

27364	92836	89428	81268	74982	46498	32784	31277
40932	70987	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	43286
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	58765	58765	58765	58765	58765	58765

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #299, August 2022

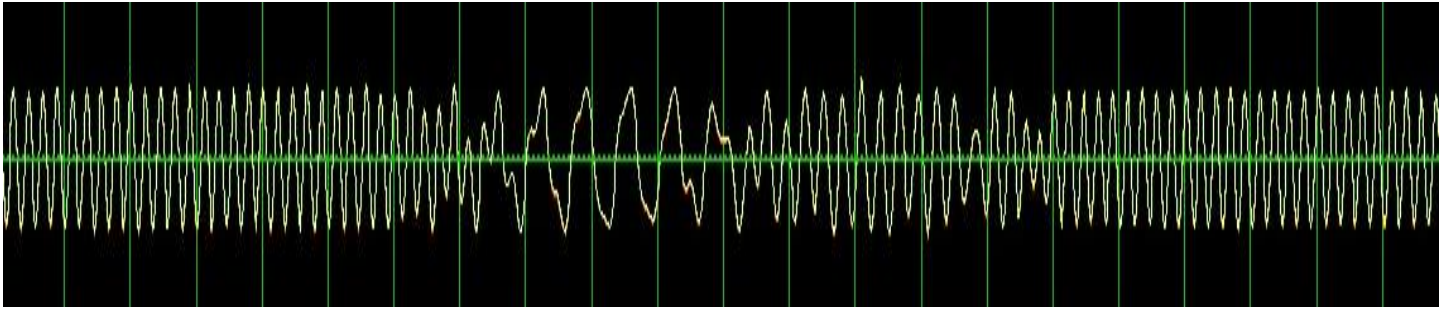
Editor: Ary Boender email: udxf@udxf.nl
 Numbers & Oddities <http://www.numbersoddities.nl>

"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

Hi and welcome to the 299th edition of Numbers & Oddities.

We have quite some diplomatic logs this month, some interesting digital modes and the usual numbers stations logs and transcripts. Also several clandestine and radio war logs. Due to the Russian invasion still no S06s and E17z transmissions from Ukraine.

Thanks to the contributors! A note to the silent readers: please send us your logs and station info.

Last month I wrote that I seriously consider to discontinue N&O in the near future. Only two out of ca 9000 readers reacted. That makes it easier for me. I have several monitoring projects but most of my time goes to numbers stations. This will probably change in the next few months. Less time for numbers stations, more time for the other projects. If N&O will survive or how it will look like if it survives, I don't know. Time will tell.

Enjoy!

VOICE STATIONS

E06

13540/16115 kHz, 04-08/05-08, 0500/0600 UTC

210 987 53
02173 49527 19509 39820 24117 27925 26660 09269 44244 40147
06541 06717 42713 93602 04277 72205 76748 09549 76812 18747
27902 53136 11896 70021 14250 88168 70603 16739 90977 73746
39336 20369 87773 45002 02224 18921 56477 45099 69879 14462
27423 00687 25441 47064 97913 58010 73826 84857 01249 21837
05163 84889 29775
987 53 00000

13540/16115 kHz, 18-08/19-08, 0500/0600 UTC

210 849 53
79677 71789 71838 68217 31585 83855 67757 89403 80193 31451
21749 05717 25099 30394 77127 28807 85887 32798 40341 95280
42443 97333 76006 59541 98390 75206 80558 80789 09875 22800
89203 76539 46857 76908 95859 41065 79122 53517 90773 52231
04174 56042 45496 15140 59219 03991 99919 16032 84418 17961
31037 84875 29592
849 53 00000

Group Cycle network

11472/13584 kHz, 01-08, 0210/0310 UTC

11472/13584 kHz, 02-08, 0210/0310 UTC

537 602 43
72014 50881 54378 65446 52607 91976 53917 50547 00581 71417
85235 58867 06589 52325 88138 85411 00526 33453 77848 88585
60912 14900 67331 70604 60715 45954 00281 11132 79283 03511
36919 65076 35080 74481 59835 60484 18900 40657 92013 57471
32271 89438 44267
602 43 00000

11472/13584 kHz, 08-08, 0210/0310 UTC

11472/13584 kHz, 09-08, 0210/0310 UTC

537 198 44
76749 31716 44196 92015 69186 25226 80384 76219 06813 97853
73323 26536 69598 83305 35851 03705 19021 52920 19366 13235
00192 95011 54279 26402 40548 77117 05016 73985 12326 27097
19245 11207 50989 94014 76047 77296 46794 74741 62692 98117
51700 17226 34709 05309
198 44 00000

11472/13584 kHz, 15-08, 0210/0310 UTC

11472/13578 kHz, 16-08, 0210/0310 UTC

537 206 45

47750 66443 25685 34882 91348 78733 29234 16134 80276 62404
71168 85792 38953 59939 40832 50224 72420 37640 50183 46433
26814 06716 32978 06756 56561 78062 12420 65836 03023 74170
54447 95823 14228 46596 48856 80734 60428 72445 85442 65907
25126 28288 17349 43494 76285
206 45 00000

11472/13584 kHz, 22-08, 0210/0310 UTC

11472/13574 kHz, 23-08, 0210/0310 UTC

537 981 46

53028 41870 33884 10657 91319 70174 24777 37646 17327 97599
59296 49454 33651 71794 23906 94487 37771 32377 52802 99262
14983 44373 38866 41937 99791 73945 56049 82964 22958 92339
22867 01318 86361 18999 61691 09723 32898 39762 33541 47324
03577 61113 53037 73233 99011 86394
981 46 00000

11472/13577 kHz, 29-08, 0210/0310 UTC

11472/13574 kHz, 30-08, 0210/0310 UTC

537 260 47

37753 15228 46895 94598 44441 97645 45593 29624 69725 87281
71834 61212 79869 50474 07490 24574 55195 85199 99246 12199
28434 81558 04817 23653 27471 04246 49006 64693 64670 07919
44348 69142 39965 21428 55956 41940 49913 61815 15316 46839
19894 64052 12686 87157 01633 37427 22799
260 47 00000

14648/12084 kHz, 04-08, 0300/0400 UTC

14648/12084 kHz, 05-08, 0300/0400 UTC

361 475 38

45881 84930 05711 15148 04302 56317 54668 98078 99793 88651
44145 51565 33198 62778 36537 53487 98380 45370 26912 62657
81766 05334 18762 66326 43602 38899 43205 44968 85650 26837
38842 40295 35004 72249 34441 37428 98684 92360
475 38 00000

14648/12084 kHz, 11-08, 0300/0400 UTC

14648/12084 kHz, 12-08, 0300/0400 UTC

361 278 39

82394 15084 74106 43693 72038 80987 12664 84704 33348 44490
93355 96145 90927 36490 85102 69770 14260 32995 85885 60199
75052 60582 43804 58983 61316 85555 96599 60959 52874 10225
46821 08823 87980 24761 14819 26860 75739 88042 36762
278 39 00000

14648/12084 kHz, 18-08, 0300/0400 UTC

14648/12084 kHz, 19-08, 0300/0400 UTC

361 592 40

25954 13647 45605 18875 07733 65066 44521 68552 61590 11614
13077 37969 79663 45885 48789 62443 52183 62274 14822 88718
42543 01064 04161 14615 79260 76980 26158 40480 07019 03165
70123 05903 63981 46486 25655 10123 77563 75145 64396 39557
592 40 00000

14648/12084 kHz, 25-08, 0300/0400 UTC

14648/12084 kHz, 26-08, 0300/0400 UTC

361 780 41

69875 24760 11913 70240 94258 99021 85102 46291 28438 56638

92235 04442 67855 78212 28289 54420 10352 73913 23961 24009

41288 77851 61312 56005 12134 09748 25835 87320 29691 89817

24638 58644 98152 17819 25425 28104 81186 52193 95969 87376

76214

780 41 00000

E07

16246/18446/19246 kHz, 0700/0720/0740 UTC

16246/18446/19246 kHz, 02-08/05-08, 0700/0720/0740 UTC

242 242 242 1 8516 102 8516 102

23042 56631 62373 01011 31733 95281 88641 26836 17104 56841

83750 80026 97354 15678 59751 58857 10612 15679 39426 71802

59268 42760 11479 52939 52580 67072 38839 77050 12976 63086

72367 29992 05741 28166 75627 69943 77636 24186 53481 20517

37465 56066 45843 05983 88535 94323 46001 05824 06600 50550

35189 49762 09460 57922 17560 66004 37444 13781 41054 18500

72300 14522 83671 48029 82138 45503 63735 24724 51372 11485

29947 37925 27641 54175 21659 90910 84370 34213 47373 36271

81195 47725 27120 17665 40586 25880 89170 20725 47187 11369

52159 88078 20726 90602 77754 02890 24429 44836 86464 64669

80408 10179 000 000

16246/18446/19246 kHz, 16-08/19-08, 0700/0720/0740 UTC

242 242 242 1 6234 86 6234 96

01010 57594 13722 62795 93472 63479 80780 21882 01751 72509

97014 31263 00448 28251 50608 65550 64896 80151 88376 11234

37222 72268 84477 11873 47768 09728 42260 38043 08098 95530

30571 62659 31342 94965 86604 78841 32242 67547 55417 96406

56275 26919 93827 55883 01423 95773 75449 32504 54680 00081

90916 67858 38442 29448 48886 35561 89023 33048 44064 73780

69127 77220 43015 41333 53622 32768 09689 50606 39236 83841

87330 02555 15649 92004 94627 01217 63987 84511 36774 41845

99726 17940 82418 03043 10616 75293 000 000

16246/18446/19246 kHz, 30-08, 0700/0720/0740 UTC

242 242 242 1 2776 63 2776 63

98712 96061 32419 78012 25655 31988 06656 14699 42747 03220

41439 19675 38751 28627 63845 54416 86508 47416 58481 94377

58761 91413 73337 12231 96512 73745 50561 02645 73554 89905

28005 03498 05830 50682 89254 67567 43034 89176 69693 05372

00571 87591 27769 83959 25561 75268 50071 18258 78446 65042

66013 80453 92286 26769 97998 48318 75723 19679 85627 80403

86336 95415 67310 000 000

13519/14819/15919 kHz, 1410/1430/1450 UTC

13519/14819/15919 kHz, 04-08/06-08, 1410/1430/1450 UTC

288 288 288 1 9843 69 9843 69

01865 52947 59545 25800 61833 88852 12498 54748 79124 76624

17978 95056 63915 46754 06333 62421 29791 05514 21844 85624

92161 26896 66663 73255 33917 32563 37050 83422 99950 80751

61734 15647 45769 93038 62420 04308 44254 28521 39601 82929

00581 60382 56512 72231 49943 44028 26658 28529 32664 60057

18448 34259 08783 68908 37341 30075 40875 52694 56847 24207

78338 63422 56620 96908 14886 78994 49843 29452 95163 000 000

13519/14819/15919 kHz, 18-08/20-08, 1410/1430/1450 UTC

288 288 288 1 2891 63 2891 63

86900 21497 67173 31718 95618 76207 94444 90238 01800 91418
81608 12631 99024 86160 64376 87896 02794 04386 30842 58838
39530 86560 60548 71515 55204 50199 19658 36492 92188 59847
50100 33088 67269 18328 16774 63438 30025 02586 40286 34567
58032 76743 55606 08897 57351 00611 83878 73107 78134 90422
50097 49883 64840 29649 83483 74699 35379 26748 00773 10673
73979 44598 27032 000 000

E11a

7469 kHz, 01-08, 0450 UTC

8088 kHz, 04-08, 1730 UTC

410/32 Attention

16246 46209 08917 05582 79299 94117 47453 22712 70633 03751
05101 16807 73695 27216 15463 06348 71925 44430 46447 52315
56427 09611 48578 64731 79191 47551 52806 41214 85185 20735
64065 57790

Attention (message repeated) Out

9610 kHz, 01-08, 0745 UTC

262/34 Attention

31905 49236 96783 52097 98248 46631 07965 53135 46739 08608
71834 83119 56114 11735 85932 12751 01538 17854 12391 77152
68350 04773 58304 49604 66150 71314 40878 06656 64948 33757
37146 62495 32265 38343

Attention (message repeated) Out

14972 kHz, 02-08/04-08, 0845 UTC

150/22 Attention

93181 27550 46800 89421 26933 92024 99989 71108 54567 17937
80849 25626 51267 42841 20552 46188 22281 20571 81146 37285
77751 27275

Attention (message repeated) Out

12153 kHz, 02-08/05-08, 1000 UTC

300/30 Attention

19911 65237 90938 66574 07473 29007 02671 10707 16306 34758
17164 28187 29466 80746 50417 08575 06610 01370 99937 90886
98477 65888 69428 92301 77997 01289 64160 43631 28313 47958

Attention (message repeated) Out

6304 kHz. 02-08/03-08, 1205 UTC

464/38 Attention

66867 59830 61123 52411 85670 44243 39164 20927 73514 57469
59086 95066 79881 10646 35550 27635 97793 63336 84690 80519
64434 57445 58266 29601 68070 39314 23207 02559 95729 00842
28446 53358 28227 23368 03364 97524 45193 29837

Attention (message repeated) out

15720 kHz, 03-08/05-08, 0745 UTC

344/33 Attention

66205 27216 94769 72683 86638 75320 13986 70027 16613 60250
53254 47075 78865 62501 70220 30847 06030 38773 84926 34825
49527 87130 36294 62172 50568 39328 05560 71240 07961 29845
97157 30795 50069

Attention (message repeated) Out

4909 kHz, 04-08/05-08, 0820 UTC

438/30 Attention

13856 75542 34795 20814 28037 79070 11806 40767 26019 78276
89481 81944 96096 26058 58295 07779 90543 47599 39336 79977
34272 15800 58263 63200 16647 09864 13805 39576 10222 75065
Attention (message repeated) Out

10356 kHz, 04-08, 1533 UTC. Late start

262/34 Attention

68758 75634 76855 43876 95342 87695 34287 69534 28769 35428
76954 32876 93542 68975 34289 76532 89673 52876 95234 87695
32897 65432 87695 42876 95489 76542 87695 48769 54876 95456
65656 56565 65656 56565
Attention (message repeated) Out

9150 kHz, 05-08/07-08, 0600 UTC

351/35 Attention

90335 41826 70476 55777 01234 49540 32241 20640 25263 90524
90488 26265 10111 27573 86694 00209 55557 05225 99382 66524
55724 52050 72556 01150 31445 38297 44173 03029 01257 80522
87356 11740 94918 31383 76157
Attention (message repeated) Out

5082 kHz, 06-08/07-08, 1530 UTC

368/34 Attention

43901 93441 60574 90776 81566 49243 00909 87248 31134 61438
00916 85062 20638 88999 02086 62117 32323 92248 71905 93663
03049 07206 27561 22540 39209 41987 52677 39821 68606 01980
47298 77968 09472 21065
Attention (message repeated) Out

18030 kHz, 08-08/10-08, 0715 UTC

750/34 Attention

55362 33870 68136 86078 41159 31230 06420 90268 97327 95844
85818 55827 85930 89089 01173 58254 28789 91876 26829 15206
34091 70290 61201 39331 16468 18448 61321 93842 07141 03696
17807 20572 42378 11147
Attention (message repeated) Out

12815 kHz, 08-08/10-08, 0845 UTC

716/31 Attention

97410 91760 72899 32698 71028 63977 63005 37099 79955 11926
24081 19184 40378 79897 52830 98905 87084 46425 77766 86468
59505 00273 88869 31342 24998 93865 57180 05343 04302 54843
31477
Attention (message repeated) Out

8091 kHz, 09-08/11-08, 0645 UTC

510/35 Attention

92842 19342 40542 18286 00427 79431 57316 54159 31447 35926
97505 88629 35065 02212 19310 61538 93546 88711 65263 82858
25651 20452 66766 52629 49912 45184 22040 83208 32047 58706
44150 61600 78883 49057 39684
Attention (message repeated) Out

8680 kHz, 09-08/12-08, 0700 UTC

573/37 Attention

77478 74206 87785 08012 19890 26391 42788 55119 12796 47344
82727 79993 93623 71340 96455 45407 19576 16691 94443 05239
65112 75852 51128 10626 70643 19701 18208 95784 73369 20863
45520 39012 83915 27320 34119 51755 78018
Attention (message repeated) Out

14940 kHz, 09-08/11-08, 0745 UTC

225/37 Attention

03149 20598 30055 83490 85868 88294 88590 42086 46665 23845
27231 07174 65362 05230 12088 06948 20373 49466 38722 29649
23783 58105 61000 52330 22312 06612 29030 02296 38522 29733
09642 63590 71338 13871 00883 99639 04252

Attention (message repeated) Out

5231 kHz, 09-08, 1605 UTC

230/39 Attention

77110 21928 56746 38463 90560 46656 42481 40331 82081 01679
79591 95578 13967 00562 48173 84448 38219 84392 85026 67421
04565 73390 76647 92843 82335 62391 72827 65891 66383 90577
81451 46634 67870 05720 77238 81169 99987 20761 29883

Attention (message repeated) Out

7863 kHz, 10-08, 1715 UTC

974/40 Attention

09234 48125 20672 62523 16761 18794 05775 11178 99851 26463
48496 65159 11239 73411 98937 08531 27236 17089 19212 64918
16115 09973 67445 24142 64108 29263 40048 19483 20605 76925
65488 70801 13134 27212 74122 39962 06687 80428 56225 56173

Attention (message repeated) Out

4783 kHz, 10-08/13-08, 1910 UTC

390/35 Attention

02923 66698 53529 18472 34956 18635 85842 24611 42753 98237
81286 91386 30287 29270 67624 09815 75933 52524 71633 47647
58961 36366 00306 51224 74537 52045 94627 77785 18056 83816
50874 88217 65662 33167 85292

Attention (message repeated) Out

9610 kHz, 12-08/14-08, 1910 UTC

612/32 Attention

31219 78798 40908 92627 49170 99530 98136 56956 35464 60665
76127 51870 53368 68903 57918 82668 30987 54284 26857 14029
74981 35223 27422 68900 42892 01189 36764 39600 84469 39492
22883 10994

Attention (message repeated) Out

15800 kHz, 15-08/17-08, 0640 UTC

941/31 Attention

26962 69527 23961 15947 22235 57406 95349 80047 69583 75696
80766 35858 79995 83728 76464 79267 12607 34894 37346 66851
89884 82685 83127 26116 58373 97018 50919 73915 31149 71313
50377

Attention (message repeated) Out

15720 kHz, 15-08/19-08, 0830 UTC

182/29 Attention

07631 45414 04119 94244 82460 75180 72663 75655 92653 83117
81925 69239 84802 19362 46527 78360 62783 68285 25792 93786
83509 15936 74809 64937 94842 10869 32378 24452 45692

Attention (message repeated) Out

12984 kHz, 16-08/20-08, 1430 UTC

914/36 Attention

62459 77440 87851 19095 91713 74454 68072 41687 97560 08825
07563 62172 45297 84127 07161 90558 93637 02270 28709 36493
75926 25601 39071 59698 18611 11233 52120 74712 19385 47342
22082 75551 96790 17404 06868 66844

Attention (message repeated) Out

6923 kHz, 17-08/18-08, 0930 UTC

275/38 Attention

73853 08302 70096 67256 97607 75486 90929 18465 76019 45269
04061 33673 04380 33167 12502 37474 90032 82504 48180 86011
20697 13381 20802 54119 14359 72829 35377 27387 34405 57461
22296 64846 75793 00241 29290 58601 18452 35408

Attention (message repeated) Out

9052 kHz, 22-08/24-04, 0900 UTC

536/37 Attention

54058 26330 82325 33684 98715 74492 17685 39214 75330 16831
27141 99558 92965 56957 59492 60104 15464 11323 90362 88961
95604 03046 85087 38682 76508 13303 71217 97616 50922 20799
25363 32892 18720 62830 97231 50964 75739

Attention (message repeated) Out

8545 kHz, 22-08/24-08, 1045 UTC

690/35 Attention

65228 36388 94582 91342 33619 91953 95477 51282 73800 87579
14479 53006 01662 02355 86557 26893 81813 38760 34690 31989
21902 65877 72989 73539 02111 78182 26983 39190 04119 56096
46095 37632 03927 89130 85822

Attention (message repeated) Out

5737 kHz, 22-08/25-08, 1300 UTC

312/33 Attention

83495 55286 99695 35705 30957 27026 59730 00824 69581 36698
22842 08316 39399 29746 78667 47449 92146 10309 78834 44807
53003 43728 81962 92147 16754 72471 54556 43515 74652 26437
63378 73010 85296

Attention (message repeated) Out

14410 kHz, 22-08/28-08, 1745 UTC

242/40 Attention

34414 80768 67580 79610 55092 87540 59347 67469 81062 24422
98253 89958 84627 57021 08187 27930 06229 26416 22755 20078
89905 83395 46731 88929 96499 84006 21807 88079 48054 38231
15327 13279 12655 42718 26378 29536 42568 28581 80067 03229

Attention (message repeated) Out

7600 kHz, 22-08/25-08, 1900 UTC

644/40 Attention

23977 73312 10745 98290 40817 65117 89958 78763 94335 68235
33763 69644 44474 52172 01410 01567 21905 00424 58497 52954
86679 38795 13996 99533 81714 81385 01505 48286 17733 56452
97906 89010 51343 98399 30585 20642 84664 19582 38312 96422

Attention (message repeated) Out

10429 kHz, 23-08/26-08, 0715 UTC

639/32 Attention

07829 04247 00481 25685 54182 00728 38682 52936 53094 51586
26668 17927 60279 87013 91501 46869 66479 67682 33963 84272
65232 82278 96307 01647 68046 53182 25400 65179 22363 18504
47106 63481

Attention (message repeated) Out

17378 kHz, 23-08/24-08, 0820 UTC

136/36 Attention

94935 55742 34572 88893 13118 81241 05183 16554 72161 52796
88189 05567 06870 42668 01597 86349 25490 63659 90852 15555
11228 80434 63973 74810 61791 61271 88225 53823 49727 01105
06940 89285 26294 18994 92496 38207

Attention (message repeated) out

14575 kHz, 23-08/25-08, 1645 UTC

338/37 Attention

29040 63553 53093 72487 89530 36742 32371 52812 47602 32989
28752 68748 42302 46030 66182 20547 13142 85338 15094 82811
83960 42483 85066 43344 19559 14531 20204 23671 67809 67413
03534 75716 88405 87198 10497 63344 09541

Attention (message repeated) Out

5409 kHz, 25-08/28-08, 2000 UTC

524/38 Attention

66924 51257 65050 34990 48435 07281 90707 29249 30993 53525
21599 33182 43851 00772 36880 35787 08240 45031 43020 87447
42211 62680 68271 49505 46239 56568 89773 78360 96998 94442
74893 88964 95602 48684 34396 25256 34743 26514

Attention (message repeated) Out

12229 kHz, 26-08/28-08, 1815 UTC

927/33 Attention

44845 76462 48490 71262 15966 77735 42392 36512 03096 23608
67755 90575 73380 39191 88214 91543 86954 75859 68505 29050
87335 14022 13906 82529 41912 11911 65155 38325 03963 84044
67865 24768 50769

Attention (message repeated) Out

7377 kHz, 27-08/28-08, 0700 UTC

491/39 Attention

73494 23608 37727 53052 62222 95176 24116 92667 98756 36992
82212 99985 68430 27656 42677 03606 61662 60603 97155 72314
67049 14464 50849 12866 86758 94050 95974 24721 56004 27806
66920 45500 06465 74139 57354 88974 39788 82089 68959

Attention (message repeated) Out

S06

11487 kHz, 20-08, 1301 UTC, i.p.

534 (R)

94417 11918 28974 07084 11994 84432 91584 04595 43232 65994

60893 31982

761 32 00000

Incomplete preamble. Sent only 12 groups vs 32 groups mentioned in the group count.

Heard by Subilo, note by Pierre (PY): ID 534 is a strange ID, difficult to understand. It's been logged several times in the past on 11487kHz then repeating on 9412kHz, regardless of month or time of the day. 11487/9412kHz are "known" frequencies used for a number of transmission types, to muddle things further. ID 534 was logged from Chita in the past, but apparently not exclusively: it's possible but unconfirmed that this transmission was from Chita. We were unable to catch a repeat on 9412kHz, but maybe we checked at the wrong time or place: the message was apparently caught in the middle of a restart, and the scheduling of it all if any remains uncertain.

Group Cycle network

16327/13875 kHz, 04-08, 0830/0930 UTC (last known S06 842 transmission)

842 569 43

68746 62745 69853 99285 82545 37444 20589 82832 67875 93387
03324 94290 27654 72583 40167 79629 43847 20479 11472 81118
05319 43974 39595 24873 89298 37482 12986 10053 51139 50504
17801 35669 02075 95142 69213 25914 79647 16995 59633 39972
40500 77857 65995
569 43 00000

No transmissions on 5, 11, 12, 18, 19, 25 and 26 August

S06c

12208 kHz, 22-08, 1045 UTC 11190 (R)

S11a

6814 kHz, 01-08/05-08, 0915 UTC

483/35 Vnimanije

29532 61227 87897 31086 09039 46257 54911 42666 54831 76148
68783 04695 41624 18331 85222 60988 32164 62653 34959 70202
72727 08481 73754 88008 03830 62514 91237 08341 90449 56336
48119 31687 09972 66868 73166

Vnimanije (message repeated) Konets

12457 kHz, 03-08/06-08, 1850 UTC

282/32 Vnimanije

73581 82090 29865 86750 55034 03464 10794 28891 54462 20050
89557 76280 44198 13549 40595 83586 75747 36673 32962 02036
66380 62680 64331 50027 08361 24689 50893 29150 38808 93052
23312 36255

Vnimanije (message repeated) Konets

9968 kHz, 09-08/11-08, 0445 UTC

794/36 Vnimanije

78858 93404 69307 91361 12813 34186 16714 99851 18241 68395
85662 95020 90821 12091 18437 77231 36303 11252 35793 62734
51249 44113 69717 65195 40159 98539 91144 89927 28023 31454
79058 65581 28196 94788 87443 62327

Vnimanije (message repeated) Out

5149 kHz, 13-08/14-08, 0830 UTC

370/35 Vnimanije

84084 21847 88883 51076 50072 07592 95668 80441 89214 06461
44579 70118 16315 97871 64029 58353 44564 73879 13814 39321
83196 79196 62937 83834 60673 59891 52982 25183 08313 94568
70896 93033 05557 70689 10088

Vnimanije (message repeated) Konets

13537 kHz, 15-08/17-08, 0510 UTC

651/38 Vnimanije

48907 52991 14692 76118 49995 02612 83581 97013 44767 77655
41242 00091 58644 21584 24001 97135 18501 89431 42799 60417
85537 81369 20134 49688 24171 75116 20593 55552 52274 61917
69399 20194 27026 23484 73797 63914 23827 29450

Vnimanije (message repeated) Konets

9339 kHz, 15-08/18-08, 0700 UTC

470/32 Vnimanije

83966 93780 47896 83041 73179 17163 16758 97802 21240 06164
15966 72603 11484 75355 20754 28407 45045 59928 82286 05369
30583 04266 24814 05008 59295 43445 86838 22721 61959 38311
92452 28271

Vnimanije (message repeated) Konets

15690 kHz, 16-08, 0500 UTC

15690 kHz, 18-08, 0500 UTC. 380/40 off after 2 mins

380/40 Vnimanije

10883 07832 47991 76585 68964 28289 99876 59845 00668 46392
58044 35372 21775 82301 49489 94724 68340 72586 62764 79039
35740 97774 40986 83803 22333 73557 11080 67965 60608 67599
77970 36604 08832 47900 39598 85033 71731 27107 79436 83427

Vnimanije (message repeated) Konets

7772 kHz, 16-08/19-08, 1400 UTC

425/36 Vnimanije

86693 50880 87567 35061 28982 47194 37097 44252 69514 28534
76237 82588 68622 22488 34302 20238 79977 50341 27058 27289
19791 44857 38476 16434 60125 77498 60954 89513 83047 32311
77122 73767 66838 08598 08023 31557

Vnimanije (message repeated) Konets

S25

18697 kHz, 15-08, 0810 UTC. Sent from Chite

66753 (R4)

18697 kHz, 15-08, 0820 UTC. Sent from Chita

753 753 753 45596 45596 (R4)

11111 11111 00000 00000

V07

13464/12164/11564 kHz, 07-08, 0300/0320/0340 UTC

415 415 415 1 191 116 191 116

86309 58318 30468 08094 39942 87255 23548 94889 31664 01230
23004 25743 41477 63010 51851 12817 79823 31092 08785 46712
99447 47755 75069 35595 86551 23517 30452 89353 32006 41864
91514 81437 00321 86304 93867 49819 66075 09429 81193 56672
56576 52329 84616 93670 32288 73344 36115 20128 97658 77814
04738 63459 73328 36492 06837 11861 81628 55355 43091 57199
68608 49524 04775 07117 85853 38898 75187 24159 70680 44193
56839 25855 11443 24993 98890 90982 45524 38945 29944 46865
07229 00385 75200 63586 26759 70052 51602 88501 37105 07769
22190 69147 05524 12682 79091 84487 88642 48943 56491 77076
67257 01891 24973 52113 30565 78754 26264 13256 86673 14545
92060 56578 84082 21012 44236 61183 000 000

13464/12164/11564 kHz, 14-08, 0300/0320/0340 UTC

415 415 415 1 447 140 447 140

91254 29245 35610 58134 66796 20687 21207 20121 25470 30467
13077 38321 27770 81193 45829 70189 84513 28325 35584 58421
52598 97612 96904 22516 34771 72688 30342 37896 15932 34836
92729 02890 79893 92743 86882 92255 98031 81874 22088 35847
14730 77380 28112 24439 36394 46986 42570 65426 67321 63373
62560 81121 49386 63161 66099 83765 70044 81064 08151 93827
64244 21880 83427 61062 71131 51467 55486 74192 69070 36086
87636 70609 79583 28096 10406 91580 68318 72177 03486 94336
18258 22740 19976 26862 94186 51238 12768 14852 43135 14433
56774 87921 33169 93010 26285 13040 46963 67998 84669 22568
99572 93148 49972 68741 02461 52132 69370 21695 38764 23944
15554 63489 27196 47926 31630 56610 06078 34687 36684 13027
84893 89134 50619 42674 16663 50986 02901 13974 04330 98060
74369 98260 98519 93045 18155 90587 70727 12724 16887 87427
000 000

13464/12164/11564 kHz, 21-08, 0300/0320/0340 UTC

415 415 415 1 3600 108 6300 108
66503 59642 12673 25587 51818 63067 43415 95138 23778 28645
29753 84586 07852 84388 22272 77867 57765 39765 41629 50154
41389 00904 42817 12755 50110 49073 01881 42576 58501 73227
58367 48816 86289 87860 89529 01779 83125 17487 12794 06731
39220 03903 11807 25231 59165 01627 07159 43681 60644 35026
50343 89237 75548 32701 64585 62073 34421 01148 34627 30531
56797 05536 78690 11009 39522 25946 29904 32088 06370 53257
00645 03097 42055 59349 16862 43141 95294 65569 99082 96613
20689 46402 84641 76332 64405 88188 00503 12858 78444 61429
34721 26226 56623 28768 20530 87389 13153 66534 53298 36166
04641 40745 16163 98834 54981 20099 04100 87477 000 000

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

See logs section

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

August schedules:

Daytime 7692 kHz USB and 4333 kHz LSB

Nighttime 4450 kHz USB and 5017 kHz LSB

4450 kHz, 08-08, 1302 UTC, USB	5017 kHz, 17-08, 1302 UTC, LSB	4450 kHz, 24-08, 1158 UTC, USB
5017 kHz, 08-08, 1302 UTC, LSB	5017 kHz, 18-08, 1210 UTC, LSB	5017 kHz, 24-08, 1304 UTC, LSB
4450 kHz, 06-08, 1233 UTC, USB	5017 kHz, 18-08, 1305 UTC, LSB	4450 kHz, 24-08, 1304 UTC, USB
5017 kHz, 06-08, 1233 UTC, LSB	4450 kHz, 19-08, 1305 UTC, USB	5017 kHz, 25-08, 1204 UTC, LSB
4450 kHz, 11-08, 1334 UTC, USB	5017 kHz, 19-08, 1303 UTC, LSB	5017 kHz, 25-08, 1305 UTC, LSB
5017 kHz, 11-08, 1334 UTC, LSB	5017 kHz, 22-08, 1332 UTC, LSB	4450 kHz, 25-08, 1305 UTC, USB
5017 kHz, 12-08, 1653 UTC, LSB	4450 kHz, 22-08, 1233 UTC, USB	5017 kHz, 30-08, 1158 UTC, LSB
5017 kHz, 13-08, 1236 UTC, LSB	5017 kHz, 24-08, 1158 UTC, LSB	4450 kHz, 30-08, 1159 UTC, USB

The station on 4450 kHz was normal till August 22nd, after that a slow version was heard.

MORSE STATIONS

M01

5280 kHz, 02-08, 1800 UTC

025 426 426 30 30
54216 91421 63819 04511 02283 64617 74415 01427 89146 81093
04518 94343 57126 48715 34812 04416 53615 31805 94514 05516
34169 26170 94512 04517 94518 84510 84513 54813 45192 84413
426 426 30 30 000

4903 kHz, 02-08, 2000 UTC

025 528 528 30 30
01427 84514 05517 94514 56198 04517 84519 45320 76413 45182
84518 93520 74812 53271 94510 27158 94532 56310 35482 94519
04537 45271 54291 04529 63182 37810 53817 84526 38451 95631
528 528 30 30 000

6435 kHz, 06-08, 1500 UTC

025 304 304 30 30 = =
28746 36276 48576 49305 86958 75847 49387 30295 85743 75847
05986 59943 03948 75847 32746 58476 40294 85743 96097 85690
83748 10948 37486 05948 30958 40958 50968 58476 95867 09760
= = 304 304 30 30 000

5280 kHz, 09-08, 1800 UTC

025 290 290 30 30 = =
63849 19030 29830 19488 27499 03782 37488 39034 27382 27893
73889 26380 36478 23905 14782 37892 26378 12903 39498 23894
62890 36478 27840 18934 46389 26390 54056 74890 63787 83655
= = 290 290 30 30 000

4903 kHz, 02-08, 2000 UTC

025 911 911 30 30 = =
01928 30487 47299 29057 03892 97466 64890 54907 29046 28478
73889 39027 23904 21194 74899 28378 84933 28946 74763 74638
28933 12984 30972 30633093 28933 29 64785 645 89436 89345
09233 08247 84504
= = 911 911 30 30 000

4903 kHz, 11-08, 2000 UTC

025 759 759 30 30 = =
38475 84754 75684 97059 58675 48576 04958 39495 06978 43746
73621 10954 48754 65438 57486 96850 49587 10958 47586 39854
18473 86750 43968 74867 05948 37245 96875 01847 37465 32764
= = 759 759 30 30 000

6435 kHz, 13-08, 1500 UTC

025 815 815 = = (no group count)
89209 14562 38749 27399 10990 37829 28345 34672 37829 02890
74899 25367 38499 29033 13099 37872 28492 19023 36723 38491
36782 83944 20911 18439 36478 29033 23778 38940 27389 36478
= = 815 815 30 30 000

6780 kHz, 14-08, 0700 UTC

025 845 845 30 30 (no separators)
19063 26343 28938 37694 92738 20339 28390 03987 27839 36478
26376 45636 39028 02738 (02736) 10298 20398 40982 30948 20196 56478
54892 20396 52746 21984 36478 21094 20296 38290 67489 90376
845 845 30 30 000 (no separators)

5280 kHz, 18-08, 1800 UTC

025 436 436 30 30 (no separators)
53612 84512 09415 65741 94710 45361 84513 95620 04541 44512
34516 84519 5417T 34162 94514 6742T 94512 84519 34612 64871
03517 90351 46719 45326 74810 35172 84531 34517 84914 95720
436 436 30 30 000
845 845 30 30 000 (no separators)

4903 kHz, 18-08, 2000 UTC

025 322 322 30 30 (no separators)
93512 03417 83910 34268 53271 84517 36271 05612 45369 04512
11342 54637 84512 64739 04532 94512 54631 45317 54632 04512
75451 54632 98130 36241 56472 96104 78123 04672 94512 03221
322 322 30 30 000 (no separators)

6435 kHz, 20-08, 1500 UTC

025 418 418 30 30 (no separators)
94616 16478 09315 64790 24172 54630 74513 84618 54631 94710
37180 24163 28910 63748 93517 03819 45327 04712 54819 03458
83810 26381 28491 78491 27491 45391 04718 84915 64712 94712
418 418 30 30 000 (no separators)

6780 kHz, 21-08, 0700 UTC

025 891 30 = =
45361 84519 37180 34617 45632 46380 47182 46381 08491 25364
36471 45361 84901 63781 67391 04563 84912 04782 46572 04712
48190 36741 48912 46738 97125 67810 74812 38671 67891 03717
= = 891 891 30 30 000

5280 kHz, 23-08, 1800 UTC

025 185 185 30 30 = =
19587 47364 85746 39587 30968 57684 37264 06982 75417 56478
85749 48759 03928 10968 96059 58690 48395 86754 97068 05968
06905 75465 37564 85768 96098 37265 75803 27521 74612 86904
= = 185 185 30 30 000

4903 kHz, 23-08, 2000 UTC. Errors at the end

025 374 374 30 30 = =
74364 75847 37264 57465 93821 85096 85496 86757 86594 91872
63749 10498 47564 32647 48574 06984 73645 21567 94857 49387
30958 75648 59609 48576 38698 06987 47587 **487 247 3284** 46546 86785
= = 374 374 30 30 000

5280 kHz, 25-08, 1800 UTC. Two different repeats

025 178 178 30 30 = =
28746 36276 **26376** 48576 49305 86958 75847 49387 30295 85743 75847
05986 59943 03948 75847 32746 58476 40294 85743 96097 85690
83748 10948 37486 05948 30958 40923 50968 58476 95867 09760 **9760**
= = 178 178 30 30 000

6435 kHz, 27-08, 1500 UTC. Messy transmission

025 399 399 30 30 = =
85769 98098 20922 35426 47909 15243 24354 67566 87798 36547
25436 57768 25436 57768 576 2232245657 6758769 71526164665565
EEEE
68790 15411 22443 35466 17621 36547 14320 98091 29983 14326 57648
13211 30093
= = 399 399 30 30 000

6780 kHz, 28-08, 0700 UTC

025 428 428 30 30
46576 87698 79860 35442 54637 96877 47658 07098 36547 44657
57689 00890 14324 64567 86879 90987 14235 36546 57657 58768
09087 65765 35424 36547 88790 13122 35467 57689 46537 14324
428 428 30 30 000

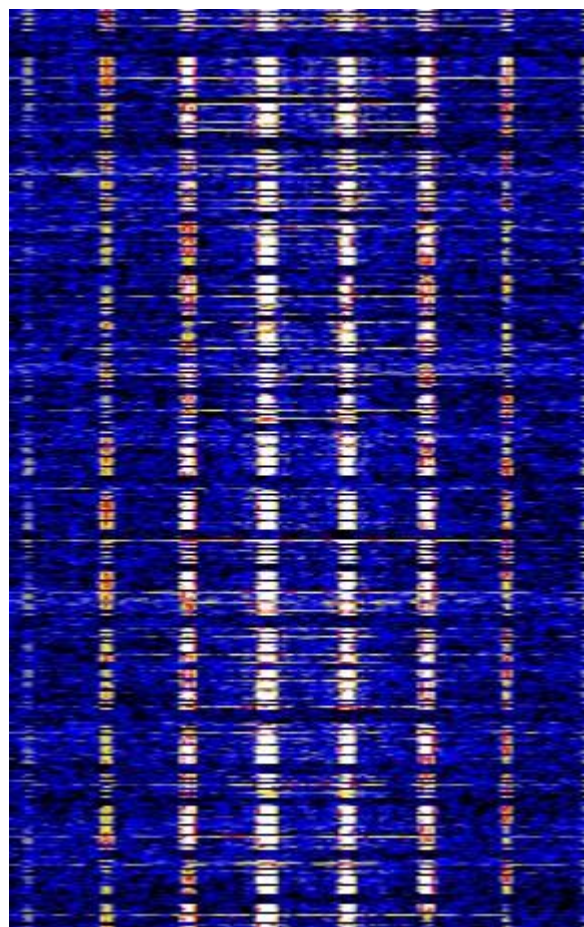
5280 kHz, 30-08, 1800 UTC. Wrong repeat in red

025 723 723 30 30 = =
61849 05618 21648 41236 25136 38057 81093 81653 **81654** 01746 81046
71940 72649 49105 01754 92754 19463 01759 62195 71654 01759
91750 62105 72654 01958 83714 14280 85093 81756 02759 01759
= = 723 723 30 30 000

4903 kHz, 30-08, 2000 UTC

025 503 503 30 30 = =
71037 91047 81930 67104 65105 83017 01756 61058 81057 81046
81940 71945 02759 54195 02759 17593 74914 03759 84610 61840
65819 65104 27491 65104 92756 01759 46713 21645 75914 01759
= = 503 503 30 30 000

M01 has odd signals. Sometimes it sends morse over 6 carries (pic right)



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

12205/13559/14728 kHz, 01-08, 1230/1250/1310 UTC

973 973 973 1 2424 58 2424 58
51392 19188 18220 08094 10031 80460 44944 65683 57755 39077
66381 41084 05473 78884 41268 42478 89694 70139 55842 03018
41222 44797 26205 18436 67589 93748 02293 77369 33157 83781
18651 76433 16316 03368 34832 35901 55926 15776 13028 60096
40007 60228 16327 57044 56507 04556 25046 55840 12484 49853
90541 74037 25766 66961 98543 22752 06017 29528 000 000

12205/13559/14728 kHz, 08-08, 1230/1250/1310 UTC

973 973 973 1 9277 61 9277 61
19594 33160 84331 90314 35927 45733 87954 78853 02717 16201
89882 69319 75721 15894 01783 17746 83715 88028 75655 54596
67251 61050 81851 38572 24506 45128 62880 10109 77520 67141
69863 11287 00774 53950 37475 49300 64711 74158 98238 69774
28548 84018 17180 63657 02360 44189 41667 88232 24966 26422
33203 04933 32213 01502 80224 62798 80965 19527 39999 02826
00303 000 000

12205/13559/14728 kHz, 15-08, 1230/1250/1310 UTC

973 973 973 1 0637 61 3637 61
52661 37962 03477 54856 14229 38231 51828 00639 66040 65795
29975 00468 45547 94297 57469 44713 71279 52167 06044 10661
23820 54270 62230 32842 62517 87918 47190 43074 09360 73641
92134 97641 75096 80226 01002 79919 50508 16750 67556 58391
70471 71017 08455 79004 22710 26547 85991 55791 06680 72098
58259 43378 15548 58530 12093 56812 05561 02407 22910 40194
97696 000 000

12205/13559/14728 kHz, 22-08, 1230/1250/1310 UTC

973 973 973 1 4229 55 4229 55
90587 87122 22314 77233 93185 99009 97371 16406 76461 98986
13941 68637 97022 49603 02175 38565 19238 68954 39136 05136
02956 81288 73075 94746 69060 01805 87195 90779 46066 99377
57770 01345 73120 01026 97051 09390 17030 00494 87211 14766
79017 77159 17344 03720 97088 25830 51722 26852 38902 03871
76456 08235 28843 90012 34297 000 000

12205/13559/14728 kHz, 29-08, 1230/1250/1310 UTC

973 973 973 1 3581 60 3581 60
62223 77029 24286 52362 29899 58003 80750 08794 26352 47467
22368 74237 86991 27675 69419 65275 84431 66073 66915 66449
70700 27271 11589 42674 57949 00262 01887 87329 83251 41121
30692 90200 14541 03601 78386 25335 89059 95858 74217 38741
14113 46839 47951 24051 44113 36102 47913 48914 26453 04795
97226 63970 85715 78717 44908 89583 88152 74657 18115 78306
000 000

9052/8062/6952 kHz, 2210/2230/2250 UTC

9052/8062/6952 kHz, 03-08/06-08, 2210/2230/2250 UTC

992 992 992 1 1341 112 1341 112
33026 40196 30095 63553 78917 50640 83404 66640 41912 53559
14503 44044 24579 77528 17940 01403 89264 63788 43062 92429
41727 66354 55453 75729 00648 77526 19225 65082 66663 68939
60740 62548 13332 58316 18906 39193 97740 54316 48798 92201
82400 08634 01580 32030 08185 54366 48401 91227 47394 08382
20870 31987 36392 84251 77112 21150 59916 36270 81472 42988
92981 46308 99826 93700 22277 76596 66351 27852 32295 70522
44622 67644 25267 12752 01539 77523 89932 86879 57592 01624
01131 21856 84615 58734 84997 34134 58890 40176 61386 24888
10848 47502 29992 63555 82954 48852 75270 37756 75390 86228
56464 50268 66191 63425 09885 57805 84631 37178 59872 58803
18190 90323 000 000

9052/8062/6952 kHz, 10-08/13-08, 2210/2230/2250 UTC

992 992 992 1 868 98 868 98
35149 55297 76571 38737 19655 57462 60138 76018 66361 62864
45512 09591 14818 91711 99305 56233 68248 27350 46804 30886
07009 84020 74775 65700 87499 56474 80235 67286 26338 72679
93065 23188 76819 51893 68099 42620 04847 89217 05593 67205
09980 25140 32419 44131 80165 33238 32616 64473 92428 74917
10521 21395 96460 77476 84216 20016 27365 59822 11385 94737
77897 28181 57244 53473 69663 89342 39401 59717 85302 89633
48233 92123 06576 58675 98655 68771 14372 87048 86835 79016
14223 55513 94147 64138 05511 83891 97306 21604 63511 13478
90358 01788 79675 47240 87024 26349 86976 74013 000 000

9052/8062/6952 kHz, 24-08/27-08, 2210/2230/2250 UTC

992 992 992 1 459 94 459 94
13507 44769 67819 81508 06744 56803 82532 93357 07700 97423
01992 72306 53474 12376 69138 65546 38501 17444 70982 06503
48173 51232 25405 94108 86723 71036 05096 86461 42798 04737
12937 78660 46023 27496 96578 28393 33047 04884 30024 50899
41236 49009 85991 24994 48552 86585 39623 33310 18268 68204
09905 27470 27942 50310 18043 28049 46646 21068 38614 80989
42993 68020 78652 78942 90422 67916 17239 91663 59392 26512
73501 15875 51560 22815 52364 99083 89977 30618 71594 89568
66191 41765 76981 41080 76365 18455 61594 25152 60540 39328
32244 07504 41725 09154 000 000

13386/12189/11491 kHz, 1100/1120/1140 UTC

13386/12189/11491 kHz, 04-08, 1110/1130/1150 UTC

725 725 725 1 2668 99 2668 99
95217 67595 36313 56476 48865 97515 52404 48643 90248 77103
29515 06658 91330 11369 69937 45477 15473 57353 72064 76847
54517 29130 42886 46604 48821 38399 87002 79300 65948 54290
10893 75203 45242 72759 42597 88335 95498 79074 16366 13521
36705 84824 92843 80264 81917 79935 52122 28439 30735 97927
00972 16528 85469 60611 96961 73658 90654 53390 52150 86149
81718 40264 70048 89823 27615 65452 12259 83470 41652 52662
97907 05551 95732 57450 44019 11180 48823 43288 27961 83227
87168 46705 94756 07498 14667 64400 78812 76248 76129 80490
09235 30581 02798 05538 45011 52378 60400 86558 61338 000 000

13386/12189/11491 kHz, 11-08, 1110/1130/1150 UTC

725 725 725 1 1300 98 1300 98
25801 39109 88807 21975 11674 70282 43816 54962 71871 13865
35286 08153 36384 40632 82258 03963 41639 91955 62428 08926
07446 02706 78519 10995 31085 58067 13792 67278 63988 87227
18973 96580 22125 30583 38218 91296 75786 23053 91365 42635
71393 26884 84622 64252 90053 14554 64949 52743 55205 55039
99105 71862 70237 35136 47816 38907 53264 63892 44126 42821
04764 21931 81786 38581 96202 95551 10687 15522 44473 26262
67911 32744 66310 85915 73366 52479 33935 40563 88076 80265
77104 23256 17951 26966 79276 93607 59721 62893 07902 09553
20607 74445 96271 20735 07025 00255 97175 42744 000 000

13386/12189/11491 kHz, 18-08, 1110/1130/1150 UTC

725 725 725 1 7004 98 7004 98
62062 65397 54681 24862 64183 94699 31513 16991 79517 05938
65102 21123 29494 49440 54845 79903 35212 80581 94669 74573
11422 26645 21090 77275 33521 17257 24272 20980 23039 73761
01810 75110 43173 79377 67462 93234 80636 06064 68775 82391
79085 27181 42872 47703 18721 89614 60216 80884 24250 49051
15260 92777 31044 30704 49860 66126 88193 17506 52110 14716
31906 26664 30408 49013 64748 17758 18052 68030 40962 48026
14679 94515 49172 50872 58708 65013 37496 71263 13876 49147
49301 27693 34482 75205 37230 20933 73649 33374 05329 79049
96083 66999 27256 97088 31464 84943 39434 02703 000 000

13386/12189/11491 kHz, 25-08, 1110/1130/1150 UTC

725 725 725 1 2941 97 2941 97
02480 35376 04325 21937 72089 34346 00491 34589 21466 87100
67780 82596 81816 90311 75045 57321 53249 32593 18610 12306
73092 16235 08270 59412 74479 89844 23363 23318 69233 35805
17279 39293 17892 65648 15335 72146 30892 41570 30476 91316
89413 64822 17820 19967 49835 11566 58978 35656 03359 52165
91631 80062 49156 27047 53307 16340 80816 42650 25031 01786
72799 68650 17653 40982 01434 02986 08473 52920 55058 58407
01966 68359 38780 22828 11786 40858 17906 89707 79427 78255
30215 93102 59867 58621 34740 26518 68395 15756 48781 71741
81932 82703 28916 75806 00157 47933 09099 000 000

