27022 35754 20374 40871 18349 45784 33485 01205 93815  
91597 02520 34018 35041 78340 13443 45277 27594 87547 17357  
82663 45706 44443 85773 05665 71448 57610 27695 64737 59331  
85708 41955 56748 82243 10924 03241 48872 19678 23861 05258  
88126 74178 49525 09454 38746 26954 69131 72740 14573 68582  
17377 52671 98657 65752 59908 13485 67248 49977 80639 81471  
60370 39224 33631 23095 66165 28380 39197 44295 11197 09513  
28945 34437 73894 07854 69427 03308 63332 44432 19093 84630  
30527 61317 98227 04518 04441 70393 76569 38293 69885 11599  
08288 04146 29495 31589 69015 67027 16986 18737 74613 51242

53857 55421 86367 85169 66748 73540 32297 26551 07619 24181  
99258 41779 43956 97389 75547 37630 11185 52976 48664 68877  
45120 00000

11100 00000 86475 21046 01229  
20776 60630 49736 59775 34296 62448 75504 00045 32936 42802  
16457 17796 72091 17804 23822 97563 91392 45448 61772 06179  
29863 20141 73799 93403 72810 25917 42550 59843 35146 71783  
60298 78080 10819 57631 52260 77975 43045 44152 19919 32056  
95033 25197 96561 01953 25882 26009 32211 31796 01335 75778  
50136 99528 94096 27948 42137 62069 53382 26711 94779 55256  
48392 43138 63781 34512 15399 29370 38730 67174 63137 64313  
65312 12422 16185 89284 17262 49733 01011 57019 35192 41820  
04396 42511 74515 42973 58900 89099 29636 88751 35068 88244  
26587 27958 45056 16442 01328 82842 87385 77689 05862 48455  
87481 24972 09379 67105 13711 59174 86602 38858 73588 28889  
10536 53991 19853 79520 91782 58374 21090 25164 31646 87693  
46120 00000

11100 00000 46287 21047 01229  
85999 86231 66954 76039 12032 85866 54609 72160 34095 64699  
97502 61020 04187 13154 74971 50423 91865 06735 78092 38499  
76532 61175 54156 79838 96839 73223 79364 92738 05663 89267  
70694 62241 04081 68976 72847 18678 52797 36148 81248 96369  
84432 33948 87006 02206 65147 26742 54791 48765 79005 15686  
69553 31680 33537 60277 13035 55923 09924 23051 55997 40708  
06262 79610 77113 57690 47314 61173 44453 82162 59216 21824  
20510 61911 32551 47666 76692 33458 22253 50051 28236 40329  
57747 10083 25451 33079 61803 66570 62264 55733 01496 64633  
87981 48344 19747 07135 33206 20355 20863 76139 85860 74438  
08522 16566 78239 85523 99629 99249 71040 64680 62500 05579  
45293 62555 52785 00900 38155 92048 45598 88880 83472 74909  
47120 00000

**10975/9907/8184 kHz, 23-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 23-11, 1300/1310/1320 UTC**  
File 44451 (binary contents)

**10975/9907/8184 kHz, 24-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 24-11, 1300/1310/1320 UTC**  
11100 00000 31246 23054 07229  
86980 33132 71338 71786 07101 03830 87314 24173 31828 42915  
67323 83758 10587 56381 10649 68534 16113 96844 00065 65871  
27818 49125 73526 09762 11737 98756 10422 30817 64254 19324  
12060 77447 11773 39603 81080 31678 83540 76412 29484 68032  
99801 44129 69953 28913 42469 76805 70175 14930 00502 23809  
74827 13604 07186 04951 24931 14888 11481 36015 29260 86944  
50655 60635 67484 10608 16363 49460 29734 95984 31373 52538  
22286 29612 79127 15868 94047 25624 53321 98035 63523 79359  
19688 47904 50969 46849 07183 29256 45395 98615 70738 03362  
61133 21232 92803 05386 63633 65067 15829 75584 69189 61667  
22900 31221 48278 59191 08707 90147 87199 49366 08024 81975  
87702 84369 73904 07791 09289 07099 22768 34334 83882 43258  
88569 33596 57542 28688 53234 03757 38922 70404 45556 32415  
59152 64748 25737 88033 72829 21114 97757 50551 54819 64678  
16769 17089 72534 16568 83693 43691 38399 74907 44213 09040  
72167 45188 34346 11081 27801 93382 39796 32494 64580 20258  
61246 35955 67138 80312 02810 75111 44120 93785 25807 32223  
60124 25163 35064 18403 80652 26627 89913 97389 34720 69891  
57099 18790 24837 14844 47755 71740 39036 88447 05653 94906  
44646 72330 38913 03773 68479 22510 12360 21154 93143 69675  
42698 21869 24149 73481 63725 27507 07505 29280 53734 12233  
02490 50729 42325 05566 39291 76724 38792 03065 16187 76077

49276 20864 15974 48388 74882 54994 46316 44549 07939 31423  
33707 55313 68584 57758 25739 41362 48883 12552 81350 03324  
56636 33131 53756 15163 76098 87908 95743 69392 87768 44102  
42005 07530 14454 66800 48229 34258 85791 10312 91602 38704  
38411 87740 62428 71291 93931 29723 01551 49591 81980 68252  
63260 91616 00415 06556 08381 99997 29939 60923 57217 45471  
45306 85466 57053 23125 90285 15711 43890 79829 08592 91977  
03107 36310 47953 48495 58739 52268 79518 79155 46055 08022  
99773 15886 47119 01081 07177 80542 94035 81099 70681 96278  
69550 71649 32340 69333 59709 52244 11182 77152 38246 99056  
00546 23809 87408 07765 76057 48633 84882 46960 56436 99014  
11534 15567 84329 03293 59623 02700 19342 04688 46206 73397  
60471 42203 61393 28675 40118 89438 06161 13333 56867 87247  
99401 69954 39230 31183 58899 62528 57523 99667 85915 18148  
26090 33818 08084 60202 63028 04872 60283 31520 99641 30151  
08193 30883 56767 23491 44208 11361 30200 91084 10411 13899  
52378 08679 28272 34599 22532 41042 39783 49124 22467 89671  
89706 42675 60194 79647 03612 18967 08565 21590 41420 86650  
31121 09656 31105 46610 12341 41495 12270 28581 34459 71133  
44272 50512 68064 30691 58583 99132 68652 81888 60078 55138  
96315 83281 06936 11448 00779 84146 23839 57960 38941 80973  
28168 31262 17136 97485 73865 52697 75274 74134 42665 03273  
55079 78010 37372 08804 19588 69092 56879 33756 16104 83788  
57614 07218 99808 21695 31097 29434 60184 46523 52296 32349  
17478 37112 78473 92588 81356 49487 03212 20322 88964 75888  
95295 72435 64559 11704 77148 63469 67920 66254 22510 72735  
23714 78370 78032 71073 48998 22675 38498 15664 21066 17545  
30330 86356 52805 70656 83096 61927 67765 23072 93690 59726  
92119 77800 12872 87131 05709 23762 08854 78266 19352 91109  
87642 14398 70619 98824 74788 51477 55249 80544 88256 03232  
36388 99543 57097 53272 98863 88821 65608 94636 40655 77210  
27664 20215 18761 87473 20919 12486 91649 17300 35551 06014  
25478 39154 17255 21135 56271 79906 09148 92266 25239 66189  
22303 39293 29431 46414 89569 55447 54911 25384 82393 10138  
84634 72437 95305 90153 98221 89076 27775 27684 05818 46992  
18118 88594 83213 32445 09137 19397 00433 57929 50191 76337  
60957 27059 65381 85065 93785 63613 42528 04296 65515 40684  
22649 91915 04622 70851 94599 96972 55148 43340 24590 25976  
01960 19077 75243 56954 34780 19604 93892 99700 43179 70773  
74811 25652 59706 87163 25048 15831 93356 08158 88569 00293  
20555 21622 08383 87514 25850 36111 31345 07163 09499 87555  
85326 14675 04137 91353 83427 31099 67716 75813 34936 16623  
44899 57879 67711 01232 14101 47078 91672 20931 62358 88631  
58100 32977 55224 81663 94418 08545 93862 33438 19154 26279  
76544 35578 66758 15154 06721 73185 76984 20099 14870 02820  
28497 88804 86293 60249 21409 03163 12068 83937 38434 03773  
05321 65178 39341 80950 50027 60835 68389 30678 74516 29619  
79447 98936 66868 77824 08474 62850 74397 25498 48042 22086  
54403 28929 03615 98947 68374 20451 36233 70593 36848 51442  
21328 81824 97085 49503 78324 11876 30783 25727 50742 93647  
54720 00000

**10975/9907/8184 kHz, 25-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 25-11, 1300/1310/1320 UTC**

11100 00000 75396 24058 03129  
95752 28919 14831 86713 92343 49551 95727 26646 03139 28610  
63619 64929 67868 14828 87530 48514 05448 98551 73087 49939  
75612 38696 91001 78504 78550 79625 55264 39983 97201 81426  
68233 30802 11926 11988 74800 77640 42220 74341 92827 58367  
95175 67687 12048 65265 25360 05555 78599 96488 35809 39527  
07401 86661 74823 61967 89541 12593 08256 86189 86879 35014  
71965 27506 31036 62295 34146 33596 68966 47069 22196 37620  
22310 51704 93831 32531 52689 43562 57126 90016 50155 05979

69159 72501 86964 75901 67970 11661 03882 44131 17497 51863  
 21176 79092 70191 82011 91529 60082 77000 04180 37013 30922  
 99397 12518 37336 09966 03146 80843 61558 17385 38496 82359  
 60437 05684 36494 89943 61620 04366 76087 30438 34837 14710  
 01722 91381 19323 15567 96115 03621 30613 66144 37891 48238  
 88939 16690 98765 61232 36380 63023 59971 34391 34978 05863  
 52612 35796 62998 00865 51618 98384 51519 10324 78018 50027  
 28540 92478 89190 83540 62801 89345 61786 90076 24493 99024  
 97028 04334 05054 43421 03050 35019 63227 67309 33975 79001  
 89588 29686 90427 42597 06704 73344 11150 18416 47130 83606  
 10423 91216 76432 72154 40973 71199 53406 46901 87064 78182  
 44692 53827 17438 25091 35980 01729 52815 74197 06979 05819  
 27634 64563 62339 11108 50711 34099 35729 81510 94521 84694  
 09231 65607 67768 63855 15271 75013 50955 61278 13245 36269  
 99623 43805 58041 02219 44957 77195 02653 33788 46437 08151  
 02046 88110 76238 05031 10495 73945 40042 80700 89564 60311  
 63975 45939 68912 49285 02340 66859 27122 48893 45833 24763  
 84735 07045 34949 01875 26689 92431 08236 41399 96319 33337  
 40106 55324 28151 50305 47891 78418 11630 43575 72812 91860  
 03013 21258 64569 64929 27579 79156 24231 88203 39366 68198  
 85115 96698 30612 10390 36339 06382 08093 49255 18736 12513  
 78540 45677 47823 23224 10332 55085 43509 26804 63633 46940  
 71226 16103 06189 52423 24170 18510 56947 51304 01351 04927  
 58310 00000

11100 00000 15932 24059 03129  
 21962 20162 92898 65687 02229 08304 82400 30893 85394 53084  
 67362 42531 85434 01106 39454 27281 52423 61120 09318 47706  
 20923 89701 53632 31319 24085 05512 05246 14990 84416 86885  
 59808 71866 17145 32393 97348 13004 07114 89078 42228 80891  
 45155 78067 09913 77053 34868 72221 13999 90929 05751 05529  
 31929 22207 93613 18928 52836 13795 74214 72234 55959 37638  
 61053 76880 93052 00542 03273 29129 73250 62208 44580 48479  
 73798 82671 29156 50919 25108 41304 65462 11743 43561 94601  
 83903 97595 10508 64922 49270 72452 20897 77369 13911 07206  
 49964 87006 22557 47554 11434 63594 04746 19880 05651 26032  
 15787 79804 81104 43692 12192 33102 57760 46843 72519 83671  
 85645 13334 99562 88235 37131 23740 64832 22481 56336 02155  
 81249 88294 14107 84809 15008 16816 41990 83717 72528 46967  
 43657 37519 23456 84164 07199 66724 45617 68891 66744 75543  
 02901 09821 86824 67475 91976 61178 67939 66860 18805 49029  
 96740 63579 90865 76181 89291 23078 36051 60385 00824 28917  
 84149 85524 00443 50026 71872 70483 34199 49852 57349 85374  
 24996 79590 55032 69818 82729 22688 26951 32963 23135 82797  
 91251 39927 18757 32383 33958 14360 30486 64152 34892 11795  
 93098 12511 43696 43499 53239 37224 66883 55496 83284 86469  
 51867 92450 19516 81480 78901 01102 98054 89944 96857 52942  
 86982 80375 63803 90817 38096 74617 78288 29136 06722 40686  
 12302 62390 13039 93128 81820 61650 43345 93092 15898 63752  
 14697 65287 10215 82832 51366 74024 76058 98923 46558 25534  
 20630 03283 07812 88734 19649 05154 09532 51648 68179 29630  
 01092 55645 20610 61328 43935 74713 55738 13550 76118 31929  
 27888 27612 27739 70325 89996 32045 35671 20344 99616 16347  
 31059 31053 43762 98962 98009 57324 43543 94204 26898 20152  
 24518 07771 10753 82309 63711 15581 58137 06521 49226 05583  
 20981 88337 13390 87247 60779 80917 25380 98425 01617 53875  
 54251 64248 43441 53415 38314 87771 34032 55907 21802 77047  
 59310 00000

**10975/9907/8184 kHz, 26-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 26-11, 1300/1310/1320 UTC**

11100 00000 85214 25062 03029  
56227 33512 94564 72628 50100 14078 46277 39954 52327 62099  
15254 51356 52767 35636 10622 21582 45729 84139 44158 07153  
76988 27277 43179 64542 03396 96746 78361 83053 26032 45770  
29952 09593 82821 55947 40784 07527 11571 96159 29557 16808  
19340 13213 62799 07557 19112 58909 08966 44290 19676 83227  
23101 02980 79675 48305 35499 08132 61753 42912 42820 82072  
47727 02099 25067 23627 00748 61700 36895 58384 85354 02408  
46662 27729 81391 63059 21683 08827 52698 27868 83100 82763  
56529 17263 78832 93007 04632 37025 48016 61392 11921 65417  
75397 53816 93690 82987 59101 12819 97297 74734 40208 99260  
79252 59326 67599 10253 63666 25054 96481 65554 42968 77216  
44047 79617 06864 26614 50696 61451 10438 73844 20267 09517  
17364 69083 37703 93828 79143 52049 87607 42441 36326 01825  
22099 74528 52628 51226 51438 47228 17909 45424 55836 08441  
80925 49471 41892 72778 97816 34463 92098 62839 07239 96982  
80852 83010 68108 91543 55408 17967 20871 80705 05203 73075  
58251 32556 68004 98872 16406 20236 46312 66818 22428 03211  
32450 88499 59135 94963 65783 95485 33085 46803 70506 22014  
56740 02474 47438 57690 80743 03245 18247 62401 37220 48193  
45567 60619 80053 39331 77423 57291 33074 66294 89415 42496  
82093 10267 23088 77054 71726 71834 43930 76292 92930 52441  
67452 34129 72211 44161 26749 54687 98422 07448 80014 83612  
48101 41561 81441 56280 95274 77361 63919 05095 16682 47151  
07006 93048 28339 11259 88576 65745 14390 46038 43608 39063  
34178 22995 78528 64650 18485 33704 14573 40445 90859 40223  
58571 58395 74985 55668 24630 06579 74019 84670 55115 67903  
32843 78372 14402 82574 19161 83663 53806 66522 84378 91341  
71149 02975 90212 12895 13392 49357 11954 40573 95761 26718  
54330 70454 35838 83857 40907 93188 26000 53350 62955 82097  
92698 41655 98733 33334 15987 20486 39116 37772 07730 11649  
62300 00000

11100 00000 93175 25063 03029  
49293 82021 42387 84882 10979 85940 90099 17462 11035 07462  
81182 76470 55219 29858 79329 92084 27884 17237 91876 09932  
76970 83312 32385 97801 16305 46596 15367 12998 31105 01710  
31572 72518 97651 61485 77275 93264 53063 49569 36012 94450  
76094 48190 36187 79405 64916 30796 33004 38965 22803 34241  
88145 43628 87666 50206 45646 16666 66376 40555 27394 05387  
59802 06296 96698 92724 89519 64841 63365 16347 62104 15269  
28705 87474 31974 96243 93928 26591 48696 66310 80356 58239  
99701 61239 34878 32082 84356 08105 19110 62423 80308 00793  
05677 03373 88065 66618 30057 01846 64727 78748 71445 95571  
82816 94111 61038 48327 75147 21482 41211 39547 51664 49424  
24011 50527 99193 88796 22394 14392 00036 09488 52667 22024  
30356 76075 31550 01134 24281 12108 16304 10660 14671 47676  
61367 17696 86477 29982 89932 49117 03648 01579 03902 35108  
95488 75975 80653 86764 13452 65290 30075 74970 94263 39644  
10271 02733 90333 22984 25414 88156 53396 55009 54156 00258  
82304 73906 82043 14785 70926 99575 36373 82263 17072 22021  
46929 25420 78397 24615 81036 08199 86216 96907 26366 43541  
53159 16678 19935 32124 35620 05910 46727 49246 36922 90376  
56396 22044 62148 17536 71451 64221 60564 12403 85404 60497  
16581 76106 74284 17941 75184 56804 69968 26391 12786 47650  
68774 95140 89406 91504 73736 58086 43156 97056 94013 64516  
12934 96080 49865 97734 00285 96471 56628 88696 06357 10786  
86137 16863 04896 64945 29023 15443 37205 16818 06327 23213  
40024 39334 03871 50118 42250 47851 27818 48820 91445 76443  
04859 09395 96066 32802 75471 19358 94356 86433 53676 56216  
85829 69856 51742 04719 86301 97461 93260 16008 92374 31744

63046 50849 66355 51583 67286 74135 77499 02259 02380 92839  
60554 31899 55909 54620 77519 44033 88180 49257 93570 20955  
67758 80099 03074 97563 59452 97732 66645 90391 88177 13032  
63300 00000

**10975/9907/8184 kHz, 27-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 27-11, 1300/1310/1320 UTC**

11100 00000 32657 25065 03029  
62303 65781 91634 67930 33108 45304 01812 06928 95133 22952  
89266 48397 63976 77264 24511 08929 17769 49859 45386 01532  
15584 81188 54616 17152 73743 35851 65117 44952 35983 97144  
91493 23548 98393 35537 11162 40398 75089 80758 43548 21513  
15537 52190 20784 78694 09482 27239 48343 06476 40405 52396  
79060 45959 73462 26649 48964 57733 88821 11950 48366 71064  
96358 50427 26639 01539 92631 93006 54122 54351 46079 69167  
89600 55432 21381 52477 26782 77585 78914 01637 18212 53834  
10247 81678 00079 95170 95597 95050 66323 54874 94217 77231  
65513 06610 03606 36597 18899 28480 48521 43208 83101 10218  
85713 96209 05876 25715 35309 24533 48361 38076 74801 00590  
72288 29362 56577 71630 15557 72250 34907 38481 04631 85759  
13355 36320 77191 42250 48530 97195 13476 17887 71129 98969  
99748 03736 10192 30380 72340 19702 31527 26891 15686 98483  
26232 57046 12807 31728 10244 63987 71674 95594 20870 91842  
75885 97886 21222 51657 33094 13958 48505 06575 19635 03583  
67082 80934 44773 25958 12275 22984 83026 95047 35806 75894  
47982 42439 88857 36765 06064 79914 03657 08299 53674 78912  
59528 72844 06151 09066 44369 43492 71980 03022 47461 71901  
10704 39708 44573 17557 97948 63250 61286 08141 46026 79716  
25476 45703 53537 98884 44894 38318 82417 13216 70788 61923  
85858 31223 33489 82013 35549 07420 60910 89890 21669 36039  
15896 33152 24073 00713 13355 45103 78109 97288 03113 02782  
83495 71989 29431 68285 29704 42077 03117 93090 36290 91239  
47173 90036 31596 56862 01918 02687 18269 51383 00519 26729  
99041 84922 50866 63119 61195 81359 84741 07654 43154 05064  
60202 06650 31653 40456 28128 33425 62895 91582 98864 65277  
26166 93903 69907 65623 93314 55474 00546 01014 22560 69704  
44434 47694 10045 66895 75993 67404 87584 96723 71613 57101  
90044 58877 31567 02301 40779 24021 53586 88717 28587 12282  
65300 00000

11100 00000 79641 25066 03029  
48901 88573 89033 94225 21700 26802 16888 44698 68234 21250  
52592 13492 28330 26096 17307 32765 69488 87417 59271 07942  
15008 77537 94272 63830 93290 35325 75903 39655 31787 29638  
81539 62711 43994 88105 24987 55314 82974 58424 31712 54742  
59796 94361 37622 50851 50373 83657 97305 71051 39105 60002  
12690 67343 72777 66291 18047 85079 23156 61328 82279 18166  
81707 87182 14432 80360 34883 39368 83367 47388 93411 07053  
87528 49536 74030 75463 35751 19424 57099 07699 25033 24639  
68523 48107 26225 39925 59439 14453 13570 38607 82084 71025  
99012 07938 85299 99896 57254 18064 78098 12517 52444 99291  
34738 68818 02491 07338 39734 96038 41888 81258 96249 24427  
69029 23739 46308 82040 88927 58440 76252 15810 87273 44077  
05903 31052 96795 49925 84834 66645 41828 22442 44233 48017  
72049 97683 77743 85165 21311 39221 49765 07881 52504 06216  
54628 55364 74402 81376 75082 62427 41409 13451 13537 09460  
72154 53968 94501 28361 47880 92896 61648 81604 76541 22924  
17943 56647 33577 87033 82276 42848 15267 89067 61045 83097  
65635 71970 58102 17344 62818 93389 71532 60200 75846 53335  
50673 79816 27771 53570 11834 70214 26083 93429 36140 34266  
46343 31755 97946 19500 79983 69624 97252 73934 82198 33576  
94557 14107 80879 64006 71601 22512 32508 38428 66409 16608  
35976 84281 56107 56602 40243 60987 85913 84188 06782 15919



67768 09430 12743 43991 97024 87978 05787 05551 60647 55804  
46508 82255 35350 13642 99393 75623 99115 78326 58262 77953  
04524 43210 17099 70290 87346 14855 22255 27134 08820 18171  
66918 32567 55057 87212 13815 37500 42020 83798 57069 12722  
99498 11151 59158 77427 32530 14747 23903 07932 83699 87558  
91436 56241 44751 21881 66077 33177 90960 74922 13051 35739  
36692 40362 84995 23391 35592 43040 64196 72963 73838 98989  
31476 66856 29908 07981 97676 94225 99270 70778 58690 69854  
66300 00000

**10975/9907/8184 kHz, 28-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 28-11, 1300/1310/1320 UTC**

11100 00000 78954 25068 03359  
71007 19394 92548 23747 78375 27244 87937 86745 50485 07653  
60670 60786 57238 47504 07055 11858 25822 43941 93842 53867  
01520 77165 65959 06050 28540 83328 54728 52832 43051 88465  
91268 29566 95611 89390 54752 82579 45186 92516 10220 76984  
91922 46508 15625 50677 40892 29732 02814 37960 13977 78422  
62111 11237 52081 66509 85213 14210 74866 73043 46062 85021  
90196 98157 24397 92764 70472 13500 01679 35821 38052 58078  
84049 75451 26936 15449 32043 03067 12915 33194 01716 64644  
29360 70623 26888 90695 10844 85629 97196 05250 31779 96646  
11623 12271 32271 80640 12202 82954 48360 93076 27601 92348  
88843 20793 81240 78714 25874 03721 43654 24094 91506 86393  
33778 79495 97398 85180 98853 83149 19836 82170 27628 45269  
17283 81664 76543 97751 72632 90198 13605 32254 77358 06039  
09609 75097 99747 29086 31420 72406 04399 27132 16998 83961  
15179 19397 36832 09163 38831 63292 71502 93567 91400 55337  
60041 89432 94696 82187 98773 68697 34948 82679 95343 11842  
00863 06865 07600 21067 43261 82944 22027 31223 23484 28054  
51428 16935 42760 63832 56517 19356 69709 22719 21139 40979  
08190 55900 35780 81965 72650 78866 69070 16406 63202 15492  
31966 31959 57582 26599 64287 81319 62193 33920 98312 18920  
89416 75419 79109 21342 53386 52891 46290 14848 01401 57785  
06884 58479 23171 86190 54002 56157 05087 78916 11006 96233  
21689 47609 05832 41910 81538 72844 05196 20980 69667 85123  
63340 88317 53795 64723 65020 59572 46508 21326 67417 39475  
40580 39377 70666 93221 59622 00103 71679 34358 91260 16114  
80964 27604 95013 39565 07116 30062 02064 29770 38664 19235  
49118 91231 77987 81299 13532 18024 06952 58079 41890 05453  
88978 76134 89237 14944 37231 06426 11135 03092 03594 27981  
75741 50798 68143 94000 88096 53457 33802 23844 43804 58105  
55840 69333 54294 58482 60942 28809 10851 83942 35506 07377  
79607 43150 87865 46786 44676 08497 14135 73372 41613 52178  
22340 37504 48408 69871 94551 42969 26170 52945 91690 89747  
26719 95142 30687 78588 09255 44675 88706 50854 33289 37661  
14099 62043 20048 68333 00000

11100 00000 65137 25069 03359  
46111 93869 27159 95106 12499 63424 41430 91047 75579 97971  
21112 80320 57035 84506 69114 92204 51863 16061 15816 79628  
04960 93362 21076 98024 49127 33616 11905 62403 34190 34849  
97960 93582 01920 69273 32063 89527 86441 04072 07919 82708  
44820 73076 12237 69447 47505 47755 73434 22166 83334 80958  
74098 20480 58767 21856 19418 62087 96048 25495 78752 39367  
59985 05436 42537 92648 68023 02886 61701 76075 63310 70773  
61804 97000 55442 96204 49053 14860 58561 09734 50414 10450  
81514 54889 54984 61559 49747 16387 48827 85884 63619 30480  
60449 37160 22840 25870 59108 65459 71703 68620 73141 77591  
44802 09513 20507 58522 17934 57287 68706 39787 93853 26194  
66302 25793 77593 31296 13199 13987 21002 29970 61881 69795  
41230 33033 66798 42294 42811 33934 24078 31536 98054 29452  
68764 43476 65425 30335 21759 93432 50590 85316 03655 44022

39845 66947 57658 88497 60570 92688 48778 15446 48448 79684  
31467 15761 26086 56676 02914 17844 22766 81470 84163 61958  
89986 37422 96262 49695 92501 07351 23604 29454 79525 48345  
81668 03920 65808 15868 31356 70424 77261 10635 07072 30181  
40813 46670 50785 27285 23205 63994 69222 03444 48386 34384  
56393 79371 48218 33629 48641 98773 26165 78731 04399 95871  
38660 53490 25833 72397 23834 70892 64578 94999 32292 45768  
78740 49001 39638 76128 33350 09432 45416 56636 61465 15294  
88164 72644 28108 57981 31282 48237 64219 19803 99363 46709  
62813 23531 69732 46931 54542 78934 48819 44021 04825 37212  
88100 47784 99759 89277 19275 77325 12986 68831 13361 75312  
70693 46155 93409 90282 56963 23558 55524 00474 26625 68433  
77855 77582 17830 44843 22289 13910 81505 29575 58477 61316  
69904 23610 64940 55438 51414 94941 86890 23589 43831 13675  
55494 99794 83272 65350 98237 95390 70923 53431 95101 98625  
64803 26880 60213 01709 08743 93780 53691 78729 15744 06923  
53333 62901 47939 32308 40873 96550 60304 36490 82461 52308  
00337 53714 08084 48919 80879 18768 19582 10124 68267 76496  
81984 40045 53009 03920 77821 13510 95157 05877 29113 04759  
61591 70145 16725 69333 00000

**10975/9907/8184 kHz, 29-11, 0520/0530/0540 UTC**

**12218/11535/10162 kHz, 29-11, 1300/1310/1320 UTC**

11100 00000 23568 28080 01229  
59155 76069 72292 62667 40845 88286 58376 48833 04204 36768  
04439 23485 29557 75852 20719 05580 25433 91900 32657 65455  
34217 25340 59841 63325 43381 20532 34113 83575 75708 70664  
92778 44547 56965 49853 07849 88496 84445 49629 37255 81421  
44841 62018 08972 77427 54857 76384 73990 27348 23026 82229  
89077 36276 56140 95142 15253 99720 58764 48073 42931 73052  
99240 15136 79661 53951 40643 60105 61399 82516 60103 26827  
73249 88746 04962 13688 90626 42073 59161 99373 76758 82626  
18347 12074 97469 38928 97078 59335 39199 61700 16622 60745  
41169 28476 46740 50637 77655 98691 99922 42998 51290 23960  
01499 75778 83338 43208 84064 76775 11891 17361 79663 18295  
33891 83267 08160 52759 51961 31551 85241 46471 11942 38072  
80120 00000

11100 00000 24865 28081 01229  
88003 60055 68475 12533 73412 59701 20237 91643 33673 00438  
00691 75721 52829 38794 49001 18169 60865 14508 87947 28374  
57134 61429 47213 31882 29983 99390 91458 54495 96000 24210  
39105 59990 07342 38034 82796 96128 00542 87198 47447 28660  
85288 99793 46823 68003 96556 40126 24608 18285 58570 22266  
90864 03434 34018 49855 89855 50013 56949 74380 60144 31471  
72817 89086 72915 03518 34071 00728 59463 85293 24759 46327  
63770 66025 12580 47154 81126 41864 51797 17093 68719 12583  
85488 67589 39128 92822 20532 76375 72679 17584 73794 12139  
09574 46636 12949 32351 07744 97545 40348 96415 77367 61999  
93415 61342 27984 85125 59967 52127 89136 12479 31918 24027  
90501 34400 45805 58913 12413 82416 83558 62902 42742 57386  
81120 00000

11100 00000 39175 28082 01229  
20954 93567 24988 90584 19642 88398 64989 14234 28285 44425  
13382 18497 66083 40733 56005 59598 24290 59241 05753 93477  
15005 97440 10009 31743 44681 04664 75766 85999 29526 27833  
42109 48998 94977 77617 54737 86029 26460 50935 22236 35022  
63588 70740 58772 38760 55023 29038 42903 57669 16152 44055  
47178 36610 56796 67507 18240 24107 71119 02907 12099 67462  
06935 20836 14262 32181 56591 82136 99424 19156 36632 04946  
10393 78036 48405 36514 60933 40232 36828 15749 92238 19981  
89469 37417 37691 56920 43170 53946 75613 98603 90349 75759

74701 46387 02227 56085 61810 13144 11105 71173 66802 66223  
18944 31865 24125 54105 24374 87438 35817 40187 85361 07689  
25631 92125 59709 54158 38950 00199 90569 76469 68200 23092  
82120 00000

11100 00000 54682 28083 01229  
44510 61999 59825 00298 81561 18367 59608 00957 53650 23050  
05704 52156 49854 88220 67829 21785 81181 01701 24038 69811  
70989 72833 58810 82484 44727 74929 44054 21076 92427 51492  
38951 64873 02394 78388 69592 53089 89513 99171 74329 55389  
66640 75736 25793 25717 32474 21490 65501 19112 74392 09230  
12015 76197 09655 70921 28553 05039 13417 31554 61026 15045  
07016 44261 82413 82610 04929 18912 04428 53191 43873 61330  
42401 09479 42466 65360 44333 60389 64891 24940 20034 30534  
87005 58392 31302 54862 88323 62101 29081 08178 18326 35777  
48516 24196 10507 46488 97867 83845 42630 23646 02208 77492  
66600 02145 87833 70781 56410 55823 18347 28770 47583 88451  
18331 78060 66564 74419 45561 11603 73489 66329 97685 65861  
83120 00000

11100 00000 96312 28084 01229  
35392 15628 48196 63886 11207 40229 12787 64599 52697 82914  
30419 13924 05809 84330 33887 98651 93633 80616 82283 81216  
38181 06015 42783 52350 42402 96739 78770 15476 30909 88319  
05255 07528 72813 23566 97504 85879 35147 13387 63846 36084  
40271 17617 18558 80090 25738 38048 15796 89640 30023 40866  
30503 34534 52579 50657 97215 20433 61646 83196 42723 95918  
48241 09181 73517 33461 49794 66115 03959 14012 91832 60530  
36101 69890 21186 27713 27120 65662 29119 41151 05274 21696  
87850 88870 20336 10073 48888 58855 39437 77563 76616 00730  
24261 75325 15572 55910 50515 00039 14857 73393 55632 76152  
58108 53375 25631 33924 72479 85894 57070 62961 15059 76682  
55041 45926 60169 77403 53135 02110 35982 62479 66312 95555  
84120 00000

**10975/9907/8184 kHz, 30-11, 0520/0530/0540 UTC**  
**12218/11535/10162 kHz, 30-11, 1300/1310/1320 UTC**  
File 44488 (binary contents)

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**12218/11535/10162 kHz, 02-11, 1300/1310/1320 UTC**  
**File 00050 (binary contents)**

**12218/11535/10162 kHz, 03-11, 1300/1310/1320 UTC**  
11100 00000 96547 02053 07229  
61922 68901 68829 94239 78217 47981 97471 29749 47603 05959  
01872 20701 29072 56514 19063 70416 04927 14661 16559 53733  
10759 40359 79204 95051 44425 77165 71137 21869 52466 78074  
33777 98486 17409 35766 05791 69589 94375 59430 75970 68359  
70459 65358 04951 68847 45277 73497 76718 87257 56167 27145  
65845 61844 96437 77977 31373 66120 00131 03600 73306 35044  
91719 49795 12634 08887 24191 14679 80825 24460 53943 16928  
29735 08395 25931 15282 97856 52165 67510 71498 93865 73525  
14411 73960 83372 94074 17268 64104 89854 87607 02168 32881  
45667 78965 83624 79408 54101 98059 53449 49035 48412 18752  
93919 92972 58752 37295 88714 16704 22961 70005 30038 09345  
02131 74864 45369 71160 86903 26732 92280 81394 05420 00859  
94761 73639 68872 44392 19480 10898 15589 40553 15425 77544  
39593 95178 65365 30375 14574 00312 22566 75909 49195 54535  
31185 66175 34707 44728 53812 30109 70761 18934 54567 82813  
80400 05031 11201 79818 50135 54894 54642 08556 56067 18729  
59421 34228 61974 79263 33407 42255 00311 00508 80306 44500  
72056 70731 33344 41438 26348 44383 83578 57484 05833 12611

51285 91640 68689 57095 73837 50673 23234 66858 08535 56990  
36073 22759 73805 48417 99722 79344 77231 12051 70640 98760  
03818 19386 13602 16386 62966 54899 13368 42909 17565 55275  
39566 32509 43652 01466 75743 71833 94084 30771 48507 69478  
64640 61121 17702 50629 86007 44760 13569 86572 90086 93508  
31800 13759 24045 42791 22453 22101 10567 46632 33646 17200  
77730 20784 95972 86182 06949 76195 58582 21842 72418 09993  
12856 84766 70506 46179 64614 08140 62519 43215 40804 74908  
79285 10688 41588 22004 60994 02253 73791 51291 30724 77026  
26623 51957 25100 46626 75625 63999 30519 50043 25787 37528  
98376 23532 29746 67542 37740 57710 42032 08900 08894 59051  
95283 01129 66202 57962 09370 57810 23737 30620 69364 00187  
42078 26783 33302 39700 59758 20729 55661 39143 17768 27539  
37502 07111 50562 51892 39203 05442 42015 61569 16740 74332  
69747 02855 67425 04819 86274 00016 96069 13304 10405 06054  
37479 97826 27331 96913 96250 80757 20854 26332 89779 67605  
86163 83525 05433 76624 96636 20893 07818 18911 23063 43927  
57085 33675 28761 80519 24210 08380 89001 71846 14175 38423  
08193 52029 33006 06064 33249 08745 59595 83272 86595 41986  
08241 88193 67237 63154 92849 49913 93326 01664 28741 61208  
84681 11266 32977 23975 08675 93255 09179 17025 37945 78765  
27736 40921 93357 37332 37378 19565 70658 03914 69027 63198  
74258 41558 17868 22526 06582 81892 14584 88635 86421 10649  
21687 18407 94729 90379 15889 90093 71294 37582 42437 18777  
10730 96393 52365 86360 31220 76061 58592 65806 14450 44373  
71801 44302 40176 94223 02049 75033 63853 25519 37028 12262  
10771 09601 32933 09390 85127 28375 78853 84703 17485 05334  
20653 84475 99043 70666 55240 98117 76161 27630 31206 05081  
03576 12385 16732 58164 79747 64473 20732 32960 12770 50125  
78141 98072 90290 05591 35318 85854 51860 92671 96469 68291  
87177 83657 17055 67768 08634 17832 55096 57383 71626 96760  
16339 30489 41052 10525 54198 44177 27432 12109 10427 66360  
41113 82115 07441 81166 37954 50997 28245 32311 54974 71001  
44897 09155 59361 55009 81437 05120 59314 24450 22234 03157  
50124 33490 01675 67947 93955 61680 36141 49544 56754 92245  
84209 28106 50725 18205 46008 54448 55802 43512 37677 66079  
18577 71409 01857 83404 52093 97162 40154 15804 84959 47393  
78517 32252 33223 33168 01460 76185 93426 09054 16064 29283  
80299 55311 31715 53875 57511 25423 66488 68640 34935 26144  
16142 37295 30842 22252 46633 74965 22488 83199 96121 01908  
33505 13847 97370 99297 31555 36456 56501 46741 34668 16158  
49032 46223 49714 47044 19142 62163 91441 41111 93087 32274  
55515 87207 42728 28905 44001 72197 60075 75571 66725 81516  
28823 48332 66951 21308 03783 16731 44816 29329 34170 03970  
76944 66816 91674 71007 55709 08497 89251 54276 96545 72922  
01574 11695 86770 60334 23088 56668 74352 90229 24591 84771  
20047 55822 94297 22788 61361 37586 74302 54803 61762 43071  
28400 05035 43584 65170 02182 82089 28059 76035 61367 14333  
30917 98824 19281 31060 86988 24468 89435 69155 02254 65642  
24154 09927 56757 65137 25152 75801 06858 00806 37044 41580  
60215 54284 59685 39916 21977 35669 40308 65736 35597 81335  
31377 09263 66710 67094 25100 72340 03522 03863 00548 47752  
72126 08042 44297 66210 90223 63795 30553 40710 07629 19400  
71681 62935 07056 84878 75084 31403 63576 23075 67368 16029  
53720 00000

**12218/11535/10162 kHz, 08-11, 1300/1310/1320 UTC. 5 Messages**

11100 00000 61248 07068 01229  
72635 34582 67610 14000 01041 80973 75594 05039 66808 37588  
72045 26751 35447 95120 01240 29499 78662 86596 75737 88258  
07244 20516 85867 68820 95829 73477 06591 80816 41772 53207  
56395 90993 25258 67939 87949 95174 62893 63077 15164 72364  
71927 11083 06375 69401 87316 65520 98330 89629 98802 15205

10661 84003 00196 99377 65524 68074 68054 69858 42117 13292  
11954 11111 20738 86064 63510 54149 96084 33001 96377 45235  
64480 35793 94372 55296 14714 84154 09950 41001 77174 40269  
80176 93436 10986 93180 92434 35318 33804 26558 17000 52675  
23987 48283 48716 71939 49811 55280 24928 18394 05430 32056  
11882 16890 58250 06347 76761 20805 37432 10352 87560 80145  
18181 20955 07976 84755 81533 77397 79505 43562 54317 99827  
68120 00000

11100 00000 24658 07069 01229  
60671 81975 25838 87452 10011 34982 44596 60709 27809 52531  
30123 52152 78579 46718 65528 65490 96661 43223 24105 66682  
84288 90383 08463 48335 77322 06654 81547 53575 08364 14874  
31751 70329 21905 36792 39283 31953 21221 46289 36009 85144  
51693 04713 75922 11082 50238 26800 58457 10717 15543 50586  
71815 90173 78783 09765 48504 07174 79525 31924 50263 64442  
76484 11098 24583 61017 47832 28071 99978 37411 60752 16883  
12237 75553 14915 00946 78794 39461 89559 47244 63457 67567  
48892 12032 98630 52643 85456 76465 57266 70261 06193 95624  
91696 41727 90849 09349 81554 42426 77455 88318 57961 91509  
54522 13841 96168 83875 64679 14753 93856 50365 49412 09896  
77244 57124 89617 29599 02243 80056 21630 14593 42793 15319  
69120 00000

11100 00000 95461 07070 01229  
19404 47521 29219 88813 94963 54915 67196 48871 71786 50109  
40652 14030 39231 56821 27825 48706 60474 71384 87596 08409  
93600 61930 24176 06944 46380 36038 94083 95042 88178 94019  
41344 80113 67428 10048 71848 41780 08109 08292 02810 22920  
83665 26270 48255 00875 91810 82589 26492 68518 78632 91273  
00481 79884 85472 89852 87055 40031 16979 73422 95939 43822  
53798 51832 84464 93331 58330 72218 38969 48546 46991 74049  
18784 91056 27409 68881 23755 05420 24006 62007 71239 07891  
40396 58187 93512 77200 32032 18651 91520 67078 87550 61553  
05919 05193 42240 23079 91333 08208 72079 21376 04786 67645  
41776 90506 44207 86228 05251 76612 97996 69402 81997 13471  
91546 01724 57762 19625 41682 62794 82972 84298 54941 62438  
70120 00000

11100 00000 26581 07071 01229  
68892 62689 45256 77779 22748 03919 39201 26630 63333 91927  
21727 37117 32298 55629 15795 91009 48329 12664 05573 64001  
39183 23271 74560 60100 32401 37625 11011 82452 28150 53812  
66559 70267 02641 28640 79025 56558 15540 08464 95301 26360  
19829 72226 55290 80126 97538 03886 22798 31992 69801 36427  
74353 97580 54661 34648 81866 51059 71065 08896 50069 56109  
12497 76947 94687 00518 38666 16231 72269 89063 58704 73558  
97607 74401 04308 24566 09703 30608 16249 00053 72194 99102  
92715 21401 19207 61614 72896 12258 82539 19889 54259 78690  
61142 86816 66958 74965 18816 18682 53812 97179 21071 43204  
29279 71895 47083 63076 15877 31991 37687 39671 81482 96904  
65339 86615 25946 99456 36993 27916 90460 26449 65824 00317  
71120 00000

11100 00000 95641 07072 01229  
19557 11662 55167 61535 32340 79951 04707 80835 42620 79040  
32644 53204 18948 88478 95691 32003 52136 57327 89128 18508  
47954 86377 51654 54919 35934 90937 73071 31534 48977 17627  
71989 44013 53454 13603 35737 61688 34475 71674 39665 92838  
66024 99730 88037 57875 20648 87920 43686 06381 98380 72027  
38624 38927 79588 16469 82805 19615 31442 65365 13217 90282  
22675 35112 50484 22303 26336 46895 55193 66920 15223 22578  
01101 90056 79667 92417 07426 02534 22383 88020 97415 21636

10044 19001 75365 24965 86290 56761 39281 82507 75851 73844  
71377 77879 34462 12283 73598 54647 24276 79397 40331 48702  
19445 94468 85533 92596 71574 34728 66429 02793 89715 54099  
70978 85764 14605 73138 61301 23875 91827 63591 90255 26985  
72120 00000

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**12211/10576 kHz, 01-11, 0500/0510 UTC**

File 00019 (1364 bytes), binary contents

**12211/10576/8075 kHz, 08-11, 0500/0510/0520 UTC. File 21-579**

11100 00000 35471 12021 05819  
16628 39682 46417 87615 07318 79888 65503 94698 07946 43750  
61744 27282 61247 29681 25924 07815 97130 50483 13330 44151  
86968 98544 38520 47145 50332 73255 81129 03419 37599 87808  
88643 33003 36882 97589 87091 86519 78712 17336 35577 61608  
36909 19245 85597 43277 49083 29239 31090 97864 05205 63551  
60132 75306 77676 72838 44244 99383 91343 85996 26222 50657  
56891 70873 92446 71754 16069 54061 40605 49714 72054 66962  
78754 55069 03809 10306 16672 42348 87158 54316 35431 41699  
71745 16706 46135 96308 86858 85697 73749 25312 74729 80239  
26966 16878 74709 64631 44046 81152 06753 59719 97569 17766  
27664 17867 78030 77561 58536 53882 77219 23262 06811 49088  
97332 18747 31408 70725 12732 01629 24366 73875 48311 18815  
07412 78090 31397 29754 66919 35915 03112 07037 75679 35498  
00162 89049 74923 04462 42964 64373 15044 07238 91057 92597  
78435 53046 51743 91252 32911 56701 52878 43548 89112 19442  
15771 06588 60373 21969 89111 24772 48450 46872 29871 78054  
03579 72646 42118 19755 32277 06470 09675 83609 51346 47948  
83563 64747 11496 00992 10175 04273 39035 76037 11095 32163  
69075 49777 50529 48141 68661 74607 51269 45230 73294 54960  
45118 05669 85263 32723 68740 23882 07233 48929 40847 36186  
09522 73901 81679 61915 54512 23040 60701 85675 26624 00449  
83462 35382 41292 37574 53551 35797 31384 19051 70593 42238  
34506 12951 50208 84154 29608 47602 76889 73246 96360 02189  
25726 55829 95710 03298 13908 14120 95072 44618 67958 46142  
86583 71966 17625 78923 71863 00837 52363 94687 11714 58654  
01368 74721 64201 689\_\_ \_\_20 \_\_\_\_ 59549 19468 14992 97473  
85291 81909 80118 09080 80114 74651 10315 59190 59822 86465  
73145 79166 23881 02930 12789 46321 15953 02884 01056 82762  
36884 17090 99438 09414 33559 66283 18147 84904 12086 20818  
83035 84003 48722 49066 46397 95292 96998 46788 02528 42767  
14474 64634 94022 61054 57548 75993 19724 78920 17788 52346  
80278 90778 98189 38336 22218 20865 52822 43730 66518 09781  
38281 94461 32570 78086 50408 09946 93493 46631 44692 98844  
23740 18307 63799 90490 24914 50925 20677 44124 40761 75878  
10656 03167 97247 42309 50992 86690 28675 91434 71293 35289  
75776 90753 03259 53523 66708 82787 43171 16146 16904 28074  
85583 30273 08703 47076 51634 70709 36706 90708 60425 30600  
29795 94166 16909 54599 85738 93737 14711 46759 79347 11298  
77340 70291 30090 36159 86205 81436 40126 58982 68891 64578  
38686 37412 46126 60835 93732 98153 60876 07283 76848 05150  
38009 29012 92281 48565 47958 51214 06092 34261 72831 23460  
36330 78438 98392 73385 90187 37149 80372 31949 59061 25360  
58515 97468 07462 05249 16835 30608 16709 48432 13486 97510  
69350 01804 28711 03265 85239 11672 04283 82889 45209 85889  
72898 42026 63284 98655 00942 64527 93362 67685 93069 29121  
81313 58422 32050 02353 98411 94998 5228\_99?79 17071 82616  
70487 34010 14787 71040 21873 87574 17252 13893 75419 84819  
16555 03444 26522 48003 25431 85560 90541 58990 53470 84541  
45673 67325 16246 92482 98564 12080 13284 02891 71124 49650  
35823 93223 31964 04707 90294 86039 20901 86469 48461 43450  
39970 37508 60155 74557 09373 07046 8\_555 6056\_11808 67355

60\_\_\_\_7\_\_\_\_47 24784 19668 56191 04811 80385 57964  
56048 80632 15532 80582 37065 92840 49571 02796 43264 74791  
90573 46374 65598 66775 42600 19680 61185 05925 24005 52939  
48421 95521 82713 18381 26407 95882 19415 89917 92126 04021  
54586 22073 53823 14254 00324 52835 64001 76964 22879 60114  
20493 97694 06861 26511 09029 43750 57041 92067 85755 50521  
98688 99696 23123 44695 62372 62975 67599 26544 64189 21579

**12211/10576/8075 kHz, 13-11, 0500/0510/0520 UTC**

File 44422 (binary contents)

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**14432 kHz, 08-11, 1310 UTC**

11100 00000 46852 07045 03599  
99546 23477 51417 42953 36692 95063 07311 55473 80854 05243  
12753 93983 22776 26056 94625 01272 93264 70895 91641 04662  
72759 36072 30947 42788 43962 57725 81385 75674 60969 51239  
19368 57799 33350 25373 68260 78832 48602 88288 97265 01747  
81420 87655 90696 52967 63222 52023 23608 44266 10366 25659  
04710 31082 34496 14022 72502 36954 83451 82072 55576 98751  
86187 72603 33005 12398 00129 36773 55771 83766 84404 94037  
15174 14444 47405 63663 69138 77035 42083 35006 62375 59722  
07459 68754 01328 84730 79736 46310 69836 30423 21508 09506  
96469 11688 42443 57838 09449 98316 09929 95410 40108 76055  
73090 44769 60827 80026 48619 69826 68378 55191 41867 75040  
48612 23558 01619 73069 83438 62812 32005 38053 86022 26064  
09975 86742 75146 57391 81771 54635 24664 82875 36859 59328  
48993 81808 82712 68255 10581 67770 68938 13018 60278 34248  
34142 17477 46563 44499 73987 31804 54544 70343 53886 89676  
60697 09558 14756 30811 14252 36582 45276 56001 81177 66210  
19092 06884 11712 34951 20390 87577 17352 29763 06300 70422  
68265 18831 79541 52976 47036 64088 69766 58472 19712 20154  
47028 96921 10060 49398 15822 29052 87990 07794 63120 00253  
08078 81266 58859 36746 59110 77216 32300 21133 10621 00903  
72702 89538 67324 71381 27760 17513 67402 56677 98221 86899  
85568 32887 52142 50840 26871 96891 07202 39119 22134 87369  
54528 71021 61017 93803 22459 67897 23599 58154 03685 82630  
96429 98903 94208 88175 84008 12149 17556 92373 51594 29431  
32681 71224 60307 36995 49000 37797 80453 86155 96989 88980  
94011 49469 27790 97248 22211 02395 40250 39633 39149 35125  
58849 81090 57383 24290 10943 54455 96429 19198 76747 04157  
70108 22329 10534 85896 53679 68747 56438 39468 16695 34123  
07342 76913 32519 26062 80256 53191 00435 38422 06653 11558  
41297 73303 61160 20846 52650 60398 77091 46814 34262 28405  
22217 24775 20002 08162 33233 25680 77001 72222 32353 32845  
58044 40536 74475 71509 18112 06931 98341 58415 31029 66084  
80152 63593 67138 45673 13046 01545 17959 73380 60904 93998  
78744 33459 59911 71451 24896 92530 66294 05651 43151 99311  
73707 90229 03511 87951 48671 11673 82809 39671 57521 77803  
75893 82389 83294 95970 55333 33034 55998 45357 00000

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**20964/20187 kHz. 01-11, 0730/0740 UTC**

File 01 (1024 bytes), binary contents)

**20964/20187/18914 kHz, 08-11, 0730/0740/0750 UTC**

File 44405 (binary contents)

**20964/20187/18914 kHz, 09-11. 0730/0740/0750 UTC**

11100 00000 37681 05006 07129  
64564 10246 17085 22420 08054 45000 70024 54451 73696 25281  
02627 10562 05058 46189 72864 25259 75905 49213 14776 27932  
01497 88631 47848 21524 02302 15394 87824 14646 46123 85616  
94801 30316 35719 26441 46258 39788 21670 37327 47277 82419  
45462 24224 95164 57509 42441 33065 40650 99051 59304 56007  
12855 69329 65840 08869 00220 32298 65594 03191 04576 92690  
35140 61374 10547 11787 46660 48305 37470 35768 53508 17940  
66032 97622 43452 98251 56787 78514 89277 63009 02763 39564  
51443 63795 83342 59976 12474 20729 11590 42455 47778 95305  
92231 71839 62584 93810 20402 37900 67750 72241 59585 95673  
35072 00976 22434 52982 51567 87785 14892 77630 09027 16770  
50464 40536 08473 09022 05963 35996 09499 02228 59532 77374  
63244 01199 85593 63602 73510 45723 61963 53179 54844 93759  
79595 81601 63413 94582 02016 27322 70561 75293 91664 12185  
08723 89158 45313 47266 44393 99192 05753 60069 57833 95443  
41937 63997 34198 69393 14777 56054 95788 93937 70757 53702  
30091 82363 30581 06822 93311 24768 65019 45700 94089 25354  
75149 50996 87068 89050 19183 56618 31020 30880 53061 21443  
91202 06516 77004 30826 90656 87473 05209 13830 40099 29367  
00874 87114 01129 06667 43753 61426 62413 12403 22403 71621  
33561 46241 68337 16161 86342 39384 74257 17017 97977 89715  
63549 35925 76149 05648 03247 07928 70449 82088 77628 78129  
99936 56978 64656 52622 51491 21833 82427 99503 28668 84722  
97835 60934 55711 09136 14627 62159 66444 77156 83035 28450  
32707 50393 98192 45886 12026 27104 79490 26930 19219 18948  
48088 66712 51606 95802 44757 00994 22525 72086 55235 01707  
82833 33022 35300 71048 35088 24279 52725 20034 70086 53430  
88326 42468 80458 76670 63277 20260 39989 35088 48732 25596  
64190 28510 79547 31104 54226 78933 94143 34561 13386 90717  
16121 75249 48481 12662 99089 60935 54053 40974 16653 97389  
22793 33331 03253 62184 44296 21368 10400 63961 96320 52721  
96813 84896 65128 92432 43902 70590 49729 53526 36094 07219  
81044 00077 64337 53908 81995 43061 73812 91129 02779 47588  
06943 78393 24903 96045 01173 98273 85096 26367 36477 70786  
10952 29008 01174 75061 52993 26037 37923 04220 62858 80798  
21487 67129 01340 35313 09469 75036 68653 49726 65567 49827  
84702 93477 66995 95998 39137 25637 38171 56033 21301 52568  
84139 96233 43152 11277 51032 27810 38447 34100 93280 61656  
30388 55679 52241 20264 84915 48167 75947 55190 91824 95578  
34647 43539 40911 43251 11845 61881 85317 83337 75504 61053  
09277 62270 59127 90271 42435 21134 07372 43998 87950 04890  
65918 30009 56542 01383 20259 82074 23686 96072 13091 65721  
52140 53421 95026 50488 47001 60884 88282 47129 35449 96434  
68038 33191 88401 05553 91175 15413 26244 98639 27050 02374  
75830 04765 70016 85834 70942 42710 38368 54208 13389 95226  
89393 86598 36942 97204 05240 00838 13290 75465 09254 53974  
88199 95773 57508 18624 77071 11895 15184 83659 42076 18781  
72507 52631 38060 51095 79927 38399 07415 86289 27211 77376  
45078 38393 56161 11854 03882 53466 81630 13817 07407 42654  
00520 48714 62552 13766 93463 02595 88996 87340 48866 21071  
07741 08109 63995 33528 55926 87814 02816 61029 20096 40312  
15243 31351 05119 94893 47513 49579 80928 98769 98355 97711  
74296 44655 00651 61707 97800 84382 33264 09408 33196 14493  
92745 67773 11363 44736 79577 72882 56027 85417 78660 91116  
83437 14531 38731 34968 75186 10615 80380 21930 66358 62265  
87387 49873 16212 90249 61032 87375 53551 43158 42084 02429  
14004 52520 30161 77952 11375 58337 55129 87579 10276 40963  
80252 30112 92203 20263 41754 46125 32271 08006 54506 65125  
28765 24408 38508 56715 52723 14777 45859 84202 09726 27191  
92908 84086 31067 37153 27261 19860 36526 30152 84341 83561  
35895 78071 13193 43532 61468 70385 76204 61783 48676 86078



52446 29446 07051 17218 99311 93714 48710 80137 52143 74734  
66553 75139 66536 95874 79342 80683 33009 75804 85875 92978  
18714 55837 95422 46925 15900 60953 26621 79340 01788 17965  
92015 20405 39571 79234 10432 24277 75207 25409 14366 74796  
09704 45581 44580 27226 51578 18346 49102 71965 79179 42164  
28796 31181 67562 88475 96706 24272 59599 76016 43361 63130  
86019 89755 25217 63122 64059 92898 18439 80729 29414 03200  
00037 16772 25793 14800 12130 60403 28058 71118 25930 76418  
80359 29373 04974 80684 98011 54609 92909 13417 48332 46424  
43520 92658 27462 66708 12332 28760 84125 10388 30505 08243  
06710 00000

**20964/20187/18914 kHz, 10-11, 0730/0740/0750 UTC**

File 44407

**20964/20187/18914 kHz, 11-11. 0730/0740/0750 UTC**

11100 00000 67284 05008 07129  
73332 59045 05158 29645 77594 49327 15011 38999 64160 77910  
20571 99456 26886 79570 98228 80537 26238 95971 27969 15449  
69636 46127 89390 99908 99313 34440 45703 30907 79885 57295  
20413 08849 02808 94118 96355 51514 49922 93839 91797 93268  
83268 92714 93261 67970 53358 24422 49783 98998 43086 08390  
58283 44858 89476 27279 94736 73777 50453 29566 70831 65759  
08808 18156 20806 65499 30574 10978 48142 34627 19971 84480  
86820 76700 38127 35981 56798 33393 77757 25799 18434 75305  
10978 85106 55502 35846 52467 00452 41528 61617 05135 10863  
69100 77740 80498 78503 46859 91561 10964 18790 93855 83169  
96176 00924 85953 56176 50649 54768 33973 47178 44845 45016  
98260 17356 56903 98571 69371 74631 77199 96099 69550 99840  
32927 63669 54706 75333 24877 25435 21558 39465 93623 03285  
49644 15393 57286 74406 32887 87641 88057 22697 80387 24841  
19697 44953 91155 72109 03164 97795 32445 61495 52577 96243  
76395 13924 48710 99889 74658 31085 92175 47611 75699 00701  
23513 26756 14471 63608 52360 87731 29122 16103 62889 39949  
84457 45958 87702 90049 06824 25590 67373 08353 60093 10781  
37816 34464 17474 18406 12678 57985 08779 81603 52938 35254  
47897 05823 40902 28057 70111 74190 00771 75259 33972 75630  
32994 33271 67412 54170 54562 46309 62780 02883 62461 32378  
50497 50894 62445 95905 06004 16888 30335 02986 69701 27560  
98022 80147 84572 24448 81373 22607 81151 07576 92203 22916  
64565 89356 01532 55970 83290 57179 46289 81298 84357 68136  
96666 48571 84650 24302 26306 17275 13019 02032 52498 26478  
02874 33689 38598 75639 39961 65256 75825 02385 94992 38265  
86655 68189 95838 69476 16979 87918 18947 26752 09208 64146  
04696 24560 73541 12194 26358 87536 99552 86840 67363 55566  
75300 46615 86554 28787 06146 16640 76112 75988 50464 35933  
41847 54818 14438 00130 60545 17246 73120 35549 94045 98714  
09958 65541 64750 14427 91949 55069 22239 11191 22650 44433  
55697 48277 40182 08112 31816 05712 52460 99619 62886 43449  
26811 68356 34739 59862 76171 59350 49247 22987 09057 31856  
61065 72958 35489 57739 13288 19073 46069 85583 01726 79920  
06379 81449 22488 40018 33899 82243 82542 21387 49649 22615  
77956 93505 21701 21323 69505 70082 42792 38025 10323 66080  
09198 36398 05297 13435 93065 14556 06888 58896 25391 88685  
77060 92443 31829 40843 70020 79701 88520 66851 15430 96793  
90131 85221 06810 91085 47279 93062 24798 16229 55547 79893  
49960 14972 03269 35296 44843 48160 10262 11368 09943 93356  
14715 25886 43300 61540 50404 17136 58388 05303 81425 86335  
39988 16981 86639 88599 42743 40182 11004 58368 62077 43113  
25998 80254 32161 27168 66306 41233 30619 69210 34967 25117  
94656 20977 94157 35259 78313 14056 83822 56406 05501 43861  
35308 91661 98538 31056 72216 35471 86867 83848 15646 68593  
25619 09610 36015 85971 78739 49239 18660 93454 46352 32727

35381 34308 41048 79343 39146 31441 42781 90894 24111 56301  
87076 11478 18173 60355 66216 52190 00221 30122 48107 04203  
59289 51657 42511 88656 37785 95469 69321 16818 25990 57769  
08585 58913 00018 19005 36945 45104 20419 05632 80196 47024  
33611 66025 36649 13316 43337 96507 50967 57618 44321 78397  
43197 22422 35330 12039 22652 67252 53805 58737 41346 54598  
99270 26547 66669 32032 37703 60837 77989 33969 04029 25590  
16867 51476 44977 86348 45563 43602 69432 30769 93550 88635  
98500 87708 96685 98749 32477 30781 58755 46460 76884 77323  
90064 76337 94790 18721 02771 00413 77573 42995 67637 00711  
51341 35641 61909 87344 61176 69601 62977 85625 00401 20355  
67538 50602 77051 67027 40935 32489 34750 65487 26346 41402  
70146 04343 68541 84855 14147 79786 31867 76445 69081 50233  
17156 39165 19034 56671 07257 51784 55485 19680 95861 11736  
85497 49041 79315 12939 14582 26888 16117 62007 21483 50328  
83760 81268 67026 44469 87653 72036 04252 81802 01749 36582  
81990 68866 45623 82229 59094 86128 27652 56013 71497 92038  
08998 83346 19291 27167 68078 09130 66012 79388 70217 64734  
67322 96030 72149 09306 71271 53940 16088 18822 57329 23390  
93019 21339 06374 86772 79931 01866 18827 98024 80650 25313  
23116 93697 24982 50935 41662 91635 05837 36721 06573 38187  
59035 57160 42226 89888 15476 82828 56941 40557 80348 95222  
10917 29730 19095 35292 52622 93394 54786 09096 40845 42934  
06622 99025 94555 83238 24222 54039 37802 05910 97410 57321  
31809 18507 46181 94839 11466 95757 20513 73209 68409 63682  
08710 00000

**20964/20187/18914 kHz, 12-11. 0730/0740/0750 UTC**

11100 00000 52189 06009 03529  
71869 89117 00217 67256 21305 16616 97419 42348 94802 37477  
84522 71431 06011 12212 00380 05291 66440 61330 37364 29890  
01397 63775 27277 64660 85154 51546 08212 65566 00061 23949  
89559 18904 49245 29912 57355 36750 77639 91813 87132 90013  
80972 69241 56494 40022 07457 86136 74572 54576 81824 69750  
70571 19426 06422 74860 08583 81078 19042 91669 20856 81905  
12177 60845 76711 73463 43393 44114 29287 18980 91496 23864  
07306 20934 38196 30196 44050 34674 79935 18840 60727 54007  
99593 48398 46421 79698 52729 30341 01812 06819 48072 50187  
38849 91879 26937 83322 53578 85681 71242 53879 14290 42839  
94847 10120 32193 43884 97856 14763 06796 90922 88621 73689  
63178 62749 03085 51461 23350 40382 76193 47100 78874 38939  
45037 28550 56953 06803 88419 49277 97150 78007 32539 95426  
80956 88783 77473 36994 81363 94204 24152 81426 24652 45866  
06500 53114 81572 16535 58449 47188 30105 82716 70505 31082  
56996 01060 15540 92274 90243 39555 48517 55669 79729 49451  
09838 19037 68189 88832 86971 79962 19696 33796 14090 52732  
97849 38162 14368 98605 10866 27656 14649 17892 65746 39501  
87166 77295 98713 43364 97994 70939 74109 04577 66934 38523  
68931 75586 68507 89053 85206 26568 28748 03564 57385 51124  
97493 15290 46933 08035 00838 90717 41331 84966 03459 59947  
99646 95098 35489 69810 11876 42597 63629 58182 64250 17871  
11188 72924 27682 08551 56728 83880 11536 37133 66024 61398  
49935 61214 36996 19770 12760 97267 62333 49068 58552 53884  
39466 83789 71489 85434 82600 81756 49643 02068 16487 11708  
36681 97003 56608 73018 14221 77042 05496 95988 97017 07236  
19832 96130 98163 05658 28045 80907 56500 49208 03089 32335  
43424 76389 20070 13920 91274 97995 53440 75331 10491 51646  
93417 53281 87725 61104 86336 92018 82102 86322 28616 31907  
61807 75144 69016 39487 48202 52604 98899 77497 59634 08766  
35154 38261 72155 71024 25485 88899 39311 71833 30760 01792  
38206 47765 64088 68728 34023 30862 91328 22197 80188 18214  
22706 12229 96370 30690 50235 12256 91492 96769 10632 52399  
23957 22413 78388 03650 16267 32895 18734 61353 66220 97560  
55122 01457 21886 73420 30977 07941 12524 28532 70349 94887  
09350 00000

11100 00000 67214 06010 03529  
52659 31104 67197 71611 61486 15267 57960 24287 64791 59430  
57124 12535 71576 38184 60466 04368 42593 33667 45654 97968  
92939 17353 24904 03708 95943 38171 29374 84870 80490 77928  
29981 80490 39002 59941 24335 58771 88246 21833 44472 74495  
50165 88425 65076 28888 44911 05676 16874 55345 13279 21572  
34897 79493 10716 24946 96295 26992 40104 78136 27382 77532  
15501 04432 84613 88464 74020 16237 39174 36489 78053 94904  
19868 50857 74994 58157 93994 36504 06693 76049 90907 10573  
85783 21402 97924 00742 81107 65642 83296 78815 79401 56000  
25918 28005 15441 34981 56452 67333 87829 88064 39583 81610  
02624 30566 52053 30410 11973 69590 36204 34493 39966 02027  
33681 63104 12878 34511 29011 70586 35989 36304 57722 55748  
84186 61008 58707 42429 98511 98080 75514 04683 05855 40061  
36244 85038 03987 76459 66749 79255 79105 50250 16836 86026  
48088 37891 04115 45058 42645 38818 05244 11965 77544 85356  
49198 43422 70121 08969 92293 91004 03227 23797 79630 27160  
48837 13424 22649 51743 94484 31792 47490 52556 39710 54227  
93837 18337 54728 39490 68947 27612 18481 88802 86523 61877  
78272 12787 45163 16533 98178 42251 26028 08000 88412 43757  
14441 00476 32829 25915 75106 00754 56769 47333 35619 94540  
02417 62173 57970 22722 03869 64234 02725 21008 79094 15506  
15562 71385 80981 70146 90870 38837 74645 29790 92075 91739  
33206 91152 33401 29403 69195 71857 52732 65165 43808 25414  
30294 38495 21169 81303 32804 54540 59803 71094 87808 74550  
58507 26535 17885 05614 98794 60547 89381 63154 51122 67079  
55416 04617 37059 00738 97777 57777 64612 22139 97460 92131  
78880 19929 88486 06771 95221 45393 74723 33213 07140 20607  
14373 76606 86051 06056 01829 43749 15148 38664 01575 31368  
24519 76178 13839 73081 19733 08827 76650 68497 21071 24207  
34033 42873 55576 36333 24978 10783 69143 14782 72925 42224  
50796 74867 80403 54604 86373 14799 58543 79040 83787 10737  
46139 74421 37060 05708 97946 87649 21306 53299 46912 83521  
35872 02073 70005 92668 37800 31648 12364 51006 32813 76372  
49419 29120 16006 97536 91697 75036 79432 90056 61991 18801  
28775 34563 99574 12324 76282 30851 71156 02900 02164 73595  
10350 00000

**20964/20187/18914 kHz, 13-11. 0730/0740/0750 UTC**

11100 00000 46831 05011 03529  
27545 75623 49969 84924 68264 14791 56760 39189 68751 01242  
00008 64985 18480 18356 51664 72345 93943 55314 66204 51498  
10529 85220 64976 63348 18629 64406 26494 59729 48680 76375  
99892 19388 34812 68806 83698 10618 71802 57065 37131 16507  
85014 92651 16107 83701 18015 20032 51138 80658 67551 70285  
09316 76297 20584 65004 07556 75006 73051 28884 69313 68931  
35070 34444 41929 93484 52235 27316 16816 97019 97732 05534  
19665 60599 14934 51264 62852 28797 15170 38422 77248 37481  
60365 64591 65602 49494 85224 80713 44701 34195 38657 16956  
68481 51772 49128 28215 49290 28293 43619 07684 19475 32400  
74898 41923 00492 89616 36768 05878 71727 95181 71994 21267  
56202 11355 02600 26793 65375 60139 37205 33605 70197 47346  
35113 64450 90636 78943 31808 99960 20842 55634 55584 80501  
32142 56589 89959 37021 21056 48275 61588 49350 94524 79327  
58347 55372 09522 47385 07277 59516 09256 48846 67088 13998  
23143 47455 14895 71255 22729 22698 31877 31017 50761 83896  
17559 30426 65595 60981 87383 50679 68112 07850 33280 38602  
03353 79268 51903 66603 54039 67240 70236 79446 68180 07789  
23251 01275 87951 94081 63295 01326 72022 56851 05916 41781  
28538 98027 41789 56175 00927 88533 69456 31811 73728 66182  
28540 94618 90630 94603 38147 19891 01901 69150 70126 17335  
83395 80704 11881 63880 94345 73344 98415 82675 66092 56782

18315 91714 38975 59538 23331 70530 89540 33764 96269 18393  
15285 47672 56876 02446 69090 26492 10378 19225 60565 27906  
68410 17993 66461 62896 96980 59322 17362 97927 71172 07383  
52828 99432 41280 79338 62185 06504 40051 00334 53152 42756  
85734 37463 15475 03285 60610 11192 71776 77654 69706 07661  
32804 94863 09364 40294 99251 01225 00365 34171 77350 07077  
65294 31586 00429 63304 54828 42240 73598 53558 52633 86492  
83791 13152 13569 05122 42302 10548 14879 34030 52045 52376  
25056 67315 16701 97940 20072 57176 33950 94114 01658 24058  
39973 66600 97320 75490 97407 28464 46788 57067 43952 91902  
04569 83973 43798 94159 13306 26535 09087 73548 27626 48192  
83566 56506 93162 19367 05651 41617 10437 55639 93054 91555  
38300 53677 16202 68867 16605 23360 52591 76540 12803 39529  
11350 00000

11100 00000 19765 05012 03529  
39300 89296 22166 61808 65827 86546 76291 95925 74458 22941  
39613 94974 60322 97451 98573 24058 88361 06935 73170 36745  
69374 95097 05544 36788 62325 32813 05312 23522 95117 90723  
56326 44399 21006 90063 14542 03091 52845 42646 51683 96585  
42359 15938 24411 79737 96606 84186 73651 80691 48856 51499  
83796 15617 26034 57852 56450 76208 79942 03932 78420 88366  
74436 55767 88626 65513 45747 15092 73627 04975 78130 66350  
46450 00863 62044 36317 88403 71902 27027 27244 58568 27636  
66467 09478 00654 21444 96467 84495 01899 63822 15964 54281  
83721 94346 60312 57988 28782 35769 65513 61828 74167 78680  
85273 13117 25377 70173 28083 94417 70788 04953 06502 38722  
01311 42319 15841 91600 64890 97473 84422 31266 10577 80572  
62615 82483 01818 81977 42820 85263 03686 27128 27608 04285  
73718 49487 88179 89965 11057 54992 80354 27142 43574 76433  
10265 32280 57676 41233 66934 85159 00471 01019 63958 05963  
08987 96468 57431 13720 46124 55836 32349 27036 48041 50611  
74644 93035 12647 56740 71064 55476 83898 94857 04053 97953  
11583 47955 33858 23141 91275 79931 85020 54010 14170 03454  
79448 67948 81441 70579 83262 99737 62868 84564 59598 74306  
04366 56305 44551 55215 14137 53842 88455 19794 82122 18371  
29682 96878 12449 45189 93140 28089 73533 53033 30682 38570  
95572 90216 45577 28150 70067 51036 68269 18844 31092 00863  
75581 19643 22990 33358 70566 94524 84179 08265 65196 44625  
01762 43196 33061 40508 16619 57869 24282 65471 83684 94214  
59815 55818 17082 60805 47343 49053 74804 75035 85927 75909  
62648 01498 51624 57173 62055 09980 81243 91223 11582 01536  
96439 43239 96659 76058 35320 71993 27352 39791 83761 55197  
08778 76219 23628 99298 33908 28783 40055 44710 53404 68834  
55022 02368 02202 47296 79365 82587 87516 53443 00448 02137  
67963 29250 47652 80466 78476 12748 02901 61049 80720 08814  
48376 18739 43674 10851 68641 39115 84076 21773 49337 80732  
21430 47751 39653 56214 27231 63148 70755 93140 73140 70084  
47354 60648 07754 01064 54612 72702 16680 38114 47560 03951  
45608 46859 15232 79131 91045 48976 36689 21936 88425 81463  
71123 74295 52257 16170 49232 22007 48026 38008 58057 87646  
12350 00000

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11100 00000 98521 12013 07129  
21620 15236 04799 45906 72207 04171 74281 41475 11436 10254  
69545 17712 70642 88488 32183 90475 43553 54651 51798 36360  
31078 78010 73337 48153 12373 05392 61182 73995 34357 77530  
24645 63658 36885 23644 34598 70396 55736 45169 85887 81799  
70635 24589 85247 78090 90473 20303 69378 41292 92929 33468  
82903 63723 60665 57744 70860 29242 81297 47896 65439 65676  
03328 68172 71650 91894 65205 06411 81595 07931 39740 64808  
72045 01623 61014 63277 65007 70187 26023 16351 55964 80172

88191 69546 39478 14233 84982 06153 86848 78152 66772 60354  
55502 66559 19186 97649 34812 10776 96070 48483 58035 57227  
05308 06045 35038 49856 14641 24161 85523 14985 69710 76229  
77425 72046 41485 61116 00172 18637 45278 66972 27493 63329  
98520 28888 49473 04660 09509 41343 78522 79764 14284 11374  
58973 31067 03846 63397 34960 64478 08895 31640 56303 97531  
34266 01098 27061 20905 60270 82970 26447 21749 53112 35503  
56795 42279 51579 66178 98267 72054 22184 76193 74986 97381  
99957 33156 62278 56293 57070 82947 89719 72525 66469 36679  
19670 66934 52735 93678 05982 69801 47316 86463 62578 82441  
90357 58609 96567 61573 46296 11473 85613 24884 25412 80702  
04221 01213 28521 28465 28632 73811 57008 62340 75036 90098  
55370 16805 50756 36366 78475 58257 23112 00855 00707 99513  
35652 73652 09199 34715 26438 56843 48335 30578 28053 83350  
07706 34937 54054 67907 70713 88500 01528 38590 66002 50781  
24445 22364 88914 76107 57510 83060 85154 00680 95185 35243  
13839 26601 55570 82381 32134 13809 83844 52784 68668 15866  
74936 31721 77892 20525 20130 13175 92586 81024 07271 19660  
16706 49040 29288 63544 25734 45238 80690 48312 66756 28357  
46751 33207 75419 48767 15044 09690 51972 97440 64039 63152  
63583 86268 08432 18321 65108 20658 05902 91787 55506 50359  
54981 00115 12085 09449 38725 96930 69770 81411 93869 37482  
37575 50259 10172 94052 69471 23617 89598 70703 31837 38724  
20086 90768 34679 87282 43516 55540 18805 20089 22638 97581  
16148 17391 36589 77108 25419 35900 59725 94873 70278 68405  
03432 19991 32216 76923 25618 56145 75326 85318 37571 94608  
05164 42332 62860 27516 28867 90964 27979 19834 08746 05135  
89416 63455 26503 79569 26839 61861 00300 83850 57071 18786  
21827 16557 48572 29323 05601 20445 41077 96915 67632 44602  
00112 24654 75698 64505 61052 54337 38372 95936 42425 51715  
25006 63672 33131 61369 33874 10906 83286 79653 50629 60320  
53360 19144 64297 62769 01302 63023 32959 94484 12348 32853  
16346 88758 01184 18153 17503 13043 41164 41241 00730 27381  
00269 55762 77974 85144 88485 02345 80873 61973 46300 69828  
60625 23891 28997 35486 82880 70507 66442 82702 09837 14264  
03040 19514 86739 81645 47560 46480 74948 47306 87507 47298  
98789 37044 47739 00616 98350 60552 97996 36469 05431 59907  
39061 85790 84816 84704 22204 96413 08083 29797 81627 14030  
52090 96567 84577 51513 39395 63678 28829 95070 62720 78222  
42211 20639 60713 03233 63875 18977 37149 82463 11994 52890  
40785 08409 67563 95009 48044 04470 29013 19591 15721 57227  
17304 46741 95889 59742 36196 62532 30210 51837 17391 63425  
65817 68279 05212 98458 59975 30818 60531 07613 65694 45005  
88620 79816 15488 87736 20613 79016 45462 96455 03270 11744  
26928 95951 76730 34633 97716 23700 44944 25311 10393 39666  
68458 65106 39547 31526 34263 07016 15362 51234 82372 27349  
75625 43870 93830 84522 53405 54716 69828 33403 42536 25492  
56631 68659 08144 15683 95980 95562 34365 09910 05682 51653  
26463 97267 20055 27738 09535 33576 44927 61628 90971 22475  
06877 03077 78893 76309 01390 73344 73713 42733 69641 67826  
75045 07975 58568 75190 71125 12699 43937 11452 02942 41408  
21084 92427 20256 71311 93018 93007 71713 91604 10582 66680  
96217 29100 44335 23749 07760 41141 92879 91678 90901 61736  
57294 06004 49081 11859 36363 05250 72940 09838 22297 28285  
20867 42792 01635 37562 28917 85026 91000 16664 92331 74349  
62416 15616 85822 82229 37849 42381 14802 38742 57692 23986  
14774 98236 52845 85716 41047 56664 75111 21813 15970 56503  
65570 56109 25872 40221 65633 16049 84903 38206 00462 68519  
07950 02111 89430 90942 59823 19547 63336 76049 72906 71054  
93030 93789 50443 15308 59161 58808 97659 13472 17720 76920  
47905 28658 41078 69032 76002 61417 39191 95940 15988 07204  
90677 32448 25440 46752 38439 64229 63569 05297 29523 05895  
75275 41580 03913 63675 98337 52587 61923 91183 35948 04927

13710 00000

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**20964/20187/18914 kHz, 16-11, 0730/0740/0750 UTC**

11100 00000 96325 12015 07129

64910 11671 61752 28830 48954 05226 49613 35665 56230 84356  
45253 44938 13735 06388 21986 31697 14069 96109 87722 30287  
77951 77119 35422 55387 03168 35290 54197 26272 29626 62812  
43252 05235 75214 56229 95829 86107 22147 66923 45375 93811  
58487 27474 91094 80888 04535 02338 45087 31935 78758 36278  
68256 11890 82972 98988 87170 19102 11439 49345 09074 29124  
13576 67724 77227 40165 64977 29822 33767 56143 26414 20422  
82270 68267 95510 10535 67222 21098 80788 46359 12554 74015  
52759 23492 86457 94037 51754 44831 84660 40916 57179 85613  
49332 30467 47890 14012 65840 87049 08358 40736 04508 21151  
60328 96079 99592 93003 24661 57844 82655 48171 43022 78578  
12507 36052 14136 85570 68926 47225 24272 52035 02342 30583  
76657 62931 56650 76187 49501 23833 07368 74781 37324 86324  
82306 89908 55273 88319 56949 03556 11111 32769 41729 21276  
74571 53180 03382 47719 98764 39396 87572 68511 73318 22056  
34978 99419 13952 39194 08016 88733 18152 33404 70402 83817  
41661 52999 86731 97754 75446 55623 34260 37020 27848 37736  
44089 76141 41587 38416 13928 90254 00334 90913 59621 81517  
04496 20406 97644 60302 20955 11365 75733 67116 36399 93006  
93848 46178 68962 16237 82663 06591 17857 20539 31755 32057  
55668 14240 84692 25061 93032 16597 43202 96458 70344 35132  
47609 36425 56219 76663 25731 27674 57371 15465 27417 86910  
69610 66984 86921 45443 24637 40577 80294 04882 12326 69674  
69981 28889 83184 42833 53812 56889 60681 84096 60580 50695  
18112 56118 59385 09981 99717 84470 74935 17537 90718 26580  
25993 00253 65968 33742 29150 16757 71904 79619 35131 07654  
21488 53702 89793 69299 06820 43133 37030 37044 59121 51354  
05745 88888 10762 27007 48111 05493 39030 01527 21273 47457  
96325 58859 29701 35840 56465 85747 70375 46826 31797 76027  
47990 56497 40790 87354 52362 96636 30809 73818 15243 07504  
85752 42867 88695 98526 73234 09993 12261 52831 11012 49600  
61069 36563 57334 65511 92095 98934 54908 29534 30752 73920  
83160 61529 65002 19564 98491 49430 39170 55809 67201 32631  
64658 86813 20787 97198 89740 18660 88278 56331 95621 08429  
85326 14516 10962 05547 64700 38811 62038 71359 57916 85691  
00747 87870 62653 56910 77610 91567 55663 82785 52010 93290  
35857 56375 56799 70076 27250 66973 59503 39901 96460 06344  
87291 55282 64452 46166 07901 76659 17190 10092 83709 11502  
44919 88878 41137 30071 64744 72024 22570 93784 06191 94342  
12990 57115 64450 20918 58497 28961 50978 18877 18919 04425  
96156 89412 21683 02949 83680 58502 09151 73719 21382 49753  
96596 54310 78160 87812 83014 93478 41716 05784 81948 74055  
76770 55086 64528 96879 88465 41188 31899 11696 20623 33660  
59235 05971 43554 23982 78519 87549 11114 29540 92286 22103  
91670 67255 35503 11296 02699 45273 27784 22612 03666 46165  
83127 06782 26912 00063 69358 63743 51203 71177 34464 43074  
47645 06135 42011 89836 52656 17560 82838 71766 47668 01357  
55196 48752 50259 11121 30543 70531 46399 38105 47160 13552  
18499 70206 98798 92927 48936 28380 10524 10429 03772 03941  
18961 24452 26321 45175 99120 52887 95276 66715 04988 44847  
27071 80093 16082 82170 27164 68935 07145 96654 19946 57213  
83173 13944 11937 44009 46967 60019 67977 03211 91381 91221  
05096 71593 33476 33745 33737 73718 32747 43547 01041 57080  
60630 22599 15863 35951 13455 52424 60216 67346 86046 30864  
16832 07567 48164 22994 67512 22737 90952 62147 41983 51787  
35601 61967 21912 45315 21403 25435 29793 28764 15390 61804