10314/9114/8014 kHz, 2100/2120/2140 UTC

10314/9114/8014 kHz, 05-08/06-08, 2100/2120/2140 UTC

310 310 310 1 794 204 794 204
45761 27842 14584 76281 98272 62004 88380 73674 42934 84234
96768 65835 91258 38232 29074 62920 85202 31871 40186 51108
28574 82771 12948 03355 49400 65815 58790 87231 98333 82794
45852 95649 87208 72771 90156 78496 41270 75209 79855 36397
17621 35008 18999 00079 28071 53174 86101 08036 95895 73375
37707 01053 79157 08571 45764 06768 82424 56771 87551 80252
21010 41497 47573 85333 21569 68160 84755 18044 05618 09845
83992 92835 08139 84327 01701 33446 16693 35283 55736 82284
79794 91247 46710 32801 73308 61623 33581 24880 32326 20848
84294 81382 33330 57153 75559 80945 85314 54084 38591 06879
86828 35925 76894 62934 74687 96290 98517 10217 54210 46387
53945 12086 17751 12441 29062 55456 58548 39125 17765 88550
18845 63529 20733 42949 07979 49660 26600 90722 71236 35690
59480 34277 55584 21938 12697 04630 59570 73032 86267 37548
75894 16609 24491 35306 65284 95544 29792 13960 39570 91125
38031 95971 56077 44429 20206 54501 47712 24628 36315 45952
46761 30409 00677 12712 39393 69114 63376 00154 45287 88200
35092 53431 83587 84759 89227 83728 70567 90501 72811 74333
96640 68016 95064 55401 34803 05318 39529 42194 16103 91674
92978 10281 75913 00591 59411 52242 61917 67896 56500 54837
00172 33103 61552 33300 000 000

10314/9114/8014 kHz, 12-08/13-08/19-08/20-08, 2100/2120/2140 UTC

310 310 310 1 782 108 782 108
12935 00124 84222 83540 34400 06468 07396 65988 18975 66832
16832 51931 48561 07534 40958 24071 41238 00379 83977 59102
40685 78749 23365 25812 92427 44066 60976 97341 70842 46660
32760 94054 94986 91348 62145 52896 77282 29793 40182 75789
97701 00256 98063 90481 59886 82996 06938 63856 87304 19337
93066 08559 66319 33721 61043 49290 37178 88244 03571 25129
29940 33518 17361 30887 78360 76594 11438 58834 09592 44574
21254 85247 87902 38977 34558 29289 21509 03483 25205 31554
49771 02423 04318 07391 58584 01186 34572 22105 91441 48051
53045 67318 41729 03784 63858 91862 84931 13751 47694 37379
89444 85836 54654 11905 55849 64690 80078 08112 000 000

10314/9114/8014 kHz, 26-08, 2100/2120/2140 UTC

310 310 310 1 879 98 879 98
46119 62573 70652 16141 57106 30484 93264 71956 86223 79138
12485 21676 26928 73484 64541 91152 22559 18590 01844 82477
22148 84951 96177 49149 54413 48227 31885 69303 07015 98595
16532 40134 19993 39113 65209 48502 18379 97493 47858 53363
52772 88187 03046 20282 27593 89739 46725 65286 52632 79454
26487 75001 14591 19744 86245 87296 92045 96540 97513 07269
75655 53618 53434 76142 07779 24665 46691 99408 79829 32159
12194 33784 58814 75575 74007 52194 58547 01529 88849 72705
01793 00291 22613 18456 93759 81003 37079 96030 66428 68715
84915 23677 83309 34928 58365 99463 20730 23573 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC**11435/10598/9327 kHz, 06-08, 1800/1820/1840 UTC**

938 938 938 1 6200 77 6200 77
68773 68996 80885 34292 37119 26496 29787 07542 58054 30688
77123 97670 03934 82915 69767 46675 29519 58547 21731 19615
10532 79459 20828 17749 07532 42455 50424 23291 53955 22559
31224 35107 55804 26676 85823 67980 17851 37271 61116 05912
55791 83088 55306 76380 44969 63653 18754 59933 97395 08158
31108 16005 47456 78750 77951 70018 72060 97673 99988 22828
21550 62590 06918 27747 01921 88178 42725 66454 71662 39796
45357 11342 70806 88662 52209 84298 90104 000 000

11435/10598/9327 kHz, 13-08, 1800/1820/1840 UTC

938 938 938 1 5021 77 5021 77
80084 77020 56318 90803 69960 10342 54448 98415 36556 45321
40571 80473 73504 12838 14659 93306 56128 58639 93788 90514
16940 94081 26317 02319 35539 77779 88254 87728 17814 20507
77321 61543 16382 64879 35137 57496 72692 14947 71286 43987
81810 25045 97685 90361 24391 23263 27518 54469 53598 05337
39375 37801 83303 21400 45765 89401 69989 24864 75441 10466
80322 72616 32784 94510 82752 91254 85842 56651 97700 47591
74258 53793 69177 84369 37990 05758 26346 000 000

11435/10598/9327 kHz, 20-08, 1800/1820/1840 UTC

938 938 938 1 4589 76 4589 76
94269 08297 23605 42306 79443 71927 35057 35034 74112 81104
49868 09721 98913 62120 92069 27324 69882 37476 48724 65085
60804 29175 37575 99189 98356 04710 77468 51830 35713 62075
93185 86233 82967 52899 70785 40219 84061 35500 99491 15047
34177 86321 74035 41353 07789 85764 89735 32292 72393 58137
02517 66288 28682 76682 18325 84854 04993 64669 70409 95475
81315 18259 27637 74745 30084 03326 29006 81202 71076 93122
48011 71464 75086 37678 62327 39325 000 000

11435/10598/9327 kHz, 27-08, 1800/1820/1840 UTC

938 938 938 1 3283 78 3283 78
36656 49269 69391 65628 07424 50918 97839 06510 12607 80955
86157 52301 30070 80900 00517 70356 41460 26353 72496 11898
80845 70989 49746 25467 17463 75546 52477 42913 17568 84034
57116 16117 24424 25062 06335 42784 25201 80206 70830 62226
34313 84851 88364 62315 22994 07928 29511 81172 42688 96184
48164 04373 04579 92156 41681 96014 36084 47970 38431 97998
64629 31244 44229 44625 22353 67272 27037 89891 24436 85146
50646 30192 69521 63840 55712 78084 05816 21673 000 000

12148/10648/9148 kHz, 2000/2020/2040 UTC**12148/10648/9148 kHz, 08-08/11-8, 2000/2020/2040 UTC**

374 374 374 1 856 78 856 78
05123 05814 56245 11427 54607 28309 40404 57040 94180 19444
01025 97153 81311 49965 69719 72580 74874 80644 59136 54579
69330 21789 24158 90409 16809 51964 87743 92167 45725 37162
92812 24575 12984 58087 07602 23602 14504 61874 31903 18718
25340 98468 43839 53068 07477 07064 88958 48119 31004 30696
85844 05108 19268 16748 97391 42593 55309 18716 64961 36825
47964 14086 16961 85418 56845 52485 47641 65119 80685 06070
81455 25126 58331 86183 56763 69132 87020 71649 000 000

6784/8184/9342 kHz, 0030/0050/0110 UTC**6784/8184/9342 kHz, 09-08/12-08, 0030/0050/0110 UTC**

713 713 713 1 750 76 750 76
47962 30413 08328 88593 73180 94784 33925 58720 93288 18484
23425 33312 43690 66148 27412 47449 59868 83997 27128 30170
77222 21686 66362 91855 45893 44004 17611 48964 79330 62796
73060 65263 59271 18469 59390 83610 47664 95293 39286 80177
94569 58835 55306 81112 77455 39731 13568 35123 64046 61917
15397 24742 94580 33378 83734 75999 02890 86612 51665 67551
92644 52231 94053 29467 31337 64927 91553 35593 68423 62399
77580 68774 47219 11818 80484 52420 000 000

6784/8184/9342 kHz, 30-08, 0030/0050/0110 UTC

713 713 713 1 4382 94 4382 94
78549 09069 59290 06784 68928 99577 95821 50832 59563 06668
56669 07421 76836 66423 19787 49381 82281 19782 94715 38393
21459 82409 54209 32615 47930 39016 68686 39841 73655 24252
80496 25931 66507 84461 03522 10920 89003 25894 41115 83580
45454 09365 69147 59674 55293 23833 95952 45875 33556 90410
99671 11308 44176 82656 57110 71681 15610 22253 46391 18242
62147 75334 80716 50280 59087 43650 00293 90425 96069 19481
36444 26072 66880 63860 72041 28587 08548 38401 26132 39232
70137 91061 06108 23151 37728 63283 03785 25954 20736 57515
68280 19520 63107 86360 000 000

14681/13881/13381 kHz, 1600/1620/1640 UTC**14681/13881/13381 kHz, 10-08/14-08, 1600/1620/1640 UTC**

683 683 683 1 1155 64 1155 64
65008 51962 07233 10795 55062 84039 83085 14495 94552 85780
46066 07941 17697 05988 02803 74856 14527 74848 55865 06664
12335 78346 61941 43917 87662 47873 80563 53027 51969 84471
76874 80816 31655 21915 06007 81907 38372 80483 69642 28537
38940 13572 84273 75700 68397 72661 48591 44210 46247 81607
19352 80362 06159 99990 15810 44895 25625 03500 48402 36511
45848 48205 29271 86759 000 000

14681/13881/13381 kHz, 24-08/28-08, 1600/1620/1640 UTC

683 683 683 1 878 56 878 56
13803 59934 12760 96847 61991 71993 53496 36603 38631 78425
76369 34365 64520 09170 35257 72190 91271 02188 62999 81011
88160 27668 29581 55315 11550 92565 50687 77702 19774 25906
76885 33411 00521 69748 68028 90669 14204 02254 01408 05619
72017 66667 04023 25111 95124 03941 14722 78881 50065 21033
82185 05672 42432 20029 57751 48486 000 000

15931/14831/13531 kHz, 1900/1920/1940 UTC**15931/14831/13531 kHz, 10-08/12-08, 1900/1920/1940 UTC**

985 985 985 1 9745 96 9745 96
48019 95434 54850 51337 01607 92092 08800 44939 87590 81347
04029 25602 25563 02371 55310 36018 83544 20800 68528 03104
20901 21199 94816 54644 97626 44759 81091 95482 66739 05505
33026 88651 34182 53047 15739 99000 58960 73864 90787 53838
54005 22497 35367 33298 79803 14610 74300 06400 25564 95241
37485 57738 13925 23464 76165 74322 44312 58857 20287 74975
34382 77008 16899 44056 89515 80703 61984 88463 36000 82887
93711 78281 79948 88931 48404 70133 28438 37668 08891 75244
27988 65670 62845 85617 41317 88983 87691 30052 55481 35168
65867 12234 85100 74062 14883 45940 000 000

16251/14951/14451 kHz, 1600/1620/1640 UTC**16251/14951/14451 kHz, 15-08/18-08, 1600/1620/1640 UTC**

294 294 294 1 8930 94 8930 94
29594 37498 33143 27746 00544 29657 71142 55966 95405 12022
41279 02153 81421 58190 46311 14933 30080 25660 33382 89784
70214 95426 92859 23351 77037 05881 20308 58086 93835 92948
52876 88137 15624 31882 92580 71468 91635 29082 10778 74342
42369 30605 88631 38362 30991 44089 30599 26442 10359 91224
01336 70170 86297 24960 49415 35868 10995 85928 70495 11719
40987 46342 24108 36836 05202 17107 24113 31709 20132 11217
20389 08551 71202 70907 43970 81897 17198 82468 64693 56043
50391 56535 05013 95834 06804 70038 46937 90620 84532 86537
84531 58810 27342 01439 000 000

12214/11014/9914 kHz, 2110/2130/2150 UTC**12214/11014/9914 kHz, 15-08/18-08, 2110/2130/2150 UTC**

209 209 209 1 1613 83 1613 83
48407 30310 88894 49906 71684 52770 86882 92119 58817 67642
63889 60845 28934 23683 56285 00126 80863 09075 24604 26643
12212 30482 01629 58292 99211 72691 54784 12272 27273 91739
14179 57244 77482 40955 36911 40708 38945 30919 38818 01068
55256 60151 37391 74612 54091 81678 55339 35200 59204 06006
05776 02512 17241 80374 80083 86337 78845 51049 28843 33812
98349 06273 40072 44146 75793 61061 75581 12547 05610 77904
93013 30123 85968 94840 74935 40301 03930 46879 98048 74197
83149 46530 49109 000 000

11148/10648/9148 kHz, 16-08/18-08, 0700/0720/0740 UTC

061 161 161 1 217 106 217 106
 12021 47366 45730 59249 18860 69412 50049 52399 62576 83473
 64233 49330 28314 28647 11609 02569 85080 14779 03726 61194
 04981 16948 77477 32695 62778 02203 31678 02321 35895 84730
 08396 08002 10573 33334 86357 84667 62796 93096 63274 40884
 83227 45351 55926 85835 86149 80811 39267 06603 68148 05398
 82457 47496 36478 02459 68935 50228 48319 47664 16441 26000
 77229 08456 79808 24985 89452 64628 89239 24211 69132 29203
 68125 18984 91986 64289 82127 47572 70408 41645 77621 52432
 85098 97111 79087 25671 09665 60569 37600 55790 03108 85912
 30118 67408 75952 69946 03420 63692 91130 45591 74515 15643
 52263 61973 34363 19675 35456 53071 000 000

11148/10648/9148 kHz, 23-08/25-08, 0700/0720/0740 UTC

161 161 161 1 146 128 146 128
 89349 79086 74247 56931 43725 35550 48694 51517 60104 70588
 14976 33180 60571 55593 36812 68175 30459 38533 30113 90494
 12749 84540 30891 99182 99464 94407 45844 91356 15265 16485
 30345 68516 23209 36204 93453 36475 59128 36801 03020 85486
 28235 47320 20775 15147 33931 09534 29791 98552 12867 26898
 89378 64267 93541 04645 34903 49882 53918 43479 31009 49456
 21311 24945 51274 43836 22290 79281 21108 99540 62906 80270
 47955 51127 81990 50390 93486 51384 72239 01370 75430 68171
 14284 05469 53446 35397 15099 71259 58406 35753 27528 76755
 90493 82506 64086 40356 98992 12601 45517 73046 42632 65448
 13841 21423 66276 99768 13010 88188 57909 41992 40872 08839
 39945 17581 68644 62440 75749 21239 82941 17105 89595 34475
 04402 02650 37676 82365 54253 56784 92570 54745 000 000

11148/10648/9148 kHz, 30-08, 0700/0720/0740 UTC

161 161 161 1 394 144 394 144
 88164 46524 56308 49672 20816 47157 41418 20835 10573 33709
 14839 34566 49808 33553 15824 10888 12218 95364 91098 67860
 80128 73679 60656 64528 48528 98197 52743 16421 61521 25902
 69696 78787 62367 83683 67893 75923 72491 88290 88784 85630
 25542 35807 72461 60702 16254 23875 07086 36078 91335 64783
 19208 10998 38817 56949 73495 29496 85309 86859 68958 12270
 79778 06473 02354 11830 39599 27785 81625 31386 28510 82183
 57200 07813 83764 24647 64195 41007 14107 23049 56527 10694
 95563 48159 57560 49891 59923 23268 07731 59662 92067 50154
 20116 08401 27388 71946 03626 18035 77313 29477 30200 56507
 93182 31016 98484 86983 20960 89713 89952 43543 91147 81773
 04800 22046 94325 77036 35046 73472 23487 37896 97961 69255
 65134 69837 30006 52303 61400 30678 42218 64326 55892 31506
 31014 77028 51057 47969 78340 91477 94196 93265 92982 01768
 44907 80121 97668 16091 000 000

M14

The mess continues. Many wrong group counts. Are they doing this on purpose??? Besides that they often skipped the 2nd transmission.

1 and 2 August: nothing heard

12211 kHz, 03-08, 0500 UTC Carrier only. Off at 0515z

10243 kHz, 03-08, 0520 UTC. Carrier only. Still on at 0540z when I stopped monitoring

12211 kHz, 04-08, 0500 UTC

952 408 408 52 52 = =
 97400 63514 71132 17536 31471 37507 08418 86168 13700 84127
 19590 35801 47802 69781 50814 42931 19653 15813 43654 64576
 35320 32413 23352 73405 65438 84259 45792 86315 56877 92587
 26598 03664 97624 03371 00792 01325 45837 76305 86464 42768
 58979 74285 50879 03347 84008 58040 02457 23978 94521 15656
 57083 36403
 = = 408 408 52 52 (no closing nulls)

10243 kHz, 04-08, 0520 UTC

Briefly 952 in inverted morse, then off. Back at 0525z with inverted morse. Off at 0533z

12211kHz, 05-08, 0500 UTC

952 163 163 52 52 = =
 32277 16982 08691 30450 91771 68266 61427 11951 69416 13187
 98320 01900 66883 39961 34749 23677 08228 80357 62046 71417
 26547 86761 51596 24284 038 off

10243 kHz, 05-08, 0520 UTC

No transmission

12211 kHz, 08-08, 0500 UTC. Wrong group count**10243 kHz, 08-08, 0520 UTC. Correct group count**

952 407 407 54 54 = = (0500z)
 952 407 407 52 52 = = (0520z)
 32277 16982 08691 30450 91771 68266 61427 11941 69416 13187
 98320 01900 66883 39961 34749 23677 08228 80357 62046 71417
 26547 86761 51596 24284 03875 75364 89496 13525 75220 90138
 15225 09542 32718 67317 62742 21186 90804 05033 27484 24431
 98370 67835 07658 62639 08826 80750 93303 85592 44004 92575
 01539 19483
 = = 407 407 54 54 00000 (0500z)
 = = 407 407 52 52 00000 (0520z)

12211/10243 kHz, 09-08, 0500/0520 UTC

Nothing heard

12211 kHz, 10-08, 0500 UTC. Wrong group count**10243 kHz, 10-08, 0520 UTC. Carrier only. Off at 0525z**

952 714 714 53 53 = =
 06207 96854 37097 82209 96840 88118 24008 70417 09580 27401
 83804 13568 82394 57951 74697 87550 93935 43990 47649 71466
 36155 02589 49514 82086 80397 02833 62612 90455 54116 18210
 10408 69047 70443 43153 83993 42934 77761 09691 69064 43392
 21491 65119 78061 87389 35273 96660 17184 31386 03730 14022
 42950 72892
 = = 714 714 53 53 (no closing nulls)

12211 kHz, 11-08, 0500 UTC. Wrong group count**10243 kHz, 11-08, 0520 UTC. 952 (R4) off. Several restarts. Only 942 was senty. Off at 0533z with 00000**

952 860 860 54 54 = =
 99783 90627 08411 66023 77100 70117 61289 62146 89299 53784
 16701 43264 08455 83711 68647 72238 88111 98800 42454 04871
 28152 77819 03820 03909 88574 27098 91014 68775 81905 61284
 12403 91962 98892 50601 76496 78014 47199 33048 46708 86055
 07770 14981 37998 81782 38559 08509 97606 09872 80309 79145
 37057 22736 44075
 = = 860 860 54 54 00000

12211 kHz, 12-08, 0500 UTC. Wrong group count

10243 kHz, 12-08, 0520 UTC. 952 (R) three restarts. Off at 0525z

952 173 173 52 52 = =

23883 54861 09322 24715 68335 00678 63517 57876 28155 85367
92550 19135 55839 35349 23210 70552 81261 62763 05050 40309
10377 27726 65382 12436 87685 19425 58519 95759 14668 17002
13932 81460 41347 16157 13028 66108 73195 32416 49231 70791
60558 16991 51041 75197 62783 46181 72779 90064 04242 70241
82688

= = 173 173 52 52 (no closing nulls)

12211 kHz, 15-08, 0500 UTC

10243 kHz, 15-08, 0520 UTC. No transmission

952 460 460 52 52 = =

31731 75799 30726 81431 56071 63580 41356 99752 06253 70929
78177 73606 71030 06240 81282 69052 83701 26017 58264 24425
12776 31963 88413 65052 04304 26369 18410 75490 11797 05490
47967 21464 74695 95599 28844 38703 31299 61411 25685 30864
77107 41538 12101 43717 04517 90702 00452 07788 84790 33368
28755 66652

= = 460 460 52 52 (no closing nulls)

12211 kHz, 16-08, 0500 UTC

10243 kHz, 16-08, 0520 UTC. No transmission. Carrier only

952 387 387 51 51 = =

31731 75799 30726 81431 56071 63580 41356 99752 06253 70929
78177 73606 71030 06240 81282 69052 83701 26017 58264 24425
12776 31963 88413 65052 04304 26369 18410 75490 11797 05490
47967 21464 74695 95599 28844 38703 31299 61411 25685 30864
77107 41538 12101 43717 04517 90702 00452 07788 84790 33368
28755

= = 387 387 51 51 (no closing nulls)

12211/10243 kHz, 17-08, 0500/0520 UTC. Wrong group count

952 146 146 54 54 = =

40440 70215 35962 42305 53533 89362 02731 44516 72333 51686
03919 38046 76647 50244 49901 75228 05469 41593 06449 74839
77254 15953 89279 13592 41170 22148 32535 87262 76469 33278
60866 89886 82210 64044 19827 84455 24492 75675 44246 63551
33393 29389 69285 23368 66814 74321 13855 99544 83390 80878
91079 38252 91684

= 146 146 54 54 00000

12211/10243 kHz, 17-08, 0500/0520 UTC. Wrong group count

952 146 146 54 54 = =

40440 70215 35962 42305 53533 89362 02731 44516 72333 51686
03919 38046 76647 50244 49901 75228 05469 41593 06449 74839
77254 15953 89279 13592 41170 22148 32535 87262 76469 33278
60866 89886 82210 64044 19827 84455 24492 75675 44246 63551
33393 29389 69285 23368 66814 74321 13855 99544 83390 80878
91079 38252 91684

= 146 146 54 54 00000

12211 kHz, 18-08, 0500 UTC

Carrier till 0710z then

03267 79580 86214 72063 26553 59437 22057 31246 08157 25099
84565 44768 30566 60653 27455 22588 25484 09176 63826 93852

= = 807 807 54 54 (no closing nulls)

10243 kHz, 18-08, 0520 UTC

952 in inverted morse till 0522z then off

12211 kHz, 19-08, 0500 UTC

10243 kHz, 19-08, 0520 UTC. No transmission

952 134 134 51 51 = =
38890 98386 08159 93665 05546 17155 13703 01306 50263 08004
77599 35740 30694 18935 13557 09044 99865 53349 04864 44086
79226 29002 67910 35874 84121 99163 26741 68078 25159 53175
84577 14414 33884 38587 03267 79580 86214 72063 26553 59437
22057 31246 08157 25099 84565 44768 30566 60653 27455 22588
25484
= = 134 134 51 51 (no closing nulls)

12211 kHz, 22-08, 0500 UTC

10243 kHz, 22-08, 0520 UTC. No transmission

952 670 670 52 52 = =
63755 95020 47944 26128 62853 90278 45239 28490 08308 56753
28618 75306 66511 40941 78187 80271 46732 68155 90411 50188
80425 57853 48490 05618 68223 77339 84630 61000 24295 82292
76409 75186 72746 17533 44395 08312 75763 76493 43228 45968
98186 42816 63354 76582 38187 62508 85579 32989 78751 20118
55649 33971
= = 670 670 52 52 (no closing nulls)

12211 kHz, 23-08, 0500 UTC

10243 kHz, 23-08, 0520 UTC. No transmission

952 381 381 52 52 = =
87515 07194 61553 37350 82054 87828 21133 00785 44388 12685
48357 36677 47999 77955 43108 14044 60997 14299 84243 29981
57904 14522 11744 39153 60838 08229 43723 57589 52272 94382
82987 14245 26569 67721 92840 48749 72468 99944 46801 78778
03720 61636 81948 85501 80051 95844 10559 90526 85652 79250
69732 22790
= = 381 381 52 52 (no closing nulls)

12211 kHz, 24-08, 0500 UTC

952 (R) Restart at 0904z. Off at 0910z

10243 kHz, 24-08, 0520 UTC

952 (R) Restart at 0524z. Off at 0524z. Restart at 0527z. Off at 0531z

12211 kHz, 25-08, 0500 UTC

10243 kHz, 25-08, 0520 UTC. No transmission

952 830 830 67 67 = =
43624 26637 67483 31612 31652 53368 17224 76258 12225 31119
21313 77989 50269 83024 62993 65793 29566 97205 03932 28350
70250 33008 09187 07631 40551 98436 28138 72277 67447 22221
48552 56712 75952 68947 65991 76900 11685 70692 35731 58712
26437 73596 99394 39824 31413 22824 03473 31086 47838 34327
51933 48307 09607 26880 60094 50377 97681 12787 01959 44691
10910 70732 68190 45773 02957 49192 76924
= = 830 830 67 67 (no closing nulls)

12211 kHz, 26-08, 0500 UTC

10243 kHz, 26-08, 0520 UTC. No transmission. Carrier at 0523z. Off at 0724z

952 741 741 54 54 = =
79346 10031 29781 01809 61463 47958 99776 71827 03061 69990
62893 65775 32493 54996 73911 34684 65550 60016 83525 34533
69700 35261 82130 88961 96412 79461 45281 60282 54979 02722
16737 08484 26278 89088 90051 42909 39911 76014 74629 96299
63171 92900 57195 75884 75248 25908 94608 71213 25137 01232
98967 23414 96666 04011
= = 741 741 54 54 (no closing nulls)

12211 kHz, 29-08, 0500 UTC

952 608 608 54 54 = =
 09830 69999 54164 30252 05486 73051 79894 44368 68932 82246
 23850 44966 30605 56956 93899 01436 62714 59588 83789 66079
 19628 01208 20015 02211 47088 31401 29881 18206 21221 77064
 54190 24695 03267 59804 53001 57095 20970 46639 77883 30658
 12568 13689 09122 20220 94311 27542 81295 81854 37466 73985
 45674 58603 65712 88781
 = = 608 608 54 54 00000

10243 kHz, 29-08, 0520 UTC. 952 in inverted morse. Normal at 0521z. Wrong group count

952 608 608 **55 55** = =
 09830 69999 54164 30252 05486 73051 79894 44368 68932 82246
 23850 44966 30605 56956 93899 01436 62714 59588 83789 66079
 19628 01208 20015 02211 47088 31401 29881 18206 21221 77064
 54190 24695 03267 59804 53001 57095 20970 46639 77883 30658
 12568 13689 09122 20220 94311 27542 81295 81854 37466 73985
 45674 58603 65712 88781
 = = 608 608 **55 55** 00000

12211 kHz, 30-08, 0500 UTC**10243 kHz, 30-08, 0520 UTC. No transmission**

952 314 314 55 55 = =
 46670 24170 84293 99515 31104 03658 50667 87681 11527 94268
 98826 67206 18701 57495 49697 84974 73363 03547 61907 47095
 45867 58279 10225 29825 04584 73985 83231 86695 45274 44960
 04926 75264 18590 13798 09932 51932 97917 79343 27016 08267
 54739 42241 50593 47262 33698 49024 04898 22988 44560 20668
 30533 92040 13261 76564 48057
 = = 314 314 55 55 (no closing nulls)

12211 kHz, 31-08, 0500 UTC. Wrong group count**10243 kHz, 31-08, 0520 UTC. No transmission**

952 678 678 53 53 = =
 46670 24170 84293 99515 31104 03658 50667 87681 11527 94268
 98826 67206 18701 57495 49697 84974 73363 03547 61907 47095
 45867 58279 10225 29825 04584 73985 83231 86695 45274 44960
 04926 75264 18590 13798 09932 51932 97917 79343 27016 08267
 54739 42241 50593 47262 33698 49024 04898 22988 44560 20668
 30533 92040
 = = 678 678 53 53 (no closing nulls)

M51a / M51b**M51b: 3881//6825 kHz, 06-08, 0630 UTC**

Non-stop 5-character groups composed of M51a messages.
 The spaces between the messages were added afterwards

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
 IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
 OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
 LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH
 YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
 GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

GDJSF WHQGF XVCHR LAHJD XJHDG QLAMO MAJKF YHDSJ WBSKA UJDHS
 LAPMD WJNXV DGRTS AUJDK 56287 WBCJD AJHDU 78352 WBXVC YHDGS
 WBXLA PMQKU YHDKQ LAPOI BXNWJ THSUZ QHAGU JDKSI 67389 UJDHS
 YHLP A WJQKA MLGHD JQKYH XVWOL YHSJE 63528 HNXJD SKZUA PMAJG
 JOALK XNBWJ SJHQL MAPKI HDJRT SGDFX MQPAU 56483 GVXHS WBSJZ
 IKAGH WBHDL AOKSH QMAPH WBXHR SHZYA 67382 VWBXH SJZUA QJAHG

AISKQ WNXVD WJAKL PMIJH WNBXH FGRYD XVCHZ KLWXO ZPLIK DFSZJ
 TGDIZ WKSUG 46382 PMDHZ HJDKZ WBXHF RYHFK ZUJAK LDHCV XBFGR
 IKFOL SLAPM XBCVF RTDGS 27549 JNWKZ AUJDO 53793 KDHCV XBZYS
 PLDJT XNDGZ JKSIL WBXCD ZHGSK ZUJAL 6374/ JNXKD XUJZO LWHNC
 UJDKZ LSHDP AMLXV DGXVR ZYHSJ AKJHD BXNRY ZHSKZ 37628 BWNJK
 KLFGC VXKZL SMAPN BWNSJ KAIUH BXFDT ZUJSL AOLFG XVDHR SHNZI
 IKDGC WNSJZ UJAKL SHNXY TGDOK WLAPM DUJXV BDGRT 53872 BWNGR
 YHDKZ YHDKZ WBXJZ AUJDL WBNCH FTCSJ AMPLH JNXOE STGZJ WBHDK
 ZLKGH UJDHT WCXVF 86364 SHGDU 5637/ BNXJD SKAOP MWSGZ AUJHD

PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
 PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
 YHDKZ WBXVF CJERZ QJAKO MLDHB NNBWJ 67354 IKDHX 65372 NWJAL
 PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
 UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON
 PMFHC VXJZI SKAPL NXJFY WCXVF SHZYU QJAIK 76491 NVXBF YHFKC
 PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
 IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
 OLFHR VXSBS 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD

JKQNH VXBBD EYSUA WBDHR QKALY VCGRY WNDHR QKNWJ AJAOK UJAOK
 QMAUJ YHDTG WVQHA ZUSHL AIKDH 35281 BXNDH QMAJK NBCGD XHETS
 QJSGZ UJGHC ETSCX WBCGZ AUJSK QKLWP 53829 NXBDJ SWBQK LAPMH
 NCJDU YHDIK 16738 NXDZH UJQHW 1764/ NCJDU HQKAZ BXGDJ QKALI
 HNQGB IKJNH XVSHZ QBWNA YTDGS WBQJU AKHDK LQMAP NBXHD YHSJZ
 53803 YHDXG //ZSP JNCGD XHNSJ AUJQL ZUYRT 37264 HBXND KAYSL
 QMAPO CDHZZ WNQFG DFVXU ZJSKA off

M51a: 3881//6825 kHz, 06-08, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
 JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957
 VXSGW ., 'ASVA QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI
 10369 VXSUW 'AS?. , TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ
 MNKHJ 47850 BQTBS VAAS/?. XCZPQ MLHPI XASQW LCMEY RGSGW XCADQ
 PLKMO ZXCVD 75301 XUWDL ./?, = PLOIU BVDGW QTYRE ZXQWU PRUTY
 BDGRT XCSRW OKRYU 85247 GRWTJ /?. , ' FBFBI PLOIU VZBQI ETFGR
 'AS./? NVDME 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ
 BDGVX 50369 QAVNR 'VA+.? CBXZN MLFKE CALSD ETFUB +

SAMEDI 1/ LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =

LA COMMUNAUTÉ NATIONALE CONNAIT VOTRE COMPÉTENCE ET LES ÉMINENTES QUALITÉS NÉCESSAIRES À L'EXERCICE DU MÉTIER DES ARMES. ELLE DOIT AUSSI MESURER LES RISQUES QUE VOUS PRENEZ, LA PASSION AVEC LAQUELLE VOUS REMPLISSEZ VOS MISSIONS, LES RÉSULTATS QUE VOUS OBTENEZ SUR TOUS LES THÉÂTRES D'OPÉRATIONS. JE M'Y RENDRAI PROCHAINEMENT POUR MIEUX CONNAÎTRE, SUR LE TERRAIN, LES FORCES ET LEUR ACTION. JE M'INCLINE DEVANT LA MÉMOIRE DE CEUX QUI ONT DONNÉ LEUR VIE AU SERVICE DE NOTRE PAYS. JE TIENS AUSSI À ASSURER DE MA SOLIDARITÉ TOUS NOS BLESSÉS, QUI PORTENT DANS LEUR CHAIR LES TRACES DE LEUR ENGAGEMENT, ET LES FAMILLES DE CEUX QUI ONT ÉTÉ ÉPROUVÉS. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 06-08, 0744 UTC

Non-stop 5-character groups composed of M51a messages.
 The spaces between the messages were added afterwards

GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGRTC XVQJA JUHKD
 VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO
 YHDTG XVSFE ZHJJA KJQUH NWJFG HRTYU SKLOI MQPAZ BHPAK UJDGC
 45270 37658 XVCBD WNQHA JKQLA MPLIK JNDGR VXGQJ HDKRT UJFHV
 BCNXH WJQKZ KALMP OIRTD FHCXV 01878 DHNCJ SKRTZ SJWNQ HNGTR
 XCWVS QNBHA JQKAL MQLKO PAOQL NCHFG RTDFX WBQJH GBDJX

etc.

M51a: 3881//6825 kHz, 06-08, 09200 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156
PLOTI /-.VA' QEWSR CZXSA NVHFK QWRET UGTIO VCBGD MLGKT ZXADS
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMCKD ESVAZ QXDZA NBGHI
WERQY 96358 BVNVD ?.,/' VCDFH LKJMF WRETC ZAQXW BFGEU PLROU
CXFDE QWAEB 47859 BCDHE .+'AS/ EUFUS POTIY QWAES BCVDF ZCSQE
QAWEV NVHFK LBPNO 45632 WESKD ./,?AS QWAES VBDJK LPROF XCSVW
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?+.,/ CVDFG XASZQ MWNGJ
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK
CVDFB +

SAMEDI 1/ LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
DEPUIS PLUS DE DIX ANS UN ORGANISME D'ÉTUDE LE CENTRE DE RELATIONS HUMAINES EST CHARGÉ D'ÉVALUER LE MORAL DES
MEMBRES DE L'ARMÉE DE TERRE ET DE MESURER L'IMPACT SUR SES PERSONNELS DES DÉCISIONS MAJEURES QUI LES CONCERNENT,
EN COMPLÉMENT DES RAPPORTS SUR LE MORAL DONT LA PERTINENCE N'EST PAS DÉMONSTRER. BUREAU DE LA DIVISION
ORGANISATION-RESSOURCES HUMAINES DE L'ÉTAT MAJOR DE L'ARMÉE DE TERRE, LE CRH EST À LA FOIS UN ORGANISME D'AUDIT
INTERNE, UN OBSERVATOIRE SOCIAL ET UN CENTRE D'ÉTUDE ET DE SONDAGE, UNIQUE EN SON GENRE. FÉLICITONS SES
PERSONNELS. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 06-08, 1058 UTC

Non-stop 5-character groups composed of M51a messages.
The spaces between the messages were added afterwards

CWXS D QGBAH DNXJR IKQLA PMOLI 19756 VXGDT ELAMP QNWJE DGFT R
IKUHY BCGDT ERXFS QJKLM APOIU NBVCX WGD FE QJAUY ETSFX WBSHA
OLAPM NWJDT DFEYZ 37628 NWBXC DFSTA 18649 NXJDY QKLIJ NBVGT
UJDXF WBCDF CHETZ QJHAU NWKJI SLQOP MAIUJ NDHXC FVXWL NQJET
YUETF CBXHD SJAIN 46392 JNXHR WXQKJ LMAPO NJHGY BCHDT WJHSU
UJIKO QLAKI JNHYT BCDVR SKLQP AUJXC VQHUE BXUET YAHSK 67494
QMAPY JKGFT CVXBD SFAUJ QKLPA MQBXH CVDTE SHJUY NWKQL AMZHA
JNHDF ETXCW WXHSZ VBQHA NJKHM POIUY UHDFE XVSFG 45673 UJGDT
VCD FE SCWXQ BHJUI LKAMP NXMQO BCJFT XJQUE DGXUA ZHJSF

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
IKOLE SGAUE XVSQG WNDXC DFEJQ LAMPW 36278 BXH DU ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
IKDGR FHBCV DDFDF ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFT R
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 SGETF XBDGE XGSTE ZHU AJ QKAI O 46378 45381 SUJAU OLETD
QML O 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG

SHDJE SHQLA ZOLDH XVCJS WNXHF CVRTD XKALP DLMSH BCJTG FHBCN
XJQKZ PMHGB CNXJD RTGFO NCKSK WLSUZ QKAZP HBCNJ XBFGT 56382
BWNHZ USKWL ZLDGC VJRYD XBSJZ QHWPB AMLKF 56820 18362 LWNCD
DJSKZ IKDHC VXBSJ AKLSM WNQKD HNCJF KXLSI JQNWK ZUJDO ALDMP
IKFHC BXJZU SHQKZ 3872/ 01853 DHNCB XJSUR ZLKSH WNSJZ AKPDH
UJDGB CNXJS ZUJQK ALMDP IKFHC BXNFT RGSZH JWNQK ALPDG CPAJB
PMFHC EYSUZ 36280 UJSHN BCJRT 4628/ JNCJD SKAIU DHSVC XNWPC
MZUJG MQJNC BXJRT DGSZH QJNBH XKWNZ UJQKA ZOLGH CBVUT YHFGD
XBSJZ IKFHC XBDJS ETDGZ APLSJ NKXVC WKLDU 46289 RUJFH CBXND
RYGFV PDFCO KNVJF CHVJR SHNCJ XNWJZ AUJDH XVQBO KLDJS UJDGC
XBSUA PLFHC ZUJHC XBSJZ 37286 AIKDH BXS NH ETSYZ QJAKO LDHCT
XBSKP

etc.

M95 - Chinese Military

4243//9054 kHz, 02-08, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 02-08, 1148 UTC, M95: CW

VV HR MSG TO UR PSE CY

NR 020 CK 17 35 0802 1526 =

5AA UTT TTU 3U6 3A4 5T7 5TD 5TN 5AA 75U

353 U4T 35A 4TN 445 3DA 4D3 AR

MSG AGN

NR 020 CK 17 35 0802 1526 = (Repeats message)

AR A HR MSG GA

NR 04 CK 113 35 0802 1535 =

UTU TTU 3U6 3A4 TTU N44 5AA 75U 35A U4T ...

4364 kHz, 02-08, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364 kHz, 02-08, 1137 UTC, M95: CW

V BNGC (x3) DE XSV85 (X2)

HR MSG GA PSE CY

NR 682.... 70 CK 180 35 0802 1 EEEEE

NR 0571 CK 181 35 0802 1658 =

TTU 3A6 3.3 ...

UM04 - PROMRÖ

Unid Bulgarian station. Most likely military

Often too weak to copy.

No Transmission on August 17th

4735 kHz, 11-08, 0700 UTC

VVVVV PROMRÖ = 11 08 =

1000 0640 0680 0790 1230

1200 0660 0690 0800 1260

1400 0660 0690 0800 1250

1600 0650 0690 0800 1170

1800 0630 0660 0770 1080

2000 0720 0740 0840 1150

2200 0660 0690 0780 1060

2400 0570 0590 0660 0880

0200 0490 0510 0560 0740

0400 0440 0460 0510 0680

0600 0480 0500 0590 0830

0800 0590 0630 0730 1070

= ABV =

VVVVV PROMRÖ = 11 08 =

1000 0640 0680 0790 1230

1200 0660 0690 0800 1260

1400 0660 0690 0800 1250

1600 0650 0690 0800 1700

1800 0630 0660 0770 1080

2000 0720 0740 0840 1150

2200 0660 0690 0780 1160

2400 0570 0590 0660 0880

0200 0490 0510 0560 0740

0400 0440 0460 0510 0680

0600 0480 0500 0590 0830

0800 0590 0630 0730 1070

= AR

4735 kHz, 13-08, 0700 UTC

VVV VVV PROMRÖ = 13 08 =

1000 0640 0680 0800 1230

1200 0660 0690 0800 1260

1400 0660 0690 0800 1250

1600 0660 0690 0810 1170

1800 0640 0670 0780 1090

2000 0720 0750 0850 1160

2200 0660 0690 0780 1060

2400 0560 0580 0640 0860

0200 0480 0500 0550 0730

0400 0440 0450 0510 0680

0600 0470 0500 0580 0820

0800 0590 0630 0730 1070

= ABV

VVV VVV PROMRÖ = 1308 =

1000 0640 0680 0800 1230

1200 0660 0690 0800 1260

1400 0660 0690 0800 1250

1600 0660 0690 0810 1170

1800 0640 0670 0780 1090

2000 0720 0750 0850 1160

2200 0660 0690 0780 1060

2400 0560 0580 0640 0860

0200 0480 0500 0550 0730

0400 0440 0450 0510 0680

0600 0470 0500 0580 0820

0800 0590 0630 0730 1070

= AR

4735 kHz, 16-08, 0700 UTC

VVV VVV PROMRÖ = 16 08 =

1000 0650 0680 0800 1240

1200 0670 0700 0810 1250

1400 0670 0700 0810 1250

1600 0670 0700 0810 1170

1800 0650 0680 0790 1110

2000 0730 0760 0850 1170

2200 0660 0680 0770 1050

0000 0560 0580 0640 0850

0200 0470 0490 0540 0820

0400 0420 0440 0490 0660

0600 0460 0490 0570 0820

0800 0590 0620 0740 1060

= ABV

VVV VVV PROMRÖ = 16 08 =

1000 0650 0680 0800 1240

1200 0670 0700 0810 1250

1400 0670 0700 0810 1250

1600 0670 0700 0810 1170

1800 0650 0680 0790 1110

2000 0730 0760 0850 1170

2200 0660 0680 0770 1050

0000 0560 0580 0640 0850

0200 0470 0490 0540 0820

0400 0420 0440 0490 0660

0600 0460 0490 0570 0820

0800 0590 0620 0740 1060

= AR

4735 kHz, 18-08, 0700 UTC
VVV VVV PROMRÖ = 18 08 =
1000 0650 0690 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1250
1600 0680 0700 0830 1170
1800 0660 0700 0800 1130
2000 0720 0770 0870 1190
2200 0660 0680 0780 1060
0000 0550 0570 0630 0840
0200 0470 0480 0540 0710
0400 0430 0440 0490 0660
0600 0460 0490 0570 1040
0800 0600 0630 0740 1170
= ABV
VVV VVV PROMRÖ = 18 08 =
1000 0650 0690 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1250
1600 0680 0700 0830 1170
1800 0660 0700 0800 1130
2000 0720 0770 0870 1190
2200 0660 0680 0780 1060
0000 0550 0570 0630 0840
0200 0470 0480 0540 0710
0400 0430 0440 0490 0660
0600 0460 0490 0570 1040
0800 0600 0630 0740 1170
= AR

4735 kHz, 20-08, 0701 UTC
VVV VVV PROMRÖ = 20 08 =
1000 0660 0690 0810 1230
1200 0680 0710 0820 1250
1400 0700 0730 0840 1240
1600 0690 0730 0840 1190
1800 0680 0710 0820 1150
2000 0760 0790 0890 1210
2200 0660 0690 0780 1060
0000 0550 0570 0630 0840
0200 0480 0500 0550 0830
0400 0440 0450 0500 0670
0600 0460 0490 0570 0820
0800 0600 0640 0750 1080
= ABV
VVV VVV PROMRÖ = 20 08 =
1000 0660 0690 0810 1230
1200 0680 0710 0820 1250
1400 0700 0730 0840 1240
1600 0690 0730 0840 1190
1800 0680 0710 0820 1150
2000 0760 0790 0890 1210
2200 0660 0690 0780 1060
0000 0550 0570 0630 0840
0200 0480 0500 0550 0830
0400 0440 0450 0500 0670
0600 0460 0490 0570 0820
0800 0600 0640 0750 1080
= AR

4735 kHz, 22-08, 0700 UTC
Very weak. Start unreadable. Several mistakes.
_____ 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1240
1600 0690 0720 0840 1180
1800 0670 0710 0820 1160
2000 0750 0780 0880 1200
2200 0650 0680 0760 1040
0000 0550 0570 0630 0830
0200 0480 0490 0550 0720
0400 0430 0450 0500 0670
0600 0460 0480 0570 0810
0800 0600 0630 0750 1080
= ABV
VVV VVV PROMRÖ 22 00000 86 =
1000 0650 0710 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1240
1600 0690 0720 0840 1180
1800 0670 0710 0820 1160
2000 0750 0780 0880 1200
2200 0650 0680 0760 1040
0000 0550 0570 0630 0830
0200 0480 0490 0550 0720
0400 0430 0450 0500 0670
0600 0460 0480 0570 0810
0800 0600 0630 0750 1080
AR

4735 kHz, 23-08, 0702 UTC
VVVVV PROMRÖ = 23 08 =
1000 0650 0690 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1240
1600 0680 0720 0840 1180
1800 0680 0710 0820 1150
2000 0750 0770 0880 1200
2200 0750 0670 0760 1040
2400 0550 0560 0630 0820
0200 0480 0490 0500 0720
0400 0430 0440 0500 0660
0600 0460 0480 0570 0810
0800 0600 0630 0750 1080
= ABV =
VVVV PROMRÖ = 23 08 =
1000 0650 0690 0810 1230
1200 0670 0710 0820 1250
1400 0690 0720 0830 1240
1600 0680 0720 0840 1180
1800 0680 0710 0820 1150
2000 0750 0770 0880 1200
2200 0750 0670 0760 1040
2400 0550 0560 0630 0820
0200 0480 0490 0500 0720
0400 0430 0440 0500 0660
0600 0460 0480 0570 0810
0800 0600 0630 0750 1080
= AR

4735 kHz, 29-08, 0700 UTC
VVV VVV PROMRÖ = 29 08 =
1000 0640 0670 0790 1220
1200 0650 0680 0800 1240
1400 0680 0710 0820 1230
1600 0680 0710 0830 1170
1800 0660 0690 0800 1140
2000 0730 0760 0860 1170
2200 0620 0650 0740 1010
0000 0510 0530 0590 0790
0200 0450 0460 0520 0690
0400 0410 0420 0470 0640
0600 0440 0470 0550 0790
0800 0580 0620 0730 1060
= ABV
VVV VVV PROMRÖ = 29 08 =
1000 0640 0670 0790 1220
1200 0650 0680 0800 1240
1400 0680 0710 0820 1230
1600 0680 0710 0830 1170
1800 0660 0690 0800 1140
2000 0730 0760 0860 1170
2200 0620 0650 0740 1010
0000 0510 0530 0590 0790
0200 0450 0460 0520 0690
0400 0410 0420 0470 0640
0600 0440 0470 0550 0790
0800 0580 0620 0730 1060
= AR

4735 kHz, 30-08, 0702 UTC
VVVVV PROMRÖ = 30 08 =
1000 0630 0670 0790 1220
1200 0650 0680 0800 1250
1400 0670 0700 0810 1240
1600 0680 0710 0820 1170
1800 0660 0690 0800 1120
2000 0720 0750 0850 1170
2200 0620 0650 0740 1010
0000 0510 0520 0580 0780
0200 0450 0460 0520 0690
0400 0410 0420 0480 0640
0600 0440 0470 0550 0790
0800 0580 0610 0730 1060
= ABV =
VVVVV PROMRÖ = 30 08 =
1000 0630 0670 0790 1220
1200 0650 0680 0800 1250
1400 0670 0700 0810 1240
1600 0680 0710 0820 1170
1800 0660 0690 0800 1120
2000 0720 0750 0850 1170
2200 0620 0650 0740 1010
0000 0510 0520 0580 0780
0200 0450 0460 0520 0690
0400 0410 0420 0480 0640
0600 0440 0470 0550 0790
0800 0580 0610 0730 1060
= AR

DIGITAL MODES

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

M42 – various modes

14645 kHz, 05-08, 0720 UTC, OFDM-93
18241 kHz, 09-08, 0755 UTC, OFDM-112
13395 kHz, 09-08, 1538 UTC, OFDM-112
12145 kHz, 10-08, 0748 UTC, OFDM-112
14424 kHz, 11-08, 0915 UTC, OFDM-112
14643 kHz, 12-08, 0615 UTC, OFDM-112
14643 kHz, 12-08, 0630 UTC, OFDM-112
18195 kHz, 18-08, 0922 UTC, OFDM-112
12226 kHz, 06-08, 0627 UTC, FSK 50/500
12164 kHz, 30-08, 1002 UTC, OFDM-93
12087 kHz, 30-08, 1005 UTC, OFDM-93

The following logs and comments come from Anon.

18241 kHz, 09-08, 0753 UTC, OFDM-60 (Apparatura-10) i.p. (2nd Tue)
14953 kHz, 10-08, 0843 UTC, OFDM-60 (Apparatura-10?) i.p. (2nd Wed)
12737 kHz, 19-08, 0900 UTC, OFDM-60 (Apparatura-10). Stations Лиса-71, Пудра-69 (Lisa-71, Pudra-69) (3rd Fri)
12102 kHz, 25-08, 1758 UTC, OFDM-60 (Apparatura-10) Ops (4th Thu)

Notes:

- Operators refer to the OFDM-60 mode as Apparatura-10 *)
- Apparatura-10 Central Hub is located near Savolenka, south east of Yuxhnov city
- All Apparatura-10 is OFDM-60 but not all OFDM-60 is Apparatura-10.
- One of their favourites is 14300 kHz USB in the 20m band, also 10-12MHz
- Savolenka isn't a known hub like Chita or Orenburg which are used by OFDM-45/OFDM-112, so it's probably not the same network
- Operator chats

*) Как меня принимаете?	How do you receive me?
Хорошо, как моя работа?	Okay, how me?
Вас хорошо, работаем.	You're good, it's working.
Аппаратура-10	Apparatura-10

Sources: RT101, Linkz and Anon

Domestic schedule -active list-

Monday + Friday	0600 UTC	OFDM-112	14643 kHz	Moscow <> Chita 15930 kHz
Monday + Friday	0830 UTC	OFDM-112	9950 kHz	Moscow <> Orenburg 10980 kHz
Tuesday + Wednesday	0830 UTC	OFDM-45	15680 kHz	Orenburg <> Chita 16310 kHz
Tuesday + Thursday	1000 UTC	OFDM-45	12164 kHz	Moscow <> Chita 13373 kHz
Tuesday + Thursday	1000 UTC	OFDM-45	15704 kHz	Moscow <> Chita 14441 kHz
Tuesday + Thursday	1000 UTC	OFDM-45	13540 kHz	Orenburg <> Moscow 12087 kHz

Source: Anon

14907 kHz, 14-08, 0749 UTC, FSK-CW/FSK 100/500

11100 80104 37425 14021 05009

89625 05260 37731 13802 98789 52216 13248 70367 53004 62536
 72710 65086 04157 92719 18917 38485 62570 05832 19457 14817
 56029 50392 19891 61699 96718 98808 56679 38521 92009 15055
 54306 25807 60025 42268 72033 52725 35939 77963 78713 64927
 79922 57550 99117 99912 22699 25830 88194 62088 09629 01182
 70714 14737 29266 62096 92728 31059 37330 10775 58282 71482
 12019 93456 49814 79438 01611 82175 55697 12773 50290 47631
 53330 52992 13130 77860 21246 59534 96173 22393 78655 61236
 82553 66588 75868 02206 30578 65835 84037 84272 54733 94296
 57648 73202 25529 87899 68208 60878 49135 86249 32558 00621
 12730 03150 84251 57839 06522 80437 61446 43206 58359 04791
 09721 20535 41880 92224 23285 06557 44132 69944 73002 04776
 03603 10250 94660 40593 54599 96176 35941 10291 38913 23570
 85513 18261 70706 69263 32698 73060 65553 80063 31132 95496
 69594 62220 64874 44904 49705 76077 40395 52436 30658 65575
 52874 46316 90176 77322 00264 15879 47849 48888 43527 06552
 08826 71028 36524 62993 48230 53527 73948 62560 47245 49334
 30779 06286 16780 16693 91662 59577 69689 23944 93687 59801
 27449 26690 30965 32954 72255 72018 94464 86595 80462 09451
 45545 71247 90311 13330 46613 27439 49176 46311 97347 60554
 60177 18658 49925 10767 13382 23029 01695 10097 67053 49435
 88719 43925 48360 10063 28649 59061 59202 28650 86333 85591
 54184 74093 60634 64680 48375 42992 15867 99510 40781 20795
 06301 71570 64494 76253 67174 89444 99426 68862 70641 62320
 08583 73974 70106 15389 83807 55282 81362 89322 11941 39343
 74001 91030 97323 71855 71497 87862 01582 60343 83431 62462
 86641 32973 18276 70452 71903 68155 50187 68137 41502 74640
 38238 02418 62624 26799 21527 80089 00773 84746 38606 58737
 42961 54038 44665 26386 64750 64589 24901 62120 02060 -3527
 27518 94840 13721 21652 64803 02352 45672 98206 55690 17976
 32763 93622 08279 36871 99087 44955 65723 39236 42797 03669
 63941 72613 16313 80486 74581 60443 37897 46962 31670 29092
 95501 98496 65400 70510 28842 08451 91476 82735 00634 28067
 29474 55403 92920 11881 48624 92473 89445 73304 64499 89349
 29986 00075 34993 06575 47608 84250 29069 07303 24760 46451
 66697 50727 29159 59020 53412 58650 15391 97798 57952 97382
 03181 77204 06387 42173 68253 48298 91195 16334 06732 64521
 18723 22263 59007 44801 43448 06556 04022 88708 62512 26376
 59898 23347 68933 09291 51848 86676 86953 23748 33317 76940
 37949 02385 71271 22904 10345 85354 31601 54573 31976 75869
 25544 79090 68321 25122 03090 91498 95054 88804 04293 75048
 28354 22387 04431 70752 41395 07358 13949 20858 00484 25608
 19131 15933 19246 24145 74423 00261 54322 37328 82364 15214
 31013 58813 22042 85310 92288 80385 12028 76627 09627 39880
 18721 82272 29102 45371 46041 14584 51158 67815 67400 08769
 67525 19343 85905 67643 03687 59379 33719 02180 40359 95786
 46508 47542 12414 73210 73947 59292 08677 65824 12175 19465
 21038 16657 69169 07194 16327 90679 98975 13568 29365 33865
 65706 05427 00665 55382 23279 67753 07177 75118 21801 79384
 59554 03735 76560 01693 64351 47417 60546 84958 74603

11100 80104 58436 14022 05009

IKGVI UFIWI HDONH RXLVF FSVXR CMLPH OYXST UKPBC TRHJS WPGYW
 SVLGT JYOLG YHVG F GQOD UJCLX ECHQU KYND WNNKQ CDDHL AHSOU
 LVVDL RWAXL VPUWE RMJAH PNEPQ ECOGF NIMJE TWFOF TRVYU DXPQR
 VCQFA IMHTD IFIDY NMHDV QYPAL JYQSG PXQYH RGFAT RAWPE VYFFE
 JFHKQ BRJWT CKDIM JTVCK WFFNF QIWM L MJNWD LMBUM EFLRS FCHBL
 DHCYB YUBWL GKDKX HGXYB GIQBE HXDUG NBKPY GRQGT AMVMR IPTFV
 NJRNC UOKYT VHGLG GDKKY CHS QS CIQEN AONJX PJIAU WUBXU KGNPT
 IHALC LCWBL RSCTY WAGNX RCPHW HJXGV QIUXU LBDAP MGYJI FYJFB
 PGVRW GQWTW GAXNM IIWNR LDYFG HCCEW YRSJO RHWGV IMPYK PEXNU

LXCMN VKHFT KHAUD SABFO JSXQD CJKWB JOPIM WYIYC WYWWC DCDGJ
 VTISC GBWKJ UGXU FBPQH XFVPD SIIYV GDIEF MWBBE NPIWJ FTQAD
 UWWEH UBOAC FMYNL MTCAS GAXVE NYTEN KBGSC GUDTQ OFIAJ NYRKG
 PUGTG NBOYQ RJCCM BGSMG VXRJA WIVJU JEPTD ALQBP VFXOT DAMTS
 UFDCH KVVQY CCLNH VIRTU JCAFK GYFNI OGUET GJAQD BFHTG OSIVX
 TNMOB RQIBL VGDFW TGHKB GHJOY LBYJH DCJOY POFCL EEHNO LXSLA
 MGNFG VYQUB KSXWV OSTHS EBKVY WNPGB NGRNN JHPBE FNMOQ GTTSP
 ALGIO APPGI RHWXT QIKDE PXQXS NAJAC HTODP FHJSM OALTL MUNAN
 HPBXF KPIGS UYUVW VOMDV NUVCF MHADA WFGUM KQWXM ACROY MAAIO
 JKWKC TFMWG FYFJM KYQLY WMMKP TOHBN CTFEJ QVFXF CNTHJ JKSHC
 VCDQE YSXSX DQWBO NIIHL NHXVT XWUIY BKS AU GEIPD RCOBX HHTRW
 BKLQX WFGV PCUHR DQIXG CDXLR QEXAN FDLXQ LVXMX CYMRT QAJAY
 JUKGB TVAQK ENHJM RPDVX DECAE HDMSC TBXIB MYSOV GRDOA VGHDL
 HKUNB GVBVA OHLIK LWNTB KJXSX QESDF NIYOL AVHQA RMWIB ODYCP
 SMAGM BPWIY OWQBA IFQJF PVGJV EGGVB FQHVC JTDVP RCTOR DTCKM
 QLTEA GGIHX SCAFE WMFMA IEEAM JHHCB OMTUC EFWPS XXMSS NGLBL
 IRLDJ IBJPQ YYLUW NOYYD DXOME WULOH RHBUM EQXJN GLWGY KHEBH
 FYUWD SKTDK MHNGE UNEAL YQFIM YHMGJ JTSPE FEREU TNLGQ HHWNA
 FUWMA BXTTD EPITA HVSUH XTFQE BFSXB EWQRT PPSOB WJPPR IOLIL
 RJPMI COPMI OABBN BWOKU CSMLA VDIOU UBCPP OFYST WDQHP VQNYT
 FUPLL MCWIM DROGV PSEIW YMSRM EBUNG LLJSK LYPOR VDCIU DLUGF
 LGTTP WMQKQ MUHTP RHRKB EPHLG PJJUP XSSYW EYWO PEKHA WEEGP
 IAUID JCQSC OGYBP SFCUQ YLJIY KSRST PMMQL YVPAS GXVXX TURVI
 MYWRF FOHDB INDBV GBCWQ HGUCJ RARNT EWAJT JNBEQ NRPQT VQBUO
 PRVUD FLKRX CNQTF STIMG QQSGP QWWEH VQHTP BNNBY YWIDB YBHXF
 EHKA EGSHEA BGLCH OHVCT NBIEI JHNQP FKJWQ YWCYN PMCGX WTSJF
 PDAHR TMRMO BTOCU TFGLC QSOLG OSOXL GENKC DJTNE ABNEY EAYRC
 ALRLQ MRNJX XVBCB VYBFQ NPKDI PGJIL JIHHG LVXVN JFVST HBGLF
 LCXIJ WVGFC VNFQ KGVNS HVKDS RHJCV VWUCK JXKMR QQQNX OAVTB
 GLVWE PNCGX MNDGN WCJDV UWHYO YXQTI LOBHM BODHB DWFOU TDXGP
 LJIFT UELFJ BLLKF FLSJM VLGEY VYTTC SBICV KSRAU RCLUG PJPDI
 PVBXU WDRIU XHLHO EAPTX JYTPF TXRLS DGIUS XRGVA BNQWV MEWRJ
 LOKYR IBQXG THHBP JQRTU WDBLI KPNHJ UPFKC AJEKS EGWSO CRWMB
 PSTBQ YVTTX GVIPM BELKN FBYU EGVVD AUSAR DXJOY QUQPI DSUHT
 CIXOF USGSX KFSKK IOIIV HKXYH VYFGV XQMBT GDNHJ QSURG DSQAC
 WDLGR UCWKJ JAJTG QHUME LMUVO NEYRC JJXEF TEKHY BMIYQ CUNVX
 LYJGH THAVR YVPRC VFSCLE LEUHT DTQIU GEPMR XHCPV UVGHM BLGYB
 LHOOH YMRMQ PWVXD NHLHJ HELTX YLWMA MJNXA RWBAN JFKUS OLELI
 VGEKB NHMPI FQIRA XPFQN XKUKH DKIQ TQUXGD NXXIQ UVGOK FVPNK
 FDGUD GVXAH EWSM BETIP BJOOU CFKKV FSJEX XJRNT IMVKH MUGHU
 LYETD BPLOC GFFNY FXUKP QRPUC LMHIN SQLCG BLJAR UEJWJ

in morse:

CFM NIL K

CFM NIL K

SK SK

10756 kHz, 26-08, 0800 UTC, FSK 50/500 inv (logged by Anon)

Pre-transmission signal, suspected callup/selcall/signalling system.

KGMAOBN (R2M10S)

(Messy in process, lots of QVE and QME in it)

ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL ZLHZL

F01 – FSK 200/500

15854/13543/11126 kHz, 03-08, 1850/1900/1910 UTC

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

F01 – FSK 200/500 via Cuba

16023 kHz, 25-08, 1909 UTC Broadcast from Havana

11076/9164/7316 kHz, 01-08, 1015/1025/1035 UTC

04450 58003 57158 02476 64803 20192 66217 18332 96782 43102
 93394 05141 24392 43796 84225 66720 22457 50095 21258 07981
 51342 17890 29324 55008 26127 20801 42621 84238 31205 66901
 07052 27890 16222 22169 16251 47862 34302 45369 04745 95273
 08499 64049 46672 97837 37404 46336 33519 42248 75853 48217
 29283 43780 51668 41002 26523 20286 04370 48645 51726 12764
 56806 49621 93422 19711 55625 23031 51502 37414 41526 43648
 31146 23407 35247 55564 29839 25238 50201 79140 90875 41777
 67716 30954 21810 09214 35807 61405 01289 28958 77422 39703
 22697 79624 19100 40895 48055 80277 75968 14630 70612 97145
 54042 40359 09571 10969 55725 98639 85364 87182 99487 13244
 48957 16126 89633 43753 63571 15450 97107 33335 62299 11923
 37266 41374 30034 44816 55572 15662 83142 58066 57123 83818
 45349 73383 40978 68644 43228 61512 25195 57083 69778 53824
 73533 77488 89490 61425 59759 64872 83363 93971 30478 18839
 57297 95386 52443 83870 62298 38650 55273 06675 99943 46861
 05523 50262 11538 32763 73026 69457 74391 73902 75479 77513
 53674 65630 12169 58534 83263 19117 22806 05386 74046 96573
 32391 87778 73085 00873 68057 80216 22114 61748 58817 04496
 88777 85763 54161 66440 69069 62237 22438 91566 84396 42317
 14966 89360 21707 33380 06790 00850 90128 75956 50050 09176
 92540 95361 00882 17827 35532 45213 05778 26251 26170 85046
 58379 57502 29027 59184 62597 17642 81897 69069 63031 91551
 93640 56245 28602 04869 72597 38164 00352 06720 58998 64013
 39333 52939 59830 82755 35546 94470 09565 40554 63833 00623
 05214 49792 97695 71883 89136 96846 16952 21970 78035 80833
 70182 33803 61585 00489 77900 19094 19124 31386 87373 36238
 27850 60666 15056 46186 60962 71487 37545 11007 99176 94354
 17017 64793 04059 67544 72068 11640 26614 73787 29908 30341
 49562 45419 20834 90526 86752 55163 00933 09906 88130 34762
 13937 07312 23720 88608 28182 31239 45044 94600 09600 68547
 47421 09385 16684 63040 81578 20177 28359 98586 88027 10357
 40711 26483 52618 31026 93489 41739 06728 95695 12338 37984
 20523 40321 77686 95662 62711 15845 56239 83229 25249 05455
 55996 76014 36414 83729 90750 22449 10711 59873 64993 12350
 09012 72216 15170 26936 07405 26168 68213 75270 98159 92825
 03312 46823 71269 10406 27828 34823 49987 55694 03317 10107
 78808 77716 82580 50145 87336 10783 43698 52920 78454 09133
 31960 90368 14261 70338 45654 81052 98187 39671 26635 86762
 76758 12606 41618 62729 09402 77667 65131 16137 79772 66787
 00066 52630 47021 05370 96761 15487 60429 79255 56568 47165
 85872 36411 00000 +++++

11076/9164/7316 kHz, 02-08, 1015/1025/1035 UTC

20678 59298 32068 32451 33103 35217 91084 76901 63419 33284
 44584 14038 66335 79248 57425 23697 93745 71146 87530 09232
 06135 05023 58263 78164 69611 28881 71928 28415 80785 35795
 19064 13531 86651 32115 63226 85348 91697 41706 05950 37552
 69387 32167 61569 98531 20244 73952 96594 47005 43688 68349
 13324 48826 15845 05227 82377 38427 90485 36523 53853 93319
 65306 76385 01776 75108 80729 63905 81539 35442 43402 37069
 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

56544 30059 03563 81116 46035 16293 20312 51267 21319 77746
 64775 19622 93565 92808 16567 97598 61639 39667 60935 57995
 97324 91175 06848 44166 84937 81692 64942 78507 57533 56831
 40022 43704 96868 42058 17794 35163 89334 91077 50532 08081
 55022 99928 71355 67569 92131 97762 91799 75294 03886 50195
 62387 71051 00171 36210 00868 32717 91051 84530 17819 23023
 14382 80397 94303 96581 64679 78699 91266 65599 15459 84385

95346 47726 52209 86105 30815 44466 58200 54001 92303 23590
20318 37604 78032 03997 47092 24763 28201 66448 16135 47548
98250 38621 93146 46063 21680 27913 89701 26102 42086 00440
51985 38101 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 03-08, 1015/1025/1035 UTC.

73327 50187 01225 84368 36177 82253 05624 01618 73207 93871
58848 57373 69978 16825 14710 70180 41661 14150 99302 00080
11278 90090 54528 34971 85304 86871 15703 47402 81330 41721
90428 57690 87444 02591 30932 64341 58061 25995 17038 27681
75849 05430 91976 17659 34466 03786 18220 61733 21778 88201
45510 53811 08258 90807 08293 10141 70248 43772 94730 83130
02767 62109 54483 69003 01563 72679 37448 70247 19087 12812
80641 98780 24084 47000 85418 30779 19477 75102 52202 49101
98252 30471 64930 34253 42006 91478 42391 89814 91865 54848
98639 13289 46454 44240 79691 48292 66599 52531 68659 79028
91460 41226 76551 52990 95778 45426 60889 42816 42920 57813
39348 83248 13407 90065 90607 44125 13634 35158 59594 25345
94433 78974 09305 84740 34207 34682 86401 34803 66280 98286
92767 69188 55197 48823 80194 04947 51616 41613 10419 51414
80513 68020 47664 41701 42376 80157 75899 87713 32063 03961
57986 44651 05039 89088 78908 95911 45650 69069 40278 94344
17149 30148 98285 20793 98127 12252 62309 45848 35089 90528
96347 05780 65791 10887 90467 28549 93105 77980 94475 70865
14030 19068 30963 52213 33581 72188 29950 96788 18225 72096
52292 19287 68555 32382 94038 15469 15895 47222 88949 43456
72503 61204 51329 06682 90099 80638 26389 74443 06356 24831
40316 00990 84084 40720 67232 29072 72772 29338 55239 88922
47180 57520 78731 28563 02667 53314 09167 36409 11951 08508
21480 42093 72978 36733 78331 06451 02594 60564 59372 36600
55698 26068 27718 87058 74585 68222 50816 32835 98138 75660
17899 25426 85581 28160 21196 67668 34461 05335 93118 68365
97564 89942 16576 62647 28446 14270 50631 08983 10246 23015
38671 98794 47517 51112 91286 39607 25707 39940 61048 97667
68017 40342 51363 10975 44305 75899 26596 08662 11729 64898
15658 97655 91815 24426 26230 02567 13648 05035 11822 69732
77837 29404 58853 71366 21009 33447 85940 70732 85435 33304
72573 34300 23557 66634 59379 01806 92039 81682 87156 50163
15072 72518 66861 12157 21596 83918 97741 35861 86141 34308
75805 95719 27965 30207 59801 91217 48183 70621 86914 94094
09568 64804 55351 30026 88721 11849 16009 05721 55286 15517
40414 17356 57907 32772 57115 01310 21610 79441 73727 13107
86294 41432 26799 45526 41035 64964 26706 21813 33861 24241
89750 24915 61716 89996 74652 48700 70284 47359 65624 82080
18360 36471 69217 61985 86462 14302 17123 56119 34374 61081
92113 61438 37289 79812 19331 29296 55269 62275 90073 53179
15679 19980 10306 79978 13304 03497 91059 39407 00000 +++++
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11076/9164/7316 kHz, 04-08, 1015/1025/1035 UTC.

41138 91542 15261 19606 31442 72961 76061 13153 51891 63674
96475 72012 42933 66574 69253 26416 63127 86450 53279 20468
56404 35013 42438 75221 61210 45392 81840 88576 03742 07040
86108 45431 42444 56986 39389 36520 55972 88377 81803 09388
91788 62235 11998 99925 17601 33385 60506 17909 42815 26466
13598 84983 02196 22993 92294 48525 18922 45379 16261 19815
89225 48878 07236 09975 55795 57362 11713 62086 62144 03897
47537 02946 05117 62034 04118 62880 27728 78762 50946 37069
19526 40081 00000 00000 00000 00000 00000 00000 00000 00000

46803 14799 39700 50093 62739 10759 06670 49571 27340 90031
85435 60803 97355 43661 42728 49928 40953 74864 81520 41259
01947 88915 34212 01950 16855 47193 76613 30656 51979 21322

42417 48644 52694 08357 42843 16778 22122 92930 21151 26822
71398 67318 96701 40494 08704 45349 78255 74716 59252 31095
51199 56494 33426 28296 68381 95852 85238 01434 99256 50289
28324 24407 17010 79158 01623 77745 28359 11444 01976 80288
75725 75337 25788 66283 66449 63079 86967 43822 08744 29484
03322 95571 59080 47605 68597 07720 10680 69950 52352 38087
77811 68718 94843 59329 55575 53463 89132 38186 59859 89645
67571 36688 77168 66493 34881 46287 78991 87628 14996 90825
80420 41111 00000 +++++

11076/9164/7316 kHz, 05-08, 1015/1025/1035 UTC.

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

11076/9164/7316 kHz, 08-08, 1015/1025/1035 UTC.

24007 75848 35567 84782 49325 16141 54643 13838 90992 46573
17983 89830 84534 67609 17037 90699 98028 86604 98423 73731
13886 70462 45954 79439 16974 30029 21348 28897 50036 40908
87079 31714 22326 30398 59787 46845 82404 85221 67693 63420
91032 59749 10459 93780 55103 89397 44918 95906 08542 38885
45134 67434 51118 40047 10205 78432 81109 98886 18259 35147
82740 76546 50083 91878 54354 73898 30817 53204 88240 74434
63146 33709 38059 25143 50448 67427 34802 60062 33299 84183
37229 96198 87817 95004 27703 56491 59245 53814 89393 99521
29230 87576 25741 60641 40231 12084 08164 34220 25498 75577
62915 51689 18042 97396 33036 35076 37060 93816 76355 30716
75235 08299 85445 52822 35348 88313 40504 91610 89644 75933
31071 65661 60401 04388 07542 23210 45110 17756 48392 22043
34737 55994 54072 42704 98478 72488 03492 14683 33466 76303
34046 60281 02844 16338 31110 85842 10662 49547 37945 75029
87035 60452 21951 63847 81975 24094 58209 02081 91366 29635
16238 30860 63501 06794 60918 31012 59622 22302 03514 21910
66900 38559 63721 15495 87301 51695 28701 55159 50760 51202
20014 94188 26113 68343 04404 93430 28218 05520 09371 42897
44711 63773 29461 36979 30823 10632 34223 57959 45697 55467
13755 47517 28658 24565 22792 70902 38852 53080 09263 03485
06704 36089 38262 94338 70633 05895 47362 86578 97456 27803
94217 99112 09919 31535 82386 99517 69794 20473 76317 22704
89993 25929 41429 15075 74099 98614 70228 08868 06799 54514
80398 56344 43617 17330 95801 78543 73417 24705 46322 08268
52080 90396 47503 31996 30822 39599 45900 60407 27572 59598
41096 82213 14862 32940 20314 80969 22645 45316 66566 19563
79508 85329 26277 22076 40688 78360 47307 07681 76347 21685
23341 56290 18544 13061 05544 10625 90320 89953 67450 44392
65374 21597 34014 51274 31715 21071 10748 34396 57779 69588
73903 00974 84410 70173 07628 91827 91165 72928 99017 00438
10369 39060 27040 61248 87360 35873 06217 11892 10375 79901
71049 59027 58480 70373 12093 02479 41030 80199 99632 97363
27048 96662 55899 58899 87997 29004 61742 39563 02362 25093
08734 33317 95487 64366 32603 86557 13109 19222 88964 20503
52006 02057 57269 94681 96234 40145 83911 66235 32345 45521
00434 24696 42061 72085 77774 06949 95821 77092 02478 22057
95650 29228 85816 40631 40774 30454 41774 28446 14429 43807
94789 28973 15303 44348 03248 24537 82042 35439 09615 30765
84261 97538 53178 04026 78488 61711 06316 66547 52501 25021
20249 42401 00000 +++++ +++++

11076/9164/7316 kHz, 09-08, 1015/1025/1035 UTC.

16733 83199 38265 39681 64319 35983 64998 30286 16392 63362
95859 48861 02785 23762 44243 43703 46604 15800 93644 59318
80509 28428 92113 27429 95507 53666 59690 22925 14458 22879
13525 08191 07472 52521 40357 14258 91395 10293 71041 32200
80559 37641 36822 13228 80984 89553 12022 00904 45237 77566
72852 43938 30111 26938 27020 62969 24335 83913 93825 69805

38478 34038 39433 62528 74260 17424 97006 44927 15436 51945
26398 43672 07455 00271 93069 21696 18072 41680 70945 11190
96108 34614 98872 14672 70543 80870 45389 47562 57120 27408
61477 43091 00000 00000 00000 00000 00000 00000 00000

99503 51534 80585 20735 73034 02679 68498 94989 86407 23295
56660 42742 67608 80052 87081 92382 25258 24429 34028 74587
84495 15878 38582 88892 88578 73600 86278 85595 77154 11624
01234 30177 77119 36866 55224 42434 67018 14879 15141 27500
00914 32951 77260 40953 02672 15260 61771 55193 66584 69770
65988 19272 25288 71549 99698 29370 70896 12203 51077 52108
40301 70103 56595 67877 00562 81116 73385 26372 95339 14495
77472 31519 38296 83639 36327 97994 64405 46412 29173 46504
75118 74682 13486 30021 38304 97808 61117 08170 28915 49718
12489 11943 21322 74302 22289 65932 69233 68795 95114 60280
34159 44101 00000 +++++

11076/9164/7316 kHz, 10-08, 1015/1025/1035 UTC.

98755 74354 98159 54371 87001 61268 79426 85507 23234 27910
53596 29039 43674 40804 55417 44332 48255 90120 63256 35795
96882 39719 93062 41446 46025 78849 00629 62981 92822 11452
71848 35797 18907 43995 05640 62372 51108 57783 19241 57484
81255 76674 30549 78667 12234 66146 97205 40370 22507 24649
17100 35236 66283 53179 19990 10953 51511 14010 04920 76106
62896 14529 03136 33477 22122 77100 71164 64211 02472 80908
43764 11310 40026 86703 01420 35876 08634 80400 32088 44548
50836 96464 91849 11565 81942 07012 94193 43894 09425 87576
82590 62869 34851 95475 66060 00767 30507 21705 22408 35755
07923 02311 98833 13672 20480 00172 64586 30047 67286 93124
95352 70819 90508 29382 94082 35180 83348 36166 77917 88988
50857 92505 85924 22185 90757 02132 87316 08648 86483 27405
94854 91931 29610 70220 13101 45319 13866 10817 76235 79624
67915 40439 55104 97197 19097 48780 38193 15542 05306 52154
16218 09017 77212 73317 25016 42027 57994 08900 26417 92167
52781 45362 31804 86734 24991 09431 98027 01064 81743 63940
50371 92117 35558 85026 12258 65761 34491 81600 46384 01174
77927 43049 36964 80821 60205 26093 67772 99436 09255 16743
75680 50435 12447 28296 84367 13217 46836 21295 47888 89780
55985 56403 58805 64093 40563 16133 00541 82649 54891 56346
48674 79660 26642 73487 50837 95309 41867 98475 39915 60513
62545 53189 60243 46621 68835 30494 11467 03495 43229 83731
39771 34407 38776 36632 31165 81186 98592 49566 86494 18067
18811 03082 82892 77650 72187 84667 51329 57448 34537 89672
24977 80421 81181 72328 38052 07961 45617 07801 79838 28749
57566 51220 33575 71941 02615 04615 54889 18091 70619 27698
69472 06278 85075 53438 94680 60854 30618 94350 14748 86269
20870 50452 64302 03387 73795 54810 99864 25749 86774 17628
64031 99220 28556 54804 72013 53446 90308 11901 75229 38564
62931 19460 81638 45608 32823 40604 37493 34044 13298 96861
00212 14865 53831 83147 57049 62697 94330 07851 69254 55345
56600 18947 46405 64213 90218 02088 80610 44046 14983 61603
95250 95425 27127 20348 87971 98450 61504 99334 72597 41056
26903 63084 49651 90391 56701 41651 60187 80705 42040 65226
02604 16171 39703 72292 17135 12094 71889 77238 67703 22929
60071 08398 75827 30558 60118 52421 86262 91256 90883 65944
69073 64788 73424 40470 87810 74067 23070 31421 88500 68823
61493 87276 89111 91710 41002 39761 74205 70292 98212 40986
24443 83342 79321 58521 35650 74906 04130 64299 07115 14541
61034 78311 03812 27201 50164 53028 22246 41172 16842 09474
14583 27528 42571 60903 50786 29510 85727 85013 23414 05300
89147 30624 24791 45423 00000 +++++

11076/9164/7316 kHz, 11-08, 1015/1025/1035 UTC.

41010 33155 83177 51397 66047 47218 18490 55966 44072 88925
63353 53993 63189 31682 24216 49852 80992 17046 51814 86957
38159 41444 68493 53077 28779 26575 13971 77936 32113 96941
26758 09039 35464 12953 03402 76652 02843 33024 02751 83891
69131 03124 87434 82832 64417 97193 19723 22606 98189 56895
53984 80391 58088 04098 92899 11272 02892 24564 99641 77859
54431 46269 83192 45654 18113 60775 99001 55059 86748 61121
32157 05995 07371 94643 55260 46075 00000 00000 00000 00000

89876 79892 94282 96030 19893 70512 83570 90901 73792 24736
13399 08868 84228 62259 39343 88339 20863 94446 08538 91522
02417 28356 98533 92475 05699 55624 80476 86744 82541 80901
80037 89774 20590 69528 34537 16268 08866 19135 69698 57699
94065 84852 44459 00151 38508 12834 37302 49673 15693 61746
72511 57356 04377 16962 09819 61286 67137 27088 45862 87592
24343 17569 00895 77758 59465 61010 89194 34396 16680 08939
96592 02654 76696 14671 13577 29469 21735 01985 97388 67833
25612 59279 61574 18265 29859 63905 16408 24677 91807 66367
08624 66825 15593 89072 33922 16534 01998 47097 00000 +++++

11076/9164/7316 kHz, 12-08, 1015/1025/1035 UTC.

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

11076/9164/7316 kHz, 15-08, 1015/1025/1035 UTC.

17741 77897 28260 63249 55454 34720 07074 97894 67015 61452
71577 05786 89090 63757 36786 70464 56759 78826 72618 36336
41035 81722 29361 04701 72808 23847 23764 33016 82903 51979
27978 48322 12941 81314 28509 10759 76677 20951 47377 88118
76532 75245 42673 27377 04973 69493 30697 34127 85447 73361
96862 95865 32565 20508 87564 10063 36190 47836 00184 02955
99162 02811 13428 49997 83304 92282 25196 33917 43430 71248
90140 01292 54019 94998 74131 03619 58262 83068 67801 33773
94150 68458 26353 93830 77307 30532 27837 55165 45246 35053
67062 96775 92738 29784 27342 32767 52987 69087 97263 64937
04282 65971 24659 21387 06836 95014 24975 67115 99483 94604
86220 97515 10932 41935 37688 50726 65240 99183 74629 99760
86241 54335 56078 10364 30565 05056 18000 75525 03961 59081
68968 62597 40618 49540 60540 33938 50156 88660 49536 27033
61975 08291 94389 05029 21668 60674 52779 13611 19154 77916
72704 05166 53257 13579 94220 16169 62384 14844 03994 08729
76006 98677 09877 12237 66635 30440 27704 26042 06965 28367
97461 69102 61886 42376 71057 87551 70047 80622 38851 56106
94651 82244 87138 34259 48185 59745 03793 63201 20753 59429
74225 14397 66721 13354 34871 25758 29343 81216 76380 86359
08062 05624 13709 55616 98179 29172 65283 27884 57572 46785
08440 78393 80149 91746 03320 51481 80728 78856 02409 77035
21039 53154 87912 26110 31511 17646 04142 41624 08562 38479
77115 05112 92056 50987 38550 25430 52629 15053 96439 60389
43557 93232 19395 07220 96873 50063 26948 22835 68406 95999
02997 59807 61424 24425 74584 29012 83596 15157 23197 24862
16928 02900 20765 74083 05374 34072 07569 93960 89823 60456
54211 70991 45128 43098 74877 95892 98866 64895 84036 15887
36546 75321 13795 90216 22903 15711 34081 59811 94011 98549
42852 67062 99886 39210 18500 86622 02249 63557 51659 53187
57162 39881 98596 97178 37223 08575 23363 24282 72981 08009
20912 99765 18292 20032 38356 23523 69279 83541 36557 06775
91600 49551 59238 86375 35698 76208 01801 37638 44729 87186
97031 71654 84857 41891 59905 28003 52594 90921 58637 98822
38882 15232 04212 45161 54597 72405 75544 91550 47174 98509
22478 09736 63020 38948 13799 27516 35433 06754 22462 23603
02676 91763 65207 94464 85933 69108 38759 04075 81806 80457
19798 52508 49048 86453 20887 24329 94229 13777 19539 02686

86016 45273 02624 60088 52742 26593 93289 61762 42976 87766
52591 42551 53763 03154 73017 43287 56229 38221 06094 17570
73234 56565 91259 44899 88768 85627 78200 11082 93768 64543
59828 41877 98052 22548 58085 00788 63049 61399 29777 86951
35025 40230 84608 94079 83476 86286 32611 16351 74393 79978
03157 12228 33068 48433 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 16-08, 1015/1025/1035 UTC.

58107 58031 41608 74207 10527 82375 36179 19422 38913 38509
01035 30546 58362 02863 98086 90950 29753 74922 75227 67410
98558 15040 74131 42888 27507 51481 84255 80267 84028 61405
66466 34242 68418 55450 94728 53528 93669 20625 89310 40602
52895 01181 39913 61138 35291 22174 42193 20352 76567 85374
96096 48411 54794 92238 39443 62129 67590 73612 15210 95112
51602 30864 95932 13541 30200 18128 13690 59801 00339 20352
69071 91118 94515 49073 00000 00000 00000 00000 00000 00000

41611 68735 39459 77208 54712 51449 33509 22035 12556 13420
28123 23889 90663 72663 90411 78466 43173 53158 81736 74966
03072 29778 01158 07099 05972 90912 17261 25982 23356 48449
36811 77122 16236 49795 83644 88670 45151 71652 86265 03120
97462 00209 97565 69669 17859 27449 95109 39400 53034 18257
35427 30483 46452 28017 60744 55587 44155 75382 81595 28688
97533 99915 83750 93452 74024 59269 32895 40399 11637 45616
75506 05007 78273 25995 59351 63978 21780 36274 22056 71829
21638 83420 21178 04997 78275 35748 04222 05658 00893 05848
42125 42441 79779 55879 73976 50095 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 17-08, 1015/1025/1035 UTC.

90832 29322 89698 39444 93627 47511 35193 07139 70629 12172
91812 32115 81348 77276 86523 09716 80111 77529 83157 85643
03122 07392 96277 19014 52480 84964 29354 66997 88125 55426
10694 58219 63620 13707 25568 47130 66716 51087 67959 66512
50653 55415 60382 20319 67107 19620 15205 84034 36742 38210
35910 04745 18298 96458 81742 18096 62145 81938 44163 24336
59257 73121 08563 12906 34215 23847 99667 71846 54349 74359
34073 66931 07488 40626 28337 53198 15015 66556 36091 65570
60416 88889 12580 13063 27701 97378 30088 49647 24496 93993
92676 41701 88040 66667 23679 99229 10036 57285 24388 63043
41281 28595 27367 65074 62020 59734 92831 04033 28966 25057
21533 03579 34909 35951 82588 45204 41865 50325 79680 93002
73697 79465 04081 52527 79149 46942 47926 30918 01219 79248
76181 90483 13826 32874 80740 12929 11699 87483 65084 16413
64417 59903 32946 92627 70560 18592 79420 56088 72886 03285
07951 22808 20481 79506 21627 60562 88821 82634 62247 77922
93690 31195 95562 44244 59864 14088 66154 57799 30535 81430
70376 04243 28387 93691 20804 72597 04274 08822 00621 20947
34426 12055 31388 09022 52138 18078 02626 39866 24859 00246
36652 77780 12635 26539 87110 34713 68835 06943 94630 42299
69102 81944 48050 51739 79456 06830 24646 28681 99510 11462
07800 35325 41705 40247 05549 16915 32524 01955 18453 34812
46623 84089 30208 13341 09798 11509 19463 92589 31744 53953
16255 04357 54536 12206 51513 13430 27771 37536 73074 91382
46300 64146 26628 15079 11509 59284 25049 07071 02057 20724
54543 60084 65039 76292 91048 12765 63486 65145 25325 68887
41155 05452 20175 77210 90537 78208 48232 14158 35036 81845
83751 36522 61231 37323 46839 96377 62184 48403 23567 35386
77716 46785 10399 00681 42596 76794 56368 49526 78572 99300
01460 34933 91196 19578 34602 89413 57366 68757 19739 49075
14522 93601 63403 85228 87455 34250 22230 35704 13641 94650
73845 53068 53044 35352 99579 11911 93342 43345 52425 42412
86487 58642 08697 82364 77561 62287 26808 64830 11846 55473
61625 83649 31058 84463 07820 03945 94686 90999 70660 09853

87351 92888 87688 06639 98146 24449 49711 19398 82892 91509
94538 55522 45229 20647 71924 23131 97501 07347 03130 22639
87362 92785 83548 53658 01041 23900 01851 04427 79202 76456
74049 15930 06350 45791 15963 37932 59690 34914 02481 19077
28421 94664 87090 98267 39354 95604 80096 89497 49832 36337
08964 77327 93865 17939 09227 65194 92424 39195 19410 43741
63842 92316 78383 71355 95233 63841 48597 84092 60905 51409
00000 +++++ +++++ +++++

11076/9164/7316 kHz, 18-08, 1015/1025/1035 UTC.

94059 26338 51553 19529 07807 10643 54347 56939 97500 99569
37490 46357 18863 06558 17376 90722 66456 78724 76046 07548
39336 43828 89774 40575 43110 39367 68292 24671 58128 72240
46848 14863 28464 82412 98289 15493 51382 09022 57342 70392
71990 82364 74299 00034 12748 90201 40276 96595 92526 91809
51246 12871 14911 78232 03029 05959 30425 02158 34424 21690
02366 25857 60676 30697 30951 60636 64462 52095 15437 96222
36578 25691 58931 43532 83532 18664 45554 39252 44211 77661
44656 52081 00000 00000 00000 00000 00000 00000 00000 00000

69717 66186 75104 41346 49801 48143 94418 94864 48508 29174
96744 90679 40214 09370 98519 65943 60465 90349 02348 81196
24639 87363 51257 60453 72109 68842 20180 17314 40582 46814
61818 53054 00287 66650 49094 37631 02733 69555 81368 09523
23689 26255 46617 55367 05104 65307 56754 55311 25627 44489
98283 05033 54437 38672 65471 50349 68057 42657 68224 95365
34846 12371 31868 70099 96852 92895 30999 98289 15493 51382
09022 53071 00000 +++++ +++++

11076/9164/7316 kHz, 19-08, 1015/1025/1035 UTC.

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

11076/9164/7316 kHz, 22-08, 1015/1025/1035 UTC.

29402 52319 20028 40810 64033 42366 98372 91337 02020 15588
63627 26937 94498 89745 90034 20931 93705 29130 89540 60574
48483 15815 36844 16013 67844 61247 96096 17554 26047 25362
85205 20913 07606 35394 38665 65145 15684 21595 54869 52938
92304 12022 38830 07952 23811 53602 76238 88901 30024 51657
99822 65062 60518 45063 33918 82890 46479 59247 28202 78445
81551 04209 16526 15295 30136 09737 61781 52602 86562 15033
72742 73075 33578 54907 03812 25463 73595 09753 73619 61292
31123 11467 63407 70533 49832 22523 81131 45873 32689 30378
02230 30295 98584 24391 22982 27642 53916 47453 87413 80856
02536 39512 73658 47589 42529 15181 50748 27847 23232 42609
41736 23395 60954 15820 54110 33567 36823 37684 63432 17204
25193 55730 61135 75386 26061 17977 02414 34650 99928 40962
15157 35393 28535 07180 55847 55127 49905 34088 23378 21293
41166 81895 66708 93311 47535 92293 47309 18555 80951 75348
42332 91939 36770 86708 99438 73812 01956 62347 79222 45830
53221 02998 46171 09510 68549 25494 94101 57152 00521 23191
17001 69802 84905 02648 61219 21959 82941 88776 19946 97703
80740 15631 55905 47949 94265 45029 63222 43483 53307 80194
04373 03502 62901 66602 83180 04319 65633 97226 39777 97940
53248 64361 78480 95188 01020 25216 64515 93063 23314 73467
50522 51028 73775 33958 18787 45913 31)16 22720 50128 60117
96216 39523 55391 82799 42141 85133 30467 28742 01905 20460
20790 04578 81024 09783 06241 77079 25141 15261 42404 23167
88854 34882 19107 66358 36704 01072 22176 29325 24695 82122
09364 57249 35848 53652 36367 91671 68175 32262 93879 99514
98542 88590 41620 86965 70851 81955 50269 52913 81963 83756
87255 61622 63829 81843 07326 39337 85236 83021 33834 24491
21628 55891 41699 26222 66427 81212 77953 70876 82298 01968
80827 41188 15789 90326 83311 37815 23789 73687 12118 17940

85246 86990 18004 90594 96565 43492 98370 73418 74145 41174
98083 40530 12477 46992 99463 16195 71243 26146 37363 93985
89870 08547 00284 86119 52946 09690 03468 32652 54962 48101
44898 25226 37808 26562 80144 25062 99453 69278 76994 79869
97267 32206 35813 69373 94396 28704 86553 34137 22646 37708
98373 67384 60312 86604 62780 74485 48382 26012 36257 29813
93558 38634 53286 85645 31531 49382 45735 12815 48946 28964
29515 77770 87500 08107 44470 85764 78606 44618 58424 44832
82050 10466 71323 30268 27108 91061 80417 54269 79526 13942
92408 70447 82826 49031 93519 67889 47360 47674 13396 34457
85557 12625 43808 94013 16805 16179 98065 47259 90386 08639
22095 70875 99931 84301 93116 54647 87804 54417 00000 +++++

11076/9164/7316 kHz, 23-08, 1015/1025/1035 UTC

78571 32118 53572 55269 89885 88792 13138 12465 64806 68548
39944 97871 04874 14818 04749 08224 83484 18181 53492 13425
26199 61693 52695 77313 83346 27644 41999 14085 80849 95422
42262 22530 60207 85194 92659 65308 43577 27057 15235 85418
84889 60373 30318 77067 92943 92973 71267 53116 37401 74899
71965 76305 73635 66394 25499 46428 47365 04817 37479 60652
65008 00163 22418 89171 40699 13898 16615 33383 55899 00767
05984 58759 92547 18289 92252 19629 25678 33610 45991 18032
86456 82407 19882 63840 31554 59537 20688 28349 79810 55089
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

96075 06132 26095 55128 75295 20802 44947 40069 69321 17117
55396 26433 20473 13193 55620 18080 87872 78735 39627 87458
20851 70820 19924 07730 13310 74467 74121 04518 56234 33931
45144 75726 30532 85652 49749 52864 07390 28812 75024 02307
48347 94414 67570 89937 22252 98847 45038 57608 81307 92847
84726 84851 63385 41821 68909 34283 12794 98440 91594 04139
36695 53473 56392 36368 39351 75760 20185 53743 01390 77302
62288 24399 96277 64377 83785 77259 61189 60624 66723 56079
00000 +++++ +++++

11076/9164/7316 kHz, 24-08, 1015/1025/1035 UTC

22589 11337 60610 71589 59236 34677 90231 46295 75820 83176
12097 09790 50738 78100 53895 82319 69278 41169 75672 96327
29663 18554 58554 83775 98418 51451 26363 28019 88489 60424
36098 59920 58553 35709 98187 02883 56957 50657 12469 96506
58724 40515 30832 53538 69062 13720 82457 29809 91815 87907
22587 11854 86295 67808 90768 51890 60924 07233 89516 04846
77136 22316 19315 47130 61972 48230 30900 81826 52795 56536
80780 59999 22581 75365 00902 72803 59206 79627 18420 94078
97182 43417 86505 78125 25267 71824 12117 42336 18389 54316
91693 89384 67332 06898 90685 48649 04610 95225 27877 41563
49960 55865 50426 00578 23920 57883 10573 96429 02895 71953
79932 53388 14173 39182 62337 57190 94317 56808 91142 85326
59375 23009 21943 14388 60336 07955 56644 84142 22294 43332
59808 23047 90724 47510 53232 64861 33334 28533 99678 11075
70917 32142 11711 18810 35648 26994 46557 18910 80254 44283
72949 93886 86506 13936 20879 70418 46466 64587 50186 06088
14915 79502 98948 75044 56424 25647 97582 82281 35480 98095
59613 61209 23126 46947 85031 34227 18529 78962 37197 40956
08942 51080 79206 63852 16472 98031 80675 05853 05106 61207
30870 99775 46426 10998 19113 54137 67456 79766 68427 65080
29077 47660 33333 49116 08433 48437 97733 76336 83798 87504
33855 08817 45310 89347 08142 73874 80019 16543 45072 26881
04699 27538 84815 83309 44841 65395 95679 24715 83283 94671
27278 08316 26903 28632 15356 34890 64814 13993 74218 54648
16503 65354 37691 15789 93350 66542 34549 85415 21961 81029
09368 97502 02754 38616 24706 07605 02238 90582 05590 58983
02427 50475 12207 89856 55803 62727 51764 36439 19309 66306

65451 11484 65752 45554 51427 62983 96117 85436 09784 42750
01172 73365 20425 39534 45839 14792 89788 56389 74757 54760
27348 36960 62471 22605 37850 70382 56684 41975 40202 29484
88017 73383 48959 21977 44718 81462 79347 59324 35728 44113
61762 72965 90588 45734 76670 32600 69587 21725 45869 46203
82602 46442 41018 46474 40066 81801 95407 93387 84511 28715
29877 47556 76105 48542 28831 94075 30633 46748 27300 21547
33360 35968 94964 85962 77210 20635 28091 14140 98694 70391
85318 26401 10037 74452 28230 83167 50922 94116 52641 85178
08319 55603 21556 82001 77796 50412 35718 68538 64794 35394
02694 74199 49257 49710 90433 74452 62100 90876 76237 79405
46917 17076 27072 79146 05389 67931 72174 50495 49811 20916
53872 54873 11197 25604 67572 81977 76380 82936 26835 18936
52560 61693 14502 49643 82721 69359 05775 13960 60381 57409
00000 +++++ +++++ +++++

11076/9164/7316 kHz, 25-08, 1015/1025/1035 UTC

98242 52742 36453 60501 80397 64118 58739 10983 88118 79587
21849 62678 63954 28654 32168 16828 35658 32882 86450 76905
94116 89259 57410 20321 70589 50152 62218 84665 86702 67019
49852 48200 75631 90095 68228 09270 97917 41205 97056 94326
00351 01920 57353 49257 91347 84229 33561 93700 31284 75925
69188 43037 61197 77868 21939 27743 18306 75347 89235 64795
11787 10709 40103 60815 57241 49435 14329 51636 93291 56871
74855 07991 28739 27790 24318 61986 93734 35963 21698 34082
93382 95954 59996 65236 87228 54293 90885 58087 00000 00000

81621 59441 58589 87518 37768 40400 52294 39550 10284 38874
94768 55464 72716 91049 84108 86564 60669 45318 89199 86921
67710 60609 35135 09214 68341 39977 64898 81920 47705 97882
69516 28797 42718 84598 03844 16573 24311 16185 30186 41813
75477 83466 56942 92873 44808 38453 64452 47892 80200 81639
35239 94757 72429 98617 30836 83977 63274 19449 82378 50405
97878 99220 87157 64748 26038 43237 28314 00796 82103 25277
59869 29308 98181 72350 24270 74510 30323 14400 94644 94108
02393 59081 00000 +++++

11076/9164/7316 kHz, 26-08, 1015/1025/1035 UTC.

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

11076/9164/7316 kHz, 29-08, 1015/1025/1035 UTC.

68284 98125 52669 05223 57900 49595 68269 81009 58493 24433
19682 13564 45488 14382 13749 52687 20882 69451 75593 74359
91417 32507 40313 32963 98407 32157 36183 71010 35161 13633
57788 78592 12944 12340 52544 19713 61410 99774 69027 67703
74452 56496 40567 16919 37384 51826 02522 62874 96420 34985
66687 68044 56378 67333 01273 55476 17534 50421 89875 97435
87578 29517 67905 91254 29612 77322 59879 39574 32107 87544
66038 77168 11783 33015 71717 11542 85329 68058 77900 69475
70915 79774 76418 66728 05415 17944 18196 43064 88299 58226
48016 29797 88130 78355 04223 42047 72574 51999 06793 12890
47906 89992 82240 11590 18910 83615 98764 13095 05135 29616
10089 11001 74432 41647 31433 91150 79723 77829 96050 08067
09911 39107 65770 31411 90905 18096 93973 54638 97678 03105
64462 83056 63289 67017 54632 43463 95821 95737 96405 82552
39168 35854 33352 46278 38601 66246 97443 57362 97066 23298
53869 33139 33136 34408 87361 10909 76555 39498 28455 73010
62333 05187 43131 88780 09299 61333 34276 15600 94068 14632
28396 26201 56363 18937 46017 54444 96610 07027 79220 76730
51768 13467 24744 71246 60307 43286 46080 22233 52295 66132
63025 61458 25512 40606 92101 64085 93539 98464 86295 41122
16763 43362 47556 95639 52216 43843 10474 34951 83215 25255
20602 55930 14714 90268 55831 45667 45318 22712 64277 64638

51901 54383 17108 04589 47747 99537 99741 38303 00178 86747
89879 03465 18580 42805 95767 87779 48785 08364 53176 07561
34731 90010 04484 96952 33353 78445 08348 49994 93626 87469
53366 82694 35713 93447 74183 07322 91137 79965 93480 36081
89945 17334 38275 56376 05759 31650 03977 44846 94689 43100
64638 12350 89036 78185 52827 97098 31697 85555 57576 48130
62250 10152 13823 66280 90631 05336 81800 94888 19343 87689
39810 77375 00134 64184 38796 23916 36098 86397 92190 54375
65114 11470 99437 09705 85571 74485 26656 48985 10318 01966
92858 74291 59771 21169 35185 50589 30123 44869 51568 12834
97584 36319 44284 77459 44597 84074 12817 00457 18961 41362
69477 49215 61804 09700 76215 80329 65340 71426 26054 40537
46354 00858 17602 33007 46333 08739 96055 16127 94212 99680
59156 27015 92647 47279 51519 46915 13755 16592 95773 50683
15274 88671 33971 07529 13067 66830 77673 25234 70909 69338
90170 54996 93502 38226 49272 99118 33643 18896 64096 88710
49491 90218 44300 23600 72879 49803 45194 91639 74585 84136
37166 09593 37523 78262 72866 52790 73773 44715 50576 65745
46406 76363 97214 70913 82026 52875 19402 17779 84969 55484
96034 60411 00000 +++++

11076/9164/7316 kHz, 30-08, 1015/1025/1035 UTC.