57388 63351 10740 47391 13397 03196 06141 91140 95057 72064  
83300 90919 13362 08195 24786 91470 26570 50615 39383 79963  
61712 65406 87164 80077 28767 35348 21452 30563 57202 61373  
89858 59208 09571 49285 61603 88158 51839 80154 73279 31511  
85141 87863 10274 71145 68655 92192 66006 21706 88268 60933  
46203 20681 50736 99428 10366 04522 08022 90996 67642 56734  
41489 36672 69274 38873 60652 67700 64818 40395 96166 29219  
14321 08289 91736 58577 73641 42429 24644 06715 95102 67593  
09577 76041 10667 18077 65440 73273 89812 95837 49851 00627  
89309 88116 90990 33847 37074 55473 71509 60480 17298 26161  
44170 76840 49028 57790 83921 67105 75393 52218 06072 12979  
05667 34591 05279 07355 77343 32492 95020 70425 30424 16120  
52240 91667 11098 85439 96856 46147 47004 15247 60829 58569  
61266 94075 26454 13535 17477 17894 38588 35408 12833 24524  
20493 86267 61603 79715 47969 55347 36112 50827 61486 38430  
15710 00000

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**20964/20187/18914 kHz, 18-11, 0730/0740/0750 UTC**

11100 00000 10254 12017 07129  
30715 64037 63591 04501 41982 05093 79474 72018 95367 27488  
51109 40106 43466 96807 94476 03970 13841 83554 00545 85714  
28327 28430 05408 03778 43922 15518 99971 40105 82442 89320  
58879 03526 41136 76582 93357 12755 01442 98827 57685 47458  
78078 86566 63955 40831 75659 31091 84827 12103 45004 34819  
48956 62437 56351 46095 58785 82635 31657 89411 85385 46101  
03152 26976 20042 85496 90364 12560 87254 76521 12787 23574  
48859 77263 80368 82305 53953 96553 29035 02242 14297 89759  
93410 20447 09905 05458 33936 01894 54489 31427 60570 26719  
75460 13389 20257 96315 88165 44944 40351 19221 69048 52137  
45195 62717 57427 21089 88014 81098 40573 42125 65347 56536  
01771 68860 06168 13472 36064 15644 52915 92493 63357 41841  
76597 94613 93571 96348 93168 31899 23539 20819 73359 45384  
70319 35001 63156 76205 70633 52653 57110 00905 01098 01461  
91664 66813 98944 45389 50695 88491 87919 32925 00434 91123  
39039 19626 95986 11834 20909 38427 26612 94845 19266 16139  
91964 41425 30459 59572 26472 00551 58533 59737 14057 11240  
70623 87533 60368 32475 90328 79392 14725 21665 33769 36292  
58950 47577 17998 84594 05296 48681 96473 72130 70623 72839  
01263 97978 19054 59287 96671 99374 90257 48826 73994 44185  
55572 33188 42056 02385 69150 79486 93244 94979 06301 90715  
49725 43800 06237 88208 19509 70621 61399 27016 17080 19030  
20552 80125 28256 97480 97829 52473 23975 66992 04940 10669  
52700 21901 48685 39392 66117 37114 61015 60374 57826 80321  
53779 74927 19709 12566 15376 15937 45658 25644 91481 20265  
37354 89755 17059 57512 91786 09846 91804 76048 75199 14075  
16259 52277 13143 22853 30737 54058 51338 71885 24283 54227  
67020 87651 05832 55148 35458 38767 54763 10240 81345 11660  
93040 53416 69734 84003 46119 72369 16209 94340 84804 86640  
20985 31331 65267 16411 56629 91073 09381 52956 64066 75925  
92581 66698 36586 33268 31438 13787 96519 57647 88107 27161  
94284 04733 33887 03020 84473 90531 39018 18632 58686 74292  
80966 42443 39788 48535 88328 22396 67277 84654 62583 63418  
28458 07522 44856 30000 15095 97527 19894 34815 10256 43509  
74430 99305 35000 94986 52141 97187 09635 87159 72356 16794  
09199 37091 04743 03207 17875 34522 17122 66117 12019 75752  
38624 64336 26483 14026 05361 02911 83932 24853 80805 03769  
91838 09721 68065 35841 36828 86608 56240 15596 31094 40769  
68044 13913 90535 34189 00895 30249 49325 97189 78634 20024  
40597 50586 56092 86169 97924 31851 43663 70769 57295 23728  
44093 07744 64254 08710 18658 22497 15920 97847 24930 89482

92541 07305 93306 83611 58300 81101 34500 86447 36031 83499  
95170 33127 85568 09435 03895 10935 40378 86474 74644 45478  
82190 66698 59987 35401 58301 31969 71166 21566 71238 61017  
07273 01647 95478 31774 60680 26071 00908 57407 90945 36244  
87697 79472 84344 31001 62301 66642 41245 72214 09252 92433  
58497 65500 38443 90372 99034 76962 12591 10053 65862 71903  
84556 22490 22639 86452 99218 48247 28013 68037 39587 06745  
75932 45641 21841 10196 59083 15781 68976 50615 97673 55152  
17765 53329 00727 95863 38685 95423 52089 24212 73545 12578  
38329 88926 20463 42704 60714 29825 20888 79857 98468 62820  
28379 36817 15474 82205 63791 39816 27627 66166 86588 03821  
73021 96455 36950 61826 52151 28158 28363 46585 30323 70497  
95401 48222 19463 64614 26357 96158 81497 69251 35426 38797  
20519 90288 54134 19390 55895 15065 46690 71545 93527 37418  
78943 82790 37442 84392 95652 99649 08900 80533 85738 72651  
65217 10729 40208 64728 35471 67510 32452 71416 15297 93781  
75583 26326 87952 56875 36521 90291 63835 14910 11493 47655  
55649 61360 92659 58117 31401 58795 80531 37588 12417 97706  
21881 66484 08566 41377 77824 48900 07876 42720 51772 71101  
62736 44030 31925 32762 39867 95577 28016 49410 26244 53995  
06967 49481 08170 46379 57168 14456 65679 11057 36056 35493  
49457 50952 80675 85002 32476 60477 85924 26605 53510 11910  
80154 11900 94750 12171 52827 37489 60675 65952 13910 60699  
50385 06136 89690 97421 40579 77422 84712 50526 21366 84135  
64508 42278 52089 38111 38819 49192 29367 67627 49994 62772  
84520 73310 96249 24562 52586 41941 44479 08952 80100 54120  
12306 52175 63834 46710 24056 50938 37680 16003 70349 79108  
49866 72549 25984 95918 97691 83584 05822 44098 11971 63986  
63332 61392 08365 01714 61520 53900 47804 28643 70881 04656  
73179 72765 74119 15914 14479 52659 82269 08551 79585 00193  
17710 00000

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11100 00000 23689 13018 03529  
70492 51922 11470 03569 22603 69173 77621 15724 00031 87913  
71018 89673 47085 22139 98919 23116 34275 09429 49397 32269  
96952 72905 44871 38283 61159 19223 75816 54542 73873 58533  
44334 23280 79829 57361 72284 74947 12117 60326 53637 08773  
88729 41651 55766 17953 32262 72389 99351 07905 54938 14320  
71577 81028 76157 76429 52322 86409 64752 94943 58030 57894  
23135 22813 32933 88987 55528 39629 42337 18005 87467 17869  
47635 21912 28760 06442 67755 42297 97082 17444 56717 91905  
44422 27086 51988 15183 53522 26708 73331 01253 96551 84835  
76829 72784 73153 06208 93766 99165 70086 98711 09067 07436  
09629 84171 58969 89407 78947 13914 52627 28419 57601 75064  
47321 94151 85381 98498 31975 78955 37677 04393 98657 74107  
00538 46311 06762 09455 62636 39760 69545 04878 66313 86161  
17725 06999 84887 28168 19805 09586 18432 97259 63835 81088  
25180 39574 30282 47735 30782 30889 10696 05637 82564 16699  
51872 60332 41006 38340 30188 17209 25606 31074 85796 71247  
57332 05091 71376 69511 64843 45352 95120 44837 46661 91231  
62648 44143 06498 81859 47531 99812 03904 78149 45120 17578  
87440 97402 89360 79348 02564 21458 37282 84413 91395 64318  
50856 77460 26579 10173 30896 36858 46406 57784 82705 21616  
83400 32145 18145 00480 03545 49370 23813 11601 98336 45739  
50032 26192 96871 06843 00319 14642 90129 57762 26030 38497  
84649 00222 55874 16769 27799 07648 14974 39983 71801 14084  
13164 30435 68725 57879 07218 72059 13622 66115 66683 58381  
77984 90674 98026 31955 00740 31922 06757 13757 28935 10913  
02229 45953 25328 76077 74813 96482 85054 55315 00111 98893  
28565 89433 49911 25873 63023 07876 14571 19906 29344 32670  
66510 29498 77064 21539 19511 24405 34237 86104 63495 88302  
64525 46131 79490 12335 28702 05741 64448 37978 92716 62537



20622 22659 49547 85579 89174 26570 46996 23137 32721 44102  
38640 26171 96475 28355 00106 98475 02705 82143 77868 09417  
58169 13952 62757 30201 79237 82259 05354 79628 64366 76690  
15471 90240 68632 09413 12908 30831 59996 15229 21655 46229  
61999 83798 24747 00316 12573 72422 21948 33192 93641 72835  
57453 68448 11225 30437 09801 31472 30706 39405 61180 64720  
18350 00000

11100 00000 23685 13019 03529  
96968 62119 88315 50911 94081 46348 42123 80056 24227 38615  
08328 21280 10547 17204 66220 85366 53607 93229 87746 88955  
96166 53204 44120 56351 75922 41555 12137 19852 70945 06514  
97389 04560 67466 57828 16559 08601 04722 09724 05978 14690  
76533 07555 48651 93981 94317 61592 36922 88145 41199 36371  
12967 80599 71937 69040 54312 92839 38333 15165 96560 66813  
44815 45390 10504 19252 63884 41441 75825 78922 66115 64858  
18572 42728 44394 96939 04577 11587 37079 73299 06031 92040  
79777 61501 83387 74516 40423 55195 49786 24191 17342 83187  
10179 45391 04989 56901 92354 05463 57060 04644 12050 29050  
01641 66135 39317 98727 88099 45721 58367 22912 70411 47721  
38036 57000 56588 42339 55101 88663 78908 35581 37609 23244  
64644 41607 20411 30183 11953 80975 30089 36423 00644 53187  
41478 77721 92484 56999 72938 43809 00752 56915 12598 78335  
33707 19320 92739 19535 41686 66666 54510 92560 22488 23174  
70161 89400 64749 50470 14988 97347 34006 96604 06166 61925  
31098 06883 50672 95238 77650 69956 69470 65656 08267 97599  
90157 29797 74169 61618 25257 92719 87940 36324 78331 07288  
64068 20014 45136 48625 34981 33886 01956 24607 47257 21843  
98355 08326 67697 99605 96503 03463 53951 26578 24263 78515  
69372 98914 34247 30801 46816 87201 86014 66188 31032 67220  
93594 05490 54370 17200 05538 53445 25472 80024 09670 91246  
35631 13808 79741 78539 12530 79291 06158 75819 76013 37496  
77978 23193 75609 56061 08380 36413 14477 47717 20753 06143  
89454 89321 37639 11374 01928 94897 39685 82948 19169 41121  
86801 78114 90863 68677 18720 52048 50494 07941 77131 37297  
56276 02405 16590 67060 51331 28306 96380 03262 47793 33877  
70523 55341 64514 46659 18121 00708 73084 22332 81208 42788  
31832 33472 02331 67617 12503 21695 78999 84893 49304 61615  
77236 64445 64990 10062 71385 04051 53703 38977 02388 89538  
25220 75452 71692 33110 40329 97326 13004 00824 91997 57792  
09050 65178 12032 37435 45554 43730 07910 47162 19602 09681  
59483 30440 44593 85377 30221 38287 18963 54660 72703 75463  
50852 54996 33025 41279 55935 35333 83831 13480 70568 90615  
40640 48628 47466 08896 41154 97432 26076 91986 92257 58448  
19350 00000

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11100 00000 78541 12020 03529  
91946 27046 72895 22379 38392 23455 08960 38336 24003 18830  
13332 52277 27050 65520 27814 48475 20240 58788 62277 19138  
53849 71173 60261 61131 83078 08056 70520 02487 44346 07848  
41725 44629 10186 35244 82483 31270 77450 40986 53896 79894  
68499 86558 86807 36783 50069 57273 40952 41512 99497 12164  
48190 11852 73007 44134 07008 85028 55723 48804 20473 76258  
98116 25476 94835 40511 68561 58672 40971 48429 76693 53676  
45821 12348 47257 24518 06067 23353 49126 57829 41175 85303  
09192 01026 28041 56772 65796 48235 24394 36826 41408 22425  
73159 55603 39223 77145 04973 55599 93378 66359 81011 74623  
27466 55752 43364 66348 01035 74004 65091 19395 48770 27431  
17191 60893 42036 26436 94638 55449 27466 97233 68704 35458  
22297 77243 57721 23711 71119 17630 33498 34217 93755 41399  
05572 62186 78925 30502 50468 99109 03404 40378 78176 33882  
81361 65382 53021 25887 73554 03521 11106 60995 11083 93947

41540 26419 13368 25651 23606 65336 05073 40765 37091 97251  
61625 80948 87930 15011 38042 50277 16388 94409 60750 93058  
79928 77348 87072 10049 27999 14450 62085 61464 10879 78086  
27521 30261 89810 81767 62412 44101 40579 66794 60164 79447  
67740 42151 71729 96225 71679 88553 69599 76489 35692 62587  
12269 65531 25267 61892 13891 38862 16770 37313 48777 43518  
97704 62961 45470 87118 05743 00125 50034 73107 98715 15963  
63283 05638 72748 42927 81625 12510 70721 89833 96190 59618  
48260 40544 29971 55341 89423 01173 17614 68312 89293 81769  
57594 06994 45643 23418 91431 34526 26871 06673 89646 17249  
08404 02285 49137 30361 94730 50153 31681 69145 69273 77433  
98226 39199 39286 91744 18677 24099 67943 10411 61851 53953  
10841 11674 95309 23266 99065 18821 49720 31556 36046 53157  
27479 45165 00345 16761 60241 03700 71613 90964 45078 19538  
21865 61496 13925 43834 39274 06217 16021 97473 76682 06393  
18029 90402 41994 67443 51512 77771 72659 60095 62462 26338  
61428 17888 42571 89557 25550 51959 46926 14804 36636 69061  
27810 31156 53335 03729 39319 91187 24044 00548 92450 65201  
51811 07465 65381 11339 38650 66057 98600 70009 51421 09728  
29595 56068 76491 05734 46778 47193 55347 02008 67332 91883  
20350 00000

11100 00000 96587 12021 03529  
18352 64704 68683 85529 58840 17400 28254 87984 14724 17891  
51224 81076 49810 33537 90956 89504 52017 01060 91787 13543  
90660 81770 08872 47004 00024 48128 84762 78898 81373 62597  
87416 02212 40626 34717 39316 78252 03846 67340 92388 30014  
77757 27961 28415 62960 47476 06082 89615 36703 28617 42555  
69098 35994 16001 41834 15856 14466 96123 03067 34004 09565  
15579 30980 80944 52122 22634 12487 94139 18981 24129 69946  
01192 02127 24901 27034 92905 92771 41913 48133 64032 03802  
10282 37210 51371 79053 23376 07096 23924 62834 74202 55108  
04794 28143 90228 05974 29496 87015 78867 07961 70398 31432  
25783 93172 81946 78237 13221 37949 46394 16496 50543 84288  
24692 80729 34158 08256 42254 98467 79034 46292 64265 85554  
88983 15373 40233 87649 57896 87956 22464 91350 19127 07651  
88146 53387 85211 56539 19749 21321 45099 10108 23389 44179  
11097 40707 89893 96477 32705 55484 28210 64049 19537 79723  
25880 65135 40506 21543 16239 05163 91471 78868 57051 88650  
48528 74630 50255 36690 49130 31126 57505 83415 68227 19476  
91212 49930 81618 45113 85746 19101 33693 55249 78515 59674  
51754 79252 55583 73145 74116 37865 41539 61820 84153 82213  
38277 41501 67498 48536 42403 47246 34568 39579 95936 05624  
75610 68579 49998 71921 40465 26789 46176 55716 60205 60470  
45256 83278 52872 68306 58001 70217 80477 55147 57673 02827  
49457 03057 78968 51550 71777 45567 33086 65022 28866 56104  
93576 18109 05568 86507 32694 12385 86306 16582 12917 52501  
30638 00627 63332 46861 70389 21870 95573 06046 95563 90760  
38995 37447 21208 48028 99769 59508 52417 58484 73608 84051  
89678 06471 66768 40096 41729 28913 05059 37618 38125 46903  
35517 94699 58700 81759 50456 76484 22114 66496 88550 19389  
00661 88636 92669 39008 53542 25317 29135 45148 95781 56610  
98090 12427 44971 68009 89671 79873 13037 78009 65663 77979  
35214 51724 71338 06615 53412 86475 07154 12274 96169 80296  
14997 38065 22369 19272 58675 44900 20913 44678 03331 27305  
83549 85832 23463 72302 93023 69614 94254 34794 93747 42573  
45893 27891 37181 66579 85553 51613 19109 73942 16761 08416  
50992 92945 10788 78957 32598 79724 09803 56576 18082 17426  
21350 00000

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11100 00000 13968 19022 07129  
10323 52344 65054 54436 19588 06985 29345 78895 94706 35667

83012 22635 11020 08324 16906 20830 24057 75930 27477 38630  
49006 36562 90826 60125 99252 96867 13794 62551 51192 64876  
41788 74200 27503 35108 28044 39448 16060 51894 93994 39356  
66681 61860 35438 41277 32895 91507 54201 75894 50913 10835  
19970 65151 72997 68921 91988 49485 97411 12431 55310 87825  
62139 22959 51281 28780 94561 34163 06958 76444 34278 14619  
93126 99286 71258 27339 65638 55529 66516 01879 69715 33478  
47491 79992 11950 30224 95315 20749 29654 17166 66180 76063  
12265 65785 13952 72578 54490 32113 06263 60823 45876 23326  
51232 17607 26487 94905 77029 12559 63395 51806 31452 74776  
27645 52064 93709 20501 76403 36278 15607 27776 69973 31417  
34306 69002 78347 02374 23855 37354 57017 49714 77682 27969  
96689 77051 39226 59870 76631 76492 22900 49541 76304 05584  
92581 72101 24999 54199 89801 71019 94129 24806 28831 02293  
61908 74551 00849 24047 05061 92599 54384 67469 97278 11160  
44208 50040 19105 73644 65872 16982 08928 08393 18085 21865  
09775 81400 60098 82318 91598 26492 56311 71769 53738 76360  
25257 33157 37236 42943 35182 25561 01718 20533 13390 39670  
46502 10092 61540 43040 80637 88189 94098 41077 71557 69010  
42112 64675 27025 32858 89507 20455 90080 19613 34095 64535  
51653 10559 90469 85784 10542 47028 76990 09470 35444 59304  
54032 57264 08728 04212 05693 24535 56618 34836 82146 60856  
95513 50813 44825 64679 49088 02619 81626 28099 15889 48298  
84322 92666 92109 86080 05364 02156 79225 11308 36271 63260  
31180 71110 74785 50122 20809 15285 72991 13654 30188 66794  
83565 81580 94603 60334 46376 60144 54809 22409 82586 73404  
97283 91341 88475 01071 87156 00668 46150 00814 23501 74343  
93334 25984 71677 07208 19438 74677 52411 29139 80073 31086  
92302 76335 47223 85072 65445 18165 37232 40904 80847 13018  
83830 51084 95337 91603 48350 36220 56654 91123 84347 76862  
06392 88758 98802 88252 97497 07917 77086 13926 06012 95664  
63890 99086 41728 94797 17294 29720 87470 58961 78171 48351  
21671 84296 22113 82415 03934 56006 86050 46150 28277 33315  
86790 01969 73736 21241 73611 92242 07021 02618 82144 77425  
16903 28814 81705 41471 85044 92576 33270 50470 22922 31443  
00287 75442 29564 35158 79501 15238 49770 55531 43998 80457  
37510 42172 15625 24365 54184 52540 09008 31690 56432 09759  
14335 01296 53186 06603 11094 83617 36644 79133 29952 58834  
16857 98388 04980 66697 14621 53578 83377 23952 92354 25227  
84924 90302 27652 71685 28309 68842 59197 77468 66552 51897  
59736 36844 98695 48221 15778 71107 49943 52466 18731 02992  
37456 42887 97142 36643 63968 18197 44749 16597 06435 09525  
24010 64201 91873 28407 49813 14909 77613 36755 83051 04901  
78116 49725 88745 80445 05574 07447 38406 28469 16456 76521  
61322 51736 81207 67264 74460 37111 19281 77585 45670 90314  
66676 99480 69870 35625 68202 49055 62917 03961 11623 06022  
02833 57772 45887 73600 73086 26195 50633 94779 87610 48889  
49143 85849 02248 52014 81947 73165 42305 04761 83258 44069  
00917 29894 27421 47909 87882 66733 37580 08095 33700 10020  
73731 31122 78442 73083 42360 23511 00198 48786 94846 52592  
62745 66634 06833 12079 87149 69538 55728 78350 76982 58624  
38554 68417 51832 79561 97299 35464 68805 48823 43990 62935  
36710 43326 02650 43098 52592 01897 10347 51005 15332 11978  
44501 49817 95974 80032 68661 88398 69482 09080 13915 77143  
37611 31794 38136 52962 97575 72606 30255 69357 36211 37251  
51725 72548 54307 53186 32398 49555 50807 09337 62968 59198  
21553 68589 51195 81949 52277 51471 34080 49564 10514 14474  
63183 40431 66121 71426 05282 51596 95117 31380 25542 83367  
46484 51440 45393 97469 76666 27965 92309 34660 81424 74590  
83661 02764 79736 60502 11842 71047 29444 07406 22852 31890  
79321 68620 05524 15663 87258 38738 33583 69777 59239 67294  
27728 37834 88820 74873 29913 99795 01773 95092 07030 59144  
35594 90906 26172 87939 08571 18663 68664 65732 58077 38351

75052 73255 52800 93477 38239 26848 08577 09011 86943 64524  
62537 80827 26695 19658 85229 55098 30517 43186 35424 21061  
96518 60299 87278 65597 14561 72527 84559 63077 09199 41186  
01594 98882 51071 13102 15652 50069 53943 74561 20446 71588  
99579 44418 35419 61516 57635 42303 90534 03723 92749 92863  
91231 11423 76045 51980 93252 20038 43201 65888 42014 02816  
66295 99154 56219 07643 31607 92431 60396 38481 40564 35939  
22710 00000

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**20964/20187/18914 kHz, 23-11, 0730/0740/0750 UTC**

11100 00000 85290 19024 07129  
96047 29876 76020 69603 66104 87962 01053 45797 92367 96418  
82466 15613 90618 10797 56194 24604 93104 89664 76777 28949  
73063 36010 18115 67946 50997 47333 17674 53811 87360 97861  
81340 64679 91373 01342 91106 51786 00627 27830 82767 96729  
11177 72920 85839 79779 62821 02861 42862 45152 09233 23977  
50286 74196 27645 49856 88131 02433 47778 64719 30597 41368  
04689 06420 54826 91044 45232 17517 89991 54235 42830 37844  
73908 88252 00222 37023 09349 55275 44887 10357 37257 57165  
46850 86537 69039 65681 13511 20611 45132 84045 41228 70628  
12016 00795 28334 81429 34885 21858 79240 23994 88142 91783  
54374 63793 90918 40079 45572 56585 79789 13571 81678 95088  
35899 80749 93982 54970 08659 19016 96223 13594 03216 20780  
58826 39950 23880 79343 82063 79225 90693 40505 97830 80429  
71338 30824 54727 40530 95553 98486 66115 63530 44268 27702  
25868 57924 30622 12573 21467 20963 15079 01377 99161 83187  
21795 47196 60863 11639 48453 25831 97457 95206 86743 06936  
88246 60541 95670 89313 21172 91966 94881 36315 13546 53841  
70203 72265 37940 38791 08573 25863 82952 90264 04548 31500  
03514 72836 05592 24413 40440 88708 88309 90634 13909 63833  
82835 57660 20543 52110 87541 36771 88805 31080 41283 52966  
72373 87564 45329 23420 86194 16683 52209 70415 14902 82686  
63626 79686 48280 15048 04645 40114 23474 38237 66340 25697  
78620 58628 34084 05753 47589 56980 43669 94277 50533 59908  
32450 74404 59920 88807 77688 58889 46743 09652 39303 72582  
36590 32105 49185 67799 30275 31393 14302 08545 68692 91363  
25743 84519 46610 92176 90917 40849 05067 91055 31082 34478  
57077 69552 11388 53155 26321 45744 95639 57957 03507 74815  
42936 35283 50105 86455 88410 69264 04126 32502 75225 70514  
67636 43292 30033 22169 80707 16126 99074 29149 11469 84305  
87119 81579 16969 40176 66415 68310 54521 10607 47850 01471  
48223 08354 31506 37997 40346 07738 78800 09068 82270 18072  
73389 93391 44658 53288 63034 95274 51554 21188 99608 13413  
68102 80760 19438 11349 96554 41005 31163 25519 60280 99691  
03303 71840 80439 45508 68720 36767 75026 72013 88163 63761  
34961 76857 40081 71111 56923 44677 28887 62025 37606 37135  
28884 12965 59084 38514 06003 51119 19992 30328 84572 56997  
92171 93358 51292 53037 07518 60581 13601 64197 04670 69408  
54624 61457 90261 86680 51897 24168 94410 04852 52040 82176  
25129 32802 18578 23690 51348 29722 95091 79784 69249 55497  
50899 21522 31578 36028 01425 30596 44630 66941 20480 29455  
62613 04110 86615 81831 34048 14424 30752 99619 79910 85262  
77257 17044 08203 16087 95678 18039 94635 40603 05298 27801  
84111 52924 99712 04432 92696 36184 83620 91615 14764 17017  
39004 18272 65008 94364 62886 56120 10010 16030 43868 71088  
69025 01426 69615 29505 88719 33951 82491 45021 21504 71436  
25524 77188 62173 48087 45891 17629 22536 66373 48112 24754  
48715 02301 14133 92938 10817 72487 32497 67125 19648 36508  
03784 38755 50170 32919 14501 84000 76384 72417 96628 30212  
47321 36567 14987 61527 58842 55523 49629 99577 00920 63205

65442 20233 85096 53346 86135 92311 81813 84851 14819 49209  
22277 09928 68345 29367 44575 23382 17615 46535 88713 56570  
51018 75746 70268 64399 03215 65961 87337 78833 16432 15305  
40480 27351 26469 69838 70331 39769 90596 31808 42586 91894  
99537 88296 35023 59420 40717 96232 06279 80517 04972 84673  
51037 50559 53900 60323 71340 97402 90048 27199 18694 10682  
97115 56400 86665 23543 42361 66917 58655 70250 58412 03407  
40533 68115 46651 21876 32825 97181 69372 19221 22135 76091  
22896 67545 96497 57593 08826 39205 14342 92106 45643 33507  
81754 32795 87812 41015 17734 80579 44601 06380 12116 92530  
15791 75651 05869 02077 86468 38997 48434 24468 48097 04766  
11809 45930 38025 65840 66049 19946 14662 44214 45892 19106  
10465 24719 63179 15961 29965 13864 44758 91318 84983 84696  
00575 93413 84252 93646 51617 96402 19614 80272 72415 31600  
15991 85862 27779 89924 37312 51813 08459 18952 65583 83736  
95422 63054 95291 92227 07436 20031 10328 46223 11622 12682  
35615 99902 01705 98767 80631 79059 73615 67779 17021 37878  
53144 97960 57465 22070 55335 72027 28018 99277 80305 75010  
51081 42722 75176 22672 81215 78990 16809 93917 60970 35933  
95021 65652 88914 51596 00992 73521 17074 30120 50514 46958  
19937 55552 96810 91993 02244 99507 12582 20253 37719 83614  
45983 47581 55957 82681 80210 10740 19640 79525 51393 75598  
24710 00000

**20964/20187/18914 kHz, 24-11, 0730/0740/0750 UTC**

File 00000- 2 (binary contents)

**20964/20187/18914 kHz, 25-11, 0730/0740/0750 UTC**

11100 00000 95280 19026 07129  
59270 07396 04468 35277 57614 40937 91734 21665 01038 21622  
43775 78749 39924 28594 67414 71206 25365 30860 50432 26680  
14304 81763 77694 35188 60326 41689 88392 54099 32282 39915  
29096 92110 27923 11574 82280 70665 74759 70645 75044 86254  
35294 04919 97673 22029 58852 03867 86770 82169 47176 55371  
52617 47447 25973 72228 55457 75414 39616 34380 60404 93657  
11169 57802 25637 59556 34933 25996 03596 84988 93705 45008  
59843 49406 17927 07929 39296 49733 28908 79795 34506 60514  
33339 38851 35674 02759 61239 35075 67101 44910 64566 51954  
39738 84382 18643 82394 74550 83099 93618 54750 76359 55480  
88123 69870 62868 32299 42331 35131 78544 48861 72589 06369  
48059 30936 94828 73668 48959 76879 28929 51932 08269 59385  
01228 62171 52702 95304 87357 14461 67180 56964 62608 28489  
41331 23437 51995 52644 08667 95174 97217 67569 08129 20475  
82704 85136 22681 07192 87930 78757 74635 18136 58180 05990  
82413 73612 10968 09356 08415 09517 20280 06333 52686 64441  
45847 04428 72081 94216 99613 02300 29600 37337 66604 62847  
03576 79700 22378 69210 11436 92102 14245 99613 27682 38919  
98443 82001 00804 81426 50461 14395 98805 24176 90688 61903  
38035 77880 92590 66341 74996 37241 65587 29372 65841 97152  
29827 55134 23222 55723 25044 63267 25201 77548 20683 08295  
55889 15682 19482 66284 82517 15727 71698 74736 98619 50500  
42174 36631 88012 58696 97404 24570 89272 85995 04834 45959  
65376 52052 61530 55158 08218 91793 94449 23545 32664 44477  
99468 03422 39860 88939 11371 46715 54448 48473 21983 64391  
65412 13769 88640 37533 25213 57363 00171 16016 86917 38025  
92586 65720 84003 18526 31674 50213 82524 45223 04657 57842  
60328 62893 88138 10178 93010 63268 84498 12737 51300 90688  
43928 33934 39553 53327 14305 23192 30043 13422 86081 04143  
72754 54939 24390 03877 85334 52129 05528 04153 52919 87385  
00036 25523 92505 91868 69542 80307 61568 07310 69566 55350  
15591 92457 75461 10501 44222 22580 73694 03751 40725 55471  
85643 78977 84417 62408 16101 77214 40792 47477 43676 57395  
08987 03720 95271 37512 71323 79533 71840 92120 24573 53766

17587 67123 97648 42930 49823 97788 85413 88994 91652 40917  
53289 01177 74672 57110 92353 50167 03888 04080 29611 38250  
02014 26920 23128 93723 75364 56298 96721 63085 68508 50486  
93879 99401 99886 42184 55616 70314 95564 76061 51933 34104  
63331 47960 21583 57263 74300 81692 99821 72012 44234 04384  
38841 97189 31751 06271 50556 70960 95621 95930 26450 68779  
78332 86837 14152 05046 08103 76223 55449 41885 36552 02142  
15401 53499 54198 89709 57262 19520 50969 22439 42893 45802  
13933 99596 63342 36100 79407 65551 29296 63053 81667 22022  
76073 11936 65410 59172 62869 95586 54186 66493 70913 63976  
91961 09415 30246 56837 00031 82562 29798 72797 16436 75625  
90453 53458 10092 12754 05789 05848 86816 51430 80183 11691  
29436 51748 18968 96937 39156 52045 50321 59978 70399 11812  
83588 81986 76282 07831 33714 67835 06922 94472 66473 91009  
27766 64091 44198 40964 50130 68452 76666 96361 91125 87135  
06870 72621 05175 53847 86322 17230 54292 76580 19611 51235  
09320 12557 82866 80377 99318 83900 45859 24276 51274 44960  
52384 37133 87341 37239 38637 18367 71779 92852 94271 36633  
24792 72462 95816 15657 45445 48619 67139 55318 10855 70458  
46654 86435 43835 70668 65953 82669 66183 00697 69552 78000  
79804 05107 30436 63205 42855 71033 41091 59774 33085 13677  
84717 94718 15587 83763 16300 24673 57118 07927 08232 82774  
54195 97925 40179 46719 67145 89650 37864 51451 77304 97857  
90472 94916 09542 97556 01351 10328 87311 68001 51696 03360  
12403 60208 81926 77732 86593 73957 20407 97605 17379 55195  
14227 60230 74972 49790 41725 77288 92763 74568 11430 88367  
28421 91579 77114 54991 27827 96515 23660 08664 59029 57231  
03398 51355 08403 63295 27635 31854 56209 72524 43036 46454  
73726 65412 47563 37379 09163 43423 25647 87409 54516 32052  
07292 34131 10587 74626 80784 52255 92313 27754 13710 77440  
41638 94374 61956 70057 40067 55347 71390 42326 38141 85505  
01901 97281 43969 65129 28491 52980 38051 22757 99109 50408  
06541 70290 53906 68513 10165 16320 35601 94801 30969 68601  
45658 24946 64081 61647 25943 89825 46690 70336 70553 33453  
41410 95507 97526 90211 16231 32457 35076 34852 88237 58287  
02091 03676 23289 99038 87537 10350 08834 62546 58494 04787  
42070 47953 51474 48531 00614 67825 26741 05081 87878 43797  
26710 00000

**20964/20187/18914 kHz, 26-11, 0730/0740/0750 UTC**

11100 00000 85296 20027 03529  
00330 29087 57268 82780 71451 35928 66669 00969 94384 90918  
45104 19812 68346 91393 60464 59903 76944 33583 59903 61959  
23543 08218 41579 14306 12438 25130 71422 05457 55514 65297  
37108 62734 09079 83765 56427 62853 70559 11894 82232 25429  
89754 32340 71160 25316 74321 25255 08307 84747 94184 09090  
05048 31187 14567 24481 12194 31845 12313 34631 15661 40788  
55205 40638 06852 19596 48956 35200 44929 17473 81561 43133  
53171 21785 19705 22149 16598 14935 36902 22323 73056 98526  
78070 27684 14944 70757 90209 28385 43768 67953 73885 96859  
44729 06224 35202 66435 73502 84136 42948 35819 72419 32370  
20608 47897 58232 21276 27923 16291 48641 62287 11692 98110  
19790 64119 30493 36326 11894 29679 83026 20211 25206 04651  
94750 37292 73506 13666 42513 15235 87291 45015 21852 77114  
83857 69836 86661 58496 46476 06701 15913 59773 79827 67558  
87106 32198 33896 45965 61157 21039 13513 33528 08386 14302  
15725 75519 30317 70466 62187 01578 56962 23645 18764 92454  
24280 89640 19514 68727 61497 21306 37276 12423 42986 86665  
68004 57493 84373 68224 21074 10068 87579 06907 32727 84440  
64469 39065 44852 65702 93804 99983 16276 34987 91182 92337  
58775 18238 96654 43013 14973 44459 09702 96763 20317 24368  
26270 20100 16334 85399 57533 13891 07338 23994 35090 58079  
77778 61113 32271 36966 12430 11906 56245 18509 86590 05483

90620 86045 18498 15714 93211 45913 01130 89013 78676 59367  
55595 80023 40704 72271 73290 31147 93439 40965 39013 56872  
36831 77765 52217 18809 75596 64538 88611 02401 46485 07767  
69261 31216 33536 33567 29411 79791 75999 46080 04193 70932  
98632 97679 73422 68440 19040 44437 32661 01171 11758 85272  
82737 79391 33757 08240 54909 89351 41064 92373 13864 77017  
51182 38546 05732 56903 31001 27759 43309 06942 14880 30319  
45683 35320 82594 14326 74419 30230 51840 26918 33544 28466  
64965 46705 25463 63807 74634 30836 80031 81126 58105 05128  
98965 27149 14806 70697 82755 53820 26899 25544 32301 95201  
87524 24498 42434 03845 26401 25993 29523 57568 87482 99094  
60352 72589 38353 89213 74451 83935 16043 65953 17074 79083  
38964 01519 25008 95753 39639 53135 32403 19806 97927 47906  
27350 00000 01110 00000 07812 32002 80352 98880 54416 77942  
09354 30659 37473 60870 16342 97998 09419 33215 52941 34280  
81966 25002 44081 55727 81515 32237 67305 15083 84473 27869  
59432 84339 47734 98577 62383 63205 27926 25359 57989 02555  
45499 78386 54145 04561 62278 79095 77144 73735 03540 54986  
07538 05594 98236 85089 49358 52183 43440 26583 65065 46143  
91614 85517 01039 97584 11801 87112 70983 70439 88315 33622  
47060 77559 03041 60197 21127 16227 69935 11744 50892 38350  
62806 76241 18356 52012 59995 22469 10366 73631 62018 62644  
23634 62430 40796 72906 79063 71437 91540 47141 02724 01744  
40900 82094 93322 79227 27470 64266 08512 15465 63234 81525  
14879 17063 47060 34943 58960 20099 73822 38795 49125 98924  
05256 99202 30677 61017 31138 64388 29001 02134 61871 42015  
98120 88450 86091 21571 64498 54927 09371 52266 88418 21615  
22625 69427 47805 22123 11300 44837 01818 40953 88955 09003  
84063 08943 11318 25822 17765 38509 89416 72591 97755 02939  
82871 60871 86596 96422 36952 16128 44717 54056 49485 46654  
46869 43547 36211 84723 09776 82810 55681 65446 78306 90203  
67286 81310 90010 66602 78521 42849 00375 21044 40063 78429  
83634 94150 19774 18624 56480 96052 99204 73122 54515 98044  
98709 40664 93796 39663 89753 94964 12306 45438 15515 42079  
38707 78008 93367 27214 38207 76847 95342 01409 87890 64288  
85167 71095 16356 33093 42968 65971 25008 12268 41226 83192  
50835 60353 48096 98315 43035 47898 36668 75984 58312 63349  
41269 45822 12209 19061 04401 91493 26299 66654 90411 63412  
43601 63442 04474 08061 97041 04128 88000 59389 98319 74525  
34052 20257 97025 16473 48857 84404 92329 65715 38029 11899  
32120 46919 08567 23544 16905 42582 40253 22207 88337 85031  
52517 81546 14703 93234 25383 45086 08217 28646 65571 81140  
41463 56811 81371 21519 62839 03928 62358 04512 93328 20110  
62564 55104 59461 03553 08188 97895 59797 42326 53439 10699  
74780 23016 30604 99281 12300 17926 92953 66204 33819 25068  
71540 79263 18393 07647 29530 27459 84438 22273 10119 65000  
51586 57611 36660 36277 87471 97688 76070 97307 76792 36578  
29134 31591 72490 63679 43773 10869 51398 61312 89897 93734  
89187 38847 66921 47580 41968 80082 07531 92835 00000

**20964/20187/18914 kHz, 27-11, 0730/0740/0750 UTC**

11100 00000 23509 19029 03529  
90298 68600 70350 61696 13250 79431 48946 97071 03195 99878  
31634 47072 07381 48665 99522 29612 52267 17540 83582 35755  
49210 18429 94210 46266 20942 34609 70804 48248 28549 74308  
43552 12827 03612 50198 24609 19804 15221 33191 70862 40212  
26535 54002 85464 12733 20583 50891 50318 74888 99986 87043  
06714 34958 90302 86009 26293 95558 01656 58656 39533 64817  
28374 20053 13942 16086 91289 19737 99141 82120 52401 33802  
81039 94676 56598 92232 12265 05452 80113 39932 11064 49309  
90401 54882 45842 35727 47140 71870 47533 79411 99022 85211  
16993 05998 56040 28923 19593 93794 41944 57772 84221 37502  
56567 77639 48850 44830 02700 98638 19884 01975 57199 09426

37460 68877 91027 96142 63894 90200 67906 54417 37461 32970  
76264 67875 58687 86815 74181 51592 01363 87739 51999 83920  
65431 51366 42306 75139 13980 26596 31965 46352 61484 05611  
55880 17078 05520 51160 77194 24973 19111 27076 83592 26120  
45917 42941 54413 49312 65437 48861 78242 02793 20420 41267  
25689 56860 23667 65692 07017 50802 86425 27463 69333 97568  
35540 46229 13012 84651 11570 15285 32045 94583 65043 51614  
08006 93507 93055 47593 12314 61247 83371 60285 96484 61321  
58246 99286 75063 74334 35138 99024 30913 43189 46498 86481  
97555 03545 85837 80263 98257 97974 72246 81942 46534 97246  
50557 45640 37765 77174 69342 36757 86623 24470 03932 15804  
89979 70036 16637 08271 19983 73146 71364 46466 77017 04925  
44819 94264 57196 04601 01477 90708 14097 06938 24502 73386  
19427 64298 19829 67539 52301 11777 35556 51827 71814 48831  
63876 36692 52610 35861 17698 16254 88120 29162 99178 79684  
91170 02697 02325 92986 46632 30119 16868 87124 95818 25494  
25600 13433 57305 66136 12349 52260 13857 46031 22790 85760  
20167 33243 45270 70789 11074 29777 03850 72833 14962 57312  
80729 46910 02020 17254 10262 76386 22051 98544 11735 05630  
11528 31657 53114 27460 74560 12221 62919 11315 67490 42719  
32445 83076 41778 65683 75495 92498 24881 86832 37824 29168  
43806 11587 73473 72936 21028 43409 30190 89763 97455 17385  
11116 08909 62138 67505 04934 42409 93396 51075 01654 32776  
41068 78684 36239 39855 04555 23191 27244 02784 86352 06135  
29350 00000

11100 00000 23685 19030 03529  
02665 37982 25764 85041 30182 59117 42471 90036 93982 29981  
44659 83209 85359 86206 81378 39180 99259 86783 43830 70284  
53981 81280 45273 44833 76201 03742 34217 71865 18523 29172  
20622 50856 01730 53558 19758 09793 98937 83370 43435 80072  
03824 45463 93288 81649 50127 53332 35789 16882 74605 90648  
63693 96497 40641 98027 73597 46132 64672 73942 14298 66870  
12648 25751 85637 48230 58687 31744 92523 57020 23138 00176  
83821 50517 32212 36200 30783 87401 66392 52654 24724 34878  
89795 85633 98625 95423 77684 00777 02348 01613 84305 01227  
86142 52433 18250 73175 72157 89553 17520 29950 18611 36964  
41491 40576 06342 52432 21958 53739 02393 64222 40442 53108  
80346 91493 23969 04929 02083 71836 76477 83853 90643 44368  
88068 87925 48909 61842 89272 78657 03754 30186 42522 07148  
80380 98928 88017 12176 36521 50943 86182 01196 11183 64931  
23876 50188 67637 49121 76576 83287 35332 69571 43696 18144  
80415 21555 99238 87933 59567 17448 24971 75974 36810 89546  
18300 23872 68003 31283 92051 99142 82695 25235 08322 33244  
18029 31412 13606 65952 84385 34212 67380 57026 67451 71525  
81330 51095 96406 94390 11409 06707 32899 30663 69912 25466  
60525 51121 49774 42220 79468 61453 78238 62207 36017 68559  
42123 56122 41621 94607 51855 49021 61193 37282 36458 64022  
75335 99660 86683 06721 46173 38156 88481 01264 41501 01966  
13979 14034 96906 62455 62176 25851 20572 55933 66536 38661  
70447 88226 11646 27631 38460 74814 38961 74579 61478 12908  
44196 43718 43687 14999 52370 85592 20085 42195 64673 80187  
15781 20893 92360 55142 00777 35159 01051 39987 04926 20277  
72217 42260 42560 05577 11251 27130 02260 25836 81371 44370  
81467 79730 71295 37117 65023 17626 66316 64847 91322 09913  
44513 03621 43958 66046 85565 88818 59769 44902 32254 51414  
53953 99099 05864 63721 92544 56154 05662 05548 66947 09874  
59649 86703 50201 20453 18770 86783 39675 46690 11763 98183  
15879 58777 02843 83270 72065 05090 19410 81651 94331 31419  
41956 28478 96889 76081 73372 69723 42200 89349 29836 85371  
00661 50630 20468 56449 29532 81838 07945 36847 75783 80400  
67260 15864 32560 20319 84815 82406 03948 94748 65024 26794  
30350 00000



**20964/20187/18914 kHz, 28-11, 0730/0740/0750 UTC**

11100 00000 75896 26031 07129  
90798 73370 55511 93811 54159 79556 46939 21291 82623 73976  
63418 45033 05226 92306 10855 07139 70349 40789 17112 05197  
32312 97931 84270 72351 45483 53807 28889 97316 58094 47893  
14924 07767 22954 91375 09028 65550 67240 84870 12888 47147  
88566 67489 52308 07825 69498 58189 27718 52923 27719 75348  
55788 64700 44030 45500 56853 58187 35362 37163 67824 64485  
65002 80711 85264 64934 07209 60210 68347 24607 08415 88167  
56347 98550 12195 99132 80384 09226 40192 23077 74079 18565  
46192 24500 12835 43107 85519 18194 36410 85630 66967 97608  
34489 81731 79424 36748 99916 84774 10396 51540 79307 37668  
98615 31622 75696 04887 87918 78464 82937 63188 74572 10786  
56519 74461 65255 23192 50496 89135 87870 08969 75223 53594  
22367 82981 55581 20039 43780 65598 94366 82217 94662 13597  
70558 85483 29093 08973 27123 84597 95463 41605 28072 47727  
50212 46694 89429 30074 19714 82935 13827 65566 52488 62345  
83388 50054 28941 67685 90610 14453 20803 18425 11914 11255  
17466 71171 53562 62865 61405 65520 24628 45191 59865 51237  
16701 04920 65002 57742 95014 33925 39681 91805 30697 49242  
51088 74404 28813 52050 59382 52684 31897 64084 93535 47947  
03667 64940 31578 25621 22594 78687 27426 98126 40026 83238  
51473 96607 82553 40907 37142 72435 03293 73599 50583 14437  
11788 31070 25700 92788 37217 25682 31697 65503 04577 32103  
65335 08452 28551 75391 85081 54860 54741 55888 29339 55217  
02944 84370 85948 93524 92170 25891 05145 20838 52091 75745  
73162 92029 50592 16018 88664 16707 92132 26113 09202 60234  
66594 45743 59872 55784 53301 13786 21373 13371 09904 31466  
39643 36780 00821 23283 24266 84356 44905 94136 27837 34579  
87054 06075 23469 42344 23416 23117 22635 96926 34907 97570  
00529 17527 08712 96300 21128 47356 52465 90366 79160 32195  
30794 56483 01148 94364 78906 63733 72711 38039 72922 43971  
84355 46849 61636 69358 12868 59704 89379 85458 80578 35780  
64695 73343 59619 44597 54498 39136 13397 42138 08406 54438  
92465 18938 42937 96063 26975 31085 40266 58540 82885 50066  
41200 37787 74151 92401 37103 09434 48037 14997 90411 50200  
85773 87161 38470 75780 85728 75221 60340 93669 21286 00665  
11295 94365 90621 57766 54670 29396 00561 01616 45775 49587  
51698 42497 47529 02034 16988 07553 82534 09197 30966 55669  
51258 78559 31812 56526 71012 16298 23426 69738 15433 43385  
49714 85034 59117 37580 98274 09411 57143 49728 75651 12195  
14125 67817 21374 63951 22513 27229 52941 30180 74824 90609  
58957 05734 79473 45817 82596 00895 34919 95369 62590 15051  
41786 35829 23915 58906 57673 50572 35383 11165 24319 64372  
76309 20623 21815 33241 79450 89612 29567 67949 42399 99725  
98674 14694 24625 65764 65427 41317 72344 28848 60595 02536  
38415 24623 94221 82610 89430 87501 20574 38895 17217 76880  
12971 94703 96904 36262 03159 54925 58775 21227 64918 42835  
66062 57193 46604 81536 15897 12897 82300 68464 05585 00530  
36264 16396 31406 38481 60374 59400 12120 37606 69240 47168  
54361 96978 62688 76159 02124 20038 50284 31003 37512 87100  
57608 34588 24945 45147 18943 30284 16012 00829 86086 44728  
57157 27647 07957 04616 67380 23214 60689 05933 78150 77567  
32910 59068 52710 38436 95869 58238 26964 84438 13130 48670  
39132 42107 69489 89974 40371 07717 23832 39147 03524 59823  
15592 01638 72217 73467 79518 23919 17469 71975 48428 26005  
94006 77293 48631 97338 13475 44798 17729 04503 76735 93513  
99447 84182 32425 67677 95227 19822 53979 90592 77225 25400  
52295 96703 92434 84787 66230 52825 12607 20096 98114 04479  
09661 87474 86480 08258 61265 23782 33174 36168 16289 92576  
27060 62876 74800 02862 31488 71807 62300 99019 27721 41029  
02892 45376 31505 94855 21047 53832 24975 32112 26693 27997

71073 67000 63272 22264 02680 43495 23484 39266 03642 09214  
62388 14148 23873 59701 62564 59088 95732 89055 30999 66520  
43858 07841 32409 94475 05643 14228 88671 82491 04544 29285  
99058 71536 43411 32380 60959 26356 10025 57601 95773 83719  
12025 37165 09678 74965 83422 02728 43930 96307 29884 80542  
94426 25341 04969 41407 05171 07157 34511 91331 65365 58545  
31340 13865 64799 63688 67510 00020 87230 59798 96246 26737  
46433 36135 40781 69815 94617 94840 92268 62255 57898 47028  
83978 33951 78498 42557 33938 93668 68381 56944 73223 39241  
03996 83837 02079 06931 16823 06494 41062 95883 59409 46699  
69390 28625 51573 14566 67681 33518 36484 07650 07284 60145  
31710 00000

**20964/20187/18914 kHz, 29-11, 0730/0740/0750 UTC**

File 44432 (binary contents)

**20964/20187/18914 kHz, 30-11, 0730/0740/0750 UTC**

11100 00000 36148 26033 07129  
66060 39902 40915 67722 49080 10457 05247 18564 06144 94726  
44695 22997 47748 17435 19076 36125 04570 82725 77901 24435  
78634 23748 77027 92758 96922 64439 56328 16430 90854 10706  
64354 08289 50093 13186 40891 75242 24103 68778 93367 44071  
69893 53139 28057 61146 69399 01308 21989 95772 64923 78674  
46530 01828 86080 09469 78557 17390 66691 54947 60173 07038  
75042 58481 92882 76524 05978 99729 77191 14486 08232 25071  
33548 40906 45457 46502 65564 66990 14387 26178 51470 96165  
68557 88782 74719 20875 21034 28920 29699 94860 24585 05716  
63468 85622 52726 41803 39475 36745 30089 68908 34181 94766  
85535 87182 02532 80296 26475 30516 73218 08046 57796 54972  
59654 85485 93878 92577 97614 44796 37097 37608 45478 87805  
21278 57602 07999 48607 43523 46255 69550 03538 32862 60405  
47783 83211 29148 08276 03629 66282 70649 81192 68587 59642  
13775 45931 75240 94726 33354 39900 01921 94624 76932 36349  
67484 91671 71501 71776 37112 00227 06112 52734 25088 74303  
38798 84217 05486 04760 01263 86823 66707 35718 99746 94859  
70797 04923 35534 52606 03490 37695 93515 50906 25909 49205  
72266 71275 63870 34719 54053 29720 95717 52531 38234 37446  
24630 29254 86458 20658 46341 42162 53137 66613 48203 58269  
99593 88153 00542 34841 15345 23862 26226 11009 94955 16060  
59408 45195 43887 33829 29349 78017 11793 33228 30287 25380  
76693 71914 63282 31414 28468 20346 60959 35982 25092 36744  
31110 36413 20080 98026 80071 48164 84545 03876 01837 94099  
72331 96141 43815 77064 01646 60764 85197 15454 51640 04407  
88856 46447 97357 22972 12712 26621 31513 04219 91517 84597  
46509 31627 24986 05440 75159 81741 33204 51472 13532 32138  
65268 49210 74359 22242 72084 97097 44457 34151 79256 73722  
44580 85675 21022 51218 15157 52764 21149 43525 76343 63522  
31753 44196 35833 30987 65952 33453 42846 16873 85316 59156  
11765 43450 28034 21398 63820 95764 88735 15388 60296 81368  
85926 12334 25658 39767 77943 82992 84079 18751 13386 93588  
57772 59817 26966 28780 00572 59860 16693 21368 65218 01310  
63352 93421 27767 67927 78206 38531 17560 88425 89850 99844  
26201 75109 06173 23610 93983 49725 12343 92879 97183 73701  
90777 71085 84672 24978 74019 10164 37294 88595 66451 02913  
48416 53253 95811 84286 49125 30997 80421 11290 26481 42255  
23073 76186 08274 33380 67521 32684 12729 18907 78504 39803  
86582 65699 31242 53105 79982 61186 21338 17973 31633 32855  
31037 44628 62641 11216 12763 69578 02487 53399 75879 33169  
95553 69593 87610 27947 61678 19497 24062 97503 09127 70981  
32277 90499 23458 38142 89258 99545 80700 40942 68910 39646  
58283 53613 52821 45867 42161 34023 45834 94940 53561 51185  
82339 80474 43808 53094 34230 96471 30639 42092 56447 08829  
74473 49931 31069 19516 18051 29738 95869 53120 37889 07055

68286 20436 81002 57155 00735 38796 85300 00814 28215 13828  
07123 35720 94127 12325 04337 45724 65265 80917 48446 55107  
71889 90229 64129 20050 33852 09215 19664 74506 58680 39354  
16673 72646 22578 63406 52610 95081 70276 88390 54451 11039  
94659 87505 07006 13681 82128 70651 24297 70761 34609 38255  
37450 57797 04168 98091 97513 65946 01163 49768 16666 01782  
61858 66584 96238 21153 86462 29432 14989 64303 83501 92443  
76065 84459 81484 85055 36108 87057 93791 80197 64906 21798  
47718 83267 09065 94731 13621 21611 58111 92537 95096 39162  
36485 36211 66133 25960 69836 06321 66176 37204 99082 07045  
89031 81556 40659 61154 26567 83369 16392 53153 53127 48519  
01446 62738 61611 88548 63765 55789 87149 82796 93469 25057  
79313 83195 45614 97751 08799 91444 44778 52211 19520 63222  
24900 10842 62050 19146 02809 01510 69348 67150 08879 04581  
60709 65985 23257 27797 84870 84507 91090 76163 38219 36471  
15196 09048 19036 95479 49605 01674 03708 19813 42437 53196  
55856 41802 01510 08545 04303 01440 81154 86226 50833 28917  
13654 29269 93675 05777 33748 21505 77639 59364 69643 36360  
06856 70268 98961 10369 81048 97435 93076 58563 41280 50652  
98251 73961 36110 65069 27045 78315 44096 57477 58399 16318  
13586 68998 69866 10458 05724 23888 50386 18701 51625 59151  
67084 62197 59650 04636 84502 15188 33698 18302 59707 74313  
88493 06362 61720 49503 72769 82962 88699 43626 36303 49113  
81309 13110 01736 95535 55725 26698 27114 59124 04702 64541  
70097 87714 40142 24804 89752 92831 75613 29987 46895 95125  
72238 50135 88892 92154 96406 85132 29886 03234 62731 73264  
33710 00000

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**10984/10158/9213 kHz, 09-11, 1340/1350/1400 UTC**

11100 00000 12547 08077 10029  
91457 51935 88024 46601 03084 93365 58462 49076 36343 11263  
41786 14108 99561 97621 24817 84953 29793 16590 97696 34361  
76012 14197 71310 95452 72258 77799 43253 35274 24151 62414  
98258 00714 57218 26142 54045 91470 00495 41850 88504 39756  
03707 98810 91838 94321 21047 90455 09731 10179 45598 75834  
12978 95898 58574 47471 70468 07540 75893 20552 22873 77515  
30278 38733 63742 24922 48920 71556 83623 91731 62858 55039  
41785 45160 37531 38231 67722 28948 47970 52905 78389 93265  
47567 48591 22115 57916 00373 40117 84948 88520 85416 99871  
20975 90387 80669 91944 91517 49745 89499 90364 25187 77012  
75806 48597 34112 31828 07769 32503 47473 34485 33808 93940  
48267 93495 39131 47199 24226 03946 56270 15455 68839 96339  
28060 39428 93405 40626 46506 65442 36063 35083 15956 55062  
78722 34752 14036 83496 07855 99112 48768 18965 80061 63686  
28928 00205 78366 65246 40859 54315 70168 75332 70794 22113  
02793 21757 95122 83202 97574 02779 38028 97937 28422 23650  
79352 08462 95779 10201 41302 66024 31947 79180 58857 76752  
98678 70006 57303 83060 63011 67634 85329 22903 62244 71234  
77132 34035 94022 88344 41961 95491 92454 59207 04541 23450  
76200 40968 44812 63683 79472 06424 10426 47780 01885 37010  
00427 05318 38079 14712 43570 49187 73089 42593 19700 76242  
54348 48622 97636 50477 76306 52487 87998 60900 38579 00085  
34410 71312 63564 95376 91522 04164 84476 84297 63288 25675  
39725 70389 99927 24425 34578 66881 77024 00574 56047 14865  
05189 07925 51936 22278 43720 16006 09985 03381 16718 84348  
98046 23396 55065 66172 51244 78025 12734 83649 17028 62509  
30836 41933 94089 09924 47876 74147 26054 03409 79628 34521  
35897 92005 17075 81854 12027 64797 15858 20503 81956 63034  
75665 91067 34516 34940 32999 27987 76532 62877 15757 26202  
34929 17563 33075 84091 40161 19028 98850 14875 51947 08998  
12405 43646 13212 64385 44704 32247 43202 06588 03591 99159  
05689 86271 76450 26603 13209 48328 73764 72028 53284 06705

21968 26192 47540 83770 79075 84998 79685 93930 71490 27308  
53261 76166 75438 15875 65129 05185 91480 63631 05607 35870  
85517 32482 21207 60724 94744 56812 00912 84983 21978 08880  
71916 49098 66802 48305 15789 53259 66970 22817 40970 63671  
48497 12459 72563 05243 07877 34447 45347 70396 74872 50848  
10947 98675 29303 46289 95100 06841 70281 67862 65969 74142  
61319 44436 99409 12456 99759 27540 52162 75968 83953 21020  
78885 90102 76637 91654 53980 04370 87931 77915 84126 98827  
26411 39053 22491 98850 91673 11710 20522 77879 06858 66237  
78293 52851 14531 79907 79306 01990 84402 69205 20710 59648  
06283 48394 74866 67892 66738 06533 43204 89501 32876 20145  
88291 12097 91689 43710 55070 98052 18417 45187 17185 59913  
72331 78731 09356 65973 43416 11814 31712 05726 98355 48925  
37045 69864 99277 19039 36906 24516 93690 19044 87488 84406  
99043 30312 41229 14634 30364 50600 75079 15752 44384 08478  
31367 71825 98624 52450 32190 66180 48842 31989 53292 94501  
33306 12633 68343 29993 17321 92365 99564 20266 96445 11451  
35648 20662 81834 72906 02887 93684 16152 15813 00476 29231  
93489 08648 35907 65313 81720 54815 21395 13958 70737 27579  
17279 21966 95001 76576 33342 21222 03858 73099 23962 48244  
78019 86330 38061 37662 15707 07731 09776 19304 36835 65753  
00778 73584 78708 98078 30207 24886 81666 73556 53128 77606  
88093 81042 73464 24582 03257 27317 02342 82552 91393 11276  
97780 34366 05490 66569 46670 82610 74185 89900 74970 44360  
94255 97137 97066 41722 02080 74462 40231 67864 22571 16719  
05114 33234 18966 70149 48202 21625 91944 21727 97205 10801  
01501 02245 35267 37360 09996 95369 14978 10525 69855 69841  
88106 04536 04320 76993 61986 84361 54705 80805 18507 44384  
92605 12660 56634 64766 20470 67984 44411 15181 09003 86989  
91357 60591 44810 86666 77228 48767 86741 36244 98050 84233  
54364 93294 15383 18324 96995 42663 19744 10038 16747 05426  
44122 37392 44003 10049 88539 63938 88785 42943 41571 90151  
16430 20604 09788 44363 21016 50516 91036 92939 94991 73018  
52515 74380 18423 01311 99561 87029 16315 01800 46107 85094  
57432 81952 22731 62646 93061 77867 83237 30298 59155 58734  
95724 14248 90289 90380 29044 32369 18877 25081 70623 27044  
58073 09830 36564 59418 91803 30257 59965 94772 20370 32371  
68409 33690 35049 89329 86545 68719 20139 05410 24701 71206  
05882 74378 39475 37995 20704 34441 77240 52672 16213 86958  
36485 41057 63376 71130 09950 25616 43342 11808 92480 08484  
81316 82654 65544 37794 96948 51811 94343 36995 69656 02284  
98463 01838 42332 44210 81991 94730 11862 61220 34052 91148  
79904 58062 35680 57770 62354 01683 33989 67051 80936 72955  
69556 77906 85373 71241 67967 37190 79544 38967 31465 81670  
50098 98407 91623 45176 20936 17874 09005 00605 82012 49466  
30717 91487 65898 05615 41828 32786 70522 66561 71560 85617  
51548 36000 40203 35597 32821 87036 57698 29473 08314 65675  
09811 49755 34011 44014 92840 32021 33184 40328 82804 54579  
63468 48239 50035 55191 19202 42153 55113 54519 67457 51156  
87103 91018 41198 18558 29996 96924 38002 89255 68319 70050  
97792 92130 67846 21071 58003 09648 92335 00983 09632 51845  
42248 38430 02603 76911 26369 41572 73882 25526 02281 44200  
96799 61168 46623 00773 74972 33555 41070 60070 29324 07427  
84973 72142 51584 23838 70597 08251 22747 86165 81895 98485  
19896 88008 02753 16744 59852 25168 45644 67758 53075 58896  
36638 55867 66252 22609 17684 40208 17020 89232 52124 06027  
49253 41392 44367 06782 62351 11615 09654 56743 92975 84735  
54865 78765 72654 79713 56297 36920 09719 53006 45349 08688  
68973 90736 38057 76374 47580 81804 69415 42468 70550 89141  
18420 98601 54321 61306 34770 02814 11820 51591 03168 44806  
97484 36842 06156 03869 15651 53168 71425 29172 40762 90736  
14533 97111 22835 14835 12969 25387 76610 05394 72507 48506  
77837 32147 71781 84412 15121 07634 96013 46896 70779 85210

95852 83512 29134 94277 32239 43658 35687 29894 93240 06525  
55607 38981 93809 23595 04980 70290 94371 55382 53234 80327  
99214 07090 20216 12427 20594 92890 16309 91154 19492 83499  
99079 99228 58986 16746 44845 29149 31149 75806 58631 26725  
43412 64814 70942 68675 75353 36514 94789 41513 41821 51652  
77000 00000

**10984/10158/9213 kHz, 10-11, 1340/1350/1400 UTC**

11100 00000 36987 09080 03029  
46241 19958 55377 52981 00317 42387 48765 31129 72002 30064  
55952 23871 83695 48274 44843 53121 31959 89764 03853 59368  
86291 12359 48735 29570 97375 23939 66235 09135 25733 69470  
67983 65176 26729 99777 53089 93218 52859 26732 02861 84547  
59265 94562 56094 96398 23400 21964 38362 92155 14802 94690  
43746 43767 75899 13329 92448 13547 99784 25939 12721 57566  
15904 00232 20540 17806 19590 14999 95488 95272 06386 75463  
76251 21261 97081 82242 24187 68936 64425 08609 28395 72452  
97414 65749 50733 45763 64140 60686 34212 18338 59089 76577  
23195 29952 45866 30050 68871 51755 31258 85288 18404 25784  
31585 29537 11212 40133 17277 39721 30825 81951 46603 94867  
85730 35454 24512 14014 17674 17151 47487 24292 60827 65461  
20395 88877 00285 26916 56234 49489 03299 06123 94727 63123  
21724 71700 00712 37718 89075 35342 28235 96428 60662 46221  
61329 25208 70220 67916 67369 83367 01488 30038 23973 81818  
98163 71752 05369 58679 60675 19391 39182 06928 03204 65322  
69558 33795 69402 40287 87581 56586 30242 96376 14906 64610  
12419 42839 51558 01915 30777 01908 23828 50507 23160 76843  
93195 18752 11150 49357 12241 64630 35117 48626 38447 08552  
37032 59076 41869 15407 89454 59119 67572 50535 94169 08041  
38801 39322 98874 23207 11811 85083 05378 14809 18288 24944  
67736 70299 56315 28392 03777 05733 15803 68194 68422 26180  
49331 18365 62289 62421 24345 58872 73957 76085 17626 91767  
79383 50447 37994 98431 46873 09041 88166 92619 21060 29311  
01714 48997 84325 43450 16053 11848 19098 43651 67409 13645  
19466 33927 18696 58180 25547 95706 56229 47922 79051 59385  
16245 60302 23468 99023 27120 02621 97319 92371 78270 00246  
93925 13420 51634 97802 86099 49653 76694 78042 39232 61196  
94980 28071 61183 24052 44966 07625 62437 24595 03332 99094  
24939 97532 43495 43968 03071 24511 97379 95383 05183 35539  
80300 00000

11100 00000 25871 09081 03029  
86195 66575 18048 41061 98380 91201 86148 38732 34198 15692  
76145 29088 01023 90959 87801 11899 77467 83874 99476 74051  
48435 46269 81936 02364 87925 22726 06016 65629 88032 89312  
05062 70597 57570 40470 78099 21558 38767 66223 44667 38233  
15463 86917 87231 11654 11248 37663 42156 02715 00978 19669  
25133 13089 84108 60664 02024 83197 93285 51583 41054 96913  
36622 51713 07288 97694 97104 79483 85324 45829 37571 31086  
41164 71477 84685 94119 59158 03213 90361 48436 15005 76722  
94058 71382 70710 53388 34395 89627 02468 03409 83521 44757  
97377 33155 02679 64823 79954 61468 42386 59041 54358 74554  
35698 77820 73285 14187 57966 05305 69454 78897 51535 76635  
10632 42844 38826 37096 64125 22038 72230 85342 81692 42623  
94263 67907 40793 90895 06403 17155 03128 49748 70060 49885  
76400 51228 88117 68765 90236 99891 40469 33789 22208 46656  
72002 95931 34884 17817 56460 10207 09858 28937 84615 70307  
89686 38280 50208 32009 63672 19487 32061 17535 58437 58176  
95838 18066 19210 02156 63859 36578 92785 19939 26420 38205  
48071 47248 93059 00306 95171 26189 07202 79423 88951 66798  
72611 37332 28000 85631 65111 93348 84948 01097 27981 95101  
29072 90206 74494 24949 27113 36456 46016 84221 33266 23486  
99106 22494 04258 54244 20065 04052 00467 00321 90355 28767

59010 11147 51343 49540 49745 37742 41794 53525 50116 50700  
06553 99304 99785 57107 99862 27211 20995 46061 31745 84976  
15571 17503 30881 35911 74545 74028 22441 41778 61304 80385  
44288 37570 54202 20319 49998 40365 59598 05486 72138 59450  
31234 16091 44228 99908 56895 77957 04842 76842 98303 05715  
32263 82433 95155 66772 83155 73025 69273 45799 33670 68403  
89780 14369 46428 80479 85256 35466 11825 13555 13796 57554  
37089 03349 26922 77869 81523 86987 88279 79649 61391 21145  
33052 72971 72851 90496 79041 93888 06408 73716 25344 41565  
81300 00000

**10984/10158/9213 kHz, 11-11, 1340/1350/1400 UTC**

11100 00000 35794 10085 03029  
64821 12123 08655 12351 65644 79243 73247 50088 77316 98129  
98348 69080 40387 57450 31864 06681 05758 07382 78076 26275  
75196 55969 48179 13687 02121 66749 17154 05325 51056 49832  
47934 52745 39238 63632 68792 53337 08770 69424 14886 01810  
02790 05921 69900 42156 44077 76065 68731 24806 39543 63204  
47136 98634 59025 18855 49293 92523 61851 89234 29217 66162  
69582 72750 06947 34769 08391 25634 65471 97435 69504 57905  
99300 23762 61153 86859 50645 78483 50457 40257 94123 88780  
18692 26413 55952 83938 78377 13362 78529 62068 25609 84299  
66384 63561 26094 61477 74400 55973 58300 15742 24264 60014  
62192 03905 60073 71351 66947 01139 79047 57886 96135 20570  
98264 37217 73759 37277 43380 63962 79627 58861 70250 81634  
27465 09793 55403 18751 64231 21715 16299 33872 14054 46883  
47307 39255 15238 36951 82348 57800 23773 54262 20135 92997  
81783 07860 72937 16537 74361 31381 24838 03293 23212 45039  
10382 68348 90550 68877 49582 85770 91697 79474 00209 93797  
39799 27298 13300 16151 71111 56884 02833 54140 24292 97050  
65496 29264 72134 13297 11490 80977 29177 39619 92304 49330  
83630 31892 36411 97150 27060 10026 28790 51474 80258 81084  
95256 68890 38746 60538 77501 54507 86341 33860 09795 89216  
50232 25632 33283 44946 95986 68363 08831 92586 85948 88202  
14324 32286 49446 49731 37388 00791 38252 27026 99459 35527  
65740 93180 72134 00106 53167 45469 71738 00945 31523 08344  
43066 49687 72380 81449 68211 51114 46196 24853 61434 21225  
31479 98650 35999 65186 23282 99178 53926 69834 14446 58976  
94588 90406 48034 02715 03096 36210 64399 76267 04395 84892  
91310 91113 94039 80022 50590 51260 41556 91653 79687 54872  
67332 44565 91636 87796 78998 43868 21826 51169 78200 52656  
35023 90288 73734 01405 91092 16950 61956 33784 92839 42423  
60419 18595 64423 63261 05675 82504 33772 67130 51157 43260  
85300 00000

11100 00000 12495 10086 03029  
67268 66565 67421 41529 26061 68050 46327 62899 14303 52025  
59242 88679 29190 56311 29428 80944 84991 46659 32686 28931  
54032 90426 09484 28421 57382 78785 19766 74508 22449 83408  
70111 16187 49639 30934 21173 47590 28011 81229 57234 63918  
49230 93421 17347 59028 01181 22957 23463 91849 26766 09744  
09022 64393 46337 57395 23907 60138 22581 80794 24731 48159  
05919 32304 49657 75986 92573 60896 57774 85227 96421 40120  
12707 48378 26789 25864 15154 50260 89400 29831 14043 62527  
52657 19683 50974 84674 46432 81776 17672 49990 85577 07437  
31088 19884 35323 88704 55893 15035 60756 34491 28996 56789  
27575 43080 65821 17256 46291 91918 52995 01523 77089 30630  
57159 10446 37506 88181 04576 57440 80136 30157 11225 37710  
32542 27061 68073 73361 16559 19592 11218 82830 89185 91835  
31564 48064 72237 88295 03752 77891 62962 35714 39012 91025  
42799 55615 91620 67136 26468 78509 73672 39415 18580 95690  
57825 27093 69954 09575 72735 31333 50834 68507 20845 42938  
83170 96980 73227 35311 99196 57200 21165 41112 18441 02941

89158 36043 60394 11612 39045 78191 35007 05499 19920 76387  
78204 98091 43545 85999 24612 26453 89933 55604 34669 55556  
72799 72979 18334 65537 19552 83847 22552 57790 45538 81809  
74677 40852 27203 92909 99052 82004 03864 03267 48903 35542  
62790 03210 20767 83635 87268 46350 43619 50727 72343 47040  
59897 77405 37917 64643 40611 64682 93913 48058 01714 24624  
37162 38935 13936 98264 84723 57023 23264 26743 73319 16081  
24249 86597 79564 43794 53335 25163 40693 04129 94396 56997  
80448 45571 13666 07286 69850 23679 66250 13153 77500 71386  
41407 18821 89139 15504 38790 25556 01113 62844 92829 82338  
17469 04416 87445 28184 05340 11118 28288 22075 88327 19383  
64675 21421 82548 30189 78433 94989 05059 69897 81809 81249  
09316 86339 91668 28064 27385 78593 72130 74668 23576 83895  
86300 00000

**10984/10158/9213 kHz, 12-11, 1340/1350/1400 UTC**

File 44489 (1526 bytes), CRLFCRLFCRLF then binary contents

**10984/10158/9213 kHz, 13-11, 1340/1350/1400 UTC**

File 44492 (binary contents)

**10984/10158/9213 kHz, 14-11, 1340/1350/1400 UTC**

File 44497 (binary contents)

**10984/10158/9213 kHz, 15-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 15-11, 1700/1720/1720 UTC**

11100 00000 34578 14011 03529  
42130 05011 42022 09869 36801 03741 93699 14162 66602 88465  
66119 71312 82985 00395 60129 34559 72143 45477 55349 26394  
43486 30503 59434 28620 98675 02037 71494 43207 54666 55372  
95613 03640 19187 05696 65406 41438 42104 38636 65542 37545  
91095 82407 61184 13263 25085 68712 71275 40426 63864 74609  
46606 75500 77344 62519 38608 47302 42872 60563 69807 53005  
44057 50429 41873 42151 09530 54935 42209 93319 15086 42488  
35003 13180 97644 90635 47702 12573 54465 75869 88826 39349  
26043 81904 58072 72623 86149 43588 34632 08145 87430 68648  
54682 89466 36005 04462 13965 64605 93516 42023 56401 72876  
30049 74319 34686 91589 76375 51273 53784 97303 48944 98465  
33277 21306 46068 91813 49500 04031 38738 05389 43392 78081  
04505 74571 05015 34562 77861 41724 70664 52388 15568 76568  
93518 95279 00362 88461 73760 06114 31474 72754 59106 53334  
75404 58411 51686 09089 75392 49099 82206 63801 43007 74910  
37338 06856 80314 96923 51262 28075 06038 31785 97312 19696  
84169 88488 40659 83515 78453 34562 37956 72901 81189 33828  
94906 24352 89791 22932 17673 58298 29532 18837 19069 53827  
45918 74454 65480 27022 15140 24608 75441 67598 46012 89523  
05810 13537 71866 28016 86479 68382 55814 57578 89563 90914  
57835 83552 43986 11859 37113 04563 31422 57352 88063 86415  
24530 83814 33493 21636 53393 53950 23325 16842 11135 08542  
12323 75134 34621 13734 15268 65695 21205 88492 62999 97782  
67440 41928 07785 41302 40705 75169 51438 61154 19678 27476  
94627 57535 64591 71277 30818 29382 03213 85821 33274 03153  
43487 64125 08571 94121 48774 32921 15045 92383 36619 90267  
69625 90756 87001 90529 91475 96760 70991 31409 55899 95866  
35749 22713 56927 58209 06819 41548 02040 05934 93636 03629  
87455 83383 09204 05381 27419 97303 39857 16546 35933 19250  
26069 27944 84371 67398 40229 84119 83407 09926 72332 55517  
62691 57175 59507 29914 46726 34764 20342 27768 50370 54841  
79927 71178 42402 27687 96555 61154 50594 80810 26022 42865  
06727 77776 84463 63570 54979 53914 95664 52909 72141 11109  
33777 80245 73071 38866 97383 68746 99853 53836 75851 70891  
18082 74971 93908 35090 68705 76529 45372 18103 48884 86085  
11350 00000

11100 00000 98651 14012 03529  
91745 71465 43365 72787 11739 01760 33473 51563 22102 12457  
63702 98073 89562 14818 53428 99492 76523 28541 14591 57785  
79112 40786 90584 02885 86821 73114 34692 03627 30917 92269  
07762 74873 13796 25752 99806 04258 36502 68108 05217 47010  
66564 88886 06275 62274 13353 78183 44660 89376 03154 90735  
85624 87460 71122 74472 04535 86952 12334 94487 50467 26273  
59093 88353 66534 72236 76704 13724 71647 47589 94889 74159  
33380 14107 17031 34106 86643 84695 74439 58983 77843 62942  
17829 41298 39215 33532 63181 98733 23020 51991 34200 55152  
50297 07183 68528 40438 53849 54986 79922 70134 20155 46618  
93578 90797 59895 00009 96780 02009 61779 87688 72076 90992  
09363 39613 05155 40761 65534 84366 84621 97736 54375 77187  
35856 09783 95058 88237 56133 70582 67496 49574 43212 31300  
14409 84241 34558 65473 09505 65935 99404 98052 46464 82667  
50831 34552 28414 02872 70051 51223 62570 67394 60090 32212  
89752 55790 71048 64618 03441 00384 64133 27406 38079 46516  
06650 35099 31301 82420 15131 22197 89764 87166 88806 79255  
13294 70107 00586 76561 57007 00266 37752 36343 36121 49105  
09546 39452 03113 95110 63838 77459 51944 63627 80065 86093  
29014 00389 30623 20971 55537 02178 27912 61542 91044 53046  
99202 54199 92675 39547 56531 30488 49964 43404 53799 61344  
99795 35055 48259 33312 51232 16525 08598 57667 74884 87038  
36777 48390 36527 29834 95832 29921 79632 43598 60827 60645  
86524 66979 35121 83028 72830 69588 99174 36356 94918 07956  
84049 93010 75019 69859 86812 04209 73696 55469 70012 66168  
64386 68750 12431 42603 89659 17553 03293 04515 03918 45831  
97118 73205 32199 46435 71404 77448 99789 27895 54332 60757  
12319 33658 14675 99688 91026 37198 31104 19123 92907 61443  
83078 15451 70390 95956 30500 23604 50265 10311 74328 88880  
36534 87086 15337 29484 66874 22943 53206 00730 77400 71191  
93135 96840 55422 24305 52155 51288 84866 59812 82340 21597  
14077 98008 53107 69563 00647 44916 59773 72825 13009 18936  
50577 28708 93437 84636 89346 36304 12168 42097 95992 67702  
67319 45267 32027 64323 10301 47755 23285 19283 01400 99506  
37043 31735 25228 42791 55720 44120 20720 80947 14347 98262  
12350 00000

**10984/10158/9213 kHz, 16-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 16-11, 1700/1720/1720 UTC**

11100 00000 95137 15015 10029  
38257 11890 95121 81265 60188 12129 65149 55147 46264 15593  
96625 26967 95810 06879 27359 34862 19998 19252 85756 06295  
58263 35516 88940 17373 18660 08516 39002 42894 71824 49707  
59598 08043 53237 59225 40057 77700 53479 95901 79196 44270  
01156 10655 46035 99995 68192 91697 99589 04672 52175 95003  
34931 84713 15433 58458 47713 24509 85540 23142 34330 35992  
46944 10181 69918 17373 78377 26598 31370 36978 15772 98611  
57557 03108 45343 55804 63951 05885 56534 14615 53818 41995  
09522 34586 93196 58294 96945 45791 41814 75182 04577 70906  
57167 75713 00592 90338 13916 71359 08148 23859 05816 80375  
40952 27180 22340 79694 06498 26908 17206 16301 06673 42319  
10982 89008 90411 67379 94964 36594 38091 11466 28507 93206  
82347 22207 47001 97006 95009 38900 22682 62959 94830 49922  
45462 55733 55715 52590 15962 23628 20107 38896 67945 79474  
47258 55558 62327 39449 51036 11831 19959 55735 06974 33498  
85367 03963 33245 86504 38636 11383 75253 18645 97620 36690  
48522 92763 77689 37452 19571 09890 01157 86066 29469 45759  
73628 20197 89753 49144 69413 38617 05396 75445 93217 78398  
04508 53966 10283 34390 79473 12322 62185 06917 69193 06417  
10449 88635 37129 29420 75190 26497 24841 98185 60968 19734  
85693 40551 87026 39825 28433 31953 64114 83375 25305 54795



85087 93831 64422 79009 21455 12993 51051 87244 43077 48243  
87508 93121 03194 66438 86371 25995 55970 50394 96658 80651  
98753 78913 47705 55390 56222 16276 40383 26921 48614 22149  
40389 35511 11232 17841 53257 78830 57396 69836 85805 37920  
02051 76562 23695 83727 88197 69305 79782 37651 83347 63234  
92973 84520 38182 19453 82239 61455 24612 04029 85505 71047  
95410 54926 38088 92288 32624 92798 70365 87695 76932 36550  
29381 30059 55159 09635 54056 97264 48114 48005 58707 08615  
65951 45668 04542 01088 23235 98762 63844 68987 30904 34126  
06512 15394 47314 33257 63653 88884 55551 87636 47912 03931  
59201 46323 35230 68434 13767 41783 37713 66827 35910 04871  
22304 72173 57726 04910 54937 85713 18208 75813 74880 27290  
09121 14173 28927 25086 17448 60255 20148 78119 31612 97851  
50876 89927 03655 33911 64622 96882 84549 43895 16597 39571  
74864 93794 27542 50679 57926 74736 00543 57819 07708 11142  
05522 24732 88593 28337 61089 79310 89244 90593 68450 01875  
57718 45500 77048 72137 30054 35628 86634 98299 69499 63419  
15449 76713 58567 20233 89203 55545 11121 15488 30556 00888  
96652 66842 53754 88740 93969 37349 94146 71316 16454 30513  
27247 91095 76094 79204 57031 41076 78477 89353 78160 94647  
65916 24367 41827 53535 50923 41207 79886 87248 07188 14066  
66986 62466 10275 06577 25375 85808 45207 78500 02063 08416  
23136 37811 73041 65790 74277 74146 54239 51322 09311 34528  
23905 46949 66417 27311 86100 59380 86148 65296 29996 35326  
81322 83933 64655 54163 94119 95567 33997 21489 57577 65646  
41612 11983 03662 21853 40146 35027 85114 32073 64902 21514  
03257 12155 16385 55289 58927 49388 21449 97654 68771 52645  
27753 78379 14029 65119 11197 51650 14044 00598 01042 40400  
41663 89204 52383 17456 22717 43562 20689 96938 86769 81290  
18059 34355 61326 64800 55928 58815 26688 44297 03867 85825  
73634 14962 19190 84073 31125 24213 27058 94661 56216 90014  
55745 26220 03362 16155 56774 74333 15300 15427 64607 38720  
02716 76671 75564 36610 04847 36592 50679 35739 48251 42299  
72159 55425 45890 15513 08153 09133 03742 54364 65498 86992  
27120 33729 35156 01691 43880 90039 59999 46177 86720 01498  
79653 36630 01739 99647 32083 39107 75456 73222 16591 03334  
97480 50218 47947 52045 01005 69131 56299 99346 48322 75288  
12590 96503 53547 03213 84136 28617 59740 30964 50082 10613  
12601 17388 31392 55985 97939 58215 15092 16737 35105 21943  
77431 17933 43555 51440 35659 35342 24759 42211 83098 89565  
26621 33263 87215 55114 82607 71500 55357 07864 42776 35595  
97859 59326 38876 30272 43198 51171 50728 86931 84883 08451  
66055 31571 64780 74935 50963 05914 22541 79034 73242 52709  
65834 03704 45705 01128 41073 58810 81718 13189 09307 79362  
80132 77163 56983 98066 81793 58887 96261 65631 64829 46918  
34560 17265 70885 52484 18029 08803 79506 50150 78646 70902  
72859 70143 39601 54737 57957 78282 58671 67636 38613 04438  
14281 22104 54267 05462 63914 46648 27913 73535 29584 31873  
90279 25858 90036 10256 72480 36625 84382 93056 84301 97223  
56846 12790 20326 15596 97306 44704 61069 90693 57332 05703  
61335 22970 46393 54142 42954 46844 37929 38943 34109 96078  
39979 71465 22429 37996 10041 18565 14043 37494 18858 40283  
15775 36769 92821 20602 82670 61710 89672 64705 98045 90886  
87191 61180 78241 48069 89564 32593 19274 04229 81112 22889  
27564 99941 82072 95041 01938 24142 86114 37394 59086 10160  
84284 02129 19666 34987 05065 24307 97235 32694 25230 94905  
57205 57951 31193 86302 38002 60582 35532 53637 51624 57095  
78366 60486 05777 10113 68305 02297 14781 51664 42610 26009  
91434 11250 51305 69306 37028 34638 94882 67936 71674 04316  
70324 04530 72178 97539 05099 97366 09599 42921 83843 52516  
03713 61486 97403 27796 36558 03143 68926 81987 92243 14497  
36693 07737 15228 98954 98373 71587 04224 55045 46394 09583  
83952 03907 49114 51867 21907 41866 57479 74731 82325 79055