58953 90180 26713 70484 15422 98165 65472 11480 21526 60006
59681 49640 58352 26511 65309 49459 46592 67229 35550 79119
13262 22789 76254 56431 65161 90927 69829 37058 73749 69647
84777 30967 01147 05939 13069 58039 21923 23515 02529 78774
20387 27974 76443 61031 68043 12853 57546 68747 10917 14988
38593 83560 21427 92637 66713 95279 94495 24793 33704 22145
92591 55112 89478 46808 69376 61065 00000 00000 00000 00000

42650 84308 11476 94360 32317 06308 54924 04540 76324 33987
41985 35406 69680 02033 19305 61270 64380 47644 33992 98224
18596 25229 50829 08922 14320 63374 80899 64484 60654 50052
51338 11978 24934 56973 70869 20890 58869 39046 70849 07050
11892 69868 26468 57425 48897 99192 87828 04240 14573 43298
75566 21841 11491 44218 20715 44760 84156 58741 53488 30402
26212 63148 70689 14801 52956 84597 36407 34877 06396 95113
95705 15643 85002 29114 05996 45779 15357 10401 15757 90032
07885 99569 45325 11864 63854 97761 49404 04792 25834 67702
66013 55862 88797 57964 81544 89687 14057 62097 00000 +++++
+++++

11076/9164/7316 kHz, 31-08, 1015/1025/1035 UTC.

48341 74433 75742 35376 18265 77614 30460 58015 51618 19674
89786 62574 28013 39470 26984 85263 52984 62108 29772 50588
53636 20940 29030 08632 33764 76907 14321 06401 99385 89957
09667 60460 90617 22180 08012 23011 80844 77378 87820 58619
29100 06752 60240 73772 96613 35378 20264 66464 63461 89184
00342 87975 06236 27099 49861 34056 22706 08053 88954 07687
14376 47550 10056 20614 62894 43463 25643 25833 61253 75757
85619 98229 85699 09832 12757 05537 19319 58156 29639 36829
63209 79904 75553 80704 96188 23249 36758 70381 68982 40034
38565 37859 43816 27492 72675 44362 15355 76699 58213 79230
73930 32456 59879 44462 96991 94281 11679 67085 79710 13215
19646 06549 40693 64089 42017 49320 63717 97999 70277 07878
61449 04625 59526 66290 72070 39096 81595 39555 24745 93115
99362 38903 34881 14991 85686 60244 15112 08285 35413 37945
12933 63771 43887 31130 10940 04373 50403 34678 50606 47776
70033 32130 65523 16413 62275 32665 35062 49489 09949 59354
94371 96753 06795 80864 61670 98691 77187 03815 68760 82833
76426 67959 05692 30861 45026 11390 15539 96203 15447 97948
00203 76813 94707 24033 23185 72798 71311 46981 20280 83610
19930 02233 54105 24466 02274 01440 73427 66702 87593 28727

63196 31734 41251 77280 96256 93326 54788 93459 22642 67838
15943 20615 57416 97159 42039 59795 52976 53994 25197 89548
66774 24211 62796 11979 60381 45918 71627 17269 90841 09975
09178 83844 80244 51606 50480 56374 74458 87827 93963 68781
26964 80351 94751 04469 68719 28675 48834 10939 50003 23024
76557 10990 65157 11854 78867 77690 96192 63588 64746 65300
36167 27277 73275 13347 78290 21879 38768 66021 81691 08833
72401 74111 49781 27626 58793 71619 82147 99034 90958 44296
85931 25726 92078 32240 57605 44918 97525 33780 71099 12766
95581 02800 33221 25190 50284 56721 92284 04798 54834 37312
10914 08627 89015 97302 31784 48377 79052 64485 47296 43723
83341 22013 08993 90750 52510 44547 37855 79589 37216 59970
21222 61556 42151 07340 07380 18104 49664 48770 33736 45418
61459 71650 06642 97302 31784 48377 68820 66059 90575 45798
15326 06039 79975 01549 43979 29559 52664 09471 51208 29872
05445 81299 09242 10873 46529 76811 85585 28224 19940 19610
90719 71608 35486 40752 64959 42770 77742 17387 40409 09049
92470 98602 38959 37093 73913 35674 92244 36426 01415 58883
94525 67579 98783 68116 24406 94443 14859 29414 96341 85567
48695 94666 27872 94049 67820 86646 33509 70747 92994 16551
81225 90462 47910 26256 72479 63405 00000 +++++

F06 – FSK 200/1000

Link 10053

17534/15613/12215 kHz, 02-08, 1650/1700/1710 UTC

11166 10053 45213 02001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 07-08, 1530/1540/1550 UTC

11166 10053 78523 07001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 09-08, 1650/1700/1710 UTC

11166 10053 15937 09001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 14-08, 1530/1540/1550 UTC

11166 10053 54213 14001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 16-08, 1650/1700/1710 UTC

11166 10053 54879 16019 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 21-08, 1530/1540/1550 UTC

11166 10053 75319 21001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 23-08, 1650/1700/1710 UTC

11166 10053 78541 23001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 28-08, 1530/1540/1550 UTC

11166 10053 98720 28070 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 3008, 1650/1700/1710 UTC

11166 10053 54879 30075 00049 00000 00000 00000 00000

Link 40023

20355/15665/14378 kHz, 24-08, 0915/0930/0945 UTC

11166 40023 04398 24001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 03-08/04-08, 0600/0610 UTC

11166 40122 74852 30013 03639

36506 26685 25946 65187 06571 16840 97260 31404 20543 74476

91023 61605 45955 10962 07593 50226 93238 44740 45616 97619

74680 64858 63384 35538 25582 05515 95346 28495 04817 17591

53502 99442 16965 48087 68330 53204 23223 63405 48971 96093

33263 77421 67321 75169 95249 70280 95750 85554 26173 08842

53113 19256 49712 04740 38754 53926 33800 70958 59186 05010

45089 62900 77128 89701 62492 14847 37604 76156 16995 07781

50769 16395 49927 29482 36167 86337 06880 12856 58101 81400

09448 63413 06805 41105 71999 11859 05100 01115 55648 52698

45230 96163 76621 54838 85561 62298 11210 55078 61831 11865

64486 70462 92632 79700 94985 90410 83827 63944 12522 34574

61577 09920 91341 87348 88662 10518 65798 44993 43804 21524
00734 36270 68652 15323 53746 02574 12140 21419 71552 48456
26889 27211 87609 98508 97351 37461 13203 21524 04384 15888
39166 07884 55920 57329 90444 11104 38467 63908 00678 89480
69064 23640 98975 08770 52439 14917 26110 91835 73013 85313
22268 26218 76465 78140 53589 65539 20530 05193 69653 85700
99725 89129 09114 81796 73688 23912 95662 16698 53815 26753
91515 57225 27890 80007 00607 58857 27388 86436 38671 84917
67143 86293 12416 71164 12062 09660 74960 71738 50583 62473
49725 47380 79559 69691 39981 81885 30249 24009 66210 37713
90113 13590 98506 86689 00103 27236 76170 76755 32111 60437
31700 20673 76304 64334 61370 17659 92992 55838 11573 40610
12839 52943 59120 72567 61402 82659 44694 10288 23784 86026
31617 59292 60583 28019 27156 42902 98336 65996 16525 54247
13031 06535 40782 14521 65086 99072 58815 51625 36384 39810
60588 35184 49038 84303 23851 28827 70582 92181 31493 45701
35286 52434 91723 18143 36257 62706 28281 17450 68038 61023
32838 84682 24383 33408 96811 58440 80886 45807 64747 10553
17176 73768 76480 25610 58332 28320 90242 85288 40243 01468
03930 43387 28563 79762 16685 02534 45979 99375 98012 28487
87467 41112 56593 62968 28216 88800 25998 20974 53918 99500
09479 83490 68118 58972 51036 21562 56289 20822 24935 12643
11339 52791 60870 35170 50231 38603 46967 52296 76408 08818
77792 20727 67695 99123 39584 85578 94390 59514 49861 47227
97206 62778 93630 11052 79776 85739 23355 56034 95385 61697
14877 13361 00000

16346/14847/12223 kHz, 10-08/11-08, 0600/0610 UTC

11166 40122 74521 06014 03029
44300 69775 54961 42930 82832 56966 97456 57543 13748 36634
00459 91861 61856 59661 27536 84500 99116 55252 46749 61000
54371 48354 61533 06960 72789 25626 84246 54561 42201 35862
82090 30897 28517 35844 50074 41562 87419 17527 90724 87929
44504 77516 05214 41562 61071 14772 25607 24183 27746 67457
42906 66657 53124 24906 10584 45409 39614 75607 28295 19721
63685 77175 35448 18351 02692 59221 69330 48896 75463 95074
67466 28360 88860 03294 18912 58336 07472 64893 94148 93267
88636 67238 08293 75201 49999 10528 97276 33496 61756 37821
11724 72896 80812 74530 58172 98431 69009 88333 42355 50565
62624 05419 94221 49037 85330 44030 79380 68832 21799 51226
26655 96720 94130 53803 26441 41795 08315 59311 79558 98454
62884 68112 01269 85266 36977 82406 10161 08141 99967 23168
56588 21265 09877 90929 70345 84226 92738 31355 32264 38761
20103 91531 99429 53575 26881 77919 38697 10665 36701 51907
48189 31581 86982 23893 71478 67071 70888 31846 34127 98538
38376 15274 57281 24752 23509 20539 28001 32255 90223 98458
31015 72894 13751 80131 71594 96922 39853 41919 44219 15099
89102 95529 26740 88234 98342 64133 04714 67617 16566 30454
55596 34750 97357 67766 47499 13846 55118 89744 32168 55513
77236 80095 36902 15069 09418 87914 85077 73920 56328 99696
99975 77448 64772 23957 71595 87836 81573 49370 91146 75269
03345 62398 82905 95962 60348 35318 88115 30430 01616 20603
80635 80454 73540 12581 19004 48182 09095 62327 64625 45785
69895 56708 20751 09128 08280 97526 71951 13870 41594 41698
28765 17459 55871 88407 07205 75425 81093 24169 97822 05448
05228 61734 04008 97592 19211 33792 54213 94194 10084 27382
17792 87799 44459 69973 79139 10612 09505 03142 49818 13883
03636 04779 23366 60675 94101 45776 02457 80451 83655 92118
53120 58908 53489 88323 65700 61506 74635 83172 27234 14129
14300 00000

11166 40122 78520 06015 02679
05000 83652 34946 89304 14237 48073 05549 71440 03641 54266
60018 99481 13244 03834 88560 10474 33309 48358 25435 32413
62405 48529 88321 99879 79250 02116 61940 90834 20516 01723
30583 08070 81769 08275 89270 53708 83755 51151 88199 70212
71192 90926 90183 46340 36275 05648 45773 11471 84076 86570
15728 66749 82028 54326 95554 26495 60672 31418 21769 68281
57864 32011 64591 15167 23633 54947 36758 98477 27858 90914
73124 74594 37977 79713 60763 94191 58897 78566 24238 47345
52299 27394 95735 32959 77522 21998 24758 25948 21228 31101
07039 40611 08007 18165 37400 13631 09142 53932 16215 55143
91696 30632 64168 41310 75126 13777 25015 46832 87594 92502
61004 40840 39186 14371 70670 94604 54198 15595 83682 74498
29706 82598 12416 18652 12583 05875 64963 20733 12162 12053
49259 69298 90739 85135 22990 16149 99082 12833 69011 72120
49161 18926 00932 53758 41258 67606 28557 29309 87677 50729
37892 37464 00205 93906 65377 77292 33541 42395 71049 92808
01871 12695 40322 00600 10764 20819 69057 33962 71601 23158
11637 01978 90702 30871 96695 86966 50349 83767 40233 28761
23895 94575 10765 69228 92135 99582 26215 55487 53145 76540
87237 25257 42756 15807 76647 22765 07862 55639 79655 18663
99749 17590 04587 32389 79639 02937 08781 80395 53605 36084
59348 98709 79098 65873 83487 13235 10222 60747 88030 56251
73972 58691 52919 52538 94621 57901 28293 23575 08437 59114
89879 83227 35909 95532 32373 23399 03703 11282 05485 13035
33485 74349 22365 58966 39849 34922 95063 01993 04502 65083
76740 46660 18909 40786 15299 48175 12582 52051 48124 04872
09205 52327 92635 29695 77772 15265 00000

16346/14847/12223 kHz, 17-08, 0600/0610 UTC

11166 40122 54879 17069 00049 00000 00000 00000 00000

16346/14847/12223 kHz, 24-08/25-08, 0600/0610 UTC

11166 40122 74521 20016 03259
37338 57234 07388 49504 31918 03447 84984 70075 97201 39564
01843 74689 16707 93395 23157 95056 52678 69610 14431 44519
75898 17503 74067 49729 67851 60577 75033 27747 49939 61386
82801 44476 19437 20059 41740 15397 96878 29958 47158 34510
14549 38906 45177 42446 00779 89413 27616 69676 39730 36347
14099 15751 11354 65479 38540 50513 41218 61352 82222 48229
14874 97898 20644 90552 36475 50251 76313 99288 36309 51179
94701 84873 56956 40599 85517 21510 72733 81579 96507 84910
22139 41296 11956 13570 57967 60357 93088 79506 44789 58955
02552 79426 58481 53259 80162 82217 67491 80514 62120 93746
00539 56259 60853 24866 30417 12111 47708 73587 28603 87556
05648 57349 70351 74190 44170 56322 94973 35817 93607 53689
50966 52883 21016 83825 80698 64660 34832 24342 24340 07614
70488 92897 47710 73408 74167 34749 23738 34972 26900 11947
22232 14072 76168 30143 87628 88827 67225 63919 09423 64599
91307 66602 14960 56701 92927 75478 39278 58361 03439 48358
51687 92377 93053 92433 43776 69899 58508 71344 08537 04776
88561 01421 65278 56913 74511 73006 10040 03065 57914 57832
96173 58508 32708 88352 74797 98031 43909 19997 49784 49681
50082 12264 27009 59695 41767 89607 62506 52067 33052 68041
39245 31179 68470 58402 27213 00932 12432 82217 06470 98825
13344 61096 57901 68410 59642 65607 51313 18562 69893 34556
85592 43002 84172 00615 60597 98518 48893 83234 85477 65311
12289 34786 53107 37899 72718 50849 35317 20042 46998 80613
78616 22092 50935 98307 05091 84235 09258 21595 48160 74041
37131 87894 77892 31769 60435 24533 95554 61864 67007 73695
02084 94090 06022 58090 70178 62717 77709 98278 74688 77218
80591 17599 60989 82911 08418 95626 56040 34975 14012 56109
51798 34283 82179 00312 15686 98489 78906 21700 07797 66810

68996 62928 09530 61929 19365 01029 93327 57476 30160 71773
88231 24500 60903 69136 20908 55392 43838 80775 36861 88683
01676 45505 31504 83160 11913 43670 45786 14733 84935 56363
06052 94494 48062 16323 00000

16346/14847/12223 kHz, 31-08, 0600/0610 UTC

11166 40122 63785 27017 03029
40795 54413 42447 19164 94701 03181 79634 57683 79412 33300
93027 88531 02577 41285 31575 63360 31998 88891 92710 87576
60893 48136 41171 83174 65819 09681 44706 36049 86961 03050
68872 38711 85481 02086 98099 64352 57593 14109 75208 33200
10073 76195 76572 57090 26876 07029 65122 73200 81561 87755
88354 02882 75197 70276 13561 96525 04449 36419 17440 50407
89521 56432 72305 06427 16665 20229 96047 70717 74906 39817
58063 12019 91715 46368 58329 25788 97279 30348 21800 74962
72083 98148 75333 43322 57467 43665 99323 62391 33875 58252
71216 97806 96456 27493 43126 06099 82720 88224 20701 97818
31930 44258 35464 67955 80920 64219 27787 79573 26033 09961
82699 11603 05846 68984 85716 06738 84397 89287 90879 80369
39583 40110 18182 76480 86416 46979 22580 81462 89838 74518
01784 31775 46769 55448 34985 76389 42081 89206 69748 79957
08191 58648 99223 77640 42944 38238 96883 17531 65498 92189
00962 51619 14872 85983 65792 61219 20864 59703 22230 27820
02020 36617 14333 85270 70338 65463 04514 14260 47401 19855
64327 65014 21622 03254 93090 19158 01287 32949 31528 26666
43092 01479 62613 78861 60852 38927 16822 03379 44074 24540
23947 92032 41078 21091 78697 97550 86364 30445 12253 60071
76897 93748 86952 49380 27007 84681 56329 33798 56593 69217
57653 11669 92312 30328 29192 66383 86447 81058 69352 30876
83133 14427 79915 72527 86640 63571 60539 34424 11390 70595
46713 93889 18400 87536 08362 24254 67840 57901 51278 70768
42396 52208 88579 76629 21106 55971 74366 20031 08393 33556
16780 48190 47943 16362 12635 19291 76145 88753 70832 88259
94767 70180 16723 97342 67550 16929 94608 57396 70428 91943
10594 30838 50041 76147 82936 52199 70232 19704 92119 47213
51237 56660 47812 36366 31214 31409 14913 33874 04845 10396
65863 77992 18662 77525 51418 53622 27804 36698 07059 93130
17300 00000

11166 40122 14396 27018 02749
43890 69901 37242 66337 28685 24322 44667 95593 13264 26885
96745 56902 47341 49677 46472 53007 08473 74691 49875 69388
25802 31317 47231 49117 98050 05023 00251 47481 10427 40679
02387 52344 80154 88930 04501 81161 85299 69084 23026 90588
56584 46936 22850 59634 36878 50973 92092 32280 38055 75397
50953 30511 49894 43399 61848 73691 80726 29125 32983 65235
34500 61771 32585 32486 53968 60249 55962 30766 84666 71848
12581 47523 39390 13342 25354 67505 67834 37977 59318 84916
61112 76775 21898 73478 45810 27588 01938 50337 47290 90345
39691 94763 26914 71934 44954 07566 22885 09139 05529 22171
49381 83088 53213 03300 33691 23648 79489 94175 96008 27180
18109 98208 01606 36137 36767 06092 40051 53890 05037 04237
11158 93263 30763 25506 22375 82191 82108 28158 27274 74942
37418 13958 59851 42345 30116 21383 44308 39463 80799 54866
85009 74137 33735 36011 66311 24858 39934 87712 16931 81375
53993 87135 18558 06519 36900 48466 63398 42628 81977 21399
90317 11065 06160 16270 54297 78218 73793 91799 08877 86458
45141 66363 06263 73465 66780 38741 44816 28374 46084 29267
18576 58177 76970 77341 48531 62813 09116 56211 00315 42392
77798 90987 18008 84975 36593 90814 28752 08372 60064 31138
97842 54369 08686 47013 39003 58843 73141 23378 09519 46186
40214 93243 44925 21489 47442 79725 12931 58913 18734 42869
91265 09694 98125 17185 99151 78204 23872 50860 37060 39532

10058 82551 14466 96990 27913 16726 70279 03012 04026 83465
15634 91855 77634 93691 53731 97568 84194 25721 56420 55646
57394 04129 02207 11806 66822 56814 05368 86344 33465 61238
90878 67486 90218 15753 94817 32182 79618 96972 94951 17777
05955 89108 18272 00000

Link 60070

10736/9419/8121 kHz, 02-08, 0030/0040/0050 UTC

11166 60070 75319 02001 00049 00000 00000 00000 00000

10736/9419/8121 kHz, 09-08, 0030/0040/0050 UTC

11166 60070 54879 09075 00049 00000 00000 00000 00000

10736/9419/8121 kHz, 16-08, 0030/0040/0050 UTC

11166 60070 86231 16001 00049 00000 00000 00000 00000

10736/9419/8121 kHz, 23-08, 0030/0040/0050 UTC

11166 60070 54213 23001 00049 00000 00000 00000 00000

10736/9419/8121 kHz, 30-08, 0030/0040/0050 UTC

11166 60070 45869 30001 00049 00000 00000 00000 00000

Link 70059

10263/8126/6888 kHz, 01-08, 0400/0410/0420 UTC

11166 70059 54213 01001 00049 00000 00000 00000 00000

10263/8126/6888 kHz, 15-08, 0400/0410/0420 UTC

11166 70059 54213 15001 00049 00000 00000 00000 00000

Link 70202

11076/9053/7386 kHz, 01-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 01-08, 1200/1210/1220 UTC

11166 70202 14526 29067 02139

80323 23210 93878 96983 29220 38445 72161 40630 17117 68713

89839 22710 06020 56058 92158 19624 03797 44081 93500 60090

13092 16298 37873 71350 81128 38874 81376 35246 98820 49953

07575 08838 22645 62750 11724 89271 17699 74606 14773 27565

45391 99179 93099 21008 44197 63978 34898 38863 76917 40403

59166 61060 42880 98506 58230 34560 78519 03640 49741 77081

94772 97185 49078 82883 24731 28557 98106 10286 79979 30654

11212 55608 39068 55970 24564 43230 16549 15524 59538 86450

86017 87812 36234 98830 55594 89974 98032 60721 19284 28343

33119 70642 32657 70583 03922 36224 86276 06604 20398 84378

75326 90413 18106 95400 88855 80137 26992 90683 67105 18350

41847 28731 00324 19943 30358 89160 67530 59685 39691 49383

38664 76689 87552 83642 88534 37955 48654 39110 96039 28177

72531 68714 27067 58023 93646 25397 24529 08045 19707 47486

53961 50422 09156 89863 78123 15735 73750 80622 59049 96932

67177 07907 10964 07703 45647 66606 52531 37423 11389 19606

31839 69877 75002 53271 22593 57935 97586 31865 14923 71371

98596 80570 49270 60020 40360 51816 66768 99445 25189 54598

74570 11324 66025 51464 49551 75715 16569 52871 28833 77422

71801 63587 60558 53614 74868 60841 13356 34910 91242 08885

67935 97105 36110 39678 39252 65733 65916 54374 02673 40641

70012 67211 00000

11076/9053/7386 kHz, 02-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 02-08, 1200/1210/1220 UTC

11166 70202 14758 01068 01839
05256 94453 64743 08105 61655 23989 87898 90245 49021 68251
66979 77530 59959 71204 01466 40660 89555 91162 72363 06814
59419 39755 30753 71114 18770 06132 12600 39444 02276 64873
72028 63550 49305 91018 50235 54363 14298 30671 22232 84486
22937 00596 88617 15774 53803 15265 04549 12949 50218 64784
63108 29194 91934 92133 75255 74648 81385 43156 13544 03759
24178 87745 11799 82410 08499 35664 37942 20781 13144 95417
82137 82857 98845 49644 27470 08549 62585 45437 95321 09335
59587 23052 82649 23386 22672 31427 33336 41094 33659 03958
10822 36953 26514 92964 64180 68720 26915 86286 04854 29805
57936 54445 36206 65813 66530 01811 03105 91193 50501 20206
53705 66914 90649 68394 30633 25121 17783 25885 33744 51690
69279 94483 21658 62648 14887 46045 44248 35360 56446 39847
23273 80448 31231 58036 23342 65374 73587 32572 80402 25609
14561 62117 79930 24348 24201 42304 02017 46690 26228 57819
75537 39236 39749 09740 08590 31027 27713 76564 87391 96767
56797 32369 60814 48283 98396 70532 52761 65121 25422 06467
69556 00262 84585 57780 94541 21857 48855 25335 87071 76949
79784 68181 00000

11166 70202 96358 01069 01539
82819 84676 50878 78866 90862 71772 09326 28826 43613 22074
52455 97025 19539 37171 09483 10867 37255 93220 51597 53329
21802 41088 36419 03988 03445 69082 65434 44957 41175 89233
59114 55227 88114 33034 79391 41804 40991 67596 54193 81112
40892 68160 83707 69089 17471 07877 33078 03401 93802 50819
41211 46230 94065 59159 00385 41071 21243 50435 86343 81956
97038 65852 43573 58570 81179 35564 55432 25677 12304 51858
53843 70300 37617 86191 48213 75098 23510 11010 78286 01364
64310 12291 20607 40091 31379 03748 03282 04553 29718 78627
08738 62807 54288 60048 69145 33596 63220 35810 84211 94048
10109 88606 16027 72646 02577 57599 40638 25881 79293 92262
61062 22027 22640 84461 11402 80503 49207 89684 06769 40219
45312 73374 18689 55368 39718 43295 80691 42107 30759 53876
53756 24542 10031 93454 06309 53471 49870 90379 88461 96325
46773 98887 05174 21728 37971 50716 18030 27125 33331 83363
30315 69151 00000

11076/9053/7386 kHz, 03-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 03-08, 1200/1210/1220 UTC

11166 70202 85296 02070 02099
53044 25717 04962 90279 35819 50556 45989 89645 54086 00556
46636 32752 02060 68149 50881 23539 94722 79694 22709 17945
66819 59184 08437 54271 18434 24879 63588 06305 74329 54770
24007 57624 49252 81845 25888 20542 36379 05066 04438 48108
61091 27003 25819 12621 67277 54082 32096 49076 28335 20355
03846 87000 00068 20742 70139 19093 57673 64689 20576 80129
83984 86176 99043 34551 01188 71000 83917 96186 63165 87289
84369 28539 50688 30174 07471 99074 36613 16555 75793 85957
13298 90910 00180 60660 99404 28073 37377 94889 68290 43913
87228 65269 65157 49878 09092 54212 05174 12311 62193 70423
69730 02490 99590 37467 43029 48338 70437 23840 56194 23719
10235 12980 31093 36272 23761 36667 41039 99722 90362 20223
30596 01602 46298 12981 61634 02309 23818 02435 77850 26466
51670 35525 04939 32490 46721 95487 28581 71328 51376 07704
17466 70289 96489 73002 83513 02910 94448 51824 96491 30795
92119 47718 95213 28366 38349 63585 62514 26463 45699 29111
56168 35720 51113 22829 12968 35675 05190 37254 68122 40537
44757 60519 57183 77542 28445 72944 92668 38859 39918 81997
32595 92956 88486 44062 83078 66383 61756 46465 02210 31899
10027 48191 97389 63889 67104 02731 33308 46996 37241 11487
92745 48921 02864 81199 57412 93317 32795 70207 00000

11076/9053/7386 kHz, 04-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 04-08, 1200/1210/1220 UTC

11166 70202 78921 03071 01939

77251 07217 61397 75184 89135 61925 55804 73701 24957 11392
25935 93325 42842 74157 79024 17874 75039 52263 04255 63144
25034 60561 38074 97298 38189 23710 67905 53132 31877 70524
22668 74430 96001 80385 23551 63596 99878 61377 93478 22735
66403 64863 48710 05376 99433 66163 20997 21036 75339 66038
83749 59797 34640 92663 80649 29092 34694 08772 80127 19887
49344 53669 04172 44439 26479 74791 04882 12834 39449 28508
87217 40471 93256 54841 01377 03700 71473 55812 53234 85781
34821 32076 06293 80377 07347 57550 73571 44743 11131 96715
22869 19808 35473 94289 43854 59349 51486 91937 50396 35432
08032 51731 16599 12298 69957 91028 69957 05911 84532 58473
90080 71325 87067 05784 86421 85080 81617 35042 53447 14796
57721 26152 26685 93165 29121 74160 88090 38534 05384 91136
94164 89239 32372 52275 25263 43915 62508 90943 79537 24936
40748 72326 59942 07197 17223 00381 27738 79409 22479 37774
20949 30107 66250 43503 61192 75544 45704 57870 97318 71678
74097 89514 59319 77419 65777 84181 20912 61337 38477 79915
94265 69016 18819 78366 05286 93237 61992 86899 22904 14183
21521 11193 40811 01847 30065 03006 35069 97839 77203 92816
46037 71191 00000

11166 70202 57231 03072 01739

85679 03580 74870 03563 49760 27065 33377 29932 92859 09292
30405 05751 31524 31208 36771 90560 65672 78521 86562 57498
49541 40159 88159 42193 04908 18149 92396 77307 62539 78611
66284 54909 42805 98560 45743 83860 11382 88184 65765 34417
70990 93302 91468 87223 75120 07695 98460 28886 74645 49970
75957 61315 33302 84682 51092 17033 72944 92364 57857 97612
34523 18182 99106 77460 65731 53885 75068 40112 71234 32747
76794 39239 86449 42182 67989 01545 60792 83722 03658 13748
61325 35052 59004 60832 32769 93770 67026 07755 74788 07591
88231 41800 22503 20642 60927 17758 41162 90584 05511 73137
70907 56199 81199 05568 82585 60165 18645 29611 30520 56691
76860 55145 13199 58706 97897 54523 77812 04278 57726 10686
29568 46968 36730 63422 31740 99797 58277 95957 07368 87504
68794 29066 78553 86801 57776 14885 04308 59301 41179 47631
02847 06814 56631 33388 69318 03683 43895 86174 24865 85867
09020 42463 57975 01454 95624 11344 44058 52268 11751 02524
54179 81303 85709 99339 88887 85623 49383 68985 98087 59451
72393 72171 00000

11076/9053/7386 kHz, 051-08, 0700/0710/0720 UTC

11166 70202 74158 05028 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 08-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 08-08, 1200/1210/1220 UTC

11166 70202 96325 05073 02039

81850 40322 38288 95535 40751 96209 17916 60931 35561 67143
45553 06838 18049 16126 32091 42079 79179 07249 19245 56554
50069 79167 90705 95745 68258 45247 16592 01726 76512 56299
10891 19112 46324 86849 06572 89391 43312 30894 78070 82071
76705 18046 65811 36078 00093 86040 82483 09846 55627 70532
05731 63541 78883 98093 86959 21850 06538 93396 30948 90763
54076 36479 25940 26814 55702 31047 28921 82188 83641 69752
35751 74148 89033 07385 90851 52219 31584 77899 16130 61557
90181 16244 63830 25957 71655 70894 22996 98913 59866 18064
34236 56197 72317 13500 92474 28368 16467 42821 42384 96666
62948 56326 96171 00723 77855 99211 28426 31518 81309 73135
27696 08043 24481 90074 09497 61074 02252 04393 20432 72529
43711 34078 88112 43817 47677 07075 96566 91632 55413 93646

91821 94631 77752 10722 47357 39419 18793 09138 44099 39296
63368 79743 44659 24192 20476 39278 66498 25228 39847 81975
83700 02354 43850 07836 12050 88473 41912 63480 57099 48528
19648 56556 29907 76948 19888 29605 60143 81925 57781 04340
61245 29935 37171 32282 27311 48956 60429 12669 66414 13817
48934 63591 00043 62104 16376 57292 83329 14080 62089 55557
25770 95040 76590 06149 17126 83548 76501 86205 88181 33990
11069 73201 00000

11076/9053/7386 kHz, 09-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 09-08, 1200/1210/1220 UTC

11166 70202 14528 08074 01579
08827 18994 67088 99259 70597 64570 70300 50462 94790 88835
20133 02202 66674 15662 98613 52981 95539 50360 01613 03699
68670 18299 75670 60576 59716 75490 14701 37390 33640 02096
71236 30473 15438 14769 61917 64896 14814 58788 71904 35284
24005 65913 87902 89692 30929 88901 14492 29999 14864 48619
53439 27222 16820 54689 50692 75230 01820 85615 40730 31264
55250 39309 42971 16706 80492 89970 89915 76551 90000 12252
91715 21004 07033 58644 66853 97637 20206 01024 93630 67557
58079 72294 62135 84012 75938 69071 31391 96882 71973 01331
21366 31474 75045 99969 94537 15083 71214 18220 06686 49740
61234 87841 31625 54585 66177 16041 89540 26316 23409 34047
33624 91131 40068 33288 74708 46618 96258 50104 48564 17023
15138 84927 55572 70333 42086 66876 27436 70613 00142 99699
00643 64039 13902 49997 01340 22049 19054 63676 71333 90073
99755 21553 89881 15261 21022 70064 70980 51647 48324 88009
40823 66206 71582 75260 25122 74155 00000

11166 70202 34587 08075 01779
49695 54375 82739 38972 65046 09366 72610 81544 37278 33683
41521 20441 92032 51698 67167 98301 88393 63201 45348 53389
88924 12340 28421 80559 08325 49624 29073 18912 95373 60440
56620 02018 27876 58495 78016 31702 25278 67649 20745 61284
08643 40564 59806 99234 62685 87601 55966 69179 79537 14413
37462 87191 88940 91664 42359 42294 04559 05318 63731 91143
41082 60926 64865 02790 81821 40366 56674 14484 01489 34443
54500 84454 73824 99826 56501 52598 18786 13727 10814 45009
68974 24767 63659 83304 59984 23488 05608 84661 74364 80914
58166 63526 93885 28630 67888 70909 39792 78783 00196 32226
05728 07490 50083 69598 13034 50032 11917 19582 43083 81330
75497 82223 26370 80088 40578 62419 93008 00083 67031 89484
14359 97009 02843 25890 90443 84338 57132 01092 62857 16607
10375 31402 57855 23592 79015 11822 89295 43806 76675 90798
76143 30732 39116 63818 54202 30268 05169 46789 86782 52785
70806 15149 03975 88257 58540 19628 25225 37905 69352 14613
44904 60757 09318 60045 85544 58618 08131 82790 48449 47834
71710 08423 16342 91315 36080 75175 00000

11076/9053/7386 kHz, 10-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 10-08, 1200/1210/1220 UTC

11166 70202 94127 09076 02739
52175 34234 62331 78379 94153 64397 65952 17837 84824 17766
98416 35886 91893 28172 80318 67702 27259 10146 34579 54232
02367 29491 08069 94068 06334 87633 62084 39554 05260 11916
92597 41829 86163 69049 66246 74477 93989 43891 82966 90479
35118 50736 01235 92151 45816 69332 86839 18763 49064 22767
71126 81514 48209 39460 29658 00571 30857 66407 17212 23823
81468 25889 20074 32089 26081 32826 11548 60419 57589 14960
21627 90201 15045 03058 56765 91760 15379 83326 30677 22132
61021 29212 92121 07691 71824 54793 60582 66347 14742 56933
05807 48962 29710 38399 32126 04704 75137 29116 53496 00009
41484 47758 70202 45846 06329 70860 83158 12973 29379 01637

06742 39856 10871 55688 66105 62974 61772 05799 89891 24150
59247 52998 34302 34638 85809 16084 99445 00629 75606 56783
23917 39866 16268 82751 68525 44073 79759 95587 25129 66858
80675 76058 11506 41798 85418 23716 38184 60388 20680 93099
58200 64543 54691 93700 35693 33329 49658 45894 94286 68630
08823 10007 31195 09422 66595 30719 07988 29352 95187 63993
53955 97301 26191 78697 43002 05630 10529 50131 30024 95771
65231 87631 57682 35903 80457 63453 69538 30326 85209 35093
90463 65288 95185 78273 60279 20920 91184 72752 31549 03966
01527 08148 67475 81001 86906 01974 00830 16837 51133 47077
39855 47774 26179 30642 32076 44419 04989 91978 21958 43730
20478 11255 63356 54994 94153 46389 72681 69417 02818 60255
33725 28009 36753 05429 90090 27465 47871 58619 86147 68718
11222 22014 42471 77857 48333 33692 76681 54092 85795 54314
05636 24458 47540 22270 89905 09955 04252 94465 06475 32781
28337 14944 60600 19389 27906 78530 72766 79014 58192 81678
01679 76271 00000

11076/9053/7386 kHz, 11-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 11-08, 1200/1210/1220 UTC

11166 70202 15678 10077 01679
95551 46250 87501 51818 85007 40547 49050 84793 50568 44328
10652 20229 34703 48924 98847 15318 20820 33558 95666 84762
80256 19050 00895 80894 16634 08343 28436 44202 62260 87273
03936 60215 06277 84040 55865 83664 59225 10801 17247 15868
83729 35830 80214 46279 45982 59688 70591 94132 67711 93827
34680 11120 83330 65079 55436 31045 31950 94453 40235 77384
38936 23700 47405 64697 66711 88051 43712 54823 39480 58603
09998 53793 71566 02754 37141 60418 54055 36156 79545 02453
79417 64599 58332 21315 08817 39284 31425 91265 11774 73900
72717 84000 32883 96967 27516 14598 65270 37861 36431 29735
35476 69975 44917 24147 29445 59443 40647 96227 14328 92865
85901 78743 35761 82482 37168 05570 95326 72220 69132 00410
37879 93058 45256 98414 03413 41145 02119 36661 23182 77110
39722 74404 64730 70004 34933 29062 55548 34303 20263 38852
40022 33418 95166 88031 49376 48147 62043 55670 89283 33503
04142 73896 74853 12363 47534 06552 67654 79364 74374 84195
94486 13500 79599 56397 52573 77165 00000

11166 70202 97421 10078 01559
63746 82091 10578 34202 70232 24610 16107 38926 41252 26770
12504 00377 03159 96191 92151 26832 04154 82933 25625 47603
47991 66786 91930 32998 37558 93888 55336 47198 82991 36099
55961 69978 54044 71551 06332 48217 81372 09848 11074 63126
36435 10313 51941 24139 44698 66753 05366 25400 11824 57159
84711 25789 67534 81783 24420 38416 56845 38039 48246 40525
33342 05646 88758 39752 34199 40477 50293 57661 41628 00526
32559 16506 60426 52444 57074 40153 66344 32084 63614 05098
04928 57475 68878 02523 45538 17695 04541 97323 20242 86034
76891 95042 02245 30941 15241 52661 03566 23133 01287 94161
96640 62354 96617 16827 89530 72195 10558 99187 09442 36409
75528 46577 74223 75178 22108 35214 56549 84760 71001 40763
70459 88938 84080 62302 34951 75742 41696 77638 94308 17848
38451 90910 99865 00108 14612 58412 82868 02659 65358 03575
73148 13017 95049 57051 43283 65627 08694 82833 82930 32285
57823 76339 33024 78153 00000

11076/9053/7386 kHz, 12-08, 0700/0710/0720 UTC

11166 70202 48519 12087 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 15-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 15-08, 1200/1210/1220 UTC

11166 70202 24685 12079 02699
88074 23854 16257 03254 75387 07967 86184 57820 63378 76329
33230 35121 39835 06338 11629 17636 48682 50198 20381 65194
88162 69617 95438 69631 52878 89726 98071 90402 80606 76929
22874 88341 89845 70366 73828 99749 19015 21683 81883 18008
03256 22775 62460 74893 49770 26224 36352 38791 97624 88087
62425 71987 72973 87737 55588 14233 75619 04445 88444 84763
57870 55387 00072 19966 81611 24764 60375 88870 64537 38722
63439 53673 51485 65761 48323 67456 71801 47320 70733 26304
68685 88225 74012 18006 11431 61689 32888 34527 26530 08546
68402 40430 08554 35414 57478 14450 96758 41477 85551 06396
28349 28556 15704 76573 04342 74172 72739 09916 28966 72298
65639 22007 08531 71450 96831 99185 20710 64850 31721 39925
90167 12318 26898 89663 31473 98589 40491 86283 45235 57750
73075 58416 78406 18466 12591 43775 84665 49707 81693 19693
45858 11645 10999 63046 40392 41410 86632 81772 69550 28409
45530 85151 77653 58866 16946 85041 27005 34306 33571 45269
13554 93638 60729 21335 34228 93547 17075 57660 41859 26873
85231 34519 48640 83657 35805 81881 64060 84568 13225 02328
78250 41366 56825 70242 26671 24105 55625 99451 97091 39768
60241 96520 64786 52011 00356 41870 66897 96709 81196 65920
51886 72992 57462 12438 65032 14447 08111 06282 55891 70201
60485 67724 18674 50538 37174 40547 01465 16763 24076 26095
45236 19992 83087 40466 38570 18550 57859 37049 99056 28672
46056 61560 17275 88198 36557 31807 24321 37938 35034 59332
68802 50394 26350 55146 14245 60548 47210 86727 92843 78380
67499 78482 76504 87808 03757 72845 51104 61746 13210 94213
04913 47966 41817 82899 67112 05441 24750 79267 00000

11076/9053/7386 kHz, 16-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 16-08, 1200/1210/1220 UTC

11166 70202 62315 15080 01759
10232 71381 56579 38127 40313 31592 55382 64551 52725 86424
49939 22033 77193 61916 32525 57372 49832 24270 37252 31637
03502 50355 86330 20209 11768 66273 76658 14487 41166 27436
73931 61184 91456 38571 06460 00169 28549 37121 75880 86768
39799 88448 26949 09489 66347 66299 43607 39081 92200 16958
63499 69894 94742 30526 28137 39448 86345 67781 10899 37165
01799 16019 90043 38205 11214 72354 58936 23332 63110 77894
90664 70751 87362 51228 99238 30864 12700 94669 64562 19858
78443 71691 13356 93095 45169 78992 73232 84216 33981 61629
42097 20906 49092 44645 40069 53252 63389 79651 36115 55649
71671 29779 66569 88168 41255 41450 87743 28335 14630 76407
29801 09260 43851 02424 44086 25055 61361 66151 61108 89464
16918 96537 01346 58666 35330 12231 06076 54165 74679 31447
80414 46720 89717 07703 65740 87248 30126 39864 83711 95638
28324 29959 19047 43409 56526 87169 33264 91150 57711 01464
26565 66700 80212 35285 90047 94964 70606 06750 15446 15346
04594 62788 54568 47702 60548 65658 45636 92784 65436 41281
48702 78077 67785 80173 00000

11166 70202 17439 15081 01979
85889 11231 80129 59944 82307 69092 95453 02477 03733 16029
09194 66356 98544 64728 13669 32593 43840 35895 63553 05286
88804 93890 47813 40087 40768 95748 28547 07130 23620 02010
88901 99375 63279 22809 57265 22307 79898 97654 99905 25899
91496 32338 99266 64821 58703 41406 60086 97795 25301 69636
10537 62057 34268 90965 90578 83838 23978 08280 44698 10841
34279 02532 61234 77607 77116 04614 25474 39743 51393 88410
78699 37926 06759 08496 00394 77633 86010 30883 55756 35537
00797 30288 75760 28485 20303 52327 61904 06032 77623 64099

32860 52429 23484 41581 55202 09034 82027 67276 25417 53061
88330 36561 95349 93623 12346 96147 58313 70993 98961 63128
38021 70021 78858 98012 47542 83660 29857 30208 10459 87515
93439 59386 61425 11375 76133 81155 68303 18644 90452 10494
43069 29632 15066 01372 33679 49621 78902 86005 14078 87660
98862 82172 14535 77019 25833 42036 59512 33234 78689 40906
05225 10699 70974 29383 94104 43720 59940 97317 68346 82987
72641 23022 09718 63387 88763 06171 97828 64108 84881 07842
04052 46959 69832 46109 63264 83861 65877 20648 90613 09421
15372 64779 35496 59553 17590 48394 89918 82069 25430 80192
93455 30177 56658 82679 01961 81195 00000

11076/9053/7386 kHz, 17-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 17-08, 1200/1210/1220 UTC

11166 70202 74158 16082 02319
64346 72089 91992 30573 09449 11942 81213 17786 07607 95921
80647 80511 88373 32228 08418 69987 86034 57785 51657 09445
29612 57032 04218 01426 73204 82378 12690 76610 33851 12253
10402 82574 29095 07688 44101 35934 31447 53381 22992 86304
81929 94163 44831 65512 29888 02812 78758 20502 91260 40155
09553 53363 42499 93394 73001 16938 92306 03589 37072 39414
98411 18237 08571 76381 21537 29894 69976 13746 33768 86762
76139 69972 23506 86189 65530 71081 64183 87015 65726 96831
38944 01707 97826 21534 38461 54211 09473 97934 74090 14474
91182 57594 73546 45548 55661 26223 51277 24244 84793 77375
70743 21253 73994 72977 40770 51674 28622 64101 13174 31895
92113 50430 73848 03755 10557 21855 44487 11933 63374 30635
37147 45492 14804 67565 28823 79525 65870 40582 48238 77835
11537 79251 92020 42583 32707 13569 12469 21856 77795 00516
44082 11072 13522 96811 61048 09179 49637 01285 82880 15570
67263 15320 70379 78662 05530 94801 79121 32072 86207 92005
62649 79326 81004 10867 42558 13045 51239 24058 87664 79534
14552 25334 69445 24729 18368 15555 85932 82418 24772 45848
71254 90695 36507 66332 33005 47565 18770 53842 84635 41652
96493 17103 65057 18941 31809 02775 62626 71493 11365 50820
85727 59072 98204 72623 47111 99611 27878 50299 54202 89477
53476 80630 22537 39446 69287 12079 54551 37345 67743 48289
50870 73290 09364 16545 46316 88462 10373 24592 87808 82229
00000

11076/9053/7386 kHz, 18-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 18-08, 1200/1210/1220 UTC

11166 70202 75193 17083 01619
21090 60717 41854 74395 55596 00083 70019 57748 14180 48099
15576 62792 75216 79918 45660 57121 11222 05857 25505 10132
60360 47660 93501 37105 90617 78146 53168 27768 86344 72663
24188 70260 11853 45802 19725 06453 31740 71799 42193 79545
92649 12074 14674 59894 96141 98321 90157 59995 17360 44623
05817 74562 49195 86986 74473 06650 76617 73766 30469 65737
10872 55414 72116 48735 38233 46962 67917 39824 62987 61714
18739 90094 49348 39556 93135 62898 91979 18343 78000 55864
69827 21774 11743 35514 62928 62228 92158 45407 36909 81962
76213 73762 24833 81135 13897 91488 61107 06082 83342 96567
47131 96279 19419 25711 53355 13447 52950 19251 87475 01201
02781 50187 83405 48723 87848 53329 90757 56872 51476 15476
69480 30163 15049 12571 19377 43075 03276 04760 99164 54104
08225 25303 14772 66012 84308 24272 81563 55705 91420 52964
90184 22176 28401 99981 30692 25946 24016 14907 54690 18463
77660 80515 80127 84860 66933 19457 68468 48546 64315 83159
00000

11166 70202 98516 17084 01839
70994 30825 50795 88450 59326 19604 39957 08924 76720 90201
53552 92359 33196 79110 81061 96187 41067 48763 13915 48922
74730 05199 27593 29413 10624 16611 68121 68050 77045 81213
85142 80894 68534 17863 78762 72649 04477 77860 52350 69415
36647 01401 88485 67174 35356 67070 90238 06929 08908 07861
54961 12436 36034 92117 72801 51487 16014 92873 67091 06651
66151 93989 18838 66425 21309 06560 42468 72749 15169 94000
05040 85784 47934 29271 06091 51930 70133 32661 60326 85995
37225 63581 50320 03466 14703 64794 41429 63808 38359 82529
76094 10752 59425 10904 89731 20471 29257 34111 15388 93620
03256 64789 69352 52159 68726 02024 34920 26889 26332 57415
86478 46657 79865 22653 21122 65162 13999 77026 89959 86285
64710 58320 46340 73897 12080 45520 53135 57082 50129 26774
16306 66697 13403 51054 36925 64231 64975 86929 98837 48873
75571 36924 34163 53746 48486 80862 33807 67243 69991 46672
95187 40391 89925 32051 24350 66192 62138 25461 34670 41871
99489 99868 09324 49975 23088 77685 19709 19255 10451 90326
17022 51269 72284 80843 39158 23655 12557 23062 00134 05983
51566 84181 00000

11076/9053/7386 kHz, 19-08, 0700/0710/0720 UTC

11166 70202 48519 19055 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 22-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 22-08, 1200/1210/1220 UTC

11166 70202 57321 19085 02399
46573 37914 90421 98487 24127 92055 21427 97094 45513 92983
57274 38534 94485 00554 77692 98676 11515 97656 74838 01851
10992 94991 70939 77818 09860 92977 21581 46972 97361 49229
46833 44693 00584 25028 57391 20814 25489 09252 67919 75102
78127 43164 14799 14734 95712 94536 20451 44660 42238 54513
71431 26834 48346 55671 02483 69219 00113 34714 03729 30515
06448 88220 93202 51553 99800 94910 21898 49281 49845 02842
03518 34287 94849 04993 86129 37795 20406 51655 07891 59073
40206 73087 04057 69183 58566 10857 57428 32024 19363 81304
09466 28590 71099 19591 74213 95391 02756 77726 22259 12980
30142 75062 26892 05496 37414 24648 89661 37198 03466 83908
87510 16904 67860 03075 08687 46269 16005 69811 69602 72863
88253 73460 29845 33956 42622 37368 47520 01978 25795 92700
42105 67561 32139 92208 57024 21138 55370 87372 39104 18985
62606 17359 77120 44702 45450 83232 66610 02026 27828 05864
93141 99926 35240 90954 51232 15939 55134 49648 41088 48642
43077 48121 10380 95240 54407 84639 33209 15186 06078 17470
43478 65760 98349 92131 64842 20581 51040 41381 04425 06947
34013 56403 02499 22968 96587 52622 55302 20424 25569 78584
53197 64279 86569 41341 01338 04794 28332 46776 15053 23174
54711 78307 07118 36692 94034 62412 09111 74216 20508 94400
94043 58091 07351 22883 92434 53303 16378 16361 19046 69859
53668 60397 52438 29346 46058 58773 34547 31560 18110 37102
82475 82200 74255 72313 29667 67509 15812 85237 00000

11076/9053/7386 kHz, 23-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 23-08, 1200/1210/1220 UTC

11166 70202 14758 22086 01419
42660 98074 10316 45735 10703 84000 63338 01922 17618 01520
30771 63957 80572 22273 74899 38655 85564 10902 67149 99226
54097 27142 42300 75120 86114 09260 59445 75545 71396 99787
74372 70135 86599 99461 53057 75170 20128 60342 80958 18805
92027 54011 47806 83736 61078 75820 12556 50758 36295 71101
78213 91618 34996 94294 31213 84646 54648 36919 25021 51554
50674 85330 12683 38882 37392 94201 57967 92503 54295 86662
79820 98632 64852 17039 09808 89774 80007 57126 67228 39060

23586 91930 81592 91384 81767 35834 17157 04817 03844 05089
79185 00681 46422 07611 06652 45784 78279 35992 81040 15203
88045 74668 05957 09069 61910 57193 37223 21806 23529 34538
68154 87239 53332 40372 99686 48024 29410 64248 50070 22825
57173 68639 83791 69689 79963 10757 64421 69051 87811 55093
61083 74797 66533 87628 63211 06839 54333 67624 83311 86139
00000