41860 03533 34561 50006 88746 14943 58028 07144 12002 11934  
10928 33136 58342 69967 54915 33028 11757 77807 52932 92095  
26530 21403 82350 10362 43568 84268 30648 49707 69718 62817  
65790 54521 24755 20056 98502 31824 85735 26115 78625 01791  
83406 59019 92742 54639 30347 64154 55261 74785 85534 95864  
10143 18238 85033 89613 85457 54136 93470 38148 67967 06402  
56014 70108 89911 56416 55514 54512 45182 92667 04519 79560  
77094 18323 26831 79186 04913 52627 08311 05812 81340 87106  
21600 72719 98156 82482 54461 14496 82178 17250 96416 38980  
48747 23854 63375 69151 04921 73398 64936 98395 19560 94831  
44059 07591 02497 39539 43775 17444 59975 27283 80648 74518  
18542 34431 29656 94394 34591 10403 50182 10394 31731 33284  
07813 01306 33180 40525 71622 96555 81363 95690 91631 82259  
61906 77169 86130 56582 74205 99802 93553 07861 15779 05352  
68589 13913 72565 82762 27222 85975 32370 04138 70377 05713  
63641 87382 40880 28724 26771 21444 93391 52992 10097 15078  
15000 00000

**10984/10158/9213 kHz, 17-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 17-11, 1700/1720/1720 UTC**

11100 00000 19278 16018 03029  
77661 17294 70253 78477 09037 95459 52979 78854 80876 85589  
64038 64990 09820 41847 04097 64519 30497 94681 86905 28686  
86611 74994 03866 73944 32672 91528 54711 54117 88545 72408  
98993 36562 14042 06790 08050 80776 95693 47537 22155 42889  
62945 60875 42526 54458 75904 33952 12889 49029 51883 76250  
70276 34882 22884 75779 69752 37408 41231 95995 12751 59554  
75538 24377 33714 33769 64193 08604 24725 63889 18553 41265  
02805 80412 93022 79041 49583 57575 64234 07305 78014 65692  
86474 86050 05835 57189 15591 38131 40443 09755 18521 65701  
04895 75069 10673 05829 59698 06531 88311 61201 00099 64426  
48157 66865 33540 21979 11382 78945 66984 20715 94181 96266  
58786 48578 92119 50826 14809 39248 70432 28052 33455 16070  
77470 02783 29326 29068 23480 01908 90165 58448 91899 29608  
46807 83057 75364 16123 60785 37205 53606 76003 59317 04314  
55432 86764 72332 20819 71980 23886 51238 88760 13422 13108  
74117 20502 26318 85937 67036 64017 13799 49320 96148 82185  
25776 05414 10296 84517 11344 82385 38776 34770 50590 62196  
73982 82872 07984 16285 93589 94609 74530 85100 01976 77492  
90885 62428 95572 26260 68615 70427 81833 36450 51785 36336  
06494 59468 86071 06770 68824 97602 87576 60561 29560 62415  
28543 06066 41192 44952 82146 73878 55311 71206 93556 40903  
86687 41270 69461 46704 38775 75618 03229 88077 20336 16959  
77904 02786 07858 61085 14228 78392 33464 15171 55858 47124  
02998 06945 08986 52716 73970 93177 78541 00158 48061 40930  
68158 24289 57851 79984 36100 38188 52492 49911 24335 47272  
11975 90198 02936 40064 44711 46887 97002 91556 48100 94144  
88294 40108 36763 94225 08753 23817 68155 44237 68105 87298  
20214 83163 82746 94816 00759 57589 98064 10696 93302 69538  
21424 32960 68993 54888 07969 91126 19337 65787 66461 44102  
89428 55508 77305 39110 16342 89187 39988 17596 02396 28878  
18300 00000

11100 00000 32176 16019 03029  
63349 22879 27555 30144 84455 14533 40954 95333 14179 45998  
32339 21681 88619 09759 99071 45671 13620 27097 82887 27616  
23917 12587 36124 01550 26370 59001 90005 35376 94465 78565  
04656 99713 06270 61494 05545 68866 43035 37759 36048 02355  
90634 53000 80801 80464 11013 94555 39548 92224 75848 28510  
56163 99265 79608 33723 32538 24005 74189 43765 82013 35571  
92319 32706 02059 31928 51925 05683 70869 41629 58640 80190  
97583 93635 48644 69038 80792 28634 39024 00900 55044 50305  
77841 39396 30026 39961 11093 86656 52101 83009 08756 82285

42902 80662 17099 33682 94665 45340 29455 38634 26985 03208  
92635 86152 34680 52270 91173 46445 81470 49478 76596 86005  
19133 25272 33895 68727 36836 49006 02392 28993 70338 93687  
93192 27676 25737 73470 70403 26986 97456 52342 88309 45103  
85157 47436 01697 76530 39268 75413 91501 89113 89805 15346  
72985 33649 38198 86546 78616 27038 16766 64767 32839 94900  
45587 85225 60934 84611 41394 05878 99143 84678 58219 29386  
98251 11405 64467 07212 37815 48773 86090 74283 93218 52500  
70581 87653 22758 54170 51435 67612 66923 26425 17803 64673  
77078 95107 18999 00873 15728 09330 58562 58828 95543 05380  
57559 16986 49357 25417 91805 54497 48292 76893 32706 74161  
10230 43624 46392 16875 65795 84471 30856 66016 74048 80548  
95744 65217 05072 16908 14534 97942 31635 09631 03743 02331  
97140 14272 08891 19721 52014 76582 01878 00313 75742 11463  
19480 14391 26751 21068 97646 42550 87289 88015 81280 43367  
95536 04631 14202 21953 82086 24155 38968 47808 53027 44877  
61250 95453 86784 63100 58442 06231 36923 55903 37201 94745  
58093 79618 69596 48377 97310 94973 62563 93278 17747 54831  
40343 25337 47245 15456 44598 29496 68709 57268 81888 35907  
94589 25995 73210 86329 92634 30174 85253 09217 55097 55945  
48104 26944 28586 85058 89046 43589 46750 27050 37176 86725  
19300 00000

**10984/10158/9213 kHz, 18-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 18-11, 1700/1720/1720 UTC**

11100 00000 31794 17023 03029  
18838 32120 75918 98569 38732 42164 37878 61505 91265 54946  
56572 49894 12777 85246 46308 12294 06188 23334 11724 13385  
77301 85204 42736 27423 95801 86353 27148 20066 98160 25022  
10634 67021 74610 85852 58766 82947 07402 99894 00788 59043  
52507 21890 59799 32771 81975 10787 99072 38140 29115 24412  
39158 10002 03698 64236 25478 40776 69369 31183 51100 13069  
00458 78404 64376 56594 60356 71968 16124 02859 68683 95389  
26052 36035 49396 58957 73115 63459 77048 99772 39471 54204  
63381 83451 62751 19148 51435 43428 76306 30988 09363 18787  
42144 07636 41146 76574 06211 07422 56384 29516 30741 09562  
66362 85081 83338 78307 98567 86839 87475 34231 46857 34027  
64122 81077 99452 90285 19160 61612 11956 17494 56294 40918  
17577 95635 20138 40572 91745 14635 99160 72130 13318 49109  
43184 43375 89538 51967 75123 35751 36975 27789 01647 76423  
35581 71935 52455 53417 98106 86306 02855 47246 22016 07712  
59324 77488 16117 09765 12757 87743 19091 64253 89063 17406  
52091 72922 51827 33683 72623 05603 36697 22318 21879 05623  
22210 60433 82709 48447 66715 19941 90436 64472 66118 74962  
63682 61921 12094 11682 47405 10772 55486 64081 85327 73660  
04570 23998 63952 94694 12860 98928 95341 82110 36165 16024  
30857 45718 63555 95720 23044 75073 51958 43430 77844 69301  
19047 32739 64335 54522 74112 78544 74170 49816 91623 23575  
47914 67649 57141 86719 10462 59725 40285 46620 82729 44172  
74439 58946 61797 75016 47888 30809 86699 39888 36053 00728  
32048 96874 29547 97612 96669 86481 37701 77186 79459 79619  
72281 59279 59621 47574 41054 14444 23491 64878 05915 73326  
05136 81034 85251 57226 32899 22021 05226 53284 99103 07528  
29680 82738 95074 94837 23339 35685 78688 85323 27995 70779  
66628 54467 56381 03312 68532 91352 33394 30109 05226 58577  
39377 64681 78221 08505 35139 81064 82677 16799 73397 89793  
23300 00000

11100 00000 13495 17024 03029  
00134 06009 88061 01091 01972 19553 70813 56326 17076 47422  
60474 99067 17330 53206 70863 52786 66942 67207 74752 62655  
73396 09917 65011 20056 03726 42161 49063 53584 33310 77836  
56325 85004 19387 20182 63321 73578 16442 07528 66166 97211

75695 79446 55091 43853 95852 99262 70712 11587 17310 93839  
46730 40852 77009 96586 68730 27233 66119 04636 03794 88244  
57743 86111 80596 82568 96825 98430 24678 05163 69460 03582  
78577 06689 93778 91313 61521 10696 99603 46169 48347 26989  
89065 19306 72352 84634 95361 91035 81761 33026 81844 35034  
04488 84458 48634 20133 00885 96640 38932 10663 09180 18585  
62237 51258 13260 48320 76636 47074 87517 75853 97369 75359  
98432 09821 23847 89297 67573 11274 02319 00090 25725 83027  
66367 48186 12802 88014 22425 99614 03262 95079 72501 28352  
61687 75649 91293 70661 58237 99730 99892 62341 98643 04646  
03250 94827 48446 34972 83605 51067 56161 77105 67057 07135  
05052 36893 05465 10487 48207 33764 40873 70834 06611 09806  
44640 24533 34874 77224 48462 58459 84348 52607 09481 04291  
18275 51454 76656 39132 58679 41395 50604 53432 69693 77529  
54067 72118 06984 68342 55230 39893 87986 45619 11045 06630  
62628 36805 22767 73801 89225 63236 20889 87881 45241 12698  
21649 91658 27600 59725 22313 69395 22235 32106 27418 46770  
47564 47004 23151 31553 01579 65154 42066 05924 67234 36557  
85320 06405 55825 36122 94614 52318 93040 12680 91032 08721  
77380 99816 22957 94746 65622 61965 90256 73298 65028 74182  
36936 83022 36977 59053 29423 98511 41705 29172 62689 29660  
78859 08617 61393 96122 03523 31867 68228 37806 22430 43607  
36665 47333 00040 47837 70277 35417 29154 79744 75835 65087  
45787 98762 22359 15692 92948 26262 23311 62630 63044 76303  
84128 83745 73580 52898 82268 28310 55854 12210 71963 09549  
61317 13135 30868 06634 15306 04696 90795 87095 72823 23694  
24300 00000

**10984/10158/9213 kHz, 19-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 19-11, 1700/1720/1720 UTC**

File 44427 (binary contents)

**10984/10158/9213 kHz, 20-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 20-11, 1700/1720/1720 UTC**

File 44430 (binary contents)

**10984/10158/9213 kHz, 21-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 21-11, 1700/1720/1720 UTC**

File 44435 (binary contents)

**10984/10158/9213 kHz, 22-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 22-11, 1700/1720/1720 UTC**

11100 00000 96325 21048 03529  
30754 69419 34562 20232 77889 85304 05936 91446 78634 77132  
29308 48111 54235 82841 27930 49327 89437 47334 07155 01043  
84853 03042 50993 07558 58250 95114 41805 38755 24444 99673  
45329 23992 08512 08573 28233 08583 71973 79098 00362 33830  
56662 72050 98894 26514 75951 26637 56570 08804 08038 45628  
21190 64505 70954 89191 18575 22605 84020 00869 76169 44027  
45395 14108 49474 22562 80438 12807 18501 35875 40553 44295  
46431 07573 57211 08193 17676 66220 80839 69591 97507 12284  
59252 69983 80472 28916 35328 34384 19751 97520 68611 98085  
54668 04053 10524 01474 78531 46965 87878 26348 13996 82761  
74387 72190 88124 70085 54832 95802 24359 98270 11612 62766  
93551 11319 88332 84157 91290 63207 10141 36948 33661 65497  
65476 91539 88665 13155 78945 94863 85467 99532 29991 82485  
68660 56457 97048 18145 89738 80339 31884 84184 52965 30271  
93792 71286 57825 09019 98343 40970 05242 62875 60370 59272  
59754 61288 35883 25065 84839 42220 92594 41435 93562 34160  
63744 03570 81751 90736 64919 01578 35878 98870 78541 61703  
32829 46388 35720 74339 73763 60061 50161 82303 19239 49977  
83808 27811 17796 21209 48912 81561 45179 38697 76212 02406  
96405 56302 03923 01014 97835 45941 67198 05975 31464 87774

92788 55790 88595 07353 28543 65173 95113 70683 62473 39103  
75505 73134 11056 33078 47859 83137 81453 82986 66987 26598  
37357 53056 57902 22979 23120 75294 06795 08972 25895 78881  
01727 10713 80425 32936 40224 50457 46225 51100 45935 98684  
11783 31375 61579 07530 05530 29651 10334 86514 18214 90366  
42879 06495 66395 82729 12268 42771 51745 15950 43819 93293  
95828 31907 92212 32905 55063 98695 02985 89556 45540 53496  
20602 53429 32404 68190 10307 54909 63458 36171 85919 72344  
51708 03785 60780 55525 36509 94831 64032 75823 78018 01583  
89416 38933 64636 40722 68777 21139 38123 97684 87461 15068  
66076 07797 83798 95841 16462 47680 99852 43580 13882 35340  
75630 83192 82268 62389 03932 27387 03693 06831 88035 33843  
47971 99853 69403 12479 52763 45061 17591 43759 58842 13583  
99549 93971 30233 63502 70521 38410 13896 57040 53689 28414  
18652 73923 00791 63188 18035 44391 50885 52342 06751 50258  
48350 00000

11100 00000 98651 21049 03529  
26858 33387 86260 11290 62219 83212 32033 81074 04327 02541  
86998 19303 71369 11693 74618 27541 67441 87458 35457 66686  
62439 81350 12208 50862 05268 04362 67237 03900 50023 76671  
24848 39365 99868 65718 55420 50057 98254 61103 43645 17907  
22206 59734 08028 80238 57335 59671 63843 13303 59288 86095  
46738 19041 31304 97847 39167 26007 72567 47964 66843 40384  
77062 96665 57404 08043 87588 00213 78460 73564 34649 24089  
97240 47181 14888 53926 28993 15560 88762 02630 66350 57372  
02144 37134 06841 49586 61531 73213 20727 75422 17569 11811  
26365 69900 36544 15296 65272 63926 64566 47113 94091 12854  
14115 23234 35631 20446 27624 48874 56180 94199 97815 38897  
61278 92938 49460 45346 27130 52646 12242 40542 09854 01440  
39429 29190 99742 99661 52039 87922 12748 65990 13164 55721  
36333 75530 62177 23660 71938 40815 63476 97397 41189 11653  
49474 30863 48077 54757 62506 54567 14283 99106 25365 46989  
29825 57954 95119 22454 86234 63446 79932 33965 84436 74767  
23554 14405 34520 45761 87173 04557 89597 62963 83323 41380  
80930 89977 41527 04980 46511 79143 10362 47696 70289 36416  
25646 53772 74233 50421 99420 03016 30408 21593 09421 36910  
85258 52356 93722 50594 13297 84277 80253 59172 42356 93128  
05854 11766 17630 77795 04578 51763 96655 03975 69917 46693  
92451 88586 20640 36173 06983 35860 24930 71352 22142 61003  
62513 44301 40446 62415 29467 30779 92622 28370 15379 94819  
54274 89111 07569 28562 38822 50289 02043 25790 58897 68692  
25879 12581 73384 56191 00716 83534 62288 22852 02054 17001  
96630 95141 94032 67748 95543 70167 44399 60515 87768 91895  
49325 32872 19725 60274 22781 00839 77357 09205 30150 45701  
13939 14300 70763 45444 01015 16367 39055 99261 44679 71542  
19012 18563 34378 64034 91611 82923 16408 42397 59943 84419  
09318 65270 21681 08767 03393 67542 43619 26728 11398 82848  
17938 94198 62793 83363 04900 84432 58582 22811 91651 00825  
28998 93635 21839 43702 61203 34273 75698 29560 89207 47452  
05333 86169 63167 15476 54844 72003 40275 23404 20021 93423  
64416 26093 27262 18048 26785 20012 36430 07756 24640 05787  
97309 19752 60396 52402 14378 49145 48237 99006 99550 11455  
49350 00000

**10984/10158/9213 kHz, 23-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 23-11, 1700/1720/1720 UTC**

11100 00000 95137 22052 10029  
20203 44806 17902 97587 11032 98158 82578 19814 62747 91600  
83774 94063 67038 36770 20669 96185 77929 52691 07897 71902  
61703 34133 11074 83141 72310 47401 19511 40402 56949 77009  
73336 07098 21523 71674 87195 86799 10628 63053 37721 29339  
81798 55686 06955 16692 78666 11556 98926 14576 32738 77717

71549 00725 48470 30438 51048 05746 51336 34266 21087 27519  
03568 39491 03790 05070 17256 66414 74854 62848 19511 49871  
79919 61358 49349 42451 44406 15071 91020 99839 93986 63562  
73433 96733 27900 06810 90391 46755 12279 40584 21313 24808  
85682 52881 57132 15317 94032 67323 61053 34775 97123 44473  
18869 02057 13901 76990 58504 54908 98704 39580 43494 36080  
65652 79656 70073 97518 03353 59675 22563 96060 47144 87056  
66750 79075 01030 92646 85940 83479 26525 43650 89377 96570  
40564 01974 47705 52117 89698 63919 35178 60137 92737 42158  
83291 93802 69037 75929 75525 81916 94624 80402 37892 80394  
53337 71128 04969 21176 75174 24539 66105 62032 79035 60405  
21503 85673 62048 57213 02833 21624 02665 36391 38099 89277  
69706 76310 65429 85590 54569 42020 25472 65834 68743 41635  
87099 90856 73865 45327 86102 39282 36472 27843 81548 08092  
24649 20506 59517 50021 88761 83617 38878 21207 93458 35213  
58808 37532 93124 97102 52737 63092 67988 44126 38404 79237  
63050 67581 78717 07610 97044 88740 93098 85625 33592 83404  
24007 17839 31761 03432 88320 51614 18202 06173 68280 50563  
48056 27757 21658 64165 46818 61162 15857 17019 50346 25008  
15631 66159 85200 34009 79092 99881 56506 07022 41718 76505  
35517 73634 93027 26513 64080 65226 75625 66512 18178 01430  
61291 98448 97741 07954 83813 92505 34924 26681 33244 77142  
38007 03991 41269 84691 13159 68249 12380 25961 31192 32384  
80529 92279 31541 82505 95971 08421 80627 38494 71955 84842  
26813 97502 45974 42683 19117 96301 35253 09943 81892 53411  
91164 12300 62649 76960 82250 06991 95205 49197 60551 33197  
45359 23605 90919 77368 31271 95550 48014 76926 35737 32402  
10649 10791 52543 74065 08205 50150 34092 39856 98767 67929  
32489 02671 83699 30387 51262 16365 88319 19275 49930 07309  
63390 58005 68573 66024 87084 40256 64627 99867 72138 84460  
79054 32681 07857 62606 74114 62355 91674 76793 09892 12240  
29960 81981 51787 37336 12739 78366 26148 71216 92030 21825  
66237 24604 18490 25861 15717 71543 16034 53490 81840 84116  
99144 22515 55537 01624 62539 72601 40587 45175 97882 67620  
59052 13635 17246 31675 25176 21849 87989 42260 04922 67088  
08754 28984 03344 34663 81259 51302 46982 78626 57588 53679  
53455 38520 67643 21644 05458 78083 56473 87150 71334 56884  
86143 56701 39423 70787 81853 60651 58356 22213 26967 47153  
00510 06117 36670 69158 90778 22630 64919 37930 67873 52300  
24383 41494 70328 54861 24057 51463 64399 77479 54244 66691  
56041 83411 73584 67168 54165 37006 77821 76612 77341 05994  
55001 57193 21153 67000 56772 84814 28382 25213 40501 78409  
29210 84154 61864 81668 43631 26489 22622 20653 63257 91790  
03254 85722 54705 62241 35144 11216 51753 92159 92005 51324  
28456 42320 05234 75592 70403 05000 32867 32486 86308 30679  
36851 54465 27121 92341 48292 02999 04843 48311 25387 76953  
28240 89560 33714 32806 97635 82426 03573 90101 25973 42682  
44070 20614 78339 01883 18621 44622 47124 51940 11574 82763  
05024 78860 40626 36886 03051 21575 94737 98344 05760 16802  
02213 07171 80869 15893 58649 10567 85455 84579 69436 94145  
15925 21570 86492 84371 13941 56934 43928 45618 45495 16207  
22322 20304 95307 61152 96296 85523 43753 43131 45085 24627  
18488 29994 30772 37171 37978 92455 73897 35691 89100 60874  
81110 02731 06020 88380 04565 06550 42526 81291 37736 98978  
55004 82748 77356 43825 38250 20510 06146 49291 81296 54850  
76031 02830 35448 87485 96550 31883 11713 17479 58107 38930  
49817 55049 44783 84299 25982 29234 16388 15164 91667 50333  
64436 64164 60454 13077 71733 66108 85256 51453 30268 66164  
93061 81134 97086 18000 69370 90436 92848 95297 09532 65755  
72743 65094 79166 62405 24457 96361 50848 56814 72879 02291  
09257 40999 96232 39698 41959 45265 83321 13997 58041 00063  
86571 63182 01741 72946 50571 19245 53299 41569 20774 70470  
34206 88639 62078 73058 59020 29804 41946 85486 00968 10366

57766 24072 63491 31793 13144 63164 74948 93949 72801 28397  
48635 63982 50777 56446 75340 07816 11620 19737 40593 45167  
89252 39518 83818 14049 53201 35760 41564 55672 76875 87305  
42001 55698 87588 00710 42886 02782 02999 11213 30159 50329  
83666 64275 19379 92420 56416 51119 27177 89829 88179 96710  
04921 07079 15019 23619 51766 46464 56011 40198 49295 89996  
66686 26514 84923 85181 11701 16468 56267 35593 61438 99552  
73645 82165 42224 90663 02925 86144 94835 41428 15882 49640  
21010 91461 40264 34712 22622 83015 26757 66927 63220 87435  
75023 34328 06628 16869 86021 17749 12267 19676 32772 13418  
91918 82956 66770 33781 57591 90655 02242 97485 15191 10660  
45397 44462 83682 09348 60917 37041 44421 17012 92811 33043  
50354 92595 81872 41779 49765 61190 46894 98895 04267 22722  
21851 21010 05707 55261 66212 26064 21701 61405 90605 30340  
24455 31167 64979 58073 82581 19793 01488 24600 20592 63974  
29264 78979 75749 84865 03276 17025 06975 51361 14453 00680  
35489 02061 93266 44684 21882 49363 23962 56461 09296 14134  
11611 40162 87407 64362 69195 00811 56903 56279 16895 09485  
99118 01332 10760 15466 80557 07496 42982 16303 46946 68326  
80921 21722 86537 98205 37097 72320 67335 37224 87319 98984  
77931 74119 79158 33972 26647 60723 97926 09579 78657 16353  
82369 05357 35801 45577 07259 29795 88739 17798 75051 47415  
96179 82091 83837 87205 70828 15736 63728 93358 76772 29867  
98900 04209 67977 80705 77466 70350 22578 59786 36364 47840  
52666 61623 93457 27437 94247 52263 84029 85822 07070 87145  
43855 69722 38989 51728 06049 48876 34588 23290 03862 98801  
92710 77375 96633 99268 02615 87299 61063 59442 13423 90154  
15015 05622 16563 17763 66015 92510 45884 16007 01658 23965  
25137 00978 64080 94150 17502 25368 75718 85042 56859 53572  
08511 81217 65479 68900 13756 87863 87837 61368 54790 62954  
95213 69489 09696 99513 40795 74503 36212 18924 69945 70488  
16038 61202 15341 58791 20723 83187 31657 40206 66319 00574  
52000 00000

**10984/10158/9213 kHz, 24-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 24-11, 1700/1720/1720 UTC**

11100 00000 25841 23055 03029  
59698 17438 58445 20161 12850 25380 01158 09195 37613 58383  
68272 36008 31698 47949 07010 60320 86747 92494 85510 78077  
33736 78125 65432 28209 95509 35051 52774 90495 94875 71830  
37865 29244 91716 54638 60438 62441 47527 23737 60756 61091  
40841 64348 02693 08415 81969 74102 79737 73593 00497 94253  
39844 79763 03965 96861 90058 70921 31186 45108 66877 07456  
48628 68954 83261 44971 63292 23310 88252 76104 50544 20917  
00115 40015 20317 57118 98964 29239 70132 68718 89791 48595  
98375 94106 71847 05828 76265 26841 75299 38677 01943 79877  
51126 08057 85138 02624 25158 12045 35837 18023 52224 00347  
55383 71840 31332 93950 53469 11338 67818 39631 39436 35542  
93409 54014 61330 84274 80139 36875 91154 58140 09033 58367  
79739 86661 79532 49856 29689 86742 70572 53059 59828 78656  
89257 07179 59591 51738 68066 78697 56789 96965 96545 63553  
47192 48635 98392 16352 59367 02297 89903 86320 53209 01148  
80699 64698 75598 08076 02670 73221 21621 05528 78088 48423  
74803 90404 62815 01420 24778 56155 25541 57866 85833 79272  
49002 07782 64776 52370 64101 19922 51556 31021 52887 00393  
31071 86563 81302 00186 39605 82046 47675 01334 14341 13508  
57848 36357 09364 83770 62925 20706 76614 00948 20541 02881  
35216 18843 65605 61902 77625 61431 01464 06852 86030 98608  
47396 58130 57440 65400 03409 15161 60908 41815 18246 40188  
75318 35525 71558 12893 81174 34574 06176 35484 04834 22286  
71411 92975 38617 71572 63334 98315 85238 60816 72965 77079  
99982 78534 78302 71388 29083 08986 41147 67763 67718 15932  
94644 78588 86082 66731 32489 31875 96959 63944 35720 49013

63232 76651 98063 15200 68778 88668 35733 72234 01177 05837  
92657 88356 19673 89585 77038 84830 06828 08956 90206 23950  
27307 28263 33694 88155 42227 72594 05471 04964 52508 38324  
21272 97364 69669 40839 21969 64414 37504 16654 52906 21683  
55300 00000

11100 00000 31824 23056 03029  
88656 73204 23200 28833 57054 32451 75946 26189 67337 78242  
61044 53764 22573 75878 29868 67815 75991 26263 35652 53050  
18782 98594 65667 27234 21878 33064 23484 96288 30192 05771  
22281 64560 32725 73021 75123 29962 56994 37226 93144 18652  
61216 01547 27589 38964 22676 05516 16623 59255 45734 58797  
22885 39370 37889 15269 72685 70405 27354 54640 32807 02463  
20568 63767 85840 65075 23086 34863 89995 10003 72292 22791  
34315 31071 55362 28631 25245 40755 10913 01696 65481 08185  
37788 77200 11050 88262 59409 91755 17536 96587 17126 43883  
11419 09865 91012 91742 47436 96485 71541 05249 37924 06979  
30572 14769 65070 79009 65096 23595 12007 36616 12172 76368  
73696 88369 58488 00653 33533 54157 92995 63833 16614 75252  
76043 12547 55596 87380 23449 86802 30100 61466 28960 26013  
65575 41729 73521 09096 02585 35845 94800 95850 72434 36836  
15406 61796 40084 81391 53232 43640 00284 74300 62368 37595  
37875 33681 78019 17701 88179 36707 63860 66367 58431 70502  
85269 34301 96178 17903 56888 72017 15597 32765 37919 00123  
17648 84519 73631 10556 65022 76642 06481 15968 97813 68745  
05308 89442 00839 56968 86032 61724 58568 92351 22293 68168  
58588 41893 69463 62572 29527 21963 50485 40094 24407 58772  
76960 36447 85329 55581 03924 95534 50453 71325 41757 22750  
89194 40363 73656 66092 76585 88023 52119 92310 42729 21637  
72856 50250 58293 01748 49593 38596 41976 23183 38188 20200  
00878 60680 83493 50172 39725 58749 87425 09934 99879 70457  
21646 64413 14065 74833 33321 84574 87760 27566 17382 02466  
43187 24698 53721 90969 86832 83990 32778 85458 86442 73651  
17932 89519 68434 43116 18151 31961 71643 35565 69337 67265  
18368 86870 47796 36697 88622 40650 64270 32230 08571 34129  
11983 30507 89033 34481 67122 88996 75051 30358 65196 21553  
92406 08268 01717 95548 02065 68517 30627 17786 98455 60380  
56300 00000

**10984/10158/9213 kHz, 25-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 25-11, 1700/1720/1720 UTC**

11100 00000 75314 24060 03029  
44678 45366 18018 41600 57552 34572 66251 83919 25588 10366  
90387 65884 19082 82410 04634 63002 12912 86789 72882 87088  
02938 61758 56209 67528 31090 66952 77668 18978 42595 63237  
90300 25169 23758 95397 59304 93513 93753 44836 94304 60208  
48863 44485 92661 50498 82578 73115 79743 23818 30034 71221  
57115 58476 10189 45676 94573 55578 64195 55348 26966 66881  
13406 94861 41736 76252 85437 18682 68122 89437 81743 72729  
03964 11811 85130 25694 41030 18804 30647 17251 74835 48701  
88294 65349 09852 72475 30989 99780 96080 20376 86214 14193  
57898 69930 94809 53763 01135 25066 25310 80685 09305 41029  
17310 84695 64942 74798 52249 30787 56964 65663 75093 61336  
60013 75676 15318 94796 96704 44651 80658 88171 18726 39399  
22038 55436 67718 01893 93139 59117 01884 26038 53031 17186  
99245 17759 85302 92488 73518 18055 32140 56871 63499 93747  
66782 47207 81945 25581 52792 55499 34848 48380 63578 20260  
47067 22939 60618 11342 55243 44346 53796 25415 53931 16414  
92320 34276 05902 46908 59637 53178 52530 43278 70787 21367  
85232 13545 95644 12008 63861 02067 56465 13703 93019 14850  
73195 50770 92225 14098 54969 34485 20850 86685 61237 62458  
43788 16249 80956 08359 48790 13574 03288 69144 51380 84976  
78237 62004 48323 43351 90671 88197 05553 91593 96150 05969



91521 33063 92015 79739 91883 88791 22171 97753 66479 26113  
38988 75361 34529 28411 70783 86150 98994 60663 68294 88079  
46033 10472 28600 36829 80493 09279 19918 03547 83376 63437  
55721 39169 02214 49833 91608 52517 10287 55747 43361 94348  
95635 67647 49633 64553 65790 38584 27708 84680 79157 88895  
95757 02989 39015 19899 60044 24198 11028 45252 90498 81139  
50249 69686 33116 90488 48524 69786 32608 59763 38244 56506  
63743 37783 13385 24117 94819 25771 53769 15259 31697 91289  
63486 56804 15841 52190 59415 46204 74806 22780 70773 93004  
60300 00000

11100 00000 14238 24061 03029  
27201 31489 95728 38479 22705 34809 68176 14233 40428 75106  
12758 75938 59660 08288 81243 18664 11777 46378 84518 25614  
31720 33689 67157 09771 09968 25421 94209 16578 49683 92155  
67382 73588 58728 98654 12802 98027 31217 30416 07545 98207  
98322 66422 37128 29714 53000 21520 01143 92332 78324 06857  
09219 78620 34128 81835 34509 10084 81634 95997 16885 21890  
50756 44291 33019 82050 79762 84156 75557 56011 81999 87862  
08554 52599 19343 28537 91370 12244 87082 23322 88210 23428  
39914 82100 05499 78297 13738 35225 24264 03367 22939 38685  
19744 26263 37852 80156 85375 64437 72078 34368 03369 46793  
34366 41219 29055 04155 24715 05090 81185 89530 79423 38780  
55375 14086 94728 00516 02888 09789 83767 97457 41927 54647  
46515 54154 93642 21480 57394 69369 60033 36166 00264 09728  
85920 56296 05443 13619 72209 06183 68481 03785 32586 29140  
55351 32042 10876 43005 23760 04570 01228 09802 15252 61197  
38315 55513 97808 07141 49751 00889 63619 20608 87888 89215  
11719 84734 83211 22011 70170 17255 86490 38552 37493 96385  
91897 00202 48010 06319 58264 65447 90815 50794 70671 66604  
37035 08170 09561 24119 55079 26439 19551 59400 18576 81615  
95150 92130 36655 47949 25550 32985 61298 53386 65685 07697  
51416 18721 25759 73405 98353 03883 96404 13236 42514 09781  
51685 20029 35775 09164 97104 05177 29400 04909 54837 93484  
92123 39194 03341 90014 88097 01998 13559 29834 69391 12331  
48892 46612 62729 70680 21121 21005 55149 06069 19477 94756  
08286 66187 55048 61470 55941 24031 87703 69964 64653 99470  
27715 01178 61936 19213 29291 04536 61884 63567 18175 04731  
42827 73472 20524 14857 56722 16217 85245 16816 74976 33276  
16968 94959 00375 18732 61852 33883 99816 01684 13425 16321  
37537 31110 30606 82076 13500 86598 85148 33923 36665 63405  
80643 01415 87792 05256 10305 98550 51499 83345 45710 36217  
61300 00000

**10984/10158/9213 kHz, 26-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 26-11, 1700/1720/1720 UTC**

File 44464 (binary contents)

**10984/10158/9213 kHz, 27-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 27-11, 1700/1720/1720 UTC**

File 44467 (binary contents)

**10984/10158/9213 kHz, 28-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 28-11, 1700/1720/1720 UTC**

File 44472 (binary contents)

**10984/10158/9213 kHz, 29-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 29-11, 1700/1720/1720 UTC**

11100 00000 23567 28085 03529

65749 21837 40381 50723 50900 20992 76903 05705 30928 63050

78320 76125 38275 68880 17309 42041 31597 98635 03990 75806

56429 73820 89998 31179 34465 42418 87886 09084 36126 60529

73049 35979 16137 88942 60351 15750 16755 28095 72650 41084

68383 39839 43406 75250 42225 29470 20554 40226 34669 86442  
63840 72115 88118 07214 52794 29779 77917 48658 47544 67639  
20087 85480 69641 08566 79544 70077 95099 77810 83501 18268  
76820 83908 69723 69350 38611 57490 24346 93903 07964 83939  
88914 47794 79794 90841 41372 95790 28328 76150 80635 53268  
09312 88013 69493 19399 19752 92200 15483 00290 07358 88064  
94437 45505 46871 58970 46411 46396 25495 68144 98639 69689  
04574 35863 95250 24768 49741 58928 38394 88075 46714 58366  
70485 33094 44905 66289 52253 39320 96073 87849 16273 78686  
80169 99233 00675 02859 35574 67624 92719 79851 35930 04078  
36920 53397 80733 85243 87403 23505 91882 04877 09202 71652  
33379 41063 58149 79039 96353 50110 94085 11347 16612 23039  
07049 68439 16893 65603 61136 22446 91012 87787 85736 92653  
72102 13713 68813 30659 52104 47889 31914 14208 44730 58754  
91625 73170 09065 65439 37121 96072 75999 38683 78524 90641  
44685 51857 45758 96782 41196 43020 42557 75447 56583 73941  
85363 21802 06510 97039 81758 76169 79661 66169 28136 31141  
67110 52189 31306 58339 89821 49255 83705 03227 66494 82775  
46915 21431 88922 54957 23159 55013 97062 88894 19487 72102  
70993 57127 34312 18359 81960 05608 21008 53685 69690 09018  
08235 72633 38162 18371 81699 31932 87015 86836 57023 33592  
20807 84721 98414 37004 03269 39553 62824 98489 48786 62198  
74285 61716 68264 44950 58106 47447 11578 42529 89624 16028  
73791 71929 37188 01074 57334 92054 04072 37785 07323 49068  
99004 34326 62214 98413 89992 59712 86976 39422 21138 46632  
80973 23466 97126 32657 77729 21578 65085 88256 78797 62480  
48485 05079 88874 76964 12786 42915 44391 09556 67503 58794  
52733 83399 34393 66646 84307 29308 36433 00968 84616 14902  
87295 82925 98543 34795 85995 12352 24036 47740 46397 34034  
37367 71698 16279 51783 57165 72741 65632 88672 39408 08752  
48885 16922 20550 13842 70744 05835 50992 34424 10331 61246  
85350 00000

11100 00000 12457 28086 03529  
41695 86820 94300 53853 51960 17095 05158 29301 53669 41262  
70398 09082 78167 80275 90958 53703 82157 63531 18190 16779  
92963 98908 22804 83476 69505 21415 56872 74295 89943 75144  
82342 81365 01914 08215 64485 29452 96301 85383 53724 78851  
90488 48027 04282 12377 32010 76172 03083 73606 58553 32264  
07342 48590 75252 91355 14287 08206 35196 87424 11442 53338  
34100 30472 80924 30089 55078 74123 56170 07182 24444 38401  
54551 32772 64489 17359 34296 12832 54172 26267 49178 78307  
33650 68038 99384 33235 13602 23581 02018 00995 75267 95755  
29666 10908 72156 61645 90472 92340 69340 12806 48152 68525  
81297 88196 05381 67271 94213 29468 99003 90757 83704 13309  
80502 11595 63882 40522 80145 87350 28703 86537 78271 10709  
71545 43025 32138 37469 93943 05322 31778 59563 39416 85334  
83290 15277 13335 54631 43016 53870 74766 47381 51029 96774  
11221 77862 37376 62566 32244 52192 99515 47889 42809 78992  
74381 81524 82415 08666 53513 93801 40856 55972 14690 68511  
86579 85593 68505 69542 68589 65377 43325 59401 77816 16935  
57059 51820 78893 18305 49179 65634 48294 38340 71446 72112  
79736 07527 60747 52933 42826 54921 42510 10997 05851 65879  
38122 01255 58671 40280 74781 73742 96659 55921 21237 46011  
51591 66780 97842 47141 80463 90825 34359 00523 48154 67067  
73953 37597 64864 86530 46828 59734 64289 26846 61910 90458  
33445 45138 90050 85172 30094 08903 37164 90608 48704 69561  
30743 71158 20885 08378 68193 44297 61229 09425 00422 92268  
94505 39290 49115 42230 25132 38209 81147 32045 34878 52310  
88555 03903 19723 61656 47515 92957 01811 83783 54764 03185  
77445 57408 64897 87614 87052 36003 76985 75161 18054 45916  
43938 11220 76594 88736 03071 04214 89043 92580 51291 95291  
19229 41994 13352 93357 12327 41153 76615 42616 01350 90055

90751 14829 37169 78386 55817 43462 28011 26745 47154 41918  
99363 29928 50539 73039 10230 81947 06024 62060 86664 87473  
83906 70214 58539 89392 41268 71165 10463 67163 32516 97465  
82798 85668 72360 49209 83720 99229 74680 82096 98240 40501  
15701 17066 05145 48897 94920 38701 37781 18276 92237 74595  
49624 68530 44704 72864 70573 70810 91335 19980 64902 81030  
86350 00000

**10984/10158/9213 kHz, 30-11, 1340/1350/1400 UTC**

**5417/4753/4061 kHz, 30-11, 1700/1720/1720 UTC**

11100 00000 75321 29089 10029  
15308 30341 37115 33736 79152 85611 78762 93759 64668 72508  
71449 56310 13527 99944 37543 97254 00246 91468 24550 77943  
25598 96030 77678 01725 67917 88287 60135 09223 28263 38158  
19630 04586 30362 54293 24498 29858 61279 31171 17896 29704  
63743 54478 63498 73640 16073 44496 81134 27978 60636 42147  
95806 94657 66786 67415 48524 59172 39206 04813 42392 14752  
07594 95587 22387 55009 58643 41350 12267 52231 96243 48824  
57049 63498 40837 70387 44481 31830 03874 20111 03967 74527  
98308 69961 06361 75922 71060 55882 13085 26696 68389 48411  
48000 76978 70122 67545 90461 95399 53653 46528 13009 51282  
73680 74251 12127 62172 68592 70956 05499 73884 29457 76922  
94209 65262 92548 58836 13328 94820 41335 63519 19297 31479  
28894 73708 87592 36566 56658 45572 19056 89271 70459 32658  
78371 72751 59789 25948 13098 63065 71216 64716 26714 88122  
71912 97877 04098 48851 24203 00507 12887 19749 57092 75226  
29160 71020 45705 93143 60863 79486 34571 54021 67436 20448  
65690 70381 99063 57691 97330 05219 03993 73831 24479 18014  
77354 08174 36892 98735 49927 94275 75681 94521 40281 14416  
74373 58716 18736 13129 95375 76968 56569 37029 97794 50057  
58929 93069 97535 38153 04861 42465 05629 96183 42905 72438  
55710 55007 15707 12981 56609 28069 12057 90830 30957 48241  
69814 37842 25785 64513 78148 95928 06018 53246 52532 85790  
66824 23659 80926 31585 25749 22240 64596 58752 80569 65772  
01991 07164 43805 57664 89124 26799 89840 67262 34908 48123  
75563 76839 14853 44361 20493 25955 11586 27853 57305 07854  
15632 47683 88717 97616 84878 80758 11648 16721 86169 33540  
94601 63729 67466 96599 19221 65770 34019 19198 21927 30511  
26966 96072 96598 03302 27825 83619 44227 59191 37296 87650  
80477 84481 01815 89931 37096 27533 86301 05667 18109 23489  
16540 89133 96736 22610 39615 29649 63975 76919 75867 05056  
64768 64824 60774 84910 82721 58427 00224 00575 59281 63184  
87592 24381 58334 84628 56088 25072 12143 01825 64774 91695  
09574 52248 41730 43144 12549 57784 32779 65528 11650 46518  
29208 44566 56830 50025 72944 85181 24154 80825 62603 35499  
04510 19709 08850 57417 25239 67610 12521 10954 40603 41719  
63934 44547 52046 20517 86827 08503 44173 67432 75363 33768  
47390 87789 97641 43235 63140 98747 64146 87742 12682 16921  
84579 23975 95330 93353 61504 76444 67115 50553 94246 50739  
75784 01256 91486 90235 13092 53623 15978 93445 70309 32548  
09838 34207 07901 71763 73832 51879 75286 56437 99114 03763  
41652 20949 74832 96899 23723 31517 20056 41459 21453 08395  
13459 92900 97557 67288 19195 75084 61838 84709 32393 01528  
46218 16938 92731 37000 81451 27287 39506 66630 11421 01356  
06646 64725 05973 54957 81102 80479 58229 64412 73065 82772  
77300 73888 71416 31226 12357 59483 82887 65732 68977 54731  
78345 31612 03724 67220 94638 82613 07875 41016 65451 28930  
16258 44572 79597 22423 02119 88807 90195 96237 43955 05065  
23159 01006 75271 37597 58437 04815 53177 30318 82454 49131  
06763 12454 35171 77876 51211 12826 00215 81826 78563 57423  
11519 25535 61075 29972 74892 48963 28122 00174 27978 61006  
02568 49310 87022 67096 07542 47898 53905 98077 79575 65083  
81848 32544 49009 14459 23267 29811 73631 65998 08179 15730

36474 78789 26623 88511 43711 34252 13514 36766 83581 74540  
59377 86932 32296 75799 95406 22289 17849 10979 26265 40739  
77674 81881 09084 43545 71096 25137 02094 72218 32493 21795  
31311 35728 76126 65210 48739 95241 88567 66922 80508 98563  
69656 05207 88387 81473 07935 45995 93122 78145 01493 90841  
33023 07835 60155 31628 56239 30024 49964 16694 70174 85211  
65871 58084 96453 63536 43602 34594 04907 68416 46610 70302  
24985 67399 89068 93282 58061 47401 80837 04172 39045 16539  
05336 09301 20749 19716 66265 98051 79454 60180 64116 69145  
65095 44219 88402 35546 44514 91184 36545 62660 11226 76043  
95364 19529 60114 96630 46103 47692 50515 82799 78921 77417  
06110 89652 27804 45983 25077 42042 61811 97692 98932 22529  
93619 70321 63503 19981 91285 97674 30460 81013 04161 82942  
72860 31438 38920 22548 63131 59926 46607 85171 86929 81062  
06668 75631 81318 19985 18885 38326 70700 85788 39164 79903  
98937 25893 20102 15865 81109 78548 42280 70776 23322 65677  
47219 86784 84036 93232 07929 20118 75332 51269 97989 30268  
27546 30901 45118 91525 65732 00346 80129 81582 71376 07242  
17257 26851 27799 99413 26753 09230 72686 81287 85711 63970  
06193 48141 18053 23346 28043 65369 59605 85811 02076 84953  
09224 15343 71667 16334 51877 00627 74475 93858 64649 28815  
29926 08001 41586 53512 97904 92538 98328 61683 32069 84873  
42465 69187 76229 01686 20554 99594 77230 97103 77726 26013  
12783 95586 90843 80569 57662 16697 61113 61270 36734 33957  
77120 90901 38230 34977 84209 07678 85708 75033 21142 92305  
92156 41298 09991 61170 44649 69901 10179 80315 93012 83003  
72630 79918 40937 38086 54946 73934 62957 06634 83555 14607  
95759 24390 73780 36530 77234 80394 43746 69950 31726 36972  
83073 27988 24909 97862 62298 97475 36733 66691 93948 88102  
25866 62948 81221 19538 84086 87686 15192 51235 04047 56104  
06497 84598 08863 39216 62430 92202 16946 81790 45381 53746  
40534 88744 73563 03435 41349 97182 49962 18473 91824 76272  
30444 03365 15329 22132 66962 49693 03838 39930 86801 76082  
36484 30379 93792 78021 47419 22810 02432 42233 16435 22014  
40859 05294 80772 61049 83615 61163 91562 77184 00119 47342  
63329 53173 29808 64320 90001 91059 19880 08018 25864 10676  
86561 19900 54885 90042 85859 84461 96864 89854 04710 28748  
23833 29226 08489 03633 85144 04902 05795 51504 64696 71107  
16466 90077 18715 22236 53748 67003 67549 45549 56563 64958  
39899 36091 32818 61924 92929 90989 99677 76319 56699 25348  
31754 51686 76335 76900 53140 60615 50416 91625 34231 32598  
88962 07505 79266 35486 39513 78613 15533 65258 54696 06731  
20165 23775 99738 72658 45481 89202 23360 84428 28790 08807  
40485 84600 97612 68798 00200 83825 06246 20909 37413 12861  
64613 70400 31632 10241 45342 55185 21318 87772 79994 70744  
47232 41048 80399 20540 23241 97172 46022 96595 57979 16881  
43301 19950 75845 93235 67900 95649 10746 14098 25803 61990  
71027 80556 94196 38678 99042 98493 48081 03606 73782 85491  
89000 00000

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**5089/7337/9481 UTC, 10-11, 0815/0825/0835 UTC**

11100 00000 65478 10057 02759  
11260 93501 71396 04861 70007 99131 58124 27007 01302 48551  
20649 70171 36898 60866 31124 53293 37392 43516 24095 10797  
58372 66810 87900 43339 72929 20197 64767 12022 11440 54950  
83023 93237 04582 42985 69894 36359 40502 06462 18285 91442  
72088 97884 06019 99135 35276 35369 90943 59986 64317 22785  
30362 25328 14979 09436 98212 76936 31567 68985 98443 87646  
18755 02313 98008 80107 04122 93968 27946 25876 02357 76943  
25938 52023 17060 85421 18834 47456 41075 00206 68538 86125  
41303 16513 29721 09322 38916 88812 92777 34236 20925 32413  
10487 80985 44032 86462 31790 35270 16704 68071 91142 88876

70404 72233 26869 25192 55928 97233 26953 41926 25769 00235  
25713 28231 88452 12723 99795 38400 45796 70507 36914 29338  
48999 37957 75786 53988 34525 31165 40700 27902 25714 69723  
19142 11142 11038 11801 55931 72704 34973 52206 62297 29653  
62391 88131 63334 78135 02435 82254 32274 58498 02797 77894  
85004 21653 50347 45907 33297 88918 39051 68001 20140 22492  
91100 86170 85661 48760 42214 72930 37037 01629 27031 02036  
20851 78055 25539 24380 21332 22987 56479 78755 32904 85863  
28654 92164 80494 15906 86090 49368 86031 88352 07987 36362  
04569 78844 49375 87467 78481 28138 33452 90715 83162 64344  
31505 31231 62661 74867 91373 77279 78697 45243 00378 38690  
21500 07057 93667 52317 55891 62133 43912 74253 01069 75177  
93274 83452 67508 52072 13612 26483 99445 45990 05833 58065  
96347 58544 74360 57114 11836 28131 37615 22941 53484 22675  
60485 81331 31935 78950 19702 55168 32765 55683 38058 79292  
09549 92594 48417 64290 21547 92602 73445 38898 64460 69346  
32002 25699 67692 27235 08123 29819 56546 66205 43549 45287  
02810 28365 39721 57273 00000

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**17482/14432 kHz, 03-11, 1300/1310 UTC**  
**File 44444 (1807 bytes), binary contents**

**17482/14432 kHz, 10-11, 1300/1310 UTC**  
**File 44446 (binary contents)**

**17482/14432/9944 kHz, 15-11, 1300/1310/1320 UTC**

11100 00000 52167 14047 03139  
81302 68992 40686 62772 03219 40229 47621 63585 99996 97742  
53602 37019 42130 69858 54528 08929 65709 46085 18239 94953  
06131 64418 14759 20481 41671 47949 93119 73518 01608 64239  
71957 26422 18585 05877 36062 87395 29899 15665 56076 67729  
57400 04883 73519 75685 20694 38040 18340 72987 63333 82579  
51166 54841 96682 46957 47456 39436 91146 55539 65729 77844  
69450 33750 67071 20280 81662 01914 78082 99634 66631 01228  
14489 18241 29548 00298 07572 48792 90301 55677 00625 85363  
82328 24851 07611 05465 06632 55097 51221 29069 70668 96662  
22512 85548 66783 13696 29308 24461 69889 91368 25572 31118  
59059 62629 38910 32880 92746 03020 38411 07107 92297 66996  
10011 26708 13453 64197 31556 04232 10527 99079 64765 20421  
22949 22382 06276 48181 38857 67836 64955 07898 15429 72570  
57670 15038 60636 04643 40705 05972 06116 46142 19005 52960  
25840 05287 00443 04236 80278 55976 87295 10116 90727 28208  
22107 21098 73513 97820 30144 68855 88736 48989 25611 66086  
83261 07908 73827 86145 32630 71103 26552 08401 11585 76819  
72631 40248 47899 92899 71175 51723 39190 19610 59436 83651  
37409 30849 52581 15267 30699 02167 77551 02247 77296 99038  
08187 21084 71176 23834 93806 80758 44120 44908 98439 87617  
33900 56271 92882 74426 73258 41247 66776 29511 79384 38582  
52897 86935 48556 34433 80833 63658 85656 28670 02247 54592  
23228 48929 54908 21512 09777 10863 57684 36754 71999 48019  
53671 67632 80615 59778 43661 12515 74511 50806 77126 24500  
22870 60438 92911 83628 29968 05452 26822 03565 12347 84641  
28288 83692 03031 18667 53310 42552 62479 23574 25847 93573  
00971 41458 84859 49019 42100 76683 59184 63093 82067 11116  
37418 50154 24470 96789 25023 38952 95254 49457 05818 48841  
67546 91455 50049 98909 51019 17323 36242 85952 25510 80606  
78996 92221 23553 25311 79934 08913 91535 10392 43980 86306  
84145 00776 28157 46501 71817 23305 15089 19690 65839 11069  
28405 47311 00000

**17482/14432/9944 kHz, 17-11, 1300/1310/1320 UTC**

**17482/14432/9944 kHz, 22-11, 1300/1310/1320 UTC. 17482 kHz not heard**

11100 00000 39752 21049 03179

72378 99084 51624 54415 19060 71817 88762 91755 85386 08505  
 32136 81654 66726 07936 60434 16262 92366 34199 57355 05359  
 42622 20972 26812 21118 16431 28256 70342 53917 54128 74982  
 43912 65111 45079 95944 36307 47720 74867 96476 36286 30964  
 91718 03330 80696 89583 96851 35169 00734 43883 88441 41143  
 08528 61432 13883 80960 91261 96366 10046 44896 04977 27226  
 36199 37188 85296 79259 29308 71247 17211 42146 36372 50116  
 31146 19058 03509 30624 17479 68015 26459 94673 76707 21460  
 92205 76086 47443 94986 66397 16455 79430 21178 06256 48442  
 43769 69468 03659 29951 97529 37987 88089 77618 44957 28304  
 44139 73053 62439 39031 23235 40277 79432 39202 54314 17787  
 32533 07379 83090 73682 34880 47417 94635 37306 28077 16828  
 98946 45815 08826 28678 84180 29138 47445 12960 67263 81744  
 40481 48370 96544 94671 64580 00443 86189 46241 23822 26959  
 86998 74903 07701 36588 23339 82649 01929 11679 50881 42427  
 19268 31157 14814 07999 42567 54453 13250 49676 97190 52408  
 95476 64374 95030 96081 49777 33416 17291 39413 60473 26532  
 28223 56666 38903 75486 37012 20600 58008 65770 49993 32291  
 45227 19796 80382 38565 13369 70040 07724 97952 34165 45559  
 04223 81126 84193 20320 70165 16741 17839 96793 45608 18626  
 47003 23227 90522 55264 32232 68058 50583 47487 14967 99885  
 50790 05337 45583 46449 84115 40018 86930 31048 87341 11900  
 98037 09841 21313 00468 27688 58457 97757 07208 72544 81373  
 19882 27327 79506 42466 28922 51256 97003 40203 73839 81886  
 04895 75903 46349 78457 77668 88489 48470 63043 60635 54194  
 84776 50578 63790 74636 96544 88349 03049 01723 79993 15910  
 43518 72789 55774 81322 24524 54451 81934 74707 71047 18571  
 27521 64997 21287 98790 49011 50862 25017 01080 36767 61729  
 92428 66711 23698 69834 98159 11128 73315 99252 70174 87114  
 89369 42834 18201 45734 14257 22986 81408 93449 08386 57247  
 00005 68870 27681 14579 40449 87578 41429 73318 28972 28445  
 57634 16727 73071 59896 48088 49315 00000

**17482/14432/9944 kHz, 24-11, 1300/1310/1320 UTC**

File 44448

Link 10053

**10536/8174/7318 UTC, 01-11/02-11, 1650/1700/1710 UTC**

11166 10053 23971 01073 01669

78346 84585 48405 47395 23537 52965 26503 22879 07459 12908  
 29342 72504 18989 60200 60606 67076 09690 21684 38963 55099  
 26250 66415 82513 24148 06869 89298 91357 50349 36007 77076  
 34286 15396 36544 16003 70438 31675 17122 30819 20456 75212  
 86291 67920 98398 92031 94996 52990 23898 87580 87970 03453  
 87316 07642 94033 79041 99546 65963 74068 86052 70947 94517  
 70113 83196 96495 77936 52847 10333 59156 15687 54481 72773  
 23479 13252 74379 92315 19475 40888 93580 77033 70500 81479  
 43416 39142 42916 18097 77090 69532 31032 28924 13355 72642  
 94824 56275 63283 98592 62142 01055 06859 57993 22369 98094  
 80080 57526 81908 62113 79031 38039 05809 00182 53065 79666  
 79739 47566 66276 68208 27553 64996 19109 65633 24023 80683  
 45281 50877 89801 66243 91792 19286 69655 96701 53747 62793  
 96997 29574 86352 67348 93261 01069 54851 30335 59238 53344  
 40591 89172 36260 12480 72290 55767 99988 45618 29462 19734  
 82749 24062 44912 68286 62664 47384 92544 19795 09706 70654  
 75166 80466 02315 63000 73164 00000

**10536/8174/7318 UTC, 08-11, 1650/1700/1710 UTC**

11166 10053 54879 08075 00049 00000 00000 00000 00000

**10536/8174/7318 UTC, 15-11, 1650/1700/1710 UTC**

11166 10053 75214 15001 00049 00000 00000 00000 00000

**10536/8174/7318 UTC, 22-11, 1650/1700/1710 UTC**

11166 10053 54213 22001 00049 00000 00000 00000 00000

**10536/8174/7318 UTC, 29-11, 1650/1700/1710 UTC**

11166 10053 75319 29001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 06-11, 1530/1550/1550 UTC**

11166 10053 12345 06045 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 13-11, 1530/1550/1550 UTC**

11166 10053 15973 13001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 20-11, 1530/1550/1550 UTC**

11166 10053 25790 20001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 27-11, 1530/1550/1550 UTC**

11166 10053 98523 27001 00049 00000 00000 00000 00000

Link 30154

**10376/8128 kHz, 01-11, 1240/1250 UTC**

11166 30154 75398 01051 00049 00000 00000 00000 00000

**10376/8128 kHz, 08-11, 1240/1250 UTC**

11166 30154 95486 08073 00049 00000 00000 00000 00000

**10376/8128 kHz, 15-11, 1240/1250 UTC**

11166 30154 25813 15069 00049 00000 00000 00000 00000

**13831/10376/8128 kHz, 22-11, 1230/1240/1250 UTC**

11166 30154 79516 22082 00049 00000 00000 00000 00000

**13831/10376/8128 kHz, 22-11, 1230/1240/1250 UTC**

11166 30154 52814 29085 00049 00000 00000 00000 00000

Link 40122

**24083/22887 kHz, 09-11, 1030/1045 UTC**

11166 40023 75319 09001 00049 00000 00000 00000 00000

**27837/24083/22887 kHz, 23-11, 1015/1030/1045 UTC**

11166 40023 78541 23001 00049 00000 00000 00000 00000

Link 40122

**20082/18207/16141 kHz, 02-11/03-11, 0600/0610/0620 UTC**

11166 40122 23689 29027 03719

22983 07426 55066 80964 76781 51787 52835 45228 53233 99847

72821 96985 38245 91463 40937 73977 36405 04047 91582 59892

99640 39596 21544 47627 12225 93465 52587 45984 93057 09560

26178 47033 01188 51637 78767 96289 55474 45423 71085 32919

04363 71203 69868 92150 06686 11599 05476 87080 09444 84196

53814 12060 33488 13741 16019 34851 03060 23556 94327 69743

80104 50894 87582 48810 89321 15903 54795 33501 44864 98889

20224 33748 14637 05568 18384 26788 83135 24996 02439 92871

98753 09860 64411 10056 16503 33818 40645 75269 72075 05588

00959 43833 48199 44444 44930 04622 19209 46843 53742 33063

84781 98843 71041 89157 28769 14013 11228 52693 64064 01517

18630 12872 49439 94059 25998 54504 89297 90392 85741 07983  
52269 92041 72370 55204 69596 38978 79556 08644 99234 73888  
60264 05757 66621 89755 83387 85902 18038 40423 05320 41972  
47508 18833 79916 63914 83167 32635 55260 16341 44047 31839  
30690 17402 03199 68206 72514 11120 18112 91073 11860 50367  
14348 09282 73080 32672 33340 73909 06176 56050 80282 61493  
21645 87043 33064 62431 51227 58144 98169 04236 82949 36811  
24489 64347 43937 33250 10983 52186 29407 39156 69123 65125  
01301 14594 26061 48080 04971 65212 79456 11398 77382 76983  
39904 86735 45250 00642 21892 25611 36554 03021 69236 70324  
53877 27476 25925 51919 82988 30565 88306 94895 35126 87201  
99571 33336 46402 81438 72445 68151 82779 25095 51051 20131  
24047 71392 47866 58469 25243 15809 16713 09482 78951 01316  
47723 75174 26917 70208 95215 16368 94415 29695 74415 80062  
45811 23456 87961 75722 84749 26329 68139 30178 47410 04348  
45770 75828 62269 07285 81697 51830 74795 85902 21813 22968  
60535 51111 61548 45874 75006 17193 30789 37321 13849 96302  
35116 24229 81664 36432 14358 80115 92990 20005 04341 77652  
53833 65313 12819 12022 97212 97976 45486 74765 71141 84593  
43038 82803 02486 45805 15192 92324 85145 90927 82630 52217  
65984 41362 62780 76746 26952 34957 60389 42157 86835 28517  
48811 36881 71078 40645 52966 20057 23105 02099 69884 68032  
55577 05862 87798 13539 65043 74103 89695 07237 58396 84221  
52291 56307 64579 21159 76341 19782 30001 48168 09247 65301  
21058 13232 45874 16983 82239 33308 18544 49092 23233 23594  
12107 05205 33461 64003 65066 47533 47514 20029 42664 27369  
00000

**20082/18207/16141 kHz, 09-11/10-11, 0600/0610/0620 UTC**

11166 40122 76580 05028 03159  
28393 02608 48244 91378 17379 01866 36016 86766 72571 47121  
98896 34858 34873 34950 55087 78288 50641 38032 47453 03727  
89920 65056 86807 77029 15940 76979 76927 87074 98077 20561  
25997 21740 85456 65124 74170 24435 83382 53481 91920 04642  
99795 02948 28896 00903 53934 17403 17936 19674 64386 96310  
63956 98506 58732 51660 72391 66979 71945 68752 96861 03819  
25762 71764 10778 13653 06186 80050 32553 71828 81330 66086  
59120 10731 26779 51025 87431 46053 50651 98781 28636 66433  
35566 94590 44625 34913 39682 18974 61622 75654 24017 53061  
40516 44340 98210 76185 08613 05709 01945 41710 82512 66653  
64188 42012 36773 38322 07464 98566 98074 25668 89319 38058  
69549 67869 98199 40476 14983 78070 45893 70111 57564 55874  
23754 25404 72868 71029 14875 68576 80771 41743 79411 20989  
65979 56065 55236 35154 81849 09766 41105 79349 17210 59169  
54544 95767 30848 12351 81621 18135 83369 07167 60799 59746  
21095 49521 68067 07837 91709 10338 95516 85253 96333 04654  
40575 65336 07697 01283 48063 50966 09131 36477 72271 53712  
34033 30039 51247 34006 10520 27306 10478 88297 40932 15450  
38149 94116 70901 87539 99180 48981 27643 52781 80212 64094  
32189 16401 82738 98762 15222 77585 06576 46470 91212 18930  
90842 08559 70554 85825 04659 16435 14362 79225 04727 88256  
61635 10234 02003 31023 83485 89937 04633 24020 44084 52937  
29351 44541 73044 38007 98516 21842 78921 74318 64987 30246  
58503 46665 32012 57351 81596 38136 60323 08276 55984 73665  
79639 31866 02254 12892 46731 79829 93162 65784 17271 34699  
37260 29446 23632 67596 11416 69559 75835 11711 71979 94886  
27829 62437 99223 98281 76284 40118 54792 62643 84099 76312  
56812 55241 45800 09544 02374 58861 37021 01459 92058 13213  
15258 09326 36212 65010 64069 75826 47634 50203 97935 22068  
50387 56757 69941 54752 59404 41445 49478 23448 10589 99081  
62154 88892 46080 07632 09103 88270 84395 97641 07870 08401  
30112 19417 22066 28313 00000



11166 40122 14670 05029 02329  
43369 83174 52951 91462 36479 70459 42892 32880 22724 00493  
02246 51245 00971 15926 60837 53580 70758 11588 53531 92795  
64586 64705 15074 60654 06484 96468 31668 64428 89026 25887  
53987 10676 86001 01854 01291 44595 42906 24389 11345 18376  
12464 90967 15834 86995 27344 28885 45943 54889 27286 99600  
97807 21946 82794 85984 12509 02246 82609 98414 50316 14000  
77135 60661 63845 64112 95008 61492 99836 75810 75003 82936  
84232 32783 80453 41147 70239 38252 88380 00804 54073 12427  
70520 48977 88059 76781 08429 39414 45794 98572 09856 43165  
19027 94062 18579 66499 50992 13858 34881 22039 35833 58828  
88861 64057 38837 00016 33761 23874 17157 00999 51499 06280  
45711 66121 87606 32947 77939 63050 57736 43731 96116 93080  
92944 91841 30904 07631 15931 93778 54821 94374 65421 20005  
79335 81427 10884 37272 10254 33050 24766 38547 41097 35283  
04432 21473 89156 94964 61004 01302 03907 00566 17279 69237  
02480 18276 81914 32128 11863 21783 92080 94440 22536 79183  
41743 68463 83213 45452 37788 23661 91391 33924 51162 11132  
59381 65213 55224 24105 60519 17011 68483 80398 85239 23201  
43926 37795 61697 95728 72114 78268 20631 67659 90229 21989  
09154 80871 14275 57051 83146 66808 36602 95867 32969 93738  
55955 94155 22144 78961 32232 93461 43724 89377 83127 73152  
24023 78894 64866 22829 28394 36071 04205 71072 48750 40462  
73889 31489 77503 51085 28756 51967 97629 75463 44666 78100  
29230 00000

**20082/18207/16141 kHz, 16-11, 0600/0610/0620 UTC**

11166 40122 26591 16025 00049 00000 00000 00000 00000

**20082/18207/16141 kHz, 23-11/24-11, 0600/0610/0620 UTC**

11166 40122 26893 19030 03189  
57416 48360 99439 55696 61623 41162 46798 31801 51490 01178  
20098 63520 31795 89276 83617 46933 31353 66608 03434 89057  
43421 65348 44897 13988 50177 79858 72166 79303 98470 14184  
29471 01154 19030 46846 08811 11484 06316 98854 33760 95817  
01205 15878 14078 85049 43694 00509 50800 99676 87810 55577  
96519 69911 95917 24419 00513 80108 54603 39068 93431 10944  
79336 12290 91226 77789 00078 34401 22998 88716 45044 60812  
12457 70558 64796 01235 67691 36491 63848 46472 58921 93536  
31983 93764 88922 13465 92469 56595 85820 15494 09352 69905  
72934 34259 21014 26663 95355 71464 92198 06715 07957 54665  
01675 83859 54507 51618 07733 22080 92598 13634 58699 96879  
44052 46373 40665 02644 75502 31519 79597 31983 38845 47766  
40045 37983 26238 64568 87602 15299 19335 07068 07344 61041  
37452 15667 95383 01381 14342 48651 65791 94808 58268 01330  
40004 48009 75077 40107 10964 05248 58934 74941 99134 97249  
80425 18614 42617 60476 26719 06253 88514 62756 73455 73553  
77775 96197 93065 17119 40661 23325 29204 85375 45063 87377  
91983 73490 64829 22700 53694 20722 60297 26175 49702 33663  
88227 75625 14210 83786 83315 06125 05568 52759 78473 80155  
00821 23935 56069 12561 64188 43481 47309 36205 19152 99573  
21954 19304 78839 93093 35556 70353 14411 98265 26399 91584  
66106 36673 79334 66902 26662 13096 98701 95225 51783 86594  
57516 05180 77344 75291 15114 12073 48025 18278 20442 03094  
87051 43088 43178 61671 61744 12178 99876 66934 24550 46845  
67312 29199 34256 52027 00226 47436 87056 90415 95646 99644  
12181 79327 70991 02075 11757 08762 48110 98236 49594 04094  
60487 63626 18587 81823 25766 37123 41417 71843 50797 14970  
84245 04633 61395 68303 88074 86841 73985 70143 47479 13684  
51337 42805 91387 91590 09561 61648 45597 69550 68571 76117  
81722 02576 63185 34003 82248 95748 57057 19865 76391 02254  
26634 43549 26445 73862 07316 39743 69299 87295 19010 64505  
42832 94899 13269 99696 51841 73080 30316 00000

**20082/18207/16141 kHz, 30-11, 0600/0610/0620 UTC**

11166 40122 96325 26031 03029  
79067 28333 14724 93400 77448 61308 75088 23340 21161 17028  
74930 06024 38177 51252 47521 55147 08674 98330 06971 28046  
28279 56207 16992 88280 14782 88705 46096 00365 75485 31043  
38904 05046 77388 09505 58250 48601 87393 11205 77779 64564  
74711 64900 29721 31341 92674 18762 37522 54134 82117 26063  
88036 44627 63537 74715 22948 96854 10208 21589 54117 82703  
19437 17554 32553 15485 24158 34185 25669 55003 12038 28059  
82542 52569 44298 03593 91836 59395 91422 60354 62098 46799  
27953 35774 79098 11673 53553 79217 19910 65631 32528 18334  
28417 31299 68986 03630 81937 94156 59841 42205 03639 83396  
92825 56583 00448 80215 81713 29579 31137 76990 55941 21135  
34275 35766 46804 68077 70718 19501 37426 02710 60354 94501  
68691 51193 17763 27486 18309 97657 16490 25716 95217 24961  
36629 93630 16512 68057 75380 04423 59066 40891 25297 09993  
03065 22771 49889 37722 09604 15149 11274 47494 99567 04749  
29574 47417 25963 93983 78733 91661 56895 84584 48453 08881  
11378 25407 26922 34619 15164 60318 84036 46175 68774 37128  
59802 23333 44939 63492 87590 83416 57601 20725 06954 64098  
69700 71457 45670 52393 31916 22082 75721 83287 69547 25924  
72884 56432 59727 38064 34614 44339 66161 57769 35926 90519  
23571 19449 27950 21001 89022 18092 08843 17662 02356 80107  
21760 26819 22863 15517 59558 01508 34441 12431 80931 00887  
36380 59747 67650 95214 61980 09013 77611 49829 92199 11374  
73370 86564 56499 90576 30851 46051 38086 37925 57919 99331  
25740 40158 77505 82227 79402 76173 54967 50901 01738 43533  
74380 82043 32820 00693 93433 66132 10167 35897 31636 67189  
61282 98659 71504 47482 20918 54795 77430 80602 90213 50908  
61908 01365 79938 99302 53817 65956 04983 19236 48438 20776  
22319 95454 43898 03407 29608 39959 93728 24155 66627 67923  
30220 01585 86727 23715 38275 50505 90493 17951 84421 45831  
31300 00000

11166 40122 74185 26032 02979  
38801 61521 30709 10759 87449 07529 88133 02699 10576 37073  
89322 95396 05012 49823 85126 80687 92796 45305 94839 38312  
64016 05861 64708 47239 27166 17193 14440 36930 59211 87455  
76375 01981 72556 50807 57034 28577 41084 66386 75707 06213  
52469 48620 59786 23091 78952 89830 01520 68657 83749 61057  
05886 91696 05301 02042 84258 87442 86540 36307 73572 12117  
41364 72279 85650 48354 75500 76371 16410 69943 03963 28988  
35859 05397 68756 98141 04009 33144 28340 29481 73811 77669  
78422 66688 41366 60845 10281 50687 09031 58109 94334 74769  
24186 86027 86735 61266 81377 06760 20423 60593 36276 91601  
91593 27344 04888 10796 77518 53120 46460 41806 46642 60784  
53516 13231 46907 89836 97447 26548 83242 27579 03128 22884  
20137 65778 50946 86983 70264 87501 29740 05583 55067 13809  
89029 22356 48262 65005 64015 56633 38180 16132 71759 78082  
69905 51371 02003 54524 53129 47077 51046 15089 46661 38104  
72131 95887 55547 47116 40771 60395 01718 81584 58450 11718  
54103 28137 43151 38955 29170 98965 80124 64821 97799 09969  
31357 86734 59448 95321 27171 28537 69535 88155 88378 45057  
30993 22046 52457 46691 85906 32978 02146 36183 68193 66500  
19940 74810 03259 19729 16891 20145 65556 72913 09160 02584  
29998 90233 40770 32840 78146 94527 75979 57573 45139 45627  
09728 05360 18259 76999 69579 90172 23115 70374 07616 64577  
58350 73047 05700 39819 64828 87546 42560 14987 40221 88349  
96129 82457 34958 45341 79575 01786 90442 58693 34453 59247  
05513 34860 29436 55210 42038 58372 38039 86524 05637 39126  
93790 16124 62411 39837 46283 47015 77665 13365 66533 42853  
87526 04590 75103 62290 39424 96520 91412 99272 62340 05337  
27676 46486 52792 54035 75908 24139 87476 79385 61434 41254  
98500 51868 61342 81679 72161 13292 11308 31981 57188 61771  
49247 93429 93399 38759 69212 32295 00000

Link 60070

**9277/8078/7412 kHz, 01-11, 0030/0040/0050 UTC**

11166 60070 34689 01001 00049 00000 00000 00000 00000

**9277/8078/7412 kHz, 08-11, 0030/0040/0050 UTC**

11166 60070 85214 08001 00049 00000 00000 00000 00000

**9277/8078/7412 kHz, 15-11, 0030/0040/0050 UTC**

60070 45623 15001 00049 00000 00000 00000 00000 00000

**9277/8078/7412 kHz, 22-11, 0030/0040/0050 UTC**

11166 60070 75319 22001 00049 00000 00000 00000 00000

**9277/8078/7412 kHz, 29-11, 0030/0040/0050 UTC**

11166 60070 54879 29075 00049 00000 00000 00000 00000

Link 70059

**8174/7316/5929 kHz, 07-01, 0500/0510/0520 UTC**

11166 70059 54879 07075 00049 00000 00000 00000 00000

**8174/7316/5929 kHz, 21-01, 0500/0510/0520 UTC**

11166 70059 21208 21021 00049 00000 00000 00000 00000

Link 70202

**12177/10156/8138 kHz, 01-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 01-11, 1200/1210/1220 UTC**

11166 70202 32514 31047 02099

26829 74228 11171 43076 01002 19763 69899 80587 50769 94015  
40018 84326 29633 61344 02560 30725 51075 20784 85781 01473  
00570 59826 02804 15468 14086 40718 51848 73757 21542 11466  
40012 22153 78635 58734 16515 61212 35489 44829 26348 58265  
15549 95943 20289 41187 03178 33872 82180 78586 63377 68358  
59448 76119 42072 92280 07769 43592 20401 46857 85841 12560  
21449 49053 61191 09100 92860 98391 12946 11446 13764 05337  
42523 47171 99454 08452 28168 09622 02270 72514 84269 98256  
32085 84774 11404 12618 44885 91543 48041 54593 72839 42305  
59839 18668 94308 33535 27487 74856 67243 69407 19007 73988  
74387 81595 57474 30057 53747 75326 20088 59296 12737 93909  
29516 80689 49469 18897 23472 07587 29602 48079 13450 85128  
92189 18506 68555 53154 82980 66705 85372 39282 38589 43305  
29803 11866 69986 24228 61815 47486 18744 85667 79044 92688  
84468 35008 40173 24652 46868 14902 54037 40457 30878 22668  
45390 29670 88303 12215 33267 09901 94385 70672 82882 30052  
82764 86915 17001 70916 67245 54169 97719 97834 23828 73885  
14596 45090 31418 53073 40059 36724 94677 12281 38051 73473  
97432 46399 36819 40498 60093 05499 01813 15606 99507 87854  
69612 82650 14698 62387 28831 79787 46915 62668 58927 37292  
87443 19705 62862 84601 31600 25680 54550 47207 00000

11166 70202 48251 31048 01739

79177 27858 64493 39355 24638 93753 16926 66179 31585 40188  
45379 78817 91458 47082 38108 36777 67980 38990 22543 75531  
05091 43489 51005 03825 57234 61392 45497 96394 96702 22206  
68768 18036 77720 23289 13834 39951 61944 76132 29139 34329  
35090 08209 21559 58072 69348 93828 04412 61634 11295 12431  
82682 83883 99976 57758 92641 18945 44858 46349 38048 65948  
18322 98777 90110 97624 42402 92094 43424 08694 74452 06883  
45033 29961 21419 17399 38839 19093 37415 98197 92520 63970  
84292 45713 99164 59594 59877 38216 70789 44452 23577 82575  
65954 07300 74032 21297 18627 00294 58515 98226 60527 19397

18743 06405 54096 38025 02815 66475 78308 04836 97941 09102  
34501 41626 63670 59823 64408 02261 70279 49791 97594 78575  
72039 00823 70463 64189 70023 58206 84042 12162 44160 69700  
92720 47441 59206 34157 41132 20032 74333 68220 91372 09821  
11023 64519 07735 19003 58937 39806 91146 13043 24481 96476  
80514 96108 51707 45902 63136 31915 70296 67015 61392 45912  
50255 98593 87890 69766 68047 88664 86254 14055 13845 49477  
99747 48171 00000

**12177/10156/8138 kHz, 02-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 02-11, 1200/1210/1220 UTC**

11166 70202 74692 01049 02759  
46091 60817 15532 47185 84163 29139 12076 30265 29781 50413  
94841 78324 02462 81882 23267 29640 74028 59870 40067 78330  
92786 89464 63442 54140 76178 76502 90706 59342 89069 87761  
43036 11218 49869 50325 06014 63532 31672 26035 45661 05453  
50610 21985 04651 61351 58592 22985 08377 39916 82627 56937  
35582 06022 77926 29057 33215 73789 86943 85880 80223 44276  
21581 94995 29951 36230 10713 51433 85842 83350 80233 46650  
90131 96489 57812 61061 30208 14229 19544 66026 92344 90280  
20676 46262 17483 91133 77613 78593 38744 02397 93375 27992  
05379 67267 43697 46839 22822 05573 65963 88346 63551 86804  
18165 70074 28433 55608 00057 48489 63248 33137 53713 90486  
60070 42734 85668 52832 98209 33362 77821 05444 04383 99226  
79300 59465 36815 19027 96470 86053 22955 63276 23276 36836  
05484 43121 79097 01961 76325 99106 46323 66679 03320 53317  
24808 52409 79265 73337 45416 53198 48013 21464 09839 03544  
87296 87606 48858 38491 52988 29328 16267 31961 14469 67435  
60615 24232 35799 10588 41973 74521 82380 07342 85908 99603  
57784 49073 91849 84398 00456 72215 38042 75473 94957 33258  
50262 93385 77463 54928 26497 24822 40163 67005 34763 80449  
64294 90204 26261 29429 36467 36556 31049 46535 27982 24737  
28418 32797 41815 33772 09172 95622 56977 43555 71981 99331  
24920 35628 21006 22030 97673 52643 56982 79775 92419 39958  
78948 03967 22175 17802 38805 82884 47271 57439 15891 03341  
27327 59775 03772 53355 78396 59842 26421 71811 64981 05607  
25980 56012 81588 84518 89291 63096 03530 96265 05388 66229  
11652 95145 71125 51524 20668 50510 87149 66615 65804 98713  
11380 56839 27424 85002 62202 49940 98328 18777 88555 75256  
23431 90681 49100 49273 00000

**12177/10156/8138 kHz, 03-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 03-11, 1200/1210/1220 UTC**

11166 70202 12568 02050 01639  
33690 29081 31274 38378 29322 59820 09481 60071 31602 42941  
96867 21841 94224 72866 70313 06889 02213 94809 31347 75179  
91983 48835 45204 52470 65254 83155 26072 50304 57740 41361  
91969 34141 48571 53253 37689 81823 21368 83989 99243 99561  
12923 21208 08254 87626 10403 04830 59718 72936 83040 29231  
41594 50723 59222 72452 99637 02474 84931 32162 35929 82324  
24476 73033 64537 89100 89433 15241 72736 66185 06765 18758  
61240 96416 62017 43135 61868 84182 78570 87465 56095 41914  
18847 40207 42919 23159 18437 93551 29473 69430 89076 02044  
42843 63004 51397 90112 86503 02867 83412 38227 89822 45991  
95654 02346 24073 81140 68914 46357 83381 27364 15513 92196  
54062 74403 50049 17326 20758 07172 80554 54261 82842 81500  
55998 71842 79515 43355 31072 42929 47015 08680 34209 28204  
56414 46084 49746 30785 05404 29551 50203 01321 62528 53341  
39577 98258 87297 26303 93628 32987 74610 87758 08063 54518  
96942 12159 90565 53410 42711 94703 57628 89623 74284 35091  
22082 50161 00000

11166 70202 85147 02051 01859  
61611 61476 98192 77628 23643 70664 79412 60824 28507 56509  
01708 64904 48159 32181 72897 13806 01483 63073 49803 15927  
26916 98678 41388 98585 48537 71754 48332 24623 52784 50710  
68709 39559 18024 56151 24472 22764 64121 77527 88422 41062  
14234 50807 16363 28215 85985 83134 14102 38733 54233 35388  
94017 49421 52597 98591 00856 07135 05949 25112 11458 46152  
11048 00572 38097 23619 07504 67431 90121 46494 06263 36162  
73575 88441 67802 44959 33509 20094 47213 53923 68641 01136  
48370 84652 73080 07647 54372 41189 84774 93123 26436 73238  
45402 06643 88432 67625 01357 16584 39266 78896 00551 13357  
60260 35033 64694 89573 09758 79187 41757 21093 22112 33401  
68291 97389 53266 95230 96305 74672 40093 03215 64375 50191  
65698 32139 17683 81179 47866 04008 06669 96860 92841 25693  
18979 76953 81618 89166 24412 95127 80955 95275 37529 50830  
96266 86987 27638 37932 08606 03047 30819 23631 62919 87978  
43697 36041 99748 19377 03631 83911 47590 38417 85025 56917  
18070 94525 66438 79948 71156 40152 48175 19839 42566 36571  
25062 67983 50572 56660 44082 47261 24387 95588 01562 16718  
21326 25350 59592 51183 00000

**12177/10156/8138 kHz, 04-11, 0700/0710/0720 UTC**

11166 70202 97642 04027 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 07-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 07-11, 1200/1210/1220 UTC**

11166 70202 25463 03052 02479  
39592 75861 56892 51904 58414 83977 80683 52829 02458 49231  
71881 32201 09896 07581 10748 68659 35527 16011 72113 60937  
70939 97073 66870 29097 19450 57372 53101 63916 11775 09645  
65271 66602 73356 53153 34924 46025 79292 92063 01324 65665  
57790 96499 35469 57444 28107 35957 25927 44647 83888 39771  
99923 41109 57860 64327 78120 18861 28807 71684 86522 61421  
56769 49328 73952 44913 57404 25712 08531 14210 51441 61291  
51594 46282 50172 19734 32494 17942 62919 48994 72711 20163  
37410 26933 32727 86181 68994 51186 80079 25545 39659 77946  
02056 81306 72752 39365 11449 52555 14381 94258 18812 49462  
77387 91793 69666 73037 08887 52856 70073 36776 67249 98778  
49037 72392 19517 82122 31154 86818 95150 99193 17948 62663  
57072 88987 01351 19314 75923 48248 57729 76870 18491 17325  
95932 90100 86221 16518 57773 44599 64781 37602 94385 32343  
70576 20212 66905 48832 05198 67777 44900 78991 53700 82700  
00994 64039 87675 25450 25117 66493 59043 27284 06825 75512  
95504 11257 59119 19756 33595 01224 82213 79949 50265 23521  
90673 18352 78943 31006 52376 67292 21003 04151 12723 43989  
88576 08873 02543 83813 39659 15790 53127 09212 91434 10592  
66827 76447 22754 50211 16658 67369 01723 44482 73344 18384  
99312 67972 83240 03824 74956 31685 45574 15897 45045 69305  
62441 08409 70273 17689 59985 96434 22778 96271 04217 29145  
18985 15102 59893 77954 29133 66160 65902 07199 99379 77678  
25587 19509 47456 36130 35453 93091 17782 05587 00689 53080  
06999 99117 10939 44163 95850 52245 00000