11166 70202 36952 22087 02219
69381 85968 24745 10236 82888 32805 44006 74809 61446 75812
69024 44251 02565 11795 05090 26332 26714 26188 69780 35966
18605 68195 12413 11225 00982 88530 46486 94280 33129 00685
99794 00745 51273 51681 11910 25807 93060 13221 33707 60638
73308 29196 08635 17484 03216 80471 40413 86880 70210 52899
76834 75446 20639 19492 64375 97670 12466 72687 53292 20144
30187 67656 57895 81672 79136 62582 01680 37704 01369 66839
02018 02509 80321 33039 74077 87551 26427 53841 58678 59498
60868 49501 03749 66276 39675 57070 54098 04655 85329 57199
29163 27750 18086 99472 93437 15924 04180 12215 49268 59490
63124 07711 06692 26678 01273 18775 10018 15284 63835 27596
25838 11458 22552 72815 22142 04050 41180 45763 93238 27964
86016 11782 10168 34956 73618 17604 01283 15301 72923 70683
92698 18789 03949 01448 63291 48466 00259 44398 93933 25570
27394 98988 15662 49095 74439 56230 86443 98421 60933 01963
51266 52452 26281 32711 65192 23685 93891 45086 84103 30672
27202 84656 52809 57288 19778 65226 45193 72256 86693 94468
36116 07363 49363 66834 09727 17808 31021 09694 33900 73110
05025 93628 55465 52030 63191 42827 95932 39920 96326 06517
52387 51966 04161 77363 33249 30737 76858 67783 83587 91491
15300 80105 79667 13678 82320 31514 97426 02056 02097 19717
84564 65897 49859 40277 90929 89675 99127 91530 36898 87219
00000

11076/9053/7386 kHz, 24-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 24-08, 1200/1210/1220 UTC

11166 70202 64582 23088 02119
71899 96789 19647 87034 19761 38847 18978 05365 02126 15854
88036 61320 87853 37418 76407 85512 18450 28332 69354 85779
15705 85498 66209 07877 28871 32612 47529 40008 01099 71031
23206 22149 59776 50280 78733 46088 60501 06620 61788 57129
39341 43115 76350 93392 53086 49651 76508 23653 12179 86327
77181 69642 36005 78661 23908 23774 85237 98055 88909 98206
50913 25950 85610 66193 04947 25106 18806 81660 41744 66452
12655 87937 65623 84944 83696 51590 03728 62853 51079 82288
49109 63941 01170 24646 63671 66953 48761 32967 95677 71859
62036 64847 91477 77289 43500 54555 06180 52600 84043 52137
42919 53001 32354 39183 75441 51193 46833 57189 33662 83944
22227 09456 56913 37041 08154 22458 44541 17063 61704 77630
58568 83406 01323 49489 58081 39004 54137 11051 70052 03163
13935 92467 26271 14984 51978 03824 21078 40776 47825 58029
69586 83909 32372 54749 71077 20556 60279 11309 07265 09739
53985 51502 30100 51143 86491 88251 18828 89106 95097 61058
10958 86252 43283 14163 36856 15182 72931 26377 12629 41667
14056 28511 71009 97793 44245 69330 34901 68477 15004 15991
63303 39794 87164 99882 24273 82574 42581 43820 74632 69675
64269 31519 51102 50394 02203 05296 02542 30438 66929 02926
18002 30906 18215 69601 30252 24708 40892 05922 99493 88209
00000

11076/9053/7386 kHz, 25-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 25-08, 1200/1210/1220 UTC

11166 70202 98523 24089 01439

14913 53552 71626 86098 02621 49317 44683 63066 48534 97445
44048 83098 12677 77819 42938 56293 40629 68800 60472 89841
01337 55030 94454 20691 94158 81435 85114 02991 29849 76851
26989 36255 15140 95711 71138 45194 95629 51252 84880 47141
36669 38644 61237 68010 46904 71511 95264 92731 74201 80270
69475 61091 28609 45709 15527 44930 12067 66271 44368 67610
59537 82465 62025 51722 21249 06836 13226 05941 40743 32941
20041 86979 08407 21777 07731 97588 95182 89070 34992 06513
96144 41900 70779 01370 38617 38059 84899 10375 34542 66620
44566 53842 81761 73123 34092 11421 43923 77830 39919 15982
63679 60485 68166 10108 88879 10017 86885 26116 16435 62613
10207 75553 83546 76625 66571 59101 60989 17713 18234 32834
28125 52684 24221 91752 34351 75471 63927 56549 76654 13663
63558 74525 47972 89048 92577 70616 36036 30596 22371 09442
77397 89141 00000

11166 70202 47651 24090 02259

54386 35211 61055 62393 72157 73881 59630 62134 09007 67893
73724 28857 04233 53945 62885 15538 73966 43926 17676 05638
63709 81323 10502 10970 56426 75478 35598 15371 09654 80847
74105 43859 20045 13475 45189 61970 38789 21864 29133 34955
86353 54423 73332 01529 39979 90690 17146 41857 92363 28506
96525 44468 04977 44334 14375 01783 04441 68915 87561 88934
95413 45443 06533 05594 88418 62437 68459 85449 66043 78524
69863 03070 35966 81289 69641 32805 44231 47403 58450 39431
47209 96205 95364 05217 65699 53932 97769 23111 69589 70773
95400 10720 66518 57954 84494 24782 92988 37018 42963 80815
31349 18511 92549 07627 01096 52240 18890 91373 97932 16308
85419 88861 79016 37100 02072 14776 17836 57421 34696 32513
77151 94955 66133 03322 73444 58260 44891 73434 31304 12448
82358 03869 51198 11780 84485 72589 39052 41334 28877 03736
71091 34940 23236 03567 92365 61577 06088 07850 72411 97413
75729 70355 66471 25680 58341 47147 55729 31555 51188 56373
64972 84271 01870 18218 81144 23604 09525 04733 21212 92944
58966 54205 22778 86149 23646 29772 55895 00338 98414 26956
79508 11840 48005 59820 90954 17474 82167 80417 41974 08345
93412 11231 19664 68347 18280 95287 15806 14566 08086 93643
33011 21757 20083 84909 01123 98097 64956 46518 02309 04395
71619 22424 28278 33937 55221 06902 18069 95178 99320 99165
49844 64445 88152 90223 00000

11076/9053/7386 kHz, 26-08, 0700/0710/0720 UTC

11166 70202 75196 26014 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 29-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 29-08, 1200/1210/1220 UTC

11166 70202 74158 26091 02039

49423 42391 05298 92129 22573 55162 39716 94275 69812 05055
13404 62653 05425 21951 43132 92901 41567 11435 55821 89623
26227 13333 24989 67355 41830 63472 23307 32105 06671 69605
45957 16891 46365 37429 84481 69725 27513 07638 55801 17476
70755 89947 16104 54042 85409 05043 14278 26287 92875 70349
64588 16161 31002 90613 43280 42450 56593 39192 38785 30600
88252 41003 10243 24032 56737 93077 33999 35411 55032 83647
42787 61284 05305 95701 87265 08543 84954 05953 74617 06133
78922 15160 63873 00460 50462 70721 22674 57922 47558 67505
75136 23011 87165 37831 95527 05411 84483 66550 27421 94545
19423 92165 33032 25004 57480 79920 02415 41278 67181 77796
77215 35256 01306 91362 68653 54910 34061 38408 74437 07608
71402 69297 24293 06494 76690 63983 08783 33376 78857 41623

71132 16550 55293 43725 66709 47003 06616 76772 19888 81436
65525 25247 32948 05542 06938 71015 26719 55965 51559 79990
17651 24403 80115 42016 60996 92265 00417 74916 14791 69342
34429 28636 04329 34909 17563 50425 91806 04710 27357 96986
80835 72267 83735 04542 10505 97933 88042 52739 18674 44139
93032 83346 79206 80269 21001 59674 42803 05609 72249 77649
36146 63786 91076 64490 99019 47167 81463 25923 64120 14617
89663 91201 00000

11076/9053/7386 kHz, 30-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 30-08, 1200/1210/1220 UTC

11166 70202 15648 29092 01859
28360 60906 80649 50888 16938 32729 20658 36549 79087 41507
98751 18244 44773 61359 81981 88532 38292 96264 77725 96676
42842 21661 35411 26027 31205 56605 01080 35567 17228 39939
91960 01563 07795 08896 83261 20238 59977 03588 24345 57427
73041 45807 26494 56138 70008 65584 89440 37961 48458 73932
58858 59266 05251 05229 31995 08118 64866 77654 53636 52855
66047 45141 69591 78267 86420 39262 29888 70301 09805 24497
58854 35250 65877 15318 34294 64341 96889 28524 42916 79682
31123 69274 04239 22484 67774 74243 80122 69510 02946 60344
12148 88689 51443 52461 53999 69816 44058 88614 91071 91299
05031 26012 64457 08872 39370 96413 41524 77217 84729 84249
00258 40442 07516 25930 19566 52334 47932 53788 92721 12342
43624 33081 06143 28213 86634 65499 50690 41239 93341 57624
57671 75018 92077 77749 76737 93710 58107 49532 37870 80690
50655 55891 64627 73548 31677 51602 30854 16382 71053 08013
78031 15309 67895 38331 35464 08134 42654 76919 10483 84122
79718 11025 40854 14804 25183 88387 26590 81746 69489 49172
83329 12250 69606 55646 84499 58871 90459 18056 84428 83756
70279 40126 39604 92183 00000

11166 70202 64853 29093 01999
11712 31109 57347 30152 03917 54878 12475 99995 88132 70760
65018 23972 92343 03607 38913 95177 24109 76549 51455 83263
22564 14730 50691 15156 30823 51079 63069 07066 24735 13837
49786 39942 58920 00497 95249 95572 16033 67859 76123 95523
70182 92895 84359 10091 00454 84089 02690 29457 15462 47962
55977 14253 74874 40457 86902 67691 18857 57873 29388 96477
41350 47048 78226 52667 68145 39447 78326 73682 25675 38885
82038 62644 11464 17538 47970 76241 02183 99944 79750 12290
60232 39688 28178 14199 24804 18435 05171 34514 98342 22027
82986 24729 64370 73315 77122 43556 97580 26414 36351 00846
52167 52072 88315 79323 39308 68843 14137 01367 29742 99743
50456 32972 42394 59088 42360 42123 04957 99188 95619 53745
97393 71602 01685 68418 14290 82616 33867 37059 06977 47665
38158 08740 91396 74352 67108 93840 32609 28782 30211 09723
41911 64870 59226 01111 47480 21335 11892 52359 24499 16057
62437 33820 95684 92475 52364 49457 38167 97741 99910 77938
57652 97278 91646 24355 15811 55470 04637 24786 21825 37138
32607 70877 24027 09521 14547 46624 62588 49415 89201 94553
69163 85187 23872 53487 24454 28338 90969 35072 09623 74295
90768 31270 12484 77149 43776 69992 74422 93197 00000

11076/9053/7386 kHz, 31-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 31-08, 1200/1210/1220 UTC

11166 70202 28439 30094 02079
95603 57237 47388 82600 78631 72025 97222 99432 41998 89481
10575 11274 00344 45578 56136 80803 38140 93006 24112 67708
72152 82284 75453 93617 69876 22630 90023 01666 41099 08573
43369 59123 44812 23216 66805 76533 78624 54099 70472 41787
42899 82601 34082 92574 96773 32805 95018 75662 48268 90781
88497 66412 45659 30218 19455 47004 62317 05333 70868 66776

92175 97009 78190 33141 98046 23096 24581 06496 79951 48797
36626 97585 55648 58106 85238 90736 70570 72204 21418 41408
79335 25773 01562 21501 66026 37156 82012 10851 95432 33305
87535 58361 12434 15443 83409 61193 31712 76397 05810 35461
84991 05521 30192 76874 17978 42156 82342 34750 54194 63566
21797 47853 67902 18280 52306 15479 33289 40781 39042 02234
42112 08488 37230 99942 06990 26948 61893 95124 92524 54201
53399 15471 41439 00235 18492 53762 87932 62473 51505 92670
75415 83248 65431 78872 20841 40167 87545 19919 92796 05340
99271 02294 95555 34385 24967 54105 76271 71160 99323 00841
97511 79152 68069 87623 42298 35465 01662 66420 43868 48342
26650 71613 57317 84165 04407 32402 15337 14859 11906 95451
35212 21639 04243 56233 69275 16063 63578 22498 16018 64279
64194 58308 34015 25457 08354 82084 25887 40301 12647 17083
84454 30610 49513 17758 18296 94205 00000

F06a – FSK 200/1000

6916/5851/4831 kHz, 04-08/05-08, 0400/0415/0430 UTC File 44439
6916/5851/4831 kHz, 11-08/12-08, 0400/0415/0430 UTC File 44440
6916/5851/4831 kHz, 18-08/19-08, 0400/0415/0430 UTC File 44441
6916/5851/4831 kHz, 25-08/26-08, 0400/0415/0430 UTC File 04442

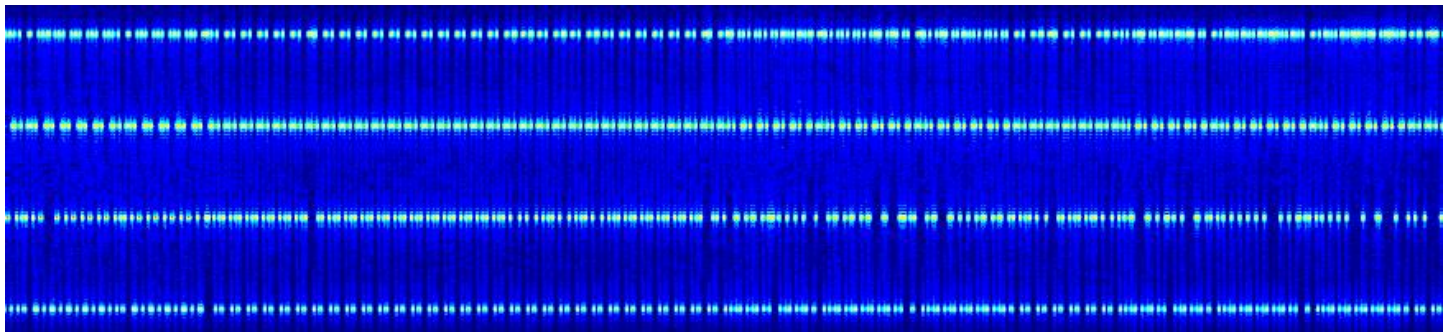
19478/15975/13917 kHz, 06-08/07-08, 2100/2115/2130 UTC File 04432
19478/15975/13917 kHz, 13-08/14-08, 2100/2115/2130 UTC File 04433
19478/15975/13917 kHz, 20-08/21-08, 2100/2115/2130 UTC File 04434
19478/15975/13917 kHz, 27-08/28-08, 2100/2115/2130 UTC File 04435

6957/9425/11611 kHz, 11-08, 0600/0615/0630 UTC File 42474 (2013 bytes), binary contents
Note by PY: 10-minute transmissions, 15-minute spacing, switching to -0.5kHz after the end of the last transmission.
6957/9425/11611cf is a known frequency set associated with F06 00000.Goes well with the unlikely file name.

F02

Mode: MFSK-4/150Bd/4000Hz

10681 kHz, 05-08, 1200 UTC	13484 kHz, 22-08, 0900 UTC
9067 kHz, 08-08, 1316 UTC	14918 kHz, 23-08, 0830 UTC
14918 kHz, 09-08, 0840 UTC	14918 kHz, 26-08, 0830 UTC
14918 kHz, 12-08, 0833 UTC	14377 kHz, 29-08, 0830 UTC. QSX 13484 kHz
14377 kHz, 15-08, 0835 UTC	13484 kHz, 29-08, 0830 UTC. QSX 14377 kHz
16083 kHz, 15-08, 0902 UTC	16083 kHz, 29-08, 0900 UTC
13484 kHz, 15-08, 0906 UTC	14918 kHz, 30-08, 0830 UTC
14918 kHz, 16-08, 0830 UTC	14377 kHz, 31-08, 0800 UTC
14918 kHz, 19-08- 0830 UTC	13484 kHz, 31-08, 0810 UTC
14377 kHz, 22-08, 0815 UTC	14377 kHz, 31-08, 0815 UTC
14377 kHz, 22-08, 0830 UTC. QSX 13484 kHz	13436 kHz, 31-08, 0822 UTC
13484 kHz, 22-08, 0830 UTC. QSX 14377 kHz	12125 kHz, 31-08, 0830 UTC
16083 kHz, 22-08, 0900 UTC	



MFSK-4/150Bd/4000Hz

HM01 - Dirección General de Inteligencia

11435 kHz, 01-08

Groups: 02644 71262 10774 07441 68501 41811 (repeat of 30 June)

Files: 50360264.F1C 22067126.TXT 42571077.TXT 80270744.TXT 52746850.TXT 23554181.TXT

No transmissions on 2, 3, 4 August

11435 kHz, 05-08

1608 UTC: Radio Habana Cuba followed by HM01 repeating a message of 24-6-2021 and files sent in RDFT.

Groups: 33181 11747 11183 82285 71264 87747

Files: 10323318.TXT 50721174.F1C 30161118.TXT 36048228.F1G 01667126.TXT 36858774.F1G

1624 UTC: New groups and files sent in WinDRM.

Groups: 22836 21581 05813 67101 27041 21617

Files: 80172283.TXT 31752158.TXT 74000581.TXT 48786710.TXT 07752704.TXT 50562161.F1C

11435 kHz, 08-08, 1600 UTC. Repeat of August 5th

11635 kHz, 08-08, 1822 UTC

Groups: 22838 21582 05815 67103 27042 41201

Files: not decoded

11635 kHz, 08-08, 1830 UTC

Groups: 26851 21584 05817 67105 27044 41203

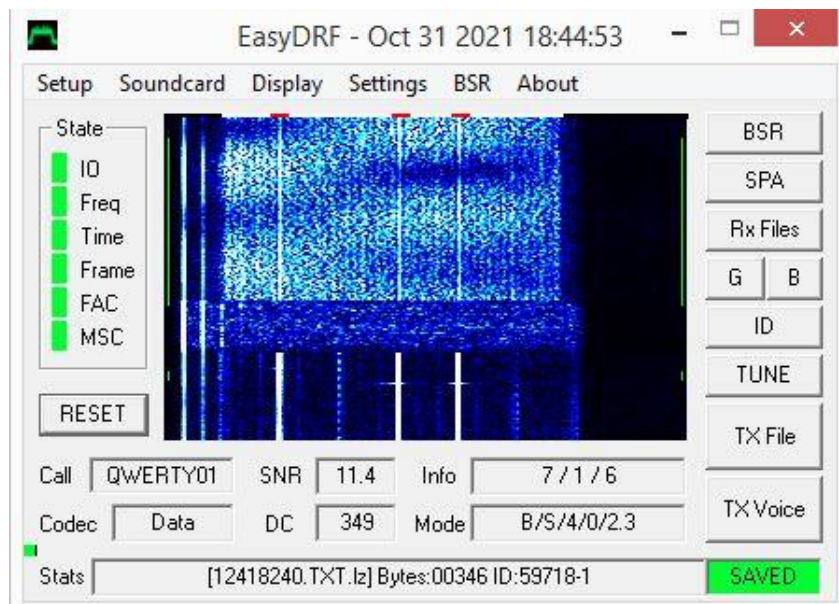
Files: 24782685.TXT 31752158.TXT 74000581.TXT 48786710.TXT 07752704.TXT 86304120.TXT

9/18-08: Repeats of August 8th

19-08: No transmissions between 1600 and 2400z.

On 20-08 they sent some odd stuff. A test I presume.

After each group the same file was sent with **callsign QWERTY01** (see picture)



11462 kHz, 20-08, 0530 UTC

Callup: 02323 76136 22851 02761 11856 82407

Groups + file: 02323 76134 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322

Callsign QWERTY01

File: 12418240.TXT

11462 kHz, 20-08, 0558 UTC. Should be on 14375 kHz. Off at 0610z.

Callup: 02323 76136 22851 02761 11856 82407

Groups + file: 02323 76134 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322

Groups + file: 11855 11856 82406 82407 02322

Callsign QWERTY01

File: 12418240.TXT

11635 kHz, 20-08, 0759 UTC

Callup: 02323 76136 22851 02761 11856 82407

Groups + file: 02323 76135 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322

Callsign: QWERTY01

File: 12418240.TXT

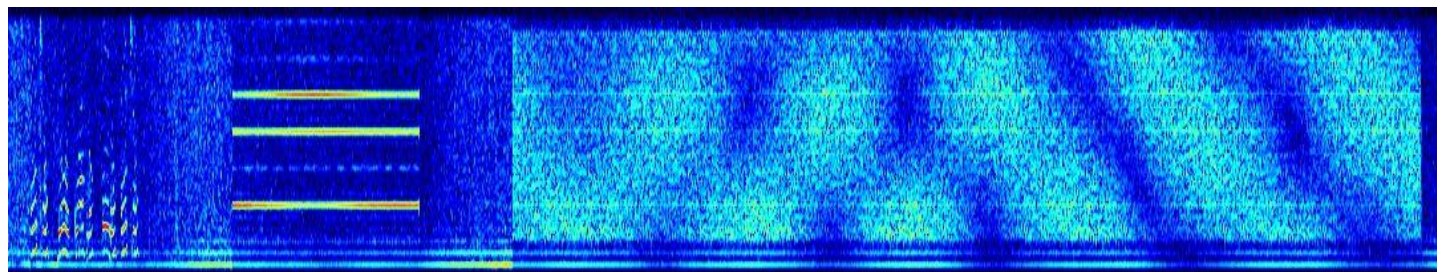
11435 kHz, 20-08, 1615 UTC, i.p.

Groups: 02324 76137 22852 02762 11857 82408

Callsign: QWERTY01

Files: 36680232.F1G 50727613.F1C 36412285.F1G 22110276.TXT 12261185.TXT 12418240.TXT

21-31 August: repeat of August 20th.



Voice (left) and WinDRM

Q26 - Chinese military

Mode: 4+4 QPSK 75/3000 LSB

4243//9054 kHz, 02-08, 1145 UTC. Messages followed by morse (M95)

4364 kHz, 02-08, 1131 UTC. XSV85 sending messages followed by morse (M95)

17372 kHz, 05-08, 0834 UTC

12503 kHz, 12-08, 0610 UTC

18911 kHz, 17-08, 0800 UTC

XPA1

10234/11511/12117 kHz, 0710/0730/0750 UTC

10234/11511/12117 kHz, 02-08/04-08, 0710/0730/0750 UTC

829 829 829 1 829 829 829 1 829 829 829 1

01587 00094 36468 42171 15348 37431 14809 29253 81584 32458

30150 12616 57187 55265 75836 42306 32721 22238 82044 13088

78626 77431 70855 55668 82063 11940 84539 09723 39374 02691

53945 93749 27907 05068 96152 71650 14905 73718 96245 78832

57722 43051 08150 11495 51869 03410 25820 18569 76514 33806

11558 32395 89657 12800 30883 07740 82556 51691 80462 22945

96616 03966 84426 04652 59463 48852 85767 38091 76649 79954

48311 26372 45581 04118 66257 01911 97198 56991 51227 46461

11884 11289 60202 93924 37573 72803 72776 99078 73303 46580

84945 59774 56791 78691 99517 63696 37437

10234/11511/12117 kHz, 09-08/11-08, 0710/0730/0750 UTC

829 829 829 1 829 829 829 1 829 829 829 1
00754 00094 35949 28812 91034 27766 18875 57283 50386 36904
63386 43837 49603 97937 62832 06562 20135 31642 86160 91141
80064 75633 43930 39511 37954 06841 25270 85106 46077 68152
20184 90153 11391 18281 58475 91837 84420 86248 41286 44012
08343 93511 28351 71171 47615 36610 13866 89090 49914 55434
16358 59662 52852 37873 87133 57356 12820 45807 17502 22627
97589 47496 11121 59226 98704 01147 15560 68226 86462 45600
55817 07291 98656 75703 67657 98530 12063 61991 55068 07862
39507 01689 08692 31077 22583 78942 18183 77631 48460 08271
57400 26801 30820 82693 87844 98780 40132

10234/11511/12117 kHz, 16-08/18-08/23-08/25-08, 0710/0730/0750 UTC

829 829 829 1 829 829 829 1 829 829 829 1
05130 00146 41816 19037 00139 72600 37683 47391 03756 89911
48222 17859 05126 77540 83115 61268 39305 50674 18203 78936
49794 62192 29579 05402 29911 36892 76853 49008 52242 87045
43244 65194 51805 12699 35877 52129 38671 12265 63822 95968
44263 50904 55397 90926 59122 78169 96386 36599 11587 98971
32798 25351 52698 33356 06502 87098 76167 71724 96580 06614
07104 95188 62619 01168 03824 55392 62500 76757 40076 70185
38630 76180 97746 76615 37923 83945 93824 38205 16754 91607
62337 22744 96389 52219 75636 66338 95311 70923 23464 36271
38884 13972 29654 73741 34222 91949 71461 89202 57103 12454
19016 17317 94392 34789 38956 93266 04700 50825 68270 27370
37028 40096 16771 92142 58712 97166 12218 72842 77199 93489
62987 55239 18051 04344 95679 85424 73965 63109 23640 47098
95422 23358 12510 97679 86741 94876 43731 09052 21858 06667
19650 54188 41441 01709 38460 22849 41569 47880 04200

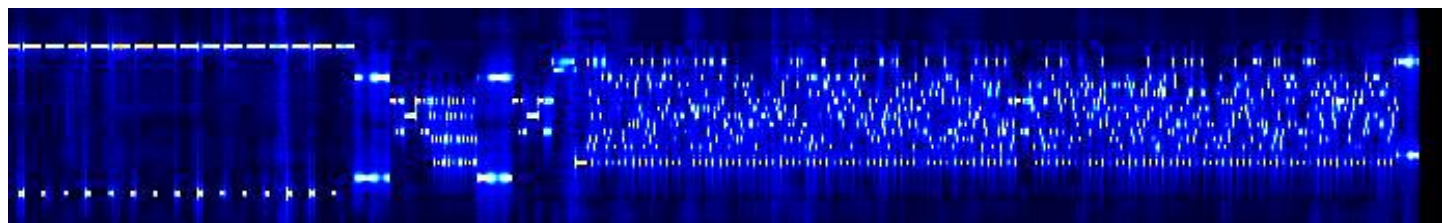
10234/11511/12117 kHz, 30-08, 0710/0730/0750 UTC

829 829 829 000 08492
00001 00000 34271

13491/12191/10691 kHz, 1210/1230/1250 UTC

13491/12191/10691 kHz, 03-08/05-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1
09253 00130 36189 97079 64776 79898 32954 52151 36827 28936
91737 22686 73047 43808 72535 89693 23596 06524 26200 28719
67013 38837 43708 39655 45022 63573 96283 42783 67139 14137
54509 96759 31388 83075 94074 30010 89971 24108 26925 69716
04869 98301 01016 10505 24375 37470 97988 34392 60290 11960
21268 00775 10335 51302 11663 99602 68952 91188 43467 79260
68331 25241 80795 92939 80955 98926 26478 20838 78965 97441
68232 30127 40526 89495 11759 44257 50410 88984 88389 10213
33779 61273 10753 77036 46707 46410 76879 14212 24832 72457
58251 36166 62806 28450 63943 26455 43280 97206 22962 73704
51276 41061 10040 74380 76939 51030 29638 31936 77505 96910
98993 16710 66810 81103 35077 69058 58885 88449 72623 00767
21399 33724 07367 09466 47953 66965 86489 31239 38403 59231
42776 39064 26336



13491/12191/10691 kHz, 10-08/12-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1
00714 00116 44992 09129 60585 69120 89300 37839 55402 93811
23085 89449 56693 14438 47442 82605 54445 09557 25500 45165
99663 34021 48914 31827 83693 50563 24745 74373 66564 48751
93313 45881 22303 97019 90974 11888 95047 69694 43757 96095
88937 43943 25641 26711 33425 04662 47735 28654 83560 93525
72622 41708 07081 76119 29206 28136 31631 46193 44495 08322
78704 77280 23223 60613 86505 84821 60060 21907 26775 26680
71654 37118 59748 28465 56377 86345 18258 18305 58948 72815
35217 38774 95170 07387 79452 52289 30351 33167 77142 43577
75035 23017 07916 03621 64337 84850 95743 16655 33037 23289
07112 44102 96838 96983 72022 02244 72257 81463 87179 46836
65696 56813 46570 06762 93428 74949 97373 78152 43665

13491/12191/10691 kHz, 17-08/19-08/24-08/26-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1
00816 00182 56286 73251 13298 13081 36170 75981 14353 15543
04519 99123 10495 25226 33267 41581 45343 03093 19424 21128
89767 74121 96439 71791 94508 62224 16380 13350 65039 79572
39616 33249 03264 72250 99958 42500 62156 86809 94820 27821
37411 93645 12356 33588 52901 38416 13832 36977 58581 39249
55937 61582 51670 55809 50414 37936 31011 43036 10957 89689
94807 96394 88195 22305 57556 67251 90379 58592 59245 46566
22929 56580 81186 42516 65888 15501 75902 96661 29242 73024
49661 27245 70861 35461 96900 22517 01197 28457 58082 50704
99794 96486 72546 92607 98413 02846 88969 50772 81146 61275
99282 88661 31489 95112 83095 16283 95863 80052 97909 81324
34705 95805 25885 42681 58408 93941 87951 37145 55962 13748
31488 17619 05961 51630 58682 57991 08588 20235 27177 94579
09486 05957 79667 92403 69413 91117 97736 57814 97462 30026
35122 06387 77561 72735 50674 34544 07327 72160 30371 43437
83032 49585 92983 94353 02902 98548 37632 23612 35191 54130
31666 25412 82371 75124 16440 38533 94392 87195 66587 85204
15564 74811 42754 22342 84506 17450 68720 47751 08791 60383
33767 44427 06887 04167 27321

13491/12191/10691 kHz, 31-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1
07428 00174 56960 86576 41612 90954 36408 11546 04440 65591
41064 41769 50551 93831 67360 82462 98183 55217 98035 14375
98233 93367 98114 89205 36490 55172 56455 81887 70099 62870
63188 27873 29444 71681 75582 33938 26396 58518 17326 25069
57818 93746 55056 37345 41293 92401 86332 14938 19131 98723
46858 08489 09805 81173 40133 05708 55706 47675 90310 63377
46350 33326 82624 79297 31638 50234 32880 46922 05722 89581
09901 72556 14699 43484 08205 96075 93419 73048 47925 50068
85736 77833 61192 93658 75409 71365 84829 59706 25111 82060
36771 39377 75531 37033 87621 39866 13858 16638 36650 17546
99194 87944 33567 86196 08648 06991 71546 77214 97239 90804
69259 02224 74945 52765 73568 02088 03120 49907 27148 68570
06178 66764 81650 00501 04656 60361 18930 31660 02272 20479
62156 80484 79239 64823 43054 20585 37823 56295 34606 60755
53752 58157 20551 32506 71062 53647 56971 45673 40929 84939
94533 80362 41027 71004 29894 70481 32389 82246 32194 47859
48320 61639 49482 25670 86762 51478 52926 83032 07546 17627
05785 54693 32667 26342 36234 85102 55367

12152/13552/13952 kHz, 0700/0720/0740 UTC

12152/13552/13952 kHz, 01-08/03-08, 0700/0720/0740 UTC

01360 00122 44781 26160 04190 75181 04183 42626 46529 11904
95114 18172 95833 74072 56906 99717 97311 74524 22027 66886
47341 19601 05995 79095 24770 07951 73391 59683 67477 59710
08129 56822 05906 84682 72396 71621 23934 02498 90455 54286
07268 65921 25743 58724 07490 66169 55622 36116 59124 47023
99892 32699 51484 77709 84106 06893 93327 69573 29657 93567
44958 39345 72629 64860 78070 28880 97842 07606 71179 74443
53402 57619 65103 27535 23196 99120 41984 81063 94383 56562
05539 88526 23996 34818 60757 17039 99227 34951 17533 12199
58981 51211 59462 30643 47947 58739 30227 09094 63603 70289
95370 73166 94898 55664 47486 16228 77706 22305 22685 53782
74684 18704 55197 46866 74385 71975 42731 26693 86150 44805
68251 59537 24697 38573 15777

12152/13552/13952 kHz, 08-08/10-08, 0700/0720/0740 UTC

00435 00154 82333 23594 63039 13554 94310 39002 95266 12995
55358 49360 39754 40229 64485 89127 80453 92897 17713 61165
21067 05182 66494 69752 63232 83765 58928 57748 70809 99289
61909 54529 77121 40667 84388 72851 16052 22257 60890 47732
51888 57056 74083 54663 55864 44228 42447 34161 31734 08506
44948 07567 55393 67809 81946 93886 08356 18214 57137 45425
58009 33242 65660 13197 72395 42725 51737 51415 70100 42763
21527 94527 61241 70082 04610 60586 87097 50517 90603 29147
74122 50052 15949 09108 48577 54353 62817 85603 04045 12473
58069 50211 16541 25682 87310 89458 49063 94197 37985 38698
86668 60100 84762 44374 41841 30515 80788 91695 11014 95520
02273 27574 20533 86552 68035 15172 84732 10704 98481 43450
84710 37154 60573 88163 30833 71292 98499 14947 39342 35861
99002 53734 14931 04608 28033 80461 04957 07959 32784 45120
60272 07163 45313 28691 77512 71364 88983 11680 30270 38373
88275 83417 11429 87758 60430 89670 53764

12152/13552/13952 kHz, 15-08/17-08/22-08/24-08, 0700/0720/0740 UTC

05904 00106 06506 23804 73107 55776 22694 45261 47852 12339
58458 23399 35311 99013 21649 21370 01317 83265 39599 35027
33495 55439 21879 93927 69356 16715 75882 85659 55289 27152
22998 59952 90853 39534 87851 91131 79522 50239 75260 63344
75264 12017 05280 40712 81905 92337 25811 84247 34539 86875
40301 21651 23341 15532 97434 73404 47649 00475 06461 89927
13237 48428 55559 50025 57509 38293 22864 17557 71334 26808
03636 61434 10645 50089 10537 81858 65304 30525 36921 81459
26017 16635 22646 46710 83228 71610 80647 02639 58949 92361
36051 24203 70097 36378 77645 61305 03803 35701 02983 94793
54751 34139 31983 75613 70073 66681 47210 95844 45604

12152/13552/13952 kHz, 29-08/31-8, 0700/0720/0740 UTC

08477 00096 31621 50456 27591 81051 22750 63267 69259 20561
83098 27100 51417 72102 24853 13775 76675 92011 68979 60677
92430 56464 44372 57504 56675 79780 84280 00798 86668 16538
77244 13701 10314 17120 52467 55294 79800 23692 79117 49585
79244 03650 30178 98608 14838 41742 51389 21512 74240 18612
91000 44981 48046 89859 09160 99040 56129 14021 57594 77033
80683 15056 15818 34604 03379 62496 54376 65561 22652 90681
46941 66717 05165 99211 58276 46880 09250 91951 05514 46490
29980 00905 36475 25725 53746 16540 00293 39894 64726 74174
87543 99680 48534 82898 90552 55313 06552 27972 51131

18059/16093/14874 kHz, 0910/0930/0950 UTC

18059/16093/14874 kHz, 01-08/03-08, 0910/0930/0950 UTC

01831 00058 77704 72626 99910 40313 63410 09631 57193 75820
00640 32775 29922 43097 73155 10732 65099 04938 34590 32661
40641 67901 24563 13197 39399 29730 46734 67511 77898 83653
12844 97695 70098 92104 24416 76703 34354 48366 46161 24706
50315 16666 91414 94025 66553 03783 74182 37834 40111 84718
97410 05562 40646 18529 61768 07160 01322 37981 67365 47838
36707

18059/16093/14874 kHz, 08-08, 0910/0930/0950 UTC

04259 00001 00000 36661

18059/16093/14874 kHz, 10-08, 0910/0930/0950 UTC

04800 00001 00000 35254

18059/16093/14874 kHz, 15-08/17-08/22-08/24-08, 0910/0930/0950 UTC

00902 00110 11595 13676 36631 70351 15290 76963 49086 67525
20184 50398 12579 54090 51513 57716 90305 85024 43729 99116
57538 29011 73421 74687 51902 46491 08344 94183 44901 40379
69481 55035 30886 74675 17517 10982 24501 83721 76842 34927
90741 73634 16601 62755 08126 19531 60081 62242 39786 91483
39430 27797 44332 36251 45252 59071 19147 78089 51991 21533
35427 10955 08645 32584 56912 85426 28959 05694 59240 99388
76228 06981 52854 80878 92394 05522 13500 70071 87288 80473
69579 06047 79565 72324 67310 55392 27977 94744 06526 58283
46665 79078 83824 48062 08554 55716 73688 90684 63965 77814
88327 95284 51899 83755 94834 04650 61370 78562 98372 95239
02443 67409 40674

18059/16093/14874 kHz, 29-08, 0910/0930/0950 UTC

09448 00001 00000 37265

18059/16093/14874 kHz, 31-08, 0910/0930/0950 UTC

09930 00001 00000 35664

13825/12125/11025 kHz, 1500/1520/1540 UTC

13825/12125/11025 kHz, 01-08/06-08, 1500/1520/1540 UTC

04200 00155 52190 15314 72545 06646 56187 44806 48511 87511
48316 23024 23381 95305 98879 24823 25226 14974 08804 15794
06069 59323 87077 33488 41145 95218 88360 08362 10376 69244
40337 62629 98335 85681 83268 67758 98968 14948 29108 19734
01586 46557 75984 66266 36152 52776 21997 17033 58640 45339
34882 35532 08271 56620 38383 41335 49309 88902 27688 06663
73872 80256 03754 33105 63011 02651 15376 83309 62545 73614
51959 98934 96732 36990 45889 64927 13912 65951 37069 45992
64802 82889 36653 55611 52192 49438 31128 61835 06356 85744
02296 35765 09581 88315 99057 64754 25126 18929 00780 75868
87410 09872 78189 77215 89953 06001 92901 00784 56983 76618
65768 43022 86638 87098 66703 64455 57671 75850 85554 21543
47510 48623 72696 19492 09515 49265 70032 56568 14414 79607
77908 67413 82568 54028 04161 97925 10411 16081 08802 87945
47473 88602 70409 93191 26288 06489 04328 25685 33214 81638
35269 98939 62437 90971 06700 71461 97452 60445

13825/12125/11025 kHz, 08-08, 1500/1520/1540 UTC

04852 00001 00000 36261

13825/12125/11025 kHz, 13-08, 1500/1520/1540 UTC

03898 00001 00000 41264

13825/12125/11025 kHz, 15-08/20-08, 1500/1520/1540 UTC

00639 00155 86046 19357 75699 04033 13220 20218 06496 82536
20965 26484 05770 95165 11188 63441 41354 90667 89935 27780
61328 13975 69001 70507 67110 97002 13184 21650 52691 69089
68669 58983 05525 87875 57822 50542 69964 01349 28637 00088
47583 47079 77461 60383 58484 62741 12209 71546 31222 90924
05995 75290 48031 63431 17220 66268 79956 76353 59897 24755
14109 01656 89019 49399 15883 95797 41485 03640 41675 53344
11234 36983 14704 35054 81768 07658 39356 99379 78455 80687
90069 38993 70003 39703 79976 22881 12514 15705 63786 83862
92194 22849 09224 68999 46413 11212 21049 81540 79146 27361
54938 44717 40461 58266 91159 47350 86729 50685 67430 08373
18142 22186 64038 68540 66301 91983 97211 32413 63131 27013
69475 39670 19089 32768 51177 19803 57316 84106 92982 45549
74363 62346 49763 26369 08979 36794 14530 19481 24703 93328
62307 77800 81913 56484 73833 43227 91922 14794 85392 49296
59521 39928 45169 35666 74857 73685 27004 06714

13825/12125/11025 kHz, 22-08, 1500/1520/1540 UTC

04302 00001 00000 33654

13825/12125/11025 kHz, 27-08, 1500/1520/1540 UTC

06719 00001 00000 30257

13825/12125/11025 kHz, 29-08, 1500/1520/1540 UTC

00756 00294 37692 89983 76230 76631 85722 59778 20694 62165
99164 22150 64562 08290 73457 25402 28650 12107 82543 43569
53585 01651 24638 00496 76294 03019 71661 58231 37538 04126
97267 74616 45789 21606 43261 69976 13889 64155 00714 70041
04129 66689 00066 15477 05185 47359 57689 87334 70312 91302
57464 93609 92343 77502 78300 10132 12515 36942 97552 84274
74742 86533 33359 44623 26110 22626 63414 02097 54168 10906
32470 38755 25765 11299 43168 37768 12510 42120 95681 28766
51878 12671 10565 49210 36532 09844 98214 48444 00684 45194
71161 52000 84551 26809 65141 82829 99285 17845 00271 32275
06114 59164 73252 10139 98920 47353 03528 15383 99094 66994
70186 11867 86996 40217 81100 97517 47789 24536 23805 93947
91043 13255 41943 40544 30424 25103 39093 36141 55364 83538
17551 52799 92901 53205 81309 54784 32698 87787 63925 65066
47211 93679 38149 21056 47526 09114 96661 28053 12085 99964
20569 97568 19030 46571 26384 55064 84982 39464 97602 47330
03221 83650 47772 49189 13665 66155 27410 38701 69676 27091
12343 64179 22088 29993 54379 76147 77654 83235 61904 03785
58119 20337 04981 60778 95685 47921 85259 25964 52501 24670
99314 73236 79609 62241 18339 83134 56641 05641 60246 32977
45769 95739 86252 41798 73743 64598 60539 59295 92338 68304
92732 41036 95767 45019 22535 03844 60551 60833 16969 09390
43385 66798 37132 14206 37341 90778 88316 62624 88889 61815
65694 86857 17091 98894 89445 12221 52378 74319 31555 28294
89739 31457 19149 61491 52402 53845 93650 29555 45383 00560
64467 34176 80652 95334 96010 22480 85658 87862 50520 66306
36091 65373 21013 49794 83660 70038 80856 86568 50257 26491
80718 14439 52073 17492 13249 81194 15191 71941 22256 58342
11005 88874 02334 07406 95023 47370 97044 13543 02195 97269
13811 86898 80211 67353 92687 37591 62422

10252/11152/12152 kHz, 02-08/04-08, 0500/0520/0540 UTC

07326 00213 75109 04209 16378 39666 20212 34648 66938 44327
89712 26189 78276 10616 89750 71363 04770 65005 06006 24720
72971 53633 28813 98310 74095 87529 70000 82052 90278 17905
17429 87464 46051 08041 39330 11474 14973 14887 36627 03375
67356 91411 33153 08212 13083 53370 11111 80127 76322 39449
47337 40253 78571 23941 71625 57434 12233 28867 71429 26554
46800 12849 96917 68154 18301 13108 20032 97628 40673 38057
85712 03073 67552 34770 71044 00947 26568 07371 71494 25632
02120 02488 02769 94420 17867 33696 68712 77551 00092 13465
19742 20348 46257 99717 14627 29829 48198 63014 97755 33876
94266 21227 22096 29555 46222 64928 99762 07305 80154 48723
20626 56693 72236 32200 48276 87764 57101 79377 61578 35976
18526 49667 44355 54378 08027 78465 30472 14136 36014 78251
09819 65583 94837 76925 25284 87388 07794 94604 57104 77060
24661 26821 35461 66273 96384 52896 98768 08423 05129 21332
77915 77001 96607 68606 22970 87196 64891 01426 96226 87511
65097 98452 47763 94700 52174 15237 39095 43200 42529 96547
44477 16634 02513 95806 48179 37985 71217 69826 22512 75515
96131 30091 05859 55876 52374 73079 04370 59347 11165 60127
18806 95401 20537 94238 20564 81989 31895 58761 59269 12356
24561 59059 43355 16830 21912 29744 67769 34732 17750 99636
86075 13211 29078 23185 04999 70603

10252/11152/12152 kHz, 09-08, 0500/0520/0540 UTC

09449 00001 00000 37665

10252/11152/12152 kHz, 11-08, 0500/0520/0540 UTC

01655 00001 00000 36656

10252/11152/12152 kHz, 16-08, 0500/0520/0540 UTC

03543 00001 00000 35257

10252/11152/12152 kHz, 18-08, 0500/0520/0540 UTC

02086 00001 00000 34262

10252/11152/12152 kHz, 23-08/25-08, 0500/0520/0540 UTC

00851 00195 47104 53044 18456 51457 13813 34865 95181 64770
28200 31146 19234 27347 18466 83596 73302 83581 54420 59607
28612 68422 35518 00286 68532 30345 96152 37150 15323 39027
78007 57707 63047 43056 27808 89482 01806 06725 09966 55199
17963 26343 00623 00304 60243 13708 80616 32035 28258 49401
03394 61949 82644 27060 42477 56667 32253 40229 73695 21092
97440 63866 14661 25375 95109 96858 52586 74515 14680 00843
92282 79616 08232 15293 45670 67858 63981 91474 29790 58762
37436 82501 94220 07163 00705 17640 47642 99659 07520 41196
21249 81257 12874 74911 05298 94111 24847 16125 36919 35349
62308 00544 20948 65974 97070 29226 91281 15470 54085 23242
42573 44663 04410 04310 34685 64428 00187 69969 36073 21929
88725 77753 49761 00841 23148 49720 25238 51041 67821 58601
49091 78351 73912 01193 92271 74600 01608 52338 61996 21263
47710 96054 02859 36153 40922 80614 04908 66499 94906 29690
13880 86963 65025 63842 78472 39189 13196 20966 05698 26335
27728 21942 53758 29441 00746 30799 41450 16778 50222 22032
79238 46708 33642 22260 96846 78037 14183 07080 84102 64314
71726 65089 44745 57953 89283 79393 18442 53490 57389 44286
17893 49840 63084 12496 14284 00092 08623 25332

10252/11152/12152 kHz, 30-08, 0500/0520/0540 UTC

02926 00001 00000 40654

13887/12187/10387 kHz, 02-08/05-08, 1100/1120/1140 UTC

05258 00114 25853 37412 15985 07342 49577 74082 35313 91706
 02723 65309 01448 50586 96553 67245 46812 64063 15096 11242
 09589 44080 60775 20006 12682 01860 44906 90816 78764 80874
 45423 14087 31993 78961 94333 55128 95240 59515 87210 52663
 98824 01569 15514 54327 39546 93783 53564 31139 13003 27973
 60091 99148 45419 07692 35481 70735 93374 69564 60356 15992
 99809 29268 85217 30180 94096 05391 94944 79258 71687 63161
 88163 02574 42743 32295 77217 27335 00110 28885 46675 09994
 85319 42033 33555 92058 61191 68353 40509 60990 26440 40625
 15741 82722 60336 40180 86330 19100 68711 74755 11953 54820
 44775 55200 63202 62162 08874 04451 55822 10218 02070 65147
 48590 29995 38284 01213 07197 50662 00050

13887/12187/10387 kHz, 09-08/12-08, 1100/1120/1140 UTC

00825 00114 31490 06580 92659 12876 82271 65872 81041 89677
 75144 14762 59683 01256 27112 74866 43198 09977 35344 19096
 71343 87281 68357 14946 41205 65943 91234 78051 43341 19333
 37736 25622 52802 20768 06919 57927 80225 41568 88940 37261
 69353 34847 99561 64959 52862 78769 75913 54308 19126 28747
 89063 39654 49596 09170 72688 60291 23874 02813 52949 79854
 96370 70662 59534 83578 31282 38888 75620 71481 54676 79698
 51530 29839 80452 68220 91687 45862 12783 92755 27325 01236
 83455 85040 26226 68941 94765 23925 45044 95872 03817 10410
 52275 38319 90035 47861 43002 68625 95938 25260 36352 86447
 62819 90875 78668 90388 02050 78574 31630 07720 38036 42912
 23258 39792 39711 72768 19744 42573 70711

13887/12187/10387 kHz, 16-08, 1100/1120/1140 UTC

06469 00001 00000 37664

13887/12187/10387 kHz, 19-08, 1100/1120/1140 UTC

02299 00001 00000 36663

13887/12187/10387 kHz, 23-08/26-08/30-08, 1100/1120/1140 UTC

00774 00198 22542 86730 04439 88872 88748 91231 03347 75613
 53754 62282 36331 78847 26726 83822 72949 09990 51087 84227
 83418 60557 38731 69395 99819 48794 85971 82465 42336 87663
 93554 21971 79313 06861 79241 13131 65051 60547 55443 60760
 68426 50741 36129 61607 80366 19912 49138 97382 62706 94361
 42856 81941 69076 33629 03841 13053 46195 57362 67914 62780
 28282 89298 45016 82479 13148 58601 52597 25747 11510 06813
 43745 30831 85166 08873 08629 19518 47701 04967 89609 42900
 72957 32952 16095 36011 27742 37566 04194 75018 00102 64926
 53845 66292 67215 59902 18703 58131 75624 42309 18688 81224
 24212 61571 05796 31879 45076 22655 93751 43677 34319 24491
 51927 15269 48857 67868 56376 78288 82402 75295 75064 32922
 91036 43125 33209 29073 12433 66454 60401 42866 81251 12670
 89240 38957 78299 29925 06959 15480 07915 82518 13696 26112
 54859 68368 74456 17713 76378 37081 00227 68310 48523 35001
 92028 25642 28298 92699 85261 78473 56601 36562 71848 17386
 24992 49363 74863 82127 81307 58409 00389 28080 69448 61169
 34004 56559 85540 06758 64858 33329 75187 71329 48342 09954
 03890 92022 70578 04122 14479 65312 92613 21290 65743 20355
 04303 91287 44424 91815 66339 27174 81273 06255 96216 14709
 30256

14864/14364/13464 kHz, 02-08/04-08, 1600/1620/1640 UTC

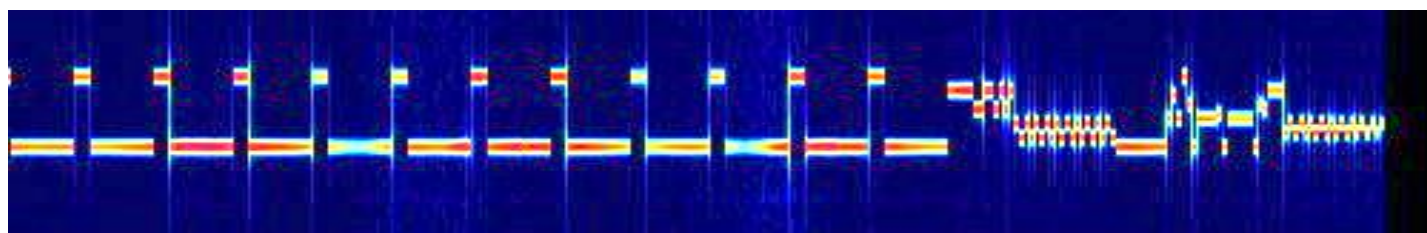
09752 00189 37825 53695 32870 24768 74931 40499 63274 74967
38789 73937 76401 09213 83381 62819 81187 52975 64122 99357
43474 05653 44951 74462 22784 38462 63396 00094 78856 64897
54808 21838 67488 30207 62740 65551 50405 00012 69939 10753
45068 35378 93790 20340 80167 93923 88598 28218 93068 50150
38492 48945 05569 93037 16505 16071 55081 32291 62062 67780
44321 48615 16155 85412 62072 35594 78748 84233 70137 32912
44890 67204 85052 45936 59235 08170 64291 49010 07463 47618
46609 39423 66655 04780 38089 78974 21854 62733 18082 30942
34581 15225 64875 78647 91092 34481 30287 35771 36956 45747
19665 99651 09083 17285 71763 61022 39682 19900 62370 42070
99986 68265 91855 21117 06597 29609 43376 53981 79181 20878
15460 14822 63885 25776 62603 38188 01457 93568 82617 41339
88086 57185 48681 59208 76776 57766 32084 83827 89249 17073
48508 41448 30975 21828 00691 68083 16601 02697 93388 07508
49773 98476 79415 40720 59652 98991 45196 88824 02806 93986
40081 32966 11408 50845 49283 54890 53401 47303 73124 95903
20923 53893 32543 52820 71327 25922 06213 49461 11817 89324
96994 79548 81703 67046 28007 65808 84391 15879 68351 62631
34452 60632

14864/14364/13464 kHz, 09-08, 1600/1620/1640 UTC

07066 00001 00000 34265

14864/14364/13464 kHz, 11-08, 1600/1620/1640 UTC

06438 00001 00000 40262



14864/14364/13464 kHz, 16-08/18-08, 1600/1620/1640 UTC

00827 00185 58088 85684 37873 12377 75820 43765 08121 45289
29718 65043 69726 65520 41434 00027 37451 62733 14593 87753
84695 89857 35899 02895 17092 74710 11334 08185 75954 08475
92409 21151 83431 70183 20400 56609 39972 35131 72464 06720
75404 61984 78500 30388 93375 23784 97510 36501 12216 32896
75904 81964 62534 12702 20181 05050 52712 94310 19384 76659
74372 88532 26480 76657 25186 74711 07009 40440 39961 42217
83952 14638 02253 41112 15340 45339 41776 53652 33111 97688
26151 62424 61345 22218 50001 95443 88784 34153 68867 24176
20566 70976 20268 14165 19174 63225 39508 30723 74343 10718
62633 35218 18962 51651 25043 56515 56714 10411 20693 00978
61243 74893 34348 97351 06225 62868 03397 69825 81397 64640
38284 10496 45136 40899 45957 98520 92651 08096 05664 08467
46855 02781 21619 27714 95070 43875 76281 11378 27109 33666
93234 12742 29235 70064 80307 81771 25653 63545 91894 59263
00198 60623 61039 52004 34886 84978 47379 36315 88199 92457
05667 02676 77428 83609 69898 74926 80894 84702 06352 65249
55664 30345 35246 56006 17208 48343 38863 41855 93987 97017
28495 35613 28062 67691 39024 08076 78605 43123

14864/14364/13464 kHz, 23-08, 1600/1620/1640 UTC

07802 00001 00000 36257

14864/14364/13464 kHz, 25-08, 1600/1620/1640 UTC

05622 00001 00000 35257

14864/14364/13464 kHz, 30-08, 1600/1620/1640 UTC

00908 00185 34663 97891 93515 97772 58504 51367 08377 14171
44983 48457 45814 54595 27729 04070 85240 47156 78811 15166
18066 38824 43002 85606 01573 73666 13464 12111 71422 87255
33941 09261 34273 74529 38539 33833 13791 01575 28957 26773
22244 93562 02730 55356 94136 11821 01026 46472 11978 26786
76501 93137 47290 84662 58335 70565 41960 80925 83360 81019
70650 86466 35831 74672 61953 01392 60123 12985 47214 34821
58998 82288 52905 71239 45572 82616 85306 52934 45481 30450
65175 27027 28426 23549 84507 74515 24671 91897 28435 74802
36929 44053 01055 77638 49428 98305 31211 37690 26110 79012
25618 63681 03778 86880 71584 47956 03584 24031 06134 96230
09807 54511 68429 73510 75517 25133 66037 07059 21600 75537
94436 11789 18317 07283 55337 29333 64568 95874 78081 32614
84612 75627 55944 93681 59694 97034 01602 34922 79685 01666
37164 34816 71424 32242 19084 25611 85222 93255 90729 25360
03554 63791 70967 35088 06032 45521 04620 38963 59795 08584
61170 26749 23930 30740 75881 10577 28725 22776 48808 25915
49503 05243 28442 89762 14738 77918 39048 41461 67393 76353
50412 59614 61349 48314 90846 61061 39028 14353

12159/11559/10559 kHz, 2100/2120/2140 UTC**12159/11559/10559 kHz, 02-08/07-08, 2100/2120/2140 UTC**

00872 00268 93067 10423 88659 89175 79301 82141 34788 99794
56924 51550 38522 28804 80534 86250 22332 32920 40424 21482
44625 45448 94678 84712 07148 99872 76850 75757 84002 61000
65317 63811 72982 46916 24564 86436 56868 28846 57862 85898
88182 43871 94272 98503 77863 91020 41413 06128 23389 16695
08989 53959 33261 68245 81330 95589 57914 13016 87865 53062
91872 53359 88768 10716 29213 25941 87844 70427 24140 21073
47201 99612 87321 80812 76981 80795 21911 55437 75559 26802
57235 92977 35182 40645 89851 61924 89089 96773 58596 72800
66636 43041 29240 38683 70302 03835 01062 11186 95314 13713
88924 42012 98749 74254 70817 26275 44466 30002 49102 83717
64799 87046 43141 93676 17472 52332 13651 16554 79115 61706
85850 51733 38335 86433 60400 47451 32590 83597 90654 90029
43242 03360 35648 75840 81003 45981 15219 45218 94608 43809
70678 53176 70845 43832 09945 36763 96465 47289 63329 01236
00177 88486 61342 31538 66280 10193 45924 09437 99364 13845
22184 14266 41145 87041 29624 70167 87867 97145 99299 28706
32978 28845 17177 00300 31907 67731 52465 62315 87903 15920
66510 22698 16011 53868 50593 89177 66391 94307 65418 14284
27353 88558 66108 77633 92551 10661 86778 96720 50247 57868
28482 92859 99229 99071 69658 67084 82974 64893 56629 11137
91923 53771 67272 92145 68067 19893 34916 85182 03058 04126
75846 58568 90236 95476 02035 89159 67041 40389 81519 11936
56215 00533 67797 64450 05585 79070 60156 02173 54747 37149
54306 35606 47881 31248 55218 88369 21970 05524 58493 35721
45187 93441 01982 68067 88159 78396 54617 69062 93332 37799
32570 27053 88289 07191 60277 51831 30939 84679 07306 90907
34437

12159/11559/10559 kHz, 09-08/14-08, 2100/2120/2140 UTC

06550 00240 41620 89847 46325 51080 18616 70506 85267 11688
89605 45163 43209 88544 74004 14793 26103 06600 47018 66886
47066 78082 79543 06931 50930 44115 55805 01569 11653 15053
23343 80980 01304 84634 86256 37946 87913 73496 66415 72317
00588 58498 81783 86674 36447 80752 65007 35672 88135 04196
11454 04518 77275 63276 62597 52283 63993 44095 03174 16735

73310 76829 94074 25425 29653 27957 96588 22451 13577 49916
58239 73068 03396 42947 78496 36974 48334 03165 46227 06339
54598 63355 51198 38528 94987 53489 16738 91234 77424 76667
75836 67920 57703 78238 65434 16997 26459 65364 36469 28134
74662 52973 65205 29492 32786 74134 65652 98314 40596 88121
25185 75758 32604 15051 04296 67235 70064 23235 87643 88934
86883 20334 05313 43540 50693 16656 28226 87805 21473 06024
26562 91056 41415 25723 81502 92376 41708 41460 85988 32217
67853 87284 63430 95817 20371 69859 27093 36293 05203 30619
81414 46520 94429 63790 38429 01424 90393 06248 05324 68213
58197 84832 66245 64763 38903 43535 76119 15487 78513 39675
67284 02765 53783 38874 89997 65068 79017 75465 69798 07822
51325 12640 99426 05410 40172 73977 08479 02365 09277 85774
09538 70205 08793 69530 13856 76525 04101 20963 74116 64991
11940 16165 13187 75764 61000 60822 75344 90360 01671 42636
90835 17548 33236 91789 35256 58598 67675 31526 72653 44296
04064 31211 38316 33687 17449 46798 01512 39235 97390 52640
42683 50148 34039 28166 80702 73568 80125 84824 09539 11158
42496 20779 06652

12159/11559/10559 kHz, 16-08/21-08, 2100/2120/2140 UTC

06160 00244 30154 89979 47664 10330 51117 77056 78064 07927
72922 35834 06184 19889 25884 71568 10832 96033 65641 36031
29619 81228 13576 87919 89089 46357 14698 83971 57649 33370
71785 72605 87212 76383 71949 49855 48894 72406 51236 25312
96768 61095 67250 19820 52423 15217 44427 31222 42383 52132
57001 41939 38703 49361 72922 16925 76018 88421 57964 16952
99529 40440 70733 27954 17952 29000 22997 02684 75321 38568
67079 21099 74538 07338 99607 58225 19550 61673 13834 33450
62838 85068 67683 96314 39606 83677 29793 12231 26637 64059
41675 75829 42897 90932 71926 51026 06854 47596 87239 05296
51987 30318 69370 99726 81755 68805 56287 02858 81785 59171
59262 64315 87168 33566 49902 54639 14766 53387 87248 28709
91024 49114 30175 70038 97947 86156 61142 74213 31257 67417
77694 48317 86551 90370 53378 33892 38637 13978 79401 52925
10819 88311 37107 14099 53229 66265 51085 44439 77775 38756
32277 05507 80727 37966 55975 99075 70402 53125 61137 99087
96596 84752 63689 62873 79712 25510 27453 88327 92841 11395
01162 93222 06597 61694 92487 12768 00121 23054 90187 60656
84905 87273 18867 29009 94875 32994 23073 59253 54868 95775
22723 68619 61637 62365 09952 67295 96602 19699 37947 34375
08721 46821 30607 70127 03437 37203 24439 80264 73440 38042
02542 80838 21013 89928 41933 67160 27701 61161 66487 48887
82289 58265 97909 24259 34038 46512 88326 78658 72396 86715
18276 92064 39949 94481 73842 06521 21791 09884 83174 51758
42240 48240 04353 54946 85625 55569 43710

12159/11559/10559 kHz, 23-08/28-08, 2100/2120/2140 UTC

07444 00168 72318 39306 54381 86677 72541 84909 53052 92770
41974 61566 82713 85556 94968 32132 25497 35906 43777 41323
07941 23560 76833 21269 02391 78133 44451 02600 29318 66735
38654 59787 03694 29810 91987 81992 47369 06217 57658 91246
23010 90378 80567 34355 75812 85557 41619 27873 74720 64817
60262 50267 61910 37256 54243 21669 45731 31964 39086 95287
84714 19775 94428 77712 16310 59525 67174 38544 94948 01639
73076 02307 91041 77769 49530 92209 24439 60392 09646 22337
84337 11007 53909 97393 06586 64764 60404 56512 40568 42997
91410 56532 75013 09564 83670 44534 90826 65857 54046 21086
86688 02744 08690 54791 79882 27070 65471 14780 13195 96349
12921 54344 50913 82343 41230 66019 79361 39797 74303 94803
10932 93856 47637 29047 89692 67448 59737 60987 30462 64518
51443 17939 49581 51954 37489 03760 43573 80937 12231 31034
55354 14511 30579 18035 71958 23023 31934 72601 68623 00131

55327 25143 94951 57880 80179 63208 60234 42311 23837 38666
44853 92950 59744 27939 95242 26055 55231 69058 91130 17116
72557

12159/11559/10559 kHz, 30-08, 2100/2120/2140 UTC

00276 00226 10110 38111 61695 80733 63328 41879 37985 41466
61097 43108 06986 11227 18162 78358 45489 28548 50582 41701
59282 30531 84693 48407 97071 62441 31194 79712 01560 83678
77459 05265 30499 36966 81083 07819 75934 77171 44022 92505
08389 34992 33051 82519 30365 20540 46104 52572 25217 05932
17823 46903 01557 20483 79036 89282 52043 44612 57952 90240
98072 26291 57664 96151 36522 31262 35560 65173 25624 68279
81153 42329 56156 04284 95334 71237 03946 19777 48005 57799
11127 55833 16463 83653 48543 95133 81817 04708 73224 34992
10149 82699 18069 30672 26000 40345 17883 15673 97479 37177
46290 13374 57060 28020 92112 25337 99589 19952 32021 05030
59378 43109 92336 36253 09560 31328 36145 89091 23518 60000
12528 06373 41446 93659 91329 84524 01810 67992 44688 32736
63828 59583 89258 59684 50828 43337 20289 94553 29939 85772
94683 85829 31216 40950 52882 55565 89894 60365 59521 23154
44941 48776 65520 74149 78954 66815 00442 04031 16957 99492
95343 25613 52533 73484 25874 13829 79555 44117 65430 29921
34968 61239 21398 89710 16002 40781 68457 96331 60304 44662
70517 48442 28659 12058 85112 62910 99254 55703 68356 81083
66990 11807 87031 15230 43520 58102 80827 34944 28734 39422
01880 68901 84810 59113 68499 31091 67260 02121 44842 34968
75738 79604 35106 32074 67012 29106 88643 39154 21613 32234
80826 85458 84613 23988 58460 66516 04259 24688 05035

16264/15864/14864 kHz, 1100/1120/1140 UTC

16264/15864/14864 kHz, 03-08, 1100/1120/1140 UTC

04559 00001 00000 40261

16264/15864/14864 kHz, 04-08, 1100/1120/1140 UTC

01838 00001 00000 41254

16264/15864/14864 kHz, 10-08/11-08/17-08/18-08, 1100/1120/1140 UTC

00728 00155 52708 29135 88011 37142 01950 62137 51321 62003
53925 79501 30592 08166 82088 05330 49811 29829 82595 29979
86827 09512 58289 04430 33462 52550 65354 46113 81889 64682
74312 35054 06121 23003 61040 22455 76151 05105 04000 83617
19909 81499 27628 16752 46622 01070 70045 10930 21722 01109
76869 62748 95333 07549 08369 01017 68678 57190 39921 79320
90435 23863 04202 24440 64970 96812 07604 89273 39717 10408
03600 68306 10763 73288 04559 28369 80063 64406 22225 67245
04960 21426 49045 37213 52256 61521 92198 67344 41918 30892
70863 70694 33193 06005 45556 01757 63778 30993 62256 21623
08039 94716 33056 51776 47311 77881 99449 99825 32034 75455
16378 94887 53331 46029 85640 92370 52259 03075 33913 02652
66176 76077 77517 92858 60551 14056 91138 41314 56733 95913
54460 65454 26471 28863 57724 17387 03205 42525 17553 16721
06684 86679 84475 20740 71539 25291 63548 06218 36319 87924
07456 10285 35029 85700 46765 77449 47498 20463

16264/15864/14864 kHz, 24-08, 1100/1120/1140 UTC

03486 00001 00000 36263

16264/15864/14864 kHz, 25-08, 1100/1120/1140 UTC

02475 00001 00000 35661

16264/15864/14864 kHz, 31-08, 1100/1120/1140 UTC

02329 00138 00918 17607 70530 22007 07321 68705 84653 45173
57951 65161 96544 11771 12565 42243 68413 66826 92054 31995
14317 42285 93531 53167 26835 58813 38867 65880 15458 07198
80819 56448 49719 02325 11304 82865 09721 74158 88085 05706
01696 73080 44393 48657 65916 42188 99445 09657 32673 12030
87873 01315 63035 23498 85076 56663 47105 66843 39995 98770
16405 67799 90005 90209 60142 95938 75415 66263 72278 90038
39065 46508 24872 61699 91262 20713 97491 63475 78358 95283
48298 67805 57123 14909 54439 92896 78594 01550 03740 26533
64997 20599 03151 06780 83169 26429 61215 06527 56814 00238
17933 88782 54044 79410 32146 66444 96906 72162 22082 86151
90681 84761 36126 38306 69205 07611 14323 89626 48686 38804
67070 30280 51778 88876 73689 97921 55768 47034 23992 63458
92012 06959 83349 70345 04177 39974 29070 54162 12431 16910
75041

13919/14719/16219 kHz, 1200/1220/1240 UTC**13919/14719/16219 kHz, 03-08/05-08, 1200/1220/1240 UTC**

00884 00206 27088 85137 09080 06957 70657 02418 64186 51447
22836 98587 41822 26668 20033 15113 90500 36161 86100 43258
60518 19576 29556 09584 38273 72996 15290 58271 81172 82783
58741 78780 16841 20961 28741 66711 95204 40022 24300 26098
81509 91139 96141 21630 41317 40610 79090 11889 18768 09531
26452 20491 10072 21486 94765 37987 99952 14778 15604 21685
10286 32398 53320 38327 15295 60373 65369 62661 91051 69232
41776 30233 66930 95426 98476 45452 50724 12356 86384 36185
79881 46024 21169 51221 33610 55383 41362 63043 01623 02082
69369 30422 63985 29878 82851 64126 44056 51296 30740 27493
57867 26978 79767 28013 35660 46962 15430 91331 24448 08944
42823 81900 07302 12619 98304 71190 13845 04099 73208 83124
60818 94269 56985 20278 75453 79840 66730 94395 50635 04721
62314 25722 50196 84260 90097 86833 00465 84640 37871 62872
15252 78813 43761 19361 51478 01607 23173 91627 52296 93589
31934 90756 46158 79551 81806 11702 64596 69926 83813 10780
84666 91482 51539 69997 11220 28125 51798 68091 39073 09757
84000 76137 24270 50071 28029 42262 41599 72715 96906 83172
11521 22404 18532 11369 40220 88759 60482 70014 16824 88958
65574 26341 82020 22992 28240 24935 79833 68845 89267 54011
50106 97957 00631 43666 64876 08526 17995 11055 50247

13919/14719/16219 kHz, 10-08, 1200/1220/1240 UTC

05093 00001 00000 32666

13919/14719/16219 kHz, 12-08, 1200/1220/1240 UTC

05993 00001 00000 37266

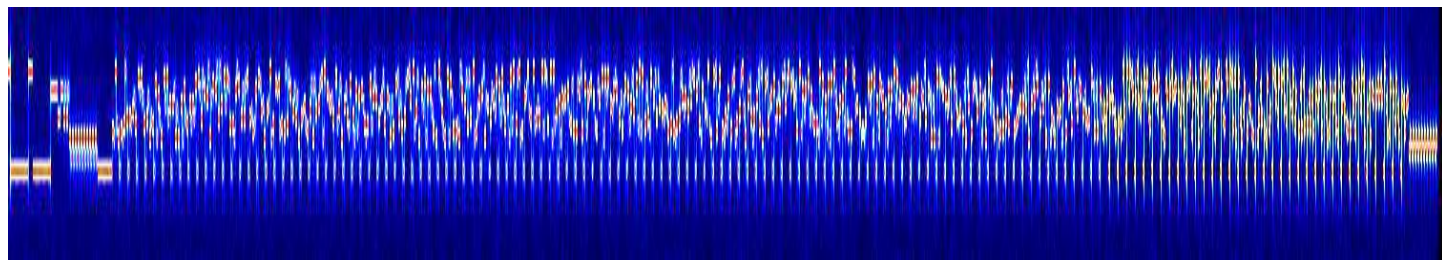
13919/14719/16219 kHz, 17-08/19-08, 1200/1220/1240 UTC

00152 00186 18041 78447 35346 03715 73442 09237 60214 31849
88098 97545 85668 68538 12258 84306 80353 91926 60411 70220
97341 44393 38298 49294 70317 58247 57110 43011 91465 76010
61593 99201 54671 41571 23229 37505 04531 75563 38638 14018
65725 04860 24118 15253 84357 70635 84859 24024 42302 55652
73128 16077 43829 84027 45825 29352 39145 93899 59017 48822
53214 59773 14135 78386 29600 93887 85506 56356 26954 25083
05603 13621 08373 97387 03911 18668 25766 16236 50382 73959
54402 51641 74346 24261 95272 46310 23744 44701 00782 91630
21400 64502 11195 41403 00630 41726 62689 47404 75355 75073
76720 38416 67172 07525 23680 64508 15499 05697 78969 45964
00596 19857 11176 01048 67429 33764 13708 60106 40239 22872
15619 41052 67452 72170 47439 17030 76641 46543 13297 24559
62604 84559 83762 68339 34559 32917 03997 04210 43794 03178

99668 93997 34752 82732 50297 82114 65978 07595 17315 83496
73307 90511 10157 04295 97173 43324 00660 87707 01545 97561
96068 67538 53633 25584 61728 78000 82671 61342 17819 23299
51702 11490 56661 32434 20224 23379 88379 55530 78732 65661
11696 53376 38470 77201 63614 83714 04141 99632 10117

13919/14719/16219 kHz, 24-08/26-08, 1200/1220/1240 UTC

00911 00192 21351 86851 25521 77522 84824 46633 44621 41427
86286 59957 69294 84871 11697 26278 23016 87344 34991 76701
09186 36255 23410 37773 47889 65452 81377 46207 22605 64111
71585 24581 54440 78250 27895 90388 63886 63099 96300 88750
01196 48182 99035 69954 26538 62841 44819 18990 56932 91242
90981 99913 44545 62170 07690 70567 51075 88858 43686 25047
61483 71908 16208 58284 32430 19001 28535 38598 69116 32911
89048 00215 07881 38933 57222 58199 78145 71363 79479 78560
90636 82521 11927 40777 95204 51920 09834 22002 74778 40765
33626 94835 41254 63637 26592 65544 88876 53581 85213 16684
06763 66455 74930 22050 27157 01234 47399 47597 26477 77211
32336 09561 95376 35212 86060 69821 77795 13510 47694 73364
41550 90339 88854 30338 69392 40952 57373 54980 95687 81735
28891 39257 46862 70101 24659 31924 54059 26833 46836 87965
93099 65732 85230 71414 97653 11440 27883 40119 28046 18314
23035 09166 38647 30184 94687 67311 93319 10600 57646 30315
46420 12093 95986 59436 86831 69647 20075 69567 52744 67905
74492 79783 40689 62197 98188 82236 04300 99262 00713 98528
79429 53815 06081 15150 63680 63306 46118 46310 07406 74977
36665 57575 94407 51733 54045



13919/14719/16219 kHz, 31-08, 1200/1220/1240 UTC

05476 00226 23313 62444 39134 33218 74227 43922 71684 61430
00523 46590 17891 04641 67608 08783 73356 00161 08558 45824
15204 86788 22260 74167 18569 59863 24821 82581 85081 24515
39739 53416 36879 51264 15389 48852 60072 91036 81629 84446
00863 60129 58410 15834 87869 58813 62423 05863 84734 25349
33843 95539 58266 14012 82078 98712 81861 37613 01397 88083
22040 16065 45484 16267 73967 69785 98215 18722 46635 92108
35933 58135 35028 46546 12032 28015 69757 45061 32479 76089
79604 82862 32515 75029 51003 23707 79165 19432 53979 84645
55988 09546 31784 92630 49112 37791 88953 18676 74794 86897
36428 08188 07306 52132 09053 90723 06099 35850 46344 39584
16205 28393 77283 76123 15233 00247 00638 38119 49846 22085
74597 82373 36498 92147 84421 22620 92924 24347 61105 90115
05691 06965 18262 40749 43416 87915 25101 19060 33164 40820
85593 17962 32233 82203 92362 25265 08093 39739 29853 01020
25084 26189 38541 46616 13712 81458 32976 94642 23357 07409
89876 47738 94065 92951 98669 81592 46443 04838 41541 72296
16164 16568 23409 01197 06909 37932 71350 54775 11350 41174
58045 09021 78780 50720 17552 92103 65519 00570 66251 69954
99590 98701 41125 03872 77895 07966 33536 66599 61921 11198
10918 98964 41049 55878 32281 02134 08669 52353 13231 53635
28178 06524 02767 96530 44620 18310 98855 93057 07929 59931
52552 49929 64095 34706 28077 66669 60672 17109 10525

14372/13372/12172 kHz, 0910/0930/0950 UTC

14372/13372/12172 kHz, 04-08/06-08/11-08/13-08, 0910/0930/0950 UTC

08813 00195 80318 42215 69795 81393 82804 17210 68409 56297
29185 40803 16754 12341 08234 28544 96388 91104 21753 04611
88782 65090 28255 96889 46310 38964 76396 93064 54313 74851
01480 86436 84021 52255 03281 85483 17342 67924 74353 10521
83142 86182 20516 13428 45532 65429 35977 05727 32470 86649
00340 39751 89532 69535 87682 00397 23188 38075 93269 50531
64803 69725 44964 22453 20994 94746 07288 60719 52887 21770
31504 67303 26070 26543 79939 97204 71563 78894 72367 83678
34206 79290 73508 27759 59199 20766 95729 96045 05273 26555
65633 51394 55855 19728 58253 85636 02705 51507 70864 34944
65796 38283 89363 55543 49190 25241 37797 73612 98837 00521
27698 77417 93398 52327 72348 60706 10945 57799 94011 83998
27021 96759 70422 71589 97080 08150 58139 53508 13013 37955
59943 27965 08318 74968 22655 19326 51752 98096 60300 66607
99040 09027 29408 04254 30050 19105 14495 08664 73484 40160
28188 73860 53332 38784 84190 84621 00846 42087 18090 66233
40196 20014 47100 97348 98795 69766 28584 14958 65986 65235
40715 69061 26632 61557 80827 66696 73803 91106 65847 37904
57163 35712 63354 77487 26012 58570 84686 20760 73687 14622
25150 15281 30987 39488 34634 37251 54687 72203

14372/13372/12172 kHz, 18-08, 0910/0930/0950 UTC

05475 00001 00000 35664

14372/13372/12172 kHz, 20-08, 0910/0930/0950 UTC

02515 00001 00000 36253

14372/13372/12172 kHz, 25-08/27-08, 0910/0930/0950 UTC

04829 00082 11812 05220 73052 45204 92794 22671 70571 17480
29066 22024 04324 75063 88610 25743 42958 73791 38875 03771
10330 24048 44271 12264 51265 35336 12681 16642 11547 45432
56131 43305 47480 21277 63202 18536 09645 97715 75456 38552
17687 29402 73011 87465 37971 44422 93812 57943 50143 14081
22106 28002 17700 15195 65810 45692 33011 11639 21811 73915
01394 68055 61912 87376 32329 69338 74686 25980 46870 67740
01608 80397 54138 87392 67070 78094 91530 35722 48438 73737
82059 17117 73007 58028 10655

13962/14862/15962 kHz, 0800/0820/0840 UTC

13962/14862/15962 kHz, 05-08/07-08, 0800/0820/0840 UTC

00877 00116 47526 85028 72638 78792 47752 45341 74866 32355
76259 26183 77660 46242 33486 07734 53008 47904 19496 71126
53562 31635 82705 54629 57836 00923 34162 48136 69295 24059
36932 25784 66695 35686 56684 66569 12660 84764 91102 49594
72137 27383 77931 57017 97750 16589 51989 10193 56113 09329
10561 69696 19483 50271 75109 55611 38618 22398 49747 02297
14820 87906 46917 35582 20597 42216 43921 75197 28193 69402
42477 60103 89943 12604 17779 24240 19799 53506 88376 46189
15865 28372 83802 34988 90747 57108 29336 16470 45620 16264
48394 44916 63737 27250 22338 25220 24604 43878 61004 11304
21109 00766 51906 82903 09942 97358 27774 56930 91042 32320
45740 37194 49618 35778 25352 82644 75992 22508 65626

13962/14862/15962 kHz, 12-08, 0800/0820/0840 UTC

06517 00001 00000 37257

13962/14862/15962 kHz, 14-08, 0800/0820/0840 UTC

09680 00001 00000 34271

13962/14862/15962 kHz, 19-08/21-08, 0800/0820/0840 UTC

00897 00084 31672 68115 07431 09654 25732 93026 14587 93336
99983 18784 64628 87168 18325 72210 39905 06667 08719 93567
10058 89349 26725 93472 50510 44330 02763 02181 89702 34842
23390 59752 29403 05202 05358 71593 38063 38209 40372 63937
63898 65126 26010 16925 73572 96465 51010 65862 04262 54237
98343 71827 93051 02310 35260 57124 14197 48347 59909 26694
65931 36442 34917 22425 24583 87532 34955 70554 64687 20359
60371 86510 50345 02374 76391 69721 86125 46087 85638 69405
93294 80636 94341 88470 22482 20741 02470

13962/14862/15962 kHz, 26-08, 0800/0820/0840 UTC

09470 00001 00000 33270

13962/14862/15962 kHz, 28-08, 0800/0820/0840 UTC

09804 00001 00000 37261

XPB1

11559 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0500 UTC
12159 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0510 UTC
13459 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0520 UTC
13959 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0530 UTC
14459 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0540 UTC
14959 kHz, 01-08/02-08/08-08/09-08/15-08/16-08/22-08/23-08/29-08/30-08 0550 UTC

15876 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1200 UTC
14876 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1210 UTC
14376 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1220 UTC
13976 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1230 UTC
13376 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1240 UTC
12176 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08/27-08/29-08, 1250 UTC

14918 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1900 UTC
13918 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1910 UTC
12218 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1920 UTC
11118 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1930 UTC
10218 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1940 UTC
9118 kHz, 02-08/07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1950 UTC

13567 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1100 UTC
13367 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1110 UTC
12167 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1120 UTC
11567 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1130 UTC
11067 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1140 UTC
10567 kHz, 03-08/06-08/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1150 UTC



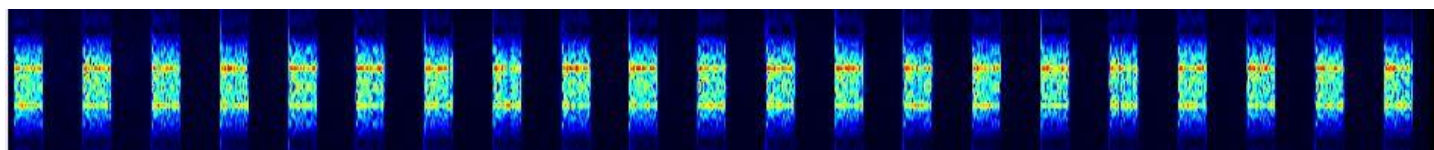
MFSK-16

DIPLOMATIC STATIONS

North Korean diplomatic stations

12400 kHz, 05-08, 0805 UTC
12985 kHz, 05-08, 0448 UTC
16250 kHz, 05-08, 0703 UTC QSX 16253 kHz
16040 kHz, 05-08, 0800 UTC
17320 kHz, 05-08, 0800 UTC
17450 kHz, 05-08, 0800 UTC
16675 kHz, 05-08, 1045 UTC
16250 kHz, 05-08, 1230 UTC QSX 16252 kHz
14374 kHz, 06-08, 1205 UTC
12400 kHz, 06-08, 0630 UTC
16250 kHz, 06-08, 0637 UTC QSX 16252 kHz
12400 kHz, 07-08, 0729 UTC
16253 kHz, 09-08, 0709 UTC
18250 kHz, 09-08, 1140 UTC
14921 kHz, 09-08, 1356 UTC North Korean embassy Caracas wkg North Korean embassy Havana on 14444 kHz
14444 kHz, 09-08, 0757 UTC
11045 kHz, 09-08, 0830 UTC
13115 kHz, 09-08, 0830 UTC
16120 kHz, 09-08, 0830 UTC
16252 kHz, 09-08, 0830 UTC
16675 kHz, 09-08, 0830 UTC
18250 kHz, 09-08, 1133 UTC
12652 kHz, 09-08, 1209 UTC
11045 kHz, 09-08, 1220 UTC QSX 11050 kHz
12400 kHz, 09-08, 1313 UTC QSX 12403 kHz
16040 kHz, 10-08, 0755 UTC
11050 kHz, 11-08, 1216 UTC
12400 kHz, 12-08, 0636 UTC QSX 1240 5kHz, 14300 kHz, 16252 kHz
12400 kHz, 12-08, 0802 UTC
14444 kHz, 13-08, 0502 UTC
16040 kHz, 13-08, 0754 UTC
17450 kHz, 13-08, 0754 UTC
15555 kHz, 13-08, 0803 UTC
16252 kHz, 13-08, 0754 UTC
16040 kHz, 14-08, 0748 UTC
13115 kHz, 15-08, 0118 UTC
16250 kHz, 16-08, 1210 UTC QSX 16253 kHz
13300 kHz, 17-08, 0723 UTC QSX 13305 kHz
13305 kHz, 17-08, 0723 UTC QSX 13300 kHz
17450 kHz, 17-08, 0801 UTC
14105 kHz, 17-08, 0803 UTC QSX 14100 kHz
14100 kHz, 17-08, 0804 UTC QSX 14105 kHz
19245 kHz, 17-08, 0805 UTC
16040 kHz, 17-08, 0806 UTC
13100 kHz, 17-08, 0810 UTC
11100 kHz, 17-08, 0814 UTC
12400 kHz, 17-08, 0814 UTC
16675 kHz, 17-08, 0820 UTC QSX 16120 kHz
16120 kHz, 17-08, 0820 UTC QSX 16675 kHz
14900 kHz, 17-08, 0818 UTC QSX 14360 kHz
14360 kHz, 17-08, 0824 UTC QSX 14900 kHz
16252 kHz, 17-08, 0901 UTC
16254 kHz, 18-08, 1329 UTC QSX 16252 kHz
16252 kHz, 18-08, 1329 UTC QSX 16254 kHz
12208 kHz, 19-08, 0500 UTC
16253 kHz, 19-08, 0702 UTC
12400 kHz, 19-08, 0803 UTC
14376 kHz, 19-08, 1440 UTC

17415 kHz, 19-08, 1641 UTC
 12400 kHz, 22-08, 0808 UTC
 14376 kHz, 23-08, 0632 UTC
 16253 kHz, 23-08, 0700 UTC
 14376 kHz, 23-08, 1225 UTC
 16252 kHz, 23-08, 1225 UTC
 11050 kHz, 24-08, 0728 UTC
 16252 kHz, 26-08, 0657 UTC
 12400 kHz, 26-08, 0806 UTC
 17410 kHz, 26-08, 0806 UTC. QSX 17415 kHz
 17415 kHz, 26-08, 0831 UTC. QSX 17410 kHz
 14444 kHz, 26-08, 0842 UTC
 14376 kHz, 26-08, 1440 UTC
 17415 kHz, 26-08, 1641 UTC
 11050 kHz, 31-08, 0750 UTC
 14300 kHz, 31-08, 0807 UTC
 12100 kHz, 31-08, 0838 UTC



DPRK-ARQ 600 LSB

Egyptian diplomatic stations

17415 kHz, 17-08, 0807 UTC, SITOR-A 100/170	MFA Cairo wkg unid embassy
17415 kHz, 17-08, 0808 UTC, CODAN	99902: MFA Cairo traffic to 33320: unid embassy
17425 kHz, 17-08, 1313 UTC, SITOR-A 100/170	MFA Cairo wkg Egyptian embassy Djibouti. Ends with KY KY RKKKKY HUXD KKK
17425 kHz, 17-08, 1315 UTC, CODAN	99903: MFA Cairo msg to 33318: Egyptian embassy Djibouti
16177 kHz, 18-08, 1609 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
16177 kHz, 18-08, 1620 UTC, CODAN	99910: MFA Cairo wkg 66601: Egyptian embassy Washington
16355 kHz, 22-08, 0830 UTC, CODAN	Egyptian diplo. QSX 18025 kHz
18025 kHz, 22-08, 0835 UTC, CODAN	Egyptian diplo. QSX 16355 kHz
17435 kHz, 24-08, 0800 UTC, SITOR-A 100/170	MFA Cairo wkg unid embassy
17435 kHz, 24-08, 0807 UTC, CODAN	99904: MFA Cairo traffic to 33310: unid embassy
17415 kHz, 24-08, 0800 UTC, SITOR-A 100/170	Egyptian diplo
17415 kHz, 24-08, 0802 UTC, CODAN	Egyptian diplo

16010 kHz, 26-08, 1535 UTC, SITOR-A 100/170 71: MFA Cairo msg to Egyptian Embassy Washington
 FROM : 71
 TO : WASHINGTON TIME & DATE AUGUST 26, 2022
 NUMBER OF GROUPS: 2230

URGENT

=====

002A2 00400 003A7 165DF 6BD52 C50D6 &3?ED9C5 6CC11 107EF
 72010 10044 68064 B1D3D 6132D FF394 3422C 4EB05 91FAD 5F740
 A6BF5 93537 700B5 0E8C0 983A0 5C956 068B8 A7326 CAAE5 FC439
 6796D 4322D4 C0E2D E510B 34727 34DF6 1175C C3557
 650C8 DDF4F 3B9DE 52B8F E3FB2 750C3 4C73B 7103D 05369 8798C
 WXJWF 83C75 FB981 30F25 FD080 8E6A8 FGWE C3 57B0F
 C7037 1A498 396ED 2ECFE 27C9D 9A51A 08006 D8C19 D3982 0C
 846D4 51394 DEFF1 79F64 32883 A0B9B F07F9 9C39B 0E678 0ECF5
 6C57D 1F82D 8233B 2A8E3 A84D9 2D4B2 F7290 88797 2CA65 D90CE
 55AB6 C340A ADA67 BA59D 3D610 B8EF6 1B723 90C2A 857A3 7E7CD
 5FB25 B9490 1C5FC CCBC5 C8653 7DB4D 70111 E2465 CFB02 C700E
 E4F5B 7644C 00232 A8290 EE820 E1C1E 6A855 1290E BB5D0 8F557
 %.+53BA B999B 32577 58B67 50B14 9179E 81F9E 52569 F9FA3
 E1482 F071D E483F 83019 DE039 5C5A0 9375D 9E363 E4F4A 037C6
 0B706 27F88 97026 478D2 4A171 0DCC4 5,C IEQUF 8685B 6CB48
 51365 17FFA 47F2C D07A7 CB74D CB42F C4D52 98591 38499 AEF34

E4AE3 BE314 AB1A4 E6946 EF119 6557B 906F7 4C 734DB
 52C91 ADED7 641AD B51A7 30805 82550 454FF 181E4 D818D 3C8B0
 6CA32 A08E2 83402 2A409 5380B 0F255 2BF36 8E005 35586 44323
 EE918 9BBDD 86CD6 55F8B FB899 3F2E7 BD62E 5CAB0 8388A 1A546
 397D3 CEF70 B84FE 98343 83594 8509A DD3FA 05561 B3755 93D5A
 A95BF 1F491 6895F 8CE59 9D4C5 22918 20441 8A5C6 0ABB1 F7666
 509A8 92E83 EF05D 98B0F EA04B EE5EC 28477 D9ED3 4FE22
 14B50 22C1 2E911 AB0C5 418E:2AF1 E4B9A 08F98 E1CCB 598E7
 1E5CF 958DE 72B8E 39258 CB498 F7846 729DF1412 6157F A544F
 C4796 B6B98 9BE49 17BD0 5D1E8 DC6A6 42AAA E82A2 285CF AA49A
 E0A8B ED4A7 3DFEE 54ECO D4B77 88EF3 FF9FB 466A0 33061+? :
unreadable, faded to nill
 BOFAJ.. L/ H 0032 62 8/ 02 ... 22 /
 =====

JG : 24
 KDS : KDJF
mostly unreadable due to deep fading
 ASS OTI K LKFMH JG KMS--P KY--K
 LDKSUH

 DDHUXD NNNN

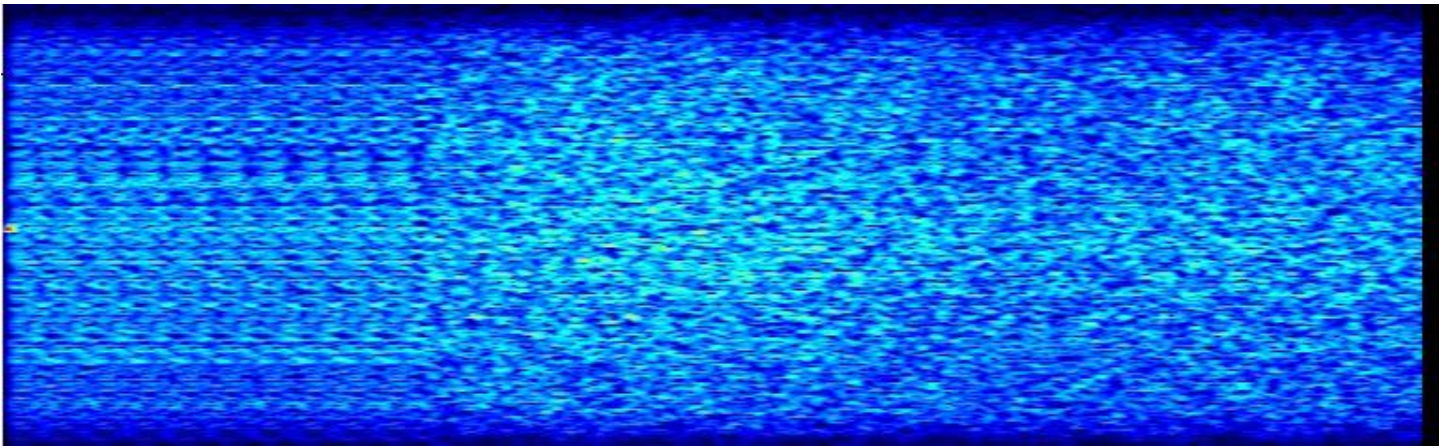
17425 kHz, 29-08, 1050 UTC, SITOR-A 100/170 Egyptian diplo i.p.

Bulgarian diplomatic stations

14796 kHz, 03-08, 1925 UTC, RFSM	Bulgarian embassy Washington DC wkg Bulgarian MFA (QXX 14786 kHz)
18515 kHz, 05-08, 1032 UTC, RFSM	Bulgarian diplo
14786 kHz, 09-08, 0836 UTC, RFSM	MFA Sofia. QXX on 14976 kHz
14796 kHz, 09-08, 0836 UTC, RFSM	Bulgarian diplo. QXX on 14786 kHz
17440 kHz, 10-08, 1230 UTC, RFSM	Bulgarian diplo. QXX on 17464 kHz
17464 kHz, 10-08, 1230 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
17442 kHz, 10-08, 1300 UTC, RFSM	Bulgarian diplo.
17440 kHz, 11-08, 1230 UTC, RFSM	Bulgarian diplo. QXX on 17464 kHz
17464 kHz, 11-08, 1230 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
17442 kHz, 11-08, 1255 UTC, RFSM	Bulgarian diplo.
14948 kHz, 17-08, 0853 UTC, RFSM	Bulgarian diplo
17442 kHz, 17-08, 1300 UTC, RFSM	Bulgarian diplo.
17440 kHz, 18-08, 1230 UTC, RFSM	Unid Bulgarian embassy. QXX on 17464 kHz
17464 kHz, 18-08, 1230 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
17442 kHz, 18-08, 1300 UTC, RFSM	Bulgarian diplo.
18515 kHz, 19-08, 1028 UTC, RFSM	Bulgarian diplo
17440 kHz, 19-08, 1225 UTC, RFSM	Bulgarian diplo. QXX on 17464 kHz
17464 kHz, 19-08, 1225 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
17442 kHz, 19-08, 1235 UTC, RFSM	Bulgarian diplo.
14786 kHz, 23-08, 0830 UTC, RFSM	MFA Sofia. QXX on 14976 kHz
14796 kHz, 23-08, 0830 UTC, RFSM	Unid Bulgarian embassy. QXX on 14786 kHz
17440 kHz, 23-08, 1230 UTC, RFSM	Bulgarian diplo. QXX on 17464 kHz
17464 kHz, 23-08, 1230 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
14786 kHz, 25-08, 2029 UTC, RFSM	MFA Sofia wkg Bulgarian embassy Washington DC. QXX on 14796 kHz
14796 kHz, 25-08, 2030 UTC, RFSM	Bulgarian embassy Washington DC wkg MFA Sofia. QXX on 14786 kHz
14948 kHz, 26-08, 0838 UTC, RFSM	Bulgarian diplo
14468 kHz, 26-08, 0838 UTC, RFSM	Bulgarian diplo
14786 kHz, 30-08, 0830 UTC, RFSM	MFA Sofia. QXX on 14976 kHz
14796 kHz, 30-08, 0830 UTC, RFSM	Unid Bulgarian embassy. QXX on 14786 kHz
17440 kHz, 30-08, 1230 UTC, RFSM	Unid Bulgarian embassy. QXX on 17464 kHz
17464 kHz, 30-08, 1230 UTC, RFSM	MFA Sofia. QXX on 17440 kHz
17442 kHz, 30-08, 1300 UTC, RFSM	Bulgarian diplo.
17442 kHz, 31-08, 1300 UTC, RFSM	Bulgarian diplo.



RFSM recording



RFSM

Provisionary schedules by Anon:

November ~ March

- 12160 kHz, 22-01-2021, 0843 UTC
- 9040 kHz, 02-02-2021, 2136 UTC
- 11011 kHz, 23-11-2021, 1405 UTC
- 12156 kHz, 30-12-2021, 1130 UTC
- 12156 kHz, 30-12-2021, 1140 UTC. QSX 12163 kHz
- 12156 kHz, 05-01-2022, 0909 UTC. QSX 12163 kHz
- 17440 kHz, 05-01-2022, 1330 UTC
- 8075 kHz, 20-01-2022, 1623 UTC. QSX 8175kHz
- 9050 kHz, 04-02-2022, 1230 UTC. QSX 9055 kHz
- 13552 kHz, 04-02-2022, 1300 UTC

April ~ October

- 16038 kHz, 12-08-2021, 1036 UTC. QSX 16045 kHz
- 12156 kHz, 12-08-2021, 1036 UTC. QSX 12163 kHz
- 12228 kHz, 05-08-2022, 0730 UTC
- 14786 kHz, 05-08-2022, 0825 UTC. QSX 14796 kHz
- 12221 kHz, 05-08-2022, 1100 UTC. QSX 12226 kHz
- 16035 kHz, 08-08-2022, 1200 UTC. QSX 16045 kHz
- 17442 kHz, 09-08-2022, 1300 UTC
- 17440 kHz, 10-08-2022, 1230 UTC. QSX 17462 kHz
- 18515 kHz, 19-08-2022, 1028 UTC
- 12156 kHz, 19-08-2022, 0809 UTC. QSX 12163 kHz

Russian diplomatic stations

11071 kHz, 26-07, 0755, UTC, Serdolik-v2	Russian diplo/intel.
16255 kHz, 26-07, 0812, UTC, MFSK-66	Russian diplo/intel.
14939 kHz, 26-07, 0818, UTC, 8PSK/MFSK-66	Russian diplo/intel.
14656 kHz, 27-07, 0749, UTC, Serdolik-v2	Russian diplo/intel.
14732 kHz, 27-07, 0752, UTC, 8PSK/MFSK-66	Russian diplo/intel.
13369 kHz, 27-07, 0824, UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
14515 kHz, 27-07, 0840, UTC, 8PSK/MFSK-66	Russian diplo/intel.
14478 kHz, 27-07, 0848, UTC, Serdolik-v2	Russian diplo/intel. -> 16235 -> 15888
16116 kHz, 27-07, 0905, UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
13985 kHz, 27-07, 0918, UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
14475 kHz, 27-07, 0912, UTC, Serdolik-v2	Russian diplo/intel.
8504 kHz, 27-07, 0912, UTC, Serdolik-v2	Russian diplo/intel.
17458 kHz, 27-07, 1049, UTC, OFDM-45	Russian net i.p.
14814 kHz, 28-07, 0700, UTC, 8PSK	Russian diplo/intel.
10474 kHz, 28-07, 0935, UTC, 8PSK/MFSK-66	Russian diplo/intel.
13506 kHz, 28-07, 0949, UTC, MFSK-6	MFA Moscow clg 164532: Russian embassy Dublin
12083 kHz, 28-07, 1005, UTC, MFSK-66	Russian diplo/intel.
12156 kHz, 02-08, 0750 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels end 0758
12151 kHz, 02-08, 0758 UTC, Serdolik-v2	Russian diplo/intel.