**12177/10156/8138 kHz, 08-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 08-11, 1200/1210/1220 UTC**

11166 70202 15937 07053 01739  
78718 88153 77059 23221 52168 62419 40402 84689 06611 86843  
07065 58177 62336 43901 69565 82035 64877 05178 80440 66975  
82904 64596 37107 14107 67160 76807 92589 62369 56353 30460  
40582 07540 40978 11000 48246 60023 20970 32732 35216 33581  
18151 44787 22220 82224 29402 40713 97774 27424 31483 26365  
76385 42846 73464 25781 46679 88794 17688 29739 32928 13551  
15195 16671 18376 63787 26575 00629 03833 71259 24154 85994

99949 07951 36472 33609 76628 26859 20983 68017 17996 30623  
75911 80513 56380 35162 27210 07678 83734 20521 51553 90081  
63929 86119 21301 40863 94375 52571 82371 78853 90387 77281  
00967 05934 90743 75998 40078 33327 07878 67507 51717 86494  
71134 83662 95806 43346 36528 11929 21667 85419 61442 62642  
73041 66756 67712 78157 02588 30124 41520 26075 06793 25301  
43543 43748 17216 09091 27799 26237 09034 31769 92613 74909  
12803 39639 12159 48882 40376 48393 21991 86464 60926 66954  
57037 88829 87997 76501 65454 83061 63537 94353 46806 06799  
49827 77409 87994 81635 65272 44818 95382 67492 24969 24578  
46548 53171 00000

11166 70202 24685 07054 01979  
30459 03420 50566 73536 27148 26824 97373 06417 35278 33662  
00308 53765 80222 23534 96011 67031 35424 19577 54836 46287  
17817 64360 54053 75034 05628 27591 10148 50421 33208 99080  
37383 44812 42623 65395 24819 59635 96654 93642 48977 57457  
82921 70815 64340 83219 63799 72152 38864 10569 51832 56926  
26705 74223 15314 15120 95334 74314 43739 13419 49242 63632  
27799 13951 17403 53728 33623 64222 96704 00794 75934 81685  
68519 57269 19835 81364 30605 00105 65873 19995 11530 71626  
98119 55094 59799 93933 99895 42421 24885 42770 66889 20244  
72325 91805 72302 53869 00105 63261 63747 38853 48487 45828  
96565 86350 20489 65801 33260 39028 55193 22376 63727 90974  
21075 23041 25982 10066 21539 80012 32049 86190 29850 53632  
28729 53815 95644 53679 47906 62280 90213 34533 26100 92301  
82741 45117 97940 42099 64689 19566 93254 31586 64508 19552  
92456 98068 19880 64216 19930 81886 99654 08621 80071 25423  
92687 56692 65720 33946 05760 19554 93612 71691 37765 55227  
46597 91646 22356 50601 27264 22453 56233 31635 52686 60881  
55267 12716 44969 43315 05640 21115 97283 94665 02193 57481  
20075 78169 91169 78305 97137 94508 59544 11293 06235 03674  
38108 39588 83966 68028 10531 54195 00000

**12177/10156/8138 kHz, 09-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 09-11, 1200/1210/1220 UTC**

11166 70202 42871 08055 02419  
26486 50389 64188 08420 49931 05080 72911 68140 27781 84205  
86188 64062 61625 57313 34731 39667 93457 32298 22638 13563  
81916 05347 20865 65607 26664 51610 64318 41106 83107 67528  
07242 46507 34630 00756 16595 35038 14534 28622 08105 05724  
94878 71067 54686 64224 84399 48982 21905 18916 02692 23902  
10188 10674 22861 79983 08453 99781 99812 34200 88850 58402  
26369 85704 97314 42059 84414 40284 19596 38552 83245 70854  
27466 17761 02309 99918 34797 30756 80529 14952 18182 31671  
19405 52611 81798 20759 92054 12757 71193 32085 75420 88168  
65688 14280 47790 20949 04079 77801 18847 21502 23325 07134  
84423 11060 14919 61367 23155 73679 28610 11596 77201 28647  
78190 88566 84258 59234 29008 39020 53009 58731 71916 14165  
99227 79715 13326 38707 84711 97468 36065 33899 26242 23497  
10730 93016 66737 30086 62198 32723 25811 71827 21024 68742  
71912 15058 14367 89296 83228 11140 76171 24724 89551 74536  
81264 36731 12286 51601 33069 75713 44789 91032 59620 79576  
40232 51922 97568 12498 99167 10343 68853 67069 73987 50407  
79751 78258 32472 50733 96964 22619 47600 02263 80453 01197  
05819 18363 77691 29558 50960 23150 09037 83394 05987 28972  
98902 73123 39760 38991 32413 45934 71009 35803 42245 38710  
26704 42022 55317 30268 97003 63785 54047 66353 53972 53097  
31833 55828 26262 49964 47466 61479 46928 90247 08161 33904  
16586 90180 35880 61891 49080 43481 96648 37749 91869 91999  
97545 61012 38296 55840 81059 28957 73941 33890 71491 55239  
00000

**12177/10156/8138 kHz, 10-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 10-11, 1200/1210/1220 UTC**

11166 70202 93254 09056 01859

22927 78237 71204 05260 82307 29747 44677 66596 30619 38321  
17050 48148 97675 74286 21287 96362 98793 04636 19374 31299  
59937 62475 68327 70429 05449 29469 51140 77141 69332 35949  
96117 51136 15989 08402 33021 02913 81381 18990 59467 79515  
70532 16829 16021 33742 72314 45675 93413 54000 77464 77736  
20335 96986 10751 18278 05219 90391 13245 60720 30476 97814  
35626 96912 22609 63063 28459 12265 46634 76047 40377 20438  
98267 27428 60123 17263 92295 44240 63366 58599 70578 23644  
50244 91790 78114 07020 84565 95432 80616 61577 70615 07129  
22023 61671 28483 43911 45391 87014 53878 45040 25604 79971  
73344 91840 87335 29122 30826 84288 06705 71279 66521 79012  
20054 29157 73955 18417 88305 26866 46213 05600 90309 50429  
47274 04766 43640 45505 69374 71806 76268 69509 62353 44750  
97555 40309 45896 48764 41991 48696 40636 95383 84135 26811  
79033 80682 48176 89717 81985 12047 60565 92303 12088 18249  
19149 68702 39498 22516 77248 46425 81335 83271 66109 52383  
00552 32235 04176 52995 75207 64583 66617 95560 74110 60838  
13542 43098 99717 45189 00342 19816 84283 09923 18610 09424  
50146 60661 41048 56183 00000

11166 70202 93158 09057 01659

98184 95371 08993 19165 23534 53863 77661 30967 61854 27075  
77051 21029 10052 19133 00809 97693 85409 69271 84149 07236  
45244 68823 82541 96005 41408 52520 21964 30498 64355 37552  
87940 11260 56441 08808 45529 41582 99144 73761 07457 36925  
03910 35407 92579 85987 61283 56710 41874 99387 28044 14996  
84128 06873 57005 69714 68523 89002 99180 92027 06310 54242  
33004 29644 88738 97403 00284 05348 73461 00371 53583 72659  
56568 61051 44719 77058 72460 61483 09052 96208 88741 11044  
25277 57635 88312 25688 55375 57266 55872 29167 94446 27300  
10984 87151 85073 26826 54925 10204 75939 53631 23489 86533  
29367 00644 62924 30483 07463 05436 71224 57661 91577 66231  
71914 22689 14741 22863 12562 80464 11779 26095 05172 56915  
16793 43774 50673 40150 62689 77229 14665 27967 62449 86360  
46625 92636 76823 46862 59765 48917 98135 88006 13713 36228  
04894 84440 67212 50913 66884 00411 93042 89550 05451 09879  
72317 89227 38618 40950 10373 75727 65790 18050 41428 55565  
71666 00301 14197 57163 00000

**12177/10156/8138 kHz, 11-11, 0700/0710/0720 UTC**

11166 70202 13458 11005 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 14-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 14-11, 1200/1210/1220 UTC**

11166 70202 42891 11058 02779

29896 14764 18420 70121 04958 31806 09477 40489 61409 83128  
41388 26427 72524 93371 03727 82714 21734 02417 84552 67879  
67878 10403 89226 07045 03139 86120 76123 39229 33327 87216  
51425 60066 35228 65659 90186 95875 70681 56893 75851 70009  
62088 76121 75421 47427 59031 70150 92449 68432 50692 98252  
65059 07501 03765 40453 01167 18150 30538 56706 68095 49777  
16843 45384 78783 47411 64555 74525 41747 70307 28326 84262  
67007 90332 51251 83892 45166 56066 29143 92005 41803 33573  
58108 93118 74402 59758 45115 09253 63980 69269 86233 09887  
78610 80869 42235 08730 11030 54211 66255 20744 57513 52975  
63182 77863 90208 75273 85476 26840 40112 37293 95102 57653  
32878 21093 46265 35927 44648 22491 68628 37785 70087 60001  
55711 10593 19813 30734 88152 08001 89409 24205 46518 72760  
67209 29998 93353 65713 73030 00211 29156 64425 45062 52619  
51967 79875 17079 25510 75258 64653 53179 20100 83811 11097

32220 91504 32269 62814 99162 74164 16057 88010 25485 52691  
69344 88081 45872 14060 69754 39889 63360 42085 54495 95171  
40129 40118 77605 85515 16122 92905 62995 06337 22686 03551  
32987 78296 83422 66501 17019 09606 19430 62514 70223 07633  
01128 86532 56547 13278 13850 44407 76113 56531 29400 79400  
41511 56663 00743 14425 32698 15479 22036 20925 85196 77078  
21175 50370 91289 52556 77052 89276 18884 33084 78698 23703  
77740 39804 68522 24156 87753 83980 36805 86845 28971 35842  
59661 92222 78033 25549 97640 66739 60738 24734 97160 58774  
75393 82041 61965 64647 66665 11110 86777 65678 54598 54429  
70364 62209 48506 71525 50167 15549 00404 24886 25712 33749  
77679 62086 62971 62180 59703 17538 96875 64823 88033 82311  
74152 07223 24933 15453 03685 58275 00000

**12177/10156/8138 kHz, 15-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 15-11, 1200/1210/1220 UTC**

11166 70202 96581 14059 01799  
75453 91119 14443 78385 71696 15922 98868 14997 89164 85382  
07062 11895 10632 64227 91928 54969 47360 92820 50579 81222  
16557 93215 48327 67480 28702 24515 89258 52021 39414 60992  
00577 25045 45572 91403 22910 48934 30345 62923 23748 94228  
86849 18153 76228 02273 75095 98627 70431 10449 91931 13271  
49381 00952 58658 95221 86950 59033 56008 95479 49838 51661  
61175 86809 10821 62521 66583 76328 05463 44305 85082 50228  
49463 74222 71252 99061 58845 23672 13513 97034 40159 78014  
76721 33737 42892 67372 99941 21754 91270 94407 79083 28592  
37655 70012 89085 06365 04692 92840 25341 17660 08427 33628  
69050 81047 79565 10239 06179 84641 25066 64362 54730 41175  
97244 75819 79988 83015 62594 75395 02457 20554 87497 42147  
28141 12413 83021 96123 55897 20913 75976 22434 41511 51226  
98440 87593 23202 97654 12922 34101 38248 45484 15358 64173  
85403 01838 83128 48576 12805 53966 60282 21492 36063 78425  
97151 47355 16205 49566 86557 70609 52174 20776 63773 84298  
67570 76915 62454 78454 96306 81383 43708 54196 96891 66246  
40498 14501 50003 38872 84566 67563 19055 59177 00000

11166 70202 54872 14060 01899  
57784 93818 05241 54389 64139 77089 08672 54864 22848 51051  
74216 29526 72183 84382 06868 86336 41857 50230 70284 08199  
44519 77445 11727 21444 36884 49970 27734 67908 98926 96549  
81443 35335 04573 37970 07522 25739 82343 83999 65622 66470  
89371 97223 28323 93626 47232 65967 14464 62520 13033 53479  
03841 64887 84192 15580 94185 57514 60350 03950 86357 31988  
10837 97253 08710 80238 21154 27279 16542 35573 16898 92283  
27590 93884 88551 74743 79498 44731 65604 05674 20188 66949  
13420 42723 67081 68525 51294 54228 96108 75379 15148 26406  
46439 98764 13281 35884 51874 35974 48629 54749 34828 84025  
05972 80299 23859 71031 27504 06695 80660 34927 25238 80687  
47467 04249 03650 08624 50812 60654 91024 06904 22561 87866  
02926 13076 24177 36731 86227 99780 85140 61072 17163 58699  
91471 04044 51800 46716 85277 39646 52408 11472 61289 99115  
38131 38505 71289 36858 33417 87156 72405 15627 12651 07432  
80172 15620 64392 55012 12332 97194 23707 46597 34280 71880  
45979 22760 42122 61387 20680 10515 44255 49277 48507 02785  
27426 55008 30346 96937 18204 85029 41480 59606 75792 40609  
89498 09951 77133 87093 79323 38582 80227 60187 00000



**12177/10156/8138 kHz, 16-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 16-11, 1200/1210/1220 UTC**

11166 70202 75194 15061 02879  
29860 72380 33088 64371 20703 32695 23278 48934 64208 16879  
93395 25123 71096 70791 09052 77509 21822 59672 86253 10225  
32511 16565 27308 95236 40134 86944 37693 25425 11609 92968  
41057 58374 06510 65793 34568 61826 48088 19398 51767 96728  
82269 64347 25139 98821 29335 84932 65575 44697 57963 28133  
00912 13267 36322 77826 40749 78579 39897 12694 59719 94919  
20753 71253 16399 60132 67899 72457 50060 68110 13465 65298  
22434 86370 64352 05850 96685 19676 64076 85195 70779 45623  
14460 56665 07432 33140 11883 35828 27832 79839 77771 71681  
61311 29143 88008 12462 68174 53143 30961 14530 77842 12117  
48804 67746 09535 26636 41841 35809 67640 23221 40492 34949  
28998 39455 74646 99455 64250 99519 95070 07452 60467 96071  
26549 65358 37234 39409 57456 74492 73373 59854 95436 28227  
86507 74302 43888 13157 32636 52866 78933 12708 17924 46554  
31570 36621 39878 61923 04676 24755 00113 93641 79574 98642  
55880 50899 91832 59240 02562 38598 80988 54304 04299 79277  
43884 63830 14958 86686 46312 77005 56620 26961 72637 59093  
47768 28334 18107 31703 98377 25320 53508 14874 14080 48308  
16895 04408 76607 94502 12038 82906 92683 41150 18308 87920  
28565 86987 41671 85683 72410 32851 61483 23830 91678 37386  
52775 61573 77717 08784 88713 00751 94766 18501 52920 66187  
75525 47881 16347 08818 30498 03630 58392 29995 63300 63068  
36933 50428 09099 35119 36979 72192 38394 47939 52622 07233  
93316 99166 81981 70820 48629 29687 39814 63379 14631 06883  
17498 89132 24133 28287 45057 85004 70713 81587 34937 58208  
90423 21920 12194 55973 04141 52371 60801 15824 62750 18658  
40762 69876 62352 53894 55703 01569 21672 34393 75644 78269  
38864 32446 44641 08210 69900 77011 27963 95162 95727 58247  
78524 89313 70380 36832 27231 61285 00000

**12177/10156/8138 kHz, 17-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 17-11, 1200/1210/1220 UTC**

11166 70202 18432 16062 01579  
56696 50141 38172 13157 41159 66222 40055 93135 09786 32610  
86217 84823 21350 99694 86214 98967 19399 09303 44649 10994  
18155 92971 96343 55636 69381 75029 65441 41183 27394 66378  
78119 31801 54398 59955 83605 71349 33351 63779 63176 47152  
80524 32535 31840 17135 74974 83636 62376 48782 47076 08689  
86429 43355 93344 16312 52337 43794 09700 67235 44391 49748  
60383 87624 93201 88178 24706 71567 31874 12959 88813 08652  
77662 31923 74659 97585 43809 84786 23373 31785 11237 20386  
75209 67875 14804 46675 13270 13037 23788 51908 63178 92137  
21297 20455 65900 80592 12300 91681 65898 13871 14949 35335  
81804 09617 14899 41869 51797 63294 87296 51147 70880 03309  
16133 67968 62233 16536 65649 37836 49842 80203 83484 81431  
24580 61053 40238 11202 20935 67729 35156 78529 46566 67322  
22612 24892 31890 02015 39082 35473 91857 66760 35289 18646  
17142 33937 43213 59777 36896 35908 32654 22783 20286 41432  
37031 97877 08982 86859 53106 62155 00000

11166 70202 64328 16063 01639  
21300 30951 55252 34072 25127 42044 44235 15226 55354 31773  
67403 11395 76402 30919 96993 50437 35944 94703 68469 81417  
13060 62355 72087 01207 95015 59739 59805 57753 37345 18492  
34704 65941 86907 10097 15113 96991 72633 18340 90639 27331  
93625 98580 12273 57875 59318 97274 83757 39655 61366 30195  
46432 66731 81966 42774 74701 22334 68289 01018 24344 89152  
27714 86417 00850 59736 23545 93312 39947 07922 75914 52122  
17538 07233 97539 26900 31206 07198 19038 60638 20507 03502  
83469 66770 18196 62941 14820 90291 49622 89083 90084 86955

22438 39597 69660 93972 73835 31181 65719 90642 67487 93020  
53267 72381 57386 54723 53559 86543 60764 79660 44563 03519  
07276 79661 78170 21508 56647 71986 08826 28430 01967 64528  
63271 69398 00804 80170 06092 93195 01352 56241 80752 76197  
55776 80012 30804 47171 37958 46158 30957 61385 07820 47129  
82707 97484 89415 32379 54196 75547 54988 97371 68999 19776  
32162 88306 73528 14249 76469 33514 37731 25187 76404 37443  
68781 63161 00000

**12177/10156/8138 kHz, 18-11, 0700/0710/0720 UTC**

11166 70202 65214 18053 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 21-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 21-11, 1200/1210/1220 UTC**

11166 70202 79365 18064 02739  
90355 46006 93866 16110 41462 61091 59543 58144 31897 74634  
34395 69533 81825 25814 81079 72434 21344 36670 42597 20779  
89816 27535 13151 23364 95072 31766 05606 49852 87154 83244  
82701 55618 26306 75059 44231 86378 49885 12821 87361 48553  
67887 11041 82287 56275 41778 06020 30404 91006 26304 83668  
97186 34686 78981 45719 36963 62348 66959 62738 51772 05158  
25914 87410 51487 19786 50699 26499 07402 25074 22413 94941  
16454 91920 01582 00518 18288 97329 42140 32507 32332 78550  
05905 52802 07082 48264 82222 12893 98787 56727 42476 45165  
21709 11840 84152 01965 37151 93056 44136 40838 73454 20074  
85939 79415 94124 62258 90536 68346 56301 99714 05506 55753  
26742 71968 32158 41618 47514 75171 55335 45547 68583 93791  
45586 36357 89477 77698 88372 96912 77231 00612 20035 22657  
52777 60820 75168 77264 62987 10140 75120 53870 80543 22013  
12284 15297 98828 34723 09884 11724 14029 30632 61933 99235  
11620 37398 83063 07689 99449 62097 22888 31326 54576 94197  
24621 40593 76071 38316 32616 38573 60970 62700 78513 10494  
45542 74367 00694 39738 79096 56842 76716 88791 22481 31430  
73439 68577 88482 27964 44496 44597 66311 75960 29824 53336  
97346 52122 36937 27351 94349 45127 08614 52491 21312 23640  
06711 05688 76140 18486 66767 46741 43364 54914 03103 62555  
09042 95910 69088 87249 55067 82468 02284 46583 75059 81776  
09122 00139 79018 79256 68834 79694 78937 75381 61302 47228  
72565 73220 48518 20981 67491 67636 64351 43031 12762 72093  
92302 86811 30192 43986 35930 27994 62580 94454 11640 27207  
81004 93594 18532 97989 18377 07033 64980 58452 21474 24771  
56636 90056 38595 68263 75553 51966 85060 86651 05103 24398  
53731 64271 00000

**12177/10156/8138 kHz, 22-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 22-11, 1200/1210/1220 UTC**

11166 70202 36985 21065 01739  
61175 16224 64449 85940 97482 11983 75195 03636 26775 67506  
23019 18291 00297 49144 65327 20239 61195 05033 79785 57743  
25472 63598 25591 87116 51316 73956 14216 70192 45246 30393  
00569 73863 78510 48118 30492 51344 12182 82470 05554 09870  
54377 08769 51061 94497 98041 04999 98227 42721 12741 04518  
16445 89562 88896 10962 56588 27846 57891 92554 91291 53334  
36501 97991 63135 49413 69074 61101 76681 91018 65905 86455  
95293 72482 61235 33130 28681 89002 39323 38794 22097 26402  
02013 51320 83147 38882 76250 60103 07118 19455 84976 44270  
86785 92731 29833 79973 17642 84762 59125 73958 34450 49627  
19480 15576 40105 57428 14624 64455 12701 73423 19735 15995  
01769 82936 24798 11882 49607 41774 05393 87815 98649 56804  
44376 75623 70804 26408 52864 01963 29702 95476 63982 50789  
61795 04649 97795 81782 37242 38475 20877 21921 36509 02191  
48934 72380 53636 81797 65947 97959 12102 67123 58245 91207  
54220 42568 86956 28450 90013 75202 47284 59894 16490 54930

88028 01005 43274 66374 89805 17339 85520 97200 25392 20018  
10053 65171 00000

11166 70202 54782 21066 01859  
25544 21249 37242 72066 82999 59355 62672 77498 20610 94856  
53516 78784 64208 07977 41146 59023 35521 13473 04994 18573  
27330 05213 39170 26900 56471 89905 64891 03431 61847 45932  
68382 25847 39656 68217 68962 89258 33005 85065 46994 64695  
18110 57910 86384 30350 54269 99913 11316 74013 89787 74347  
21915 90138 41045 58701 58525 19971 86903 85441 49285 08184  
45629 95381 20695 74455 26518 64576 75854 23421 73426 90693  
70067 41443 42372 49793 38500 53644 80411 59460 55571 39612  
97973 09216 30773 31255 51835 44151 70603 41209 80932 12731  
61295 95254 62188 14682 52044 67172 78548 09923 43403 39482  
16412 74469 10540 38493 34644 14244 16052 17110 72359 72738  
92016 83833 87655 93454 95962 01385 44505 23076 70460 03398  
89962 66293 61015 02619 88906 28234 71939 89044 08479 05415  
64907 41435 69418 11186 29875 00656 06487 46563 83043 78256  
05148 52430 71566 98756 06721 04006 89685 99049 99166 33548  
35967 33379 35709 92210 66355 57315 48477 87001 22702 89178  
49354 53776 41479 72333 35218 52197 72347 86806 39770 93613  
61286 83653 99126 37782 77950 40521 23371 19373 91959 61835  
91249 90203 27803 66183 00000

**12177/10156/8138 kHz, 23-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 23-11, 1200/1210/1220 UTC**

11166 70202 12587 22067 02739  
34215 33682 71481 62048 43929 29676 20493 11985 16376 97412  
45195 58071 22081 14306 31559 99662 80351 64559 13953 50369  
43105 02073 08436 98281 64737 43530 96936 20590 43964 21345  
10738 94780 48565 51160 86722 73609 58989 93585 94812 16023  
91731 14862 60025 91235 88438 76132 27611 98127 81676 06024  
44685 67173 73295 36213 56804 37063 86319 04661 42918 23234  
76328 56224 37147 20475 13230 95307 10801 06798 69394 70254  
13100 40777 75063 94170 94016 69521 26992 31853 57691 89486  
61240 07527 19845 27303 26070 13061 67639 32810 15873 21371  
45409 01489 52075 34676 14717 68475 21947 22314 62161 41338  
11264 27784 53369 63824 91752 49731 56629 27734 49254 26526  
84579 75143 63560 79161 27408 58138 75830 92126 75988 48253  
04557 36958 58400 12812 95996 68162 38260 00342 20016 46180  
48310 02268 47282 67090 57699 83051 68737 03748 96386 95985  
43299 88019 85119 26814 84719 88837 44412 32373 23542 65731  
80959 66439 05094 02534 74945 09974 09448 50958 16650 47948  
04301 38720 65819 59933 66694 21903 32230 16659 34523 86237  
00875 99704 73761 27014 50218 86526 72361 62274 36958 68011  
96731 59010 45725 90723 71768 77020 27163 41060 70346 60150  
72823 13478 23226 29562 00320 29999 85308 58759 47164 03162  
19174 35031 96740 59630 81841 37003 84842 66623 25692 83005  
60211 28372 49488 29909 97518 44775 60428 27155 86230 49464  
33172 55638 43781 69430 76779 06143 26506 73437 45495 77015  
36766 01385 54320 95768 49695 91815 85299 94294 08024 49758  
95480 92374 58395 22084 62464 69187 27636 72578 28483 27486  
62390 73896 28968 80136 80583 58614 16512 13715 08137 96534  
16188 08835 99363 90465 73151 21907 64511 07625 78458 58005  
52854 67271 00000

**12177/10156/8138 kHz, 24-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 24-11, 1200/1210/1220 UTC**

11166 70202 64852 23068 01759  
92926 23552 94341 53609 86643 10698 27472 29214 29185 19717  
22771 99994 70805 47945 72265 27810 04467 53532 08380 58158  
49527 67619 33570 12087 30055 79658 15681 06723 96205 38068  
59958 59095 62112 33402 93666 52956 58706 56233 24231 73265

24924 46926 56863 38046 85728 79489 82591 82294 90386 46710  
72636 73618 09429 38728 40078 64305 13754 32265 54742 09512  
84281 32690 22244 06238 25627 36089 63135 32805 82200 03559  
53083 93500 80198 64881 10022 98087 43902 93790 39216 30869  
59740 22002 72167 88982 86528 84202 60313 94631 35352 11184  
09445 10921 67506 13309 65781 15994 83947 21494 89648 15165  
04674 77905 77686 95718 61500 93541 19539 54081 52639 14907  
99938 50033 32536 66943 82154 67666 35403 64432 33717 87769  
55872 09030 80364 01318 35223 14141 99154 18770 26611 24809  
86671 54856 37734 24818 63265 93530 74384 48179 99268 62802  
33312 37211 74122 74102 17844 14384 04345 05899 74692 60117  
01291 36237 75399 13729 44635 53884 90837 39714 82506 02789  
32220 26540 94230 39514 57054 10153 76602 08360 63467 39376  
39630 63837 21359 68173 00000

11166 70202 14639 23069 01839  
90908 99240 81159 27050 37897 23746 59207 33473 43799 86530  
61291 93572 37127 39512 68749 97803 63994 57373 50573 44032  
53245 56963 29172 10103 98087 99222 58739 89409 52671 65813  
77143 94133 67042 27641 17308 55851 08912 47462 88984 78182  
45685 83757 66886 21193 85175 88070 46100 22206 98449 12979  
50724 82736 73242 72907 06661 76229 71367 24953 14517 56272  
88579 61926 83527 69999 40309 34777 12464 06349 21711 46609  
28439 33875 15478 85461 19572 07800 45831 88045 22433 50984  
02152 51635 50208 38518 80672 36273 72530 40614 17675 24514  
82905 03478 12627 30862 14668 72866 64701 78107 91419 90005  
71108 82748 22870 14553 60685 16678 82030 54308 61171 37327  
24686 06343 23623 03457 37099 39245 52380 18779 22865 71163  
14049 70599 64870 23347 23922 55663 23286 53847 33273 10402  
55530 01097 65977 87752 69142 92030 77876 47757 43508 94447  
37338 54114 81364 18301 50450 93869 76033 95597 79270 62451  
05306 93599 26591 81213 87937 41015 85635 39689 63667 71864  
78141 79743 82712 16710 29256 63804 15680 95932 52684 94360  
19813 94756 44532 76920 22535 24687 09280 43615 08210 01071  
66311 69181 00000

**12177/10156/8138 kHz, 25-11, 0700/0710/0720 UTC**

11166 70202 65214 25051 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 28-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 28-11, 1200/1210/1220 UTC**

11166 70202 45617 25070 02379  
43636 33533 92094 59981 48374 27940 02768 31832 26525 45492  
86131 34777 12411 33357 30835 51102 87653 25608 12001 55220  
93334 47731 32525 13931 00048 10688 12135 25452 71816 74216  
22634 89414 84784 84053 92784 24987 86637 12775 31247 79348  
07676 58937 41024 93671 59495 84201 23856 18812 82194 93137  
97981 97897 26060 85392 77727 57999 78656 34909 88338 78062  
73274 75877 14517 25311 39648 00119 06070 77278 82913 95582  
89139 71687 01709 80637 56433 51335 81387 13862 34886 96195  
23257 83994 54216 59911 95795 09767 64787 52865 18774 04270  
78227 39032 16232 83570 29237 38772 99230 24248 82033 54784  
64338 99543 29852 63377 18767 48814 60958 38275 68112 59973  
89596 99112 27625 69602 75321 01843 42959 10439 79144 13214  
31325 60895 29931 36521 78996 76336 99496 80811 56096 06770  
09825 90741 34610 30652 20853 79260 20558 59499 72264 30307  
36260 92981 77721 63731 13646 29199 94976 79590 84530 59810  
20296 24044 78797 04726 80645 44004 66439 66028 22061 22754  
04375 05827 17654 13706 73991 77714 43671 14489 20349 66537  
97076 48563 28981 16148 53058 46533 01230 49830 85922 44361  
14052 13093 01805 40663 75241 93511 56627 80267 09994 97311  
57758 56238 39756 87372 72793 47539 39304 12348 93901 34530  
82973 81587 31184 59485 15992 65543 33464 24313 11848 26358

59964 42677 01628 08311 51295 88696 86269 42817 73197 09412  
67654 47664 31479 93215 59494 25176 81579 11421 63936 88985  
81199 75163 24825 74118 59437 70235 00000

**12177/10156/8138 kHz, 29-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 29-11, 1200/1210/1220 UTC**

11166 70202 25846 28071 01699  
87727 55148 57271 77955 81670 76336 28304 97155 90711 51109  
71770 71394 90874 18932 56753 79851 21877 72504 92331 70829  
14759 89663 55847 46832 36019 47805 33767 12631 46694 13014  
36080 91001 99805 21088 70172 35835 24640 92644 85102 97285  
71267 49497 22234 18670 13760 24486 33147 69782 35539 81957  
50778 46328 45285 91070 24712 90157 96855 19130 56580 09988  
11639 37119 96488 07298 26792 54629 86417 37091 17794 26377  
61539 58204 68753 97479 45374 52861 88900 79700 99733 20144  
98720 75827 15395 73082 34144 94392 54420 94045 42243 21903  
80091 28118 66870 44788 35363 19152 47676 38231 55798 18186  
80944 64092 27915 18913 15677 45092 28873 99884 83374 07462  
08453 78141 84946 09230 99253 03962 83178 96344 66053 51404  
74220 53817 30265 84341 36497 44067 30427 02673 80513 49665  
04670 98394 47964 62664 06092 76225 33608 87683 86976 18467  
28323 50971 12808 98792 06800 32591 91991 74647 08295 63957  
32255 12953 83889 57877 59626 28793 08693 63311 60964 41785  
82420 62015 35950 79805 66792 49277 69494 71167 00000

11166 70202 97468 28072 01939  
34536 11011 84639 49907 91096 42422 06516 92269 12249 17044  
34772 63480 88954 58802 09615 42483 80452 61523 63343 81560  
77143 97110 29957 98153 78417 98420 28309 34353 08856 34042  
04724 13750 21253 17144 46030 50342 59893 15608 98936 89178  
82517 55611 56700 83427 64416 35850 99008 37560 33095 94600  
96028 71332 06934 96797 12551 84255 36303 33323 73167 25246  
70541 49681 74426 97133 99265 46266 54891 50725 41421 17392  
59054 48100 80530 21280 56028 99840 69575 98194 98966 05867  
53932 78908 36140 54577 85825 50687 09612 59977 28713 72979  
02450 41481 75052 60009 20408 76080 25889 72439 19023 77558  
05687 85309 12050 82451 10866 24437 22196 47425 15452 88450  
60062 87770 82308 98664 42258 11703 53358 43971 84604 30140  
17258 12938 31378 46669 77942 30299 06526 57362 72495 40035  
97787 15156 11762 02212 09671 38460 42163 95784 46206 68697  
52134 44544 09431 06454 71629 08397 24526 80928 38133 07156  
27555 32380 27608 69052 76737 12234 73828 21133 73195 30569  
24522 63738 02111 05644 07777 96258 30223 95166 07125 86334  
20626 13988 68768 99716 50772 67908 89362 32946 44651 58288  
57813 16058 55052 37142 49498 77493 56874 17411 96387 88406  
37399 72191 00000

**12177/10156/8138 kHz, 30-11, 0700/0710/0720 UTC**

**10231/8082/6869 kHz, 30-11, 1200/1210/1220 UTC**

11166 70202 75214 29073 02179  
62730 13690 82661 43527 78596 86180 03005 95125 88250 03995  
95926 59769 15431 78757 59286 00350 17646 88234 07949 96458  
94085 09594 08897 63634 00650 88329 94544 63738 20550 85001  
65230 61126 63909 67004 16792 04303 94812 37543 54187 37759  
09224 18995 77083 73668 12231 32868 48354 78139 68036 43511  
81430 51697 21145 57799 07432 08704 12177 97948 08020 85375  
36748 89670 24917 31115 20856 32847 82015 62828 11204 46907  
81029 86910 03905 08104 56615 18603 60007 20868 01898 53398  
81267 90435 00356 70183 44613 88928 24980 70809 18744 32084  
90665 85770 11292 08815 70751 00693 19984 30784 13671 83300  
86252 94194 20629 15567 74723 70967 70251 60723 27012 71507  
01154 19817 63284 46230 88342 57519 30006 18056 74419 01842  
17312 63040 41491 47480 94459 81338 34753 17454 36768 25696

73660 62728 42507 79635 11644 04527 63171 02545 30286 48990  
 95554 83845 78921 28897 09096 73433 95575 52120 06900 80571  
 70190 61506 43904 58430 36072 35874 50596 16459 00504 86805  
 35747 27777 50449 30934 66576 23776 94296 42401 49803 93104  
 25572 15180 62011 27254 19565 89951 02769 79893 98800 25214  
 68935 32176 28297 17321 73604 81182 26544 99132 58107 93703  
 03147 71970 70523 92531 59062 50552 09130 67471 10373 25613  
 54235 28233 21529 73880 36819 41420 59010 70108 17438 18772  
 01326 80841 73816 48880 66304 73215 00000

## F06a – FSK 200/1000

### Regular schedules

5116/4814/3727 kHz, 03-11/04-11, 0500/0515/0530 UTC	File 44452
5116/4814/3727 kHz, 10-11/11-11, 0500/0515/0530 UTC	File 04453
5116/4814/3727 kHz, 17-11/18-11, 0500/0515/0530 UTC	File 44454
5116/4814/3727 kHz, 24-11/25-11, 0500/0515/0530 UTC	File 44455

12143/10184/8147 kHz, 05-11/06-11, 1500/1515/1530 UTC	File 44444
12143/10184/8147 kHz, 12-11/13-11, 1500/1515/1530 UTC	File 04445
12143/10184/8147 kHz, 19-11/20-11, 1500/1515/1530 UTC	File 04446
12143/10184/8147 kHz, 26-11/27-11, 1500/1515/1530 UTC	File 04447

### Training schedules, see also F06 id 00000

11122/9067/6791 kHz, 10-11, 1600/1610/1620 UTC	File 44421 (1573 bytes) binary contents
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## F02

Mode: MFSK-4/150Bd/4000Hz

16312 kHz, 01-11, 0730 UTC. QSX 18449 kHz  
 18449 kHz, 01-11, 0730 UTC. QSX 16312 kHz

15626 kHz, 01-11, 0830 UTC. QSX 16166 kHz  
 16166 kHz, 01-11, 0830 UTC. QSX 15626 kHz

12173 kHz, 07-11, 0830 UTC. QSX 13856 kHz  
 13856 kHz, 07-11, 0830 UTC. QSX 12173 kHz

17475 kHz, 08-11, 0730 UTC. QSX 16274 kHz  
 16274 kHz, 08-11, 0730 UTC. QSX 17475 kHz

15626 kHz, 08-11, 0830 UTC. QSX 16166 kHz  
 16166 kHz, 08-11, 0830 UTC. QSX 15626 kHz

12173 kHz, 14-11, 0830 UTC. QSX 13856 kHz  
 13856 kHz, 14-11, 0830 UTC. QSX 12173 kHz

15626 kHz, 15-11, 0830 UTC. QSX 16166 kHz  
 16166 kHz, 15-11, 0830 UTC. QSX 15626 kHz

16312 kHz, 15-11, 0700 UTC. QSX 18453 kHz  
 18453 kHz, 15-11, 0700 UTC. QSX 16312 kHz

12173 kHz, 21-11, 0830 UTC. QSX 13856 kHz  
 13856 kHz, 21-11, 0830 UTC. QSX 12173 kHz

16334 kHz, 22-11, 0700 UTC. QSX 18449 kHz  
 18449 kHz, 22-11, 0700 UTC. QSX 16334 kHz

15626 kHz, 22-11, 0830 UTC. QSX 16166 kHz

16166 kHz, 22-11, 0830 UTC. QSX 15626 kHz

12173 kHz, 28-11, 0830 UTC. QSX 13856 kHz

13856 kHz, 28-11, 0830 UTC. QSX 12173 kHz

16312 kHz, 29-11, 0700 UTC. QSX 18449 kHz

18449 kHz, 29-11, 0700 UTC. QSX 16334 kHz

15626 kHz, 29-11, 0830 UTC. QSX 16166 kHz

16166 kHz, 29-11, 0830 UTC. QSX 15626 kHz

## ***HM01 - Dirección General de Inteligencia***

**The groups and files of October 11<sup>th</sup> were repeated from 1 to 7 November.**

Groups: 33852 73622 11271 50084 03638 14241

Files: 84763385.TXT 72847362.TXT 24351127.TXT 50475008.F1C 61410363.TXT 46331424.TXT

Callsign: QWERTY01

**11435 kHz, 08-11, 1600 UTC. Radio Habana Cuba till 1624z. HM01 at 1625z. Repeat of 23 June 2021**

Groups: 33181 11747 11183 82285 71264 87747

Files: 10323318.TXT 50721174.F1C 30161118.TXT 36048228.F1G 01667126.TXT 36858774.F1G

**9155 kHz, 09-11, 1000 UTC**

Groups: 33371 27818 00761 02071 24463 03885

Files: 65553337.TXT 65442781.TXT 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT

Callsign: QWERTY01

**11530 kHz, 09-11, 1645 UTC, i.p. Wrong freq. Should be on 11435 kHz**

Groups: 33372 54841 00762 02072 24464 03886

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT

Callsign: QWERTY01

**11530 kHz, 10-11, 1711 UTC, i.p.**

Groups: 33373 54841 00763 02072 24465 03887

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT

Callsign: QWERTY01

**11435 kHz, 11-11, 1615 UTC, i.p.**

Groups: 33374 54842 00764 02074 24466 02421

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT

Callsign: QWERTY01

**11435 kHz, 12-11, 1607 UTC, i.p.**

Groups: 33375 54843 00765 02075 24467 02421

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT

Callsign: QWERTY01

**11435 kHz, 13-11, 1600 UTC**

Groups: 33376 54844 00766 02076 24468 02422

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT

Callsign: QWERTY01

**11435 kHz, 14-11, 1621 UTC, i.p.**

Groups: 33377 54845 00767 02077 24469 02423

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT

Callsign: QWERTY01

**11530 kHz, 15-11, 1704 UTC, i.p.**

Groups: 33378 54846 00767 02078 68881 02424

Files: 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 67536888.TXT 25510242.TXT

Callsign: QWERTY01

**11530 kHz, 16-11, 1700 UTC**

Groups: 68771 54847 24061 82471 68881 02425  
Files: 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT  
Callsign: QWERTY01

**11435 kHz, 17-11, 1643 UTC, i.p.**

Groups: 68771 54848 24061 82471 68882 02426  
Files: 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT  
Callsign: QWERTY01

**11435 kHz, 18-11, 1645 UTC, i.p.**

Groups: 68772 54849 24062 82472 68883 02427  
Files: 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT  
Callsign: QWERTY01

**11435 kHz, 19-11, 1640 UTC, i.p.**

Groups: 68773 85421 24063 82473 68884 02428  
Files: 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT  
Callsign: QWERTY01

**11435 kHz, 20-11, 1612 UTC, i.p.**

Groups: 68774 85421 24064 82474 68885 02429  
Files: 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT  
Callsign: QWERTY01

**11530 kHz, 20-11, 1713 UTC, 1712z today's groups and one minute later a repeat of yesterday.**

Groups: 68773 85421 24063 82473 68884 02428 (repeat of 19 Nov)

**11530 kHz, 21-11, 1700 UTC**

Groups: 68775 85422 24065 82475 68886 85361  
Files: 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT  
Callsign: QWERTY01

**11435 kHz, 22-11, 1615 UTC, i.p.**

Groups: 68776 85423 24066 82476 68887 85361  
Files: 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT  
Callsign: QWERTY01

**11435 kHz, 23-11, 1618 i.p.**

Groups: 68777 85424 24067 82477 68888 85362  
Files: 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT  
Callsign: QWERTY01

**11530 kHz, 24-11, 1745 UTC, i.p.**

Groups: 51651 85425 78461 82478 68889 85363  
Files: 36385165.F1G 87348542.TXT 50317846.TXT 41418247.TXT 67536888.TXT 75088536.TXT  
Callsign: QWERTY01

**11530 kHz, 25-11, 1703 UTC, i.p. Repeat of 24 Nov.****11435 kHz, 26-11, 1605 UTC. Late start Briefly Radio Habana Cuba**

Groups: 51652 85427 78462 04021 00411 85365  
Files: 36385165.F1G 87348542.TXT 50317846.TXT 01450402.TXT 28100041.TXT 75088536.TXT  
Callsign: QWERTY01

**27 November: no transmissions between 1600 and 1900 UTC**

**27-30 November: Repeats of 26 November**



13875/13375/10875 kHz, 1310/1330/1350 UTC

**13875/13375/10875 kHz, 02-11/04-11, 1310/1330/1350 UTC**

838 838 838 1 838 838 838 1 838 838 838 1  
00951 00128 54639 88954 45531 18268 40592 26989 35100 82188  
54459 17775 38044 38312 98159 75953 41898 57117 30522 96783  
01904 78386 05263 21817 16467 37173 24441 94514 25670 86156  
97880 59275 60606 11054 86599 20108 34229 81691 64185 70829  
65544 59193 50305 80343 79701 83285 95488 22570 02298 11950  
99091 67904 68912 19051 46770 70436 07327 66025 22543 74479  
13396 64562 42373 56214 24188 97032 76756 52513 30347 83863  
73789 13907 22383 04438 02587 17653 60312 12643 04309 87107  
05927 38327 79087 09852 09991 90136 27512 31641 55171 54312  
22060 22455 37834 64392 72044 06140 51882 31210 06520 39359  
41459 07245 07754 78640 40511 15793 05610 73032 02686 22631  
68826 21807 52315 27290 55943 36521 24917 85717 97086 66108  
52747 35328 87122 63710 82565 51883 94280 28901 67558 74325  
25271

**13875/13375/10875 kHz, 09-11/11-11/16-11/18-11, 1310/1330/1350 UTC**

**16-11, 1350 UTC: Also heard on 17925 kHz LSB. Spur??**

838 838 838 1 838 838 838 1 838 838 838 1  
00323 00108 85348 66889 40446 31447 35297 66900 34864 25460  
19201 69240 03256 19586 00639 40736 74406 40643 98643 11610  
54461 21236 78767 59740 60808 20820 59619 61083 51122 60765  
70683 27554 47384 73592 39747 15478 29644 14249 15033 72588  
15149 21527 59611 59678 02490 25571 19928 86511 43572 13923  
39083 03702 25415 32606 57628 89878 70575 45445 62052 17187  
99386 68286 87266 93952 73102 24362 03303 48820 35103 52147  
22504 12831 08714 40524 91092 14817 40917 96438 08290 21965  
48929 14851 73789 02193 13277 86338 62867 27257 47232 14416  
03169 78127 02193 15024 30841 30170 46477 50581 65787 89949  
46472 90720 84891 80656 71787 21343 83119 75212 59826 17111  
63576

**13875/13375/10875 kHz, 23-11/25-11/30-11, 1310/1330/1350 UTC**

838 838 838 1 838 838 838 1 838 838 838 1  
00129 00094 39036 60506 10746 33621 39225 42419 77936 46375  
48235 35907 56844 54284 17714 90906 42867 57949 15034 33414  
50961 91988 60178 39238 36992 69441 30001 06503 37884 05705  
01090 76176 48711 53166 64669 58226 45737 15328 80876 47486  
93110 11602 51951 31569 76730 61047 15824 76277 87505 54966  
27974 20348 57410 73703 00767 25655 85957 32289 29856 72081  
86763 64859 46985 29079 99115 53561 80404 50438 30529 63549  
96153 78171 98815 21819 06007 32545 61659 46460 48430 99721  
53041 31696 62264 86596 65038 76116 72747 37617 63654 28551  
19241 99721 37344 09417 26451 45316 51577

## XPA2

10653/9353/8153 kHz, 1100/1120/1140 UTC

### 10653/9353/8153 kHz, 01-11/04-11/08-11, 1100/1120/1140 UTC

00960 00188 94411 68209 67691 17224 16980 03909 62888 77112  
46139 91470 52939 86706 42216 92003 02610 91977 35347 69920  
50141 43577 52501 90884 54074 05970 74467 94576 10631 72761  
15117 48727 76679 44834 65757 16629 00686 52858 27192 47016  
09340 05714 26166 72098 50755 42327 95329 10419 75790 13958  
54614 07579 52213 53224 12450 51639 71094 26280 14928 52613  
12848 47224 98259 52891 53340 28431 52906 48890 56502 41669  
49006 91324 77030 59917 89985 41107 04844 37003 82522 55165  
21989 87753 71401 08325 29596 68734 08964 41796 97931 97379  
12115 37104 09620 80305 35189 42310 97899 15554 93099 41171  
55877 85470 16667 04008 16259 32757 74484 63731 34799 17720  
00222 32816 58905 44364 70136 30902 19529 55363 81806 25544  
82299 94010 75303 74745 01870 14019 99556 64318 12226 57671  
97307 53673 10951 46164 83784 92215 47519 97126 10936 24281  
64861 29178 68079 11468 82554 85583 75436 56838 06046 83907  
06217 12801 10165 32920 93978 38432 93701 03906 61405 17124  
47398 77660 73582 06143 16313 77492 99743 51656 45954 11327  
61191 64596 03283 57860 11570 15375 90864 48509 44915 01447  
41751 50934 00772 35369 90432 24999 62964 03979 02892 87392  
22252

### 10653/9353/8153 kHz, 15-11, 1100/1120/1140 UTC

06917 00001 00000 41257

### 10653/9353/8153 kHz, 18-11, 1100/1120/1140 UTC

06134 00001 00000 33661

### 10653/9353/8153 kHz, 22-11/25-11/29-11, 1100/1120/1140 UTC

#### 25-11, 1100 UTC: off after 30 secs

05827 00165 99976 75741 12797 63476 44507 41131 60513 48002  
40679 06617 27818 18649 40760 66953 99606 73767 64515 49726  
77772 93326 05881 61836 46606 10065 66588 66161 92025 89358  
60933 30264 39939 78502 77630 71174 10917 21399 71196 89907  
21629 93784 75806 46716 27511 18844 65138 24020 08894 40500  
34648 14285 84482 24473 51554 55915 26618 13848 27411 42816  
16417 32173 45521 98339 75082 68003 74643 59126 52636 40692  
26271 72977 53771 84898 68085 77559 37236 37201 22673 68598  
04449 23716 38645 41822 29314 74282 21168 71251 30377 79585  
51742 65888 94151 62442 41483 00035 41461 27832 55120 20428  
19091 78284 69284 58050 46320 48100 25027 70189 59571 69136  
67887 41054 17279 40382 61203 50563 28363 19430 66158 53307  
04060 57529 98193 60083 86334 97045 46758 40182 03694 41473  
67465 20180 07429 90279 61032 15658 67906 62156 67366 93946  
65252 21843 89901 23406 28674 77389 33214 07320 60586 75452  
90599 39886 21493 58604 88438 02032 72719 52687 40578 29241  
76923 62895 46606 93450 48253 02737 89653 76327

14783/13883/12183 kHz, 1200/1220/1240 UTC

### 14783/13883/12183 kHz, 01-11/06-11, 1200/1220/1240 UTC

00969 00166 59782 18000 92196 81290 19945 67799 68495 91012  
76920 60541 98100 83975 07372 46642 81942 50971 17915 58280  
00309 89332 41024 52591 39433 74375 14255 38792 54737 16669  
75497 70313 00040 24428 91593 39082 93700 19050 53846 20272  
35170 50058 51579 99138 57849 60177 93357 04590 96039 30311  
44032 80185 27300 98265 33877 81112 06242 51189 97915 90587  
32610 82953 20875 02153 59963 82547 25102 36172 18094 14499

38998 73453 18955 38054 11273 30981 77790 20410 35210 99226  
97896 93539 47950 75452 19478 11770 02025 62322 70080 27686  
52809 96349 65283 08530 04323 31509 20712 83727 09173 80026  
25733 00082 76196 14560 23122 54497 48999 31079 90007 54708  
61278 80129 01303 33184 47323 21037 67474 29024 45826 91128  
59306 64005 00730 56539 70122 75689 64370 40636 13421 16136  
76531 87272 29111 92712 23463 55789 61376 28276 31228 67376  
69500 99316 71616 64301 25358 47813 41194 07545 13497 24811  
63071 35753 57985 19901 49337 26339 29211 99303 55760 76247  
72982 67692 10597 08051 61276 01844 72954 85482 06071

**14783/13883/12183 kHz, 08-11/13-11, 1200/1220/1240 UTC**

06591 00228 72003 44639 43656 44264 12494 86474 02170 27403  
03408 19853 81000 87000 35355 29104 46828 50100 51989 29620  
57820 23421 96561 67406 58058 20198 77846 07877 10386 34756  
67541 78825 93390 56178 63887 27838 32745 69335 85765 32824  
91381 00875 73359 25812 99216 15007 79411 95939 31079 73028  
79586 67995 08376 05892 38058 92091 43479 26117 67779 11633  
75446 44869 35192 27336 23031 86659 60424 77832 95753 97038  
39567 63383 43796 35357 04164 84120 74982 45524 33771 53064  
63751 72186 21699 00303 07189 47293 81418 71726 94270 17926  
04084 69511 20148 38709 77399 61660 14058 06389 50005 24104  
98190 86342 83201 31820 39942 39032 14773 06743 44631 27836  
61249 80388 41135 41527 75655 39142 76833 52551 11640 65890  
53585 75307 33594 64921 84889 03837 38914 63412 22113 82327  
42816 87088 25723 66311 22729 92148 74999 56590 40047 64217  
47320 31799 76867 21049 54813 79331 81770 36731 55839 95004  
95873 14016 08100 66724 47002 23149 49159 67195 41547 35954  
14852 36356 60943 37308 47104 55521 83987 86584 21911 53369  
31667 14411 87873 04245 54731 62769 32427 94343 19914 09322  
93786 02200 72369 60176 88589 10495 79501 56070 74457 16809  
31436 43200 51395 25063 00308 54868 78467 83643 33335 22187  
48585 90045 36058 13460 45541 77900 91632 00830 06918 49414  
37080 03396 40951 14381 98798 03902 69990 81520 70734 23462  
25163 29853 24627 45701 34162 87284 14401 26985 31630 11506  
43765

**14783/13883/12183 kHz, 15-11/20-11, 1200/1220/1240 UTC**

00448 00164 59838 07592 71503 33133 47174 22782 41788 45617  
79727 60031 95607 01037 15458 36471 50444 38611 36891 12275  
46701 99107 16740 61041 41859 32046 90671 00893 93385 48966  
53375 03488 26271 39549 03636 56920 69213 87426 14288 66437  
60214 40930 48869 92334 61990 78489 39443 35771 24133 23402  
53116 83091 17827 69195 04203 13568 87400 44127 63475 93032  
50645 19444 03948 10200 91355 76805 94320 12117 71648 08386  
05042 23676 22814 30138 53088 33421 73986 43930 40019 31705  
60214 10149 42498 46895 87270 37925 93525 07424 62756 52027  
48592 92544 77645 61057 83178 29684 79855 84510 31611 44419  
65763 03951 76756 74717 38341 72157 02402 52484 87708 34282  
98917 71105 02262 32460 24355 14706 97592 27436 50721 90785  
15367 29131 51844 03849 42366 83837 65600 52492 00035 02254  
97843 64915 58145 11340 65252 55389 88158 48140 67756 53207  
29437 99357 67022 35174 40602 57778 42843 03209 76477 88800  
98167 05223 91834 19163 84591 79763 11832 31393 66676 48371  
14873 81323 95538 99138 52067 30209 64750

**14783/13883/12183 kHz, 22-11, 1200/1220/1240 UTC**

04364 00001 00000 34662

**14783/13883/12183 kHz, 29-11, 1200/1220/1240 UTC**

08319 00262 53630 55253 81520 09974 20957 37711 93165 20201  
76489 66860 95521 08840 38963 73204 54912 84807 86722 79223  
43906 65754 70529 21846 35542 58350 23321 26244 20036 79080

58263 46665 05810 52984 46759 22915 31185 73847 13387 32240  
85493 64150 58357 02446 39167 96346 52481 56416 06367 62546  
58167 04581 38117 31981 83675 90052 36134 41522 72779 06325  
64775 13071 36159 28292 01370 64371 02199 13238 69749 21369  
49753 77915 50877 22662 82038 03513 45194 91228 30180 05658  
94584 79949 94540 18101 07390 29605 28419 54259 51614 59409  
25439 52027 13567 03148 63507 98916 35955 56586 20179 46368  
88649 56328 25627 62593 85827 76066 23331 75921 49639 73905  
45671 03454 46733 74374 84278 86672 88847 88996 92333 23157  
80353 91587 38559 88325 11701 33583 03051 47196 39432 27063  
14760 19773 05588 29401 58207 27740 76195 26416 43820 35586  
78914 57005 67058 07684 15245 92368 37770 73834 84127 42388  
88317 54676 91004 70560 31826 36966 82970 37516 50057 49318  
78335 32956 36870 25467 31285 98972 22535 51912 27196 37894  
95778 42758 40631 19731 04742 45441 21992 53096 84953 12481  
54744 53838 12296 47388 58416 53552 65530 07613 85704 85409  
78094 49046 44732 98023 47800 87395 25367 47084 68122 76130  
27843 30831 45280 21298 42512 53055 08748 21886 73340 40585  
36132 94468 01605 97636 99245 74081 12199 83483 02393 56455  
89040 08579 07809 38842 94382 90464 95391 06649 39446 89023  
05417 27841 85433 42521 90335 48440 78778 32030 43751 26851  
14016 23104 48427 49516 50449 00815 50820 76348 48211 19528  
01036 83589 22718 97468 72758 96685 81145 41264 04864 68832  
37582 36032 61384 33837 75270

10223/9223/8123 kHz, 1600/1620/1640 UTC
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**10223/9223/8123 kHz, 01-11, 1600/1620/1640 UTC**

07241 00001 00000 32663

**10223/9223/8123 kHz, 03-11, 1600/1620/1640 UTC**

05479 00001 00000 37664

**10223/9223/8123 kHz, 08-11/10-11, 1600/1620/1640 UTC**

09937 00269 76656 67539 37761 26119 40201 13753 54905 96455  
41040 94984 28503 10100 54077 84021 21782 68810 27375 21943  
22754 52728 13995 55771 77677 67900 47719 27538 78506 00045  
83433 45125 03049 22471 36100 31653 12560 93155 32772 27879  
69166 93107 30539 41097 66101 94187 58357 37688 27366 81080  
94953 93434 21723 71523 94747 12425 63930 59263 61806 06748  
14835 90625 26659 97880 71880 59881 24316 36027 55291 04674  
47573 84897 05685 88418 87302 27885 62675 98473 99737 78086  
74133 88358 33724 76303 68180 93711 84478 39641 60004 55162  
04122 85897 05981 65721 13314 79656 38539 03336 42695 06882  
81464 88636 66108 98221 54018 36151 74331 65562 29003 07239  
57626 22950 95507 02820 61615 07876 61032 92087 97173 65511  
03394 79573 02190 56267 16930 46894 93963 67907 42143 88594  
33733 40659 62061 23220 47807 12814 47580 41828 96962 81323  
40030 81622 56407 69629 66235 57588 49317 70883 63352 45304  
44696 12097 10765 69050 75921 11851 93786 87062 15820 35679  
03414 38510 84907 26129 47672 31118 22091 67983 62869 62360  
13255 84734 03024 20055 12177 70479 28574 74361 16414 18413  
25287 89596 09101 13484 04073 63666 93857 08097 44401 87453  
65076 31051 39626 62482 08176 50373 36090 73350 85272 12097  
23250 54517 26457 78275 03952 89652 00604 71142 57756 32673  
76228 14789 55556 72890 51229 84936 81518 87251 77137 22391  
68562 40449 15929 05885 49528 70747 78179 00284 41974 68675  
93591 10785 52750 38899 63055 82965 48082 10628 32773 50994  
88668 99503 57689 85795 83723 87943 79835 93303 97267 75038  
71714 59931 13396 95647 83383 48030 67236 54033 45690 87154  
37080 50013 56246 87415 02418 63166 06818 91450 49098 83419  
37721 77634

**10223/9223/8123 kHz, 15-11, 1600/1620/1640 UTC**

04416 00001 00000 36255

**10223/9223/8123 kHz, 17-11, 1600/1620/1640 UTC**

03534 00001 00000 35656

**10223/9223/8123 kHz, 22-11/24-11, 1600/1620/1640 UTC**

00145 00213 83578 28328 40199 90148 89708 66188 25921 57519  
84564 03132 20234 28538 17126 76994 35598 01766 96670 97279  
05546 78646 20740 36852 76347 97769 03113 65414 53506 54524  
84512 42899 38287 26855 60317 89088 83989 08936 85203 44893  
13122 67510 91685 11557 78187 53828 34713 96811 45405 03685  
79350 06290 49147 62609 07319 88793 33763 55257 75963 22868  
99357 11378 85036 55307 38584 10644 12103 01753 87673 08594  
62600 10400 66417 22762 75031 71112 65075 58063 19564 45058  
19097 21471 83140 11558 07761 35862 89654 58437 13594 28230  
78044 28439 41464 45675 75338 73601 53920 44194 52996 18981  
20794 64315 10008 32588 28900 78129 41080 02700 84372 13580  
31270 06045 71281 87748 44226 72260 94000 69949 20216 30113  
20525 70971 48829 87721 61781 87275 03697 50411 99749 61617  
59211 81888 16527 61733 39496 45878 70753 40018 90326 48183  
70479 53154 31485 26832 63252 90198 84851 30666 80833 66819  
61017 29885 41852 10809 57660 75198 84449 34718 94674 38204  
57835 24292 40097 92151 24756 80473 09196 55476 40504 09801  
07099 08403 37673 69757 03081 50787 60704 63420 54504 83053  
30954 97207 69061 59431 86527 08281 12157 15895 47815 53366  
62713 88279 60249 66753 69931 55627 00047 20887 92845 13698  
75153 44554 92046 21627 65392 66442 66005 63893 13613 76665  
73488 68132 54602 41114 64415 36574

**10223/9223/8123 kHz, 29-11, 1600/1620/1640 UTC**

02007 00001 00000 34652

11529/13429/13929 kHz, 0800/0820/0840 UTC
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**11529/13429/13929 kHz, 02-11, 0800/0820/0840 UTC**

00965 00212 90163 36160 55709 41067 02587 54951 01878 83182  
48105 24918 91836 75267 26973 10112 40413 09400 22487 92910  
92749 92640 97677 63384 79982 97308 80301 44262 17988 02911  
11168 50186 68361 42573 84942 40671 46355 00482 60889 84541  
80682 69676 29920 31290 47002 49266 10452 91651 19925 10697  
40951 90869 14061 48050 56757 30346 62022 55422 91979 11256  
83240 08518 50665 66500 94143 90249 74133 93180 19794 59435  
73842 22333 21965 69689 04533 38896 14075 71809 04471 19914  
44215 38060 28410 44915 80424 33950 43837 36977 11459 31361  
61174 28804 90526 23432 66939 73760 90738 86739 83261 84980  
14434 72578 19784 41378 76255 78213 39039 12787 32795 59527  
85247 20713 50619 92937 22778 09378 14925 02570 13976 71096  
67860 46010 11159 94180 82140 73373 34864 21525 76860 59803  
32805 62261 84949 98551 28191 30671 45529 48705 58860 65891  
31829 42129 93205 14483 92299 41279 82229 31485 36162 85177  
10422 19112 14626 68774 16615 90741 54757 24535 08692 33697  
95859 02845 82761 27021 15196 29780 85788 19572 03532 46968  
72234 64567 90058 09784 68421 32641 81586 79182 86559 08153  
94702 04114 68442 60404 11151 50983 00350 10456 61301 86334  
53572 48473 26577 31449 15722 95476 79308 89807 98504 63116  
46813 71430 55182 63790 35728 39588 32061 80323 33966 99704  
55510 36825 76967 44494 60653

**11529/13429/13929 kHz, 07-11/14-11/16-11, 0800/0820/0840 UTC**

08265 00106 39881 80799 67481 38256 69717 59084 41971 65253  
44458 16317 65365 49493 69601 10256 03326 69960 85090 41018  
22401 29908 03120 52095 86694 70640 29518 58392 58930 57851

05013 42570 39130 46093 84700 39456 68714 46773 43928 74951  
02398 35572 48736 14462 97603 88569 23167 15308 76239 21163  
15944 94483 18733 90667 89742 94926 74518 87037 26215 72789  
01765 33822 06442 65962 69470 77891 25352 96652 89999 06514  
21395 60848 94296 11623 18424 80475 51667 64505 96980 10145  
93787 32775 71709 42490 74466 12065 38171 69044 56032 33411  
25565 10658 27859 68629 53504 77496 12897 77651 55672 66891  
44182 80573 25735 40467 25532 68815 60158 50720 15301

**11529/13429/13929 kHz, 21-11/23-11/28-11/30-11, 0800/0820/0840 UTC**

00338 00126 85308 33938 36644 16176 08476 60899 04464 71961  
89615 20027 15242 65832 12886 35242 21652 99862 05302 32308  
09078 56592 52345 47719 61454 68189 52628 91122 72614 25388  
03286 26287 67445 96708 94724 93300 96668 50955 88778 08726  
54334 37092 20687 36904 91975 50517 41152 99319 58414 77887  
75416 57685 65409 24352 55965 30709 28812 44231 12891 15594  
03738 68414 56689 17064 15544 35155 79497 26180 34090 89434  
73617 36006 52944 52434 55488 50039 22066 11746 88936 83114  
72856 05832 82626 21184 98377 40657 08591 25508 81879 83848  
73144 00107 71451 67428 00893 46055 85208 17789 71779 99283  
86263 42683 15302 80979 35006 26019 18217 62547 36903 18914  
48555 14841 91457 47651 17912 52724 66570 75832 48267 44091  
30687 22950 68310 87833 46168 63819 32378 73776 72377

17413/15852/13363 kHz, 0910/0930/0950 UTC
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**17413/15852/13363 kHz, 02-11, 0910/0930/0950 UTC**

03407 00001 00000 36653

**17413/15852/13363 kHz, 07-11/09-11, 0910/0930/0950 UTC**

00428 00165 32865 03171 16100 44140 20748 11651 88914 24035  
70056 82012 94109 10924 44643 67533 38003 90455 50211 61795  
65837 70544 05101 11149 68129 10898 74848 45053 62876 41213  
06526 80825 25893 96714 91555 27613 63666 05884 56819 35735  
85330 02899 98026 23667 08635 60553 33300 65598 95582 78510  
25635 97596 90578 16331 68130 86969 08049 64332 96226 95805  
43019 30421 11976 38329 02167 25842 06446 14075 69276 20723  
70543 35981 39485 78368 04056 35086 92002 78423 32229 93476  
76820 54513 91115 08286 29405 41244 96137 90849 98059 69986  
47191 29937 13517 96373 55282 86142 28066 74623 04952 41732  
22248 06958 82479 33763 60626 00798 96584 77350 82434 12346  
20140 04974 17452 94901 93686 98457 44519 11976 32684 15473  
67022 48065 94148 58707 79836 78776 70720 06634 80310 66868  
50725 36778 01794 68920 29247 96861 44861 88498 26561 60979  
01205 47850 85655 10961 67332 68846 25430 57270 75170 88784  
33456 29949 03164 48373 31430 24090 79981 79205 53742 67890  
21654 64212 42335 40392 83768 71667 93551 10300

**17413/15852/13363 kHz, 14-11/16-11, 0910/0930/0950 UTC**

**14-11, 0930 UTC: Off during the callup**

06131 00055 85868 41811 76909 18017 66648 40886 48817 70583  
43602 74664 98814 91958 44492 63675 81456 75923 81607 90087  
90980 78938 00926 49563 75417 28871 44994 91459 32788 16788  
70053 72615 88971 91237 14854 60077 05588 05749 48686 90384  
48441 19831 17701 32235 86191 72306 64281 48300 96126 51826  
09193 96930 05083 16365 39133 18546 04313 70166

**17413/15852/13363 kHz, 21-11/23-11/28-11/30-11, 0910/0930/0950 UTC**

**21-11, 0950 UTC: Off after 1m30s.**

00208 00100 13897 49325 28053 43571 46365 45420 23791 55717  
99826 61888 12936 51291 83809 79046 58300 48808 66981 77745  
06125 50479 64329 56551 86828 42039 82898 46055 68983 73308

87450 37579 39705 74550 63641 79645 35192 94323 93892 76077  
57207 31050 37297 54895 31063 41102 27689 49874 54958 36814  
78454 08217 75801 91490 66970 83847 20282 27295 07864 56527  
96123 21548 08428 79581 54877 51308 99120 82847 22691 98147  
36946 54338 05992 81327 60248 87521 59160 81547 79777 10959  
59121 35116 45500 30388 09559 85341 06230 70989 17134 34357  
36480 64468 31217 97154 58895 82642 59834 07729 93396 36130  
67129 48997 75002

13393/12193/11093 kHz, 1100/1140/1140 UTC

**13393/12193/11093 kHz, 02-11, 1100/1140/1140 UTC**

03784 00001 00000 36663

**13393/12193/11093 kHz, 03-11, 1100/1140/1140 UTC**

06370 00001 00000 32665

**13393/12193/11093 kHz, 09-11/10-11, 1100/1140/1140 UTC**

00026 00189 14928 19639 23385 00301 38665 27884 06880 92823  
22457 65016 72024 90068 40249 68778 38733 50779 86253 26565  
27029 83950 66633 68024 19032 83444 09355 48271 58949 66620  
94736 04800 37945 38865 95008 07193 74182 19462 32614 44836  
48326 28006 86679 34835 59912 90381 00459 18997 44250 09278  
33715 96192 48125 70771 38717 49591 39990 23774 28679 99405  
60130 50833 16441 48363 24444 50477 23747 62653 50462 36638  
88107 48668 22867 01335 32086 04638 38690 18876 73334 95588  
57240 49926 08886 99554 87357 55085 16185 17736 83417 60330  
43088 31332 16991 13441 69914 49529 16236 51337 97903 32961  
31695 50377 68625 48722 44388 96777 30786 36413 14491 28722  
48322 29183 25245 12262 14586 55033 37184 13644 22235 76334  
13011 74848 22220 15233 19440 80163 10462 56304 31900 62894  
00061 48716 93220 58799 70458 23455 54406 43247 40879 93935  
39920 46141 13392 58131 55781 88078 36722 32465 67376 66064  
13509 00011 62701 43572 68745 71850 61321 07876 24805 57906  
58581 03167 02740 59093 44722 18888 56465 31122 82539 81167  
27078 12684 01334 33666 62813 73044 60080 36285 31040 92485  
72248 79022 33770 86055 91006 65845 55317 44083 00782 36607  
00094 44040

**13393/12193/11093 kHz, 16-11/17-11, 1100/1140/1140 UTC**

00137 00189 14928 19639 23385 00301 39765 27884 06980 92823  
22457 65016 72024 91168 40249 69778 39743 50779 86253 27575  
27029 83950 67633 68024 19032 83454 09355 48271 58949 76620  
94736 04811 37945 38865 95108 07193 74182 19462 32614 44836  
48426 28106 86679 34835 59912 90381 11459 18997 44250 09278  
43715 96192 48125 70771 38717 49591 39990 23774 28679 99405  
60130 50943 16541 48363 24004 50487 23747 62653 50462 36638  
88207 48668 32867 01335 42086 04638 38690 18986 73334 95588  
57240 49926 08006 99554 97357 65085 16195 18736 93517 60430  
53098 41342 16991 13541 69914 49529 16236 51437 97903 32961  
31695 50387 68625 49732 44398 96877 30786 37513 15491 29722  
49432 29183 25245 12262 14596 65033 37184 13644 23235 86434  
13021 74848 22220 15243 19440 80163 20462 56304 31911 62894  
01061 49716 93220 59799 70458 23455 65406 54247 40979 93935  
39920 46141 14392 58131 65781 98078 36732 42465 67386 76064  
13509 01021 62701 53572 69745 71850 61431 07986 24805 57906  
58581 04167 02740 59093 54732 18889 57475 32132 82539 92267  
27078 12694 01334 43766 62813 73054 61081 36285 42040 92495  
73248 79032 33770 96055 92106 75845 55417 44083 11782 37607  
00094 54040

**13393/12193/11093 kHz, 23-11, 1100/1140/1140 UTC**

07117 00001 00000 35260

**13393/12193/11093 kHz, 24-11, 1100/1140/1140 UTC**

02466 00001 00000 36260

**13393/12193/11093 kHz, 30-11, 1100/1140/1140 UTC**

01940 00195 88992 42112 16559 13884 63416 01932 00263 50020  
 83601 82440 13515 24223 36110 46804 15334 22371 81418 47957  
 79005 35945 43522 06999 62340 79104 42176 34785 24375 52736  
 23135 85840 65148 96716 79233 54483 84666 15569 28462 28676  
 37505 47020 52440 84449 96118 40787 31245 19564 82472 68008  
 41561 52431 54590 36998 67737 93317 77377 28951 69277 25911  
 85557 42974 34008 80455 40196 32903 46273 11664 42027 34932  
 46165 93561 23085 09558 48923 54998 43798 21734 91468 50030  
 32085 13227 79373 94185 86953 94653 77747 72672 20900 33052  
 41098 31898 81960 92813 82524 95942 50471 53762 51591 21486  
 63241 38814 54297 14590 21428 15053 54117 28984 29016 34722  
 78726 72581 98886 54525 37004 92165 98928 14361 48393 22121  
 03624 88090 66285 48525 48027 52146 96109 86280 31764 89747  
 02980 89092 62617 16269 27732 20530 89626 03765 34819 40568  
 65985 04413 60429 02929 36865 91342 85954 43860 85817 72301  
 16295 47437 73305 92920 77679 42968 97967 99341 07203 02167  
 97299 77641 05279 61324 54375 98435 53744 88005 13057 83819  
 44774 39121 24334 96358 59589 85154 18339 30148 59580 79759  
 13498 09152 17703 53421 01052 35670 22226 05759 43156 20095  
 73281 82743 83188 80463 98800 35888 39170 61122

10968/12168/13368 kHz, 1200/1220/1240 UTC / 13968/15968/17468 kHz, 1200/1220/1240 UTC

**10968/12168/13368 kHz, 02-11/04-11, 1200/1220/1240 UTC**

00411 00208 88876 59020 53022 87485 14429 28497 55752 45766  
 88361 74566 88148 58068 72139 45024 04123 96926 41493 65483  
 66295 75549 64112 31158 99571 54952 06210 78557 19068 32469  
 69341 45777 99311 11115 53345 70304 84172 57008 01898 21085  
 31943 12485 18879 36570 22507 02587 52853 23600 29400 59264  
 02259 79711 39560 85158 85310 39424 77312 30315 58593 99256  
 42945 88784 77549 41239 08688 76689 83842 54921 03228 90385  
 50639 68069 01793 36152 80124 34596 50455 47624 33076 48875  
 79635 59010 43427 81310 80679 52943 90859 27255 20589 36414  
 64522 30091 59535 68971 30092 59520 04058 81991 94217 05479  
 05297 94712 41928 91642 20232 37282 57213 62529 48973 66309  
 04058 25999 25550 50691 90103 79816 26913 29662 08901 36972  
 39695 76471 64224 55571 21569 88162 74690 67896 21077 28310  
 60995 68915 47552 92492 35579 05012 13582 54480 13448 50584  
 79078 57974 51633 16870 41908 60152 40895 71058 53215 75068  
 11572 24759 35954 45457 28129 70280 26434 73098 18401 51756  
 02955 75995 27366 15277 19519 42611 70439 15360 10036 81450  
 16912 94089 32359 19766 94257 66188 59342 77793 81710 14979  
 99864 96604 48282 78519 00857 04649 12900 41083 62697 82637  
 50936 10719 20773 24567 08885 45167 29888 81952 24169 97163  
 08111 80669 87547 59649 45844 33698 15744 53840 05602 08955  
 47464

**Changed frequencies on November 9<sup>th</sup>****13968/15968/17468 kHz, 09-11/11-11, 1200/1220/1240 UTC**

00227 00246 17875 48985 07722 16403 46147 40414 14091 15454  
 69930 27929 83579 30545 52896 08957 72255 66563 42047 94677  
 60800 58206 03364 98205 37704 00111 65921 26890 48388 11925  
 91862 45143 58683 19470 79794 05388 40166 21520 56776 02848  
 55759 42644 73024 02046 02212 84628 30958 46006 16188 45013  
 92836 45292 91979 75748 58292 73548 01443 88041 29304 58601  
 01726 12753 85029 95535 16165 04341 20280 93140 68887 15679  
 72270 10092 99106 24833 79989 42264 88355 82211 15717 20272  
 39412 28123 31676 18009 21127 14514 40117 57408 78654 07730



96418 75413 84159 18774 07909 87284 72153 58128 88193 92620  
89751 33905 02017 86021 21489 46144 01104 94181 41558 97231  
59028 25613 04011 98827 68073 13083 16134 09833 17049 36174  
29247 84342 08764 18365 83876 73487 92462 86986 39866 28902  
64621 61166 71060 70113 66984 51779 83285 09614 44885 34984  
95781 90494 20259 96336 83974 40972 00171 88886 00155 05724  
14117 16949 16521 55052 51018 40755 96427 64666 61308 86048  
19044 09497 28550 71332 83291 84663 47987 62989 76145 25142  
12631 52765 63420 95898 66256 66275 19918 14099 23551 41009  
60897 09720 86442 55548 51182 61177 57125 43603 75517 73973  
10653 62087 49944 44039 74255 63713 68022 26219 42498 18881  
59706 00689 33089 97848 10015 51965 00174 47392 86455 46027  
79800 41875 42279 72118 00766 86831 13447 10608 45204 01542  
72766 63033 07708 52466 53294 81180 07849 14687 36924 20009  
12689 07684 79963 94332 50452 90201 14579 29219 29527 25718  
40082 48635 54117 79846 17669 39009 03962 82297 60210

**13968/15968/17468 kHz, 16-11/18-11, 1200/1220/1240 UTC**

07602 00218 77872 61673 41656 97366 18874 30785 10899 46889  
55090 56078 69534 27105 16604 35904 73623 69684 51140 94645  
24729 68858 76094 84376 06875 32469 44235 00646 14722 50935  
55951 70979 49263 99373 04923 94400 56700 48657 85921 10057  
54530 38943 82726 93598 20669 33208 42772 42187 80319 21375  
21179 04950 04166 12617 28812 97012 75429 44615 05083 30965  
93504 42581 92433 56562 11503 08337 63854 82257 97421 65848  
25779 15909 08760 85756 53199 04729 50097 28361 62848 35535  
13837 04722 47640 81012 77772 43437 37446 14932 81295 65916  
06503 14815 39549 02317 17985 29624 90076 13646 51560 57834  
92796 23619 75839 63933 66869 07286 57774 02063 13687 20604  
05115 18294 36053 86140 15371 74633 13992 68395 43160 52468  
25776 16320 33203 70883 93615 70825 34289 74882 56177 40814  
78116 58235 02186 82900 05770 72417 96260 77406 08886 37270  
77712 36113 85014 22220 61651 97077 50585 68813 19106 75543  
32884 36816 45885 77657 52195 54343 69860 03874 45985 12802  
94370 68299 03786 48314 75270 52853 89731 08616 94402 33734  
48493 62075 93699 12768 33608 65144 52807 86187 45275 14165  
49251 54092 51328 24017 76279 88661 44281 92246 15730 28992  
21117 72331 66904 79736 62766 55019 50605 83531 18373 06017  
09946 33193 33121 26099 01719 40026 58401 89798 33340 73219  
04767 47016 48172 42309 95923 16646 09919 95095 44970 85841  
74565

**13968/15968/17468 kHz, 16-11/23-11/25-11, 1200/1220/1240 UTC**

00169 00222 15359 87612 42034 88288 01237 45466 91124 34424  
31878 25624 81884 83835 77485 36453 16538 00205 86946 93859  
00708 02425 15949 31353 55800 64514 36600 78772 10033 28256  
28920 88771 51693 29630 64924 93243 54348 81324 35945 70144  
35583 48281 87679 72001 16953 27766 19809 40826 47836 44373  
84255 28107 99216 93644 71362 16567 80938 25536 70982 88235  
67276 47953 40937 24937 42575 11870 03799 43923 86251 57515  
09495 99797 83671 39632 58683 97841 71503 05128 97753 59080  
04784 35262 08148 20753 70327 49502 54434 89980 00682 20182  
86042 57016 12023 18143 63594 27513 96637 03126 42646 85535  
07734 06440 06822 85187 96437 21285 76551 85051 01304 75277  
17238 39462 37829 88675 03018 13430 12549 96925 42434 34096  
75296 53715 46888 49079 70700 32327 12486 61415 94061 20202  
22668 67514 46303 57903 33508 49474 19618 22318 84567 89468  
36396 32131 48458 66237 72120 02914 76685 95825 91467 36959  
51380 82163 44677 00399 47577 38599 95336 56773 62756 66146  
46358 85443 42757 00271 05274 98375 89687 72551 42462 52202  
98015 36324 65422 91961 22839 71513 25304 62800 32015 88215  
92808 38506 07120 75165 94938 78788 91363 39572 88217 54843  
03416 52373 38428 54743 46392 65795 88167 29240 00122 94746

70741 31939 18541 88956 11483 15640 19222 71145 24736 23071  
10516 18044 25484 46117 25558 17143 77349 33869 00404 20578  
19900 45294 02677 29899 03745

**13968/15968/17468 kHz, 30-11, 1200/1220/1240 UTC**

00324 00178 31669 70230 18545 16343 72688 05743 35504 66577  
08710 24811 29057 75135 79911 21833 94559 61667 23265 17035  
98431 16347 13992 03395 17917 87918 87111 33470 98873 85258  
16900 68022 39787 26853 73231 10662 40716 93509 04990 75356  
75037 33295 92316 74225 92841 23133 18433 47260 69660 31953  
49445 13286 27261 89533 75132 54650 57473 38370 58175 21498  
57851 74476 86804 25885 92636 54530 54194 17109 49178 86872  
44012 19767 46396 54554 44887 32717 84910 37517 46094 54455  
25527 29472 55736 74109 96523 46002 77833 72558 71710 27346  
04264 80954 93104 70220 32281 71992 13785 28359 24964 78552  
35541 89918 25744 88350 94365 42448 49473 02771 12389 01348  
17471 25485 02733 37992 39841 03744 93474 90363 60910 61285  
09637 23001 62508 80331 00070 13875 81217 73948 15979 61615  
24817 75876 59083 95734 69467 27393 93887 11950 74949 15908  
50941 59925 43604 29202 54916 33898 35053 77608 33684 30835  
35781 77049 52679 72687 53441 65375 80288 54344 12391 61511  
02139 23002 19162 24551 45538 00748 31921 83206 01108 32265  
35009 12932 67267 42548 94661 61265 38874 80195 91121 91657  
63660

11162/12162/13962 kHz, 0600/0620/0640 UTC
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**11162/12162/13962 kHz, 03-11, 0600/0620/0640 UTC**

01157 00001 00000 35256

**11162/12162/13962 kHz, 08-11/10-11, 0600/0620/0640 UTC**

08047 00055 88749 84718 00714 66302 48912 19476 14968 28614  
66507 06191 79689 12604 47747 07614 92937 53312 11936 47835  
15538 23300 15459 94291 68719 20461 24473 25094 82237 21745  
31833 80601 47630 47713 85171 06324 78799 26560 31114 22374  
92529 90685 84372 54043 82113 05914 17618 61027 05436 05654  
91495 13067 24254 50685 36074 87753 71876 03756

**11162/12162/13962 kHz, 15-11, 0600/0620/0640 UTC**

06926 00001 00000 40660

**11162/12162/13962 kHz, 17-11, 0600/0620/0640 UTC**

01210 00001 0000 22543

**11162/12162/13962 kHz, 22-11/24-11, 0600/0620/0640 UTC**

00452 00090 81665 59015 61341 67148 84353 48533 75102 19064  
61028 03484 40671 60296 47080 08964 39686 10824 01425 81563  
93385 53596 09314 21345 35843 58192 21975 13174 73985 53865  
69491 08115 54461 86615 25443 88410 65229 85180 46072 03613  
25150 67411 52606 79836 16911 35759 19259 19831 07242 67793  
29310 43664 20733 95054 05439 27568 83101 55394 30317 40542  
75792 57274 54104 58880 89782 14406 77145 94035 14799 31670  
87876 97195 21565 52319 12005 49923 09508 13172 25501 07253  
79533 63037 45391 36307 02806 30568 54584 02360 87987 21999  
43016 68351 41026

**11162/12162/13962 kHz, 29-11, 0600/0620/0640 UTC**

06363 00001 00000 34264

15985/14885/13885 kHz, 0910/0930/0950 UTC

**15985/14885/13885 kHz, 03-11/05-11/10-11/12-11, 0910/0930/0950 UTC**

00419 00199 88676 64589 00870 19721 82930 49434 28237 28885  
15309 97415 37137 07420 77579 67104 51728 86503 76517 42106  
91787 58667 63446 04077 49185 51500 56556 50750 08173 77427  
33380 18650 13321 47664 47885 30747 48017 70317 62288 25267  
11730 30113 47014 63448 06384 54247 18968 53976 03933 21845  
80274 73723 13757 36935 31716 56416 74070 19398 19011 65954  
14901 53656 25198 36891 70626 06080 49885 14757 80159 61350  
76242 24230 75322 30455 45135 87003 43215 72100 18277 64858  
11925 84059 93655 24473 47687 28487 30227 07064 69861 82382  
19609 47249 40316 15837 54322 72207 16044 65867 79742 85393  
09672 26326 50691 35471 93239 16628 48962 91785 93223 36528  
66673 12069 81898 42302 35780 56622 46554 22292 49812 21306  
82571 26019 93848 75525 00441 40041 86268 23990 78733 73012  
25724 48593 03134 21653 59530 96241 41289 23659 53663 04984  
89502 54022 15970 63547 91253 27557 12852 78331 01517 67469  
50321 33846 73095 37131 27001 43650 80506 48262 42258 05683  
60376 83651 59588 79938 92686 63688 72178 27613 59430 38068  
22129 11104 11485 68153 60854 93900 33252 68466 36449 14809  
99457 73690 00687 68471 48536 45675 29801 53978 26192 20889  
06800 63656 17968 62199 20274 48751 29060 19006 96412 00031  
23905 55434

**15985/14885/13885 kHz, 17-11, 0910/0930/0950 UTC**

06951 00001 00000 36263

**15985/14885/13885 kHz, 19-11, 0910/0930/0950 UTC**

08655 00001 00000 36665

**15985/14885/13885 kHz, 24-11/26-11, 0910/0930/0950 UTC**

08649 00165 53829 35319 73865 29772 97528 87842 06150 27817  
53129 35561 46975 09126 19435 86689 56987 65908 00017 86352  
03506 61317 31146 29879 66747 04057 89685 56632 33602 47634  
81938 38293 52110 32349 15025 31675 79838 63644 14541 50057  
71752 61016 99719 90828 97654 16586 00139 05190 07949 12200  
41502 28661 97122 86787 86711 64715 81363 71463 28943 80650  
51814 49017 42995 22302 56035 43550 29178 03553 24516 71263  
16305 53110 55928 72046 46554 45082 21481 05978 55231 89516  
21070 17088 76068 99807 10416 12396 86504 83363 14603 42068  
79162 11033 81423 11144 87755 92360 46840 99442 74001 09635  
19208 42889 27868 52177 63436 69974 61218 60459 56469 03067  
67479 18644 53164 92666 64245 94255 73491 99740 38795 47918  
57534 70973 73255 62848 62999 16701 34084 34001 38852 44732  
60970 22166 90092 54319 97586 20095 89380 29419 88815 23455  
70752 75956 42341 57150 86482 73563 11383 84790 49128 69126  
20637 85993 01081 94052 68415 84260 88742 92029 55855 62535  
77044 75819 87544 63063 03525 84855 47934 15706

8126/6826/5326 kHz, 1600/1620/1640 UTC

**8126/6826/5326 kHz, 05-11, 1600/1620/1640 UTC**

09691 00001 00000 34672

**8126/6826/5326 kHz, 07-11/12-11, 1600/1620/1640 UTC**

09480 00276 95791 35540 13648 89053 63114 81807 13158 98154  
26958 31451 18465 83764 61201 67248 40974 45385 35826 02369  
86552 87382 60482 53891 17801 01549 41788 53419 77099 04551  
67977 23719 14148 41223 60684 43897 60111 32153 40378 80208  
49654 84559 81574 19325 80483 87015 39029 96449 44451 69826  
98422 50075 22056 02332 79023 92716 56736 74719 51076 02610  
40421 98859 39743 47892 92212 43965 14258 17728 57155 28354

42072 00382 57754 01842 46277 71191 29842 26761 19894 45651  
20139 79048 32751 04730 07476 67809 35951 45289 54662 63529  
96393 04241 51420 29385 38020 91272 24238 58964 80978 18374  
09768 37712 46327 63379 00866 16744 09295 37399 24425 63315  
87422 02653 40956 77264 49222 65255 33237 53406 50137 47752  
58639 98041 96214 59030 99274 61793 01324 42325 56000 27594  
79505 40650 31701 07827 53981 74966 27436 84663 76785 87585  
45500 94001 41953 54770 76409 86111 62466 90866 31296 39536  
82589 45196 24200 72129 70244 83202 21186 72614 17404 52238  
99918 66347 25501 81722 76859 14743 15241 64136 52085 61728  
21758 93317 69499 11233 77332 68040 69614 50067 55059 69746  
32441 39921 66342 77386 25595 07716 46953 88873 54289 58034  
23386 37596 38882 96622 14489 23972 28302 70298 47088 44543  
44211 65032 55783 53759 34810 29113 12758 10662 74832 83296  
91401 61923 06526 42624 33371 46607 97418 55681 52090 46511  
87417 65425 82027 21782 89424 85072 26315 86425 65893 38959  
71221 28401 47226 58610 60619 92502 69129 20093 94319 40698  
49648 35582 88211 77189 96648 70729 86833 70405 51270 80393  
72099 99509 83081 51697 27241 19410 39417 83212 41673 37587  
26645 64843 28947 82968 42108 07882 27260 99531 05554 67538  
32025 68564 70942 49209 37209 15463 76623 50100 55054

**8126/6826/5326 kHz, 14-11, 1600/1620/1640 UTC**

08753 00001 00000 36265

**8126/6826/5326 kHz, 19-11, 1600/1620/1640 UTC**

02957 00001 00000 41257

**8126/6826/5326 kHz, 21-11/26-11, 1600/1620/1640 UTC**

00194 00199 68906 06380 44587 85085 36591 14046 80599 47823  
37865 80491 00510 55141 49324 18905 14962 55288 39121 01536  
83628 24836 86035 47859 18187 06403 25740 82378 79770 47774  
47618 88538 33541 35535 97954 14549 90138 44333 48875 19581  
21735 76639 09396 97603 63037 52351 68559 36302 06334 43846  
23871 47810 08577 76692 49884 04283 30052 24551 91368 25106  
13591 78635 13939 92359 70937 16575 66633 17336 36493 41465  
63088 04560 38899 63302 20044 73330 97306 42668 76571 50377  
47097 65940 82023 14030 51522 05867 81919 69698 30657 76126  
61825 79293 43788 07821 17572 12544 09542 42549 97677 82498  
40879 92285 85444 47119 70468 44580 37498 12460 28985 88127  
04963 49033 46480 45231 32415 08675 21399 37527 39759 10133  
42070 75639 36227 00585 38439 32001 31481 75723 49423 48004  
18307 99311 66571 10412 39854 58875 13284 06712 32769 24666  
37887 72920 25328 55298 30605 53598 82374 98040 04759 55278  
39071 99352 83463 26356 73915 15682 08308 57801 84975 75494  
03678 94782 81363 91695 08077 26529 46643 93893 17729 73940  
75754 40238 68373 01315 96292 31868 24932 09843 51877 00594  
67438 53660 63600 94428 44703 17249 30268 87356 14829 32309  
25276 98908 51464 72818 85254 94525 39304 28593 59013 16612  
91909 45557

**8126/6826/5326 kHz, 28-11, 1600/1620/1640 UTC**

00260 00237 89095 93195 02443 34737 37806 36360 18768 25449  
77081 67828 55937 71226 57201 78415 80640 58363 52965 35459  
79745 32773 73292 89000 12672 15396 30269 11939 31649 26481  
26664 83567 91842 24161 90802 99282 23906 28179 23186 62050  
29734 55732 77222 34027 95379 12569 07003 49340 76846 97536  
56245 26474 60258 37062 57425 99006 97808 73345 17144 14909  
41413 12223 77368 48829 87630 54115 93176 02848 07997 85348  
68688 08362 86360 41558 64774 25439 52143 88467 88425 71373  
59266 14434 53855 46658 44733 79783 49932 65092 89285 08121  
10783 35910 02210 09380 46663 17248 87724 80495 85069 86340  
69758 47528 29615 00579 38733 16195 84463 73629 21363 93415

15556 19219 63307 34576 99991 28280 22158 48127 02846 97972  
54349 10971 59998 15491 28581 41963 44137 94839 51177 78507  
92841 75376 06183 99866 69456 69688 41302 92524 98048 22180  
53726 90794 24215 14813 77887 54335 85808 85556 19203 54726  
14186 66935 48665 93352 49596 47818 41612 08670 25194 09723  
69421 41334 95499 22044 61037 37522 42894 52198 81936 85405  
27909 63898 94866 12713 38153 54955 73523 26320 02241 25213  
38849 05820 44918 14222 65905 96150 26130 93519 02938 95092  
34269 74224 90427 90043 54052 77295 29345 43988 78764 97276  
83268 35893 85303 67511 03083 95721 79419 81739 97418 82540  
39870 55933 25916 57118 12913 82342 67717 56773 26767 69244  
95301 44367 68918 67086 47128 26369 55198 20177 88161 75162  
24587 68571 87129 92599 86293 57393 89157 11723 65297 41047

16225/17425/19125 kHz, 0900/0920/0940 UTC

**16225/17425/19125 kHz, 06-11, 0900/0920/0940 UTC**

07024 00001 00000 33261

**16225/17425/19125 kHz, 11-11/13-11, 0900/0920/0940 UTC**

00279 00100 46541 11665 82777 80432 47887 35874 48850 66529  
42764 00054 37163 97452 04760 90518 50221 71515 84001 94997  
02538 24888 31180 68051 43348 83380 50768 33181 03808 86004  
21529 02512 83353 73962 29383 60542 10111 93331 00194 16528  
00282 70080 53610 81554 10350 65860 33075 53353 09642 20355  
05588 65568 85208 88097 62564 89804 30675 62660 82338 74822  
85563 62830 21712 80027 17454 26937 17404 27155 17358 14775  
32978 31336 98450 24386 93321 49072 46480 22620 01545 98273  
98850 61389 55268 30659 30266 07295 16861 26436 92023 42912  
23349 28618 71313 27336 69900 82268 18899 60637 34475 86387  
54343 96662 34200

**16225/17425/19125 kHz, 18-11, 0900/0920/0940 UTC**

01798 00001 00000 40662

**16225/17425/19125 kHz, 20-11, 0900/0920/0940 UTC**

03785 00001 00000 36263

**16225/17425/19125 kHz, 25-11/27-11, 0900/0920/0940 UTC**

00344 00081 22063 77003 09174 87108 55186 45170 02603 52717  
74748 18834 33322 13811 15312 51368 78586 10365 19906 63569  
98273 69711 47850 43267 40235 98256 29300 94619 09444 43979  
17466 78087 17509 39487 09225 07910 03924 78547 34280 54893  
21852 83059 41948 10345 12414 58369 66702 63648 15079 62004  
18064 07859 19840 39279 36691 17043 96997 06130 19899 98122  
26784 71500 60362 18022 04966 44749 26531 82460 39554 98485  
93433 48041 47143 05179 91082 05031 55264 63958 19999 61201  
31061 41895 42297 02275

## **XPB1**

13446 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0600 UTC  
14446 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0610 UTC  
14946 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0620 UTC  
15846 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0630 UTC  
16146 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0640 UTC  
17446 kHz, 01-11/07-11/08-11/14-11/15-11/21-11/22-11/28-11/29-11, 0650 UTC

20021 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1300 UTC  
19521 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1310 UTC  
18421 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1320 UTC  
17421 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1330 UTC  
16321 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1340 UTC  
15921 kHz, 01-11/04-11/08-11/11-11/15-11/18-11/22-11/25-11/29-11, 1350 UTC

7876 kHz, 01-11/06-11/08-11, 2000 UTC  
7576 kHz, 01-11/06-11/08-11, 2010 UTC  
6876 kHz, 01-11/06-11/08-11, 2020 UTC  
5876 kHz, 01-11/06-11/08-11, 2030 UTC  
5376 kHz, 01-11/06-11/08-11, 2040 UTC  
4476 kHz, 01-11/06-11/08-11, 2050 UTC

16353 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1200 UTC  
15953 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1210 UTC  
14953 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1220 UTC  
13453 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1230 UTC  
12153 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1240 UTC  
11453 kHz, 02-11/05-11/09-11/12-11/16-11/19-11/23-11/26-11/30-11, 1250 UTC

13894 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1100 UTC  
13394 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1110 UTC  
12194 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1120 UTC  
11494 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1130 UTC  
11094 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1140 UTC  
10494 kHz, 05-11/07-11/12-11/14-11/19-11/21-11/26-11/28-11, 1150 UTC

#### Test transmission

9142 kHz, 15-11, 1500 UTC, MFSK-16/16Bd (3m40s)  
11431 kHz, 16-11, 1136 UTC, MFSK-16/16Bd. Off at 7s  
11431 kHz, 16-11, 1140 UTC, MFSK-16/16Bd. Off at 28s, restart, 3m41s message  
11431 kHz, 16-11, 1156 UTC, MFSK-16/16Bd (3m41s)  
11431 kHz, 16-11, 1219 UTC, MFSK-16/16Bd. Off at 19s  
9142 kHz, 17-11, 0850 UTC, MFSK-16/66Bd  
10256 kHz, 17-11, 0855 UTC, MFSK-16/66Bd  
11431 kHz, 17-11, 0900 UTC, MFSK-16/66Bd  
10256 kHz, 22-11, 1204 UTC, MFSK-16/16Bd. Off at 9s  
10256 kHz, 22-11, 1205 UTC, MFSK-16/16Bd. Message (3m40s, audio stutter at the end)

### ***Russian operator 7 transmitter tests***

Russian operator 7 conducted transmitter tests on 16 and 17 November.

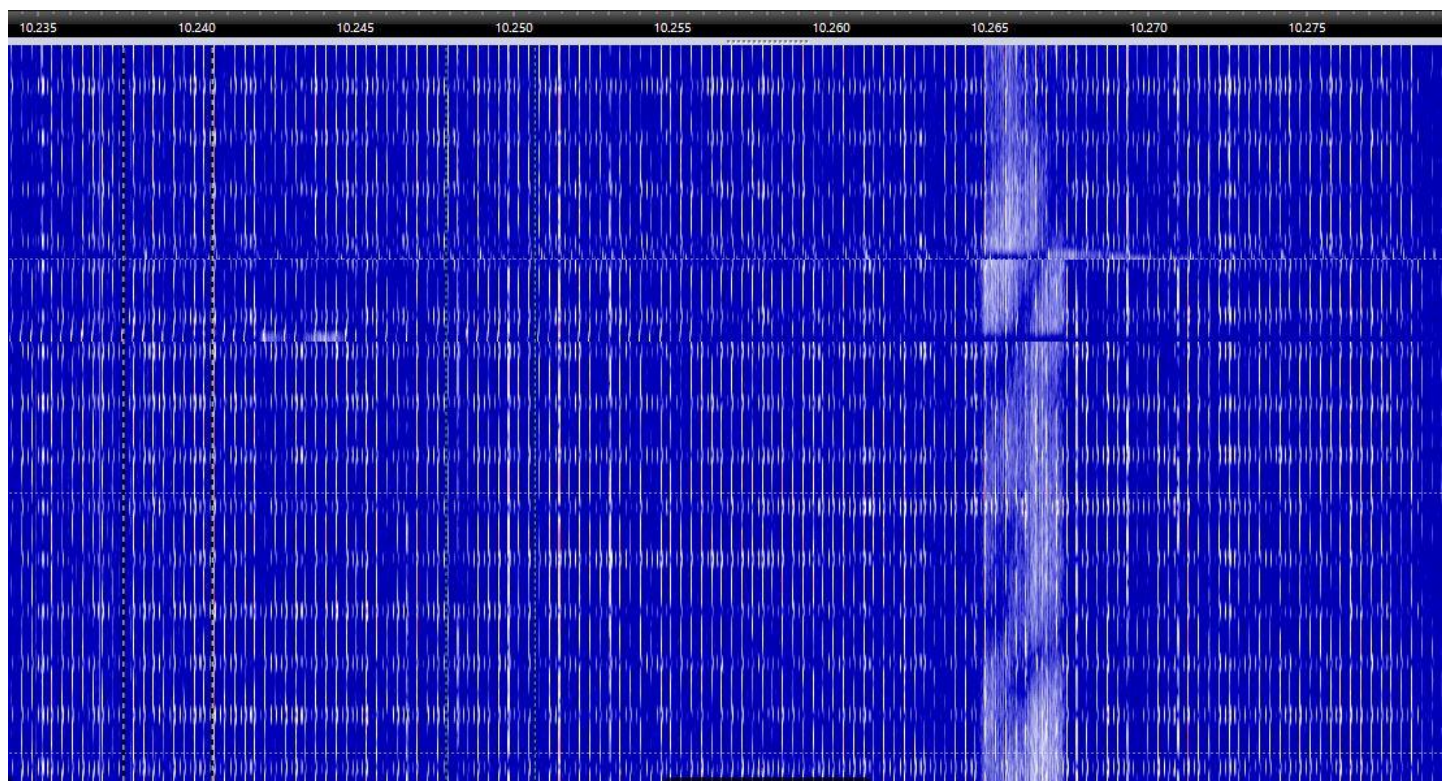
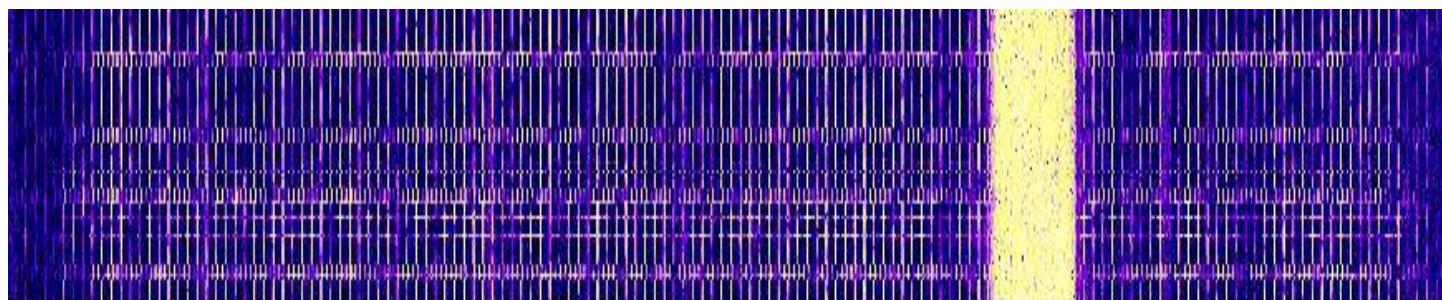
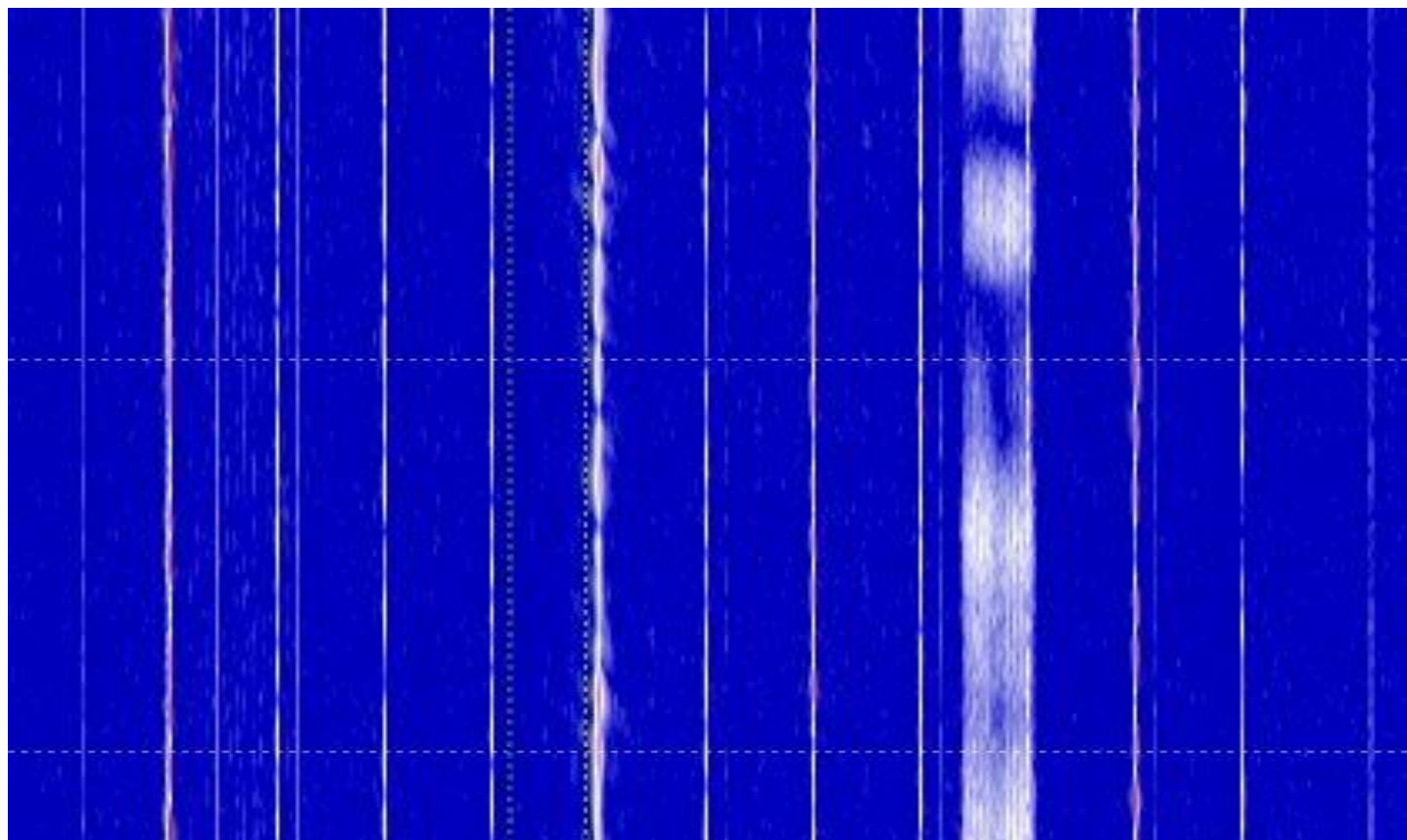
#### **10250 kHz, 16-11, 1226 UTC**

Russian intel. Several very noisy and wide spectrum (ca 40kHz) transmitter tests for ca 30 mins, including some weird sounding signals ending with XPA outro. See pictures. The signal on the right side is STANAG-

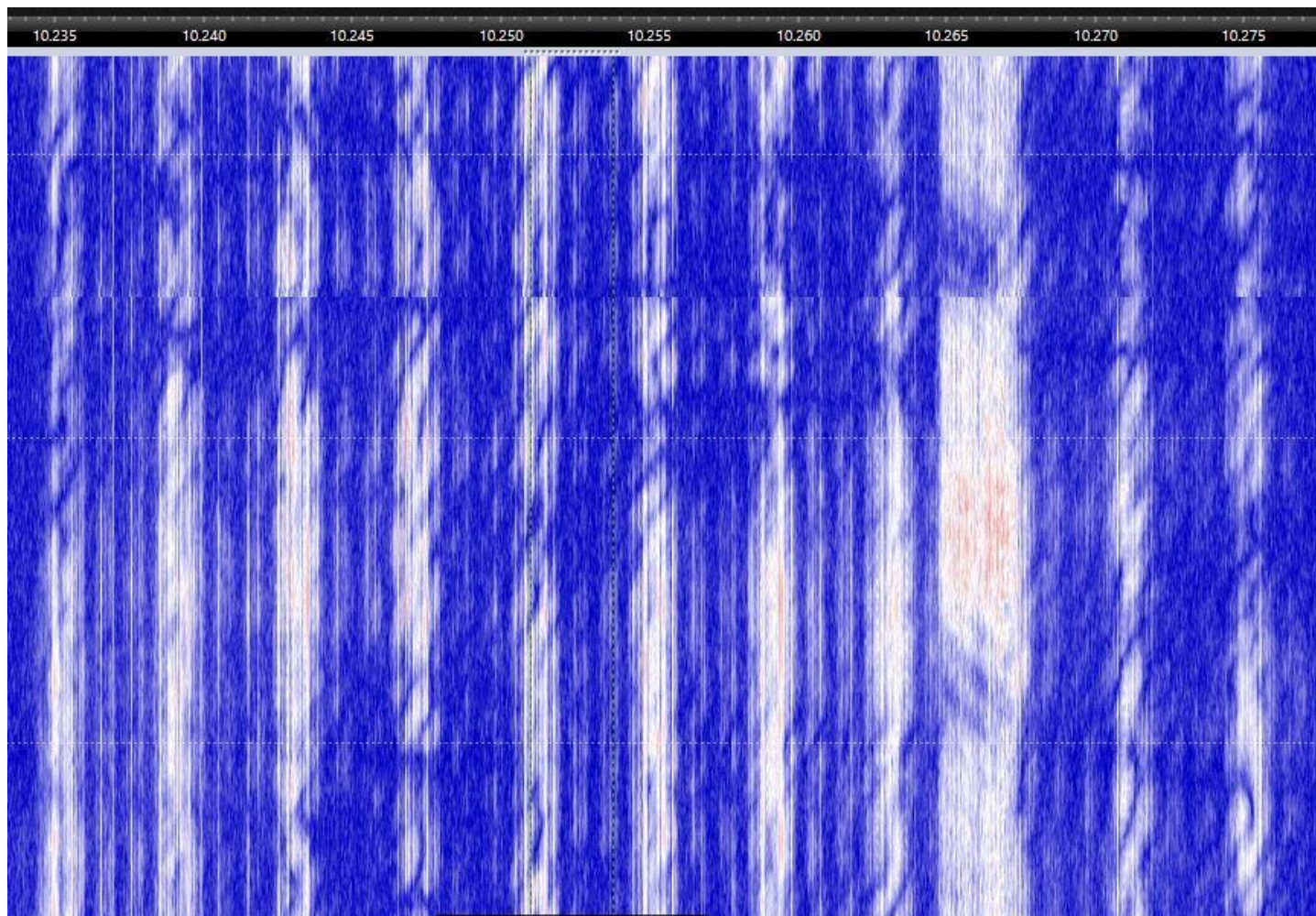
#### **10250 kHz, 16-11, 1238 UTC**

XPA1 callup, nothing else





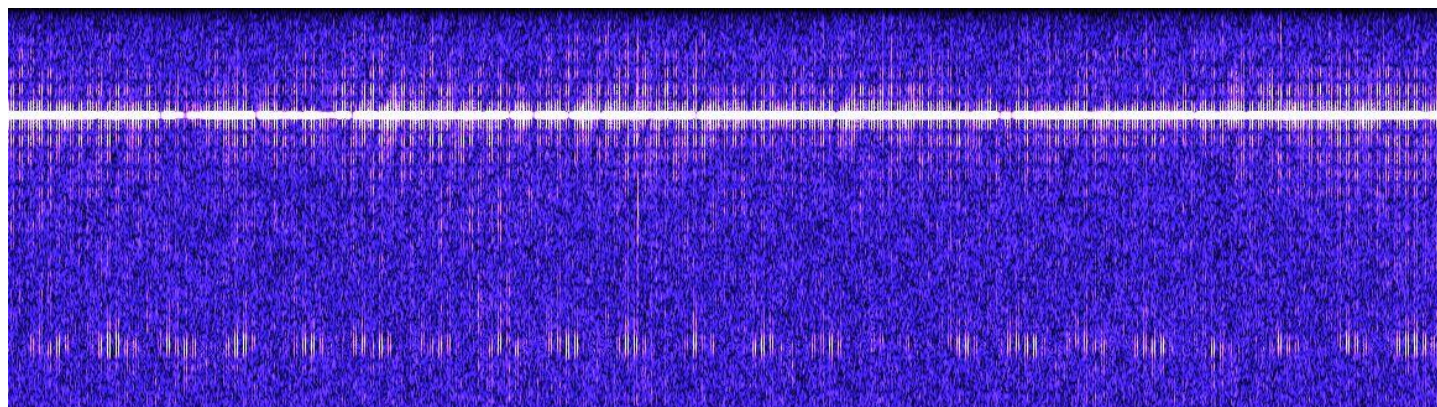




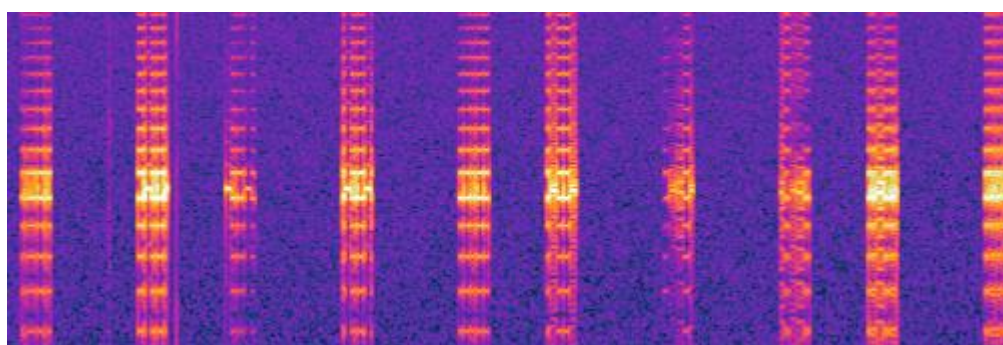
10256 kHz, 17-11, 1024 UTC, Bursts. Wide signal similar to 16-11. Picture below

10256 kHz, 17-11, 1033 UTC, Bursts. Wide signal similar to 16-11

10256 kHz, 17-11, 1040 UTC, Bursts. Narrow signal for 2 minutes

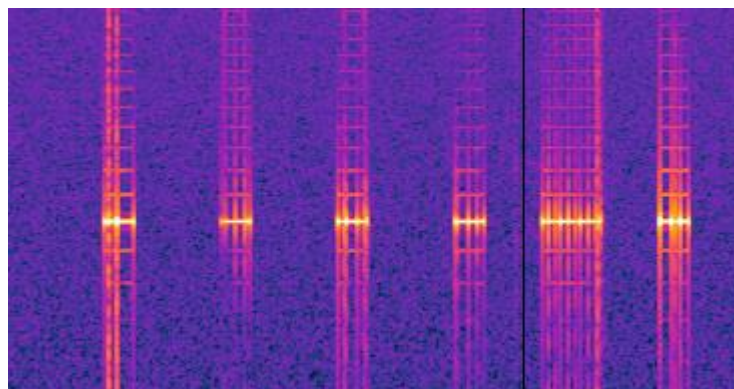


10256 kHz, 17-11, 1149 UTC, Bursts. Overloaded signal bursts, possible +1000Hz subcarrier OFDM/PSK (150Bd?), possibly merely modem tone generation. Picture below.





10256 kHz, 17-11, 1209 UTC, Tone. Intermittent 1000Hz tone with possible broken modulation. Picture below



10256 kHz, 17-11, 1215 UTC, Tone. 1000Hz tone during 7 minutes, signal wide with spurs

10256 kHz, 17-11, 1223 UTC, Tone. 1000Hz tone during 7 minutes, signal wide with spurs

## ***DIPLOMATIC STATIONS***

### ***Bulgaria***

12105 kHz, 17-11, 1055 UTC, RFSM  
12105 kHz, 24-11, 1059 UTC, RFSM  
12112 kHz, 24-11, 1059 UTC, RFSM  
12105 kHz, 25-11, 1059 UTC, RFSM  
12105 kHz, 29-11, 1055 UTC, RFSM  
12112 kHz, 29-11, 1055 UTC, RFSM  
12105 kHz, 30-11, 1056 UTC, RFSM

MFA Sofia wkg unid embassy  
MFA Sofia wkg unid embassy. QSX 12112 kHz  
Unid Bulgarian embassy wkg MFA Sofia. WSX 12105 kHz  
MFA Sofia wkg unid embassy  
MFA Sofia wkg unid embassy. QSX 12112 kHz  
Unid Bulgarian embassy wkg MFA Sofia. WSX 12105 kHz  
MFA Sofia wkg unid embassy

#### **Schedukes compiled by VSh**

April ~ October

0730z 12228 kHz  
0740z 9045 kHz <> 9070 kHz  
0809z 12156 kHz <> 12163 kHz  
0825z 14786 kHz <> 14796 kHz (Unid)  
0838z 14468 kHz  
0838z 14948 kHz  
1028z 18515 kHz  
1030z 16038 kHz <> 16045 kHz  
1036z 12156 kHz <> 12163 kHz  
1100z 12221 kHz <> 12226 kHz  
1200z 16035 kHz <> 16045 kHz  
1230z 11030 kHz  
1230z 17440 kHz <> 17464 kHz (Unid)  
1300z 17442 kHz With carrier, from Sofia. <> 17461 kHz(?)  
1925z 14786 kHz <> 14796 kHz (Washington DC)  
2026z 14786 kHz <> 14796 kHz (Washington DC)

November ~ March

0843z 12160 kHz  
0909z 12156 kHz <> 12163 kHz (Algiers)  
1036z 16038 kHz <> 10645 kHz (Moscow)  
1100z 12105 kHz <> 12112 kHz  
1130z 12156 kHz  
1140z 12156 kHz <> 12163 kHz (London)  
1200z 12221 kHz <> 12226 kHz  
1230z 9050 kHz <> 9055 kHz  
1300z 13552 kHz  
1330z 11030 kHz  
1330z 17440 kHz  
1405z 11011 kHz  
1623z 8075 kHz <> 8175 kHz (Kyiv)  
2130z 9050 kHz <> 9060 kHz (Washington DC)  
2136z 9040 kHz

### ***Egypt***

17410 kHz, 04-11, 1450 UTC, CODAN-3012  
14445.7 kHz, 07-11, 0947 UTC, SITOR-A 100/170  
16217.7 kHz, 11-11, 0900 UTC, SITOR-A 100/170  
14444 kHz, 23-11, 1310 UTC, SITOR-A 100/170

Egyptian diplo  
Egyptian diplo i.p.  
Egyptian diplo i.p.  
Egyptian diplo i.p. traffic was sent in CODAN-3012

## North Korea

16252 kHz, 01-11, 0733 UTC  
19115 kHz, 01-11, 0832 UTC  
17450 kHz, 01-11, 0924 UTC  
12400 kHz, 01-11, 1230 UTC. QSX 11047 kHz  
11047 kHz, 01-11, 1230 UTC. QSX 12400 kHz  
14405 kHz, 01-11, 1359 UTC. QSX 14400 kHz  
14400 kHz, 01-11, 1359 UTC. QSX 14405 kHz  
17450 kHz, 01-11, 1522 UTC  
14444 kHz, 01-11, 1526 UTC  
10960 kHz, 02-11, 1217 UTC  
11047 kHz, 02-11, 1244 UTC  
12400 kHz, 02-11, 1308 UTC  
14500 kHz, 02-11, 1320 UTC  
16251 kHz, 03-11, 1245 UTC  
13115 kHz, 04-11, 0822 UTC  
16252 kHz, 08-11, 0812 UTC  
16870 kHz, 10-11, 0858 UTC  
16450 kHz, 10-11, 0858 UTC  
12116 kHz, 14-11, 0805 UTC  
16252 kHz, 15-11, 0733 UTC  
16675 kHz, 15-11, 1449 UTC

13966 kHz, 17-11, 0758 UTC  
12400 kHz, 21-11 0803 UTC  
16250 kHz, 22-11 1230 UTC. QSX 16252 kHz  
16252 kHz, 22-11 1230 UTC. QSX 16250 kHz  
16258 kHz, 22-11 1321 UTC  
16252 kHz, 23-11 0645 UTC  
11045 kHz, 23-11 0834 UTC  
13966 kHz, 24-11, 0801 UTC  
16252 kHz, 28-11, 1200 UTC  
12800 kHz, 29-11, 0649 UTC. QSX 12900 kHz  
12900 kHz, 29-11, 0649 UTC. QSX 12800 kHz  
16252 kHz, 29-11, 0652 UTC. QSX 15555 kHz  
15555 kHz, 29-11, 0652 UTC. QSX 16252 kHz  
13966 kHz, 29-11, 1308 UTC. QSX 11047 kHz  
11047 kHz, 29-11, 1428 UTC. QSX 13966 kHz  
10960 kHz, 29-11, 1447 UTC. QSX 11030 kHz  
11030 kHz, 29-11, 1447 UTC. QSX 10960 kHz  
12400 kHz, 30-11, 0637 UTC. QSX 12403 kHz  
12403 kHz, 30-11, 0637 UTC. QSX 12400 kHz  
16252 kHz, 30-11, 0655 UTC  
11045 kHz, 30-11, 0837 UTC

## Tunisia

13945 kHz, 07-11, 0845 UTC, Mil-STD-188-141A  
13945 kHz, 07-11, 0845 UTC, Mil-STD-188-141A  
13945 kHz, 07-11, 0845 UTC, Pactor-II

13945 kHz, 07-11, 0910 UTC, Pactor-II

16285 kHz, 29-11, Mil-STD-188-141A/USB  
16285 kHz, 29-11, Mil-STD-188-141A/USB  
16285 kHz, 29-11, Mil-STD-188-141A/USB

TU1 Tunisian embassy Paris clg STAT154: MFA Tunis  
STAT154: MFA Tunis clg TU1 Tunisian embassy Paris followed by encrypted email  
MFA Tunis encrypted mail to Tunisian embassy Paris: IPM.Note mail.hse  
DEFAULT@#HFARQ#STAT154 DEFAULT@#HFARQ#STAT154 HFARQ#STAT1  
20221107094255:DEFAULT@  
STAT154: MFA Tunis encrypted mail to STAT2: Tunisian embassy Berlin:  
IPM.Note mail.hse DEFAULT@#HFARQ#STAT154 DEFAULT@#HFARQ#STAT154  
HFARQ#STAT2 20221107100504:DEFAULT  
STAT11: unid embassy clg STAT155: MFA Tunis  
STAT155 MFA Tunis clg STAT11  
STAT5 unid embassy clg STAT154: MFA Tunis

## Russia

15687 kHz, 01-11, 0930 UTC, MFSK-6  
20336 kHz, 01-11, 0941 UTC, MFSK-6  
14358 kHz, 01-11, 0944 UTC, MFSK-6  
17420 kHz, 01-11, 1014 UTC, MFSK-66  
17420 kHz, 01-11, 1030 UTC, MFSK-66  
13411 kHz, 01-11, 0910 UTC, MFSK-6  
12157 kHz, 01-11, 0917 UTC, MFSK-6  
13401 kHz, 01-11, 0923 UTC, MFSK-66  
14358 kHz, 01-11, 0942 UTC, MFSK-6  
20336 kHz, 01-11, 0940 UTC, MFSK-6  
17422 kHz, 01-11, 1012 UTC, MFSK-66  
16188 kHz, 01-11, 1151 UTC, MFSK-6  
18196 kHz, 01-11, 0914 UTC, MFSK-66  
17445 kHz, 02-11, 0930 UTC, MFSK-6  
14475 kHz, 03-11, 0729 UTC, Serdolik v2  
16113 kHz, 03-11, 0732 UTC, Serdolik V2  
20837 kHz, 03-11, 0922 UTC, MFSK-6  
20627 kHz, 03-11, 0935 UTC, MFSK-6  
10837 kHz, 03-11, 0920 UTC, MFSK-6  
14595 kHz, 06-11, 0703 UTC, MFSK-6

MFA Moscow clg 154263: Russian embassy Rome  
MFA Moscow clg 246531: Russian embassy Accra  
MFA Moscow clg 154263: Russian embassy Rome  
Russian diplo  
Russian diplo  
MFA Moscow clg 165423: Russian embassy Brussels  
MFA Moscow clg 165423: Russian embassy Brussels  
Russian diplo.  
MFA Moscow clg 154263: Russian embassy Rome  
MFA Moscow clg 246531: Russian embassy Accra  
Russian diplo  
MFA Moscow clg 325614: Russian embassy Nairobi  
Russian diplo  
MFA Moscow clg 362154: Russian embassy Athens  
Russian diplo. Test  
Russian diplo  
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City  
MFA Moscow clg 436512: Russian embassy Harare  
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City  
MFA Moscow clg 452163: Russian embassy Kabul

12122 kHz, 07-11, 0805 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
14878 kHz, 07-11, 0830 UTC, MFSK-66	Russian diplo
14377 kHz, 07-11, 0804 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
13395 kHz, 07-11, 0929 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
16255 kHz, 08-11, 0810 UTC, MFSK-66	Russian diplo
17523 kHz, 08-11, 0817 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
20813 kHz, 08-11, 1012 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20816 kHz, 08-11, 1013 UTC, Serdolik v2	Russian diplo
11071 kHz, 08-11, 0751 UTC, Serdolik v2	Russian diplo
14830 kHz, 08-11, 0752 UTC, Serdolik v2	Russian diplo
13420 kHz, 08-11, 0757 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
13510 kHz, 08-11, 1006 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
18177 kHz, 09-11, 0735 UTC, MFSK-66	Russian diplo
16062 kHz, 10-11, 0807 UTC, Serdolik v2	Russian diplo
14668 kHz, 10-11, 0811 UTC, Serdolik v2	Russian diplo
14550 kHz, 10-11, 0819 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
16223 kHz, 10-11, 0950 UTC, MFSK-6	MFA Moscow clg 164532: Russian embassy Dublin
12177 kHz, 11-11, 0935 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
9357 kHz, 11-11, 0930 UTC, MFSK-66	Russian diplo. QSX 9357 kHz
10431 kHz, 11-11, 0930 UTC, MFSK-66	Russian diplo. QSX 10431 kHz
9286 kHz, 11-11, 0943 UTC, MFSK-66	Russian diplo
15710 kHz, 13-11, 1134 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
13467 kHz, 14-11, 1238 UTC, MFSK-6	MFA Moscow clg 364152: Russian embassy New Delhi
17427 kHz, 15-11, 1127 UTC, Serdolik v2	Russian diplo
17421 kHz, 15-11, 1134 UTC, Serdolik v2	Russian diplo
17419 kHz, 15-11, 1136 UTC, Serdolik v2	Russian diplo
16190 kHz, 15-11, 0836 UTC, MFSK-66	Russian diplo
14376 kHz, 15-11, 0831 UTC, MFSK-66	Russian diplo
11462 kHz, 15-11, 0902 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels
8003 kHz, 15-11, 0905 UTC, MFSK-66	Russian diplo
15943 kHz, 15-11, 0918 UTC, MFSK-66	Russian diplo
14358 kHz, 15-11, 0925 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
14801 kHz, 15-11, 0929 UTC, MFSK-66	Russian diplo
20336 kHz, 15-11, 0933 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
11010 kHz, 15-11, 0910 UTC, MFSK-66	Russian embassy Brussels
20333 kHz, 15-11, 0915 UTC, MFSK-66	Russian diplo
14356 kHz, 15-11, 0918 UTC, MFSK-66	Russian diplo
14801 kHz, 15-11, 0918 UTC, MFSK-66	Russian embassy Rome
18521 kHz, 15-11, 1147 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
17419 kHz, 15-11, 1154 UTC, Serdolik v2	Russian diplo
16115 kHz, 16-11, 1103 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
20175 kHz, 17-11, 0939 UTC, MFSK-66	Russian diplo. QSX 16340 kHz
16340 kHz, 17-11, 0947 UTC, MFSK-66	Russian diplo. QSX 20175 kHz
13394 kHz, 17-11, 1103 UTC, MFSK-66	Russian diplo
17468 kHz, 17-11, 1330 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
16275 kHz, 17-11, 1338 UTC, MFSK-66	Russian diplo
11572 kHz, 17-11, 1338 UTC, MFSK-13	Russian diplo
18322 kHz, 18-11, 1021 UTC, Serdolik v2	Russian diplo
12194 kHz, 18-11, 1034 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
13868 kHz, 18-11, 1304 UTC, MFSK-66	Russian diplo
11638 kHz, 21-11, 0802 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
12152 kHz, 21-11, 0848 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11071 kHz, 22-11, 0750 UTC, Serdolik v2	Russian diplo
16305 kHz, 22-11, 0814 UTC, OFDM-112	Russian diplo. QSX 16310 kHz
16310 kHz, 22-11, 0815 UTC, OFDM-112	Russian diplo. QSX 16305 kHz
16257 kHz, 22-11, 0815 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
16235 kHz, 22-11, 0820 UTC, MFSK-66	Russian diplo
14939 kHz, 22-11, 0825 UTC, MFSK-66	Russian diplo
13510 kHz, 22-11, 1010 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
11132 kHz, 22-11, 1558 UTC, OFDM-112	Russian diplo
11071 kHz, 22-11, 0750 UTC, Serdolik v2	Russian diplo
14830 kHz, 22-11, 0750 UTC, Serdolik v2	Russian diplo
14830 kHz, 22-11, 0754 UTC, Serdolik v2	Russian embassy Baghdad

13420 kHz, 22-11, 0759 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
13964 kHz, 22-11, 1003 UTC, Serdolik v2	Russian diplo
20813 kHz, 22-11, 1012 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
9053 kHz, 23-11, 0710 UTC, Serdolik v2	Russian diplo
11483 kHz, 23-11, 0834 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
5112 kHz, 23-11, 1417 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
10476 kHz, 24-11, 0938 UTC, MFSK-66	Russian diplo
16223 kHz, 24-11, 0943 UTC, MFSK-6	MFA Moscow clg 164532: Russian embassy Dublin
11635 kHz, 24-11, 0947 UTC, MFSK-66	Russian diplo
10478 kHz, 24-11, 0947 UTC, MFSK-66	Russian diplo
17431 kHz, 25-11, 1050 UTC, MFSK-66	Russian diplo
12177 kHz, 25-11, 0957 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
12204 kHz, 25-11, 1005 UTC, MFSK-66	Russian diplo
13471 kHz, 25-11, 1005 UTC, MFSK-66	Russian diplo
10525 kHz, 25-11, 1048 UTC, PSK+OFDM-121	Russian diplo
13441 kHz, 25-11, 1058 UTC, PSK+OFDM-121	Russian diplo
14933 kHz, 27-11, 1035 UTC, Serdolik v2	Russian diplo
10963 kHz, 27-11, 1037 UTC, Serdolik v2	Russian diplo
12144 kHz, 27-11, 1040 UTC, Serdolik v2	Russian diplo
12096 kHz, 27-11, 1044 UTC, Serdolik v2	Russian diplo
13895 kHz, 27-11, 1048 UTC, Serdolik v2	Russian embassy Algiers
12096 kHz, 27-11, 1107 UTC, Serdolik v2	Russian diplo
15810 kHz, 27-11, 1109 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
13895 kHz, 27-11, 1114 UTC, Serdolik v2	Russian embassy Algiers
13517 kHz, 28-11, 0934 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
20690 kHz, 28-11, 0827 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
10525 kHz, 28-11, 1118 UTC, PSK+OFDM-121	Russian diplo
16310 kHz, 29-11, 0822 UTC, OFDM-112	Russian diplo
13441 kHz, 29-11, 1132 UTC, PSK+OFDM-121	Russian diplo

## U.S.A.

8058.6 kHz, 03-11, 0849 UTC, Mil-STD-188-141A	KXV45: US embassy, Rome clg KWA43: US Consulate General Milan
8058.6 kHz, 03-11, 0902 UTC, Mil-STD-188-141A	KXV45: US embassy, Rome clg KXV44: US Consulate General Naples
8058.6 kHz, 03-11, 0906 UTC, Mil-STD-188-141A	KWX90: US embassy Dublin clg KWT49: US Consulate General Amsterdam
8058.6 kHz, 03-11, 0906 UTC, Mil-STD-188-141A	KWT49: US Consulate General Amsterdam clg KWX90: US embassy Dublin
8058.6 kHz, 03-11, 0915 UTC, Mil-STD-188-141A	KWY23: US Consulate General Belfast clg KWX90: US embassy Dublin
8058.6 kHz, 03-11, 0915 UTC, Mil-STD-188-141A	KWX90: US embassy Dublin clg KWY23: US Consulate General Belfast
8058.6 kHz, 03-11, 0919 UTC, Mil-STD-188-141A	KWX90: US embassy Dublin clg KWX91: US Consulate General Edinburgh
8058.6 kHz, 03-11, 0920 UTC, Mil-STD-188-141A	KWX91: US Consulate General Edinburgh clg KWX90: US embassy Dublin
8058.6 kHz, 03-11, 0948 UTC, Mil-STD-188-141A	KWX90: US embassy Dublin clg KWX93: US embassy Reykavik
8058.6 kHz, 03-11, 0959 UTC, Mil-STD-188-141A	KWX90: US embassy Dublin clg KJB33: US Mission to NATO, Brussels
8058.6 kHz, 04-11, 1043 UTC, Mil-STD-188-141A	KWB48: RIMC, Frankfurt clg KWA37 US Permanent Mission Geneva
8058.6 kHz, 07-11, 1429 UTC, Mil-STD-188-141A	KWB48: RIMC, Frankfurt clg KWP95: unid DoS station

## EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

**Frequencies: 4724, 8992, 11175, 15016 kHz.**

Date	UTC	Callsign	Details
18-11	1801	Retaliate	30 chr EAM for Backend 888800 181754AAEEGGKKNXXZZ8888
18-11	1837	Retaliate	30 chr EAM 888800 181831AAEEGGKKNXXZZ8888
19-11	0003	Marigold	37 chr EAM V55B3C DVQS6SW36YX4CS326Y4UGZKKKEXQMRO
19-11	0130	Marigold	39 chr EAM V5EKWA A7OEQSPORZG4QO7PFPORHSUK2VZ4QHALQ
19-11	0200	Marigold	30 chr EAM V5LPUZ GTENDEAPSRBIZJQQFCSZBR35
19-11	0213	Marigold	30 chr EAM GFX25O D2IXCD7E4D3VTVSH4UR7FJKP
22-11	1534	Finnigan	30 chr EAM GFVUO6 W6YUCCVOK434OFSY43MTNXPH
22-11	1538	Finnigan	30 chr EAM V57X57 A3Q4PNE6NTASE6RDZPCFB4KN
22-11	1650	Finnigan	30 chr EAM 888800 221650AAEEGGKKNXXZZ8888
22-11	1734	Finnigan	59 chr EAM V53GIZ IL6G4IGFGOTTOC4FSVITLG4MKJTKLLWTOC4FSVITXZ6RDZTKB2LC
22-11	1932	Finnigan	30 chr EAM GFOCON KFTV6NQH7CEZSY43SEOCIS7D

22-11	2037	Finnigan	30 chr EAM GFGEDH NAFMX4QIFUVBB2CJODZAW6UY
22-11	2148	Finnigan	30 chr EAM for Karen-48 V5LDJZ KI2OOYHZLIWXONFZJD2R2F3B
22-11	2218	Finnigan	30 chr EAM GFKMU3 UDNUU3NHBLNWL6DO3JYGFUCI
23-11	0052	Policeman	30 chr EAM GF7P52 SCKB5GZCXL54EUC3XFUK7STJ
23-11	0057	Policeman	30 chr EAM GF3ESH SXIOB4JGDHFE5J2KRJDL3WYP
23-11	0100	Policeman	30 chr EAM GFNHYB DCTWQIQ5IFCELBETZQ5CU6QD
23-11	1147	Policeman	120 chr EAM PD2BK2 JTGQIT3VOKAG45SJ2SGVQGNNG5ESQSABMWVVVFSAHWJU3J7K6T6T 6BPLLLLOWRK2AWS26WCMCOHKQPPPCUQZGUNI775WXWEXCYBBB45SKFZHBI
23-11	1629	Policeman	30 chr EAM GF2K2J AAU7AAKB3UBZEPDZF5QSMRG
23-11	1653	Policeman	30 chr EAM for Trent-34 V5UASX MNRTVVYCCRLRTVTQ5SFR2RFOH
23-11	1719	Policeman	30 chr EAM GFQJBT 4TVBVQI6YLNH2RK6BFFCTJNX
23-11	1833	Policeman	30 chr EAM V52Q3L S6IWNRNZALQXO55VD5EJOKBK
23-11	1848	Policeman	24 chr EAM V5JTC2 AYN3KOH3IEHSY2EJB3
23-11	1947	Policeman	16 chr EAM V5RUBZ M2JHBL4RUX
23-11	2042	Policeman	30 chr EAM GFFDC6 VUTSVT2GLDSXEVSPIDIPRQHT
23-11	2044	Policeman	30 chr EAM GFMFOT LZL5RYY6VGOSAE63OLPDCR3O
23-11	2100	Policeman	30 chr EAM GFFDC6 VUTSVT2GLDSXEVSPIDIPRQHT
23-11	2103	Policeman	30 chr EAM GFBXLM ONLSHE3BAYINB4JD35BILKP3
23-11	2105	Policeman	30 chr EAM GFFDC6 VUTSVT2GLDSXEVSPIDIPRQHT
23-11	2108	Policeman	30 chr EAM GFMFOT LZL5RYY6VGOSAE63OLPDCR3O
23-11	2044	Policeman	30 chr EAM

## CLANDESTINE / TARGETED RADIO & JAMMERS

### Russian-Ukrainian Radio War

The Russian national anthem is broadcasted daily by a pirate station between ca 0400 and 0500 UTC often on several frequencies at the same time. The transmissions were heard on 5500, 7700, 8001, 9041, 9900 and 10200 kHz USB.

9041 kHz, 14-11, 0430 UTC, USB	Russian national anthem loop transmission
4625 kHz, 14-11, 1718 UTC, USB	Buzzer trolled by pirates. Music on top of the Buzzzer
7055 kHz, 14-11, 1721 UTC, LSB	Ukrainian propaganda and music on top of each other
9041 kHz, 15-11, 0430 UTC, USB	Russian national anthem loop transmission
7050 kHz, 15-11, 1355 UTC, LSB	Ukrainian war songs
7055 kHz, 15-11, 1355 UTC, LSB	Russian-Ukrainian radio war
7060 kHz, 15-11, 1355 UTC, LSB	Russian-Ukrainian radio war
9041 kHz, 16-11, 0430 UTC, USB	Russian national anthem loop transmission
9041 kHz, 17-11, 0430 UTC, USB	Russian national anthem loop transmission
7700 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
8001 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
9001 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
9041 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
9900 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
10200 kHz, 18-11, 0442 UTC, USB	Russian national anthem loop transmission
5500 kHz, 23-11, 0425 UTC, USB	Russian national anthem loop transmission

### Target China

9050//11590 kHz, 14-11, 1715 UTC      Radio Free Asia. Program in Chinese. Heavily jammed

## UTILITY ROUND-UP

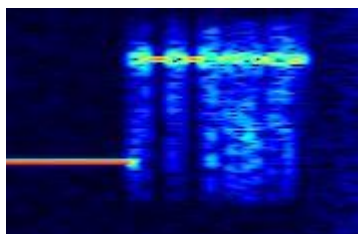
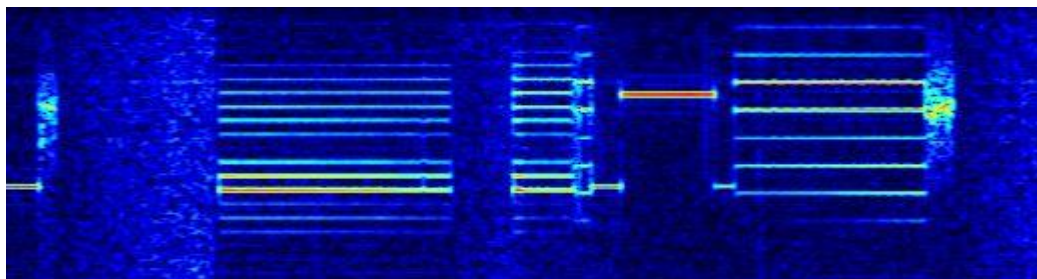
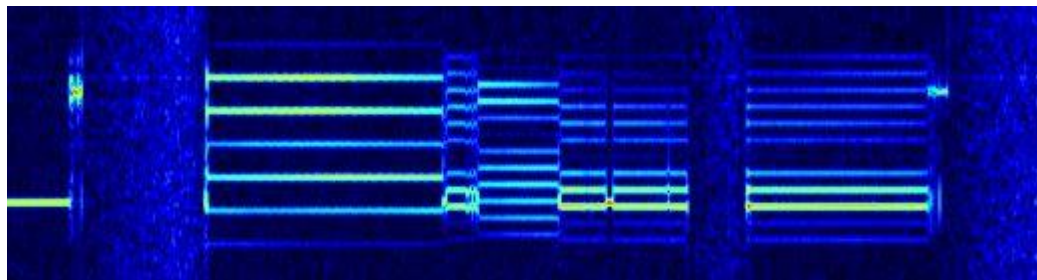
### Unid sations

14360 kHz, 24-09, 1500 UTC

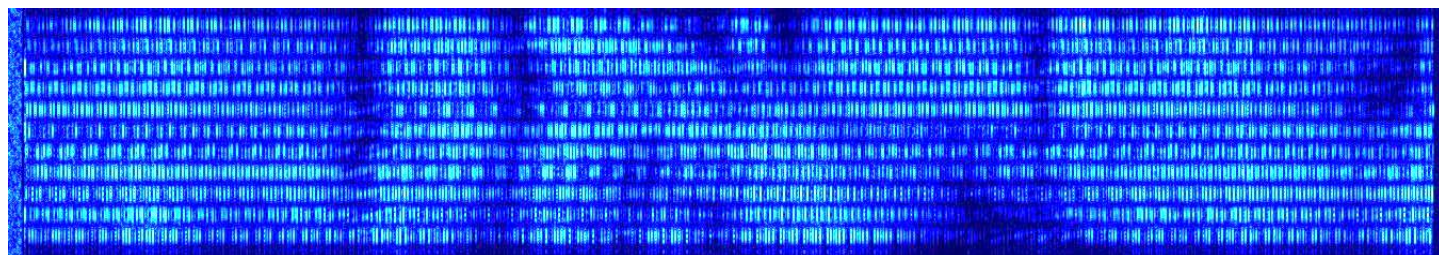
14360 kHz, 01-11, 1000 UTC

Weird station that sends strings of letters. He uses only 6 letters. It seems to be a looped tape. One of the message ended with HALLO CQ. Sometimes he says something in Italian. According to some people he Italian. The station is often on that frequency at different times, but always with the same weird strings.

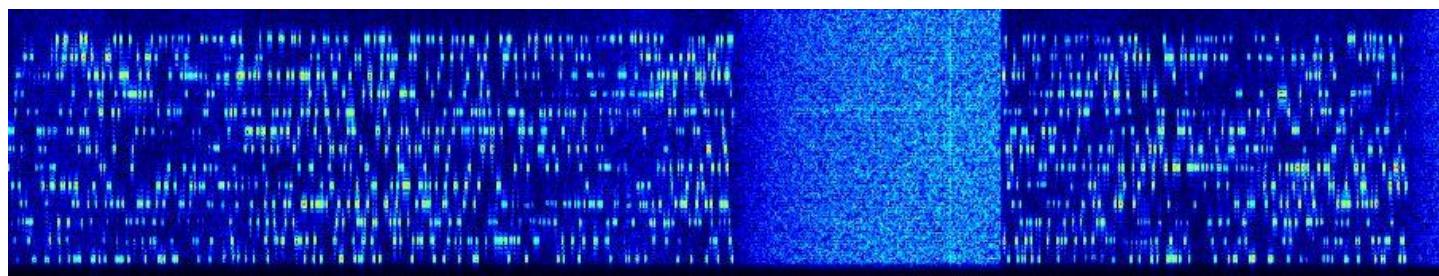




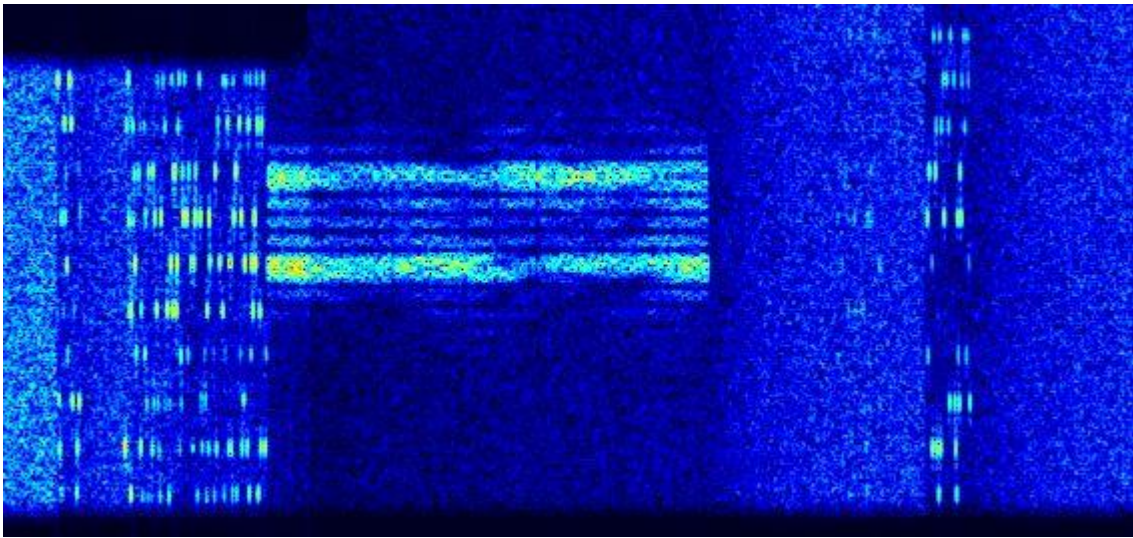
8088 kHz, 16-11, 1740 UTC, MFSK-11 125Bd/250Hz	Russian net
8088 kHz, 16-11, 1750 UTC, MFSK-11 125Bd/250Hz	Russian net
18376 kHz, 30-11, 1130 UTC, MFSK-11 125Bd/250Hz	Russian net
18376 kHz, 30-11, 1140 UTC, MFSK-11 125Bd/250Hz	Russian net
18376 kHz, 30-11, 1150 UTC, MFSK-11 125Bd/250Hz	Russian net
18376 kHz, 30-11, 1200 UTC, MFSK-11 125Bd/250Hz	Russian net



5165 kHz, 18-11, 1449 UTC, MFSK-13



4332 kHz, 18-11, 1453 UTC, FSK intro/MFSK-13



**5373 kHz, 26-11, 0657 UTC, CW**  
Unid station sending 53 53 53  
After 30 secs: 53 53  
and at 0659z: LSN LSN 53 53

***RUSSIAN MILITARY TRANSCRIPTS***

***Monolith stations***

**Channel markers**

- 3243 kHz, 26-11,1818 UTC Goose
- 3364 kHz, 26-11,1818 UTC Squeaky Wheel
- 3756 kHz, 26-11,1818 UTC Pip
- 4182 kHz, 26-11,1819 UTC Dash
- 4625 kHz, 26-11,1819 UTC Buzzer
- 4930 kHz, 26-11,1819 UTC Air Horn
- 4770 kHz, 26-11,1819 UTC Alarm

***Morse transmissions***

**Russian Military morse traffic**

**10665 kHz, 03-11, 1026 UTC**  
RDL RDL RDL 38140 60099 38140 60099 38140 60099 K

**13996 kHz, 03-11, 0905 UTC**  
VVV VVV VVV 3PT8 3PT8 3PT8 QTC AR  
3PT8 3PT8 3PT8 QTC AR  
3PT8 3PT8 3PT8 QTC AR  
3PT8 3PT8 3PT8  
227 34 1205 227 = ZLN 275 = 5LG message ends with PEPEP 983 K

**4619.5 kHz, 19-11, 0600 UTC**  
VVV RJD99 RJD99 RJD99 UCZA9 QSA? K  
VVV RJD99 RJD99 RJD99 DE UCZA9 UCZA9 QSA? QTC K  
UCZA9 545 14 19 0800 545 =  
FOR RJD99 =  
00883 01160 06622 04148 00220 00009 04402 02122 00220 00007 00002 000010 19012 = AR UCZA9 K  
UCZA9 RPT 00009 K  
OK QRU K

**12152 kHz, 21-11, 0823 UTC**

883 22 21 1117 883 = 258 =  
12039 49694 90488 31282 68938 12870 50526 88181 32114 60631  
10564 48220 89013 29808 67463 11396 49051 92983 30639 71433  
21020 K

W2GY 769 20 21 1136 069 = 258 =  
13059 50714 88370 32302 69958 10752 48408 89201 29096 67652  
11584 52378 93171 33966 71621 12416 56347 97141 21018 =  
283 22 23 1138 283 = 258 =  
PPPPP 5LG message

Russian Navy morse traffic
----------------------------

**8345 kHz, 25-12, 1210 UTC**

VVV RIT RIT RIT DE RCRQ RCRQ QSA? QTC K  
RCRQ 631 16 25 50631 = FOR RJH82 RIF4 =  
35121 99686 10638 41/98 33214 11830 40283 54000 70113 835// 22270 0///// 20403 25033 = AR RCQR  
RCRQ OK QRU K

**8345 kHz, 25-12, 1552 UTC**

VVV RIT RIT RIT DE RCRQ RCRQ QSA? QTC K  
RCRQ 8 87 4 25 1845 887 = SML = 78092 51830 25002 = AR RCRQ K  
RCRQ OK QRU K

**8345 kHz, 26-11, 0855 UTC**

**RMIK Russian spy ship Admiral Vladimirskiy wkg RMP: Russian navy Kaliningrad**

VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K

**8345 kHz, 26-11, 0918 UTC**

VVV RIT RIT RIT DE RMIK RMIK QSA ? QTC K  
RMIK 183 17 26 1202 183 = SML FOR RD88 RIO80 =  
26091 99546 10150 42698 62503 10065 40243 52041 86570 22211  
00096 20000 88000 26013 = AR RMIK K  
RMIK OK QRU K

**8345 kHz, 26-11, 1203 UTC**

VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RIT RIT RIT DE RMIK RMIK QSA ? QTC K  
RMIK 216 20 26 1501 216 = SML FOR RD88 RIO80 =  
26121 99549 10159 41597 62807 10073 40252 52009 71552 86370  
22213 00101 20201 332// 40301 88005 55516 = AR RMIK K  
RMIK OK QRU K

**8345 kHz, 26-11, 1412 UTC**

VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
RMIK 830 42 26 1605 830 = FOR RD88 RIO80 = KKHH  
26112 1200/ 75458 01603 88881 20000 30947 40575 20005 30933  
40574 20010 37547 40578 20015 30956 40579 20020 30950 40579  
20026 30831 40619 20030 30864 40863 20036 31092 41039 20049  
31264 41095 20050 31041 41102 20958 31010 41155 26039 = AR RMIK K  
RMIK RPT K  
RMIK OK QRU K



**8345 kHz, 26-11, 1504 UTC**

VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K  
VVV RIT RIT RIT DE RMIK RMIK QSA ? QTC K  
RMIK 729 18 26 1801 729 = SML FOR RCD88 RIO80 =  
26151 99550 10164 41597 83306 10074 40258 52006 71552 8637/  
22212 00101 20201 88000 26014 = AR RMIK K  
RMIK RPT K  
RMIK RPT K  
RMIK RPT 729 18 26 1801 729 K  
RMIK RPT 729 18 26 1801 729 K  
RMIK RPT 26151 99550 10164 41597 83306 10074 40258 52006 71552 8637/ 22212 00101 20201 8000 26014 K  
RMIK RPT K  
RMIK RPT 41597 K  
RMIK RPT 00101 K  
RMIK OK QRU K

**Russian Navy T600 transmissions****570 kHz, 26-11, 1934 UTC, T600 50/250. Odd MW frequency**

SYNC 0X1EB41EB2952

SESSION KEY 70 46 23 4C 46 51 31 19 68 2A 64 34 15 64 1C 70 25 0B 70 0D 25 23 15 0B 58 13  
2A 13 70 0E 54 0B 62 61 64 43 15 68 0D 2A 38 0D  
58 1C 13 34 4A 2C 58 38 1A 58 46 26 23 38 61 25  
62 31 68 52 07 2A 4A 07 70 1C 70 2C 1A 1C 13 31  
54 23 2A 26 68 43 4A 52 58 1C 58 1C 68 54 0E 16  
4A 16 43 32 46 68 1A 61 58 54 58 25 2C 13 15 23  
58 51 1C 07 07 64 2C 4A 07 38 15 23 64 1C 32 4C  
31 32 52 0E 52 07 62 2A 43 2C 64 46 25 58 61 0E  
54 4C 0B 43 68 2C 25 54 64 0E 54 64 1C 07 31 43  
52 13 54 07 19 07 2A 52 25 32 38 19 2C 4A 38 07  
38 38 19 25 4A 23 07 13 13 70 51 54 2C 19 43 51  
32 1A 1A 2C 13 13 70 26 07 70 23 4A 38 38 1C 19  
68 13 70 15 38 70 4A 61 19 13 58 70 4A 4C 58 16  
07 43 13 51 16 64 52 58 51 43 26 31 68 1A 54 13  
61 1A 19 07 16 16 52 52 4A 64 58 62 62 0B 4C 16  
34 34 15 13 0B 1C 4C 07 23 13 15 26 0D 31 4C 16  
34 4A 46 1A 31 51 25 58 32 51 16 0E 34 1A 4A 68  
1C 32 13 15 13 46 51 0B 4C 07 70 64 19 15 31 62  
2C 07 31 46 15 58 16 38 25 31 64 70 46 58 52 25  
64 4A 46 68 0E 32 62 46 62 16 4A 13 51 0E 16 68  
70 58 25 51 52 54 4C 46 4A 46 15 07 0D 61 4A 32  
58 4C 31 52 51 4C 0B 38 4C 32 64 43 0E 32 23 34  
34 26 4A 68 1C 68 68 0E 4C 38 61 15 19 58 46 54  
0B 62 1C 15 19 1C 0D 68 0B 64 2C 43 13 51 23 31  
70 23 43 25 51 31 15 54 2C 4A 61 38 19 13 0B 4C  
19 51 31 26 31 58 1C 15 34 16 0E 31 54 19 64 68  
19 4A 51 52 1A 51 19 62 46 19 1A 62 13 1A 43 32  
64 32 64 13 1C 58 32 4A 4A 0D 34 0E 16 23 43 26  
2C 61 1C 0E 19 0B 19 25 46 19 52 54 15 2A 0D 0D  
51 38 1C 0E 19 46 34 2C 15 58 1C 0D 34 26 43 4C  
2A 16 25 4C 68 0E 4A 23 1A 58 64 25 19 1A 07 4C  
2C 0D 26 43 58 43 62 0D 2C 16 61 54 58 1C 0E 2C  
51 0D 32 46 0E 0D 19 2C 1A 13 46 19 46 70 52 34  
34 52 25 68 19 0E 07 34 2A 68 70 54 26 51 2A 4C  
62 31 43 38 68 4C 68 1A 51 4C 0E 68 0E 1A 19 70  
4C 26 15 43 51 1C 16 1A 25 2A 2A 70 52 19 31 2A  
16 70 62 0B 51 1C 34 0E 4A 32 07 34 23 0D 62 64  
70 64 19 54 26 62 54 2A 31 70 2C 31 34 1C 43 43  
0D 52 68 51 13 38 62 4C 58 13 2C 34 31 19 25 1C  
07 58 15 07 68 32 38 15 64 15 0B 4A 58 0D 64 23  
2A 54 58 2C 25 0E 70 52 68 07 16 0E 0B 25 0E 34  
0B 62 34 19 16 07 52 70 19 15 07 25 23 25 52 51  
07 46 4C 23 0E 1C 07 25 61 0B 62 0D 15 13 38 25  
4C 4A 31 34 26 58 13 43 64 1C 1A 32 1A 68 32 0B  
16 43 43 0B 13 07 2A 34 58 31 58 19 15 1C 16 38

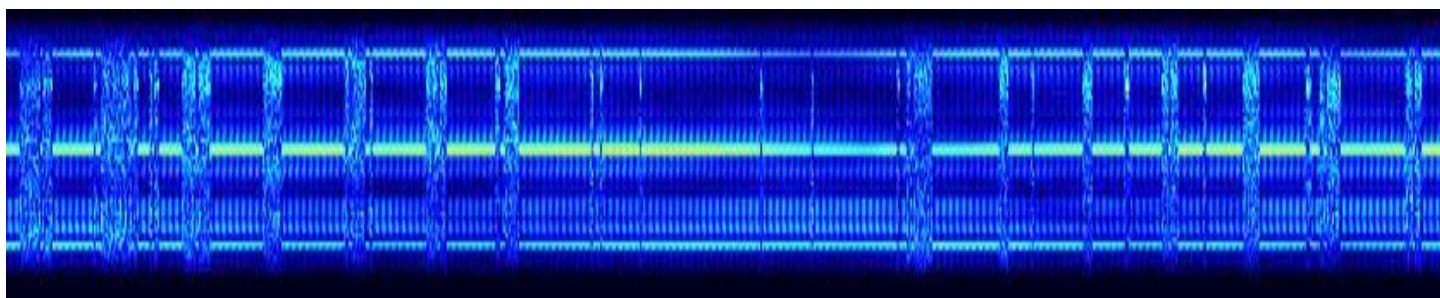
4C 2A 61 07 2A 19 26 68 26 4A 2C 43 46 0D 1C 54  
26 52 0E 38 61 0E 4A 0B 64 25 4C 68 0E 13 70 43  
13 32 13 54 31 31 0E 16 25 43 2C 68 54 1C 58 16  
07 54 16 4C 52 51 0E 2C 0D 43 58 2C 2A 58 23 38  
4A 15 58 54 0D 4C 0E 62 2A 4C 15 61 52 2C 16 19  
32 26 43 31 4A 31 52 0B 58 25 1C 64 34 26 07 13  
1C 31 1A 25 4A 15 4C 13 58 43 68 16 26 1C 38 16  
64 61 0D 61 68 54 25 54 64 16 31 46 31 07 43 64  
0B 2A 23 1A 4A 13 4C 54 0D 16 32 25 46 58 13 16  
16 23 43 64 4C 64 0D 0E 31 61 13 1C 43 0E 16 32  
0E 4C 51 13 26 58 1C 43 54 32 61 68 2A 46 4A 2A  
1C 31 32 16 58 2A 19 64 58 64 52 46 16 61 2C 0B  
51 <EOM><EOM><EOM>

20:42:11 MESSAGE START

SYNC 1EB41EB2952

SESSION KEY 62 2C 54 68 16 43 31 4C 19 16  
70 0B 4C 62 2A 2A 2A 25 0D 25 0B 0D 58 38 43 0E  
23 58 70 51 2A 54 58 58 31 2C 19 64 52 70 58 46  
4C 4A 51 0E 0D 54 1C 2A 46 15 26 70 62 52 61 52  
34 2A 26 61 26 32 2C 61 1C 43 0B 26 13 51 58 1A  
2A 32 4C 07 38 26 46 25 16 46 1C 4C 70 34 64 07  
1C 13 64 32 15 68 43 51 43 4A 2C 61 31 46 15 1C  
23 43 16 1A 1C 31 2A 26 54 68 34 19 62 15 46 43  
70 68 0D 54 1A 64 32 26 0B 19 25 13 2C 58 4C 07  
58 2C 26 0D 52 61 70 62 70 58 15 38 31 51 32 15  
2A 32 07 64 34 70 62 54 38 4C 64 54 38 46 07 23  
23 64 0D 13 2A 61 54 52 2A 07 0B 16 1A 46 1A 46  
23 4C 68 46 0E 26 32 1A 64 38 68 52 64 2A 26 61  
0B 32 2A 70 19 19 32 1A 1C 15 51 46 4A 38 2C 54  
19 38 2A 70 13 4C 51 0B 54 43 61 2A 31 62 25 19  
54 0D 68 1C 23 58 70 61 54 26 26 64 2C 1A 0D 32  
31 15 31 15 64 4A 25 19 16 34 34 31 32 15 34 26  
2A 31 61 2A 25 23 15 4A 38 0B 0D 26 34 34 46 31  
64 23 19 61 4A 0B 07 4A 0D 61 68 34 23 0D 0D 54  
13 51 58 4A 26 16 23 54 34 4A 31 32 34 32 0D 32  
23 61 0E 25 31 26 54 26 70 19 52 62 52 19 2A 68  
52 58 0D 19 4A 07 54 58 68 70 26 13 23 51 1C 61  
26 0E 0B 0E 4A 13 16 1C 4A 2A 1C 52 70 64 68 4A  
52 38 61 16 1A 25 43 0B 1C 0D 19 2C 58 19 4C 1C  
70 38 58 26 2A 58 0B 64 34 26 51 52 07 13 32 07  
70 07 34 19 70 46 43 26 25 70 2C 52 54 43 13 58  
46 13 1A 0E 38 51 0D 4C 32 38 1C 19 32 2A 13 1C  
68 15 70 46 23 1C 16 1A 46 62 25 0E 4A 4A 23 1A  
2A 19 31 64 2A 38 2C 1A 4A 58 4A 13 31 2A 31 19  
1A 19 1C 13 70 1C 16 4C 2C 70 62 58 19 19 46 38  
19 38 31 19 4A 61 34 54 07 4A 25 19 25 32 1A 25  
1C 4C 13 1A 15 32 07 31 16 15 1A 4A 58 46 58 38  
52 23 51 4A 2C 19 16 64 54 0E 25 25 1C 1A 4C 4C  
31 58 58 4A 0E 58 13 34 15 62 23 4A 46 2A 26 4A  
1A 46 4C 15 61 61 1C 52 70 43 1A 0D 31 31 46 4A  
1C 54 19 25 23 19 64 58 68 43 19 43 07 16 15 43  
38 61 62 4C 23 16 13 2A 64 2A 54 32 19 0D 19 4A  
0E 54 64 0B 64 4A 16 15 61 31 15 1C 38 54 13 4C  
34 70 13 34 34 4C 0E 19 54 16 43 4A 52 1C 61 70  
1C 2A 15 58 31 23 64 15 4C 58 23 07 07 2A 0B 1C  
62 4C 0B 61 31 1C 26 64 4A 0E 0D 1C 62 1A <EOM><EOM><EOM>

5390 kHz, 14-11, 1736 UTC, Akkord 1200Bd/800  
5390 kHz, 16-11, 1734 UTC, Akkord 1200Bd/800  
3213 kHz, 16-11, 1734 UTC, Akkord 1200Bd/800  
7710 kHz, 19-11, 0738 UTC, Akkord 1200Bd/800  
7720 kHz, 19-11, 0738 UTC, Akkord 1200Bd/800  
5390 kHz, 22-11, 1712 UTC, Akkord 1200Bd/800  
3213 kHz, 23-11, 1750 UTC, Akkord 1200Bd/800  
5420 kHz, 25-11, 1704 UTC, Akkord 1200Bd/800  
5430 kHz, 25-11, 1704 UTC, Akkord 1200Bd/800  
3550 kHz, 25-11, 1841 UTC, Akkord 1200Bd/800  
4415 kHz, 25-11, 1841 UTC, Akkord 1200Bd/800  
4419 kHz, 25-11, 1910 UTC, Akkord 1200Bd/800  
4430 kHz, 25-11, 1910 UTC, Akkord 1200Bd/800  
3550 kHz, 26-11 1736 UTC, Akkord 1200Bd/800  
4460 kHz, 26-11 1736 UTC, Akkord 1200Bd/800  
4419 kHz, 26-11, 1816 UTC, Akkord 1200Bd/800  
4515 kHz, 27-11, 1730 UTC, Akkord 1200Bd/800  
4140 kHz, 27-11, 1730 UTC, Akkord 1200Bd/800  
3550 kHz, 27-11, 1816 UTC, Akkord 1200Bd/800  
4160 kHz, 27-11, 1904 UTC, Akkord 1200Bd/800  
4659 kHz, 28-11, 1525 UTC, Akkord 1200Bd/800  
4679 kHz, 28-11, 1525 UTC, Akkord 1200Bd/800  
3455 kHz, 28-11, 1535 UTC, Akkord 1200Bd/800  
3485 kHz, 28-11, 1535 UTC, Akkord 1200Bd/800  
7425 kHz, 29-11, 0647 UTC, Akkord 1200Bd/800  
7445 kHz, 29-11, 0647 UTC, Akkord 1200Bd/800  
7500 kHz, 29-11, 0848 UTC, Akkord 1200Bd/800  
4660 kHz, 29-11, 1453 UTC, Akkord 1200Bd/800  
4680 kHz, 29-11, 1453 UTC, Akkord 1200Bd/800  
5331 kHz, 29-11, 1717 UTC, Akkord 1200Bd/800  
4515 kHz, 29-11, 1744 UTC, Akkord 1200Bd/800  
3999 kHz, 29-11, 2011 UTC, Akkord 1200Bd/800  
4515 kHz, 29-11, 2011 UTC, Akkord 1200Bd/800  
6970 kHz, 30-11, 0619 UTC, Akkord 1200Bd/800  
7500 kHz, 30-11, 0653 UTC, Akkord 1200Bd/800  
7420 kHz, 30-11, 0653 UTC, Akkord 1200Bd/800



See also <http://i56578-swl.blogspot.com/search/label/Rus-datalink>

## LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	14-11	0430	9041	Mon	Russian national anthem loop transmission	USB	(AB-RUS)
---	14-11	1718	4625	Mon	Buzzer trolled by pirates. Music on top of the Buzzer	USB	(AB)
---	14-11	1721	7055	Mon	Ukrainian propaganda and music on top of each other	LSB	(AB)
---	14-11	1736	5390	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	15-11	0430	9041	Tue	Russian national anthem loop transmission	USB	(AB-RUS)
---	15-11	1355	7050	Tue	Ukrainian war songs	LSB	(AB)
---	15-11	1355	7055	Tue	Russian-Ukrainian radio war	LSB	(AB)
---	15-11	1355	7060	Tue	Russian-Ukrainian radio war	LSB	(AB)
---	16-11	0430	9041	Wed	Russian national anthem loop transmission	USB	(AB-RUS)
---	16-11	1226	10250	Wed	Russian intel. Several very noisy and wide spectrum (ca 40kHz) transmitter tests for ca 30 mins	---	(AB)
---	16-11	1734	3213	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	16-11	1734	5390	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	16-11	1740	8088	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
---	16-11	1750	8088	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
---	17-11	0430	9041	Thu	Russian national anthem loop transmission	USB	(AB-RUS)
---	18-11	0425	7700	Fri	Russian national anthem loop transmission	USB	(AB)
---	18-11	0425	9900	Fri	Russian national anthem loop transmission	USB	(AB)
---	18-11	0425	10200	Fri	Russian national anthem loop transmission	USB	(AB)
---	18-11	0442	8001	Fri	Russian national anthem loop transmission	USB	(AB)
---	18-11	0442	9001	Fri	Russian national anthem loop transmission	USB	(AB)
---	18-11	0442	9041	Fri	Russian national anthem loop transmission	USB	(AB)
---	23-11	1750	3213	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1704	5420	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1704	5430	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1841	3550	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1841	4415	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1910	4419	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	25-11	1910	4430	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	26-11	0657	5373	Sat	Unid sending 53 53 53, after 30 secs: 53 53 and at 0659z: LSN LSN 53 53	CW	(AB)
---	26-11	1736	3550	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	26-11	1736	4460	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	26-11	1816	4419	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	26-11	1818	3243	Sat	Goose: Russian military channel marker	USB	(AB)
---	26-11	1818	3364	Sat	Squeaky Wheel: Russian military channel marker	USB	(AB)
---	26-11	1818	3756	Sat	Pip: Russian military channel marker	USB	(AB)
---	26-11	1819	4182	Sat	Dash: Russian military channel marker	USB	(AB)
---	26-11	1819	4625	Sat	Buzzer: Russian military channel marker	USB	(AB)
---	26-11	1819	4770	Sat	Alarm: Russian military channel marker	USB	(AB)