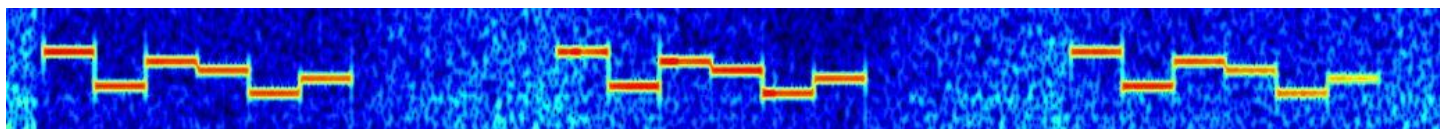
16303 kHz, 05-08, 1017 UTC, Serdolik-v2	Russian diplo/intel.
18332 kHz, 05-08, 1034 UTC, Serdolik-v2	Russian diplo/intel.
17466 kHz, 05-08, 1118 UTC, Serdolik-v2	Russian diplo/intel.
14844 kHz, 05-08, 0705, UTC, Serdolik-v2	Russian diplo/intel.
14846 kHz, 05-08, 0800, UTC, Serdolik-v2	Russian diplo/intel. -> 17468
14568 kHz, 05-08, 0816, UTC, 8PSK	Russian embassy Madrid
15627 kHz, 05-08, 0816, UTC, 8PSK	Russian embassy Madrid
14824 kHz, 05-08, 0837, UTC, MFSK-6	MFA Moscow clg 324615: Russian embassy Madrid
14824 kHz, 05-08, 1232, UTC, MFSK-6	MFA Moscow clg 324615: Russian embassy Madrid
14824 kHz, 05-08, 1025, UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
17466 kHz, 05-08, 1110, UTC, Serdolik-v2	Russian diplo/intel.
13368 kHz, 05-08, 0721, UTC, OFDM-112	Russian net i.p.
14869 kHz, 05-08, 0744, UTC, OFDM-112	Russian net i.p.
16117 kHz, 08-08, 0939 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
16117 kHz, 08-08, 0935, UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
17466 kHz, 08-08, 1155, UTC, Serdolik-v2	Russian diplo/intel.
17523 kHz, 09-08, 0821 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
14971 kHz, 09-08, 1025 UTC, Serdolik-v2	Russian diplo/intel.
14878 kHz, 09-08, 1315 UTC, OFDM-45	Russian embassy Havana. Moved to 14930 kHz
14930 kHz, 09-08, 1317 UTC, OFDM-45	Russian embassy Havana. Came from 14878 kHz
11071 kHz, 09-08, 0758, UTC, Serdolik-v2	Russian diplo/intel.
17523 kHz, 09-08, 0815, UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
14939 kHz, 09-08, 0829, UTC, MFSK-66	Russian diplo/intel.
17466 kHz, 09-08, 0852, UTC, Serdolik-v2	Russian diplo/intel.
16060 kHz, 09-08, 0915, UTC, Serdolik-v2	Russian diplo/intel. .
19612 kHz, 09-08, 1033, UTC, Serdolik-v2	Russian diplo/intel.
10454 kHz, 09-08, 0417, UTC, OFDM-45	Russian net i.p.
14835 kHz, 09-08, 0502, UTC, MFSK-6	MFA Moscow clg 341265: unid embassy
18331 kHz, 10-08, 1011 UTC, Serdolik-v2	Russian diplo/intel.
17477 kHz, 10-08, 1102 UTC, Serdolik-v2	Russian diplo/intel
17466 kHz, 10-08, 0855, UTC, Serdolik-v2	Russian diplo/intel.
10214 kHz, 10-08, 0858, UTC, MFSK-6	MFA Moscow clg 263145: Russian embassy Prague
19124 kHz, 10-08, 0912, UTC, Serdolik-v2	Russian diplo/intel.
18331 kHz, 10-08, 0938, UTC, Serdolik-v2	Russian diplo/intel.
17466 kHz, 10-08, 1216, UTC, MFSK-66	Russian diplo/intel.
14934 kHz, 10-08, 0900, UTC, OFDM-45	Russian net i.p.
14643 kHz, 10-08, 0907, UTC, OFDM-45	Russian net i.p.
17466 kHz, 11-08, 0913 UTC, Serdolik-v2	Russian diplo/intel.
17466 kHz, 11-08, 1325 UTC, Serdolik-v2	Russian diplo/intel.
15920 kHz, 12-08, 0630 UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
15920 kHz, 12-08, 0630, UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
12133 kHz, 15-08, 0810 UTC, MFSK-6	MFA Moscow clg 263514: unid embassy
18762 kHz, 15-08, 0900 UTC, OFDM-45	Russian diplo/intel.
19846 kHz, 15-08, 0912 UTC, OFDM-45	Russian diplo/intel.
12120 kHz, 15-08, 0651, UTC, MFSK-66	Russian embassy Vienna
11638 kHz, 15-08, 0703, UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
11158 kHz, 15-08, 0713, UTC, MFSK-6	MFA Moscow clg 263514: unid embassy
13415 kHz, 15-08, 0731, UTC, MFSK-6	MFA Moscow clg 263514: unid embassy
10175 kHz, 15-08, 0742, UTC, MFSK-6	MFA Moscow clg 263514: unid embassy
12133 kHz, 15-08, 0811, UTC, MFSK-6	MFA Moscow clg 263514: unid embassy
12146 kHz, 15-08, 0739, UTC, MFSK-66	Russian embassy Bern
18762 kHz, 15-08, 0900, UTC, OFDM-45	Russian diplo/intel, Moscow <> 19846 kHz / 20374 kHz
10376 kHz, 16-08, 1032 UTC, MFSK-66	Russian diplo/intel.
16115 kHz, 17-08, 1103 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
17441 kHz, 17-08, 1106 UTC, Serdolik-v2	Russian diplo/intel.
17433 kHz, 17-08, 1233 UTC, Serdolik-v2	Russian diplo/intel.
17517 kHz, 18-08, 0705 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
18195 kHz, 18-08, 1003 UTC, MFSK-66	Russian diplo/intel
14545 kHz, 18-08, 1310 UTC, MFSK-66	Russian diplo/intel.
16277 kHz, 18-08, 1327 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
14820 kHz, 18-08, 1318 UTC, OFDM-45	Russian diplo/intel.
14576 kHz, 18-08, 1025, UTC, OFDM-45	Russian net i.p.
14828 kHz, 19-08, 0835 UTC, Serdolic-v2	Russian diplo/intel.



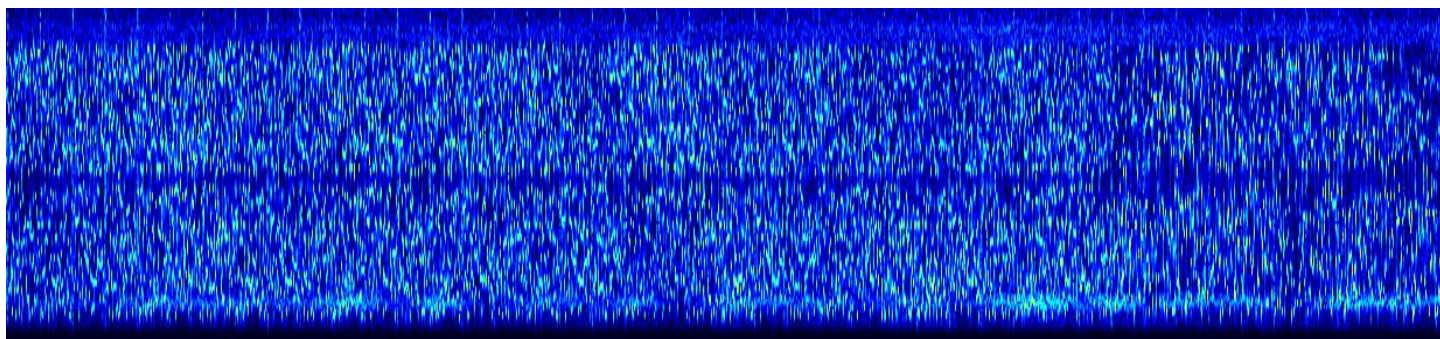
Serdolic-v2

14425 kHz, 19-08, 0845 UTC, MFSK-6
 14824 kHz, 19-08, 1040 UTC, MFSK-6
 16123 kHz, 19-08, 1016 UTC, Serdolik-v2
 16304 kHz, 19-08, 1014 UTC, Serdolik-v2
 18324 kHz, 19-08, 1016 UTC, Serdolik-v2
 16304 kHz, 19-08, 1027 UTC, Serdolik-v2
 14824 kHz, 19-08, 1041 UTC, MFSK-6
 16123 kHz, 19-08, 1000, UTC, OFDM-45
 11537 kHz, 22-08, 0811 UTC, MFSK-6
 17475 kHz, 22-08, 0820 UTC, MFSK-6
 19124 kHz, 22-08, 0832 UTC, MFSK-66
 12177 kHz, 22-08, 1238 UTC, MFSK-6
 14683 kHz, 22-08, 1238 UTC, MFSK-66
 17475 kHz, 22-08, 0820, UTC, MFSK-6
 19124 kHz, 22-08, 0833, UTC, MFSK-66
 17440 kHz, 24-08, 0724 UTC, MFSK-66
 18038 kHz, 24-08, 1035 UTC, OFDM-45
 14419 kHz, 25-08, 0704 UTC, MFSK-6
 14455 kHz, 25-08, 0727 UTC, MFSK-66
 14500 kHz, 26-08, 0835 UTC, MFSK-66
 17431 kHz, 26-08, 1006 UTC, MFSK-66
 12096 kHz, 28-08, 1059 UTC, Serdolik-v2
 15810 kHz, 28-08, 1114 UTC, MFSK-6
 15710 kHz, 28-08, 1146 UTC, MFSK-6
 16305 kHz, 28-08, 0901, UTC, OFDM-112

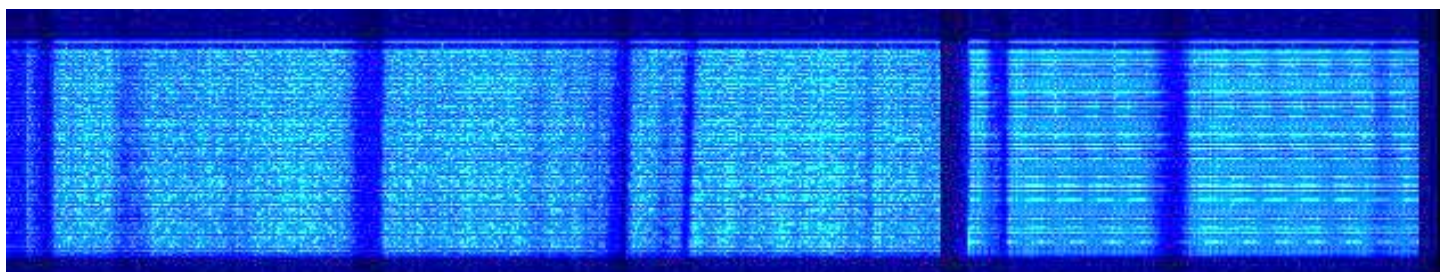
MFA Moscow clg 213546: Russian embassy Islamabad
 MFA Moscow clg 625413: Russian embassy Tel Aviv
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 MFA Moscow clg 625413: Russian embassy Tel Aviv
 Russian net i.p.
 MFA Moscow clg 421635: Russian embassy Oslo
 MFA Moscow clg 156234: Russian embassy Kampala
 Russian diplo/intel.
 MFA Moscow clg 364152: Russian embassy New Delhi
 Russian diplo/intel.
 MFA Moscow clg 156234: Russian embassy Kampala
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 MFA Moscow clg 521634: Russian embassy Bucharest
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel
 MFA Moscow clg 145632: Russian embassy Algiers
 MFA Moscow clg 261453: Russian embassy Cairo
 Russian net i.p.



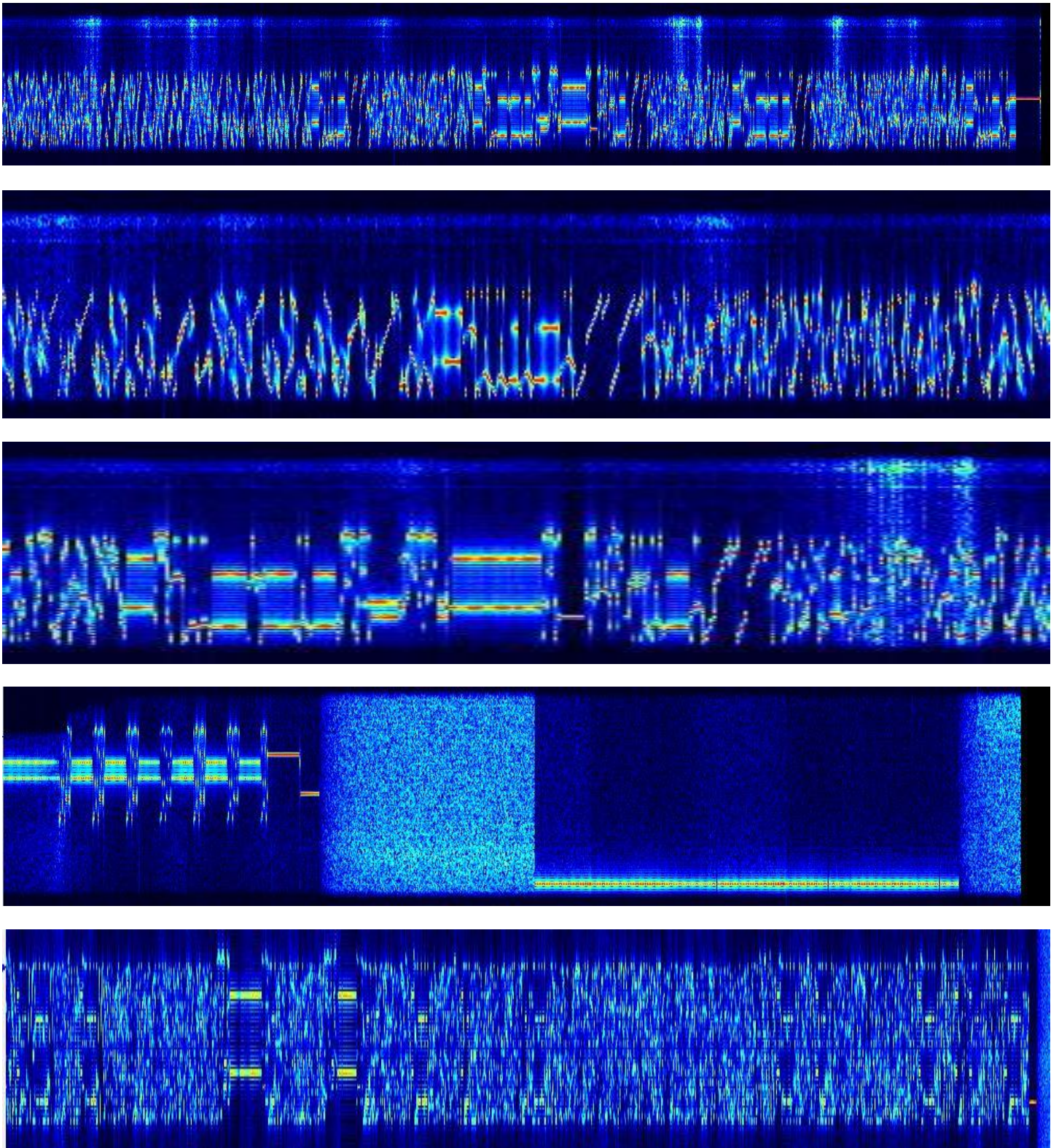
X06 Tel Aviv



MFSK-66



OFDM-45



Serdolik v2

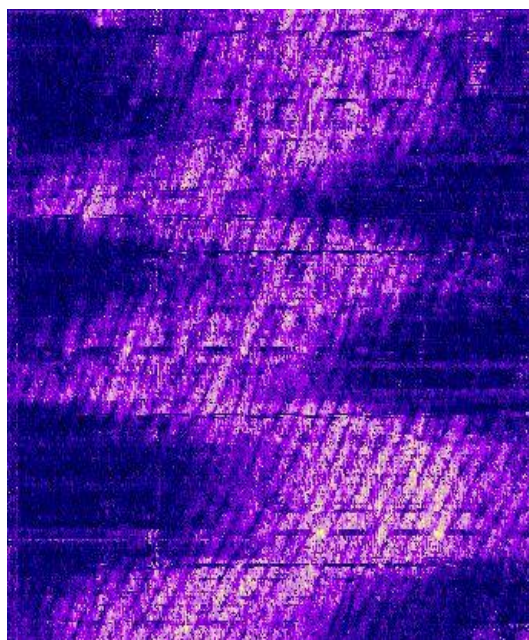
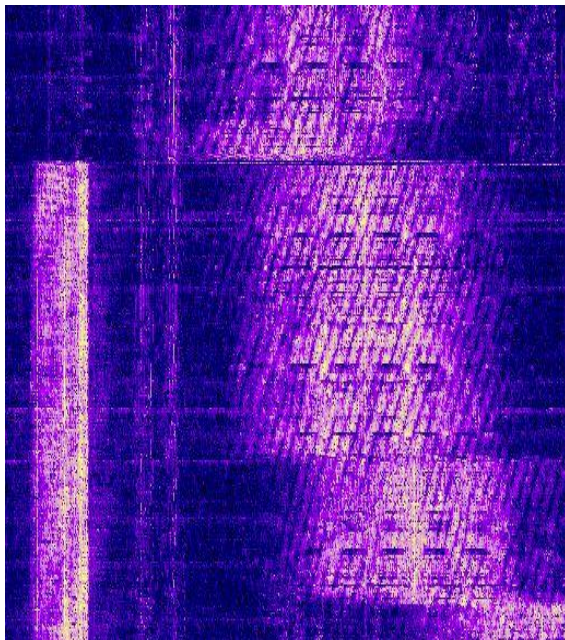
Diplomatic schedule -active list- (source: Anon)

2nd Tuesday	0900 UTC	OFDM-45	17458 kHz	Moscow <> unid freq/station
3rd Thursday	0750 UTC	OFDM-112	14486/15924 kHz	Moscow <> Tehran 13646 kHz
3rd Monday	0900 UTC	OFDM-45	18762 kHz	Moscow <> 19846/20374 kHz unid station

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian-Ukrainian war

7068 kHz, 05-08, 1721 UTC, LSB	Abusive anti Russia messages (loop tape). Jammed. Station and jammer moved to 7064 kHz and back again. Both off at 1731z
7064 kHz, 05-08, 1729 UTC, LSB	Abusive anti Russia messages (loop tape). Jammed. Station and jammer moved back to 7068 kHz at 1730z
7083.5 kHz, 05-08, 1734 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7086 kHz
7086 kHz, 05-08, 1735 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7090 kHz
7090 kHz, 05-08, 1735 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7072.8 kHz
7072.5 kHz, 05-08, 1736 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7065 kHz
7065 kHz, 05-08, 1737 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7068 kHz
7068 kHz, 05-08, 1737 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7071.5 kHz
7071.5 kHz, 05-08, 1738 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to 7064 kHz
7074 kHz, 05-08, 1738 UTC, LSB	Abusive anti Russia messages (loop tape). Moved to various other frequencies
7055 kHz, 05-08, 1917 UTC, LSB	Anti Russia broadcast
7050 kHz, 05-08, 1928 UTC, LSB	Anti Russia broadcast
7098 kHz, 05-08, 1958 UTC, LSB	Abusive anti Russia messages (loop tape)
7082 kHz, 06-08, 1630 UTC, LSB	1930's music and weak Russian voices.
7050 kHz, 06-08, 1638 UTC, LSB	Russian talk about Putin
7050 kHz, 07-08, 1700 UTC, LSB	Pop music
7055 kHz, 07-08, 1700 UTC, LSB	Pop music
7050 kHz, 07-08, 1715 UTC, LSB	Propaganda and two jammers on top of it
7050 kHz, 07-08, 1700 UTC, LSB	Pop music. 1715z: propaganda which was jammed
7055 kHz, 07-08, 1700 UTC, LSB	Pop music
7050 kHz, 07-08, 1715 UTC, LSB	Propaganda and two jammers on top of it
7050 kHz, 12-08, 1655 UTC, LSB	Abusive anti Russia messages
7060 kHz, 12-08, 1655 UTC, LSB	Abusive anti Russia messages
7055 kHz, 12-08, 1656 UTC, LSB	Music, propaganda, abusive anti Russia messages
7100 kHz, 12-08, 1700 UTC, LSB	Music, propaganda
7063 kHz, 12-08, 1706 UTC, AM	Assumed Russian jammer moving around between 7055 and 7100 kHz, chasing the Anti Moscow transmissions (pictures below)
7068 kHz, 12-08, 1708 UTC, LSB	Jammer
7069 kHz, 12-08, 1730 UTC, LSB	Anti Russia transmission
7050 kHz, 12-08, 1734 UTC, LSB	Jammer
7070 kHz, 20-08, 1646 UTC, LSB	Abusive anti Russia/Putin messages
7055 kHz, 20-08, 1649 UTC, LSB	Heavily jammed transmission
7050 kHz, 20-08, 1650 UTC, LSB	Ukrainian nationalist songs
7067.5 kHz, 29-08, 1702 UTC, LSB	Loop transmission
7050 kHz, 29-08, 1703 UTC, LSB	Ukrainian songs
7064 kHz, 29-08, 1704 UTC, LSB	Propaganda
7060 kHz, 29-08, 1705 UTC, LSB	Propaganda
7055 kHz, 29-08, 1718 UTC, LSB	Propaganda



Target: North Korea

4450 kHz, 06-08, 1245 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 06-08, 1245 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 11-08, 1330 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 11-08, 1330 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 12-08, 1200 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 12-08, 1200 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 13-08, 1236 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 13-08, 1236 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 17-08, 1258 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 17-08, 1258 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 18-08, 1303 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 18-08, 1303 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 22-08, 1333 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 22-08, 1333 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 24-08, 1156 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 24-08, 1156 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 30-08, 1159 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 30-08, 1159 UTC, AM	North Korea jamming the Voice of the People

Target: Turkey

11775 kHz, 06-08, 1316 UTC, AM	Radio Dengé Welat. Kurdish program
11775 kHz, 06-08, 1316 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat
11775 kHz, 18-08, 1550 UTC, AM	Radio Dengé Welat. Kurdish program
11775 kHz, 18-08, 1550 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat
11775 kHz, 30-08, 1500 UTC, AM	Radio Dengé Welat. Kurdish program
11775 kHz, 30-08, 1500 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat

Target South Sudan

15150 kHz, 18-08, 1530 UTC, AM	Radio Tamazuj. Arabic program
15150 kHz, 30-08, 1500 UTC, AM	Radio Tamazuj. Arabic program

UTILITY ROUND-UP**CIS-48**

CIS-48 is a digital mode from Eastern Europe. Likely Russia but that is not confirmed yet. The mode popped up in 2015 but is seldom reported. I was lucky to find it

13074 kHz, 24-08, 0946 UTC, 4xDBPSK-2/50Bd/OFDM36+48
17444 kHz, 31-08, 0753 UTC, 4xDBPSK-2/50Bd/OFDM36+48

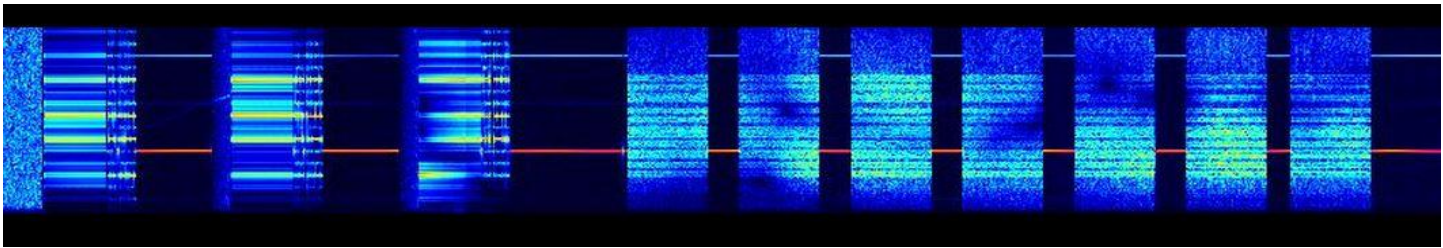
CIS-48 is an interesting data mode with a unique format. It uses a 4 DBPSK-2 preamble with a constant tone and changing OFDM modes as it transmits data. The first part of the transmission, the preamble is comprised of 4 DBPSK carriers, each pair spaced 500 Hz apart, with 700 Hz spacing within the pair. Each DBPSK carrier runs at 50 Bd, and usually has the tone interrupt up to two times during the transmission, possibly indicating a different type of data being transmitted or codeword. Sometimes this beacon repeats during the transmission, or it may solely repeat without any data.



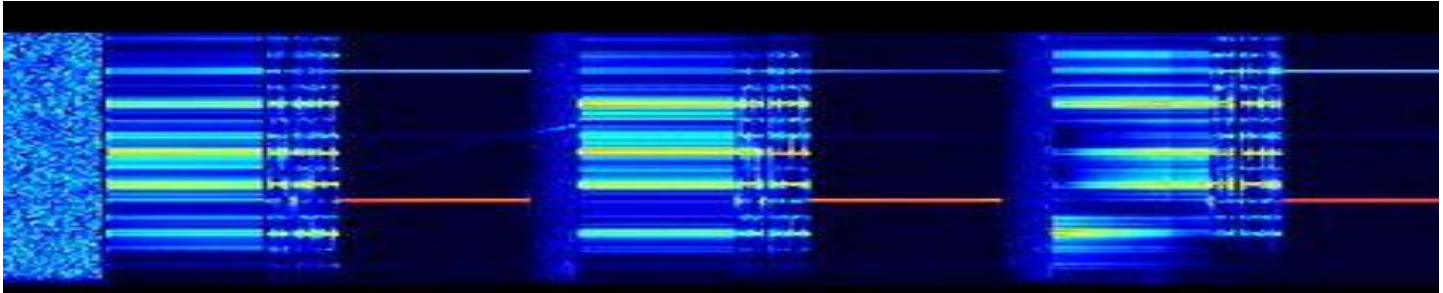
CIS-48

If there is data, after the preamble it will start transmitting a series of OFDM waveforms, each ~3440 ms long, and often changing the OFDM waveform. The bandwidth of these waveforms range from ~2 kHz to ~3 kHz, and between these waveforms is a constant sinusoid tone.

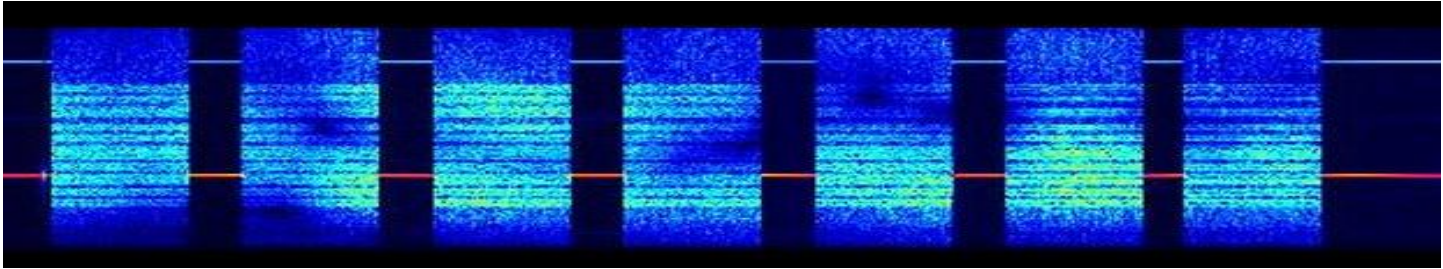
Source: <https://www.sigidwiki.com/wiki/CIS-48>



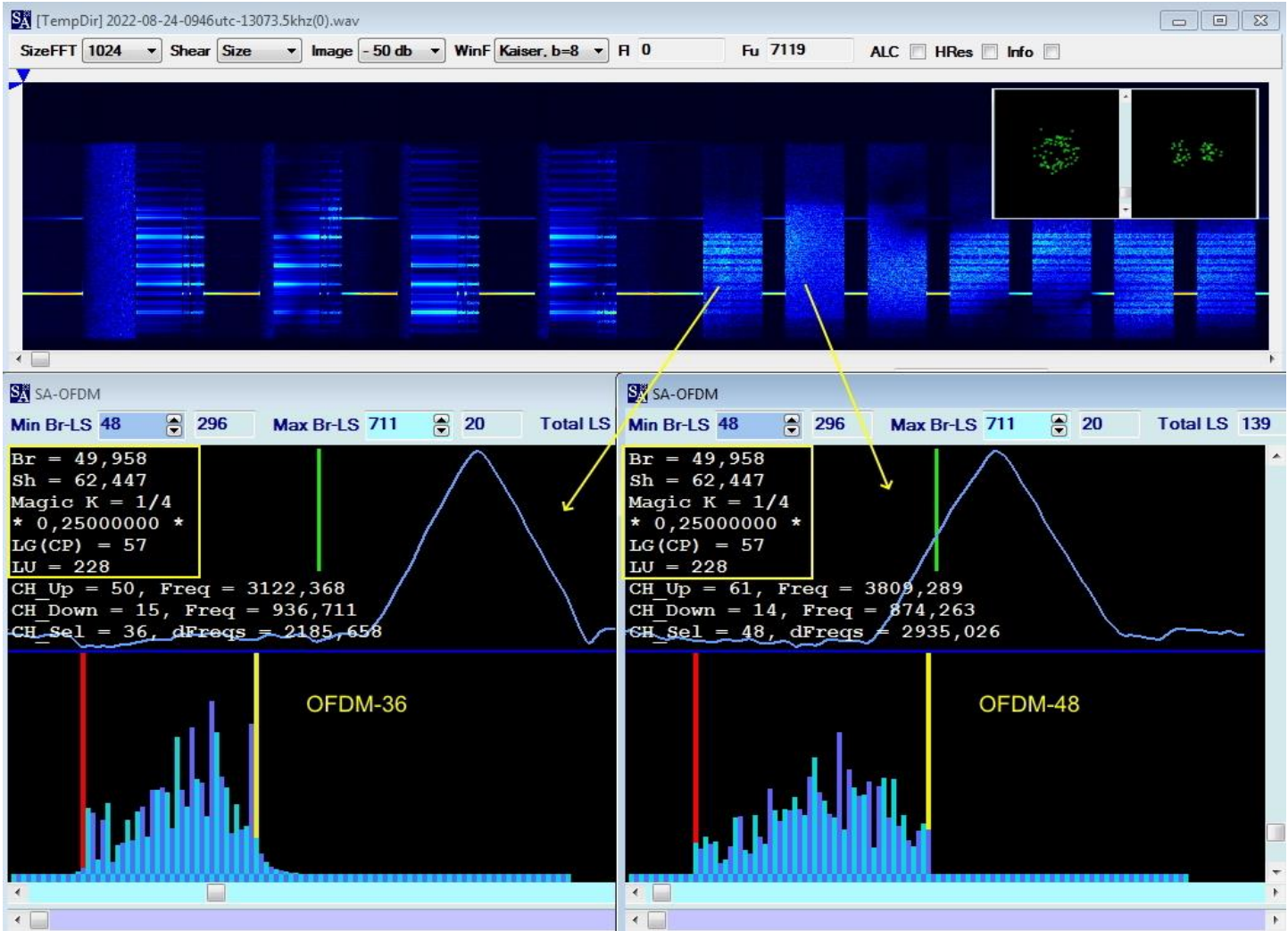
Preamble + Data



Preamble in 4-DBPSK



Data in OFDM



Last picture: source: Antonio's blog <https://i56578-swl.blogspot.com/2022/09/cis-48-calls-ofdm-transfers.html>

8074 kHz, 23-08, 2255 UTC. Logged by Dave (DW-MD)
 MacDill AFB Tampa FL, BPSK31 +1027Hz. 5LGs using ATBASH cipher.
 Probable SIGINT training messages.
 Noted active at 2255z and repeated at 2302z, 2312z, 2320z, and 2327z

ZOVIG ZOVIG ZOVIG
 GSRHR HULIZ OOXVM GIZOR ZMULI XVHLK VIZGR MTRMZ MWZIL FMWGZ
 SOVJF ZS.WR NR3,W RNR3 ,WRN R3YVT RMGSV IVXLM MZRRH ZMXVL
 UBLFI KOZMM VWHGZ TRMTZ IVZ.L NVIZ1 1,LNV IZ11, LNVIZ 11YVT
 RMKOZ BRMTG DRHGV IZHGS VZKKI LEVWK OZM.
 VLN VLN VLN YG C

It translates to:
 ALERT ALERT ALERT
 THIS IS FOR ALL CENTRALIAN FORCES OPERATING IN AND AROUND TAHLEQUAH.
 DIMI3, DIMI3, DIMI3 BEGIN THE RECONNAISSANCE OF YOUR PLANNED STAGING AREA.
 OMER11, OMER11, OMER11 BEGIN PLAYING TWISTER AS THE APPROVED PLAN.
 EOM EOM EOM BT X

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
05-08	1438	Noble Man	37 chr EAM KEMT3K OETE57Q3F3BT2CI7TXVE7TCEE7TC4LO
05-08	1502	Noble Man	30 chr EAM for Room? V65572 DNJ7UIRXZHJYL76O6VTXAY
05-08	1506	Noble Man	37 chr EAM KEMT3K OETE57Q3F3BT2CI7TXVE7TCEE7TC4LO
05-08	1514	Noble Man	34 chr EAM V6AINY FGRMRCJDHDXORIZI4RE2QAQM3VEC
05-08	1519	Noble Man	30 chr EAM SDBP6B FHRVMNSSL6YE2N3633IDTSF
05-08	1527	Noble Man	30 chr EAM SDAGBK 5L3WZDQPPRYU5UMKVV3PN7YJ
05-08	1530	Noble Man	30 chr EAM SDAGBK 5L3WZDQPPRYU5UMKVV3PN7YJ
05-08	1533	Noble Man	37 chr EAM KEMT3K OETE57Q3F3BT2CI7TXVE7TCEE7TC4LO
05-08	1552	Noble Man	30 chr EAM SD32AG OD5KSDZLPR3TSFD62NVGSUR
05-08	1600	Noble Man	30 chr EAM SDAGBK 5L3WZDQPPRYU5UMKVV3PN7YJ
05-08	1602	Noble Man	30 chr EAM SDBP6B FHRVMNSSL6YE2N3633IDTSF
05-08	1606	Noble Man	37 chr EAM KEMT3K OETE57Q3F3BT2CI7TXVE7TCEE7TC4LO
06-08	1517	Cigarette	30 chr EAM i.p. GFKNZNXQH3UEDIBYGU5X
06-08	1518	Cigarette	30 chr EAM for Attache Case, for Blog V6VAHB J2NGFKNZNQXHQ3UEDIBYGU5X
06-08	1553	Cigarette	30 chr EAM for Attache Case, for Blog V6T3AN QMWNT62SW43WOQ4RUA2LZR76
06-08	1800	Cigarette	30 chr EAM for Attache Case, for Blog V6UMWO XVOLTZHWVVJHBAG4IQA2OVV7
06-08	1813	Cigarette	30 chr EAM for Attache Case, for Blog V66C5U 3OD6UFJIGEIXYJBEXQF4MBN
06-08	2023	Cigarette	30 chr EAM SDIBUR QZIZ3D6UPBPZYDETPWOIG2A
06-08	2030	Cigarette	30 chr EAM SDIBUR QZIZ3D6UPBPZYDETPWOIG2A
06-08	2041	Cigarette	30 chr EAM for Attache Case, for Blog V6NTSE BBM37P4T3KT7RWWAX6PXBUI
06-08	2050	Cigarette	30 chr EAM for Attache Case, for Blog V6J3WV ZKCGSNAER2ODGEQHHQH4DTX
06-08	2053	Cigarette	30 chr EAM for Attache Case, for Blog V6J3WV ZKCGSNAER2ODGEQHHQH4DTX
06-08	2100	Cigarette	30 chr EAM for Attache Case, for Blog V6XD6W P3U4Y47JMVPTW4T5TWG45EM7
06-08	2103	Cigarette	30 chr EAM SDIBUR QZIZ3D6UPBPZYDETPWOIG2A
06-08	2130	Cigarette	30 chr EAM SDIBUR QZIZ3D6UPBPZYDETPWOIG2A
06-08	2200	Cigarette	30 chr EAM SDIBUR QZIZ3D6UPBPZYDETPWOIG2A
07-08	0133	Bad Daddy	30 chr EAM SDDXTX 42F6DKZYJAV2SNQUSJHF3EQB
07-08	0200	Bad Daddy	30 chr EAM SDDXTX 42F6DKZYJAV2SNQUSJHF3EQB
07-08	0230	Bad Daddy	30 chr EAM SDDXTX 42F6DKZYJAV2SNQUSJHF3EQB
07-08	0300	Bad Daddy	30 chr EAM SDDXTX 42F6DKZYJAV2SNQUSJHF3EQB
07-08	0332	Bad Daddy	30 chr EAM SDDXTX 42F6DKZYJAV2SNQUSJHF3EQB
07-08	1222	Bad Daddy	30 chr EAM for Bush Bramble, for Strap V6E7DW RJYVPFUNSW2N2CBFK63IWANR
07-08	1413	Bad Daddy	30 chr EAM SDLYTC 64BSXUBGGAQIGRE2DLW5P7RD
07-08	1417	Bad Daddy	30 chr EAM SDCDQR D7VCSRZ42354F6IZBETI4HNY

07-08	1430	Bad Daddy	30 chr EAM SDCDQR D7VCSRZ42354F6IZBETI4HNY
07-08	1432	Bad Daddy	30 chr EAM SDLYTC 64BSXUBGGAQIGRE2DLW5P7RD
07-08	1702	Bad Daddy	30 chr EAM for Bush Bramble V6DEG4 TGE53C2VTH6BO55ZSXJA6APZ
07-08	1824	Bad Daddy	30 chr EAM SDY5KU KO4DQFKTQ4E6RA3XQVOM4W2F
07-08	1832	Bad Daddy	30 chr EAM SDY5KU KO4DQFKTQ4E6RA3XQVOM4W2F
07-08	1900	Bad Daddy	30 chr EAM SDY5KU KO4DQFKTQ4E6RA3XQVOM4W2F
07-08	1926	Bad Daddy	27 chr EAM KEBYUL PCIWNWM3GTKMQMD6LOOFC
07-08	1937	Bad Daddy	45 chr EAM KECHCY QU44YYP6YVLJTB322FBBX34QAGAEEX334AGUAFP
07-08	2051	Bad Daddy	30 chr EAM SDCV7Z QBBJZ76R7CBOENJ7X7FQAITK
08-08	1747	Serenade	30 chr EAM SD77IU EG6P6JEU5IPGKUJZPEVN3LIP
08-08	1800	Serenade	30 chr EAM SD77IU EG6P6JEU5IPGKUJZPEVN3LIP
08-08	1830	Serenade	30 chr EAM SD77IU EG6P6JEU5IPGKUJZPEVN3LIP
08-08	1900	Serenade	30 chr EAM SD77IU EG6P6JEU5IPGKUJZPEVN3LIP
08-08	1930	Serenade	30 chr EAM SD77IU EG6P6JEU5IPGKUJZPEVN3LIP
08-08	2001	Serenade	30 chr EAM SD4HQP ODDFBPXS2W2HPFGWPGGJW7OC2
08-08	2010	Serenade	30 chr EAM SDBOYO MXKJKTAE2K2NOYSQN5XT26IN
08-08	2046	Serenade	30 chr EAM SDIRI3 77KVFEKBJYAH7W04EHNPD
08-08	2048	Serenade	30 chr EAM SDFG43 MH6LDZASGRJNN2KFEXNZAI6O
08-08	2051	Serenade	30 chr EAM SDMTUF 4OFR43DHHSRFDPO7GRBFI3
08-08	2111	Serenade	30 chr EAM SDMTUF 4OFR43DHHSRFDPO7GRBFI3
08-08	2114	Serenade	30 chr EAM SDFG43 MH6LDZASGRJNN2KFEXNZAI6O
08-08	2116	Serenade	30 chr EAM SDIRI3 77KVFEKBJYAH7W04EHNPD
08-08	2132	Serenade	30 chr EAM SDY2F6 WYGFXXCWKGMRGKPLSGEHZUTI
08-08	2147	Serenade	120 chr EAM SCHFFI I63DUTRNB27IZTF4UF2WRIGVCGYTPZ7O6NPDDDD6OXON6WIWNU TPXFQYPUUUUMLBFZS6PPNPDS3ZIZQQQCHO2O7SO7ZFCZGAZAADDDDRF6S2YCUU
08-08	2200	Serenade	30 chr EAM SDY2F6 WYGFXXCWKGMRGKPLSGEHZUTI
08-08	2206	Serenade	120 chr EAM SCHFFI I63DUTRNB27IZTF4UF2WRIGVCGYTPZ7O6NPDDDD6OXON6WIWNU TPXFQYPUUUUMLBFZS6PPNPDS3ZIZQQQCHO2O7SO7ZFCZGAZAADDDDRF6S2YCUU
08-08	2230	Serenade	30 chr EAM SDY2F6 WYGFXXCWKGMRGKPLSGEHZUTI
08-08	2300	Serenade	30 chr EAM SDY2F6 WYGFXXCWKGMRGKPLSGEHZUTI
08-08	2330	Serenade	30 chr EAM SDY2F6 WYGFXXCWKGMRGKPLSGEHZUTI
09-08	1601	Patchwork	55 chr EAM V6VSOE XYBV3GAZT7RJVT43JVTSTCTFQ4NHNET6IYZA7HNHNVTS2XPRU
09-08	1605	Patchwork	30 chr EAM V6VPP6 UEKOQGXKHM6QJC3L3ZTOF7YE
09-08	1612	Patchwork	30 chr EAM V6VPP6 UEKOQGXKHM6QJC3L3ZTOF7YE
09-08	1648	Patchwork	30 chr EAM V6KHM5 RQ225L43OTX5XUKBIS6SSGSY
09-08	1705	Patchwork	30 chr EAM SDCZ22 VKNL5B7CR3STSERAADEVCAH7
09-08	1730	Patchwork	30 chr EAM SDCZ22 VKNL5B7CR3STSERAADEVCAH7
09-08	1732	Patchwork	55 chr EAM V6VSOE XYBV3GAZT7RJVT43JVTSTCTFQ4NHNET6IYZA7HNHVTSC2XPR4
09-08	2002	Patchwork	30 chr EAM SD2XWF 2GDTDBNVY6BXERWEY2DUBP2R
09-08	2030	Patchwork	30 chr EAM SD2XWF 2GDTDBNVY6BXERWEY2DUBP2R
09-08	2100	Patchwork	30 chr EAM SD2XWF 2GDTDBNVY6BXERWEY2DUBP2R
09-08	2130	Patchwork	30 chr EAM for Ordeal V6B2XF T4NBYBXQ5WMABBBMOK4TCRQ3
09-08	2132	Patchwork	30 chr EAM SD2XWF 2GDTDBNVY6BXERWEY2DUBP2R
09-08	2200	Patchwork	30 chr EAM SD2XWF 2GDTDBNVY6BXERWEY2DUBP2R
09-08	2342	Patchwork	30 chr EAM SDCEOF O2SQWL2IX3GKMT7HZSFLED7T
10-08	0044	Aztec Art	30 chr EAM SDCEOF O2SQWL2IX3GKMT7HZSFLED7T
10-08	1654	Aztec Art	30 chr EAM SDW4W4 E2IBFNSSARJCCVDN4IGHOC2R
10-08	1700	Aztec Art	30 chr EAM SDW4W4 E2IBFNSSARJCCVDN4IGHOC2R
10-08	1702	Aztec Art	30 chr EAM SDOT6W DXF27HBU2KTAQ5M7KYHA54BP
10-08	1730	Aztec Art	30 chr EAM SDW4W4 E2IBFNSSARJCCVDN4IGHOC2R
10-08	1732	Aztec Art	30 chr EAM SDOT6W DXF27HBU2KTAQ5M7KYHA54BP
10-08	1751	Aztec Art	30 chr EAM SD4LHY Y72O7ATRC2WBR6747W3PW3FO
10-08	2113	Aztec Art	30 chr EAM SDNV4I RRH6XGPLEINHGYJ72OIFUROY
10-08	2119	Aztec Art	30 chr EAM SDHYV2 3GADLBYZXE4G5MCGEGVXGT6A
10-08	2125	Aztec Art	30 chr EAM SDVCVF RIHYKYMICYV2LST2SGKASU7J
10-08	2130	Aztec Art	30 chr EAM SDHYV2 3GADLBYZXE4G5MCGEGVXGT6A
10-08	2132	Aztec Art	30 chr EAM SDNV4I RRH6XGPLEINHGYJ72OIFUROY
10-08	2135	Aztec Art	30 chr EAM SDVCVF RIHYKYMICYV2LST2SGKASU7J
10-08	2138	Aztec Art	30 chr EAM SDHTAC HB45TOWMSL4CPQM6EYLPQK64
10-08	2140	Aztec Art	30 chr EAM SDQFDL BOGEAGKYATK2AMP3SBOALUSQ
10-08	2143	Aztec Art	30 chr EAM SD3SEY PX6GJARJBTJHBUYCLQFLQWRC
11-08	1004	Cinerama	30 chr EAM for Battle Hymn V6NEK YBGW66NYSAOE6FM646X55CIMW

11-08	1018	Cinerama	30 chr EAM for Battle Hymn V6GR7T OWEEUJR67XUNXM4RVPISZTN
11-08	1033	Cinerama	30 chr EAM for Battle Hymn V6ZLA7 ZKVL6DLJXSKPO6ORY2PQJ2CW
11-08	1146	Cinerama	30 chr EAM for Battle Hymn V6UFHQ DQ3W7KVVWZGQXX3OREAYWDYYX
11-08	1206	Cinerama	30 chr EAM for Battle Hymn V6MZ66 C4QLSXCC5JG32ZP5ARFBVXV7
11-08	1239	Cinerama	30 chr EAM for Boat Motor V6D3TA VBW6VNCQU3AH4RV4YUSQJSLT
11-08	1243	Cinerama	30 chr EAM for Boat Motor V645RW TBSCRIGSAA6TTEOBZDLVIIF
11-08	1253	Cinerama	30 chr EAM for Boat Motor V6TXX3 4XPMLTBY4KD26Q4KUHZRNNVI
11-08	1521	Cinerama	49 chr EAM V6M42N ASG4BOMAUYEOBEDXZOOQQYVFRT7OBA2XHGYSYNNWYTK
11-08	1538	Cinerama	30 chr EAM V6NQKV SMN3SZNI5OA7ITJJ5DRLKOCX
11-08	1600	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1607	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1618	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1630	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1633	Cinerama	30 chr EAM V6TCMN GQMCAT3G3YUZ2PJUTGQV2PV
11-08	1635	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1638	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1642	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1645	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1700	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1702	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1705	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1730	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1733	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1735	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1800	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1802	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1826	Cinerama	30 chr EAM for regio Charlie V6YFAE CZE6GGQVHM6TDBNLDY36HA5U
11-08	1830	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1900	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1902	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1905	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1930	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1934	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	1937	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	1939	Cinerama	30 chr EAM SD3IOG DG6RZISRDI3NFSCQPQHUXWKL
11-08	1947	Cinerama	30 chr EAM SD7RDG CYLRYUZXSN44RAEDJJNUJXQG
11-08	2000	Cinerama	30 chr EAM SD7RDG CYLRYUZXSN44RAEDJJNUJXQG
11-08	2002	Cinerama	30 chr EAM SDTJIY EIJ62IAROX4UUPVVSXBFAFXJO
11-08	2005	Cinerama	30 chr EAM SDYM4E HQHUREJY7XHHZIJADHAP26EZ
11-08	2030	Cinerama	30 chr EAM SD7RDG CYLRYUZXSN44RAEDJJNUJXQG
11-08	2100	Cinerama	30 chr EAM SD7RDG CYLRYUZXSN44RAEDJJNUJXQG
11-08	2130	Cinerama	30 chr EAM SD7RDG CYLRYUZXSN44RAEDJJNUJXQG
11-08	2203	Cinerama	30 chr EAM V6BAGI NH4MKBHFAL5ARJISY6GOZZAY
11-08	2211	Cinerama	56 chr EAM V6Z6JA V3UMZIQ76UG32ESB32GAB32GRQJ4JTQXPWY5KAJ4JXQJZEQE6G
11-08	2221	Cinerama	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
11-08	2223	Cinerama	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
11-08	2230	Cinerama	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
11-08	2232	Cinerama	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
11-08	2300	Cinerama	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
11-08	2302	Cinerama	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
11-08	2330	Cinerama	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
11-08	2332	Cinerama	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
12-08	0000	Skybound	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
12-08	0002	Skybound	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
12-08	0030	Skybound	30 chr EAM SD6UAI JEG2NEGRILPXMA6KXA4EITL
12-08	0032	Skybound	30 chr EAM SD6DSD Z5VQXFXHHUQEYEX7VTVCFXPD
12-08	0436	Skybound	62 chr EAM SCREVL RXCC42RVZT2N6SJVZZESZX5D6BYX5AHXU73HX6HJZSYHJXBE6E2P7O2
12-08	0443	Skybound	62 chr EAM SCREVL RXCC42RVZT2N6SJVZZESZX5D6BYX5AHXU73HX6HJZSYHJXBE6E2P7O2
12-08	0913	Skybound	120 chr EAM SCAFK7 FEO4WZPQBWP7BKH7ZO36RLW6H4ZXOZO2XJJJUO6STILIP24JQY JSYS7777ZHAAIWZ2H2T3FDD33ZZZZY6Q5HC2CZRKAHHGDA3333RWYJRVTWI
12-08	0943	Skybound	?? chr EAM V6UXT7 VU3PR5VW... rest unreadable
12-08	1513	Skybound	37 chr EAM KELQ23 PDCO6YEOTA3WAOAPZSWNPZS6NPZ2IDP