---	26-11	1819	4930	Sat	Air Horn: Russian military channel marker	USB	(AB)
---	27-11	1730	4140	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-11	1730	4515	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-11	1816	3550	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-11	1904	4160	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-11	1525	4659	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-11	1525	4679	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-11	1535	3455	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-11	1535	3485	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	0647	7425	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	0647	7445	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	0848	7500	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	1453	4660	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	1453	4680	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	1717	5331	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	1744	4515	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	2011	3999	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	29-11	2011	4515	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	30-11	0619	6970	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	30-11	0653	7420	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	30-11	0653	7500	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
<b>BUL</b>	17-11	1055	12105	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	24-11	1059	12105	Thu	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
<b>BUL</b>	24-11	1059	12112	Thu	Unid Bulgarian embassy wkg MFA Sofia. WSX 12105 kHz	RFSM	(AB)
<b>BUL</b>	25-11	1059	12105	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	29-11	1055	12105	Tue	MFA Sofia wkg unid embassy. QSX 12112 kHz	RFSM	(AB)
<b>BUL</b>	29-11	1055	12112	Tue	Unid Bulgarian embassy wkg MFA Sofia. WSX 12105 kHz	RFSM	(AB)
<b>BUL</b>	30-11	1056	12105	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>DPRK</b>	1-11	0733	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	0832	19115	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	0924	17450	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1230	11047	Tue	North Korean diplo. QSX 12400 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1230	12400	Tue	North Korean diplo. QSX 11047 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1359	14400	Tue	North Korean diplo. QSX 14405 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1359	14405	Tue	North Korean diplo. QSX 14400 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1522	17450	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	1-11	1526	14444	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	2-11	1217	10960	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	2-11	1244	11047	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	2-11	1308	12400	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	2-11	1320	14500	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	3-11	1245	16251	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	4-11	0822	13115	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-11	0812	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	10-11	0858	16450	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	10-11	0858	16870	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14-11	0805	12116	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15-11	0733	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15-11	1449	16675	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-11	0758	13966	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	21-11	0803	12400	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	22-11	1230	16250	Tue	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	22-11	1230	16252	Tue	North Korean diplo. QSX 16250 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	22-11	1321	16258	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-11	0645	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-11	0834	11045	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	24-11	0801	13966	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	28-11	1200	16252	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	0649	12800	Tue	North Korean diplo. QSX 12900 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	0649	12900	Tue	North Korean diplo. QSX 12800 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	0652	15555	Tue	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	0652	16252	Tue	North Korean diplo. QSX 15555 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	1308	13966	Tue	North Korean diplo. QSX 11047 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	1428	11047	Tue	North Korean diplo. QSX 13966 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	1447	10960	Tue	North Korean diplo. QSX 11030 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	29-11	1447	11030	Tue	North Korean diplo. QSX 10960 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-11	0637	12400	Wed	North Korean diplo. QSX 12403 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-11	0637	12403	Wed	North Korean diplo. QSX 12400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-11	0655	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	30-11	0837	11045	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	1-11	0210	10673	Tue	537 160 34 73201 07825 51990 ... 37052 00462 09227 160 34 00000	USB	(PY/HFD-J)
E06	1-11	0310	14398	Tue	537 160 34 73201 07825 51990 ... 37052 00462 09227 160 34 00000	USB	(PY/HFD-J)
E06	1-11	1030	14735	Tue	392 860 47 24811 57598 21916 ... 57623 57393 30512 860 47 00000	USB	(AB/EW)
E06	1-11	1300	15643	Tue	392 860 47 24811 57598 21916 ... 57623 57393 30512 860 47 00000	USB	(AB/HFD)
E06	1-11	1330	13547	Tue	392 860 47 24811 57598 21916 ... 57623 57393 30512 860 47 00000	USB	(AB/HFD)
E06	3-11	0600	18285	Thu	507 892 61 26511 92782 37746 10574 ... 92015 25415 82663 892 61 00000	USB	(AB-RUS/HFD)
E06	3-11	0700	20140	Thu	507 892 61 26511 92782 37746 10574 ... 92015 25415 82663 892 61 00000	USB	(AB-RUS/HFD)
E06	4-11	0600	18285	Fri	507 892 61 26511 92782 37746 10574 ... 92015 25415 82663 892 61 00000	USB	(AB-RUS)
E06	4-11	0700	20140	Fri	507 892 61 26511 92782 37746 10574 ... 92015 25415 82663 892 61 00000	USB	(AB-RUS)
E06	7-11	0210	10673	Mon	537 829 35 29195 39595 41696 ... 31508 30725 41246 829 35 00000	USB	(PY)
E06	7-11	0310	14398	Mon	537 829 35 29195 39595 41696 ... 31508 30725 41246 829 35 00000	USB	(PY)
E06	8-11	0210	10673	Tue	537 829 35 29195 39595 41696 ... 31508 30725 41246 829 35 00000	USB	(PY)
E06	8-11	0310	14398	Tue	537 829 35 29195 39595 41696 ... 31508 30725 41246 829 35 00000	USB	(PY)
E06	10-11	0300	16163	Thu	361 480 31 93266 63874 01631 ... 29695 37472 43008 480 31 00000	USB	(AB/HFD-RUS)



E06	10-11	0400	13863	Thu	361 480 31 93266 63874 01631 ... 29695 37472 43008 480 31 00000	USB	(AB/HFD-RUS)
E06	10-11	0720	10755	Thu	H3E TX noise until 0728z	USB	(PY)
E06	10-11	0808	10755	Thu	975 (R30m25s) 342 60 71701 00870 30893 ... 72605 76994 97441 342 60 00000 [38s silence] 97-	USB	(PY/VSh)
E06	11-11	0300	16173	Fri	361 480 31 93266 63874 01631 ... 29695 37472 43008 480 31 00000	USB	(AB)
E06	11-11	0400	13863	Fri	361 480 31 93266 63874 01631 ... 29695 37472 43008 480 31 00000	USB	(AB)
E06	12-11	1340	11073	Sat	352 148 60 22513 36605 61076 ... 19983 73298 11865 148 60 00000. Several restarts during the message	USB	(linkz/PY)
E06	14-11	0210	10673	Mon	537 410 36 44385 02602 88147 ... 57426 22646 62868 410 36 00000	USB	(PY)
E06	14-11	0310	14398	Mon	537 410 36 44385 02602 88147 ... 57426 22646 62868 410 36 00000	USB	(PY)
E06	15-11	0210	10673	Tue	537 410 36 44385 02602 88147 ... 57426 22646 62868 410 36 00000	USB	(PY)
E06	15-11	0310	14398	Tue	537 410 36 44385 02602 88147 ... 57426 22646 62868 410 36 00000	USB	(PY)
E06	16-11	1900	9261	Wed	853 149 60 22513 36605 61076 ... 19983 73298 11865 149 60 00000	USB	(AB)
E06	16-11	2000	5384	Wed	853 149 60 22513 36605 61076 ... 19983 73298 11865 149 60 00000	USB	(PY)
E06	17-11	0300	16176	Thu	361 590 32 03428 57945 09944 ... 66414 65407 24778 590 32 00000	USB	(AB)
E06	17-11	0400	13863	Thu	361 590 32 03428 57945 09944 ... 66414 65407 24778 590 32 00000	USB	(AB)
E06	17-11	0600	18285	Thu	507 923 61 35227 80242 76433 ... 76013 40923 10801 923 61 00000	USB	(AB-KWT)
E06	17-11	0700	20140	Thu	507 923 61 35227 80242 76433 ... 76013 40923 10801 923 61 00000	USB	(AB)
E06	17-11	1900	9261	Thu	853 149 60 22513 36605 61076 ... 19983 73298 11865 149 60 00000	USB	(PY)
E06	17-11	2000	5384	Thu	853 149 60 22513 36605 61076 ... 19983 73298 11865 149 60 00000	USB	(AB)
E06	18-11	0300	16175	Fri	361 590 32 03428 57945 09944 ... 66414 65407 24778 590 32 00000	USB	(AB)
E06	18-11	0400	13863	Fri	361 590 32 03428 57945 09944 ... 66414 65407 24778 590 32 00000	USB	(AB)
E06	18-11	0600	18285	Fri	507 923 61 35227 80242 76433 ... 76013 40923 10801 923 61 00000	USB	(AB-KWT)
E06	18-11	0700	20140	Fri	507 923 61 35227 80242 76433 ... 76013 40923 10801 923 61 00000	USB	(AB)
E06	21-11	0210	10673	Mon	537 286 37 94858 35578 14370 ... 30113 44348 85119 286 37 00000	USB	(PY)
E06	21-11	0310	14398	Mon	537 286 37 94858 35578 14370 ... 30113 44348 85119 286 37 00000	USB	(PY)
E06	22-11	0210	10673	Tue	537 286 37 94858 35578 14370 ... 30113 44348 85119 286 37 00000	USB	(PY)
E06	22-11	0310	14398	Tue	537 286 37 94858 35578 14370 ... 30113 44348 85119 286 37 00000	USB	(PY)
E06	24-11	0300	16163	Thu	361 478 33 18421 43899 30927 ... 16979 70353 17110 478 33 00000	USB	(AB)
E06	24-11	0400	13863	Thu	361 478 33 18421 43899 30927 ... 16979 70353 17110 478 33 00000	USB	(AB)
E06	25-11	0300	16178	Fri	361 478 33 18421 43899 30927 ... 16979 70353 17110 478 33 00000	USB	(AB)
E06	25-11	0400	13863	Fri	361 478 33 18421 43899 30927 ... 16979 70353 17110 478 33 00000	USB	(AB)
E06	28-11	0210	10673	Mon	537 149 38 26803 75692 41258 ... 98410 68090 08925 149 38 00000	USB	(PY)
E06	28-11	0310	14398	Mon	537 149 38 26803 75692 41258 ... 98410 68090 08925 149 38 00000	USB	(PY)
E06	29-11	0210	10673	Tue	537 149 38 26803 75692 41258 ... 98410 68090 08925 149 38 00000	USB	(PY)
E06	29-11	0310	14404	Tue	537 149 38 26803 75692 41258 ... 98410 68090 08925 149 38 00000	USB	(PY)
E06a	10-11	1440	13843	Thu	346 (R4m) 905 2 11111 00074 905 2 346 (R1m) 218 50 19117 61918 06174 ... 01505 67057 80085 218 50 00000	USB	(PY)
E06a	11-11	1440	13843	Fri	346 (R4m) 790 2 11111 00074 790 2346 218 50 19117 61918 06174 ... 01505 67057 80085 218 50 00000	USB	(AB/PY)
E07	1-11	1500	14737	Tue	751 751 751 000	USB	(AB/HFD)
E07	1-11	1520	13537	Tue	751 751 751 000	USB	(AB/HFD)
E07	3-11	1410	11574	Thu	327 327 327 000	USB	(AB/HFD)

E07	3-11	1430	10274	Thu	327 327 327 000	USB	(AB/HFD)
E07	4-11	1500	14737	Fri	751 751 751 000	USB	(AB)
E07	4-11	1520	13537	Fri	751 751 751 000	USB	(AB)
E07	5-11	1400	10323	Sat	310 310 310 000	USB	(AB/MPJ/HFD)
E07	5-11	1410	11574	Sat	327 327 327 000	USB	(AB/MPJ)
E07	5-11	1420	9123	Sat	310 310 310 000	USB	(AB/MPJ/HFD)
E07	5-11	1430	10274	Sat	327 327 327 000	USB	(AB/MPJ)
E07	6-11	0700	10268	Sun	201 201 201 000	USB	(AB/HFD)
E07	6-11	0720	11068	Sun	201 201 201 000	USB	(AB/HFD)
E07	8-11	1500	14737	Tue	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB/HFD)
E07	8-11	1520	13537	Tue	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB/HFD)
E07	8-11	1540	12137	Tue	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB/HFD)
E07	10-11	1410	11574	Thu	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	10-11	1430	10274	Thu	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	10-11	1450	9274	Thu	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	11-11	1500	14737	Fri	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB)
E07	11-11	1520	13537	Fri	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB)
E07	11-11	1540	12137	Fri	751 751 751 1 331 146 331 146 16576 08235 23526 ... 02270 98630 95175 000 000	USB	(AB)
E07	12-11	1400	10323	Sat	310 310 310 000	USB	(AB/MPJ)
E07	12-11	1410	11574	Sat	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	12-11	1420	9123	Sat	310 310 310 000	USB	(AB/MPJ)
E07	12-11	1430	10274	Sat	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	12-11	1435	9274	Sat	327 327 327 1 6884 49 6884 49 68919 72873 85507 ... 52310 13392 22830 000 000	USB	(AB/MPJ)
E07	13-11	0700	10268	Sun	201 201 201 000	USB	(AB)
E07	13-11	0720	11068	Sun	201 201 201 000	USB	(AB)
E07	15-11	1500	14737	Tue	751 751 751 000	USB	(AB)
E07	15-11	1520	13537	Tue	751 751 751 000	USB	(AB)
E07	17-11	1410	11574	Thu	327 327 327 000	USB	(AB/MPJ)
E07	17-11	1430	10274	Thu	327 327 327 000	USB	(AB/MPJ)
E07	18-11	1500	14737	Fri	751 751 751 000	USB	(AB)
E07	18-11	1520	13537	Fri	751 751 751 000	USB	(AB)
E07	19-11	1400	10323	Sat	310 310 310 000	USB	(AB/MPJ)
E07	19-11	1410	11574	Sat	327 327 327 000	USB	(AB/MPJ)
E07	19-11	1420	9123	Sat	310 310 310 000	USB	(AB/MPJ)
E07	19-11	1430	10274	Sat	327 327 327 000	USB	(AB/MPJ)
E07	20-11	0700	10268	Sun	201 201 201 000	USB	(AB)
E07	20-11	0720	11068	Sun	201 201 201 000	USB	(AB)
E07	22-11	1101	10256	Tue	123 123 123 1 (4x) 12 cut off, audio stutter at the end. E06's voice and wrong pacing and spacing	USB	(T101)
E07	22-11	1500	14737	Tue	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	22-11	1520	13537	Tue	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	22-11	1540	12137	Tue	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	24-11	1410	11574	Thu	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)



E07	24-11	1430	10274	Thu	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)
E07	24-11	1450	9274	Thu	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)
E07	25-11	1500	14737	Fri	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	25-11	1520	13537	Fri	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	25-11	1540	12137	Fri	751 751 751 1 9695 102 9695 102 97182 42824 69175 ... 04512 84990 93376 000 000	USB	(AB)
E07	26-11	1400	10323	Sat	310 310 310 000	USB	(AB/MPJ)
E07	26-11	1410	11574	Sat	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)
E07	26-11	1420	9123	Sat	310 310 310 000	USB	(AB/MPJ)
E07	26-11	1430	10274	Sat	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)
E07	26-11	1450	9274	Sat	327 327 327 1 2774 61 27774 61 48717 32916 76651 ... 49837 97739 72775 000 000	USB	(AB/MPJ)
E07	27-11	0700	10268	Sun	201 201 201 000	USB	(AB)
E07	27-11	0720	11068	Sun	201 201 201 000	USB	(AB)
E07	29-11	1500	14737	Tue	751 751 751 000	USB	(AB)
E07	29-11	1520	13537	Tue	751 751 751 000	USB	(AB)
E11	1-11	0645	7840	Tue	518/00	USB	(AB/HFD)
E11	1-11	0700	6804	Tue	577/00	USB	(AB/HFD)
E11	1-11	0715	9130	Tue	635/00	USB	(AB/HFD)
E11	1-11	0745	13908	Tue	223/00	USB	(AB/HFD)
E11	1-11	0820	14611	Tue	134/00	USB	(AB/HFD)
E11	1-11	0845	13046	Tue	152/00	USB	(AB/HFD)
E11	1-11	1000	9079	Tue	309/00	USB	(AB/HFD)
E11	1-11	1430	13363	Tue	914/00	USB	(AB/HFD)
E11	1-11	1605	5432	Tue	232/00	USB	(AB/HFD)
E11	2-11	0315	9052	Wed	252/00	USB	(AB-POL)
E11	2-11	0640	16005	Wed	940/00	USB	(AB)
E11	2-11	0715	11104	Wed	752/00	USB	(AB/HFD)
E11	2-11	0745	17378	Wed	344/00	USB	(AB/HFD)
E11	2-11	0820	14611	Wed	130/00	USB	(AB)
E11	2-11	0845	12067	Wed	715/00	USB	(AB/HFD)
E11	2-11	0900	11092	Wed	538/00	USB	(AB/HFD)
E11	2-11	0930	7469	Wed	276/00	USB	(AB/HFD)
E11	2-11	1045	11100	Wed	692/00	USB	(AB/HFD)
E11	2-11	1715	5082	Wed	972/00	USB	(AB/HFD)
E11	3-11	0315	9052	Thu	251/00	USB	(AB/HFD)
E11	3-11	0645	7840	Thu	512/00	USB	(AB)
E11	3-11	0745	13908	Thu	220/00	USB	(AB)
E11	3-11	0820	5149	Thu	430/00	USB	(AB/HFD)
E11	3-11	0845	13046	Thu	157/00	USB	(AB)
E11	3-11	0930	7469	Thu	276/00	USB	(AB)
E11	3-11	1300	4909	Thu	311/00	USB	(AB/HFD)
E11	3-11	1530	5409	Thu	264/00	USB	(AB/HFD)
E11	3-11	1730	5779	Thu	415/00	USB	(AB/HFD)

E11	3-11	1900	6849	Thu	641/00	USB	(AB/HFD)
E11	4-11	0700	6804	Fri	571/00	USB	(AB)
E11	4-11	0715	9130	Fri	634/00	USB	(AB)
E11	4-11	0745	17378	Fri	343/00	USB	(AB)
E11	4-11	0820	5149	Fri	430/00	USB	(AB)
E11	4-11	0830	14940	Fri	183/00	USB	(AB/HFD)
E11	4-11	1000	9079	Fri	307/00	USB	(AB)
E11	4-11	1715	5082	Fri	977/00	USB	(AB/MPJ)
E11	4-11	1815	6849	Fri	927/00	USB	(AB/MPJ/HFD)
E11	4-11	1910	10487	Fri	610/00	USB	(HFD)
E11	5-11	0700	5371	Sat	490/00	USB	(AB/HFD)
E11	5-11	1430	13363	Sat	910/00	USB	(AB/MPJ)
E11	5-11	1530	4909	Sat	360/00	USB	(AB/MPJ/HFD)
E11	6-11	0700	5371	Sun	498/00	USB	(AB)
E11	6-11	1530	4909	Sun	368/00	USB	(AB)
E11	6-11	1605	5432	Sun	238/00	USB	(AB)
E11	6-11	1745	12924	Sun	242/00	USB	(AB/HFD)
E11	6-11	1815	6849	Sun	921/00	USB	(AB)
E11	6-11	1910	10487	Sun	614/00	USB	(AB-POL)
E11	7-11	0450	4909	Mon	412/00	USB	(AB)
E11	7-11	0640	16005	Mon	941/00	USB	(AB/HFD)
E11	7-11	0715	11104	Mon	751/00	USB	(AB)
E11	7-11	0745	10213	Mon	268/00	USB	(AB/HFD)
E11	7-11	0845	12067	Mon	716/00	USB	(AB)
E11	7-11	0900	11092	Mon	534/00	USB	(AB)
E11	7-11	1045	11100	Mon	696/00	USB	(AB)
E11	7-11	1300	4909	Mon	314/00	USB	(AB-POL)
E11	7-11	1745	12924	Mon	245/00	USB	(AB-POL/MPJ)
E11	7-11	1900	6849	Mon	646/00	USB	(AB/MPJ)
E11	8-11	0645	7840	Tue	511/00	USB	(AB)
E11	8-11	0715	9130	Tue	631/00	USB	(AB)
E11	8-11	0745	13908	Tue	225/00	USB	(AB)
E11	8-11	1205	6433	Tue	469/00	USB	(AB)
E11	8-11	1605	5432	Tue	237/00	USB	(AB)
E11	9-11	0640	16005	Wed	949/00	USB	(AB)
E11	9-11	0715	11104	Wed	759/00	USB	(AB)
E11	9-11	0745	17378	Wed	343/00	USB	(AB-POL)
E11	9-11	0845	12067	Wed	710/00	USB	(AB)
E11	9-11	0900	11092	Wed	533/00	USB	(AB)
E11	9-11	0930	7469	Wed	279/00	USB	(AB)
E11	9-11	1045	11100	Wed	698/00	USB	(AB)
E11	9-11	1205	6433	Wed	463/00	USB	(AB)

E11	9-11	1910	4505	Wed	393/00	USB	(AB/MPJ)
E11	10-11	0645	7840	Thu	518/00	USB	(AB)
E11	10-11	0745	13908	Thu	225/00	USB	(AB)
E11	10-11	0820	5149	Thu	432/00	USB	(AB-POL)
E11	10-11	0930	7469	Thu	275/00	USB	(AB)
E11	10-11	1300	4909	Thu	316/00	USB	(AB-POL/MPJ)
E11	10-11	1530	5409	Thu	264/00	USB	(AB/MPJ)
E11	10-11	1730	5779	Thu	414/00	USB	(AB/MPJ)
E11	10-11	1900	6849	Thu	640/00	USB	(AB/MPJ)
E11	10-11	2000	5082	Thu	524/00	USB	(AB)
E11	11-11	0600	7850	Fri	355/00	USB	(AB/HFD)
E11	11-11	0715	9130	Fri	636/00	USB	(AB)
E11	11-11	0745	17378	Fri	342/00	USB	(AB)
E11	11-11	0820	5149	Fri	438/00	USB	(AB)
E11	11-11	1815	6849	Fri	922/00	USB	(AB)
E11	12-11	0700	5371	Sat	496/00	USB	(AB)
E11	12-11	1530	4909	Sat	369/00	USB	(AB-POL/MPJ)
E11	12-11	1910	4505	Sat	394/00	USB	(AB)
E11	13-11	0600	7850	Sun	355/00	USB	(AB)
E11	13-11	0700	5371	Sun	490/00	USB	(AB)
E11	13-11	1530	4909	Sun	360/00	USB	(AB/MPJ)
E11	13-11	1605	5432	Sun	233/00	USB	(AB/MPJ)
E11	13-11	1745	12924	Sun	247/00	USB	(MPJ)
E11	13-11	1815	6849	Sun	921/00	USB	(AB)
E11	13-11	1900	5082	Sun	521/00	USB	(AB-POL)
E11	14-11	0450	4909	Mon	413/00	USB	(AB/HFD)
E11	14-11	0640	16005	Mon	941/00	USB	(AB)
E11	14-11	0715	11104	Mon	750/00	USB	(AB)
E11	14-11	0745	10213	Mon	261/00	USB	(AB)
E11	14-11	0830	14940	Mon	180/00	USB	(AB)
E11	14-11	0845	12067	Mon	716/00	USB	(AB)
E11	14-11	0900	11092	Mon	536/00	USB	(AB)
E11	14-11	1745	12924	Mon	246/00	USB	(MPJ)
E11	14-11	1900	6849	Mon	644/00	USB	(AB/MPJ)
E11	15-11	0505	12153	Tue	330/00	USB	(HFD)
E11	15-11	0645	7840	Tue	510/00	USB	(AB)
E11	15-11	0700	6804	Tue	574/00	USB	(AB)
E11	15-11	0745	13908	Tue	224/00	USB	(AB)
E11	15-11	0820	14611	Tue	133/00	USB	(AB)
E11	15-11	1000	9079	Tue	300/00	USB	(AB)
E11	15-11	1205	6433	Tue	466/00	USB	(AB)
E11	15-11	1430	13363	Tue	915/00	USB	(AB)

E11	15-11	1605	5432	Tue	233/00	USB	(AB)
E11	16-11	0315	9052	Wed	250/00	USB	(Time)
E11	16-11	0640	16005	Wed	948/00	USB	(AB)
E11	16-11	0715	11104	Wed	751/00	USB	(AB)
E11	16-11	0820	14611	Wed	134/00	USB	(AB-POL)
E11	16-11	0845	12067	Wed	713/00	USB	(AB)
E11	16-11	0900	11092	Wed	534/00	USB	(AB)
E11	16-11	1205	6433	Wed	461/00	USB	(AB)
E11	16-11	1715	5082	Wed	974/00	USB	(AB/MPJ)
E11	16-11	1910	4505	Wed	390/00	USB	(AB/MPJ)
E11	17-11	0315	9052	Thu	256/00	USB	(AB-POL)
E11	17-11	0505	12153	Thu	331/00	USB	(AB-POL)
E11	17-11	0645	7840	Thu	512/00	USB	(AB)
E11	17-11	0745	13908	Thu	220/00	USB	(AB)
E11	17-11	0820	5149	Thu	438/00	USB	(AB-POL)
E11	17-11	1530	5409	Thu	268/00	USB	(AB)
E11	17-11	1730	5779	Thu	411/00	USB	(AB/MPJ)
E11	17-11	1900	6849	Thu	643/00	USB	(AB)
E11	17-11	2000	5082	Thu	524/00	USB	(AB)
E11	18-11	0600	7850	Fri	352/00	USB	(AB)
E11	18-11	0700	6804	Fri	579/00	USB	(AB)
E11	18-11	0820	5149	Fri	438/00	USB	(AB)
E11	18-11	0830	14940	Fri	188/00	USB	(AB)
E11	18-11	1000	9079	Fri	305/00	USB	(AB)
E11	18-11	1715	5082	Fri	972/00	USB	(AB/MPJ)
E11	18-11	1815	6849	Fri	926/00	USB	(AB)
E11	18-11	1910	10487	Fri	616/00	USB	(AB-POL)
E11	19-11	1430	13363	Sat	919/00	USB	(AB)
E11	19-11	1530	4909	Sat	360/00	USB	(AB-POL/MPJ)
E11	19-11	1910	4505	Sat	390/00	USB	(AB)
E11	20-11	0600	7850	Sun	353/00	USB	(AB)
E11	20-11	1530	4909	Sun	363/00	USB	(AB/MPJ)
E11	20-11	1605	5432	Sun	238/00	USB	(AB/MPJ)
E11	20-11	1745	12924	Sun	245/00	USB	(AB/MPJ)
E11	20-11	1815	6849	Sun	926/00	USB	(AB/MPJ)
E11	20-11	1900	5082	Sun	522/00	USB	(AB-POL)
E11	20-11	1910	10487	Sun	616/00	USB	(AB-POL)
E11	21-11	0715	11104	Mon	754/00	USB	(AB)
E11	21-11	0830	14940	Mon	184/00	USB	(AB)
E11	21-11	0845	12067	Mon	710/00	USB	(AB)
E11	21-11	1045	11100	Mon	690/00	USB	(AB)
E11	21-11	1300	4909	Mon	315/00	USB	(AB-POL)

E11	22-11	0700	6804	Tue	570/00	USB	(AB)
E11	22-11	0715	9130	Tue	637/00	USB	(AB)
E11	22-11	0820	14611	Tue	130/00	USB	(AB)
E11	22-11	0845	17378	Tue	152/00	USB	(PY)
E11	22-11	1000	9079	Tue	307/00	USB	(AB)
E11	22-11	1205	6433	Tue	466/00	USB	(AB-POL)
E11	22-11	1430	13363	Tue	912/00	USB	(AB/MPJ)
E11	23-11	0315	9052	Wed	258/00	USB	(Time)
E11	23-11	0715	11104	Wed	755/00	USB	(AB)
E11	23-11	0745	17378	Wed	342/00	USB	(AB-POL)
E11	23-11	0820	14611	Wed	134/00	USB	(AB-POL)
E11	23-11	0845	12067	Wed	714/00	USB	(AB)
E11	23-11	0930	7469	Wed	273/00	USB	(AB)
E11	23-11	1045	11100	Wed	692/00	USB	(AB)
E11	23-11	1205	6433	Wed	461/00	USB	(AB)
E11	23-11	1715	5082	Wed	976/00	USB	(AB)
E11	23-11	1910	4505	Wed	399/00	USB	(AB)
E11	24-11	0315	9052	Thu	258/00	USB	(AB-POL)
E11	24-11	0505	12153	Thu	332/00	USB	(AB-AUT)
E11	24-11	0845	17378	Thu	152/00	USB	(AB)
E11	24-11	0930	7469	Thu	278/00	USB	(AB)
E11	24-11	1300	4909	Thu	313/00	USB	(AB-POL)
E11	24-11	2000	5082	Thu	521/00	USB	(AB)
E11	25-11	0600	7850	Fri	351/00	USB	(AB)
E11	25-11	0700	6804	Fri	576/00	USB	(AB)
E11	25-11	0715	9130	Fri	635/00	USB	(AB)
E11	25-11	0745	17378	Fri	347/00	USB	(AB-POL)
E11	25-11	0830	14940	Fri	180/00	USB	(AB)
E11	25-11	1000	9079	Fri	302/00	USB	(AB)
E11	25-11	1715	5082	Fri	972/00	USB	(AB)
E11	25-11	1910	10487	Fri	610/00	USB	(AB-POL)
E11	26-11	0700	5371	Sat	492/00	USB	(AB)
E11	26-11	1430	13363	Sat	918/00	USB	(AB/MPJ)
E11	26-11	1910	4505	Sat	396/00	USB	(AB)
E11	27-11	0600	7850	Sun	355/00	USB	(AB)
E11	27-11	0700	5371	Sun	496/00	USB	(AB)
E11	27-11	1900	5082	Sun	528/00	USB	(AB-POL)
E11	27-11	1910	10487	Sun	611/00	USB	(AB-POL/MPJ-AUT)
E11	28-11	0450	4909	Mon	410/00	USB	(AB)
E11	28-11	0640	16005	Mon	946/00	USB	(AB)
E11	28-11	0745	10213	Mon	262/00	USB	(AB)

E11	28-11	0830	14940	Mon	184/00		USB	(AB)
E11	28-11	0900	11092	Mon	532/00		USB	(AB)
E11	28-11	1045	11100	Mon	698/00		USB	(AB)
E11	28-11	1300	4909	Mon	312/00		USB	(AB-POL)
E11	28-11	1745	12924	Mon	246/00		USB	(AB-POL)
E11	28-11	1900	6849	Mon	640/00		USB	(AB)
E11	29-11	0505	12153	Tue	332/00		USB	(AB-CYP)
E11	29-11	0645	7840	Tue	510/00		USB	(AB)
E11	29-11	0700	6804	Tue	570/00		USB	(AB)
E11	29-11	0715	9130	Tue	634/00		USB	(AB)
E11	29-11	0745	13908	Tue	220/00		USB	(AB)
E11	29-11	0820	14611	Tue	130/00		USB	(AB)
E11	29-11	0845	17378	Tue	154/00		USB	(AB)
E11	29-11	1000	9079	Tue	308/00		USB	(AB)
E11	29-11	1205	6433	Tue	462/00		USB	(AB/MPJ)
E11	29-11	1430	13363	Tue	910/00		USB	(AB)
E11	29-11	1605	5432	Tue	232/00		USB	(AB-POL/MPJ)
E11	30-11	0315	9052	Wed	252/00		USB	(Time)
E11	30-11	0640	16005	Wed	941/00		USB	(AB)
E11	30-11	0745	17378	Wed	346/00		USB	(AB-POL)
E11	30-11	0820	14611	Wed	135/00		USB	(AB-POL)
E11	30-11	0900	11092	Wed	537/00		USB	(AB)
E11	30-11	0930	7469	Wed	273/00		USB	(AB)
E11	30-11	1045	11100	Wed	697/00		USB	(AB)
E11	30-11	1205	6433	Wed	464/00		USB	(AB)
E11	30-11	1715	5082	Wed	978/00		USB	(AB/MPJ)
E11	30-11	1910	4505	Wed	390/00		USB	(AB/MPJ)
E11a	1-11	1205	6433	Tue	463/35 Attention 50878 18374 88724 ... 79726 58193 00771 Attention (message repeated) Out		USB	(AB/HFD)
E11a	2-11	1205	6433	Wed	463/35 Attention 50878 18374 88724 ... 79726 58193 00771 Attention (message repeated) Out		USB	(AB/HFD)
E11a	2-11	1910	4505	Wed	399/33 Attention 18099 91274 06813 ... 34600 08585 86179 Attention (message repeated) Out		USB	(AB/MPJ/HFD)
E11a	3-11	2000	5082	Thu	520/34 Attention 74735 08208 80933 ... 85309 99233 10047 Attention (message repeated) Out		USB	(AB/HFD)
E11a	4-11	0600	7850	Fri	353/38 Attention 38951 12868 25061 ... 70063 83526 46980 Attention (message repeated) Out		USB	(AB)
E11a	5-11	1910	4505	Sat	399/33 Attention 18099 91274 06813 ... 34600 08585 86179 Attention (message repeated) Out		USB	(AB)
E11a	6-11	0600	7850	Sun	353/38 Attention 38951 12868 25061 ... 70063 83526 46980 Attention (message repeated) Out		USB	(AB)
E11a	6-11	1900	5082	Sun	520/34 Attention 74735 08208 80933 ... 85309 99233 10047 Attention (message repeated) Out		USB	(AB-POL)
E11a	7-11	0830	14940	Mon	185/30 Attention 48331 54196 36478 ... 22580 48520 77271 Attention (message repeated) Out		USB	(AB/HFD)
E11a	8-11	0700	6804	Tue	577/31 Attention 79544 31813 78015 ... 75377 31485 33344 Attention (message repeated) Out		USB	(AB)
E11a	8-11	0820	14611	Tue	133/34 Attention 38541 88101 20656 ... 71242 68815 67101 Attention (message repeated) Out		USB	(AB)
E11a	8-11	1000	9079	Tue	309/27 Attention 99052 82906 74092 ... 65279 74129 70069 Attention (message repeated) Out		USB	(AB)
E11a	8-11	1430	13363	Tue	919/32 Attention 07929 33180 27328 ... 41648 17718 28159 Attention (message repeated) Out		USB	(AB)
E11a	9-11	0315	9052	Wed	256/34 Attention ...		USB	(Time)
E11a	9-11	0820	14611	Wed	133/34 Attention 38541 88101 20656 ... 54840 90094 72185 Attention (message repeated) Out		USB	(AB-POL)

E11a	9-11	1715	5082	Wed	974/39 Attention 39392 64662 32973 ... 62607 58209 63920 Attention (message repeated) Out	USB	(AB/MPJ-HNG)
E11a	10-11	0315	9052	Thu	256/32 Attention ...	USB	(AB-POL)
E11a	10-11	0505	12153	Thu	330/38 Attention 19868 72998 66231 ... 21770 11619 57618 Attention (message repeated) Out	USB	(AB-POL)
E11a	11-11	0700	6804	Fri	577/31 Attention 79544 31813 78015 ... 75377 31485 33344 Attention (message repeated) Out	USB	(AB)
E11a	11-11	0830	14940	Fri	185/30 Attention 48331 54196 36478 ... 22580 48520 77271 Attention (message repeated) Out	USB	(AB)
E11a	11-11	1000	9079	Fri	309/27 Attention 99052 82906 74092 ... 65279 74129 70069 Attention (message repeated) Out	USB	(AB)
E11a	11-11	1715	5082	Fri	974/39 Attention 39392 64662 32973 ... 62607 58209 63920 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	11-11	1910	10487	Fri	611/35 Attention 71953 33663 79890 ... 68780 04150 32873 Attention (message repeated) Out	USB	(MPJ)
E11a	12-11	1430	13363	Sat	919/32 Attention 07929 33180 27328 ... 41648 17718 28159 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13-11	1910	10487	Sun	611/35 Attention 71953 33663 79890 ... 68780 04150 32873 Attention (message repeated) Out	USB	(AB-POL)
E11a	14-11	1045	11100	Mon	696/34 Attention 10736 00474 59535 ... 63203 09997 38170 Attention (message repeated) Out	USB	(AB)
E11a	14-11	1300	4909	Mon	314/36 Attention 18411 82972 69814 ... 10247 18757 79514 Attention (message repeated) Out	USB	(AB-POL)
E11a	15-11	0715	9130	Tue	630/31 Attention 62099 80162 80945 ... 34228 82915 03875 Attention (message repeated) Out	USB	(AB)
E11a	15-11	0845	17378	Tue	155/28 Attention 31258 80318 62088 ... 55974 46243 78717 Attention (message repeated) Out	USB	(PY/HFD)
E11a	16-11	0745	17378	Wed	347/37 Attention 27106 11979 90460 ... 44226 90381 40496 Attention (message repeated) Out	USB	(AB-POL)
E11a	16-11	0930	7469	Wed	276/34 Attention 76510 08343 17996 ... 98252 80382 66391 Attention (message repeated) Out	USB	(AB)
E11a	16-11	1045	11100	Wed	696/34 Attention 10736 00474 59535 ... 63203 09997 38170 Attention (message repeated) Out	USB	(AB)
E11a	17-11	0845	17378	Thu	155/28 Attention 31258 80318 62088 ... 55974 46243 78717 Attention (message repeated) Out	USB	(AB)
E11a	17-11	0930	7469	Thu	276/34 Attention 76510 08343 17996 ... 98252 80382 66391 Attention (message repeated) Out	USB	(AB)
E11a	17-11	1300	4909	Thu	314/36 Attention 18411 82972 69814 ... 10247 18757 79514 Attention (message repeated) Out	USB	(AB-POL)
E11a	18-11	0715	9130	Fri	630/31 Attention 62099 80162 80945 ... 34228 82915 03875 Attention (message repeated) Out	USB	(AB)
E11a	18-11	0745	17378	Fri	347/37 Attention 27106 11979 90460 ... 44226 90381 40496 Attention (message repeated) Out	USB	(AB-POL)
E11a	19-11	0700	5371	Sat	498/31 Attention 95221 12737 43521 ... 39740 55734 28426 Attention (message repeated) Out	USB	(AB)
E11a	20-11	0700	5371	Sun	498/31 Attention 95221 12737 43521 ... 39740 55734 28426 Attention (message repeated) Out	USB	(AB)
E11a	21-11	0450	4909	Mon	412/40 Attention 71297 17277 91462 ... 44786 89514 94437 Attention (message repeated) Out	USB	(AB)
E11a	21-11	0640	16005	Mon	946/35 Attention 62043 42765 98866 ... 38158 84541 45493 Attention (message repeated) Out	USB	(AB)
E11a	21-11	0745	10213	Mon	269/36 Attention 36275 95278 38197 ... 75778 81043 24565 Attention (message repeated) Out	USB	(AB)
E11a	21-11	0900	11092	Mon	532/38 Attention 99979 92437 25161 ... 99167 76317 23000 Attention (message repeated) Out	USB	(AB)
E11a	21-11	1745	12924	Mon	248/33 Attention 81797 09005 72497 ... 25553 67473 55987 Attention (message repeated) Out	USB	(AB-CYP)
E11a	21-11	1900	6849	Mon	648/33 Attention 04950 98308 06101 ... 27303 42377 14602 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-11	0645	7840	Tue	511/33 Attention 75156 32869 92425 ... 52395 76805 27589 Attention (message repeated) Out	USB	(AB)
E11a	22-11	0745	13908	Tue	220/32 Attention 62940 69424 97591 ... 82018 02783 84075 Attention (message repeated) Out	USB	(AB)
E11a	22-11	1605	5432	Tue	232/36 Attention 36141 72564 22052 ... 02421 33978 80317 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	23-11	0640	16005	Wed	946/35 Attention 62043 42765 98866 ... 38158 84541 45493 Attention (message repeated) Out	USB	(AB)
E11a	23-11	0900	11092	Wed	532/38 Attention 99979 92437 25161 ... 99167 76317 23000 Attention (message repeated) Out	USB	(AB)
E11a	24-11	0645	7840	Thu	511/33 Attention 75156 32869 92425 ... 52395 76805 27589 Attention (message repeated) Out	USB	(AB)
E11a	24-11	0745	13908	Thu	220/32 Attention 62940 69424 97591 ... 82018 02783 84075 Attention (message repeated) Out	USB	(AB)
E11a	24-11	0820	5149	Thu	439/37 Attention 24368 51827 36668 ... 05945 93046 44969 Attention (message repeated) Out	USB	(AB)
E11a	24-11	1530	5409	Thu	269/36 Attention 36275 95278 38197 ... 75778 81043 24565 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	24-11	1730	5779	Thu	412/40 Attention 71297 17277 91462 ... 44786 89514 94437 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	24-11	1900	6849	Thu	648/33 Attention 04950 98308 06101 ... 27303 42377 14602 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	25-11	0820	5149	Fri	439/37 Attention 24368 51827 36668 ... 05945 93046 44969 Attention (message repeated) Out	USB	(AB)



E11a	25-11	1815	6849	Fri	924/36 Attention 03639 45496 33067 ... 93597 57635 21776 Attention (message repeated) Out	USB	(AB)
E11a	26-11	1530	4909	Sat	367/36 Attention 15726 07179 55172 ... 99043 05055 70483 Attention (message repeated) Out	USB	(AB/IKL-HOL/MPJ)
E11a	27-11	1530	4909	Sun	367/36 Attention 15726 07179 55172 ... 99043 05055 70483 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	27-11	1605	5432	Sun	232/36 Attention 36141 72564 22052 ... 02421 33978 80317 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	27-11	1745	12924	Sun	248/33 Attention 81797 09005 72497 ... 25553 67473 55987 Attention (message repeated) Out	USB	(AB-POL/MPJ-AUT)
E11a	27-11	1815	6849	Sun	924/36 Attention 03639 45496 33067 ... 93597 57635 21776 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	28-11	0715	11104	Mon	752/36 Attention 20013 78903 70458 ... 41011 15369 51216 Attention (message repeated) Out	USB	(AB)
E11a	28-11	0845	12067	Mon	711/33 Attention 92447 97517 93864 ... 11078 91829 48229 Attention (message repeated) out	USB	(AB)
E11a	30-11	0715	11104	Wed	752/36 Attention 20013 78903 70458 ... 41011 15369 51216 Attention (message repeated) Out	USB	(AB)
E11a	30-11	0845	12067	Wed	711/33 Attention 92447 97517 93864 ... 11078 91829 48229 Attention (message repeated) out	USB	(AB)
EGY	4-11	1450	17410	Fri	Egyptian diplo	CODAN-3012	(AB)
EGY	7-11	0947	14445.7	Mon	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	11-11	0900	16217.7	Fri	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	23-11	1310	14444	Wed	Egyptian diplo i.p. traffic was sent in CODAN-3012	SITOR-A 100/170	(AB)
F01	1-11	1015	12177	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	1-11	1025	10671	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	1-11	1035	8024	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	2-11	1015	12177	Wed	Russian diplo/intel. 17524 63179 44988 ... 74293 06365 18407 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-11	1025	10671	Wed	Russian diplo/intel. 17524 63179 44988 ... 74293 06365 18407 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-11	1035	8024	Wed	Russian diplo/intel. 17524 63179 44988 ... 74293 06365 18407 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-11	1940	8172	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	2-11	1950	6791	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	2-11	2000	4546	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	3-11	1015	12177	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	3-11	1025	10671	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	3-11	1035	8024	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	4-11	1015	12177	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	4-11	1025	10671	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	4-11	1035	8024	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-11	1015	12177	Mon	Russian diplo/intel. 77114 20222 07181 ... 57366 58998 21413 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-11	1025	10671	Mon	Russian diplo/intel. 77114 20222 07181 ... 57366 58998 21413 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-11	1035	8024	Mon	Russian diplo/intel. 77114 20222 07181 ... 57366 58998 21413 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-11	1015	12177	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8-11	1025	10671	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8-11	1035	8024	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9-11	1015	12177	Wed	Russian diplo/intel. 07795 07066 91856 ... 71877 58309 24427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	9-11	1025	10671	Wed	Russian diplo/intel. 07795 07066 91856 ... 71877 58309 24427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	9-11	1035	8024	Wed	Russian diplo/intel. 07795 07066 91856 ... 71877 58309 24427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10-11	0815	5913	Thu	Russian diplo/intel. Message(decode incomplete and truncated)	FSK 200/500	(PY)
F01	10-11	0825	7992	Thu	Russian diplo/intel. Message(decode incomplete and truncated)	FSK 200/500	(PY)
F01	10-11	0835	10687	Thu	Russian diplo/intel. Message(decode incomplete and truncated)	FSK 200/500	(PY)
F01	10-11	1015	12177	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)



F01	10-11	1025	10671	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10-11	1035	8024	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	11-11	1015	12177	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	11-11	1025	10671	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	11-11	1035	8024	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	14-11	1015	12177	Mon	Russian diplo/intel. 64896 29442 39554 ... 80524 31614 27417 00000 +++++	FSK 200/500	(AB)
F01	14-11	1025	10671	Mon	Russian diplo/intel. 64896 29442 39554 ... 80524 31614 27417 00000 +++++	FSK 200/500	(AB)
F01	14-11	1035	8024	Mon	Russian diplo/intel. 64896 29442 39554 ... 80524 31614 27417 00000 +++++	FSK 200/500	(AB)
F01	15-11	1015	12177	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	15-11	1025	10671	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	15-11	1035	8024	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	16-11	1015	12177	Wed	Russian diplo/intel. 51026 53923 19214 ... 16864 52500 30431 00000 +++++ +++++ Wrong shift	FSK 200/1000	(AB)
F01	16-11	1025	10671	Wed	Russian diplo/intel. 51026 53923 19214 ... 16864 52500 30431 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-11	1035	8024	Wed	Russian diplo/intel. 51026 53923 19214 ... 16864 52500 30431 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	17-11	1015	12177	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	17-11	1025	10671	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	17-11	1035	8024	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	18-11	1015	12177	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	18-11	1025	10671	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	18-11	1035	8024	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	21-11	1015	12177	Mon	Russian diplo/intel. 70298 32735 50340 ... 92962 23355 33419 00000 +++++ +++++	FSK 200/500	(AB)
F01	21-11	1025	10671	Mon	Russian diplo/intel. 70298 32735 50340 ... 92962 23355 33419 00000 +++++ +++++	FSK 200/500	(AB)
F01	21-11	1035	8024	Mon	Russian diplo/intel. 70298 32735 50340 ... 92962 23355 33419 00000 +++++ +++++	FSK 200/500	(AB)
F01	22-11	1015	12177	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	22-11	1025	10671	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	22-11	1035	8024	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	23-11	1015	12177	Wed	Russian diplo/intel. 29341 67628 22221 ... 81714 95104 36421 00000 +++++ +++++ +++++	FSK 200/1000	(AB)
F01	23-11	1025	10671	Wed	Russian diplo/intel. 29341 67628 22221 ... 81714 95104 36421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	23-11	1035	8024	Wed	Russian diplo/intel. 29341 67628 22221 ... 81714 95104 36421 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	24-11	1015	12177	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	24-11	1025	10671	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	24-11	1035	8024	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	25-11	1015	12177	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	25-11	1025	10671	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	25-11	1035	8024	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	28-11	1015	12177	Mon	Russian diplo/intel. 15514 45532 83869 ... 72065 32557 39431 00000 +++++ +++++	FSK 200/500	(AB)
F01	28-11	1025	10671	Mon	Russian diplo/intel. 15514 45532 83869 ... 72065 32557 39431 00000 +++++ +++++	FSK 200/500	(AB)
F01	28-11	1035	8024	Mon	Russian diplo/intel. 15514 45532 83869 ... 72065 32557 39431 00000 +++++ +++++	FSK 200/500	(AB)
F01	29-11	1015	12177	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-11	1025	10671	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-11	1035	8024	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	30-11	1015	12177	Wed	Russian diplo/intel. 97616 07150 43607 ... 19434 75543 42415 00000 +++++ +++++ +++++	FSK 200/1000	(AB)

<b>F01</b>	30-11	1025	10671	Wed	Russian diplo/intel. 97616 07150 43607 ... 19434 75543 42415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	30-11	1035	8024	Wed	Russian diplo/intel. 97616 07150 43607 ... 19434 75543 42415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
<b>F02</b>	1-11	0730	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	1-11	0730	18449	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	1-11	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	1-11	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	7-11	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	7-11	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	8-11	0730	16274	Tue	Russian domestic net. QSX 17475 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	8-11	0730	17475	Tue	Russian domestic net. QSX 16274 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	8-11	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	8-11	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	14-11	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	14-11	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	15-11	0700	16312	Tue	Russian domestic net. QSX 18453 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	15-11	0700	18453	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	15-11	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	15-11	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	21-11	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	21-11	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	22-11	0700	16334	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	22-11	0700	18449	Tue	Russian domestic net. QSX 16334 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	22-11	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	22-11	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	28-11	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	28-11	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-11	0700	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-11	0700	18449	Tue	Russian domestic net. QSX 16334 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-11	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-11	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F03</b>	1-11	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	1-11	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	8-11	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	8-11	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	10-11	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	10-11	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	15-11	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	15-11	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	17-11	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	17-11	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	22-11	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	22-11	0640	14415	Tue	Polish intel.	FSK	(AB)

<b>F03</b>	24-11	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	24-11	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	29-11	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	29-11	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03j</b>	1-11	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-11	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-11	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
<b>F03j</b>	1-11	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
<b>F03j</b>	2-11	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-11	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-11	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-11	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-11	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	4-11	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	4-11	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-11	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-11	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-11	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-11	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	4-11	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	5-11	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	5-11	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	6-11	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	6-11	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-11	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	7-11	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	7-11	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-11	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-11	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	9-11	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	9-11	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	9-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-11	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-11	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-11	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	11-11	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	11-11	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-11	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-11	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-11	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-11	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ-POL)
<b>F03j</b>	11-11	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ-POL)
<b>F03j</b>	12-11	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	12-11	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	13-11	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	13-11	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-11	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	14-11	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	14-11	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-11	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-11	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-11	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	16-11	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	16-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-11	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-11	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	17-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-11	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-11	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-11	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-11	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	18-11	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	19-11	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-11	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-11	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-11	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
F03j	21-11	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
F03j	21-11	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-11	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-11	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-11	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-11	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-11	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-11	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-11	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-11	0135	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-11	0140	5779	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-11	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	0135	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-11	0140	5779	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-11	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-11	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)



<b>F03j</b>	25-11	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-11	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-11	0135	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-11	0140	5779	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-11	0135	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-11	0140	5779	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-11	0135	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	28-11	0140	5779	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
<b>F03j</b>	28-11	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-11	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-11	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-11	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-11	0135	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-11	0140	5779	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-11	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-11	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-11	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	29-11	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	30-11	0135	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-11	0140	5779	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-11	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-11	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-11	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-11	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03I</b>	1-11	0835	14415	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-11	0840	14415	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-11	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-11	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-11	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-11	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-11	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	3-11	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-11	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-11	0835	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-11	0840	14415	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-11	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	3-11	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	4-11	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-11	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	4-11	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	5-11	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-11	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-11	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-11	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-11	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-11	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-11	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-11	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-11	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-11	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-11	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-11	0835	14415	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-11	0840	14415	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)

<b>F03I</b>	8-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-11	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-11	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-11	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0720	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0725	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-11	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	11-11	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
<b>F03I</b>	11-11	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
<b>F03I</b>	12-11	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	12-11	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	12-11	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
<b>F03I</b>	12-11	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)



F03I	13-11	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-11	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-11	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	13-11	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	14-11	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	14-11	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	14-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-11	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	15-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	15-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	15-11	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	15-11	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-11	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-11	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	16-11	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-11	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-11	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-11	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-11	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-11	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-11	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-11	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	19-11	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-11	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-11	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	19-11	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	20-11	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-11	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-11	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	20-11	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	21-11	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	21-11	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	21-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	21-11	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-11	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	22-11	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	22-11	1335	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-11	1340	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-11	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0615	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0720	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0725	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-11	1335	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	24-11	1340	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-11	0735	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0740	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	25-11	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	1335	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-11	1340	8800	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-11	0735	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-11	0740	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-11	1335	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-11	1340	8800	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	27-11	0735	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-11	0740	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-11	1335	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-11	1340	8800	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	28-11	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	28-11	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	1040	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	1335	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	28-11	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-11	1340	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-11	0615	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-11	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	29-11	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03I	30-11	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0735	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0740	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1040	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1335	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-11	1340	8800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	1-11	0030	9277	Tue	Russian diplo/intel. 11166 60070 34689 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-11	0040	8078	Tue	Russian diplo/intel. 11166 60070 34689 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-11	0050	7412	Tue	Russian diplo/intel. 11166 60070 34689 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-11	0430	9043	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(PY)
F06	1-11	0440	7546	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(PY)
F06	1-11	0450	6833	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(PY)
F06	1-11	0520	10975	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(linkz)
F06	1-11	0700	12177	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB)
F06	1-11	0710	10156	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB)
F06	1-11	0720	8138	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB)
F06	1-11	0820	13486	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(linkz)
F06	1-11	1200	10231	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB/MPJ)
F06	1-11	1210	8082	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB/MPJ)
F06	1-11	1220	6869	Tue	Russian diplo/intel. 11166 70202 32514 31047 02099 and 11166 70202 48251 31048 01739	FSK 200/1000	(AB/MPJ)
F06	1-11	1240	10376	Tue	Russian diplo/intel. 11166 30154 75398 01051 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	1-11	1250	8128	Tue	Russian diplo/intel. 11166 30154 75398 01051 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	1-11	1650	10536	Tue	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB/MPJ)
F06	1-11	1700	8174	Tue	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB/MPJ)
F06	1-11	1710	7318	Tue	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB/MPJ)
F06	2-11	0600	20082	Wed	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	2-11	0610	18207	Wed	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	2-11	0620	16141	Wed	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	2-11	0700	12177	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)
F06	2-11	0710	10156	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)
F06	2-11	0720	8138	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)
F06	2-11	1200	10231	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)
F06	2-11	1210	8082	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)
F06	2-11	1220	6869	Wed	Russian diplo/intel. 11166 70202 74692 01049 02759	FSK 200/1000	(AB)

F06	2-11	1650	10536	Wed	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB)
F06	2-11	1700	8174	Wed	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB)
F06	2-11	1710	7318	Wed	Russian diplo/intel. 11166 10053 23971 01073 01669	FSK 200/1000	(AB)
F06	3-11	0600	20082	Thu	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	3-11	0610	18207	Thu	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	3-11	0620	16141	Thu	Russian diplo/intel. 11166 40122 23689 29027 03719	FSK 200/1000	(AB-KOR)
F06	3-11	0700	12177	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	0710	10156	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	0720	8138	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	1200	10231	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	1210	8082	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	1220	6869	Thu	Russian diplo/intel. 11166 70202 12568 02050 01639 and 11166 70202 85147 02051 01859	FSK 200/1000	(AB)
F06	3-11	1300	12218	Thu	Russian diplo/intel. Header: 11100 00000 96547 02053 07229	FSK 200/1000	(PY)
F06	3-11	1310	11535	Thu	Russian diplo/intel. Header: 11100 00000 96547 02053 07229	FSK 200/1000	(PY)
F06	3-11	1320	10162	Thu	Russian diplo/intel. Header: 11100 00000 96547 02053 07229	FSK 200/1000	(PY)
F06	4-11	0700	12177	Fri	Russian diplo/intel. 11166 70202 97642 04027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-11	0710	10156	Fri	Russian diplo/intel. 11166 70202 97642 04027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-11	0720	8138	Fri	Russian diplo/intel. 11166 70202 97642 04027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-11	1530	10644	Sun	Russian diplo/intel. 11166 10053 12345 06045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-11	1540	8159	Sun	Russian diplo/intel. 11166 10053 12345 06045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-11	1550	7438	Sun	Russian diplo/intel. 11166 10053 12345 06045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-11	0500	8174	Mon	Russian diplo/intel. 11166 70059 54879 07075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-11	0510	7316	Mon	Russian diplo/intel. 11166 70059 54879 07075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-11	0520	5929	Mon	Russian diplo/intel. 11166 70059 54879 07075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-11	0700	12177	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	7-11	0710	10156	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	7-11	0720	8138	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	7-11	1200	10231	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	7-11	1210	8082	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	7-11	1220	6869	Mon	Russian diplo/intel. 11166 70202 25463 03052 02479	FSK 200/1000	(AB)
F06	8-11	0030	9277	Tue	Russian diplo/intel. 11166 60070 85214 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	0040	8078	Tue	Russian diplo/intel. 11166 60070 85214 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	0050	7412	Tue	Russian diplo/intel. 11166 60070 85214 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	0430	9043	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	8-11	0440	7546	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	8-11	0450	6833	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	8-11	0700	12177	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB)
F06	8-11	0710	10156	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB)
F06	8-11	0720	8138	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB)
F06	8-11	0820	13486	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	8-11	1200	10231	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB)
F06	8-11	1210	8082	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB-AUT)



F06	8-11	1220	6869	Tue	Russian diplo/intel. 11166 70202 15937 07053 01739 and 11166 70202 24685 07054 01979	FSK 200/1000	(AB-AUT)
F06	8-11	1240	10376	Tue	Russian diplo/intel. 11166 30154 95486 08073 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	8-11	1250	8128	Tue	Russian diplo/intel. 11166 30154 95486 08073 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	8-11	1310	11535	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	8-11	1310	14432	Tue	Russian diplo/intel. 11100 00000 46852 07045 03599	FSK 200/1000	(AB)
F06	8-11	1320	10162	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	8-11	1650	10536	Tue	Russian diplo/intel. 11166 10053 54879 08075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	1700	8174	Tue	Russian diplo/intel. 11166 10053 54879 08075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-11	1710	7318	Tue	Russian diplo/intel. 11166 10053 54879 08075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-11	0430	9043	Wed	Russian diplo/intel. 11100 00000 65841 08075 07529	FSK 200/1000	(AB)
F06	9-11	0440	7546	Wed	Russian diplo/intel. 11100 00000 65841 08075 07529	FSK 200/1000	(AB)
F06	9-11	0450	6833	Wed	Russian diplo/intel. 11100 00000 65841 08075 07529	FSK 200/1000	(AB)
F06	9-11	0600	20082	Wed	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-RUS)
F06	9-11	0610	18207	Wed	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-KOR)
F06	9-11	0620	16141	Wed	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-KOR)
F06	9-11	0700	12177	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	0710	10156	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	0720	8138	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	0730	20964	Wed	Russian diplo/intel. 11100 00000 37681 05006 07129	FSK 200/1000	(AB-RUS)
F06	9-11	0740	20187	Wed	Russian diplo/intel. 11100 00000 37681 05006 07129	FSK 200/1000	(AB-RUS)
F06	9-11	0750	18914	Wed	Russian diplo/intel. 11100 00000 37681 05006 07129	FSK 200/1000	(AB-RUS)
F06	9-11	1030	24083	Wed	Russian diplo/intel. 11166 40023 75319 09001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	9-11	1045	22887	Wed	Russian diplo/intel. 11166 40023 75319 09001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	9-11	1200	10231	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	1210	8082	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	1220	6869	Wed	Russian diplo/intel. 11166 70202 42871 08055 02419	FSK 200/1000	(AB)
F06	9-11	1350	10158	Wed	Russian diplo/intel. 11100 00000 12547 08077 10029	FSK 200/1000	(AB)
F06	10-11	0520	10975	Thu	Russian diplo/intel. 11100 00000 96321 09079 07229	FSK 200/1000	(AB-RUS)
F06	10-11	0600	20082	Thu	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-RUS)
F06	10-11	0610	18207	Thu	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-KOR)
F06	10-11	0620	16141	Thu	Russian diplo/intel. 11166 40122 76580 05028 03159 and 11166 40122 14670 05029 02329	FSK 200/1000	(AB-KOR)
F06	10-11	0700	12177	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB)
F06	10-11	0710	10156	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB)
F06	10-11	0720	8138	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB)
F06	10-11	0730	20964	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB-FIN)
F06	10-11	0740	20187	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB-RUS)
F06	10-11	0750	18914	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB-RUS)
F06	10-11	0815	5089	Thu	Russian diplo/intel. 11100 00000 65478 10057 02759	FSK 200/1000	(PY)
F06	10-11	0825	7337	Thu	Russian diplo/intel. 11100 00000 65478 10057 02759	FSK 200/1000	(PY)
F06	10-11	0835	9481	Thu	Russian diplo/intel. 11100 00000 65478 10057 02759	FSK 200/1000	(PY)
F06	10-11	1200	10231	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB/MPJ)
F06	10-11	1210	8082	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB/MPJ)

F06	10-11	1220	6869	Thu	Russian diplo/intel. 11166 70202 93254 09056 01859 and 11166 70202 93158 09057 01659	FSK 200/1000	(AB/MPJ)
F06	10-11	1300	12218	Thu	Russian diplo/intel. 11100 00000 96321 09079 07229	FSK 200/1000	(AB)
F06	10-11	1310	11535	Thu	Russian diplo/intel. 11100 00000 96321 09079 07229	FSK 200/1000	(AB)
F06	10-11	1320	10162	Thu	Russian diplo/intel. 11100 00000 96321 09079 07229	FSK 200/1000	(AB)
F06	10-11	1350	10158	Thu	Russian diplo/intel. 11100 00000 36987 09080 03029 and 11100 00000 25871 09081 03029	FSK 200/1000	(AB)
F06	11-11	0430	9043	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	0440	7546	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	0450	6833	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	0520	10975	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(AB-RUS)
F06	11-11	0530	9907	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(PY)
F06	11-11	0540	8184	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(PY))
F06	11-11	0700	12177	Fri	Russian diplo/intel. 11166 70202 13458 11005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-11	0710	10156	Fri	Russian diplo/intel. 11166 70202 13458 11005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-11	0720	8138	Fri	Russian diplo/intel. 11166 70202 13458 11005 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-11	0730	20964	Fri	Russian diplo/intel. 11100 00000 67284 05008 07129	FSK 200/1000	(AB-RUS)
F06	11-11	0740	20187	Fri	Russian diplo/intel. 11100 00000 67284 05008 07129	FSK 200/1000	(AB-RUS)
F06	11-11	0750	18914	Fri	Russian diplo/intel. 11100 00000 67284 05008 07129	FSK 200/1000	(AB-RUS)
F06	11-11	0800	16007	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	0810	14513	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	0820	13486	Fri	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB)
F06	11-11	1300	12218	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(AB)
F06	11-11	1310	11535	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(AB)
F06	11-11	1320	10162	Fri	Russian diplo/intel. 11100 00000 85691 10083 03129 and 11100 00000 74521 10084 03129	FSK 200/1000	(AB)
F06	11-11	1340	10984	Fri	Russian diplo/intel. 11100 00000 35794 10085 03029 and 11100 00000 12495 10086 03029	FSK 200/1000	(AB)
F06	11-11	1350	10158	Fri	Russian diplo/intel. 11100 00000 35794 10085 03029 and 11100 00000 12495 10086 03029	FSK 200/1000	(AB)
F06	12-11	0430	9043	Sat	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB-POL)
F06	12-11	0440	7546	Sat	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB-POL)
F06	12-11	0450	6833	Sat	Russian diplo/intel. 11100 00000 13259 10082 05029	FSK 200/1000	(AB-POL)
F06	12-11	0520	10975	Sat	Russian diplo/intel. 11100 00000 24685 11087 03029 and 11100 00000 95481 11088 03029	FSK 200/1000	(AB-RUS)
F06	12-11	0530	9907	Sat	Russian diplo/intel. 11100 00000 24685 11087 03029 and 11100 00000 95481 11088 03029	FSK 200/1000	(PY)
F06	12-11	0540	8184	Sat	Russian diplo/intel. 11100 00000 24685 11087 03029 and 11100 00000 95481 11088 03029	FSK 200/1000	(PY))
F06	12-11	0730	20964	Sat	Russian diplo/intel. 11100 00000 52189 06009 03529 and 11100 00000 67214 06010 03529	FSK 200/1000	(AB-FIN)
F06	12-11	0740	20187	Sat	Russian diplo/intel. 11100 00000 52189 06009 03529 and 11100 00000 67214 06010 03529	FSK 200/1000	(AB-FIN)
F06	12-11	0750	18914	Sat	Russian diplo/intel. 11100 00000 52189 06009 03529 and 11100 00000 67214 06010 03529	FSK 200/1000	(AB-RUS)
F06	13-11	0520	10975	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB-POL)
F06	13-11	0530	9907	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB-POL)
F06	13-11	0540	8184	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB-POL)
F06	13-11	0730	20964	Sun	Russian diplo/intel. 11100 00000 46831 05011 03529 and 11100 00000 19765 05012 03529	FSK 200/1000	(AB-RUS)
F06	13-11	0740	20187	Sun	Russian diplo/intel. 11100 00000 46831 05011 03529 and 11100 00000 19765 05012 03529	FSK 200/1000	(AB-RUS)
F06	13-11	0750	18914	Sun	Russian diplo/intel. 11100 00000 46831 05011 03529 and 11100 00000 19765 05012 03529	FSK 200/1000	(AB-RUS)
F06	13-11	1300	12218	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB)
F06	13-11	1310	11535	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB)



F06	13-11	1320	10162	Sun	Russian diplo/intel. 11100 00000 12875 11090 03029 and 11100 00000 94328 11091 03029	FSK 200/1000	(AB)
F06	13-11	1530	10644	Sun	Russian diplo/intel. 11166 10053 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-11	1540	8159	Sun	Russian diplo/intel. 11166 10053 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-11	1550	7438	Sun	Russian diplo/intel. 11166 10053 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-11	0430	9043	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	0440	7546	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	0450	6833	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	0520	10975	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB)
F06	14-11	0530	9907	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB)
F06	14-11	0540	8184	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB-POL)
F06	14-11	0700	12177	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	0710	10156	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	0720	8138	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	0730	20964	Mon	Russian diplo/intel. 11100 00000 98521 12013 07129	FSK 200/1000	(AB-RUS)
F06	14-11	0740	20187	Mon	Russian diplo/intel. 11100 00000 98521 12013 07129	FSK 200/1000	(AB-RUS)
F06	14-11	0750	18914	Mon	Russian diplo/intel. 11100 00000 98521 12013 07129	FSK 200/1000	(AB-RUS)
F06	14-11	0800	16007	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	0810	14513	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	0820	13486	Mon	Russian diplo/intel. 11100 00000 85214 11093 03359 and 11100 00000 79528 11094 03359	FSK 200/1000	(AB)
F06	14-11	1200	10231	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	1210	8082	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	1220	6869	Mon	Russian diplo/intel. 11166 70202 42891 11058 02779	FSK 200/1000	(AB)
F06	14-11	1300	12218	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB)
F06	14-11	1310	11535	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB)
F06	14-11	1320	10162	Mon	Russian diplo/intel. 11100 00000 96315 11095 03529 and 11100 00000 32458 11096 03529	FSK 200/1000	(AB)
F06	15-11	0030	9277	Tue	Russian diplo/intel. 11166 60070 45623 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	0040	8078	Tue	Russian diplo/intel. 11166 60070 45623 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	0050	7412	Tue	Russian diplo/intel. 11166 60070 45623 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	0430	9043	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	0440	7546	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	0450	6833	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	0520	10975	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	0530	9907	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	0540	8184	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	0700	12177	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB)
F06	15-11	0710	10156	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB)
F06	15-11	0720	8138	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB)
F06	15-11	0800	16007	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	0810	14513	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	0820	13486	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	15-11	1200	10231	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB)
F06	15-11	1210	8082	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB-AUT)

F06	15-11	1220	6869	Tue	Russian diplo/intel. 11166 70202 96581 14059 01799 and 11166 70202 54872 14060 01899	FSK 200/1000	(AB-AUT)
F06	15-11	1240	10376	Tue	Russian diplo/intel. 11166 30154 25813 15069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-11	1250	8128	Tue	Russian diplo/intel. 11166 30154 25813 15069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-11	1300	12218	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	1300	17482	Tue	Russian diplo/intel. 11100 00000 52167 14047 03139	FSK 200/1000	(AB)
F06	15-11	1310	11535	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	1310	14432	Tue	Russian diplo/intel. 11100 00000 52167 14047 03139	FSK 200/1000	(AB)
F06	15-11	1320	9944	Tue	Russian diplo/intel. 11100 00000 52167 14047 03139	FSK 200/1000	(AB)
F06	15-11	1320	10162	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	15-11	1340	10984	Tue	Russian diplo/intel. 11100 00000 34578 14011 03529 and 11100 00000 98651 14012 03529	FSK 200/1000	(AB)
F06	15-11	1350	10158	Tue	Russian diplo/intel. 11100 00000 34578 14011 03529 and 11100 00000 98651 14012 03529	FSK 200/1000	(AB)
F06	15-11	1400	9213	Tue	Russian diplo/intel. 11100 00000 34578 14011 03529 and 11100 00000 98651 14012 03529	FSK 200/1000	(AB)
F06	15-11	1650	10536	Tue	Russian diplo/intel. 11166 10053 75214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	1700	8174	Tue	Russian diplo/intel. 11166 10053 75214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	1710	7318	Tue	Russian diplo/intel. 11166 10053 75214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-11	1720	4061	Tue	Russian diplo/intel. 11100 00000 34578 14011 03529 and 11100 00000 98651 14012 03529	FSK 200/1000	(AB)
F06	16-11	0430	9043	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	0440	7546	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	0450	6833	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	0600	20082	Wed	Russian diplo/intel. 11166 40122 26591 16025 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16-11	0610	18207	Wed	Russian diplo/intel. 11166 40122 26591 16025 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	16-11	0620	16141	Wed	Russian diplo/intel. 11166 40122 26591 16025 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	16-11	0700	12177	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	0710	10156	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	0720	8138	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	0730	20964	Wed	Russian diplo/intel. 11100 00000 96325 12015 07129	FSK 200/1000	(AB-RUS)
F06	16-11	0740	20187	Wed	Russian diplo/intel. 11100 00000 96325 12015 07129	FSK 200/1000	(AB-RUS)
F06	16-11	0750	18914	Wed	Russian diplo/intel. 11100 00000 96325 12015 07129	FSK 200/1000	(AB-RUS)
F06	16-11	0800	16007	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	0810	14513	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	0820	13486	Wed	Russian diplo/intel. 11100 00000 24685 15013 07529	FSK 200/1000	(AB)
F06	16-11	1200	10231	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	1210	8082	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	1220	6869	Wed	Russian diplo/intel. 11166 70202 75194 15061 02879	FSK 200/1000	(AB)
F06	16-11	1300	12218	Wed	Russian diplo/intel. File 44414	FSK 200/1000	(AB)
F06	16-11	1310	11535	Wed	Russian diplo/intel. File 44414	FSK 200/1000	(AB)
F06	16-11	1320	10162	Wed	Russian diplo/intel. File 44414	FSK 200/1000	(AB)
F06	16-11	1340	10984	Wed	Russian diplo/intel. 11100 00000 95137 15015 10029	FSK 200/1000	(AB)
F06	16-11	1350	10158	Wed	Russian diplo/intel. 11100 00000 95137 15015 10029	FSK 200/1000	(AB)
F06	16-11	1400	9213	Wed	Russian diplo/intel. 11100 00000 95137 15015 10029	FSK 200/1000	(AB)
F06	16-11	1720	4061	Wed	Russian diplo/intel. 11100 00000 95137 15015 10029	FSK 200/1000	(AB)
F06	17-11	0520	10975	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)

F06	17-11	0530	9907	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)
F06	17-11	0540	8184	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)
F06	17-11	0700	12177	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB)
F06	17-11	0710	10156	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB)
F06	17-11	0720	8138	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB)
F06	17-11	1200	10231	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB/MPJ)
F06	17-11	1210	8082	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB/MPJ)
F06	17-11	1220	6869	Thu	Russian diplo/intel. 11166 70202 18432 16062 01579 and 11166 70202 64328 16063 01639	FSK 200/1000	(AB/MPJ)
F06	17-11	1300	12218	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)
F06	17-11	1310	11535	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)
F06	17-11	1320	10162	Thu	Russian diplo/intel. 11100 00000 18745 16017 07229	FSK 200/1000	(AB)
F06	17-11	1340	10984	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	17-11	1350	10158	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	17-11	1400	9213	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	17-11	1700	5417	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	17-11	1710	4753	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	17-11	1720	4061	Thu	Russian diplo/intel. 11100 00000 19278 16018 03029 and 11100 00000 32176 16019 03029	FSK 200/1000	(AB)
F06	18-11	0430	9043	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	0440	7546	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	0450	6833	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	0520	10975	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	0530	9907	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	0540	8184	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	0700	12177	Fri	Russian diplo/intel. 11166 70202 65214 18053 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0710	10156	Fri	Russian diplo/intel. 11166 70202 65214 18053 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0720	8138	Fri	Russian diplo/intel. 11166 70202 65214 18053 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	18-11	0730	20964	Fri	Russian diplo/intel. 11100 00000 10254 12017 07129	FSK 200/1000	(AB-RUS)
F06	18-11	0740	20187	Fri	Russian diplo/intel. 11100 00000 10254 12017 07129	FSK 200/1000	(AB-RUS)
F06	18-11	0750	18914	Fri	Russian diplo/intel. 11100 00000 10254 12017 07129	FSK 200/1000	(AB-RUS)
F06	18-11	0800	16007	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	0810	14513	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	0820	13486	Fri	Russian diplo/intel. 11100 00000 14259 17020 05029	FSK 200/1000	(AB)
F06	18-11	1300	12218	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	1310	11535	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	1320	10162	Fri	Russian diplo/intel. 11100 00000 82691 17021 03129 and 11100 00000 74521 17022 03129	FSK 200/1000	(AB)
F06	18-11	1340	10984	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	18-11	1350	10158	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	18-11	1400	9213	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	18-11	1700	5417	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	18-11	1710	4753	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	18-11	1720	4061	Fri	Russian diplo/intel. 11100 00000 31794 17023 03029 and 11100 00000 13495 17024 03029	FSK 200/1000	(AB)
F06	19-11	0520	10975	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)

F06	19-11	0530	9907	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)
F06	19-11	0540	8184	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)
F06	19-11	0730	20964	Sat	Russian diplo/intel. 11100 00000 23689 13018 03529 and 11100 00000 23685 13019 03529	FSK 200/1000	(AB-RUS)
F06	19-11	0740	20187	Sat	Russian diplo/intel. 11100 00000 23689 13018 03529 and 11100 00000 23685 13019 03529	FSK 200/1000	(AB-RUS)
F06	19-11	0750	18914	Sat	Russian diplo/intel. 11100 00000 23689 13018 03529 and 11100 00000 23685 13019 03529	FSK 200/1000	(AB-RUS)
F06	19-11	1300	12218	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)
F06	19-11	1310	11535	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)
F06	19-11	1320	10162	Sat	Russian diplo/intel. 11100 00000 89451 18025 03029 and 11100 00000 12548 18026 03029	FSK 200/1000	(AB)
F06	19-11	1340	10984	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	19-11	1350	10158	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	19-11	1400	9213	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	19-11	1700	5417	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	19-11	1710	4753	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	19-11	1720	4061	Sat	Russian diplo/intel. File 44427	FSK 200/1000	(AB)
F06	20-11	0520	10975	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	0530	9907	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	0540	8184	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	0730	20964	Sun	Russian diplo/intel. 11100 00000 78541 12020 03529 and 11100 00000 96587 12021 03529	FSK 200/1000	(AB-RUS)
F06	20-11	0740	20187	Sun	Russian diplo/intel. 11100 00000 78541 12020 03529 and 11100 00000 96587 12021 03529	FSK 200/1000	(AB-RUS)
F06	20-11	0750	18914	Sun	Russian diplo/intel. 11100 00000 78541 12020 03529 and 11100 00000 96587 12021 03529	FSK 200/1000	(AB-RUS)
F06	20-11	1300	12218	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	1310	11535	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	1320	10162	Sun	Russian diplo/intel. 11100 00000 67143 18028 03029 and 11100 00000 24867 18029 03029	FSK 200/1000	(AB)
F06	20-11	1530	10644	Sun	Russian diplo/intel. 11166 10053 25790 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-11	1540	8159	Sun	Russian diplo/intel. 11166 10053 25790 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-11	1550	7438	Sun	Russian diplo/intel. 11166 10053 25790 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-11	1700	5417	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06	20-11	1710	4753	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06	20-11	1720	4061	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06	21-11	0430	9043	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	0440	7546	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	0450	6833	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	0500	8174	Mon	Russian diplo/intel. 11166 70059 21208 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-11	0510	7316	Mon	Russian diplo/intel. 11166 70059 21208 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-11	0520	5929	Mon	Russian diplo/intel. 11166 70059 21208 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-11	0520	10975	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB)
F06	21-11	0530	9907	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB)
F06	21-11	0540	8184	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB-POL)
F06	21-11	0700	12177	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	0710	10156	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	0720	8138	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	0730	20964	Mon	Russian diplo/intel. 11100 00000 13968 19022 07129	FSK 200/1000	(AB-RUS)

F06	21-11	0740	20187	Mon	Russian diplo/intel. 11100 00000 13968 19022 07129	FSK 200/1000	(AB-RUS)
F06	21-11	0750	18914	Mon	Russian diplo/intel. 11100 00000 13968 19022 07129	FSK 200/1000	(AB-RUS)
F06	21-11	0800	16007	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	0810	14513	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	0820	13486	Mon	Russian diplo/intel. 11100 00000 23514 18031 03359 and 11100 00000 23514 18031 03359	FSK 200/1000	(AB)
F06	21-11	1200	10231	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	1210	8082	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	1220	6869	Mon	Russian diplo/intel. 11166 70202 79365 18064 02739	FSK 200/1000	(AB)
F06	21-11	1300	12218	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB)
F06	21-11	1310	11535	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB)
F06	21-11	1320	10162	Mon	Russian diplo/intel. 11100 00000 85412 18033 03529 and 11100 00000 62354 18034 03529	FSK 200/1000	(AB)
F06	21-11	1700	5417	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB)
F06	21-11	1710	4753	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB)
F06	21-11	1720	4061	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB)
F06	22-11	0030	9277	Tue	Russian diplo/intel. 11166 60070 75319 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	0040	8078	Tue	Russian diplo/intel. 11166 60070 75319 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	0050	7412	Tue	Russian diplo/intel. 11166 60070 75319 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	0430	9043	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	0440	7546	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	0450	6833	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	0520	10975	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	0530	9907	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	0540	8184	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	0700	12177	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB)
F06	22-11	0710	10156	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB)
F06	22-11	0720	8138	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB)
F06	22-11	0800	16007	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	0810	14513	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	0820	13486	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	22-11	1200	10231	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB/MPJ)
F06	22-11	1210	8082	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB-AUT/MPJ)
F06	22-11	1220	6869	Tue	Russian diplo/intel. 11166 70202 36985 21065 01739 and 11166 70202 54782 21066 01859	FSK 200/1000	(AB-AUT/MPJ)
F06	22-11	1230	13831	Tue	Russian diplo/intel. 11166 30154 79516 22082 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	22-11	1240	10376	Tue	Russian diplo/intel. 11166 30154 79516 22082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	22-11	1250	8128	Tue	Russian diplo/intel. 11166 30154 79516 22082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	22-11	1300	12218	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	1310	11535	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	1310	14432	Tue	Russian diplo/intel. 11100 00000 39752 21049 03179	FSK 200/1000	(AB)
F06	22-11	1320	9944	Tue	Russian diplo/intel. 11100 00000 39752 21049 03179	FSK 200/1000	(AB)
F06	22-11	1320	10162	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	22-11	1340	10984	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB)
F06	22-11	1350	10158	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB)



F06	22-11	1400	9213	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB)
F06	22-11	1650	10536	Tue	Russian diplo/intel. 11166 10053 54213 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	1700	8174	Tue	Russian diplo/intel. 11166 10053 54213 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	1700	5417	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB/MPJ)
F06	22-11	1710	7318	Tue	Russian diplo/intel. 11166 10053 54213 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-11	1710	4753	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB/MPJ)
F06	22-11	1720	4061	Tue	Russian diplo/intel. 11100 00000 96325 21048 03529 and 11100 00000 98651 21049 03529	FSK 200/1000	(AB/MPJ)
F06	23-11	0430	9043	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	0440	7546	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	0450	6833	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	0600	20082	Wed	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)
F06	23-11	0610	18207	Wed	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)
F06	23-11	0620	16141	Wed	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)
F06	23-11	0700	12177	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	0710	10156	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	0720	8138	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	0730	20964	Wed	Russian diplo/intel. 11100 00000 85290 19024 07129	FSK 200/1000	(AB-RUS)
F06	23-11	0740	20187	Wed	Russian diplo/intel. 11100 00000 85290 19024 07129	FSK 200/1000	(AB-RUS)
F06	23-11	0750	18914	Wed	Russian diplo/intel. 11100 00000 85290 19024 07129	FSK 200/1000	(AB-RUS)
F06	23-11	0800	16007	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	0810	14513	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	0820	13486	Wed	Russian diplo/intel. 11100 00000 24685 22050 07529	FSK 200/1000	(AB)
F06	23-11	1030	24083	Wed	Russian diplo/intel. 11166 40023 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-11	1030	27837	Wed	Russian diplo/intel. 11166 40023 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	23-11	1045	22887	Wed	Russian diplo/intel. 11166 40023 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-11	1200	10231	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	1210	8082	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	1220	6869	Wed	Russian diplo/intel. 11166 70202 12587 22067 02739	FSK 200/1000	(AB)
F06	23-11	1300	12218	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06	23-11	1310	11535	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06	23-11	1320	10162	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06	23-11	1340	10984	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	23-11	1350	10158	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	23-11	1400	9213	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	23-11	1700	5417	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	23-11	1710	4753	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	23-11	1720	4061	Wed	Russian diplo/intel. 11100 00000 95137 22052 10029	FSK 200/1000	(AB)
F06	24-11	0520	10975	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	0530	9907	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	0540	8184	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	0600	20082	Thu	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)
F06	24-11	0610	18207	Thu	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)

F06	24-11	0620	16141	Thu	Russian diplo/intel. 11166 40122 26893 19030 03189	FSK 200/1000	(AB-KOR)
F06	24-11	0700	12177	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB)
F06	24-11	0710	10156	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB)
F06	24-11	0720	8138	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB)
F06	24-11	1200	10231	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB/MPJ)
F06	24-11	1210	8082	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB/MPJ)
F06	24-11	1220	6869	Thu	Russian diplo/intel. 11166 70202 64852 23068 01759 and 11166 70202 14639 23069 01839	FSK 200/1000	(AB/MPJ)
F06	24-11	1300	12218	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	1310	11535	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	1320	10162	Thu	Russian diplo/intel. 11100 00000 31246 23054 07229	FSK 200/1000	(AB)
F06	24-11	1340	10984	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	24-11	1350	10158	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	24-11	1400	9213	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	24-11	1700	5417	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	24-11	1710	4753	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	24-11	1720	4061	Thu	Russian diplo/intel. 11100 00000 25841 23055 03029 and 11100 00000 31824 23056 03029	FSK 200/1000	(AB)
F06	25-11	0430	9043	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	0440	7546	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	0450	6833	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	0520	10975	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	0530	9907	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	0540	8184	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	0700	12177	Fri	Russian diplo/intel. 11166 70202 65214 25051 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	25-11	0710	10156	Fri	Russian diplo/intel. 11166 70202 65214 25051 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	25-11	0720	8138	Fri	Russian diplo/intel. 11166 70202 65214 25051 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	25-11	0730	20964	Fri	Russian diplo/intel. 11100 00000 95280 19026 07129	FSK 200/1000	(AB-RUS)
F06	25-11	0740	20187	Fri	Russian diplo/intel. 11100 00000 95280 19026 07129	FSK 200/1000	(AB-RUS)
F06	25-11	0750	18914	Fri	Russian diplo/intel. 11100 00000 95280 19026 07129	FSK 200/1000	(AB-RUS)
F06	25-11	0800	16007	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	0810	14513	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	0820	13486	Fri	Russian diplo/intel. 11100 00000 18342 24057 05029	FSK 200/1000	(AB)
F06	25-11	1300	12218	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	1310	11535	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	1320	10162	Fri	Russian diplo/intel. 11100 00000 75396 24058 03129 and 11100 00000 15932 24059 03129	FSK 200/1000	(AB)
F06	25-11	1340	10984	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	25-11	1350	10158	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	25-11	1400	9213	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	25-11	1700	5417	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	25-11	1710	4753	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	25-11	1720	4061	Fri	Russian diplo/intel. 11100 00000 75314 24060 03029 and 11100 00000 14238 24061 03029	FSK 200/1000	(AB)
F06	26-11	0520	10975	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)
F06	26-11	0530	9907	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)

F06	26-11	0540	8184	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)
F06	26-11	0730	20964	Sat	Russian diplo/intel. 11100 00000 85296 20027 03529	FSK 200/1000	(AB-RUS)
F06	26-11	0740	20187	Sat	Russian diplo/intel. 11100 00000 85296 20027 03529	FSK 200/1000	(AB-RUS)
F06	26-11	0750	18914	Sat	Russian diplo/intel. 11100 00000 85296 20027 03529	FSK 200/1000	(AB-RUS)
F06	26-11	1300	12218	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)
F06	26-11	1310	11535	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)
F06	26-11	1320	10162	Sat	Russian diplo/intel. 11100 00000 85214 25062 03029 and 11100 00000 93175 25063 03029	FSK 200/1000	(AB)
F06	26-11	1340	10984	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB)
F06	26-11	1350	10158	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB)
F06	26-11	1400	9213	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB)
F06	26-11	1700	5417	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB/MPJ)
F06	26-11	1710	4753	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB/MPJ)
F06	26-11	1720	4061	Sat	Russian diplo/intel. File 44464	FSK 200/1000	(AB/MPJ)
F06	27-11	0520	10975	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	0530	9907	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	0540	8184	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	0730	20964	Sun	Russian diplo/intel. 11100 00000 23509 19029 03529	FSK 200/1000	(AB-RUS)
F06	27-11	0740	20187	Sun	Russian diplo/intel. 11100 00000 23509 19029 03529	FSK 200/1000	(AB-RUS)
F06	27-11	0750	18914	Sun	Russian diplo/intel. 11100 00000 23509 19029 03529	FSK 200/1000	(AB-RUS)
F06	27-11	1300	12218	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	1310	11535	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	1320	10162	Sun	Russian diplo/intel. 11100 00000 32657 25065 03029 and 11100 00000 79641 25066 03029	FSK 200/1000	(AB)
F06	27-11	1530	10644	Sun	Russian diplo/intel. 11166 10053 98523 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-11	1540	8159	Sun	Russian diplo/intel. 11166 10053 98523 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-11	1550	7438	Sun	Russian diplo/intel. 11166 10053 98523 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-11	1700	5417	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06	27-11	1710	4753	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06	27-11	1720	4061	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06	28-11	0430	9043	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)
F06	28-11	0440	7546	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)
F06	28-11	0450	6833	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)
F06	28-11	0520	10975	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB)
F06	28-11	0530	9907	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB-POL)
F06	28-11	0540	8184	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB-POL)
F06	28-11	0700	12177	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	0710	10156	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	0720	8138	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	0730	20964	Mon	Russian diplo/intel. 11100 00000 75896 26031 07129	FSK 200/1000	(AB-RUS)
F06	28-11	0740	20187	Mon	Russian diplo/intel. 11100 00000 75896 26031 07129	FSK 200/1000	(AB-RUS)
F06	28-11	0750	18914	Mon	Russian diplo/intel. 11100 00000 75896 26031 07129	FSK 200/1000	(AB-RUS)
F06	28-11	0800	16007	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)
F06	28-11	0810	14513	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)



F06	28-11	0820	13486	Mon	Russian diplo/intel. 11100 00000 78954 25068 03359 and 11100 00000 65137 25069 03359	FSK 200/1000	(AB)
F06	28-11	1200	10231	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	1210	8082	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	1220	6869	Mon	Russian diplo/intel. 11166 70202 45617 25070 02379	FSK 200/1000	(AB)
F06	28-11	1300	12218	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB)
F06	28-11	1310	11535	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB)
F06	28-11	1320	10162	Mon	Russian diplo/intel. 11100 00000 45617 25070 03529 and 11100 00000 12349 25071 03529	FSK 200/1000	(AB)
F06	28-11	1700	5417	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06	28-11	1710	4753	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06	28-11	1720	4061	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06	29-11	0030	9277	Tue	Russian diplo/intel. 11166 60070 54879 29075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	0040	8078	Tue	Russian diplo/intel. 11166 60070 54879 29075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	0050	7412	Tue	Russian diplo/intel. 11166 60070 54879 29075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	0430	9043	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	0440	7546	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	0450	6833	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	0520	10975	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	0530	9907	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	0540	8184	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	0700	12177	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB)
F06	29-11	0710	10156	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB)
F06	29-11	0720	8138	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB)
F06	29-11	0800	16007	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	0810	14513	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	0820	13486	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	29-11	1200	10231	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB/MPJ)
F06	29-11	1210	8082	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB/MPJ)
F06	29-11	1220	6869	Tue	Russian diplo/intel. 11166 70202 25846 28071 01699 and 11166 70202 97468 28072 01939	FSK 200/1000	(AB-AUT/MPJ)
F06	29-11	1230	13831	Tue	Russian diplo/intel. 11166 30154 52814 29085 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	29-11	1240	10376	Tue	Russian diplo/intel. 11166 30154 52814 29085 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	29-11	1250	8128	Tue	Russian diplo/intel. 11166 30154 52814 29085 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	29-11	1300	12218	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	1310	11535	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	1320	10162	Tue	Russian diplo/intel. 5 messages	FSK 200/1000	(AB)
F06	29-11	1340	10984	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
F06	29-11	1350	10158	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
F06	29-11	1400	9213	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
F06	29-11	1650	10536	Tue	Russian diplo/intel. 11166 10053 75319 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	29-11	1700	5417	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
F06	29-11	1700	8174	Tue	Russian diplo/intel. 11166 10053 75319 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-11	1710	4753	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
F06	29-11	1710	7318	Tue	Russian diplo/intel. 11166 10053 75319 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

<b>F06</b>	29-11	1720	4061	Tue	Russian diplo/intel. 11100 00000 23567 28085 03529 and 11100 00000 12457 28086 03529	FSK 200/1000	(AB)
<b>F06</b>	30-11	0430	9043	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB-RUS)
<b>F06</b>	30-11	0440	7546	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB-RUS)
<b>F06</b>	30-11	0450	6833	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB)
<b>F06</b>	30-11	0600	20082	Wed	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
<b>F06</b>	30-11	0610	18207	Wed	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
<b>F06</b>	30-11	0620	16141	Wed	Russian diplo/intel. 11166 40122 96325 26031 03029 and 11166 40122 74185 26032 02979	FSK 200/1000	(AB-KOR)
<b>F06</b>	30-11	0700	12177	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	0710	10156	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	0720	8138	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	0730	20964	Wed	Russian diplo/intel. 11100 00000 36148 26033 07129	FSK 200/1000	(AB-RUS)
<b>F06</b>	30-11	0740	20187	Wed	Russian diplo/intel. 11100 00000 36148 26033 07129	FSK 200/1000	(AB-RUS)
<b>F06</b>	30-11	0750	18914	Wed	Russian diplo/intel. 11100 00000 36148 26033 07129	FSK 200/1000	(AB-RUS)
<b>F06</b>	30-11	0800	16007	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB)
<b>F06</b>	30-11	0810	14513	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB)
<b>F06</b>	30-11	0820	13486	Wed	Russian diplo/intel. 11100 00000 95147 29087 07529	FSK 200/1000	(AB)
<b>F06</b>	30-11	1200	10231	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	1210	8082	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	1220	6869	Wed	Russian diplo/intel. 11166 70202 75214 29073 02179	FSK 200/1000	(AB)
<b>F06</b>	30-11	1300	12218	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06</b>	30-11	1310	11535	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06</b>	30-11	1320	10162	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06</b>	30-11	1340	10984	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06</b>	30-11	1350	10158	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06</b>	30-11	1400	9213	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06</b>	30-11	1700	5417	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06</b>	30-11	1710	4753	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06</b>	30-11	1720	4061	Wed	Russian diplo/intel. 11100 00000 75321 29089 10029	FSK 200/1000	(AB)
<b>F06a</b>	1-11	0500	12211	Tue	Russian diplo/intel. File 00019 (1364 bytes), binary contents	FSK 200/1000	(PY)
<b>F06a</b>	1-11	0510	10576	Tue	Russian diplo/intel. File 00019 (1364 bytes), binary contents	FSK 200/1000	(PY)
<b>F06a</b>	1-11	0730	20964	Tue	Russian diplo/intel. File 01 (1024 bytes), binary contents	FSK 200/1000	(linkz)
<b>F06a</b>	1-11	0740	20187	Tue	Russian diplo/intel. File 01 (1024 bytes), binary contents	FSK 200/1000	(linkz)
<b>F06a</b>	2-11	1300	12218	Wed	Russian diplo/intel. File 00050	FSK 200/1000	(AB)
<b>F06a</b>	2-11	1310	11535	Wed	Russian diplo/intel. File 00050	FSK 200/1000	(AB)
<b>F06a</b>	2-11	1320	10162	Wed	Russian diplo/intel. File 00050	FSK 200/1000	(AB)
<b>F06a</b>	3-11	0500	5116	Thu	Russian diplo/intel. File 44452	FSK 200/1000	(AB)
<b>F06a</b>	3-11	0515	4814	Thu	Russian diplo/intel. File 44452	FSK 200/1000	(AB)
<b>F06a</b>	3-11	0530	3727	Thu	Russian diplo/intel. File 44452	FSK 200/1000	(AB)
<b>F06a</b>	3-11	1300	17482	Thu	Russian diplo/intel. File 44444 (1807 bytes), binary contents	FSK 200/1000	(AB/PY)
<b>F06a</b>	3-11	1310	14432	Thu	Russian diplo/intel. File 44444 (1807 bytes), binary contents	FSK 200/1000	(PY)
<b>F06a</b>	4-11	0500	5116	Fri	Russian diplo/intel. File 44452	FSK 200/1000	(AB)
<b>F06a</b>	4-11	0515	4814	Fri	Russian diplo/intel. File 44452	FSK 200/1000	(AB)

F06a	4-11	0530	3727	Fri	Russian diplo/intel. File 44452	FSK 200/1000	(AB)
F06a	5-11	1500	12143	Sat	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	5-11	1515	10184	Sat	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	5-11	1530	8147	Sat	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	6-11	1500	12143	Sun	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	6-11	1515	10184	Sun	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	6-11	1530	8147	Sun	Russian diplo/intel. File 44444	FSK 200/1000	(AB)
F06a	8-11	0500	12211	Tue	Russian diplo/intel. File 21-579. Header: 11100 00000 35471 12021 05819	FSK 200/1000	(AB)
F06a	8-11	0510	10576	Tue	Russian diplo/intel. File 21-579. Header: 11100 00000 35471 12021 05819	FSK 200/1000	(AB)
F06a	8-11	0520	8075	Tue	Russian diplo/intel. File 21-579. Header: 11100 00000 35471 12021 05819	FSK 200/1000	(AB)
F06a	8-11	0730	20964	Tue	Russian diplo/intel. File 44405	FSK 200/1000	(AB-RUS)
F06a	8-11	0740	20187	Tue	Russian diplo/intel. File 44405	FSK 200/1000	(AB-RUS)
F06a	8-11	0750	18914	Tue	Russian diplo/intel. File 44405	FSK 200/1000	(AB-RUS)
F06a	9-11	0520	10975	Wed	Russian diplo/intel. File 44476	FSK 200/1000	(AB-RUS)
F06a	9-11	1300	12218	Wed	Russian diplo/intel. File 44476	FSK 200/1000	(AB)
F06a	9-11	1310	11535	Wed	Russian diplo/intel. File 44476	FSK 200/1000	(AB)
F06a	9-11	1320	10162	Wed	Russian diplo/intel. File 44476	FSK 200/1000	(AB)
F06a	10-11	0430	9043	Thu	Russian diplo/intel. File 44478	FSK 200/1000	(AB)
F06a	10-11	0440	7546	Thu	Russian diplo/intel. File 44478	FSK 200/1000	(AB)
F06a	10-11	0450	6833	Thu	Russian diplo/intel. File 44478	FSK 200/1000	(AB)
F06a	10-11	0500	5116	Thu	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	10-11	0515	4814	Thu	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	10-11	0530	3727	Thu	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	10-11	0800	16007	Thu	Russian diplo/intel. File 44478 (1239 bytes) binary contents	FSK 200/1000	(PY)
F06a	10-11	0810	14513	Thu	Russian diplo/intel. File 44478 (1239 bytes) binary contents	FSK 200/1000	(PY)
F06a	10-11	0820	13486	Thu	Russian diplo/intel. File 44478 (1239 bytes) binary contents	FSK 200/1000	(PY)
F06a	10-11	1300	17482	Thu	Russian diplo/intel. File 44446	FSK 200/1000	(AB)
F06a	10-11	1310	14432	Thu	Russian diplo/intel. File 44446	FSK 200/1000	(AB)
F06a	10-11	1600	11122	Thu	Russian diplo/intel. File 44421 (1573 bytes) binary contents	FSK 200/1000	(PY)
F06a	10-11	1610	9067	Thu	Russian diplo/intel. File 44421 (1573 bytes) binary contents	FSK 200/1000	(PY)
F06a	10-11	1620	6791	Thu	Russian diplo/intel. File 44421 (1573 bytes) binary contents	FSK 200/1000	(PY)
F06a	11-11	0500	5116	Fri	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	11-11	0515	4814	Fri	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	11-11	0530	3727	Fri	Russian diplo/intel. File 04453	FSK 200/1000	(AB)
F06a	12-11	1340	10984	Sat	Russian diplo/intel. File 44489 (1526 bytes), CRLF CRLF CRLF then binary contents	FSK 200/1000	(linkz)
F06a	12-11	1350	10158	Sat	Russian diplo/intel. File 44489 (1526 bytes), CRLF CRLF CRLF then binary contents	FSK 200/1000	(PY)
F06a	12-11	1400	9213	Sat	Russian diplo/intel. File 44489 (1526 bytes), CRLF CRLF CRLF then binary contents	FSK 200/1000	(PY)
F06a	12-11	1500	12143	Sat	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	12-11	1515	10184	Sat	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	12-11	1530	8147	Sat	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	13-11	1340	10984	Sun	Russian diplo/intel. File 44492	FSK 200/1000	(AB)
F06a	13-11	1350	10158	Sun	Russian diplo/intel. File 44492	FSK 200/1000	(AB)

F06a	13-11	1400	9213	Sun	Russian diplo/intel. File 44492	FSK 200/1000	(AB)
F06a	13-11	1500	12143	Sun	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	13-11	1515	10184	Sun	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	13-11	1530	8147	Sun	Russian diplo/intel. File 04445	FSK 200/1000	(AB/MPJ)
F06a	13-11	1600	11122	Sun	Russian diplo/intel. File 44422	FSK 200/1000	(AB)
F06a	13-11	1610	9067	Sun	Russian diplo/intel. File 44422	FSK 200/1000	(AB)
F06a	13-11	1620	6791	Sun	Russian diplo/intel. File 44422	FSK 200/1000	(AB)
F06a	14-11	1340	10984	Mon	Russian diplo/intel. File 44497	FSK 200/1000	(AB)
F06a	14-11	1350	10158	Mon	Russian diplo/intel. File 44497	FSK 200/1000	(AB)
F06a	14-11	1400	9213	Mon	Russian diplo/intel. File 44497	FSK 200/1000	(AB)
F06a	15-11	0730	20964	Tue	Russian diplo/intel. File 44414	FSK 200/1000	(AB-RUS)
F06a	15-11	0740	20187	Tue	Russian diplo/intel. File 44414	FSK 200/1000	(AB-RUS)
F06a	15-11	0750	18914	Tue	Russian diplo/intel. File 44414	FSK 200/1000	(AB-RUS)
F06a	16-11	0520	10975	Wed	Russian diplo/intel. File 14414	FSK 200/1000	(AB)
F06a	16-11	0530	9907	Wed	Russian diplo/intel. File 14414	FSK 200/1000	(AB)
F06a	16-11	0540	8184	Wed	Russian diplo/intel. File 14414	FSK 200/1000	(AB)
F06a	17-11	0430	9043	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(AB)
F06a	17-11	0440	7546	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(AB)
F06a	17-11	0450	6833	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(AB)
F06a	17-11	0500	5116	Thu	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	17-11	0515	4814	Thu	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	17-11	0530	3727	Thu	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	17-11	0730	20964	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	17-11	0740	20187	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	17-11	0750	18914	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	17-11	0800	16007	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(PY)
F06a	17-11	0810	14513	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(PY)
F06a	17-11	0820	13486	Thu	Russian diplo/intel. File 14416	FSK 200/1000	(PY)
F06a	17-11	1300	17482	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	17-11	1310	14432	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	17-11	1320	9944	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	18-11	0500	5116	Fri	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	18-11	0515	4814	Fri	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	18-11	0530	3727	Fri	Russian diplo/intel. File 44454	FSK 200/1000	(AB)
F06a	19-11	1500	12143	Sat	Russian diplo/intel. File 04446	FSK 200/1000	(AB)
F06a	19-11	1515	10184	Sat	Russian diplo/intel. File 04446	FSK 200/1000	(AB)
F06a	19-11	1530	8147	Sat	Russian diplo/intel. File 04446	FSK 200/1000	(AB)
F06a	20-11	1340	10984	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06a	20-11	1350	10158	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06a	20-11	1400	9213	Sun	Russian diplo/intel. File 44430	FSK 200/1000	(AB)
F06a	20-11	1500	12143	Sun	Russian diplo/intel. File 04446	FSK 200/1000	(AB/MPJ)
F06a	20-11	1515	10184	Sun	Russian diplo/intel. File 04446	FSK 200/1000	(AB/MPJ)

F06a	20-11	1530	8147	Sun	Russian diplo/intel. File 04446	FSK 200/1000	(AB/MPJ)
F06a	21-11	1340	10984	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB)
F06a	21-11	1350	10158	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB)
F06a	21-11	1400	9213	Mon	Russian diplo/intel. File 44435	FSK 200/1000	(AB/MPJ)
F06a	22-11	0730	20964	Tue	Russian diplo/intel. File 00000- 1	FSK 200/1000	(AB-RUS)
F06a	22-11	0740	20187	Tue	Russian diplo/intel. File 00000- 1	FSK 200/1000	(AB-RUS)
F06a	22-11	0750	18914	Tue	Russian diplo/intel. File 00000- 1	FSK 200/1000	(AB-RUS)
F06a	23-11	0520	10975	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06a	23-11	0530	9907	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06a	23-11	0540	8184	Wed	Russian diplo/intel. File 44451	FSK 200/1000	(AB)
F06a	24-11	0430	9043	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	0440	7546	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	0450	6833	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	0500	5116	Thu	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	24-11	0515	4814	Thu	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	24-11	0530	3727	Thu	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	24-11	0730	20964	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	24-11	0740	20187	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	24-11	0750	18914	Thu	Russian diplo/intel. File 00000- 2	FSK 200/1000	(AB-RUS)
F06a	24-11	0800	16007	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	0810	14513	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	0820	13486	Thu	Russian diplo/intel. File 44453	FSK 200/1000	(AB)
F06a	24-11	1300	17482	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	24-11	1310	14432	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	24-11	1320	9944	Thu	Russian diplo/intel. File 44448	FSK 200/1000	(AB)
F06a	25-11	0500	5116	Fri	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	25-11	0515	4814	Fri	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	25-11	0530	3727	Fri	Russian diplo/intel. File 44455	FSK 200/1000	(AB)
F06a	26-11	1500	12143	Sat	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	26-11	1515	10184	Sat	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	26-11	1530	8147	Sat	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	27-11	1340	10984	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06a	27-11	1350	10158	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06a	27-11	1400	9213	Sun	Russian diplo/intel. File 44467	FSK 200/1000	(AB)
F06a	27-11	1500	12143	Sun	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	27-11	1515	10184	Sun	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	27-11	1530	8147	Sun	Russian diplo/intel. File 04447	FSK 200/1000	(AB/MPJ)
F06a	28-11	1340	10984	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06a	28-11	1350	10158	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06a	28-11	1400	9213	Mon	Russian diplo/intel. File 44472	FSK 200/1000	(AB)
F06a	29-11	0730	20964	Tue	Russian diplo/intel. File 44432	FSK 200/1000	(AB-RUS)
F06a	29-11	0740	20187	Tue	Russian diplo/intel. File 44432	FSK 200/1000	(AB-RUS)



<b>F06a</b>	29-11	0750	18914	Tue	Russian diplo/intel. File 44432	FSK 200/1000	(AB-RUS)
<b>F06a</b>	30-11	0520	10975	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06a</b>	30-11	0530	9907	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06a</b>	30-11	0540	8184	Wed	Russian diplo/intel. File 44488	FSK 200/1000	(AB)
<b>F06a</b>	30-11	0700	14840	Wed	Russian diplo/intel. File 44412	FSK 200/1000	(PY)
<b>F06a</b>	30-11	0715	13859	Wed	Russian diplo/intel. File 44412	FSK 200/1000	(PY)
<b>F06a</b>	30-11	0730	12079	Wed	Russian diplo/intel. File 44412	FSK 200/1000	(PY)
<b>HM01</b>	1-11	1558	11435	Tue	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(AB-USA)
<b>HM01</b>	2-11	1700	11435	Wed	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct) Should be on 11530 kHz. Switched at 1706z	AM/WinDRM	(AB-USA)
<b>HM01</b>	2-11	1706	11530	Wed	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct) Started on 11435 kHz. Switched at 1706z	AM/WinDRM	(AB-USA)
<b>HM01</b>	3-11	1635	11435	Thu	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(RR2)
<b>HM01</b>	4-11	1611	11435	Fri	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(AB-USA/RR2)
<b>HM01</b>	5-11	1609	11435	Sat	i.p. 33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(AB-USA)
<b>HM01</b>	6-11	1709	11530	Sun	i.p. 33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(AB-USA)
<b>HM01</b>	7-11	1659	11530	Mon	33852 73622 11271 50084 03638 14241 (repeat of 11 Oct)	AM/WinDRM	(AB-USA)
<b>HM01</b>	8-11	1600	11435	Tue	Radio Habana Cuba till 1624z. HM01 at 1625z 33181 11747 11183 82285 71264 87747 Files 10323318.TXT 50721174.F1C 30161118.TXT 36048228.F1G 01667126.TXT 36858774.F1G Repeat of 23 June 2021	AM/RDFT	(AB-USA)
<b>HM01</b>	8-11	1700	11530	Tue	33181 11747 11183 82285 71264 87747 (repeat of 23 June 2021)	AM/RDFT	(AB-USA/RR2)
<b>HM01</b>	8-11	1816	11635	Tue	i.p. 33181 11747 11183 82285 71264 87747 (repeat of 23 June 2021)	AM/RDFT	(AB-USA)
<b>HM01</b>	9-11	1000	9155	Wed	33371 27818 00761 02071 24463 03885 Files 65553337.TXT 65442781.TXT 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	9-11	1645	11530	Wed	i.p. 33372 54841 00762 02072 24464 03886 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT Callsign: QWERTY01 Should be on 11435 kHz	AM/WinDRM	(AB-USA)
<b>HM01</b>	9-11	1658	11530	Wed	33372 54841 00762 02072 24464 03886	AM/WinDRM	(AB-USA)
<b>HM01</b>	10-11	1711	11530	Thu	i.p. 33373 54841 00763 02072 24465 03887 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 20830388.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	11-11	1615	11435	Fri	i.p. 33374 54842 00764 02074 24466 02421 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	12-11	1607	11435	Sat	i.p. 33375 54843 00765 02075 24467 02421 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	12-11	1640	11435	Sat	i.p. 33375 54843 00765 02075 24467 02421	AM/WinDRM	(RR2)
<b>HM01</b>	13-11	1600	11435	Sun	i.p. 33376 54844 00766 02076 24468 02422 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	13-11	1630	11435	Sun	33376 54844 00766 02076 24468 02422	AM/WinDRM	(RR2)
<b>HM01</b>	14-11	1621	11435	Mon	i.p. 33377 54845 00767 02077 24469 02423 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 50302446.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	15-11	1704	11530	Tue	i.p. 33378 54846 00767 02078 68881 02424 Files 65553337.TXT 50675484.F1C 17240076.TXT 34750207.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	15-11	1730	11530	Tue	33378 54846 00767 02078 68881 02424	AM/WinDRM	(RR2)

HM01	16-11	1700	11530	Wed	68771 54847 24061 82471 68881 02425 Files 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	17-11	1643	11435	Thu	i.p. 68771 54848 24061 82471 68882 02426 Files 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01. Switched to 11530 kHz at 1650z	AM/WinDRM	(AB-USA)
HM01	17-11	1650	11530	Thu	68771 54848 24061 82471 68882 02426	AM/WinDRM	(AB-USA)
HM01	18-11	1645	11435	Fri	i.p. 68772 54849 24062 82472 68883 02427 Files 36586877.F1G 50675484.F1C 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	19-11	1640	11435	Sat	i.p. 68773 85421 24063 82473 68884 02428 Files 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	20-11	1612	11435	Sun	i.p. 68774 85421 24064 82474 68885 02429 Files 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 25510242.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	20-11	1612	11530	Sun	i.p. 68774 85421 24064 82474 68885 02429	AM/WinDRM	(AB-USA)
HM01	20-11	1713	11530	Sun	68773 85421 24063 82473 68884 02428 (repeat of 19 Nov)	AM/WinDRM	(RR2)
HM01	21-11	0629	10345	Mon	68774 85421 24064 82474 68885 02429	AM/WinDRM	(AB-USA)
HM01	21-11	1700	11530	Mon	68775 85422 24065 82475 68886 85361 Files 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	21-11	1802	11530	Mon	68775 85422 24065 82475 68886 85361 Wrong freq. Should be on 11530 kHz	AM/WinDRM	(RR2)
HM01	22-11	1615	11435	Tue	i.p. 68776 85423 24066 82476 68887 85361 Files 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	22-11	1830	11635	Tue	68776 85423 24066 82476 68887 85361	AM/WinDRM	(RR2)
HM01	23-11	0900	9240	Wed	68776 85423 24066 82476 68887 85361	AM/WinDRM	(AB)
HM01	23-11	1618	11435	Wed	i.p. 68777 85424 24067 82477 68888 85362 Files 36586877.F1G 87348542.TXT 75382406.TXT 41418247.TXT 67536888.TXT 75088536.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	23-11	1730	11530	Wed	68777 85424 24067 82477 68888 85362	AM/WinDRM	(RR2)
HM01	24-11	1745	11530	Thu	i.p. 51651 85425 78461 82478 68889 85363 Files 36385165.F1G 87348542.TXT 50317846.TXT 41418247.TXT 67536888.TXT 75088536.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	25-11	1703	11530	Fri	i.p. 51651 85425 78461 82478 68889 85363 (repeat of 24 Nov)	AM/WinDRM	(RR2/AB-USA)
HM01	26-11	1605	11435	Sat	Late start. Briefly Radio Habana Cuba 51652 85427 78462 04021 00411 85365 Files 36385165.F1G 87348542.TXT 50317846.TXT 01450402.TXT 28100041.TXT 75088536.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	26-11	1700	11530	Sat	51652 85427 78462 04021 00411 85365	AM/WinDRM	(RR2)
HM01	27-11	1700	11530	Sun	Carrier only	AM	(AB-USA)
HM01	27-11	1730	11530	Sun	Carrier only	AM	(AB-USA)
HM01	27-11	1800	11530	Sun	Carrier only. Should be on 11635 kHz	AM	(AB-USA)
HM01	27-11	1830	11530	Sun	Carrier only. Should be on 11635 kHz	AM	(AB-USA)
HM01	27-11	1900	11530	Sun	Carrier. No scheduled transmission	AM	(AB-USA)
HM01	27-11	2130	11635	Sun	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(RR2)
HM01	27-11	2150	11635	Sun	51652 85427 78462 04021 00411 85365 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	28-11	1646	11435	Mon	51652 85427 78462 04021 00411 85367 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	29-11	1612	11435	Tue	i.p. 51652 85427 78462 04021 00411 85367 (repeat of 26 Nov)	AM/WinDRM	(AB-USA)
HM01	30-11	1647	11435	Wed	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 16 Nov)	AM/WinDRM	(AB-USA)
HM01	30-11	1845	11635	Wed	i.p. 51652 85427 78462 04021 00411 85365 (repeat of 16 Nov)	AM/WinDRM	(RR2)
M01	1-11	1800	5320	Tue	197 603 603 30 30 = = 64738 89346 20198 ... 673497 025 125 = = 603 603 30 30 00	CW	(AB)

<b>M01</b>	1-11	2000	4490	Tue	197 412 412 30 30 = = 64738 23451 90346 ... 89468 78236 783543 = = 412 412 30 30 000	CW	(AB)
<b>M01</b>	3-11	1800	5320	Thu	197 789 789 30 30 = = 46546 13243 35435 ... 09187 36544 26545 = = 789 789 30 30 000	CW	(AB- RUS/MPJ/HFD)
<b>M01</b>	3-11	2000	4490	Thu	197 791 791 30 30 = = 46546 27656 14132 ... 18789 30099 44321 = = 791 791 30 30 000	CW	(AB/HFD)
<b>M01</b>	5-11	1500	5810	Sat	197 595 595 30 30 46716 45719 10276 ... 49418 09315 65912 595 595 30 30 0000	CW	(AB/HFD)
<b>M01</b>	6-11	0700	5465	Sun	197 109 109 30 30 = = 91352 74912 74019 ... 57610 42165 85671 = = 109 109 30 30 000 Sent only 29 groups	CW	(AB-BLR/HFD)
<b>M01</b>	8-11	2000	4490	Tue	197 379 379 30 30 = = 75675 84758 93849 ... 65478 90078 00132 = = 379 379 30 30 000	CW	(AB)
<b>M01</b>	10-11	1800	5320	Thu	197 117 117 30 30 56783 45635 98567 ... 87956 33722 74880 117 117 30 30 000	CW	(AB/MPJ)
<b>M01</b>	10-11	2000	4490	Thu	197 651 651 30 30 64753 13523 90768 ... 64757 93675 73739 651 651 30 30 000	CW	(AB)
<b>M01</b>	12-11	1500	5810	Sat	197 (R) 541 541 30 30 = = 54678 34658 12936 ... 76980 56341 89991 = = 541 30 (Es) 541 541 30 30 000	CW	(MPJ)
<b>M01</b>	13-11	0700	5465	Sun	197 541 541 30 30 = = 54678 34658 12986 ... 76980 56341 89991 = = 541 451 30 30 0 / 0 / 0 EEEEE	CW	(AB-BLR)
<b>M01</b>	17-11	1800	5320	Thu	197 410 410 30 30 = = 87463 93750 14275 ... 68765 37621 69814 = = 410 410 30 30 000	CW	(AB-BLR/MPJ)
<b>M01</b>	17-11	2000	4490	Thu	195 515 515 30 30 = = 63001 32981 54480 ... 34921 42761 00123 = = 515 515 30 30	CW	(AB)
<b>M01</b>	19-11	1500	5810	Sat	197 656 656 30 30 = = 67765 09098 28982 ... 24323 56765 10988 = = 656 656 30 30 000	CW	(MPJ)
<b>M01</b>	20-11	0703	5465	Sun	197 690 690 30 30 = = 88756 24312 30988 ... 56477 43234 08921 = = 690 690 30 30 000 Late start	CW	(AB)
<b>M01</b>	22-11	1800	5320	Tue	197 142 142 30 30 = = 57678 09890 12534 ... 68877 59890 81090 9 = = 142 142 30 30 0..... 0..... 0.....	CW	(AB/MPJ)
<b>M01</b>	22-11	2000	4490	Tue	197 344 344 30 30 = = 57677 57677 48789 ... 1234 44 576557510988 098 = = 344 344 30 0..... 0..... 0.....	CW	(AB)
<b>M01</b>	24-11	1800	5320	Thu	197 430 430 30 30 = = 71302 69512 78305 ... 69073 16320 01713 = = 430 430 30 30 000	CW	(AB)
<b>M01</b>	24-11	2000	4490	Thu	197 409 409 30 30 = = 78305 19176 85402 ... 68054 40709 95603 409 409 30 30 = = 000	CW	(AB)
<b>M01</b>	26-11	0715	9566	Sat	VVVVVV 475 331 331 50 50 = = 03018 98741 64945 ... 12302 23532 53217 = = 331 331 50 50 000	CW	(Time)
<b>M01</b>	26-11	1507	5810	Sat	Late start 197 512 512 30 30 = = 34256 87965 13250 ... 31746 94581 34268 = = 512 512 30 30 000	CW	(AB)
<b>M01</b>	27-11	0659	5465	Sun	197 456 456 30 30 = = 56745 18563 29586 ... 49026 16453 29095 = = 456 456 30 30 0..... 0..... 0.....	CW	(AB)
<b>M01</b>	27-11	0715	9566	Sun	VVVVVV 475 331 331 50 50 = = 03018 98741 64945 ... 12302 23532 53217 = = 331 331 50 50 000	CW	(T101)
<b>M01</b>	29-11	1800	5320	Tue	197 754 754 30 30 = = 91736 47219 57491 ... 91837 91837 91837 = = 754 754 30 30 000	CW	(AB/MPJ)
<b>M01</b>	29-11	2000	4490	Tue	197 128 128 30 30 = = 91875 28746 01985 ... 09175 19857 18376 = = 128 128 30 30 000	CW	(AB)
<b>M12</b>	1-11	0030	6874	Tue	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB/HFD)
<b>M12</b>	1-11	0050	8074	Tue	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB/HFD)
<b>M12</b>	1-11	0050	8074	Tue	803:1	CW	(HFD)
<b>M12</b>	1-11	0110	9374	Tue	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB/HFD)
<b>M12</b>	1-11	0300	16184	Tue	174 174 174 1 6096 112 6096 112 32992 73762 01466 ... 75819 23338 06069 000 000	CW	(PY/HFD-J)
<b>M12</b>	1-11	0340	13484	Tue	174 174 174 1 6096 112 6096 112 32992 73762 01466 ... 75819 23338 06069 000 000 Incomplete message	CW	(PY/HFD-J)
<b>M12</b>	1-11	0349	13484	Tue	174 174 174 1 6096 112 6096 112 32992 73762 01466 ... 75819 23338 06069 000 000 Restart. Re- sent the last 15 groups	CW	(PY/HFD-J)
<b>M12</b>	1-11	0900	15946	Tue	942 942 942 000	CW	(AB/HFD)
<b>M12</b>	1-11	0920	17446	Tue	942 942 942 000	CW	(AB/HFD)
<b>M12</b>	2-11	0800	17432	Wed	451 451 451 000	CW	(AB/HFD)
<b>M12</b>	2-11	0820	18532	Wed	451 451 451 000	CW	(AB/HFD)



M12	2-11	2000	6917	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB/HFD)
M12	2-11	2020	5817	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB/HFD)
M12	2-11	2040	5117	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB/HFD)
M12	3-11	1110	13386	Thu	725 725 725 1 8374 96 8374 96 70798 79168 21398 80868 ... 86190 64345 80028 000 000	CW	(AB/HFD)
M12	3-11	1130	12189	Thu	725 725 725 1 8374 96 8374 96 70798 79168 21398 80868 ... 86190 64345 80028 000 000	CW	(AB/HFD)
M12	3-11	1150	11491	Thu	725 725 725 1 8374 96 8374 96 70798 79168 21398 80868 ... 86190 64345 80028 000 000	CW	(AB/HFD)
M12	3-11	1400	16292	Thu	283 283 283 1 5755 96 5755 96 64136 63207 91133 ... 84106 89234 73109 000 000	CW	(AB/MPJ/HFD)
M12	3-11	1420	14892	Thu	283 283 283 1 5755 96 5755 96 64136 63207 91133 ... 84106 89234 73109 000 000	CW	(AB/MPJ/HFD)
M12	3-11	1440	14392	Thu	283 283 283 1 5755 96 5755 96 64136 63207 91133 ... 84106 89234 73109 000 000	CW	(AB/MPJ/HFD)
M12	3-11	2210	6937	Thu	975 975 975 000	CW	(AB/RL/HFD)
M12	3-11	2230	5737	Thu	975 975 975 000	CW	(AB/RL/HFD)
M12	3-11	2300	9046	Thu	392 392 392 000	CW	(RL/HFD)
M12	3-11	2300	10446	Thu	392 392 392 000	CW	(RL/HFD)
M12	4-11	0030	6874	Fri	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB)
M12	4-11	0050	8074	Fri	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB)
M12	4-11	0110	9374	Fri	803 803 803 1 7746 78 7746 78 69529 47562 04645 ... 79664 24989 61961 000 000	CW	(AB)
M12	4-11	0900	15946	Fri	942 942 942 000	CW	(AB)
M12	4-11	0920	17446	Fri	942 942 942 000	CW	(AB)
M12	4-11	2000	6917	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	4-11	2020	5817	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	4-11	2040	5117	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	4-11	2200	6859	Fri	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB)
M12	4-11	2220	7459	Fri	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB)
M12	4-11	2240	7959	Fri	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB)
M12	5-11	1800	11435	Sat	938 938 938 1 5644 76 5644 76 51913 42972 43900 ... 32880 36983 16744 000 000	CW	(AB-RUS)
M12	5-11	1820	10598	Sat	938 938 938 1 5644 76 5644 76 51913 42972 43900 ... 32880 36983 16744 000 000	CW	(AB-RUS/HFD)
M12	5-11	1840	9327	Sat	938 938 938 1 5644 76 5644 76 51913 42972 43900 ... 32880 36983 16744 000 000	CW	(AB-RUS/HFD)
M12	5-11	2200	6859	Sat	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB/HFD)
M12	5-11	2220	7459	Sat	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB/HFD)
M12	5-11	2240	7959	Sat	849 849 849 1 4517 184 4517 184 89846 05043 52637 ... 62653 67146 83629 000 000	CW	(AB/HFD)
M12	6-11	0800	17432	Sun	451 451 451 000	CW	(AB)
M12	6-11	0820	18532	Sun	451 451 451 000	CW	(AB)
M12	7-11	0010	16275	Mon	296 296 296 1 ...	CW	(HFD-RUS)
M12	7-11	0030	15975	Mon	296 296 296 1 ...	CW	(HFD-RUS)
M12	7-11	0050	14675	Mon	296 296 296 1 ...	CW	(HFD-RUS)
M12	7-11	1230	12205	Mon	973 973 973 1 9197 55 9197 55 17113 55555 87423 ... 65000 85087 42389 000 000	CW	(AB/HFD)
M12	7-11	1250	13559	Mon	973 973 973 1 9197 55 9197 55 17113 55555 87423 ... 65000 85087 42389 000 000	CW	(AB/HFD)
M12	7-11	1310	14728	Mon	973 973 973 1 9197 55 9197 55 17113 55555 87423 ... 65000 85087 42389 000 000	CW	(AB/HFD)
M12	7-11	1400	16292	Mon	283 283 283 000	CW	(AB)
M12	7-11	1420	14892	Mon	283 283 283 000	CW	(AB)
M12	7-11	2210	6937	Mon	975 975 975 000	CW	(AB)
M12	7-11	2230	5737	Mon	975 975 975 000	CW	(AB)

M12	7-11	2300	9046	Mon	392 392 392 000	CW	(AB/RL)
M12	7-11	2300	10446	Mon	392 392 392 000	CW	(AB/RL)
M12	8-11	0030	6874	Tue	803 803 803 000	CW	(AB)
M12	8-11	0050	8074	Tue	803 803 803 000	CW	(AB)
M12	8-11	0900	15946	Tue	942 942 942 000	CW	(AB)
M12	8-11	0920	17446	Tue	942 942 942 000	CW	(AB)
M12	9-11	0800	17432	Wed	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	9-11	0820	18532	Wed	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	9-11	0840	19132	Wed	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	9-11	2000	6917	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	9-11	2020	5817	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	9-11	2040	5117	Wed	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	10-11	1110	13386	Thu	725 725 725 1 4598 94 4598 94 93577 00114 74785 ... 98499 93434 29594 000 000	CW	(AB)
M12	10-11	1130	12189	Thu	725 725 725 1 4598 94 4598 94 93577 00114 74785 ... 98499 93434 29594 000 000	CW	(AB)
M12	10-11	1150	11491	Thu	725 725 725 1 4598 94 4598 94 93577 00114 74785 ... 98499 93434 29594 000 000	CW	(AB)
M12	10-11	1400	16292	Thu	283 283 283 000	CW	(AB/MPJ)
M12	10-11	1420	14892	Thu	283 283 283 000	CW	(AB/MPJ)
M12	10-11	2210	6937	Thu	975 975 975 000	CW	(AB)
M12	10-11	2230	5737	Thu	975 975 975 000	CW	(AB)
M12	11-11	0030	6874	Fri	803 803 803 000	CW	(AB)
M12	11-11	0050	8074	Fri	803 803 803 000	CW	(AB)
M12	11-11	0900	15946	Fri	942 942 942 000	CW	(AB)
M12	11-11	0920	17446	Fri	942 942 942 000	CW	(AB)
M12	11-11	2000	6917	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	11-11	2020	5817	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	11-11	2040	5117	Fri	981 981 981 1 300 88 300 88 15770 25617 30261 ... 74561 96352 38518 000 000	CW	(AB)
M12	11-11	2200	6859	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	11-11	2220	7459	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	11-11	2240	7959	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	12-11	1800	11435	Sat	938 938 938 1 6921 72 6921 72 74183 43624 64571 ... 12155 68861 66501 000 000	CW	(AB)
M12	12-11	1820	10598	Sat	938 938 938 1 6921 72 6921 72 74183 43624 64571 ... 12155 68861 66501 000 000	CW	(AB)
M12	12-11	1840	9327	Sat	938 938 938 1 6921 72 6921 72 74183 43624 64571 ... 12155 68861 66501 000 000	CW	(AB)
M12	12-11	2200	6859	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	12-11	2220	7459	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	12-11	2240	7959	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB/RL)
M12	13-11	0800	17432	Sun	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	13-11	0820	18532	Sun	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	13-11	0840	19132	Sun	451 451 451 1 250 150 250 150 04822 69944 37375 ... 55571 29855 31023 000 000	CW	(AB)
M12	14-11	1230	12205	Mon	973 973 973 1 7609 62 7609 62 26083 60191 24336 ... 01015 45770 34875 000 000	CW	(AB)
M12	14-11	1250	13559	Mon	973 973 973 1 7609 62 7609 62 26083 60191 24336 ... 01015 45770 34875 000 000	CW	(AB)
M12	14-11	1310	14728	Mon	973 973 973 1 7609 62 7609 62 26083 60191 24336 ... 01015 45770 34875 000 000	CW	(AB)
M12	14-11	1400	16292	Mon	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)

M12	14-11	1420	14892	Mon	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)
M12	14-11	1440	14392	Mon	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)
M12	14-11	2210	6937	Mon	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	14-11	2230	5737	Mon	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	14-11	2250	4537	Mon	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	14-11	2300	10446	Mon	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(RL)
M12	14-11	2320	9046	Mon	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(RL)
M12	14-11	2340	7946	Mon	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(RL)
M12	15-11	0900	15946	Tue	942 942 942 000	CW	(AB)
M12	15-11	0920	17446	Tue	942 942 942 000	CW	(AB)
M12	15-11	1538	9142	Tue	123 123 12 cut off	CW	(PY)
M12	15-11	1538	9142	Tue	123 1 6918 10 93537 ... 000 000 (distorted signal)	CW	(PY)
M12	15-11	1538	9142	Tue	123 1 cut off after 1m18s	CW	(PY)
M12	15-11	1624	9143	Tue	123 123 123 1 123 123 123 1 cut off	CW	(PY)
M12	15-11	1625	9143	Tue	123 123 cut off	CW	(PY)
M12	15-11	1626	9143	Tue	123 123 123 1 123 123 123 cut off	CW	(PY)
M12	16-11	0800	17432	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	16-11	0820	18532	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	16-11	0840	19132	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	16-11	1120	11431	Wed	123 123 123 1 1 cut off	CW	(PY)
M12	16-11	1121	11431	Wed	123 123 123 1 6287 20 6287 20 91475 44440 60891 ... 46612 84865 78904 000 000	CW	(PY)
M12	16-11	2000	6917	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	16-11	2020	5817	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	16-11	2040	5117	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	17-11	1110	13386	Thu	725 725 725 1 9370 97 9370 97 37649 14929 60461 ... 38509 53528 58774 000 000	CW	(AB/MPJ)
M12	17-11	1130	12189	Thu	725 725 725 1 9370 97 9370 97 37649 14929 60461 ... 38509 53528 58774 000 000	CW	(AB/MPJ)
M12	17-11	1150	11491	Thu	725 725 725 1 9370 97 9370 97 37649 14929 60461 ... 38509 53528 58774 000 000	CW	(AB/MPJ)
M12	17-11	1400	16292	Thu	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)
M12	17-11	1420	14892	Thu	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)
M12	17-11	1440	14392	Thu	283 283 283 1 274 59 274 59 26246 13054 52792 ... 48692 30261 23016 000 000	CW	(AB)
M12	17-11	2210	6937	Thu	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	17-11	2230	5737	Thu	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	17-11	2250	4537	Thu	975 975 975 1 162 69 162 69 52840 78742 75081 ... 63064 92440 50596 000 000	CW	(AB)
M12	17-11	2300	10446	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	17-11	2320	9046	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	17-11	2340	7946	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	18-11	0030	6874	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	18-11	0050	8074	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	18-11	0110	9374	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	18-11	0900	15946	Fri	942 942 942 000	CW	(AB)
M12	18-11	0920	17446	Fri	942 942 942 000	CW	(AB)
M12	18-11	2000	6917	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)

M12	18-11	2020	5817	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	18-11	2040	5117	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	18-11	2200	6859	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	18-11	2220	7459	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	18-11	2240	7959	Fri	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	19-11	1800	11435	Sat	938 938 938 1 7376 77 7376 77 90726 06788 72482 ... 39870 52888 53753 000 000	CW	(AB-RUS)
M12	19-11	1820	10598	Sat	938 938 938 1 7376 77 7376 77 90726 06788 72482 ... 39870 52888 53753 000 000	CW	(AB-RUS)
M12	19-11	1840	9327	Sat	938 938 938 1 7376 77 7376 77 90726 06788 72482 ... 39870 52888 53753 000 000	CW	(AB-RUS)
M12	19-11	2200	6859	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	19-11	2220	7459	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	19-11	2240	7959	Sat	849 849 849 1 9029 150 9029 150 14753 01375 06274 ... 21883 68144 22277 000 000	CW	(AB)
M12	20-11	0800	17432	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	20-11	0820	18532	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	20-11	0840	19132	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	21-11	1230	12205	Mon	973 973 973 1 7622 62 7622 62 99050 39386 24870 ... 36230 28390 21111 000 000	CW	(AB)
M12	21-11	1250	13559	Mon	973 973 973 1 7622 62 7622 62 99050 39386 24870 ... 36230 28390 21111 000 000	CW	(AB)
M12	21-11	1310	14728	Mon	973 973 973 1 7622 62 7622 62 99050 39386 24870 ... 36230 28390 21111 000 000	CW	(AB)
M12	21-11	1400	16292	Mon	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)
M12	21-11	1420	14892	Mon	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)
M12	21-11	1440	14392	Mon	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)
M12	21-11	2210	6937	Mon	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	21-11	2230	5737	Mon	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	21-11	2250	4537	Mon	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	22-11	0030	6874	Tue	803 803 803 1 8559 101 8559 101 03539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	22-11	0050	8074	Tue	803 803 803 1 8559 101 8559 101 03539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	22-11	0110	9374	Tue	803 803 803 1 8559 101 8559 101 03539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	22-11	0900	15946	Tue	942 942 942 000	CW	(AB)
M12	22-11	0920	17446	Tue	942 942 942 000	CW	(AB)
M12	22-11	1147	10257	Tue	123 123 123 1 (3x) 123 123 12 cut off, audio stutter at the end	CW	(PY)
M12	22-11	1155	10256	Tue	123 123 123 1 123 123 cut off	CW	(T101)
M12	23-11	0800	17432	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	23-11	0820	18532	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	23-11	0840	19132	Wed	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	23-11	2000	6917	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	23-11	2020	5817	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	23-11	2040	5117	Wed	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	24-11	1110	13386	Thu	725 725 725 1 7460 97 7460 97 95003 85275 85072 ... 64190 87543 97995 000 000	CW	(AB/MPJ)
M12	24-11	1130	12189	Thu	725 725 725 1 7460 97 7460 97 95003 85275 85072 ... 64190 87543 97995 000 000	CW	(AB/MPJ)
M12	24-11	1150	11491	Thu	725 725 725 1 7460 97 7460 97 95003 85275 85072 ... 64190 87543 97995 000 000	CW	(AB/MPJ)
M12	24-11	1400	16292	Thu	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)
M12	24-11	1420	14892	Thu	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)
M12	24-11	1440	14392	Thu	283 283 283 1 7102 180 7102 180 65277 76127 59029 ... 99333 33468 15338 000 000	CW	(AB)

M12	24-11	2210	6937	Thu	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	24-11	2230	5737	Thu	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	24-11	2250	4537	Thu	975 975 975 1 365 118 365 118 27153 84096 62678 ... 87089 10797 57762 000 000	CW	(AB)
M12	24-11	2300	10446	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	24-11	2320	9046	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	24-11	2340	7946	Thu	392 392 392 1 8866 99 8866 99 36779 50950 22609 ... 28610 53644 23431 000 000	CW	(AB)
M12	25-11	0030	6874	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	25-11	0050	8074	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	25-11	0110	9374	Fri	803 803 803 1 8559 101 8559 101 04539 02264 23411 ... 87295 80042 46314 000 000	CW	(AB)
M12	25-11	0900	15946	Fri	942 942 942 000	CW	(AB)
M12	25-11	0920	17446	Fri	942 942 942 000	CW	(AB)
M12	25-11	2000	6917	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	25-11	2020	5817	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	25-11	2040	5117	Fri	981 981 981 1 8006 105 8006 105 41818 08825 20392 ... 42932 79433 18929 000 000	CW	(AB)
M12	25-11	2200	6859	Fri	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	25-11	2220	7459	Fri	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	25-11	2240	7959	Fri	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	26-11	1800	11435	Sat	938 938 938 1 2373 79 2373 79 75553 54464 27555 ... 48970 31449 01887 000 000	CW	(AB-CYP)
M12	26-11	1820	10598	Sat	938 938 938 1 2373 79 2373 79 75553 54464 27555 ... 48970 31449 01887 000 000	CW	(AB-CYP)
M12	26-11	1840	9327	Sat	938 938 938 1 2373 79 2373 79 75553 54464 27555 ... 48970 31449 01887 000 000	CW	(AB-CYP)
M12	26-11	2200	6859	Sat	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	26-11	2220	7459	Sat	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	26-11	2240	7959	Sat	849 849 849 1 251 92 251 92 74126 09232 41482 ... 08569 04799 17885 000 000	CW	(AB)
M12	27-11	0800	17432	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	27-11	0820	18532	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	27-11	0840	19132	Sun	451 451 451 1 101 77 101 77 50133 70839 99049 ... 06058 09286 65086 000 000	CW	(AB)
M12	28-11	1230	12205	Mon	973 973 973 1 1076 58 1076 58 10145 42028 39108 58294 ... 44978 78819 26777 000 000	CW	(AB)
M12	28-11	1250	13559	Mon	973 973 973 1 1076 58 1076 58 10145 42028 39108 58294 ... 44978 78819 26777 000 000	CW	(AB)
M12	28-11	1310	14728	Mon	973 973 973 1 1076 58 1076 58 10145 42028 39108 58294 ... 44978 78819 26777 000 000	CW	(AB)
M12	28-11	1400	16292	Mon	283 283 283 000	CW	(AB)
M12	28-11	1420	14892	Mon	283 283 283 000	CW	(AB)
M12	28-11	2210	6937	Mon	975 975 975 000	CW	(AB)
M12	28-11	2230	5737	Mon	975 975 975 000	CW	(AB)
M12	28-11	2300	9046	Mon	392 392 392 000	CW	(RL)
M12	28-11	2300	10446	Mon	392 392 392 000	CW	(RL)
M12	29-11	0030	6874	Tue	803 803 803 000	CW	(AB)
M12	29-11	0050	8074	Tue	803 803 803 000	CW	(AB)
M12	29-11	0900	15946	Tue	942 942 942 000	CW	(AB)
M12	29-11	0920	17446	Tue	942 942 942 000	CW	(AB)
M12	30-11	0800	17432	Wed	451 451 451 000	CW	(AB)
M12	30-11	0820	18532	Wed	451 451 451 000	CW	(AB)
M12	30-11	2000	6917	Wed	981 981 981 000	CW	(AB)



<b>M12</b>	30-11	2020	5817	Wed	981 981 981 000	CW	(AB)
<b>M14</b>	1-11	0500	10243	Tue	952 178 178 53 53 == 51732 69685 58812 ... 72466 91935 32253 == 178 178 53 53 00000	CW	(PY/HFD)
<b>M14</b>	1-11	0520	10243	Tue	952 178 178 53 53 == 51732 69685 58812 ... 72466 91935 32253 == 178 178 53 53 00000	CW	(AB-J/HFD)
<b>M14</b>	2-11	0503	12211	Wed	952 640 640 51 51 == 06762 86175 38711 ... 93615 22916 27346 == 640 640 51 51 00000	CW	(AB-J)
<b>M14</b>	2-11	0524	10243	Wed	952 640 640 51 51 == 06762 86175 38711 ... 93615 22916 27346 == 640 640 51 51 00000	CW	(AB-J)
<b>M14</b>	3-11	0500	12211	Thu	952 783 783 52 52 == 06762 86175 38711 ... 22916 27346 63863 == 783 783 52 52 00000	CW	(AB-J)
<b>M14</b>	3-11	0520	10243	Thu	952 (R) off after the callup	CW	(AB-J)
<b>M14</b>	7-11	0500	12211	Mon	952 614 614 52 52 == 22358 86929 72202 ... 94431 27865 43099 == 614 614 52 52 00000	CW	(AB-J)
<b>M14</b>	7-11	0520	10243	Mon	952 614 614 52 52 == 22358 86929 72202 ... 94431 27865 43099 == 614 614 52 52 00000	CW	(AB-J)
<b>M14</b>	8-11	0500	12211	Tue	No transmission	CW	(AB-J)
<b>M14</b>	8-11	0520	10243	Tue	952 307 307 51 51 == 84458 58150 63420 ... 03507 48097 80839 == 307 307 51 51 00000	CW	(AB-J)
<b>M14</b>	9-11	0500	12211	Wed	952 681 681 52 52 == 84458 58150 63420 ... 48097 80839 56433 == 681 681 52 52 00000	CW	(AB-J)
<b>M14</b>	9-11	0520	10243	Wed	952 (R4) then off	CW	(AB-J)
<b>M14</b>	10-11	0500	12211	Thu	952 403 403 52 52 == 05975 60729 27779 ... 82135 82568 50069 == 403 403 52 52 00000	CW	(AB-J)
<b>M14</b>	10-11	0520	10243	Thu	952 403 403 52 52 == 05975 60729 27779 ... 82135 82568 50069 == 403 403 52 52 00000	CW	(AB-J)
<b>M14</b>	11-11	0500	12211	Fri	952 871 871 59 59 == 97405 43519 63123 ... 14339 36527 71650 == 871 871 59 59 00000	CW	(AB-J)
<b>M14</b>	11-11	0523	10243	Fri	952 871 871 59 59 == 97405 43519 63123 ... 14339 36527 71650 == 871 871 59 59 00000	CW	(AB-J)
<b>M14</b>	14-11	0500	12211	Mon	952 634 634 52 52 == 80413 92448 29848 ... 31782 54433 91193 == 634 634 52 52 00000	CW	(AB-J)
<b>M14</b>	14-11	0520	10243	Mon	952 634 634 52 52 == 80413 92448 29848 ... 31782 54433 91193 == 634 634 52 52 00000	CW	(AB-J)
<b>M14</b>	15-11	0500	12211	Tue	952 817 817 53 53 == 68871 06199 91809 ... 04518 74984 48043 == 817 817 53 53 00000	CW	(AB-J)
<b>M14</b>	15-11	0520	10243	Tue	952 817 817 53 53 == 68871 06199 91809 ... 04518 74984 48043 == 817 817 53 53 00000	CW	(AB-J)
<b>M14</b>	16-11	0500	12211	Wed	952 604 604 55 55 == 74906 28087 56524 ... 99819 24323 33457 == 604 604 55 55 00000	CW	(AB-J)
<b>M14</b>	16-11	0520	10243	Wed	952 604 604 55 55 == 74906 28087 56524 ... 99819 24323 33457 == 604 604 55 55 00000	CW	(AB-J)
<b>M14</b>	17-11	0504	12211	Thu	952 318 318 52 52 == 74906 28087 56524 ... 97106 18100 45328 == 318 318 52 52 00000	CW	(AB-J)
<b>M14</b>	17-11	0522	10243	Thu	952 318 318 52 52 == 74906 28087 56524 ... 97106 18100 45328 == 318 318 52 52 00000	CW	(AB-J)
<b>M14</b>	18-11	0500	12211	Fri	952 706 706 52 52 == 43349 90160 68984 ... 11255 64790 50562 == 706 706 52 52 00000	CW	(AB-J)
<b>M14</b>	18-11	0523	10243	Fri	952 706 706 52 52 == 43349 90160 68984 ... 11255 64790 50562 == 706 706 52 52 00000	CW	(AB-J)
<b>M14</b>	21-11	0500	12211	Mon	952 731 731 62 62 == 12158 63659 35845 ... 07814 36337 67186 == 731 731 62 62 00000	CW	(AB-J)
<b>M14</b>	21-11	0520	10243	Mon	952 (R) off at 0524z. Back at 0527z with 12158 63659 35845 ... 07814 36337 67186 == 731 731 62 62 00000	CW	(AB-J)
<b>M14</b>	22-11	0500	12211	Tue	952 768 768 51 51 == 71865 36255 02656 ... 36476 37291 66900 == 768 768 51 51 00000	CW	(AB-J)
<b>M14</b>	22-11	0520	10243	Tue	952 768 768 51 51 == 71865 36255 02656 ... 36476 37291 66900 == 768 768 51 51 00000	CW	(AB-J)
<b>M14</b>	23-11	0500	12211	Wed	No transmission	CW	(AB-J)
<b>M14</b>	23-11	0520	10243	Wed	No transmission	CW	(AB-J)
<b>M14</b>	24-11	0505	12211	Thu	952 413 413 57 57 == 78284 45345 49399 ... 41053 44053 87420 == 413 413 57 57 00000 Started late with group 6.	CW	(AB-J)
<b>M14</b>	24-11	0520	10243	Thu	952 413 413 57 57 == 78284 45345 49399 ... 41053 44053 87420 == 413 413 57 57 00000	CW	(AB-J)
<b>M14</b>	25-11	0505	12211	Fri	952 760 760 55 55 == 01692 90949 33463 ... 11147 33640 38349 == 760 760 55 55 00000 Late start. No preamble but right into the message	CW	(AB-J)
<b>M14</b>	25-11	0520	10243	Fri	952 760 760 55 55 == 01692 90949 33463 ... 11147 33640 38349 == 760 760 55 55 00000	CW	(AB-J)
<b>M14</b>	27-11	0725	11487	Sun	534 629 629 31 31 == 61404 59787 19797 ... 86675 36068 29058 == 629 629 31 31 00000	CW	(PY)
<b>M14</b>	27-11	0800	9412	Sun	534 629 629 31 31 == 61404 59787 19797 ... 86675 36068 29058 == 629 629 31 31 00000	CW	(Pof)

<b>M14</b>	28-11	0500	12211	Mon	952 843 843 51 51 = = 46696 56895 74063 ... 20869 45200 91670 = = 843 843 51 51 00000 Wrong group count	CW	(AB-J)
<b>M14</b>	28-11	0520	10243	Mon	952 843 843 51 51 = = 46696 56895 74063 ... 20869 45200 91670 = = 843 843 51 51 00000 Wrong group count	CW	(AB-J)
<b>M14</b>	29-11	0500	12211	Tue	952 176 176 52 52 = = 46696 56895 74063 ... 20869 45200 91670 = = 176 176 52 52 00000	CW	(AB-J)
<b>M14</b>	29-11	0520	10243	Tue	952 176 176 52 52 = = 46696 56895 74063 ... 20869 45200 91670 = = 176 176 52 52 00000	CW	(AB-J)
<b>M14</b>	30-11	0500	12211	Wed	952 438 438 51 51 = = 99693 84633 90854 ... 75505 09184 86768 = = 438 438 51 51 00000	CW	(AB-J)
<b>M14</b>	30-11	0520	10243	Wed	952 438 438 51 51 = = 99693 84633 90854 ... 75505 09184 86768 = = 438 438 51 51 00000	CW	(AB-J)
<b>M21</b>	20-11	0501	4865.5	Sun	=990801??8????? =990802??8????? =990803??8?????	CW	(AB)
<b>M21</b>	23-11	1025	8755	Wed	=13501172309320= =135011723032= =13500172304324= =13501181378257=	CW	(AB)
<b>M21</b>	27-11	0547	4865.5	Sun	=990847??8????? =990848??8????? =990849??8?????	CW	(AB)
<b>M22</b>	6-11	2041	4331	Sun	VVV DE 4XZ 4XZ = =	CW	(F5OIH)
<b>M22</b>	6-11	2041	6607	Sun	VVV DE 4XZ 4XZ = =	CW	(F5OIH)
<b>M22</b>	10-11	1920	4331	Thu	TR AR NW QTC 1 NR 032 = = NR 032 UT V CR5L 123101 BC0Q GR 71 = = BQBQB GEMUO HROQR ...	CW	(AB)
<b>M23</b>	18-11	1559	5345	Fri	OOO (R 1h 23min)	CW	(AB)
<b>M23</b>	19-11	1049	5345	Sat	OOO (R 1h 22min)	CW	(AB)
<b>M23</b>	19-11	1559	5345	Sat	OOO (R 1h 22min)	CW	(AB)
<b>M23</b>	20-11	1049	5345	Sun	OOO (R 1h 22min)	CW	(AB)
<b>M23</b>	21-11	1419	5345	Mon	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	21-11	1559	5345	Mon	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	22-11	1419	5345	Tue	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	22-11	1559	5345	Tue	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	23-11	1419	5345	Wed	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	23-11	1559	5345	Wed	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	24-11	1419	5345	Thu	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	24-11	1559	5345	Thu	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	25-11	1419	5345	Fri	OOO (R 1h22min)	CW	(AB)
<b>M23</b>	25-11	1419	5345	Fri	OOO (R 1h22min)	CW	(AB)
<b>M23</b>	25-11	1559	5345	Fri	OOO (R 1h22min)	CW	(AB)
<b>M23</b>	25-11	1559	5345	Fri	OOO (R 1h22min)	CW	(AB/DF5JL)
<b>M23</b>	27-11	1419	5345	Sun	OOO (R 1h22min)	CW	(AB)
<b>M23</b>	27-11	1559	5345	Sun	OOO (R 1h22min)	CW	(AB)
<b>M23</b>	28-11	1419	5345	Mon	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	28-11	1559	5345	Mon	OOO (R 1h22m)	CW	(AB)
<b>M23</b>	29-11	0559	5359	Tue	Hourly beep	CW	(AB)
<b>M23</b>	29-11	0659	5359	Tue	Hourly beep	CW	(AB)
<b>M23</b>	29-11	0759	5359	Tue	Hourly beep	CW	(AB)
<b>M23</b>	29-11	0859	5359	Tue	Hourly beep	CW	(AB)
<b>M23</b>	29-11	0959	5345	Tue	000 (long zero's) (R 47min)	CW	(AB/MPJ)
<b>M23</b>	29-11	1559	5345	Tue	000 (long zero's) (R 47min)	CW	(AB)
<b>M23</b>	30-11	0959	5345	Wed	000 (long zero's) (R 47min)	CW	(AB)
<b>M23</b>	30-11	1559	5345	Wed	000 (long zero's) (R 47min)	CW	(AB)

<b>M32</b>	3-11	0905	13996	Thu	VVV VVV VVV 3PT8 3PT8 3PT8 QTC AR 227 34 1205 227 = ZLN 275 = 5LG message ends with PEPEP 983 K	CW	(AB)
<b>M32</b>	3-11	1026	10665	Thu	RDL RDL RDL 38140 60099 38140 60099 38140 60099 K	CW	(AB)
<b>M32</b>	19-11	0600	4619.5	Sat	VVV RJD99 RJD99 RJD99 UCZA9 QSA? K UCZA9 545 14 19 0800 545 = FOR RJD99 = 00883 01160 06622 ... 00002 000010 19012 = AR UCZA9 K	CW	(AB)
<b>M32</b>	21-11	0823	12152	Mon	883 22 21 1117 883 = 258 = 12039 49694 90488 ... 30639 71433 21020 K	CW	(AB)
<b>M32a</b>	25-11	1210	8345	Fri	VVV RIT RIT RIT DE RCRQ RCRQ QSA? QTC K RCRQ 631 16 25 50631 = FOR RJH82 RIF4 = 35121 99686 10638 ... 0///// 20403 25033 = AR RCQR RCRQ OK QRU K	CW	(AB)
<b>M32a</b>	25-11	1552	8345	Fri	VVV RIT RIT RIT DE RCRQ RCRQ QSA? QTC K RCRQ 8 87 4 25 1845 887 = SML = 78092 51830 25002 = AR RCRQ K RCRQ OK QRU K	CW	(AB)
<b>M32a</b>	26-11	0855	8345	Sat	RMIK Russian spy ship Admiral Vladimirskiy wkg RMP: Russian navy Kaliningrad. VVV RMP RMP RMP DE RMIK RMIK QSA ? QTC K	CW	(AB)
<b>M42</b>	1-11	0914	18196	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	1-11	0923	13401	Tue	Russian diplo.	MFSK-66	(RO)
<b>M42</b>	1-11	1012	17422	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	1-11	1014	17420	Tue	Russian diplo	MFSK-66	(AB)
<b>M42</b>	1-11	1030	17420	Tue	Russian diplo	MFSK-66	(AB)
<b>M42</b>	3-11	0729	14475	Thu	Russian diplo. Test	Serdolik v2	(AB)
<b>M42</b>	3-11	0732	16113	Thu	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	3-11	1300	16156	Thu	VVV VVV UAL UAL UAL QSA4 QSA? K. Header 11100 70103 56821 03144 04009	FSK 100/500 + FSK CW	(AB)
<b>M42</b>	7-11	0830	14878	Mon	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	8-11	0751	11071	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	8-11	0752	14830	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	8-11	0810	16255	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	8-11	1013	20816	Tue	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	9-11	0735	18177	Wed	Russian diplo	MFSK-66	(AB)
<b>M42</b>	10-11	0807	16062	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	10-11	0811	14668	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	10-11	1300	16156	Thu	UAL UAL UAL OUQ RX 75 QBN K BK K RPT AA 80 K AA 80 K BK UUX RX 15 K RYRYRYRYRYRYRYRYRY RTTY mostly unreadable CFM NIL SK	FSK 140/500 + FSK CW	(AB)
<b>M42</b>	11-11	0930	9357	Fri	Russian diplo. QSX 9357 kHz	MFSK-66	(AB)
<b>M42</b>	11-11	0930	10431	Fri	Russian diplo. QSX 10431 kHz	MFSK-66	(AB)
<b>M42</b>	11-11	0943	9286	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	14-11	0932	13686	Mon	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	15-11	0831	14376	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	15-11	0836	16190	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	15-11	0905	8003	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	15-11	0910	11010	Tue	Russian embassy Brussels	MFSK-66	(RO)
<b>M42</b>	15-11	0915	20333	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	15-11	0918	15943	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	15-11	0918	14356	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	15-11	0918	14801	Tue	Russian embassy Rome	MFSK-66	(RXR)



<b>M42</b>	15-11	0929	14801	Tue	Russian diplo	MFSK-66	(AB/RXR)
<b>M42</b>	15-11	1127	17427	Tue	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	15-11	1134	17421	Tue	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	15-11	1136	17419	Tue	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	15-11	1154	17419	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	15-11	1551	9142	Tue	Russian intel (49s)	PSK + PSK bursts	(PY)
<b>M42</b>	15-11	1553	9142	Tue	Russian intel. Cut off at 56s	10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1605	9142	Tue	Russian intel. Cut off at 35s	10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1620	9142	Tue	Russian intel. Cut off at 30s, back and off after 17s	10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1621	9142	Tue	Russian intel. Cut off at 8s	10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1622	9142	Tue	Russian intel. Cut off at 12s	10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1629	9142	Tue	Russian intel. Cut off at 11s, back and off after 18s	20Bd 16FSK	(PY)
<b>M42</b>	15-11	1632	9142	Tue	Russian intel. Cut off at 1m10s	5x10Bd 16FSK+PSK bursts	(PY)
<b>M42</b>	15-11	1635	9142	Tue	Russian intel. No callup. Off at 36s	PSK	(PY)
<b>M42</b>	15-11	1637	9142	Tue	Russian intel. No callup. (28s)	PSK	(PY)
<b>M42</b>	15-11	1638	9142	Tue	Russian intel. No callup. Cut off at 37s	PSK	(PY)
<b>M42</b>	15-11	1640	9142	Tue	Russian intel. No callup.	PSK	(PY)
<b>M42</b>	15-11	1642	9142	Tue	Russian intel. No callup. Cut off at 40s	PSK	(PY)
<b>M42</b>	16-11	1057	11431	Wed	Russian intel. 5-second two-tone callup, broken up and cut off	2-tones	(PY)
<b>M42</b>	16-11	1100	11431	Wed	Russian intel. cut off at 3m58s	5x16FSK+PSK bursts	(PY)
<b>M42</b>	16-11	1110	11431	Wed	Russian intel. cut off at 20s	kHz 5x16FSK+PSK bursts	(PY)
<b>M42</b>	16-11	1114	11431	Wed	Russian intel. Test. Serdolik callup?	FSK 40Bd/640Hz reversals	(PY)
<b>M42</b>	16-11	1130	11431	Wed	Russian intel. Message (52s)	PSK	(PY)
<b>M42</b>	16-11	1133	11431	Wed	Russian intel. Message (1m02s)	PSK+PSK bursts	(PY)
<b>M42</b>	17-11	0939	20175	Thu	Russian diplo. QSX 16340 kHz	MFSK-66	(AB)
<b>M42</b>	17-11	0947	16340	Thu	Russian diplo. QSX 20175 kHz	MFSK-66	(AB/EW)
<b>M42</b>	17-11	1024	10256	Thu	Wide signal similar to 16-11 pic k4	Bursts	(PY)
<b>M42</b>	17-11	1033	10256	Thu	Wide signal similar to 16-11	Bursts	(PY)
<b>M42</b>	17-11	1040	10256	Thu	Narrow signal for 2 minutes	Bursts	(PY)
<b>M42</b>	17-11	1103	13394	Thu	Russian diplo	MFSK-66	(AB)
<b>M42</b>	17-11	1149	10256	Thu	Overloaded signal bursts, possible +1000Hz subcarrier OFDM/PSK (150Bd?), possibly merely modem tone generation	Bursts	(PY)
<b>M42</b>	17-11	1209	10256	Thu	Intermittent 1000Hz tone with possible broken modulation	Tone	(PY)
<b>M42</b>	17-11	1215	10256	Thu	1000Hz tone during 7 minutes, signal wide with spurs	Tone	(PY)

<b>M42</b>	17-11	1223	10256	Thu	1000Hz tone during 7 minutes, signal wide with spurs	Tone	(PY)
<b>M42</b>	17-11	1300	16156	Thu	UAL UAL UAL header: 11100 70103 12458 17152 04009 CFM CFM NIL K SK	FSK 140/500 + FSK CW	(AB)
<b>M42</b>	17-11	1338	11572	Thu	Russian diplo	MFSK-13	(AB)
<b>M42</b>	17-11	1338	16275	Thu	Russian diplo	MFSK-66	(AB)
<b>M42</b>	18-11	1021	18322	Fri	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	18-11	1304	13868	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	18-11	1449	5165	Fri	Russian intel.	MFSK-13	(AB)
<b>M42</b>	18-11	1453	4332	Fri	Russian intel.	FSK intro/MFSK-13	(AB)
<b>M42</b>	20-11	1550	5112	Sun	Russian intel. Message (23s)	PSK	(PY)
<b>M42</b>	22-11	0730	10661	Tue	Russian domestic net. Operator chat followed by OFDM data traffic	OFDM-60	(AB)
<b>M42</b>	22-11	0750	11071	Tue	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	22-11	0750	14830	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	22-11	0754	14830	Tue	Russian embassy Baghdad	Serdolik v2	(RO)
<b>M42</b>	22-11	0814	16305	Tue	Russian diplo. QSX 16310 kHz	OFDM-112	(AB)
<b>M42</b>	22-11	0815	16310	Tue	Russian diplo. QSX 16305 kHz	OFDM-112	(AB)
<b>M42</b>	22-11	0816	10256	Tue	1000Hz tone then XPA callup, audio glitches then cut off at 54s	Tone	(PY)
<b>M42</b>	22-11	0819	10256	Tue	Mangled preamble, strange short contents 15979888846891, audio stutters at the end	Tone	(PY)
<b>M42</b>	22-11	0820	16235	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	22-11	0825	14939	Tue	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	22-11	1003	13964	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	22-11	1053	10256	Tue	1000Hz tone then PSK (23s), audio stutter at the end	PSK	(T101)
<b>M42</b>	22-11	1057	10256	Tue	Russian intel. Message (20s)	5x16FSK+PSK bursts	(T101)
<b>M42</b>	22-11	1558	11132	Tue	Russian diplo	OFDM-112	(AB)
<b>M42</b>	23-11	0700	9071	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0710	9053	Wed	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	23-11	0710	9053	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0720	9135	Wed	Russian intel.	2x 62.5Bd QPSK	(AB)
<b>M42</b>	23-11	0720	8088	Wed	Russian intel. Unconfirmed freq	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0730	8194	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0740	7762	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0750	7461	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0800	10352	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0810	10171	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0820	9399	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0830	9138	Wed	Russian intel. Message	5x10Bd 16FSK+250Bd BPSK	(AB)
<b>M42</b>	23-11	0830	9138	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0840	8192	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0850	7551	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0900	11156	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0910	10824	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	23-11	0920	10221	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)

M42	23-11	0930	9381	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	0940	9048	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	0950	8053	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1000	11487	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1010	10881	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1020	10366	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1030	9303	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1040	8166	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1050	7664	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1100	11526	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1110	11022	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1120	10421	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1130	9923	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1140	9081	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1150	8164	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1200	10758	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1210	9911	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1220	9267	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1230	7902	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1240	6888	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1250	5821	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1300	9181	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1310	8121	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1320	7531	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1330	6791	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1340	5261	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1350	4776	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1400	8121	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1410	8021	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1420	7464	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1430	6781	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1440	5814	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1450	5303	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1500	8136	Wed	Russian intel. Message (24s)	PSK	(PY)
M42	23-11	1500	6914	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1510	8074	Wed	Russian intel. Message (24s)	PSK	(PY)
M42	23-11	1510	6777	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1520	7504	Wed	Russian intel. Message (24s)	PSK	(PY)
M42	23-11	1520	5893	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1530	6821	Wed	Russian intel. Message (24s)	PSK	(PY)
M42	23-11	1530	5412	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1540	5848	Wed	Russian intel. Message (24s)	PSK	(PY)

M42	23-11	1540	4892	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	23-11	1550	5112	Wed	Russian intel. Message (24s)	PSK	(PY)
M42	23-11	1550	4569	Wed	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0700	9071	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0710	9053	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0720	8088	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0730	8194	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0740	7762	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0750	7461	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0800	10352	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0810	10171	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0820	9399	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0830	9138	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0840	8192	Thu	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB)
M42	24-11	0840	8192	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0850	7551	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0900	11156	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0910	10824	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0920	10221	Thu	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB)
M42	24-11	0920	10221	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0930	9381	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0938	10476	Thu	Russian diplo	MFSK-66	(RXR)
M42	24-11	0940	9048	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	0943	16223	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(RXR/Moon)
M42	24-11	0947	10478	Thu	Russian diplo	MFSK-66	(RO)
M42	24-11	0947	11635	Thu	Russian diplo	MFSK-66	(RXR)
M42	24-11	0950	8053	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1000	11487	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1010	10881	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1020	10366	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1030	9303	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1040	8166	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1050	7664	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1100	11526	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1110	11022	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1120	10421	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1130	9923	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1140	9081	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1150	8164	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1200	10758	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)

M42	24-11	1210	9911	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1220	9267	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1230	7902	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1240	6888	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1250	5821	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1300	16156	Thu	UAL UAL UAL Header: 11100 70103 98457 24157 04009	FSK 150/500 + FSK CW	(AB)
M42	24-11	1300	9181	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1310	8121	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1320	7531	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1330	6791	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1340	5261	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1350	4776	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1400	8121	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1410	8021	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1420	7464	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1430	6781	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1440	5814	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1450	5303	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1500	6914	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1510	6777	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1520	5893	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1530	5412	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1540	4892	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	24-11	1550	4569	Thu	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0700	9071	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0710	9053	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0720	8088	Fri	Russian intel. Message //8707 kHz	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0720	8707	Fri	Russian intel. Message //8088 kHz	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0730	8194	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0740	7762	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0750	7461	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0800	10352	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0810	10171	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0820	9399	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0830	9138	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0840	8192	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0850	7551	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0900	11156	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0910	10824	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0920	10221	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0930	9381	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
M42	25-11	0940	9048	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)

<b>M42</b>	25-11	0950	8053	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1000	11487	Fri	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB)
<b>M42</b>	25-11	1000	11487	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1005	12204	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	25-11	1005	13471	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	25-11	1010	10881	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1020	10366	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1030	9303	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1040	8166	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1048	10525	Fri	Russian diplo	PSK+OFDM-121	(VSh)
<b>M42</b>	25-11	1050	17431	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	25-11	1050	7664	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1052	7664	Fri	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB)
<b>M42</b>	25-11	1058	13441	Fri	Russian diplo	PSK+OFDM-121	(VSh)
<b>M42</b>	25-11	1100	11526	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1110	11022	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1120	10421	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1130	9923	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1140	9081	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1150	8164	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1200	10758	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1210	9911	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1220	9267	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1230	7902	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1240	6888	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1250	5821	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1300	9181	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1310	8121	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1320	7531	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1330	6791	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1340	5261	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1350	4776	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1400	8121	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1410	8021	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1420	7464	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1430	6781	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1440	5814	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1450	5303	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1500	6914	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1510	6777	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)



<b>M42</b>	25-11	1520	5893	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1530	5412	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1540	4892	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	25-11	1550	4569	Fri	Russian intel. Message	5x16FSK+PSK bursts	(PY/T101)
<b>M42</b>	27-11	1035	14933	Sun	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	27-11	1037	10963	Sun	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	27-11	1040	12144	Sun	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	27-11	1044	12096	Sun	Russian diplo	Serdolik v2	(Anon)
<b>M42</b>	27-11	1048	13895	Sun	Russian embassy Algiers	Serdolik v2	(RO)
<b>M42</b>	27-11	1107	12096	Sun	Russian diplo	Serdolik v2	(Anon)
<b>M42</b>	27-11	1114	13895	Sun	Russian embassy Algiers	Serdolik v2	(RO)
<b>M42</b>	28-11	1118	10525	Mon	Russian diplo	PSK+OFDM-121	(VSh)
<b>M42</b>	29-11	0822	16310	Tue	Russian diplo	OFDM-112	(AB)
<b>M42</b>	29-11	1132	13441	Tue	Russian diplo	PSK+OFDM-121	(VSh)
<b>M42</b>	30-11	1130	18376	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
<b>M42</b>	30-11	1140	18376	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
<b>M42</b>	30-11	1150	18376	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
<b>M42</b>	30-11	1200	18376	Wed	Russian net	MFSK-11/125Bd/250Hz	(AB)
<b>M42b</b>	18-11	0940	9206	Fri	NT9P NT9P NT9P DE K4MT K4MT K QSA4 QSA? K QTC1 ZCC K 767 100 18 0931 8795 = 71596 14465 77525 ... 33864 20319 07615 =100= -0944 CFM NIL QRU? K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	0940	10965	Fri	K4MT K4MT K4MT DE NT9P NT9P K QSA4 QRU? K QTC1 ZCC K 313 100 18 0940 1478 = 08861 16201 54919 ... 02215 50085 01961 =100= -0947 CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	0955	9206	Fri	NT9P NT9P NT9P DE K4MT K4MT K QSA4 QSA? K QTC1 ZCC K 337 100 18 0950 47__ = 42670 _1876 8828_ ... 14022 36513 80314 =100= -0954 CFM QSL? K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	0955	10965	Fri	K4MT K4MT K4MT DE NT9P NT9P K QSA4 QRU? K QTC1 ZCC K 405 100 18 0950 4025 = 46380 40903 22963 ... 17475 59718 64213 =100= -0951 CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1420	9206	Fri	NT9P NT9P NT9P DE K4MT K4MT K 656 100 18 1400 8409 = 59266 88262 25067 ... 79950 24415 03135 =100= -1423 CFM QRU? K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1420	10165	Fri	K4MT K4MT K4MT DE NT9P NT9P K 5780 110 18 8420 36217 27810 27720 ... 78634 54420 02452 -- 1426( CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1450	9204	Fri	NT9P NT9P NT9P DE K4MT K4MT K 116 100 18 1430 8809 = 59266 88262 25067 ... 79950 24415 03135 =100= -1454( CFM QRU? K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1450	10165	Fri	K4MT K4MT K4MT DE NT9P NT9P K 930 100 18 1453 6990 = 03996 01946 72307 ... 47113 58864 75171 =100= -1457= CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1519	10165	Fri	K4MT K4MT K4MT DE NT9P NT9P K 931 100 18 1519 6884 = 93582 59401 85641 ... 21727 00943 61810 =100= -1527= CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	18-11	1559	10165	Fri	K4MT K4MT K4MT DE NT9P NT9P K 932 100 18 1534 4383 = 68592 28066 42612 ... 77232 87700 53637 =100= -1606= CFM NIL K	FSK 50/500 + CW	(AB)

<b>M42b</b>	18-11	1640	10165	Fri	K4MT K4MT K4MT DE NT9P NT9P K 808 100 18 1635 4608 = 36060 23873 38077 ... 58885 69365 67737 =100= -1645= CFM NIL K	FSK 50/500 + CW	(AB)
<b>M42b</b>	20-11	0413	4871	Sun	729 182 20 0400 1547 = 46380 43903 22963 63305 54332 01455 ... SK8I DE G3WM G3WM QSA4 QSA? K	FSK 50/500 + CW	(VSh)
<b>M42b</b>	22-11	0803	10165	Tue	NT9P NT9P NT9P 578 120 22 0805 4875 = 77635 08713 38744 ... 64113 80765 50328 -0808= CFM NIL QRU? K	FSK 50/500 + CW	(AB)
<b>M42b</b>	24-11	1139	9206	Thu	NT9P NT9P NT9P DE K4MT K4MT K RTTY (too weak to copy)	FSK 50/500 + CW	(AB)
<b>M42b</b>	24-11	1145	9206	Thu	NT9P NT9P NT9P DE K4MT K4MT K 913 110 24 01 3175 = 86837 22706 30529 ... 26329 53260 00446 -1153 CFM QRU? K	FSK 50/500 + CW	(AB/T101)
<b>M42b</b>	25-11	1055	9206	Fri	VVV ? NT9P NT9P NT9P DE K4MT K4MT K 718 102 25 1055 6214 = 22634 83384 85635 ... 29190 =100= 64612 54829 -1103( CFM NIL SK	FSK 50/500 + CW	(AB)
<b>M51b</b>	5-11	1130	10825	Sat	FAV22: French Morse Practice, LGs, FGs, Punctuation	CW	(MPJ)
<b>M51b</b>	14-11	1533	6825	Mon	FAV22: French Morse Practice. Mixed Figs/Ltrs/Punct	CW	(MPJ)
<b>M89</b>	11-11	2000	3596	Fri	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
<b>M89</b>	11-11	2000	4888	Fri	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
<b>M89</b>	11-11	2002	4457	Fri	VVV (x3) Q5Z1 (x3) DE W2XB (x2)	CW	(JPL)
<b>M89</b>	11-11	2020	4860	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	11-11	2020	6840	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
<b>M95</b>	11-11	2008	4178	Fri	V XP5B (x3) DE S2DJ (x2)	CW	(JPL)
<b>MC03</b>	29-11	0939	9153	Tue	Chinese Air Defense. Long message i.p. 773 357 4UT 44D 46N N3D 447 4D6 75D 4D3 ... ZNN SK	CW	(EW)
<b>MX</b>	2-11	0630	20048.6	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(EW)
<b>MX</b>	3-11	0834	8497.8	Thu	Beacon L, St Petersburg	CW	(AB)
<b>MX</b>	3-11	0835	8494.8	Thu	Beacon P, Kaliningrad	CW	(AB)
<b>MX</b>	3-11	0835	8494.9	Thu	Beacon S, Severomorsk	CW	(AB)
<b>MX</b>	6-11	2025	8494.7	Sun	Beacon D, Sevastopol	CW	(F5OIH)
<b>MX</b>	6-11	2025	8494.9	Sun	Beacon S, Severomorsk	CW	(F5OIH)
<b>MX</b>	6-11	2027	8495.1	Sun	Beacon A, Astrakhan	CW	(F5OIH)
<b>MX</b>	6-11	2027	8497.8	Sun	Beacon L, St Petersburg	CW	(F5OIH)
<b>MX</b>	6-11	2029	7508.8	Sun	Beacon P, Kaliningrad	CW	(F5OIH)
<b>MX</b>	6-11	2029	7508.9	Sun	Beacon S, Severomorsk	CW	(F5OIH)
<b>MX</b>	6-11	2030	7509.1	Sun	Beacon A, Astrakhan	CW	(F5OIH)
<b>MX</b>	6-11	2031	7508.7	Sun	Beacon D, Sevastopol	CW	(F5OIH)
<b>MX</b>	6-11	2036	5153.7	Sun	Beacon D, Sevastopol	CW	(F5OIH)
<b>MX</b>	6-11	2037	5153.9	Sun	Beacon S, Severomorsk	CW	(F5OIH)
<b>P03</b>	2-11	1935	6849	Wed	Polish intel.	PSK	(AB/MPJ)
<b>P03</b>	2-11	1940	6849	Wed	Polish intel.	PSK	(AB/MPJ)
<b>P03</b>	3-11	1615	8091	Thu	Polish intel.	50Bd BPSK	(PY)
<b>P03</b>	3-11	1620	8091	Thu	Polish intel.	50Bd BPSK	(PY)
<b>P03</b>	3-11	1935	6849	Thu	Polish intel.	PSK	(AB)
<b>P03</b>	3-11	1940	6849	Thu	Polish intel.	PSK	(AB)
<b>P03</b>	4-11	1935	6849	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	4-11	1940	6849	Fri	Polish intel.	PSK	(AB)



P03	5-11	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	5-11	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	6-11	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	6-11	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	7-11	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	7-11	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	8-11	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	8-11	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	9-11	1935	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	9-11	1940	6849	Wed	Polish intel.	PSK	(AB/MPJ)
P03	10-11	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	10-11	1940	6849	Thu	Polish intel.	PSK	(AB)
P03	11-11	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	11-11	1940	6849	Fri	Polish intel.	PSK	(AB)
P03	12-11	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	12-11	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	13-11	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	13-11	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	14-11	1935	6849	Mon	Polish intel.	PSK	(AB/MPJ)
P03	14-11	1940	6849	Mon	Polish intel.	PSK	(AB/MPJ)
P03	15-11	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	15-11	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	16-11	1935	6849	Wed	Polish intel.	PSK	(AB)
P03	16-11	1940	6849	Wed	Polish intel.	PSK	(AB)
P03	17-11	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	17-11	1940	6849	Thu	Polish intel.	PSK	(AB)
P03	18-11	1935	6849	Fri	Polish intel.	PSK	(AB/MPJ)
P03	18-11	1940	6849	Fri	Polish intel.	PSK	(AB/MPJ)
P03	19-11	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	19-11	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	20-11	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	20-11	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	21-11	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	21-11	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	22-11	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	22-11	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	23-11	1935	6849	Wed	Polish intel.	PSK	(AB)
P03	23-11	1940	6849	Wed	Polish intel.	PSK	(AB)
P03	24-11	1935	6849	Thu	Polish intel.	PSK	(AB)
P03	24-11	1940	6849	Thu	Polish intel.	PSK	(AB)
P03	25-11	1935	6849	Fri	Polish intel.	PSK	(AB)
P03	25-11	1940	6849	Fri	Polish intel.	PSK	(AB)

P03	26-11	1935	6849	Sat	Polish intel.	PSK	(AB)
P03	26-11	1940	6849	Sat	Polish intel.	PSK	(AB)
P03	27-11	1935	6849	Sun	Polish intel.	PSK	(AB)
P03	27-11	1940	6849	Sun	Polish intel.	PSK	(AB)
P03	28-11	1935	6849	Mon	Polish intel.	PSK	(AB)
P03	28-11	1940	6849	Mon	Polish intel.	PSK	(AB)
P03	29-11	1935	6849	Tue	Polish intel.	PSK	(AB)
P03	29-11	1940	6849	Tue	Polish intel.	PSK	(AB)
P03	30-11	1935	6849	Wed	Polish intel.	PSK	(AB)
P03	30-11	1940	6849	Wed	Polish intel.	PSK	(AB)
P03e	1-11	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	1-11	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	4-11	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	4-11	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-11	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-11	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-11	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-11	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	8-11	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	8-11	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-11	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-11	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13-11	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	13-11	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	13-11	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	13-11	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	15-11	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	15-11	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	18-11	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	18-11	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	20-11	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	20-11	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	20-11	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	20-11	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	22-11	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	22-11	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	25-11	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	25-11	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	27-11	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	27-11	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	27-11	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	27-11	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

<b>P03e</b>	29-11	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	29-11	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03g</b>	2-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	2-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	4-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
<b>P03g</b>	4-11	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
<b>P03g</b>	9-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	9-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	11-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	11-11	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	16-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	16-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	18-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
<b>P03g</b>	18-11	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
<b>P03g</b>	23-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	23-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	25-11	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	25-11	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	30-11	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03g</b>	30-11	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
<b>P03h</b>	2-11	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	2-11	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	7-11	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	7-11	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	9-11	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	9-11	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	14-11	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	14-11	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	16-11	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	16-11	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	21-11	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	21-11	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	23-11	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	23-11	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	28-11	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	28-11	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	30-11	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03h</b>	30-11	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
<b>P03i</b>	1-11	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
<b>P03i</b>	1-11	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
<b>P03i</b>	1-11	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
<b>P03i</b>	1-11	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)

P03i	1-11	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	1-11	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	2-11	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-11	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	3-11	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	3-11	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	3-11	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	3-11	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	8-11	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-11	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-11	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-11	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-11	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-11	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-11	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	9-11	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	9-11	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-11	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	10-11	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	10-11	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	10-11	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	10-11	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	10-11	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	10-11	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	15-11	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-11	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-11	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-11	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-11	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-11	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-11	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	16-11	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	16-11	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-11	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	17-11	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	17-11	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	17-11	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	17-11	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	17-11	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	17-11	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	22-11	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-11	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)

P03i	22-11	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-11	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-11	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	22-11	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	23-11	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	23-11	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	23-11	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	23-11	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	24-11	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	24-11	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	24-11	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	24-11	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	24-11	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	24-11	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	29-11	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-11	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-11	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-11	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	29-11	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	29-11	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	30-11	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	30-11	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	30-11	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	30-11	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03j	3-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	3-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	7-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	7-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	10-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	14-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	17-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	21-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	24-11	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	24-11	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	28-11	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-11	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-11	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	1-11	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	2-11	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-11	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-11	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-11	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-11	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-11	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-11	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-11	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-11	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-11	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-11	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-11	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-11	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	6-11	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	6-11	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	6-11	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	6-11	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-11	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-11	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	7-11	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	8-11	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-11	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-11	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-11	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)



P03k	10-11	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	10-11	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	10-11	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-11	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-11	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-11	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-11	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-11	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	12-11	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	12-11	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-11	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-11	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-11	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-11	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-11	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13-11	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-11	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-11	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	14-11	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	14-11	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-11	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-11	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-11	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-11	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-11	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	17-11	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)

P03k	17-11	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-11	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-11	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-11	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-11	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-11	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-11	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-11	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	19-11	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	19-11	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-11	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	19-11	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-11	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	20-11	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	20-11	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-11	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-11	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-11	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-11	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	20-11	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	20-11	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	20-11	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	20-11	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-11	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-11	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	21-11	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	21-11	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-11	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-11	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-11	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-11	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-11	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-11	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	24-11	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	24-11	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-11	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)



P03k	25-11	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-11	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-11	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-11	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-11	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-11	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-11	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	26-11	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	26-11	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-11	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-11	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-11	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-11	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-11	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-11	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-11	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-11	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-11	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-11	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-11	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-11	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-11	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-11	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	27-11	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	27-11	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-11	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-11	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-11	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-11	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-11	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-11	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-11	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-11	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-11	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-11	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03I	2-11	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-11	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-11	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	4-11	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5-11	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	5-11	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(MPJ)

P03I	6-11	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	6-11	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	9-11	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-11	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-11	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	11-11	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	12-11	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	12-11	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	13-11	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	13-11	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	16-11	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	16-11	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	18-11	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-11	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-11	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	19-11	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-11	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-11	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	23-11	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-11	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-11	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-11	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-11	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	26-11	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	27-11	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	27-11	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	30-11	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-11	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
S06	1-11	0400	11616	Tue	480 619 52 57450 97168 41768 ... 30356 69728 34602 619 52 00000	USB	(Subilo/HFD-J)
S06	1-11	0420	9322	Tue	480 619 52 57450 97168 41768 ... 30356 69728 34602 619 52 00000	USB	(Subilo/HFD-J)
S06	2-11	0400	11616	Wed	480 253 61 80456 53220 17187 ... 92234 72386 96764 253 61 00000	USB	(Subilo)
S06	2-11	0420	9322	Wed	480 253 61 80456 53220 17187 ... 92234 72386 96764 253 61 00000	USB	(Subilo)
S06	3-11	0400	11616	Thu	480 697 52 80456 53220 17187 ... 59200 03996 68865 697 52 00000	USB	(Subilo)
S06	3-11	0420	9322	Thu	480 697 52 80456 53220 17187 ... 59200 03996 68865 697 52 00000	USB	(Subilo)
S06	4-11	2000	7672	Fri	319 319 319 00000	USB	(AB/PY/HFD)
S06	4-11	2100	5457	Fri	319 319 319 00000 Windows XP shutdown sound	USB	(AB/PY/HFD)
S06	7-11	0400	11616	Mon	480 125 63 83368 65427 73695 ... 68567 11654 13504 125 63 00000	USB	(Subilo)
S06	7-11	0420	9322	Mon	480 125 63 83368 65427 73695 ... 68567 11654 13504 125 63 00000	USB	(Subilo)
S06	8-11	0400	11616	Tue	480 379 51 19965 49120 14913 ... 98909 51098 02090 379 51 00000	USB	(Subilo)
S06	8-11	0420	9322	Tue	480 379 51 19965 49120 14913 ... 98909 51098 02090 379 51 00000	USB	(Subilo)
S06	9-11	0400	11616	Wed	480 216 52 19965 49120 14913 ... 51098 02090 73895 216 52 00000	USB	(Subilo)
S06	9-11	0420	9322	Wed	480 216 52 19965 49120 14913 ... 51098 02090 73895 216 52 00000	USB	(Subilo)

<b>S06</b>	10-11	0400	11616	Thu	480 537 61 08171 62037 07552 ... 79613 12887 36178 537 61 00000	USB	(Subilo)
<b>S06</b>	10-11	0420	9322	Thu	480 537 61 08171 62037 07552 ... 79613 12887 36178 537 61 00000	USB	(Subilo)
<b>S06</b>	11-11	0400	11616	Fri	480 916 52 34953 68419 95402 ... 79205 07949 24936 916 52 00000	USB	(Subilo)
<b>S06</b>	11-11	0420	9322	Fri	480 916 52 34953 68419 95402 ... 79205 07949 24936 916 52 00000	USB	(Subilo)
<b>S06</b>	14-11	0400	11616	Mon	480 372 54 30870 80647 18140 ... 48074 72734 45125 372 54 00000	USB	(Subilo)
<b>S06</b>	14-11	0420	9322	Mon	480 372 54 30870 80647 18140 ... 48074 72734 45125 372 54 00000	USB	(Subilo)
<b>S06</b>	15-11	0400	11616	Tue	480 951 62 88185 65234 78663 ... 02037 88540 69920 951 62 00000	USB	(Subilo)
<b>S06</b>	15-11	0420	9322	Tue	480 951 62 88185 65234 78663 ... 02037 88540 69920 951 62 00000	USB	(Subilo)
<b>S06</b>	16-11	0400	11616	Wed	480 327 54 75983 70740 15325 ... 03404 44659 05777 327 54 00000	USB	(Subilo)
<b>S06</b>	16-11	0420	9322	Wed	480 327 54 75983 70740 15325 ... 03404 44659 05777 327 54 00000	USB	(Subilo)
<b>S06</b>	17-11	0400	11616	Thu	480 591 62 70975 71657 87479 ... 66671 50334 31346 591 62 00000	USB	(Subilo)
<b>S06</b>	17-11	0420	9322	Thu	480 591 62 70975 71657 87479 ... 66671 50334 31346 591 62 00000	USB	(Subilo)
<b>S06</b>	18-11	0400	11616	Fri	480 652 70 63586 73910 07269 ... 14451 04814 51622 652 70 00000	USB	(Subilo)
<b>S06</b>	18-11	0420	9322	Fri	480 652 70 63586 73910 07269 ... 14451 04814 51622 652 70 00000	USB	(Subilo)
<b>S06</b>	18-11	2000	7672	Fri	319 720 51 80068 88044 45888 ... 69727 08204 02725 720 51 00000	USB	(AB/MPJ)
<b>S06</b>	18-11	2100	5457	Fri	319 720 51 80068 88044 45888 ... 69727 08204 02725 720 51 00000	USB	(AB)
<b>S06</b>	19-11	2000	7672	Sat	319 720 51 80068 88044 45888 ... 69727 08204 02725 720 51 00000	USB	(AB-POL)
<b>S06</b>	19-11	2100	5457	Sat	319 720 51 80068 88044 45888 ... 69727 08204 02725 720 51 00000	USB	(AB)
<b>S06</b>	21-11	0400	11616	Mon	480 719 54 52170 54824 02277 ... 93791 57216 69308 719 54 00000	USB	(Subilo)
<b>S06</b>	21-11	0420	9322	Mon	480 719 54 52170 54824 02277 ... 93791 57216 69308 719 54 00000	USB	(Subilo)
<b>S06</b>	22-11	0400	11616	Tue	480 326 51 69060 72943 38272 ... 15312 7761064997 326 51 00000	USB	(Subilo)
<b>S06</b>	22-11	0420	9322	Tue	480 326 51 69060 72943 38272 ... 15312 7761064997 326 51 00000	USB	(Subilo)
<b>S06</b>	24-11	0400	11616	Thu	480 795 64 29493 56499 00967 ... 65080 27812 25898 795 64 00000	USB	(Subilo)
<b>S06</b>	24-11	0420	9322	Thu	480 795 64 29493 56499 00967 ... 65080 27812 25898 795 64 00000	USB	(Subilo)
<b>S06</b>	25-11	0400	11616	Fri	480 136 54 90286 54232 63260 ... 16982 43038 44561 136 54 00000	USB	(Subilo)
<b>S06</b>	25-11	0420	9322	Fri	480 136 54 90286 54232 63260 ... 16982 43038 44561 136 54 00000	USB	(Subilo)
<b>S06</b>	28-11	0400	11616	Mon	480 752 61 72171 82129 91805 ... 63384 27245 36416 752 61 00000	USB	(Subilo)
<b>S06</b>	28-11	0420	9322	Mon	480 752 61 72171 82129 91805 ... 63384 27245 36416 752 61 00000	USB	(Subilo)
<b>S06</b>	29-11	0400	11616	Tue	480 396 52 72171 82129 91805 ... 24290 27602 88522 396 52 00000	USB	(Subilo)
<b>S06</b>	29-11	0420	9322	Tue	480 396 52 72171 82129 91805 ... 24290 27602 88522 396 52 00000	USB	(Subilo)
<b>S06</b>	30-11	0400	11616	Wed	480 521 63 51072 94310 57538 ... 60531 87707 01600 521 63 00000	USB	(Subilo)
<b>S06</b>	30-11	0420	9322	Wed	480 521 63 51072 94310 57538 ... 60531 87707 01600 521 63 00000	USB	(Subilo)
<b>S06c</b>	24-11	1042	15736	Thu	11115 (R)	USB	(PY)
<b>S06c</b>	24-11	1050	15736	Thu	11115 (R)	USB	(VSh/T101)
<b>S06c</b>	24-11	1100	13468	Thu	11115 (R)	USB	(AB/T101)
<b>S11A</b>	1-11	0445	11559	Tue	793/00	USB	(HFD)
<b>S11a</b>	1-11	0500	12530	Tue	381/00	USB	(AB-POL/HFD)
<b>S11A</b>	1-11	1400	6252	Tue	427/32=67420	USB	(HFD)
<b>S11a</b>	2-11	0510	9057	Wed	657/00	USB	(AB/HFD)
<b>S11A</b>	2-11	0510	9057	Wed	657/00	USB	(HFD)
<b>S11a</b>	2-11	1850	11486	Wed	280/32 Vnimanaye 98655 15426 46357 ... 23624 87997 42872 Vnimanaye (message repeated) Konets	USB	(AB/HFD)

<b>S11a</b>	3-11	0445	11559	Thu	798/00	USB	(AB-POL)
<b>S11a</b>	3-11	0500	12530	Thu	380/00	USB	(AB-POL)
<b>S11a</b>	3-11	0700	9050	Thu	477/00	USB	(AB/HFD)
<b>S11a</b>	4-11	0915	6252	Fri	481/00	USB	(AB/HFD)
<b>S11a</b>	4-11	1400	6252	Fri	427/32 Vnimanaye 67420 67762 69308 ... 63606 29463 81872 Vnimanaye (message repeated) Konets	USB	(AB/MPJ-POL)
<b>S11a</b>	5-11	0830	5371	Sat	370/00	USB	(AB/HFD)
<b>S11a</b>	5-11	1850	11486	Sat	280/32 Vnimanaye 98655 15426 46357 ... 23624 87997 42872 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	6-11	0830	5371	Sun	373/00	USB	(AB)
<b>S11a</b>	7-11	0510	9057	Mon	655/31 Vnimanaye 53529 89608 35618 ... 72622 03813 65764 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	7-11	0700	9050	Mon	471/38 Vnimanaye 63615 70956 51094 ... 12603 75537 40266 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	7-11	0915	6252	Mon	483/00	USB	(AB)
<b>S11a</b>	8-11	0445	11559	Tue	794/00	USB	(AB)
<b>S11a</b>	8-11	0500	12530	Tue	380/32 Vnimanaye 32059 67415 11334 ... 54386 78736 95771 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	8-11	1400	6252	Tue	427/00	USB	(AB)
<b>S11a</b>	9-11	0510	9057	Wed	654/31 Vnimanaye 53429 89608 35618 ... 72622 03813 65764 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	9-11	1850	11486	Wed	288/00	USB	(AB/MPJ-AUT)
<b>S11a</b>	10-11	0445	11559	Thu	793/00	USB	(AB-POL)
<b>S11a</b>	10-11	0500	12530	Thu	380/32 Vnimanaye 32049 67515 11334 ... 55386 78736 95771 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	10-11	0700	9050	Thu	471/38 Vnimanaye 63615 70956 51094 ... 12603 75537 40266 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	11-11	0915	6252	Fri	480/00	USB	(AB)
<b>S11a</b>	11-11	1400	6252	Fri	424/00	USB	(AB/MPJ-POL)
<b>S11a</b>	12-11	0830	5371	Sat	376/00	USB	(AB)
<b>S11a</b>	12-11	1850	11486	Sat	282/00	USB	(AB)
<b>S11a</b>	13-11	0830	5371	Sun	370/00	USB	(AB)
<b>S11a</b>	14-11	0510	9057	Mon	655/00	USB	(AB-POL)
<b>S11a</b>	14-11	0700	9050	Mon	479/00	USB	(AB)
<b>S11a</b>	14-11	0915	6252	Mon	481/00	USB	(AB)
<b>S11a</b>	15-11	0445	11559	Tue	790/00	USB	(AB)
<b>S11a</b>	15-11	0500	12530	Tue	389/00	USB	(AB-POL)
<b>S11a</b>	15-11	1400	6252	Tue	420/00	USB	(AB)
<b>S11a</b>	16-11	0510	9057	Wed	651/00	USB	(AB-POL)
<b>S11a</b>	16-11	1850	11486	Wed	288/00	USB	(MPJ)
<b>S11a</b>	17-11	0445	11559	Thu	791/00	USB	(AB-POL)
<b>S11a</b>	17-11	0500	12530	Thu	385/00	USB	(AB-POL)

<b>S11a</b>	17-11	0700	9050	Thu	477/00	USB	(AB)
<b>S11a</b>	18-11	0915	6252	Fri	485/00	USB	(AB)
<b>S11a</b>	18-11	1400	6252	Fri	422/00	USB	(AB/MPJ)
<b>S11a</b>	19-11	0830	5371	Sat	377/31 Vnimanaye 32256 38524 27116 ... 00189 08962 45430 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	19-11	1850	11486	Sat	Active but too weak to copy	USB	(MPJ)
<b>S11a</b>	20-11	0830	5371	Sun	377/31 Vnimanaye 32256 38524 27116 ... 00189 08962 45430 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	21-11	0510	9057	Mon	654/00	USB	(AB-POL)
<b>S11a</b>	21-11	0700	9050	Mon	476/00	USB	(AB)
<b>S11a</b>	22-11	0445	11559	Tue	790/36 Vnimanaye 83363 75153 14398 ... 94947 89572 19640 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	22-11	0500	12530	Tue	384/00	USB	(AB-POL)
<b>S11a</b>	22-11	1400	6252	Tue	420/00	USB	(AB/MPJ)
<b>S11a</b>	23-11	0510	9057	Wed	659/00	USB	(AB-POL)
<b>S11a</b>	23-11	1850	11486	Wed	280/00	USB	(Anon)
<b>S11a</b>	24-11	0445	11559	Thu	790/36 Vnimanaye 83363 75153 14398 ... 94947 89572 19640 Vnimanaye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	24-11	0500	12530	Thu	383/00	USB	(AB-AUT)
<b>S11a</b>	24-11	0700	9050	Thu	477/00	USB	(AB)
<b>S11a</b>	25-11	0915	6252	Fri	480/35 Vnimanaye 54963 33084 97122 ... 72984 08892 38255 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	25-11	1400	6252	Fri	425/00	USB	(AB)
<b>S11a</b>	26-11	0830	5371	Sat	372/00	USB	(AB)
<b>S11a</b>	26-11	1850	11486	Sat	281/00	USB	(AB-POL)
<b>S11a</b>	27-11	0830	5371	Sun	379/00	USB	(AB)
<b>S11a</b>	28-11	0510	9057	Mon	651/00	USB	(AB-POL)
<b>S11a</b>	28-11	0700	9050	Mon	470/00	USB	(AB)
<b>S11a</b>	28-11	0915	6252	Mon	485/00	USB	(AB-POL)
<b>S11a</b>	29-11	0445	11559	Tue	798/00	USB	(AB-POL)
<b>S11a</b>	29-11	0500	12530	Tue	387/00	USB	(AB-CYP)
<b>S11a</b>	29-11	1400	6252	Tue	426/00	USB	(AB/MPJ)
<b>S11a</b>	30-11	0510	9057	Wed	655/00	USB	(AB-POL)
<b>S11a</b>	30-11	1850	11486	Wed	287/00	USB	(AB-POL)
<b>S25a</b>	23-11	1226	10175	Wed	11111 11111 00000 00000 11111 11111 00000 00000 11111 11111 00000 00000 11111 11111 00000 00000	USB	(AB)
<b>TUN</b>	7-11	0845	13945	Mon	TU1 Tunisian embassy Paris clg STAT154: MFA Tunis	Mil-STD-188-141A/USB	(AB)
<b>TUN</b>	7-11	0845	13945	Mon	MFA Tunis encrypted mail to Tunisian embassy Paris: IPM.Note mail.hse DE- FAULT@#HFARQ#STAT154 DEFAULT@#HFARQ#STAT154 HFARQ#STAT1 20221107094255:DE- FAULT@	Pactor-II	(AB)
<b>TUN</b>	7-11	0845	13945	Mon	STAT154: MFA Tunis clg TU1 Tunisian embassy Paris followed by PACTOR-II encrypted email	Mil-STD-188-141A/USB	(AB)

<b>TUN</b>	7-11	0910	13945	Mon	STAT154: MFA Tunis encrypted mail to STAT2: Tunisian embassy Berlin: IPM.Note mail.hse DE-FAULT@#HFARQ#STAT154 DEFAULT@#HFARQ#STAT154 HFARQ#STAT2 20221107100504:DEFAULT	Pactor-II	(AB)
<b>TUN</b>	29-11	0837	16285	Tue	STAT11: unid embassy clg STAT155: MFA Tunis	Mil-STD-188-141A/USB	(AB)
<b>TUN</b>	29-11	0839	16285	Tue	STAT155 MFA Tunis clg STAT11	Mil-STD-188-141A/USB	(AB)
<b>TUN</b>	29-11	0841	16285	Tue	STAT5 unid embassy clg STAT154: MFA Tunis	Mil-STD-188-141A/USB	(AB)
<b>UM04</b>	1-11	0800	4735	Tue	VVV VVV PROMRCh = 01 12 = 1000 0870 0910 1080 1560 ... 0800 0720 0770 0920 1360 = AR	CW	(Subilo)
<b>UM04</b>	2-11	0800	4735	Wed	VVVVV PROMRCh = 0211 = 1000 0870 0920 1080 1560 ... 0800 0720 0770 0920 1360 = AR	CW	(Subilo)
<b>UM04</b>	4-11	0800	4735	Fri	VVV VVV PROMRCh = 0411 = 1000 0870 0920 1080 1570 ... 0800 0720 0770 0930 1370 = AR	CW	(Subilo)
<b>UM04</b>	5-11	0800	4735	Sat	VVVVV PROMRCh = 05 11 = 1000 0880 0920 1090 1580 ... 0800 0720 0770 0930 1360 = AR	CW	(Subilo)
<b>UM04</b>	6-11	0800	4735	Sun	VVV VVV PROMRCh = 06 11 = 1000 0850 0900 1070 1540 ... 0800 0720 0770 0930 1370 = AR	CW	(Subilo)
<b>UM04</b>	7-11	0800	4735	Mon	VVV VVV PROMRCh = 07 11 = 1000 0890 0940 1110 1600 ... 0800 0720 0770 0930 1370 = AR	CW	(Subilo)
<b>UM04</b>	8-11	0800	4735	Tue	VVV VVV = PROMRCh = 0811 = 1000 0900 0950 1110 1610 ... 0800 0730 0780 0930 1380 = AR	CW	(Subilo)
<b>UM04</b>	9-11	0800	4735	Wed	VVV VVV PROMRCh = 09 11 = 1000 0900 0950 1120 1620 ... 0800 0730 0780 0940 1380 = AR	CW	(Subilo)
<b>UM04</b>	11-11	0800	4735	Fri	VVVVV PROMRCh = 11 11 = 1000 0920 0970 1400 1650 ... 0800 0740 0790 0950 1390 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	12-11	0800	4735	Sat	VVV VVV PROMRCh = 12 11 = 1000 0920 0970 1140 1650 ... 0800 0730 0780 0490 1390 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	13-11	0800	4735	Sun	VVVVV PROMRCh = 13 11 = 1000 0920 0980 1150 1660 ... 0800 0730 0780 0940 1380 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	14-11	0800	4735	Mon	VVV VVV PROMRCh = 14 11 = 1000 0930 0980 1200 1670 ... 0800 0730 0780 0940 1390 = AR	CW	(Subilo)
<b>UM04</b>	15-11	0800	4735	Tue	VVV VVV = PROMRCh = 1511 = 1000 0940 0990 1160 1670 ... 0800 0730 0780 0940 1380 = AR	CW	(Subilo)
<b>UM04</b>	16-11	0800	4735	Wed	VVVVV PROMRCh = 16 11 = 1000 0940 0990 1170 1680 ... 0800 0730 0780 0940 1380 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	17-11	0800	4735	Thu	VVVVV PROMRCh = 17 11 = 1000 0930 0990 1160 1680 ... 0800 0730 0780 0940 1380 = AR	CW	(Subilo)
<b>UM04</b>	18-11	0800	4735	Fri	VVVVV PROMRCh = 18 11 = 1000 0930 0980 1160 1670 ... 0800 0730 0770 0930 1380 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	19-11	0800	4735	Sat	VVV PROMRCh = 1911 = 1000 0890 0940 1120 1630 ... 0800 0710 0760 0920 1360 = AR	CW	(Subilo)
<b>UM04</b>	20-11	0800	4735	Sun	VVVVV PROMRCh = 2011 = 1000 0920 0970 1150 1670 ... 0800 0710 0760 0930 1370 AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	22-11	0800	4735	Tue	VVVVV PROMRCh = 2211 = 1000 0910 0970 1150 1660 ... 0800 0710 0760 0900 1350 = AR	CW	(Subilo)
<b>UM04</b>	23-11	0800	4735	Wed	VVV VVV PROMRCh = 23 11 = 1000 0900 0950 1120 1630 ... 0800 0700 0750 0910 0350 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	24-11	0800	4735	Thu	VVVVV PROMRCh = 24 11 = 1000 0890 0940 1110 1610 ... 0800 0690 0740 0900 1330 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	25-11	0800	4735	Fri	VVVVV PROMRCh = 25 11 = 1000 0870 0920 1100 1600 ... 0800 0690 0740 0890 1330 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	26-11	0800	4735	Sat	VVV VVV PROMRCh = 26 11 = 1000 0860 0920 1090 1590 ... 0800 0680 0720 0890 1320 = AR	CW	(Subilo)
<b>UM04</b>	27-11	0800	4735	Sun	VVVVV PROMRCh = 2711 = 1000 0860 0910 1080 1570 ... 0800 0670 0720 0880 1310 = AR	CW	(AB-HNG/Su-bilo)
<b>UM04</b>	28-11	0800	4735	Mon	VVVVV PROMRCh = 28 11 = 1000 0850 0900 1170 1570 ... 0800 0670 0720 0870 1300 = AR	CW	(AB-HNG/Su-bilo)



UM04	29-11	0807	4735	Tue	VVVVV PROMRCh = 29 11 = 1000 0840 0890 1070 1550 ... 0800 0660 0710 0870 1290 = AR. Late start	CW	(AB-HNG/Su-bilo)
UM04	30-11	0800	4735	Wed	VVV VVV = PROMRCh = 30 11 = 1000 0830 0880 1060 1540 ... 0800 0650 0700 0860 1280 = AR	CW	(AB-HNG/Su-bilo)
USA	3-11	0849	8058.6	Thu	KXV45: US embassy, Rome clg KWA43: US Consulate General Milan	Mil-STD-188-141A/USB	(AB)
USA	3-11	0902	8058.6	Thu	KXV45: US embassy, Rome clg KXV44: US Consulate General Naples	Mil-STD-188-141A/USB	(AB)
USA	3-11	0906	8058.6	Thu	KWT49: US Consulate General Amsterdam clg KWX90: US embassy Dublin	Mil-STD-188-141A/USB	(AB)
USA	3-11	0906	8058.6	Thu	KWX90: US embassy Dublin clg KWT49: US Consulate General Amsterdam	Mil-STD-188-141A/USB	(AB)
USA	3-11	0915	8058.6	Thu	KWY23: US Consulate General Belfast clg KWX90: US embassy Dublin	Mil-STD-188-141A/USB	(AB)
USA	3-11	0915	8058.6	Thu	KWX90: US embassy Dublin clg KWY23: US Consulate General Belfast	Mil-STD-188-141A/USB	(AB)
USA	3-11	0919	8058.6	Thu	KWX90: US embassy Dublin clg KWX91: US Consulate General Edinburgh	Mil-STD-188-141A/USB	(AB)
USA	3-11	0920	8058.6	Thu	KWX91: US Consulate General Edinburgh clg KWX90: US embassy Dublin	Mil-STD-188-141A/USB	(AB)
USA	3-11	0948	8058.6	Thu	KWX90: US embassy Dublin clg KWX93: US embassy Reykavik	Mil-STD-188-141A/USB	(AB)
USA	3-11	0959	8058.6	Thu	KWX90: US embassy Dublin clg KJB33: US Mission to NATO, Brussels	Mil-STD-188-141A/USB	(AB)
USA	4-11	1043	8058.6	Fri	KWB48: RIMC, Frankfurt clg KWA37 US Permanent Mission Geneva	Mil-STD-188-141A/USB	(AB)
USA	7-11	1429	8058.6	Mon	KWB48: RIMC, Frankfurt clg KWP95: unid DoS station	Mil-STD-188-141A/USB	(AB)
V07	6-11	0100	15946	Sun	984 984 984 1 418 106 418 106 95232 70060 45063 ... 96833 02200 06938 000 000	USB	(Dan/HFD-USA)
V07	6-11	0120	14846	Sun	984 984 984 1 418 106 418 106 95232 70060 45063 ... 96833 02200 06938 000 000	USB	(HFD-USA)
V07	6-11	0140	13486	Sun	984 984 984 1 418 106 418 106 95232 70060 45063 ... 96833 02200 06938 000 000	USB	(HFD-USA)
V07	13-11	0100	15946	Sun	984 984 984 1 7224 128 7224 128 80596 38171 69471 ... 69644 58969 18598 000 000	USB	(Dan)
V07	20-11	0100	15946	Sun	984 984 984 1 5851 126 5851 126 19578 61390 27208 ... 87135 56233 61732 000 000	USB	(Dan)
V07	27-11	0120	14846	Sun	984 984 984 1 839 104 839 104 29819 81350 71902 ... 13904 05969 05788 000 000	USB	(Dan)
V13	4-11	1200	13974	Fri	New Star Broadcasting	USB	(AB)
V13	4-11	1201	9276	Fri	New Star Broadcasting	USB	(AB)
V13	4-11	1300	11430	Fri	New Star Broadcasting	USB	(AB)
V13	4-11	1302	7688	Fri	New Star Broadcasting	USB	(AB)
V13	7-11	0300	11430	Mon	New Star Broadcasting Station 1. 7250, 70 digits 6101 1977 1031 ... 0223 3217 9260	USB	(Vlad)
V13	7-11	1200	13974	Mon	New Star Broadcasting	USB	(AB)
V13	7-11	1201	9276	Mon	New Star Broadcasting	USB	(AB)
V13	14-11	1200	13974	Mon	New Star Broadcasting	USB	(AB)
V13	18-11	1200	13974	Fri	New Start Broadcasting	USB	(AB-J)
V13	28-11	1300	11430	Mon	New Star Broadcasting	AM	(AB-TWN)
V28	21-11	1205	3049	Mon	Parrot, male voice, Korean numbers	AM	(Phil)
V28	21-11	1207	3000.3	Mon	Parrot, male voice, Korean numbers	AM	(Phil)
VC01	16-11	1737	6569	Wed	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	17-11	1713	6569	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	22-11	1936	6959	Tue	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	30-11	1515	6569	Wed	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
X06	1-11	0910	13411	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(Moon)
X06	1-11	0917	12157	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(Moon)
X06	1-11	0930	15687	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB)
X06	1-11	0940	20336	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(RO)

X06	1-11	0941	20336	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB)
X06	1-11	0942	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	1-11	0944	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB)
X06	1-11	1151	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	2-11	0930	17445	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(AB)
X06	3-11	0920	10837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
X06	3-11	0922	20837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB)
X06	3-11	0935	20627	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	6-11	0703	14595	Sun	MFA Moscow clg 452163: Russian embassy Kabul	MFSK-6	(RO)
X06	7-11	0804	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	7-11	0805	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB)
X06	7-11	0929	13395	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon)
X06	8-11	0757	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(RO)
X06	8-11	0817	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/RO)
X06	8-11	1006	13510	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(RO)
X06	8-11	1012	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(AB/RO)
X06	10-11	0819	14550	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(AB/RO)
X06	10-11	0950	16223	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB/RO)
X06	11-11	0935	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	13-11	1134	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	14-11	1238	13467	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(AB)
X06	15-11	0902	11462	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB/RO)
X06	15-11	0925	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/EW/RO)
X06	15-11	0933	20336	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB/RO)
X06	15-11	1147	18521	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	16-11	1103	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	17-11	1330	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB/RXR)
X06	18-11	1034	12194	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB/Moon)
X06	21-11	0802	11638	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB/Moon)
X06	21-11	0848	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/Moon)
X06	22-11	0759	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(RO)
X06	22-11	0815	16257	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/RO)
X06	22-11	1010	13510	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(AB/RO/Moon)
X06	22-11	1012	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO/Moon)
X06	23-11	0834	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/Moon)
X06	23-11	1417	5112	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(PY)
X06	25-11	0957	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	27-11	1109	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RXR)
X06	28-11	0827	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	28-11	0934	13517	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06b	16-11	0854	11560	Wed	166161	MFSK-6	(AB)
X06b	16-11	1203	10340	Wed	166161	MFSK-6	(AB)



<b>X06b</b>	20-11	1301	5112	Sun	111666 (before M42 test at 1550z)	MKSK-6	(PY)
<b>X06b</b>	20-11	1307	5112	Sun	111666 (before M42 test at 1550z)	MKSK-6	(PY)
<b>X06b</b>	23-11	1413	5112	Wed	111666 (before M42 test at 1500z), 1417z: 465132 (Russian embassy Sofia)	MKSK-6	(PY)
<b>X06b</b>	23-11	1413	5848	Wed	111666 (before M42 test at 1500z), also at 1417z	MKSK-6	(PY)
<b>X06b</b>	23-11	1414	6821	Wed	111666 (before M42 test at 1500z), also at 1418z	MKSK-6	(PY)
<b>X06b</b>	23-11	1415	7504	Wed	111666 (before M42 test at 1500z), also at 1418z	MKSK-6	(PY)
<b>X06b</b>	23-11	1415	8074	Wed	111666 (before M42 test at 1500z), also at 1419z	MKSK-6	(PY)
<b>X06b</b>	23-11	1416	8136	Wed	111666 (before M42 test at 1500z), also at 1420z	MKSK-6	(PY)
<b>X06d</b>	22-11	0943	9300	Tue	111111	CW	(RO)
<b>XPA1</b>	2-11	1310	13875	Wed	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	2-11	1330	13375	Wed	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	2-11	1350	10875	Wed	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	4-11	1310	13875	Fri	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	4-11	1330	13375	Fri	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	4-11	1350	10875	Fri	838 838 838 1 00951 00128 54639 ... 67558 74325 25271	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	9-11	1310	13875	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	9-11	1330	13375	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	9-11	1350	10875	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	11-11	1310	13875	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11-11	1330	13375	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11-11	1350	10875	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16-11	1238	10250	Wed	Callup, nothing else	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16-11	1310	13875	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576 Also heard on 10875 kHz USB and 17925 kHz LSB. Spurs??	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	16-11	1330	13375	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	16-11	1350	10875	Wed	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	18-11	1310	13875	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	18-11	1330	13375	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	18-11	1350	10875	Fri	838 838 838 1 00323 00108 85348 ... 59826 17111 63576	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	23-11	1310	13875	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	23-11	1330	13375	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	23-11	1350	10875	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-11	1310	13875	Fri	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-11	1330	13375	Fri	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-11	1350	10875	Fri	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-11	1310	13875	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-11	1330	13375	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-11	1350	10875	Wed	838 838 838 1 00129 00094 39036 ... 26451 45316 51577	MFSK-20/10Bd	(AB)
<b>XPA2</b>	1-11	0600	11162	Tue	Message	MFSK-16/20Bd	(HFD)
<b>XPA2</b>	1-11	0620	12162	Tue	Message	MFSK-16/20Bd	(HFD)
<b>XPA2</b>	1-11	0640	13962	Tue	Message	MFSK-16/20Bd	(HFD)
<b>XPA2</b>	1-11	1100	10653	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB/HFD)

XPA2	1-11	1120	9353	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1140	8153	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	1-11	1200	14783	Tue	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1220	13883	Tue	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1240	12183	Tue	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB/HFD)
XPA2	1-11	1600	10223	Tue	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	1-11	1620	9223	Tue	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	1-11	1640	8123	Tue	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	2-11	0800	11529	Wed	00965 00212 90163 ... 76967 44494 60653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0820	13429	Wed	00965 00212 90163 ... 76967 44494 60653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0840	13929	Wed	00965 00212 90163 ... 76967 44494 60653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0910	17413	Wed	03407 00001 00000 36653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0930	15852	Wed	03407 00001 00000 36653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	0950	13363	Wed	03407 00001 00000 36653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1100	13393	Wed	03784 00001 00000 36663	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1120	12193	Wed	03784 00001 00000 36663	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1140	11093	Wed	03784 00001 00000 36663	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1200	10968	Wed	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1220	12168	Wed	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/HFD)
XPA2	2-11	1240	13368	Wed	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/HFD)
XPA2	3-11	0600	11162	Thu	01157 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	3-11	0620	12162	Thu	01157 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	3-11	0640	13962	Thu	01157 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	3-11	0910	15985	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB/HFD)
XPA2	3-11	0930	14885	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB/HFD)
XPA2	3-11	0950	13885	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB/HFD)
XPA2	3-11	0950	13885	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	3-11	0950	13885	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	3-11	1100	13393	Thu	06370 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	3-11	1120	12193	Thu	06370 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	3-11	1140	11093	Thu	06370 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	3-11	1600	10223	Thu	05479 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	3-11	1620	9223	Thu	05479 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	3-11	1640	8123	Thu	05479 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	4-11	0900	16225	Fri	Message	MFSK-16/20Bd	(HFD-RUS)
XPA2	4-11	0920	17425	Fri	Message	MFSK-16/20Bd	(HFD-RUS)
XPA2	4-11	0940	19125	Fri	Message	MFSK-16/20Bd	(HFD-RUS)
XPA2	4-11	1100	10653	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	4-11	1120	9353	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	4-11	1140	8153	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	4-11	1200	10968	Fri	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-11	1220	12168	Fri	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/MPJ)

XPA2	4-11	1240	13368	Fri	00411 00208 88876 ... 05602 08955 47464	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-11	0910	15985	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	5-11	0930	14885	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	5-11	0950	13885	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	5-11	1600	8126	Sat	09691 00001 00000 34672	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-11	1620	6826	Sat	09691 00001 00000 34672	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-11	1640	5326	Sat	09691 00001 00000 34672	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	6-11	0900	16225	Sun	07024 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	6-11	0920	17425	Sun	07024 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	6-11	0940	19125	Sun	07024 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	6-11	1200	14783	Sun	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB)
XPA2	6-11	1220	13883	Sun	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB)
XPA2	6-11	1240	12183	Sun	00969 00166 59782 ... 72954 85482 06071	MFSK-16/20Bd	(AB)
XPA2	7-11	0800	11529	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	7-11	0820	13429	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	7-11	0840	13929	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	7-11	0910	17413	Mon	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	7-11	0930	15852	Mon	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	7-11	0950	13363	Mon	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	7-11	1600	8126	Mon	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-11	1620	6826	Mon	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-11	1640	5326	Mon	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-11	0600	11162	Tue	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	8-11	0620	12162	Tue	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	8-11	0640	13962	Tue	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	8-11	1100	10653	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	8-11	1120	9353	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	8-11	1140	8153	Tue	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	8-11	1200	14783	Tue	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	8-11	1220	13883	Tue	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	8-11	1240	12183	Tue	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	8-11	1600	10223	Tue	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	8-11	1620	9223	Tue	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	8-11	1640	8123	Tue	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	9-11	0910	17413	Wed	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	9-11	0930	15852	Wed	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	9-11	0950	13363	Wed	00428 00165 32865 ... 71667 93551 10300	MFSK-16/20Bd	(AB)
XPA2	9-11	1100	13393	Wed	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	9-11	1120	12193	Wed	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	9-11	1140	11093	Wed	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	9-11	1200	13968	Wed	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(PY)
XPA2	9-11	1220	15968	Wed	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(PY)

XPA2	9-11	1240	17468	Wed	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(PY)
XPA2	10-11	0600	11162	Thu	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	10-11	0620	12162	Thu	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	10-11	0640	13962	Thu	08047 00055 88749 ... 87753 71876 03756	MFSK-16/20Bd	(AB)
XPA2	10-11	0910	15985	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	10-11	0930	14885	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	10-11	0950	13885	Thu	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	10-11	1100	13393	Thu	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	10-11	1120	12193	Thu	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	10-11	1140	11093	Thu	00026 00189 14928 ... 36607 00094 44040	MFSK-16/20Bd	(AB)
XPA2	10-11	1600	10223	Thu	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	10-11	1620	9223	Thu	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	10-11	1640	8123	Thu	09937 00269 76656 ... 83419 37721 77634	MFSK-16/20Bd	(AB)
XPA2	11-11	0900	16225	Fri	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	11-11	0920	17425	Fri	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	11-11	0940	19125	Fri	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	11-11	1100	10653	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB)
XPA2	11-11	1120	9353	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	11-11	1140	8153	Fri	00960 00188 94411 ... 02892 87392 22252	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	11-11	1200	13968	Fri	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(AB)
XPA2	11-11	1220	15968	Fri	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(AB)
XPA2	11-11	1240	17468	Fri	00227 00246 17875 ... 03962 82297 60210	MFSK-16/20Bd	(AB)
XPA2	12-11	0910	15985	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	12-11	0930	14885	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	12-11	0950	13885	Sat	00419 00199 88676 ... 00031 23905 55434	MFSK-16/20Bd	(AB)
XPA2	12-11	1600	8126	Sat	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB)
XPA2	12-11	1620	6826	Sat	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB)
XPA2	12-11	1640	5326	Sat	09480 00276 95791 ... 76623 50100 55054	MFSK-16/20Bd	(AB)
XPA2	13-11	0900	16225	Sun	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	13-11	0920	17425	Sun	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	13-11	0940	19125	Sun	00279 00100 46541 ... 54343 96662 34200	MFSK-16/20Bd	(AB)
XPA2	13-11	1200	14783	Sun	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	13-11	1220	13883	Sun	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	13-11	1240	12183	Sun	06591 00228 72003 ... 31630 11506 43765	MFSK-16/20Bd	(AB)
XPA2	14-11	0800	11529	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	14-11	0820	13429	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	14-11	0840	13929	Mon	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	14-11	0910	17413	Mon	06131 00055 85868 ... 18546 04313 70166	MFSK-16/20Bd	(AB)
XPA2	14-11	0930	15852	Mon	Off during the callup	MFSK-16/20Bd	(AB)
XPA2	14-11	0950	13363	Mon	06131 00055 85868 ... 18546 04313 70166	MFSK-16/20Bd	(AB/RL)
XPA2	14-11	1600	8126	Mon	08753 00001 00000 36265	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-11	1620	6826	Mon	08753 00001 00000 36265	MFSK-16/20Bd	(AB/MPJ)

XPA2	14-11	1640	5326	Mon	08753 00001 00000 36265	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-11	0600	11162	Tue	06926 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	15-11	0620	12162	Tue	06926 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	15-11	0640	13962	Tue	06926 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	15-11	1100	10653	Tue	06917 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	15-11	1120	9353	Tue	06917 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	15-11	1140	8153	Tue	06917 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	15-11	1200	14783	Tue	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB)
XPA2	15-11	1220	13883	Tue	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB)
XPA2	15-11	1240	12183	Tue	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB)
XPA2	15-11	1600	10223	Tue	04416 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	15-11	1620	9223	Tue	04416 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	15-11	1640	8123	Tue	04416 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	16-11	0800	11529	Wed	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	16-11	0820	13429	Wed	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	16-11	0840	13929	Wed	08265 00106 39881 ... 60158 50720 15301	MFSK-16/20Bd	(AB)
XPA2	16-11	0910	17413	Wed	06131 00055 85868 ... 18546 04313 70166	MFSK-16/20Bd	(AB)
XPA2	16-11	0930	15852	Wed	06131 00055 85868 ... 18546 04313 70166	MFSK-16/20Bd	(AB)
XPA2	16-11	0950	13363	Wed	06131 00055 85868 ... 18546 04313 70166	MFSK-16/20Bd	(AB)
XPA2	16-11	1100	13393	Wed	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB)
XPA2	16-11	1120	12193	Wed	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB)
XPA2	16-11	1140	11093	Wed	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB)
XPA2	16-11	1200	13968	Wed	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	16-11	1220	15968	Wed	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	16-11	1240	17468	Wed	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	17-11	0600	11162	Thu	01210 00001 0000 22543	MFSK-16/20Bd	(AB)
XPA2	17-11	0620	12162	Thu	01210 00001 0000 22543	MFSK-16/20Bd	(AB)
XPA2	17-11	0640	13962	Thu	01210 00001 0000 22543	MFSK-16/20Bd	(AB)
XPA2	17-11	0910	15985	Thu	06951 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-11	0930	14885	Thu	06951 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-11	0950	13885	Thu	06951 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	17-11	1100	13393	Thu	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-11	1120	12193	Thu	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-11	1140	11093	Thu	00137 00189 14928 ... 37607 00094 54040	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-11	1600	10223	Thu	03534 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	17-11	1620	9223	Thu	03534 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	17-11	1640	8123	Thu	03534 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	18-11	0900	16225	Fri	01798 00001 00000 40662	MFSK-16/20Bd	(AB)
XPA2	18-11	0920	17425	Fri	01798 00001 00000 40662	MFSK-16/20Bd	(AB)
XPA2	18-11	0940	19125	Fri	01798 00001 00000 40662	MFSK-16/20Bd	(AB)
XPA2	18-11	1100	10653	Fri	06134 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	18-11	1120	9353	Fri	06134 00001 00000 33661	MFSK-16/20Bd	(AB)



XPA2	18-11	1140	8153	Fri	06134 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	18-11	1200	13968	Fri	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	18-11	1220	15968	Fri	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	18-11	1240	17468	Fri	07602 00218 77872 ... 44970 85841 74565	MFSK-16/20Bd	(AB)
XPA2	19-11	0910	15985	Sat	08655 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	19-11	0930	14885	Sat	08655 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	19-11	0950	13885	Sat	08655 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	19-11	1600	8126	Sat	02957 00001 00000 41257	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-11	1620	6826	Sat	02957 00001 00000 41257	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-11	1640	5326	Sat	02957 00001 00000 41257	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-11	0900	16225	Sun	03785 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	20-11	0920	17425	Sun	03785 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	20-11	0940	19125	Sun	03785 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	20-11	1200	14783	Sun	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-11	1220	13883	Sun	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-11	1240	12183	Sun	00448 00164 59838 ... 52067 30209 64750	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-11	0800	11529	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
XPA2	21-11	0820	13429	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
XPA2	21-11	0840	13929	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
XPA2	21-11	0910	17413	Mon	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
XPA2	21-11	0930	15852	Mon	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
XPA2	21-11	0950	13363	Mon	Off after 1m30s.	MFSK-16/20Bd	(AB)
XPA2	21-11	1600	8126	Mon	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-11	1620	6826	Mon	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-11	1640	5326	Mon	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-11	0600	11162	Tue	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	22-11	0620	12162	Tue	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	22-11	0640	13962	Tue	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	22-11	0901	10256	Tue	Inverted callup tones, strange short contents 3646664646464646468999999999211, audio stutters at the end	MFSK-16/20Bd	(PY)
XPA2	22-11	0912	10256	Tue	Audio glitch at 1m in callup, short contents 40256 51968 15978 46891, audio stutters at the end	MFSK-16/20Bd	(PY)
XPA2	22-11	1037	10256	Tue	1000Hz tone, 10s callup. Null messag: 08311 00001 00000 10040, audio stutters at the end	MFSK-16/20Bd	(T101)
XPA2	22-11	1100	10653	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-11	1120	9353	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-11	1140	8153	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-11	1200	14783	Tue	04364 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	22-11	1220	13883	Tue	04364 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	22-11	1240	12183	Tue	04364 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	22-11	1600	10223	Tue	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	22-11	1620	9223	Tue	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	22-11	1640	8123	Tue	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	23-11	0800	11529	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)

XPA2	23-11	0820	13429	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
XPA2	23-11	0840	13929	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
XPA2	23-11	0910	17413	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
XPA2	23-11	0930	15852	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
XPA2	23-11	0950	13363	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
XPA2	23-11	1100	13393	Wed	07117 00001 00000 35260	MFSK-16/20Bd	(AB/RL)
XPA2	23-11	1120	12193	Wed	07117 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	23-11	1140	11093	Wed	07117 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	23-11	1200	13968	Wed	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	23-11	1220	15968	Wed	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	23-11	1240	17468	Wed	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	24-11	0600	11162	Thu	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	24-11	0620	12162	Thu	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	24-11	0640	13962	Thu	00452 00090 81665 ... 43016 68351 41026	MFSK-16/20Bd	(AB)
XPA2	24-11	0910	15985	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	24-11	0930	14885	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	24-11	0950	13885	Thu	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	24-11	1100	13393	Thu	02466 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-11	1120	12193	Thu	02466 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-11	1140	11093	Thu	02466 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-11	1600	10223	Thu	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	24-11	1620	9223	Thu	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	24-11	1640	8123	Thu	00145 00213 83578 ... 41114 64415 36574	MFSK-16/20Bd	(AB)
XPA2	25-11	0900	16225	Fri	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	25-11	0920	17425	Fri	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	25-11	0940	19125	Fri	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	25-11	1100	10653	Fri	Off after 30 secs	MFSK-16/20Bd	(AB)
XPA2	25-11	1120	9353	Fri	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB)
XPA2	25-11	1140	8153	Fri	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB)
XPA2	25-11	1200	13968	Fri	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	25-11	1220	15968	Fri	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	25-11	1240	17468	Fri	00169 00222 15359 ... 02677 29899 03745	MFSK-16/20Bd	(AB)
XPA2	26-11	0910	15985	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	26-11	0930	14885	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	26-11	0950	13885	Sat	08649 00165 53829 ... 84855 47934 15706	MFSK-16/20Bd	(AB)
XPA2	26-11	1600	8126	Sat	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB)
XPA2	26-11	1620	6826	Sat	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB)
XPA2	26-11	1640	5326	Sat	00194 00199 68906 ... 16612 91909 45557	MFSK-16/20Bd	(AB)
XPA2	27-11	0900	16225	Sun	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	27-11	0920	17425	Sun	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	27-11	0940	19125	Sun	00344 00081 22063... 41895 42297 02275	MFSK-16/20Bd	(AB)
XPA2	27-11	1200	14783	Sun	06896 00001 00000 40267	MFSK-16/20Bd	(AB/MPJ)

<b>XPA2</b>	27-11	1220	13883	Sun	06896 00001 00000 40267	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	27-11	1240	12183	Sun	06896 00001 00000 40267	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	28-11	0800	11529	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	0820	13429	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	0840	13929	Mon	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	0910	17413	Mon	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	0930	15852	Mon	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	0950	13363	Mon	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	1600	8126	Mon	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	1620	6826	Mon	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB)
<b>XPA2</b>	28-11	1640	5326	Mon	00260 00237 89095 ... 11723 65297 41047	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	0600	11162	Tue	06363 00001 00000 34264	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	0620	12162	Tue	06363 00001 00000 34264	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	0640	13962	Tue	06363 00001 00000 34264	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	1100	10653	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	29-11	1120	9353	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	29-11	1140	8153	Tue	05827 00165 99976 ... 02737 89653 76327	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	29-11	1200	14783	Tue	08319 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	1220	13883	Tue	08319 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	1240	12183	Tue	08319 00262 53630 ... 61384 33837 75270	MFSK-16/20Bd	(AB)
<b>XPA2</b>	29-11	1600	10223	Tue	02007 00001 00000 34652	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	29-11	1620	9223	Tue	02007 00001 00000 34652	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	29-11	1640	8123	Tue	02007 00001 00000 34652	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	30-11	0800	11529	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	0820	13429	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	0840	13929	Wed	00338 00126 85308 ... 32378 73776 72377	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	0910	17413	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	0930	15852	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	0950	13363	Wed	00208 00100 13897 ... 67129 48997 75002	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1100	13393	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1120	12193	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1140	11093	Wed	01940 00195 88992 ... 35888 39170 61122	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1200	13968	Wed	00324 00178 31669 ... 91121 91657 63660	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1220	15968	Wed	00324 00178 31669 ... 91121 91657 63660	MFSK-16/20Bd	(AB)
<b>XPA2</b>	30-11	1240	17468	Wed	00324 00178 31669 ... 91121 91657 63660	MFSK-16/20Bd	(AB)
<b>XPB</b>	16-11	1136	11431	Wed	cut off at 7s	MFSK-16/16Bd	(PY)
<b>XPB</b>	16-11	1140	11431	Wed	cut off at 28s, restart, 3m41s message	MFSK-16/16Bd	(PY)
<b>XPB</b>	16-11	1156	11431	Wed	Message (3m41s)	MFSK-16/16Bd	(PY)
<b>XPB</b>	16-11	1219	11431	Wed	cut off at 19s	MFSK-16/16Bd	(PY)
<b>XPB</b>	17-11	0850	9142	Thu	Message	MFSK-16/66Bd	(PY)
<b>XPB</b>	17-11	0855	10256	Thu	Message	MFSK-16/66Bd	(PY)
<b>XPB</b>	17-11	0900	11431	Thu	Message	MFSK-16/66Bd	(PY)



<b>XPB</b>	22-11	1204	10256	Tue	cut off at 9s	MFSK-16/16Bd	(PY)
<b>XPB</b>	22-11	1205	10256	Tue	message (3m40s, audio stutter at the end)	MFSK-16/16Bd	(PY)
<b>XPB1</b>	1-11	0600	13446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	0610	14446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	0620	14946	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	0630	15846	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	0640	16146	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	0650	17446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	1-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	2000	7876	Tue	Russian intel.	MFSK-16	(AB/RL/HFD)
<b>XPB1</b>	1-11	2010	7576	Tue	Russian intel.	MFSK-16	(AB/RL/HFD)
<b>XPB1</b>	1-11	2020	6876	Tue	Russian intel.	MFSK-16	(AB/RL/HFD)
<b>XPB1</b>	1-11	2030	5876	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	2040	5376	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	1-11	2050	4476	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	2-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	4-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5-11	1100	13894	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1110	13394	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1120	12194	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1130	11494	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1140	11094	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1150	10494	Sat	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	5-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2000	7876	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2010	7576	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2020	6876	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2030	5876	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2040	5376	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6-11	2050	4476	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	0600	13446	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	0610	14446	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	0620	14946	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	0630	15846	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	0640	16146	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	0650	17446	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	7-11	1100	13894	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	1110	13394	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	1120	12194	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	1130	11494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	1140	11094	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7-11	1150	10494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0600	13446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0610	14446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0620	14946	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0630	15846	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0640	16146	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	0650	17446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2000	7876	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2010	7576	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2020	6876	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2030	5876	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2040	5376	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8-11	2050	4476	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	9-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1100	13894	Sat	Russian intel.	MFSK-16	(AB/MPJ/RL)
<b>XPB1</b>	12-11	1110	13394	Sat	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	12-11	1120	12194	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1130	11494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1140	11094	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1150	10494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0600	13446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0610	14446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0620	14946	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0630	15846	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0640	16146	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	0650	17446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	1100	13894	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	1110	13394	Mon	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	14-11	1120	12194	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	1130	11494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	1140	11094	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14-11	1150	10494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0600	13446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0610	14446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0620	14946	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0630	15846	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0640	16146	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	0650	17446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	15-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-11	1500	9142	Tue	Russian intel (3m40s)	MFSK-16/16Bd	(PY)
<b>XPB1</b>	16-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1100	13894	Sat	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	19-11	1110	13394	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1120	12194	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1130	11494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1140	11094	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1150	10494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	19-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	21-11	0600	13446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	0610	14446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	0620	14946	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	0630	15846	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	0640	16146	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	0650	17446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1100	13894	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1110	13394	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1120	12194	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1130	11494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1140	11094	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-11	1150	10494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	0600	13446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	0610	14446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	0620	14946	Tue	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	22-11	0630	15846	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	0640	16146	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	0650	17446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	22-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	23-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	23-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	23-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	23-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	23-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	23-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1300	20021	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1310	19521	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1320	18421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1330	17421	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1340	16321	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	25-11	1350	15921	Fri	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1100	13894	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1110	13394	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1120	12194	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1130	11494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1140	11094	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1150	10494	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1200	16353	Sat	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	26-11	1210	15953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1220	14953	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1230	13453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1240	12153	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	26-11	1250	11453	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0600	13446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0610	14446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0620	14946	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0630	15846	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0640	16146	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	0650	17446	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	1100	13894	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	1110	13394	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	1120	12194	Mon	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	28-11	1130	11494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	1140	11094	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	28-11	1150	10494	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0600	13446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0610	14446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0620	14946	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0630	15846	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0640	16146	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	0650	17446	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	1300	20021	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	29-11	1310	19521	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	1320	18421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	1330	17421	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	1340	16321	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	29-11	1350	15921	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1200	16353	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1210	15953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1220	14953	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1230	13453	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1240	12153	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-11	1250	11453	Wed	Russian intel.	MFSK-16	(AB)
<b>XSL</b>	17-11	1708	4231.5	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	4291	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	6250	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	6417	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	6445	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	8313	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-11	1708	8587.5	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AUT	Ary Boender via remote rx Austria
AB-BLR	Ary Boender via remote rx Belarus
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-TWN	Ary Boender via remote rx Taiwan
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
Dan	Daniel LU5EMM, Argentina
DF5JL	Tom, Germany
EW	Eddy Waters, Australia
F5OIH	Vincent Lecler, France
GR	Gary Russell, USA
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
IkL-HOL	Ilja Klepko via remote rx Netherlands
JPL	JPL, NB, Canada (and various remote rx)
linkz	Linkz, S.E. France
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-HNG	Jim via remote rx Hungary
MPJ-POL	Jim via remote rx Poland
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
Rla	Richard Lacroix, CAN
RO	Rando One, Sweden
RR2	Rich Ray, IL, USA
RXR	Romeo X-Ray 39
Subilo	Subilo
T101	RadiotekhnikaT101 via Priyom
Time	Time Machine
Vlad	Vladdi
VSh	V. Shortwaver



## APPENDIX: S25 archive

Shortwaver sent us a list of S25 transmissions that he compiled. Additions are welcome.

1995.01.17 0820z 14890AM --- 615 48613 40637  
1995.01.17 0820z 11270AM --- 615 47857 42677  
1995.04.04 0800z 14890AM --- 615 01692 07912  
1995.04.04 0820z 11270AM --- 615 02282 06802  
1996.05.17 0800z 14890AM --- 615 29969 23239  
1996.05.17 0820z 11270AM --- 615 24449 22139  
1997.02.02 0800z 14890AM --- 615 ?????? ??????  
1997.03.31 0820z 11270AM --- 615 84703 ??????  
1997.04.19 0800z 14890AM --- 615 87500 80350  
1997.04.19 0820z 11270AM --- 615 86710 83110  
1997.08.17 0800z 14890AM --- 615 93925 95815  
1997.08.17 0820z 11270AM --- 615 97845 91755  
1997.10.28 0820z 14890AM --- 615 ?????? ??????  
1997.10.29 0810z 14890AM --- 615 ?????? ??????  
1997.11.09 0820z 11270AM --- 615 ?????? ??????  
1997.12.19 0830z 11270AM --- 615 99235 ??????  
1997.12.23 0800z 14890AM --- 615 ?????? ??????  
1998.01.05 0830z 11270AM --- 615 ?????? ??????  
1998.01.21 0800z 14890AM --- 615 ?????? ??????  
1998.02.01 0810z 14890AM --- 615 ?????? ??????  
1998.02.02 0810z 14890AM --- 615 ?????? ??????  
1998.02.02 0820z 11270AM --- 615 ?????? ??????  
1998.02.08 0800z 14890AM --- 615 ?????? ??????  
1998.03.02 0800z 14890AM --- 615 ?????? ??????  
1998.03.18 0810z 14890AM --- 615 ?????? ??????  
1998.04.01 0820z 11270AM --- 615 81433 ??????  
1998.04.02 0800z 14890AM --- 615 01568 ??????  
1998.04.02 0830z 11270AM --- 615 09648 ??????  
1998.04.03 0810z 14890AM --- 615 85510 ??????  
1998.04.03 0830z 11270AM --- 615 ?????? 80770  
1998.04.08 0810z 14890AM --- 615 ?????? 26359  
1998.06.22 0820z 11270AM --- 615 01738 08328  
1998.07.24 0820z 11270AM --- 615 ?????? ??????  
1998.08.17 0800z 14890AM --- 615 ?????? ??????  
1998.08.24 0820z 11270AM --- 615 ?????? ??????  
1998.09.14 0830z 11270AM --- 615 ?????? 43785  
1998.10.12 0800z 14890AM --- 615 65861 ??????  
1998.10.19 0800z 14890AM --- 615 67566 69436  
1998.11.23 0810z 14890AM --- 615 77344 ??????  
1998.11.23 0840z 11270AM --- 615 71024 ??????  
1998.11.30 0800z 14890AM --- 615 94505 99125  
1998.12.07 0820z 11270AM --- 615 80530 83950  
1999.01.04 0800z 14890AM --- 615 85760 ??????  
1999.01.04 0830z 11270AM --- 615 ?????? 83040  
1999.01.18 0800z 14890AM --- 615 ?????? 66541  
1999.01.18 0830z 11270AM --- 615 60221 ??????  
1999.02.22 0800z 14890AM --- 615 23849 25199  
1999.02.22 0820z 11270AM --- 615 21079 29979  
1999.03.08 0800z 14890AM --- 615 03478 02678  
1999.03.08 0820z 11270AM --- 615 00818 07678  
1999.03.15 0800z 14890AM --- 615 06092 05712  
1999.03.22 0800z 14890AM --- 615 77404 75694  
1999.03.22 0820z 11270AM --- 615 73934 71124  
1999.04.05 0800z 14890AM --- 615 64771 60271  
1999.04.05 0820z 11273AM --- 615 66236 6?????  
1999.04.12 0800z 14890AM --- 615 68416 67926  
1999.04.12 0820z 11270AM --- 615 ?????? ??????  
1999.05.17 0800z 14890AM --- 615 77434 76754



1999.05.17 0820z 11270AM --- 615 74754 71744  
(Last transmission of 615 schedule and S25c format, 2nd Chechen War starts 3 months later.)

(Start of random transmission.)

2003.08.24 0755z 7651USB --- 437 72457  
2004.09.24 1540z 8025USB --- 245 67765 54865 22222

(637 schedule discovered.)

2004.10.07 0800z 11115USB --- 637 58124 59604  
2004.10.11 0800z 11115USB --- 637 34392 36912  
2004.10.26 0800z 11115USB --- 637 38312 22222 37052  
2004.11.02 0800z 11115USB --- 637 30852 44444 37062 44444 31572  
2004.12.07 0900z 11115USB --- 637 30752 22222 31362  
2004.12.09 0900z 11115USB --- 637 53924 58204 22222 50764 22222 57824  
2006.12.14 0900z 11115USB --- 637 58154  
(Last transmission of 637 schedule.)

2007.08.29 1720z 8053USB --- 005 62428  
2011.03.01 0735z 7331USB --- 544 12418 (One of the E2K logger mistaken this as S06 variant)  
2012.11.12 1350z 3715USB --- 226 61257 44444 61977

(Russia invaded Crimea and backed the Donbass seperatists.)

2014.05.29 0705z 13415USB --- 049 ????? 65912  
2014.05.29 1450z 13915USB --- 049 65562 64202  
2014.05.29 1500z 11520USB --- 049 67292 51612  
2014.06.25 1700z 14857USB --- 023 32972

(104 schedule discovered.)

2014.07.01 0230z 13883USB --- 104 27234 44444 25144  
2017.05.30 0230z 13883USB --- 104 23384  
2017.06.01 0230z 13883USB --- 104 23384  
2017.06.06 0230z 13883USB --- 104 23934 44444 24644  
2017.06.08 0230z 13883USB --- 104 23864 44444 25254 44444 24664  
2017.06.13 0230z 13883USB --- 104 25284 44444 23944  
2017.06.15 0230z 13883USB --- 104 24734 44444 25334  
2017.06.20 0230z 13883USB --- 104 23934 44444 21144  
2017.06.22 0230z 13883USB --- 104 23944  
2017.06.27 0230z 13883USB --- 104 23954 44444 21154 44444 23384 44444 22664  
2017.07.06 0230z 13883USB --- 104 23954  
2017.07.11 0230z 13883USB --- 104 23934 44444 23384  
2017.07.13 0230z 13383USB --- 104 23964 44444 23674  
2017.07.18 0230z 13883USB --- 104 23974  
2017.07.20 0230z 13883USB --- 104 23944  
2017.08.01 0230z 13383USB --- 104 23994  
2017.08.03 0230z 13383USB --- 104 23964 44444 23314  
2017.08.08 0230z 13383USB --- 104 23384  
2017.08.10 0230z 13383USB --- 104 23394  
2017.08.15 0230z 13383USB --- 104 23434  
2017.08.17 0230z 13383USB --- 104 23454  
2017.08.22 0230z 13383USB --- 104 23464 44444 23744 44444 22444  
2017.08.24 0230z 13383USB --- 104 23434  
2017.10.02 0230z 13883USB --- 104 22394 44444 23664  
2017.10.26 0230z 13883USB --- 104 22304 44444 21234 44444 23384 44444 23504  
2017.12.28 0230z 13383USB --- 104 21104 44444 23314 44444 20544

(Last transmission of 104 schedule, S25a and S25b format.)

2019.03.05 1315z 10323USB --- 188 15924 13464

2019.03.05 1325z 13394USB --- 188 ????? ?????  
2019.03.05 1620z 12216USB --- 220 05831 92811  
2019.03.05 1630z 9984USB --- 220 94781 90841  
2019.05.15 0620z 13427USB --- 216 09085 01195

(Tensions rise with Russia and Ukraine in March.)

2021.04.23 0830z 5783USB --- ??? 26202 11111 55555 21376 20172 26797 25845 24765  
2021.09.16 1250z 5783USB --- 279 14149 13289  
2021.09.22 1050z 16341USB --- 031 64424 69484

(Invasion of Ukraine.)

2022.03.23 1220z 12203USB --- 783 56361 61651 55555 50544 59541 57208 68346 60444  
2022.08.15 0810z 18697USB --- 66753  
2022.08.15 0820z 18697USB --- 753 45596  
2022.09.09 0907z 18697USB --- 66753  
2022.09.09 0920z 18697USB --- 753 42236 44596  
2022.09.14 1035z 18193USB --- 038 84113 72023

Unknown data 1 --- 615 98038 94051

Unknown data 2 --- 615 03488 09178

627 schedule follows CST.

Modern S25 use Windows XP.

One of (or only) S25 TX site is in Chita.

Special thanks to RadioTehnika101 for other logs.

Special thanks to Kalvados for more 104 schedule logs.

Thanks to N&O, Priyom and E2K groups for all the data.

New addition:

**10175 kHz, 23-11, 1226 UTC**

11111 11111 00000 00000

11111 11111 00000 00000

11111 11111 00000 00000

11111 11111 00000 00000

## APPENDIX: Designators

### Designators of active stations

#### Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

#### Voice stations

Code	Language	Origin	Related stations
<b>E06</b>	English	Russia	G06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
<b>E07</b>	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
<b>E07a</b>	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
<b>E11</b>	English	Poland	E11a, S11a, F03, P03
<b>E11a</b>	English	Poland	E11, S11a, F03, P03
<b>E17z</b>	English	Ukraine	S06s
<b>E25</b>	English	Egypt	E25a
<b>E25a</b>	English	Egypt	E25
<b>G06</b>	German	Russia	E06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
<b>G06b</b>	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
<b>S06</b>	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
<b>S06b</b>	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
<b>S06c</b>	Russian	Russian	E06, G06, G06b, S06, S06b, M14, F01, F06, F06a
<b>S06s</b>	Russian	Ukraine	E17z
<b>S11a</b>	Russian	Poland	E11, E11a, F03, P03
<b>S25</b>	Russian	Russia	
<b>V07</b>	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
<b>V13</b>	Mandarin	Taiwan	
<b>V15</b>	Korean	North Korea	
<b>V24</b>	Korean	South Korea	
<b>V26</b>	Chinese	China	M95, Q26
<b>V28</b>	Korean	North Korea	
<b>VC01</b>	Chinese	China	VC03, MC03
<b>VC03</b>	Chinese	China	VC01, MC03

### Morse stations

Code	Mode	Origin	Related stations
<b>M01</b>	Morse	Russia	M01a
<b>M01a</b>	Morse	Russia	M01
<b>M12</b>	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
<b>M14</b>	Morse	Russia	E06, G06, G06b, S06, S06b, S06c, F01, F06, F06a
<b>M21</b>	Morse	Russia	M41
<b>M22</b>	Morse	Israel	
<b>M23</b>	Morse	France	
<b>M41</b>	Morse	Russia	M21
<b>M51a</b>	Morse	France	M51b
<b>M51b</b>	Morse	France	M51a
<b>M89</b>	Morse	China	
<b>M95</b>	Morse	China	V26, Q26
<b>MC03</b>	Morse	China	VC01, VC03
<b>UM03</b>	Morse	China	
<b>UM04</b>	Morse	Bulgaria	PROMRÖ daily schedule
<b>UM10</b>	Morse	?	

### Digital stations

Code	Mode	Origin	Related stations
<b>F01</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
<b>F02</b>	MFSK-4/150Bd/4000Hz	Russia	
<b>F03</b>	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
<b>F06</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
<b>F06a</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
<b>HM01</b>	Voice + RDFT or WinDRM	Cuba	
<b>M42</b>	Various	Russia	
<b>P03</b>	BPSK, QPSK	Poland	E11, E11a, S11a, F03
<b>Q26</b>	4+4 QPSK	China	V26, M95
<b>SK01</b>	Various	Cuba	
<b>X06</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06a</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06b</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06c</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06d</b>	CW	Russia	X06a, X06b, X06c, X06d
<b>XPA</b>	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
<b>XPA2</b>	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
<b>XPB1</b>	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

### Figures and words used by the various numbers stations

#### Cut numbers

Chinese cut numbers  
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itmien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	.....	Năm	Fav	Pietiorika	Funuf	Fiver
6	— ....	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba   y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	— . . . .					

#### Morse characters

A	. -	1	. - - - -	Full stop (period)	[ . ]	. - . - . -
B	- . . .	2	.. - - -	Comma	[ , ]	- - . . - -
C	- . - .	3	... - -	Colon	[ : ]	- - - . . .
D	- . .	4	.... -	Question mark	[ ? ]	.. - - . .
E	.	5	.....	Exclamation mark	[ ! ]	- . - . - -
F	.. - .	6	- ....	Apostrophe	[ ' ]	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[ - ]	- . . . . -
H	....	8	- - - . .	Slash	[ / ]	- . . - .
I	..	9	- - - . .	Left-hand bracket	[ ( ]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[ ) ]	- . - - . -
K	- . -			Quotation marks	[ " " ]	. - . . . .
L	. - . .			Equals sign	[ BT = ]	- . . . -
M	- -	Accented letters		Understood		... - .
N	- .	Ä	. - . -	Plus sign	[ + ]	. - . - .
O	- - -	Á	. - - . -	Invitation to transmit		- . -
P	. - . .	CH	- - - -	Wait	[ AS ]	. - . . .
Q	- - . -	É	.. - . .	End of Transmission	[ SK, VA ]	... - . -
R	. - .	Ö	- - - .	End of message	[ AR ]	. - . - .
S	...	Ü	.. - -	Starting signal		- . . - .
T	-			Multiplication sign	[ × ]	- . . -
U	.. -			At sign	[ @ ]	. - - . - .
V	... -			Break	[ BK ]	- . . . - . -
W	. - -			Ampersand	[ & ]	. - . . .
X	- . . -					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

## E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

### FSK transmissions

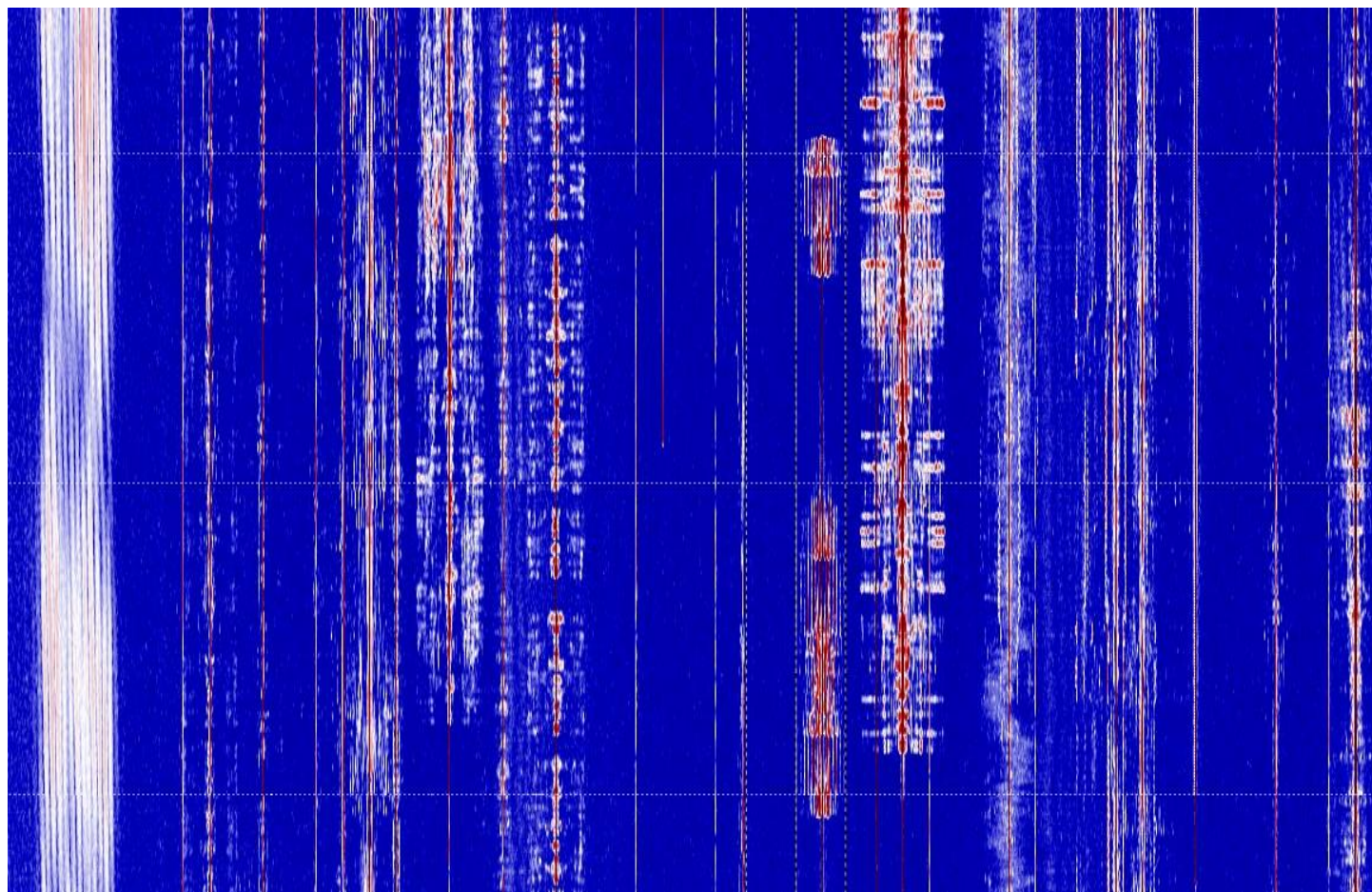
F03	Undefined FSK
F03a	FSK-2 100Bd/200Hz/cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

### PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

### Notes:

- Bit Period is the time needed to transmit one bit
- N&O uses designator POL for Polish digital modes without a designator
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c



## COLOPHON

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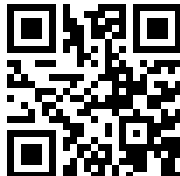
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SPY NUMBERS ONLINE DATABASE	<a href="http://www.spynumbers.com/numbersDB">http://www.spynumbers.com/numbersDB</a>
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HF UNDERGROUND	<a href="http://www.hfunderground.com/board/">http://www.hfunderground.com/board/</a>
PRIYOM	<a href="http://priyom.org/">http://priyom.org/</a>
ENIGMA	<a href="http://www.signalshed.com/">http://www.signalshed.com/</a>
NUMBERS STATIONS SCHEDULES	<a href="http://priyom.org/number-stations/station-schedule">http://priyom.org/number-stations/station-schedule</a>

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976 27364 92886 89428 61288 74982 36498 32764 81276 81  
986 40932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 70  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 1  
7591 87364 87265 96718 27638 12673 84769 28743 98127 5  
758 63298 75698 27465 87326 49876 28376 81273 98615 86  
667 87432 74328 78674 29867 32867 67867 86786 43276 486  
657 68768 68763 34234 34238 68768 62342 48273 48768 230  
736 98432 32432 86743 43286 43286 43286 43286 43286 432  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
751 86743 86743 86743 86743 86743 86743 86743 86743 86  
753 98798 98754 98754 98754 98754 29867 67543 67986 86  
756 87698 69876 87698 69876 87612 12341 34867 86798 652  
667 43298 65656 56756 56123 32143 14321 32143 14321 321  
66 32787 58765 76587 58765 76587 58765 76587 58756 765

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