12-08	1522	Skybound	47 chr EAM KEXJ3X WR6GW5PRNZQQDFGLSH6IL46VFL46M7LSH2ILR6OYI
12-08	1538	Skybound	30 chr EAM SDOLOG OO7QLBTINMDDAXLVNOPWGXK2
12-08	1610	Skybound	30 chr EAM SD4N7Y EZDBBQNEODUAWDMWRS2W5LKK
12-08	1823	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	1830	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	1900	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	1930	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	1936	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	2000	Skybound	30 chr EAM SDFHCW PF2ZVIAFPULHM7IEEWEYPO6F
12-08	2017	Skybound	30 chr EAM SD6J5N S3LNTBK7WK2JE4S7GPQFEAZ4
12-08	2030	Skybound	30 chr EAM SD6J5N S3LNTBK7WK2JE4S7GPQFEAZ4
12-08	2100	Skybound	30 chr EAM SD6J5N S3LNTBK7WK2JE4S7GPQFEAZ4
12-08	2130	Skybound	30 chr EAM SD6J5N S3LNTBK7WK2JE4S7GPQFEAZ4
12-08	2200	Skybound	30 chr EAM SD6J5N S3LNTBK7WK2JE4S7GPQFEAZ4
12-08	2232	Skybound	30 chr EAM SDGIYL CBVGHE3XG3G5G52OQNIKQJ6L
12-08	2300	Skybound	30 chr EAM SDGIYL CBVGHE3XG3G5G52OQNIKQJ6L
12-08	2332	Skybound	30 chr EAM SDGIYL CBVGHE3XG3G5G52OQNIKQJ6L
13-08	0004	Cow Shark	30 chr EAM SDGIYL CBVGHE3XG3G5G52OQNIKQJ6L
13-08	0019	Cow Shark	30 chr EAM for Kara V67VG7 UJWVTY3LQ6GYHYKAV3SR2T76
13-08	0033	Cow Shark	30 chr EAM for Kara V6DTIS 3ACG2QCZLRDNHUP2T5LTFTOO
13-08	0106	Cow Shark	30 chr EAM for Kara V6HQJN ATSKKY72HLGCEL3NLC4F6FH5
13-08	1452	Cow Shark	30 chr EAM for Putsch? V6ZEFN MZNSDJI2CF5BZL6UX225NOON
13-08	1512	Cow Shark	30 chr EAM for Putsch? V6GEHU QYPSSIZ2O4OEPGH4VW3KWM4H
13-08	1523	Cow Shark	30 chr EAM for Kara, for Putsch? V6JL2K PBSOLYLHSMB4SCWKCZEPB2I
13-08	1546	Cow Shark	30 chr EAM for Kara V6QM2Q VRO62UWODYU7VTPYXZIOANW4
13-08	1830	Cow Shark	30 chr EAM for Kara V6VCRJ CY37V3Y5Q474OTLMJXVBA63J
13-08	1845	Cow Shark	30 chr EAM for Kara V6PA7P PXQNPULV55PH6UAQG77H2QXO
13-08	2105	Cow Shark	30 chr EAM for Kara S5CA3R 7VUOWXP6354JZDGF3XBTVYKP
13-08	2107	Cow Shark	30 chr EAM for Kara S5CA3R 7VUOWXP6354JZDGF3XBTVYKP
13-08	2119	Cow Shark	30 chr EAM for Kara S5VRYE S6YPQZEH76PB5A6PSCFZP5WC
13-08	2132	Cow Shark	30 chr EAM for Kara S5PF2S 2VEROVHAQ635IKWSWO2NE4EZ
14-08	0034	Authorize	30 chr EAM for Zamia S5JZIS FKHT7G3JFEVAIOQDOVRRFH7R
14-08	0042	Authorize	30 chr EAM for Kara S5PF2S 2VEROVHAQ635IKWSWO2NE4EZ
14-08	0046	Authorize	30 chr EAM for Zamia S5JZIS FKHT7G3JFEVDIOQDOVRRFH7R
14-08	0049	Authorize	30 chr EAM SDRN76 2UXJB3ZC5CN3Q6XQ6NXIL2U6
14-08	0055	Authorize	30 chr EAM for Zamia S5R2OQ ZM6YJHSROANWNNNTYCTTRUE6OR
14-08	0102	Authorize	30 chr EAM SDRN76 2UXJB3ZC5CN3Q6XQ6NXIL2U6
14-08	0130	Authorize	30 chr EAM SDRN76 2UXJB3ZC5CN3Q6XQ6NXIL2U6
14-08	0200	Authorize	30 chr EAM SDRN76 2UXJB3ZC5CN3Q6XQ6NXIL2U6
14-08	0230	Authorize	30 chr EAM SDRN76 2UXJB3ZC5CN3Q6XQ6NXIL2U6
14-08	1303	Authorize	30 chr EAM for Zamia S5EFGY 3DCX3JEP2XBBHWPAEA3SGVIS
14-08	1333	Authorize	30 chr EAM for Zamia S533FG O5BUJ65Y4SZACEKPKROFXJYC
14-08	1339	Authorize	30 chr EAM for Zamia S533FG O5BUJ65Y4SZACEKPKROFXJYC
14-08	1342	Authorize	30 chr EAM for Zamia S533FG O5BUJ65Y4SZACEKPKROFXJYC
14-08	1723	Authorize	30 chr EAM for Zamia S5NAER 7T4U45CNQO2SUFJKIV6CAJ64
14-08	1954	Authorize	30 chr EAM for Zamia S5N3PS MXDFFWYWHO6MDBN5FGZUHR3B
14-08	2008	Authorize	30 chr EAM for Zamia S5YRNZ RIKMFMQ72OJQXRKF3SRGW3Y
14-08	2058	Authorize	30 chr EAM SDJG4A QYYM6EJPSWEH3KOGBDB6TXVS
14-08	0501	Shagland	30 chr EAM SD3N52 L6QDFJM6JGHHAOXFNSXBAIQ6
29-08	1706	Smithers	38 chr EAM KEADE4 N7BWVYHFOMN3AFYMNFIY4WT734WTZWG
29-08	1709	Smithers	43 chr EAM KENEQ5 VGB3AR3LLS3TP73S3SK73QV6OGIP5QLIPOOEP
29-08	1720	Smithers	30 chr EAM SDIVV2 XD4KH6TKPOAPK5ZQ2SB6KK3U
29-08	1724	Smithers	30 chr EAM SDBNJP ITCAQP6K2DLUAINELY7EDPWL
29-08	1729	Smithers	38 chr EAM KEADE4 N7BWVYHFOMN3AFYMNFIY4WT734WTZWG
29-08	1732	Smithers	43 chr EAM KENEQ5 VGB3AR3LLS3TP73S3SK73QV6OGIP5QLIPOOEP
30-08	0550	Bear Ant	30 chr EAM SDDOQO KUVA2DS2O33XUWQGQGOHK7GFT
30-08	0600	Bear Ant	30 chr EAM SDIKCN BX6QQ3DOFML7ATD6OQGDWTEC
30-08	0603	Bear Ant	30 chr EAM SDR4OS ZWYJUFW2QYYG5RQJTWAT76B2
30-08	0606	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY
30-08	0610	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY
30-08	0613	Bear Ant	30 chr EAM SDDOQO KUVA2DS2O33XUWQGQGOHK7GFT
30-08	0630	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY

30-08	0632	Bear Ant	30 chr EAM SDR4OS ZWYJUFW2QYYG5RQJTWAT76B2
30-08	0634	Bear Ant	30 chr EAM SDIKCN BX6QQ3DOFML7ATD6OQGDWTEC
30-08	0700	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY
30-08	0702	Bear Ant	30 chr EAM SDR4OS ZWYJUFW2QYYG5RQJTWAT76B2
30-08	0704	Bear Ant	30 chr EAM SDIKCN BX6QQ3DOFML7ATD6OQGDWTEC
30-08	0730	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY
30-08	0732	Bear Ant	30 chr EAM SDR4OS ZWYJUFW2QYYG5RQJTWAT76B2
30-08	0734	Bear Ant	30 chr EAM SDIKCN BX6QQ3DOFML7ATD6OQGDWTEC
30-08	0800	Bear Ant	30 chr EAM SDP6UE OZEHIB2JGHSYITCL2YAXGLHY
30-08	0802	Bear Ant	30 chr EAM SDR4OS ZWYJUFW2QYYG5RQJTWAT76B2
30-08	1002	Bear Ant	34 chr EAM S57N6S AZMRFENMOPB7YSOQVSL3REXW2PCB
30-08	1732	Bear Ant	30 chr EAM SDJMOS HWY35VEQJSHKAZUYY6RB6F7E
30-08	2000	Bear Ant	30 chr EAM SD54XP GKALEAWYUSC7DSTD SHYCALZB
30-08	2002	Bear Ant	30 chr EAM SD244F H7M3HA5TTMHABZPNHVZQIAXY
30-08	2004	Bear Ant	30 chr EAM SDQEHU XBRQJKDU7JCXWHLNAJQ5O6R
30-08	2007	Bear Ant	30 chr EAM SD244F H7M3HA5TTMHABZPNHVZQIAXY
30-08	2009	Bear Ant	30 chr EAM SD54XP GKALEAWYUSC7DSTD SHYCALZB

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB

Morse transmissions

Russian Military morse traffic

13964 kHz, 14-08, 0753 UTC

QP9Q 465 23 14 1045 465 = 053 =

21375 68440 12377 50032 87688 28482 66138 10076 47726 88519

29314 73245 10902 48558 89351 30146 67801 11734 49389 87045

27839 14021 =

190 20 14 1047 190 = 053 =

80245 30453 83799 37145 90490 43837 97182 47390 00151 60358

13704 70188 20396 73742 23950 77295 33780 83987 14018 K

14411 kHz, 17-08, 0425-0435 UTC

RDL RDL RDL 69779 98905 69779 98905 69779 98905 K

RDL RDL RDL 73651 72069 73651 72069 73651 72069 K

14410 kHz, 17-08, 0906-1300 UTC

RDL RDL RDL 52402 07166 52402 07166 52402 07166 K

RDL RDL RDL 49196 20683 49196 20683 49196 20683 K

RDL RDL RDL 49196 20683 49196 20683 49196 20683 K

RDL RDL RDL 79795 70491 79795 70491 79795 70491 K

RDL RDL RDL 39089 91961 39089 91961 39089 91961 K

RDL RDL RDL 89305 34855 89305 34855 89305 34855 K

RDL RDL RDL 33278 08962 33278 08962 33278 08962 K

RDL RDL RDL 30032 04473 30032 04473 30032 04473 K

RDL RDL RDL 12036 51866 12036 51866 12036 51866 K

RDL RDL RDL 59249 08830 59240 08830 59240 08830 K

RDL RDL RDL 90122 26372 90122 26372 90122 26372 K

RDL RDL RDL 96406 72862 96406 72862 96406 72862 K

17460 kHz, 17-08, 1407-1530

RDL RDL RDL 16554 64841 16554 64841 16554 64841 K

RDL RDL RDL 16554 64841 16554 64841 16554 64841 K

RDL RDL RDL 76611 42009 76611 42009 76611 42009 K

14411 kHz, 18-08, 1345-1415 UTC

RDL RDL RDL 50817 81291 50817 81291 50817 81291 K
RDL RDL RDL 77343 80180 77343 80180 77343 80180 K

13964 kHz, 28-08, 0736 UTC, i.p.

____9 70834 11629 46147 80664 18321 55976 90494 28150
65806 12876 47394 28018 =
745 19 28 1032 745 = 230 =
30944 68600 12532 47050 87843 25500 63156 10226 44746
85537 23194 60849 11058 46713 86369 24025 61681 28017 =
786 21 28 1034 786 = 230 =
05503 83159 17678 55303 92989 27507 65163 12233 46751
81268 18925 56500 94236 31893 66410 10345 44860 83234 =

P8VS DE XDPD QSG2? K

127 21 28 1042 127 = 230 =
59315 90694 22075 53455 81696 13077 41319 69560 10355
38596 66838 98218 29598 60978 92358 20600 00842 80202
02602 28019 =
408 20 28 1044 408 = 230 =
82256 19912 54430 88937 23466 57984 92501 23882 58399
92917 27435 61953 96471 34127 65507 12577 50233 84750
28018 K

XDPD QRV K

XDPD R 694 K

Russian Navy morse traffic

14556 kHz, 12-08, 1030 UTC

RCRE DE RIW k
RIW QYT4 SK K
RIW RK

14556 kHz, 12-08, 1054 UTC

RCRE DE RIW K
RIW QSU 1 QWH 8788 QSX 8270 K
RIW RK

14556 kHz, 12-08, 1102 UTC

RCRE DE RIW QTC K
RIW RPT K
RIW 541 58 12 1117 541 = FM RAA =
01728 61369 54268 32837 04178 80068 78495 74515 62432 73138
92475 89623 47107 90609 77979 10471 68195 15246 98124 31481
60725 83312 84421 88521 49310 19007 26342 06425 23687 05865
35301 50614 44835 94952 30789 19886 62437 30302 48798 71062
28732 26179 16857 17865 18821 06874 30559 83034 21876 00473
21744 27319 58024 93149 48942 67758 12056 =
RPT = RAA K
RIW SK

6494.5 kHz, 17-08, 1215 kHz. QSX 3325.5//8627 kHz

RMTO: Aleksandr Prolov/SB-737 (seagoing tug/Project 02790) MMSI 273542930 wkg RMP: Navy Kaliningrad
QTC 831 15 17 1500 831=SML FOR RJH82 RCD88 = FM13 coded weather.
POS. 57.3N 11,0E, Voyage Baltiysk>East Skagen at anchor

6494.5 kHz, 20-08, 1205 UTC. 3325.5//8627 kHz

RMTO: Aleksandr Prolov/SB-737 (seagoing tug/Project 02790) MMSI 273542930 wkg RMP: Navy Kaliningrad
QTC 240 15 20 1501 240 = SML FOR RJH82 RCD88 = FM13 coded weather
POS. 57.5N 11,0E, Voyage Baltiysk>East Skagen At Anchor

6494.5 kHz, 20-08, 1210 kHz. QSX 3325.5//8627 kHz

UCTA5: Unid vessel (no AIS active) wkg RMP: Navy Kaliningrad

QTC 120 20 1502 120 = SML FOR RJH82 RCD88 = FM13 coded weather.

POS. 57,7N 11,1E, East of Skagen at anchor

6494.5 kHz, 22-08, 1205 kHz. QSX 3325.5//8627 kHz

RMTO: Aleksandr Prolov/SB-737 (seagoing tug/Project 02790) MMSI 273542930 wkg RMP: Navy Kaliningrad

QTC 330 15 22 1500 330 = SML FOR RJH82 RCD88 = FM13 coded weather.

POS. 57.5N 11,0E, Voyage Baltiysk>East Skagen at Anchor

6494.5 kHz, 22-08, 1210 kHz. QSX 3325.5//8627 kHz

UCTA5: Unid vessel (no AIS active) wkg RMP: Navy Kaliningrad

QTC 921 16 22 1502 921 = SML FOR RJH82 RCD88 = FM13 coded weather.

POS. 54,6N 10,9E, Fehmarn Belt, Course SE 10 KTS



Russian missile cruiser Varyag and project 1155 large ASW ships in the port of Vladivostok on May 7th, 2010.

Russian Air Force morse traffic

8895 kHz, 04-08, Bear net. QSX 9128 kHz

1230 UTC W marker (R2) K

1300 UTC W marker (R2) K

1313 UTC YWNE DE KFE4 K. QRV K. KFE4 142 142 727 293 541 K

1318 UTC FEQ6 DE KFE4 QSA4 K. KFE4 QRV K. KFE4 = 152 142 628 22867 K

1332 UTC IRBF DE KFE4 K. QRV K. KFE4 = 420 472 274 106 941 446 K

1339 UTC LWAE DE KFE4 K. KFE4 QSA3 K. QRV K. KFE4 = 640 472 274 105 448 K

1342 UTC FEQ6 DE KFE4 QSA3 QTC K. QTC K. KFE4 QRV K. KFE4 = 650 472 608 472 063 K

9128 kHz, 04-08. Bear net. QSX 8895 kHz. Very weak

1315 UTC QTC K unreadable 142 727 213 632 K. RK unreadable ..7 472 274 106 942 446 K CK
1339 UTC KFE4 DE YWNE QSA? K. QTC K. = 640 461 274 105 448 K

8895 kHz, 09-08

1300 UTC G-marker (R2m)
1320 UTC W-marker mixing with a G-marker (R2m)
1340 UTC W-marker mixing with a G-marker (R2m)
1400 UTC W-marker mixing with a G-marker (R2m)
1420 UTC W-marker mixing with a G-marker (R2m)
1440 UTC W-marker mixing with a G-marker (R2m)
1500 UTC W-marker mixing with a G-marker (R2m)
1520 UTC G-marker (R2m)
1540 UTC G-marker (R2m)
1600 UTC G-marker (R2m)
1600 UTC G-marker (R2m)
1620 UTC G-marker (R2m)
1640 UTC G-marker (R2m)
1700 UTC G-marker (R2m)

8895 kHz, 03-08, 1308 UTC. QSX 9128 kHz (not heard)

DK5Q DK5Q DK5Q DE TV6P TV6P K
TV6P QRV K
TV6P = 806 551 461 791 394 684 C? K
YWAE DE TV6P QSA2 K
TV6P QRV K
RPT K
TV6P = 544 190 399 C? K
TV6P = 544 190 399 C? K
YWAE DE TV6P K
QVR K
TV6P = 911 551 571 791 684 C? K

8895 kHz, 11-08, 1127 UTC

DK5Q DK5Q DK5Q DE TV6P QSA3 K
QVR K
TV6P TV6P 824 311 T7T 547 225 237 C? K
TV6P TV6P = 781 K
TV6P = 881 C? K
7IYI 7IYI 7YI7 TV6P TV6P QSA2 K

8895 kHz, 11-08, 1210 UTC

7IYI 7IYI 7YI7 DE TV6P QRV K
TV6P = 875 559 084 1498 940 721 C? K
YWAE DE TV6P K
QVR K
TV6P = 815 559 577 835 433 831 C? K
TV6P = 815 559 577 835 433 831 C? K

8895 kHz, 11-08, 1425 UTC, i.p.

739 267 558 237 K
KFE4 = 267 558 237 K
267 558 237 K
KFE4 = 146 180 749 267 558 237 K

LOGS SECTION

Code	Date	UTC	Freq	day	Details	Mode	Contributor
---	5-8	1721	7068	Fri	Abusive anti Russia messages (loop). Jammed. Station and jammer moved to 7064 kHz and back again. Both off at 1731z	LSB	(AB)
---	5-8	1729	7064	Fri	Abusive anti Russia messages (loop). Jammed. Station and jammer moved back to 7068 kHz at 1730z	LSB	(AB)
---	5-8	1734	7083.5	Fri	Abusive anti Russia messages (loop). Moved to 7086 kHz	LSB	(AB)
---	5-8	1735	7086	Fri	Abusive anti Russia messages (loop). Moved to 7090 kHz	LSB	(AB)
---	5-8	1735	7090	Fri	Abusive anti Russia messages (loop). Moved to 7072.8 kHz	LSB	(AB)
---	5-8	1736	7072.5	Fri	Abusive anti Russia messages (loop). Moved to 7065 kHz	LSB	(AB)
---	5-8	1737	7065	Fri	Abusive anti Russia messages (loop). Moved to 7068 kHz	LSB	(AB)
---	5-8	1737	7068	Fri	Abusive anti Russia messages (loop). Moved to 7071.5 kHz	LSB	(AB)
---	5-8	1738	7071.5	Fri	Abusive anti Russia messages (loop). Moved to 7064 kHz	LSB	(AB)
---	5-8	1738	7074	Fri	Abusive anti Russia messages (loop). Moved to various other frequencies	LSB	(AB)
---	5-8	1917	7055	Fri	Anti Russia broadcast	LSB	(AB)
---	5-8	1928	7050	Fri	Anti Russia broadcast	LSB	(AB)
---	5-8	1958	7098	Fri	Abusive anti Russia messages (loop)	LSB	(AB)
---	6-8	1630	7082	Sat	1930's music and weak Russian voices.	LSB	(AB)
---	6-8	1638	7050	Sat	Russian talk about Putin	LSB	(AB)
---	7-8	1700	7050	Sun	Pop music. 1715z: propaganda which was jammed	LSB	(AB)
---	7-8	1700	7055	Sun	Pop music	LSB	(AB)
---	7-8	1715	7050	Sun	Propaganda and two jammers on top of it	LSB	(AB)
---	12-8	1655	7050	Fri	Abusive anti Russia messages	LSB	(AB)
---	12-8	1655	7060	Fri	Abusive anti Russia messages	LSB	(AB)
---	12-8	1656	7055	Fri	Music, propaganda, abusive anti Russia messages	LSB	(AB)
---	12-8	1700	7100	Fri	Music, propaganda	LSB	(AB)
---	12-8	1706	7063	Fri	Assumed Russian jammer moving around between 7055 and 7100 khz	AM	(AB)
---	12-8	1708	7068	Fri	Jammer	LSB	(AB)
---	12-8	1730	7069	Fri	Anti Russia transmission	LSB	(AB)
---	12-8	1734	7050	Fri	Jammer	LSB	(AB)
---	20-8	1646	7070	Sat	Abusive anti Russia/Putin messages	LSB	(AB)
---	20-8	1649	7055	Sat	Heavily jammed transmission	LSB	(AB)
---	20-8	1650	7050	Sat	Ukrainian nationalist songs	LSB	(AB)
---	24-8	0946	13074	Wed	Presumed Russian station	4xDBPSK-2/50Bd/ OFDM36+48	(AB)
---	29-8	1702	7067.5	Mon	Radio war. Loop transmission	LSB	(AB)
---	29-8	1703	7050	Mon	Radio war. Ukrainian songs	LSB	(AB)
---	29-8	1704	7064	Mon	Radio war. Propaganda	LSB	(AB)
---	29-8	1705	7060	Mon	Radio war. Propaganda	LSB	(AB)
---	29-8	1718	7060	Mon	Radio war. Propaganda	LSB	(AB)

---	31-8	0753	17444	Wed	Presumed Russian station	4xDBPSK- 2/50Bd/OFDM36+48	(AB)
BUL	3-8	1925	14796	Wed	Bulgarian embassy Washington DC wkg Bulgarian MFA (QX 14786 kHz)	RFSM	(DW-MD)
BUL	5-8	1032	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	9-8	0836	14786	Tue	MFA Sofia. QX on 14976 kHz	RFSM	(AB)
BUL	9-8	0836	14796	Tue	Bulgarian diplo. QX on 14786 kHz	RFSM	(AB)
BUL	10-8	1230	17440	Wed	Bulgarian diplo. QX on 17464 kHz	RFSM	(AB)
BUL	10-8	1230	17464	Wed	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	10-8	1300	17442	Wed	Bulgarian diplo.	RFSM	(AB)
BUL	11-8	1230	17440	Thu	Bulgarian diplo. QX on 17464 kHz	RFSM	(AB)
BUL	11-8	1230	17464	Thu	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	11-8	1255	17442	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	17-8	0853	14948	Wed	Bulgarian diplo	RFSM	(AB)
BUL	17-8	1300	17442	Wed	Bulgarian diplo.	RFSM	(AB)
BUL	18-8	1230	17440	Thu	Bulgarian diplo. QX on 17464 kHz	RFSM	(AB)
BUL	18-8	1230	17464	Thu	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	18-8	1300	17442	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	19-8	1028	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	19-8	1225	17440	Fri	Bulgarian diplo. QX on 17464 kHz	RFSM	(AB)
BUL	19-8	1225	17464	Fri	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	19-8	1235	17442	Fri	Bulgarian diplo.	RFSM	(AB)
BUL	23-8	0830	14786	Tue	MFA Sofia. QX on 14976 kHz	RFSM	(AB)
BUL	23-8	0830	14796	Tue	Unid Bulgarian embassy. QX on 14786 kHz	RFSM	(AB)
BUL	23-8	1230	17440	Tue	Bulgarian diplo. QX on 17464 kHz	RFSM	(AB)
BUL	23-8	1230	17464	Tue	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	23-8	2026	14786	Tue	MFA Sofia wkg Bulgarian embassy Washington DC	RFSM	(DW-MD)
BUL	23-8	2026	14796	Tue	Bulgarian Embassy Washington DC wkg MFA Sofia	RFSM	(DW-MD)
BUL	25-8	2029	14786	Thu	MFA Sofia wkg Bulgarian embassy Washington DC	RFSM	(DW-MD)
BUL	25-8	2030	14796	Thu	Bulgarian embassy Washington DC wkg MFA Sofia	RFSM	(DW-MD)
BUL	26-8	0838	14468	Fri	Bulgarian diplo	RFSM	(AB)
BUL	26-8	0838	14948	Fri	Bulgarian diplo	RFSM	(AB)
BUL	30-8	0830	14786	Tue	MFA Sofia. QX on 14976 kHz	RFSM	(AB)
BUL	30-8	0830	14796	Tue	Unid Bulgarian embassy. QX on 14786 kHz	RFSM	(AB)
BUL	30-8	1230	17440	Tue	Unid Bulgarian embassy. QX on 17464 kHz	RFSM	(AB)
BUL	30-8	1230	17464	Tue	MFA Sofia. QX on 17440 kHz	RFSM	(AB)
BUL	30-8	1300	17442	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	31-8	1300	17442	Wed	Bulgarian diplo.	RFSM	(AB)
DPRK	5-8	0805	12400	Fri	North Korean diplo 1.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	6-8	1205	14374	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	9-8	0709	16253	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	9-8	1140	18250	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	9-8	1356	14921	Tue	North Korean embassy Caracas wkg with North Korean embassy Havana on 14444 kHz	DPRK-ARQ 600 LSB	(DW-MD)

DPRK	12-8	0802	12400	Fri	North Korean diplo 1.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0723	13300	Wed	North Korean diplo. QSX 13305 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0723	13305	Wed	North Korean diplo. QSX 13300 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0801	17450	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0803	14105	Wed	North Korean diplo. QSX 14100 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0804	14100	Wed	North Korean diplo. QSX 14105 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0805	19245	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0806	16040	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0810	13100	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0814	11100	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0814	12400	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0818	14900	Wed	North Korean diplo. QSX 14360 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0820	16120	Wed	North Korean diplo. QSX 16675 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0820	16675	Wed	North Korean diplo. QSX 16120 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0824	14360	Wed	North Korean diplo. QSX 14900 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-8	0901	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	18-8	1329	16252	Thu	North Korean diplo. QSX 16254 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	18-8	1329	16254	Thu	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	19-8	0500	12208	Fri	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	19-8	0702	16253	Fri	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	19-8	0803	12400	Fri	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	19-8	1440	14376	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	19-8	1641	17415	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	22-8	0808	12400	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-8	0632	14376	Tue	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	23-8	0700	16253	Tue	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	23-8	1225	14376	Tue	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	23-8	1225	16252	Tue	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	24-8	0728	11050	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	0657	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	0806	12400	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	0806	17410	Fri	North Korean diplo. QSX 17415 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	0831	17415	Fri	North Korean diplo. QSX 17410 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	0842	14444	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	1440	14376	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-8	1641	17415	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	27-8	0728	11045	Sat	North Korean diplo. QSX 11050 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	27-8	0728	11050	Sat	North Korean diplo. QSX 11045 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	31-8	0750	11050	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-8	0807	14300	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-8	0838	12100	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	1-8	0210	11472	Mon	537 602 43 72014 50881 54378 ... 32271 89438 44267 602 43 00000	USB	(PY)

E06	1-8	0310	13584	Mon	537 602 43 72014 50881 54378 ... 32271 89438 44267 602 43 00000	USB	(PY)
E06	2-8	0210	11472	Tue	537 602 43 72014 50881 54378 ... 32271 89438 44267 602 43 00000	USB	(PY)
E06	2-8	0310	13584	Tue	537 602 43 72014 50881 54378 ... 32271 89438 44267 602 43 00000	USB	(PY)
E06	4-8	0300	14648	Thu	361 475 38 45881 84930 05711 ... 37428 98684 92360 475 38 00000	USB	(PY/HFD)
E06	4-8	0400	12084	Thu	361 475 38 45881 84930 05711 ... 37428 98684 92360 475 38 00000	USB	(PY/HFD)
E06	4-8	0500	13540	Thu	210 987 53 02173 49527 19509 ... 05163 84889 29775 987 53 00000	USB	(AB-RUS/HFD)
E06	4-8	0600	16115	Thu	210 987 53 02173 49527 19509 ... 05163 84889 29775 987 53 00000	USB	(AB-RUS/HFD)
E06	5-8	0300	14648	Fri	361 475 38 45881 84930 05711 ... 37428 98684 92360 475 38 00000	USB	(PY)
E06	5-8	0400	12084	Fri	361 475 38 45881 84930 05711 ... 37428 98684 92360 475 38 00000	USB	(PY)
E06	5-8	0500	13540	Fri	210 987 53 02173 49527 19509 ... 05163 84889 29775 987 53 00000	USB	(AB-RUS)
E06	5-8	0600	16115	Fri	210 987 53 02173 49527 19509 ... 05163 84889 29775 987 53 00000	USB	(AB-RUS)
E06	8-8	0210	11472	Mon	537 198 44 76749 31716 44196 ... 17226 34709 05309 198 44 00000	USB	(PY/HFD-J)
E06	8-8	0310	13584	Mon	537 198 44 76749 31716 44196 ... 17226 34709 05309 198 44 00000	USB	(PY/HFD-J)
E06	9-8	0210	11472	Tue	537 198 44 76749 31716 44196 ... 17226 34709 05309 198 44 00000	USB	(PY)
E06	9-8	0310	13584	Tue	537 198 44 76749 31716 44196 ... 17226 34709 05309 198 44 00000	USB	(PY)
E06	11-8	0300	14648	Thu	361 278 39 82394 15084 74106 ... 75739 88042 36762 278 39 00000	USB	(PY)
E06	11-8	0400	12084	Thu	361 278 39 82394 15084 74106 ... 75739 88042 36762 278 39 00000	USB	(PY)
E06	12-8	0300	14648	Fri	361 278 39 82394 15084 74106 ... 75739 88042 36762 278 39 00000	USB	(PY)
E06	12-8	0400	12084	Fri	361 278 39 82394 15084 74106 ... 75739 88042 36762 278 39 00000	USB	(PY)
E06	15-8	0210	11472	Mon	537 206 45 47750 66443 25685 ... 17349 43494 76285 206 45 00000	USB	(PY)
E06	15-8	0310	13584	Mon	537 206 45 47750 66443 25685 ... 17349 43494 76285 206 45 00000	USB	(PY)
E06	16-8	0210	11472	Tue	537 206 45 47750 66443 25685 ... 17349 43494 76285 206 45 00000	USB	(PY)
E06	16-8	0310	13578	Tue	537 206 45 47750 66443 25685 ... 17349 43494 76285 206 45 00000	USB	(PY)
E06	18-8	0300	14648	Thu	361 592 40 25954 13647 45605 ... 75145 64396 39557 592 40 00000	USB	(PY)
E06	18-8	0400	12084	Thu	361 592 40 25954 13647 45605 ... 75145 64396 39557 592 40 00000	USB	(PY)
E06	18-8	0500	13540	Thu	210 849 53 79677 71789 71838 ... 31037 84875 29592 849 53 00000	USB	(AB-RUS)
E06	18-8	0600	16115	Thu	210 849 53 79677 71789 71838 ... 31037 84875 29592 849 53 00000	USB	(AB-RUS)
E06	19-8	0300	14648	Fri	361 592 40 25954 13647 45605 ... 75145 64396 39557 592 40 00000	USB	(PY)
E06	19-8	0400	12084	Fri	361 592 40 25954 13647 45605 ... 75145 64396 39557 592 40 00000	USB	(PY)
E06	19-8	0500	13540	Fri	210 849 53 79677 71789 71838 ... 31037 84875 29592 849 53 00000	USB	(AB-RUS)
E06	19-8	0600	16115	Fri	210 849 53 79677 71789 71838 ... 31037 84875 29592 849 53 00000	USB	(AB-RUS)
E06	22-8	0210	11472	Mon	537 981 46 53028 41870 33884 ... 73233 99011 86394 981 46 00000	USB	(PY)
E06	22-8	0310	13584	Mon	537 981 46 53028 41870 33884 ... 73233 99011 86394 981 46 00000	USB	(PY)
E06	23-8	0210	11472	Tue	537 981 46 53028 41870 33884 ... 73233 99011 86394 981 46 00000	USB	(PY)
E06	23-8	0310	13574	Tue	537 981 46 53028 41870 33884 ... 73233 99011 86394 981 46 00000	USB	(PY)
E06	25-8	0300	14648	Thu	361 780 41 69875 24760 11913 ... 95969 87376 76214 780 41 00000	USB	(PY)
E06	25-8	0400	12084	Thu	361 780 41 69875 24760 11913 ... 95969 87376 76214 780 41 00000	USB	(PY)
E06	26-8	0300	14648	Fri	361 780 41 69875 24760 11913 ... 95969 87376 76214 780 41 00000	USB	(PY)
E06	26-8	0400	12084	Fri	361 780 41 69875 24760 11913 ... 95969 87376 76214 780 41 00000	USB	(PY)
E06	29-8	0210	11472	Mon	537 260 47 37753 15228 46895 ... 01633 37427 22799 260 47 00000	USB	(PY)
E06	29-8	0310	13577	Mon	537 260 47 37753 15228 46895 ... 01633 37427 22799 260 47 00000	USB	(PY)
E06	30-8	0210	11472	Tue	537 260 47 37753 15228 46895 ... 01633 37427 22799 260 47 00000	USB	(PY)

E06	30-8	0310	13574	Tue	537 260 47 37753 15228 46895 ... 01633 37427 22799 260 47 00000	USB	(PY)
E07	2-8	0700	16246	Tue	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB/HFD)
E07	2-8	0720	18446	Tue	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB/HFD-KWT)
E07	2-8	0740	19246	Tue	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB/HFD-KWT)
E07	4-8	1410	13519	Thu	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB/HFD)
E07	4-8	1430	14819	Thu	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB/HFD)
E07	4-8	1450	15919	Thu	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB/HFD)
E07	5-8	0700	16246	Fri	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB)
E07	5-8	0720	18446	Fri	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB)
E07	5-8	0740	19246	Fri	242 242 242 1 8516 102 8516 102 23042 56631 62373 ... 64669 80408 10179 000 000	USB	(AB)
E07	6-8	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	6-8	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	6-8	1410	13519	Sat	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB)
E07	6-8	1430	14819	Sat	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB/MPJ)
E07	6-8	1450	15919	Sat	288 288 288 1 9843 69 9843 69 01865 52947 59545 ... 49843 29452 95163 000 000	USB	(AB/MPJ)
E07	7-8	0600	9261	Sun	224 224 224 000	USB	(AB/HFD)
E07	7-8	0620	10261	Sun	224 224 224 000	USB	(AB/HFD)
E07	9-8	0700	16246	Tue	242 242 242 000	USB	(AB)
E07	9-8	0720	18446	Tue	242 242 242 000	USB	(AB)
E07	11-8	1410	13519	Thu	288 288 288 000	USB	(AB)
E07	11-8	1430	14819	Thu	288 288 288 000	USB	(AB)
E07	12-8	0700	16246	Fri	242 242 242 000	USB	(AB)
E07	12-8	0720	18446	Fri	242 242 242 000	USB	(AB)
E07	13-8	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	13-8	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	13-8	1410	13519	Sat	288 288 288 000	USB	(AB/MPJ)
E07	13-8	1430	14819	Sat	288 288 288 000	USB	(AB/MPJ)
E07	14-8	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	14-8	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	16-8	0700	16246	Tue	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	16-8	0720	18446	Tue	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	16-8	0740	19246	Tue	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	18-8	1410	13519	Thu	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)
E07	18-8	1430	14819	Thu	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)
E07	18-8	1450	15919	Thu	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)
E07	19-8	0700	16246	Fri	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	19-8	0720	18446	Fri	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	19-8	0740	19246	Fri	242 242 242 1 6234 86 6234 96 01010 57594 13722 ... 03043 10616 75293 000 000	USB	(AB)
E07	20-8	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	20-8	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	20-8	1410	13519	Sat	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)
E07	20-8	1430	14819	Sat	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)

E07	20-8	1450	15919	Sat	288 288 288 1 2891 63 2891 63 86900 21497 67173 ... 73979 44598 27032 000 000	USB	(AB/MPJ)
E07	21-8	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	21-8	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	23-8	0700	16246	Tue	242 242 242 000	USB	(AB)
E07	23-8	0720	18446	Tue	242 242 242 000	USB	(AB)
E07	25-8	1410	13519	Thu	288 288 288 000	USB	(AB/MPJ)
E07	25-8	1430	14819	Thu	288 288 288 000	USB	(AB/MPJ)
E07	26-8	0700	16246	Fri	242 242 242 000	USB	(AB)
E07	26-8	0720	18446	Fri	242 242 242 000	USB	(AB)
E07	27-8	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	27-8	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	27-8	1410	13519	Sat	288 288 288 000	USB	(AB)
E07	27-8	1430	14819	Sat	288 288 288 000	USB	(AB)
E07	28-8	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	28-8	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	30-8	0700	16246	Tue	242 242 242 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB)
E07	30-8	0720	18446	Tue	242 242 242 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB-KWT)
E07	30-8	0720	19246	Tue	242 242 242 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB-KWT)
E11	1-8	0640	15800	Mon	946/00	USB	(AB)
E11	1-8	0715	18030	Mon	751/00	USB	(AB)
E11	1-8	0830	15720	Mon	180/00	USB	(AB)
E11	1-8	0845	12815	Mon	718/00	USB	(AB)
E11	1-8	0900	9052	Mon	533/00	USB	(AB)
E11	1-8	1045	8545	Mon	690/00	USB	(AB-POL/MPJ)
E11	1-8	1300	5737	Mon	315/00	USB	(AB/MPJ)
E11	1-8	1745	14410	Mon	249/00	USB	(AB/MPJ)
E11	1-8	1900	7600	Mon	644/00	USB	(AB)
E11	2-8	0645	8091	Tue	515/00	USB	(AB)
E11	2-8	0700	8680	Tue	579/00	USB	(AB)
E11	2-8	0715	10429	Tue	635/00	USB	(AB)
E11	2-8	0745	14940	Tue	227/00	USB	(AB)
E11	2-8	0820	17378	Tue	133/00	USB	(AB)
E11	2-8	1430	12984	Tue	914/00	USB	(AB/MPJ)
E11	2-8	1605	5231	Tue	230/00	USB	(AB/MPJ-HOL)
E11	2-8	1645	14575	Tue	337/00	USB	(AB/MPJ)
E11	3-8	0640	15800	Wed	940/00	USB	(AB)
E11	3-8	0715	18030	Wed	755/00	USB	(AB)
E11	3-8	0820	17378	Wed	134/00	USB	(AB)
E11	3-8	0845	12815	Wed	715/00	USB	(AB)
E11	3-8	0900	9052	Wed	534/00	USB	(AB)
E11	3-8	0930	6923	Wed	270/00	USB	(AB)
E11	3-8	1045	8545	Wed	691/00	USB	(AB)

E11	3-8	1715	7863	Wed	974/00	USB	(AB/MPJ)
E11	3-8	1910	4783	Wed	393/00	USB	(AB)
E11	4-8	0645	8091	Thu	519/00	USB	(AB)
E11	4-8	0745	14940	Thu	221/00	USB	(AB)
E11	4-8	0930	6923	Thu	271/00	USB	(AB)
E11	4-8	1300	5737	Thu	316/00	USB	(AB-POL)
E11	4-8	1645	14575	Thu	335/00	USB	(AB)
E11	4-8	1900	7600	Thu	648/00	USB	(AB)
E11	4-8	2000	5409	Thu	522/00	USB	(AB)
E11	5-8	0700	8680	Fri	573/00	USB	(AB)
E11	5-8	0715	10429	Fri	636/00	USB	(AB)
E11	5-8	0830	15720	Fri	184/00	USB	(AB)
E11	5-8	1715	7863	Fri	978/00	USB	(AB/MPJ)
E11	5-8	1815	12229	Fri	924/00	USB	(AB/MPJ)
E11	5-8	1910	9610	Fri	612/00	USB	(AB)
E11	6-8	0700	7377	Sat	490/00	USB	(AB)
E11	6-8	1430	12984	Sat	914/00	USB	(AB/MPJ)
E11	6-8	1910	4783	Sat	390/00	USB	(AB)
E11	7-8	0700	7377	Sun	495/00	USB	(AB)
E11	7-8	1605	5231	Sun	237/00	USB	(AB)
E11	7-8	1745	14410	Sun	240/00	USB	(AB/MPJ)
E11	7-8	1815	12229	Sun	922/00	USB	(AB)
E11	7-8	1910	9610	Sun	611/00	USB	(AB)
E11	7-8	2000	5409	Sun	527/00	USB	(AB)
E11	8-8	0450	7469	Mon	413/00	USB	(AB/HFD)
E11	8-8	0640	15800	Mon	949/00	USB	(AB)
E11	8-8	074	9610	Mon	264/00	USB	(AB)
E11	8-8	0830	15720	Mon	184/00	USB	(AB)
E11	8-8	0900	9052	Mon	536/00	USB	(AB)
E11	8-8	1045	8545	Mon	696/00	USB	(AB/MPJ)
E11	8-8	1300	5737	Mon	314/00	USB	(AB)
E11	8-8	1745	14410	Mon	242/00	USB	(AB/MPJ)
E11	8-8	1900	7600	Mon	647/00	USB	(AB)
E11	9-8	0715	10429	Tue	634/00	USB	(AB)
E11	9-8	0820	17378	Tue	130/00	USB	(AB)
E11	9-8	0845	14972	Tue	157/00	USB	(AB)
E11	9-8	1000	12153	Tue	306/00	USB	(AB)
E11	9-8	1205	6304	Tue	462/00	USB	(AB-POL)
E11	9-8	1430	12984	Tue	915/00	USB	(AB)
E11	9-8	1645	14575	Tue	335/00	USB	(AB/MPJ)
E11	10-8	0640	15800	Wed	946/00	USB	(AB)
E11	10-8	0745	15720	Wed	349/00	USB	(AB)

E11	10-8	0820	17378	Wed	131/00	USB	(AB)
E11	10-8	0900	9052	Wed	536/00	USB	(AB)
E11	10-8	0930	6923	Wed	277/00	USB	(AB)
E11	10-8	1045	8545	Wed	697/00	USB	(AB)
E11	10-8	1205	6304	Wed	462/00	USB	(AB-POL)
E11	11-8	0820	4909	Thu	438/00	USB	(AB-POL)
E11	11-8	0845	14972	Thu	151/00	USB	(AB)
E11	11-8	0930	6923	Thu	270/00	USB	(AB-POL)
E11	11-8	1300	5737	Thu	312/00	USB	(AB-POL/MPJ)
E11	11-8	1530	10356	Thu	266/00	USB	(AB/MPJ/HFD)
E11	11-8	1645	14575	Thu	338/00	USB	(AB)
E11	11-8	1730	8088	Thu	415/00	USB	(AB)
E11	11-8	1900	7600	Thu	643/00	USB	(AB)
E11	11-8	2000	5409	Thu	525/00	USB	(AB)
E11	12-8	0600	9150	Fri	351/00	USB	(AB)
E11	12-8	0715	10429	Fri	634/00	USB	(AB)
E11	12-8	0745	15720	Fri	344/00	USB	(AB)
E11	12-8	0820	4909	Fri	432/00	USB	(AB-POL)
E11	12-8	0830	15720	Fri	188/00	USB	(AB)
E11	12-8	1000	12153	Fri	304/00	USB	(AB)
E11	12-8	1715	7863	Fri	no transmission due to thunderstorms	USB	(AB)
E11	12-8	1815	12229	Fri	920/00	USB	(AB)
E11	13-8	0700	7377	Sat	496/00	USB	(AB)
E11	13-8	1430	12984	Sat	919/00	USB	(MPJ)
E11	13-8	1530	5082	Sat	367/00	USB	(AB-POL)
E11	14-8	0600	9150	Sun	359/00	USB	(AB)
E11	14-8	0700	7377	Sun	491/00	USB	(AB)
E11	14-8	1530	5082	Sun	364/00	USB	(AB-POL/MPJ)
E11	14-8	1745	14410	Sun	247/00	USB	(AB/MPJ)
E11	14-8	1815	12229	Sun	927/00	USB	(AB)
E11	14-8	2000	5409	Sun	528/00	USB	(AB)
E11	15-8	0450	7469	Mon	418/00	USB	(AB)
E11	15-8	0715	18030	Mon	753/00	USB	(AB-POL)
E11	15-8	0745	9610	Mon	269/00	USB	(AB)
E11	15-8	0845	12815	Mon	710/00	USB	(AB)
E11	15-8	0900	9052	Mon	532/00	USB	(AB)
E11	15-8	1045	8545	Mon	697/00	USB	(AB)
E11	15-8	1300	5737	Mon	314/00	USB	(AB)
E11	15-8	1745	14410	Mon	247/00	USB	(AB-POL)
E11	15-8	1900	7600	Mon	640/00	USB	(AB-POL)
E11	16-8	0645	8091	Tue	517/00	USB	(AB)
E11	16-8	0700	8680	Tue	571/00	USB	(AB)

E11	16-8	0715	10429	Tue	637/00	USB	(AB)
E11	16-8	0745	14940	Tue	221/00	USB	(AB)
E11	16-8	0820	17378	Tue	132/00	USB	(AB)
E11	16-8	0845	14972	Tue	159/00	USB	(AB)
E11	16-8	1000	12153	Tue	302/00	USB	(AB)
E11	16-8	1205	6304	Tue	461/00	USB	(AB-POL)
E11	16-8	1605	5231	Tue	231/00	USB	(AB/MPJ)
E11	16-8	1645	14575	Tue	331/00	USB	(AB)
E11	17-8	0715	18030	Wed	751/00	USB	(AB)
E11	17-8	0745	15720	Wed	343/00	USB	(AB)
E11	17-8	0820	17378	Wed	138/00	USB	(AB)
E11	17-8	0845	12815	Wed	714/00	USB	(AB)
E11	17-8	0900	9052	Wed	536/00	USB	(AB)
E11	17-8	1045	8545	Wed	696/00	USB	(AB)
E11	17-8	1205	6304	Wed	460/00	USB	(AB-POL)
E11	17-8	1715	7863	Wed	978/00	USB	(AB)
E11	17-8	1910	4783	Wed	396/00	USB	(AB)
E11	18-8	0315	14575	Thu	251/00	USB	(AB)
E11	18-8	0645	8091	Thu	512/00	USB	(AB)
E11	18-8	0745	14940	Thu	221/00	USB	(AB/Anon)
E11	18-8	0820	4909	Thu	432/00	USB	(AB-POL)
E11	18-8	0845	14972	Thu	155/00	USB	(Anon)
E11	18-8	1300	5737	Thu	311/00	USB	(AB-POL/MPJ-HOL)
E11	18-8	1530	10356	Thu	264/00	USB	(AB/MPJ)
E11	18-8	1645	14575	Thu	331/00	USB	(Anon)
E11	18-8	1730	8088	Thu	412/00	USB	(AB/MPJ)
E11	18-8	1900	7600	Thu	647/00	USB	(Anon)
E11	18-8	2000	5409	Thu	525/00	USB	(AB)
E11	19-8	0600	9150	Fri	354/00	USB	(AB)
E11	19-8	0700	8680	Fri	574/00	USB	(AB)
E11	19-8	0715	10429	Fri	639/00	USB	(AB)
E11	19-8	0745	15720	Fri	342/00	USB	(AB)
E11	19-8	0820	4909	Fri	439/00	USB	(AB-POL)
E11	19-8	1000	12153	Fri	308/00	USB	(AB)
E11	19-8	1715	7863	Fri	977/00	USB	(AB)
E11	19-8	1910	9610	Fri	613/00	USB	(AB)
E11	20-8	0700	7377	Sat	490/00	USB	(AB)
E11	20-8	1530	5082	Sat	368/00	USB	(AB-POL)
E11	20-8	1910	4783	Sat	394/00	USB	(AB)
E11	21-8	0600	9150	Sun	359/00	USB	(AB)
E11	21-8	0700	7377	Sun	498/00	USB	(AB)
E11	21-8	1530	5082	Sun	369/00	USB	(AB-POL/MPJ)

E11	21-8	1605	5231	Sun	238/00	USB	(AB)
E11	21-8	1745	14410	Sun	246/00	USB	(AB/MPJ)
E11	21-8	1815	12229	Sun	927/00	USB	(AB/MPJ)
E11	21-8	1910	9610	Sun	610/00	USB	(AB)
E11	21-8	2000	5409	Sun	524/00	USB	(AB)
E11	22-8	0450	7469	Mon	410/00	USB	(AB)
E11	22-8	0640	15800	Mon	949/00	USB	(AB-POL)
E11	22-8	0715	18030	Mon	759/00	USB	(AB-POL)
E11	22-8	0745	9610	Mon	268/00	USB	(AB)
E11	22-8	0830	15720	Mon	180/00	USB	(AB)
E11	22-8	0845	12815	Mon	714/00	USB	(AB)
E11	23-8	0645	8091	Tue	518/00	USB	(AB)
E11	23-8	0700	8680	Tue	574/00	USB	(AB)
E11	23-8	0745	14940	Tue	227/00	USB	(AB)
E11	23-8	0845	14972	Tue	156/00	USB	(AB)
E11	23-8	1000	12153	Tue	307/00	USB	(AB/MPJ)
E11	23-8	1205	6304	Tue	463/00	USB	(AB-POL)
E11	23-8	1430	12984	Tue	918/00	USB	(AB/MPJ)
E11	23-8	1605	5231	Tue	230/00	USB	(AB)
E11	24-8	0640	15800	Wed	948/00	USB	(AB)
E11	24-8	0715	18030	Wed	759/00	USB	(AB)
E11	24-8	0745	15720	Wed	344/00	USB	(AB)
E11	24-8	0845	12815	Wed	710/00	USB	(AB)
E11	24-8	0930	6923	Wed	278/00	USB	(AB)
E11	24-8	1205	6304	Wed	461/00	USB	(AB-POL)
E11	24-8	1715	7863	Wed	978/00	USB	(AB)
E11	24-8	1910	4783	Wed	390/00	USB	(AB)
E11	25-8	0645	8091	Thu	511/00	USB	(AB)
E11	25-8	0745	14940	Thu	223/00	USB	(AB)
E11	25-8	0820	4909	Thu	431/00	USB	(AB-POL)
E11	25-8	0845	14972	Thu	159/00	USB	(AB)
E11	25-8	0930	6923	Thu	279/00	USB	(AB)
E11	25-8	1530	10356	Thu	264/00	USB	(AB/MPJ)
E11	25-8	1730	8088	Thu	414/00	USB	(AB)
E11	26-8	0600	9150	Fri	354/00	USB	(AB)
E11	26-8	0700	8680	Fri	571/00	USB	(AB)
E11	26-8	0745	15720	Fri	340/00	USB	(AB)
E11	26-8	0820	4909	Fri	436/00	USB	(AB-POL)
E11	26-8	0830	15720	Fri	183/00	USB	(AB)
E11	26-8	1000	12153	Fri	309/00	USB	(AB)
E11	26-8	1715	7863	Fri	975/00	USB	(AB/MPJ)
E11	26-8	1910	9610	Fri	618/00	USB	(AB)

E11	27-8	1430	12984	Sat	911/00	USB	(AB)
E11	27-8	1530	5082	Sat	366/00	USB	(AB-POL)
E11	27-8	1910	4783	Sat	396/00	USB	(AB)
E11	28-8	0600	9150	Sun	350/00	USB	(AB)
E11	28-8	1530	5082	Sun	368/00	USB	(AB-POL/MPJ)
E11	28-8	1605	5231	Sun	238/00	USB	(AB-POL)
E11	28-8	1910	9610	Sun	617/00	USB	(AB)
E11	29-8	0450	7469	Mon	413/00	USB	(AB)
E11	29-8	0640	15800	Mon	944/00	USB	(AB-POL)
E11	29-8	0715	18030	Mon	754/00	USB	(AB-POL)
E11	29-8	0745	9610	Mon	260/00	USB	(AB)
E11	29-8	0830	15720	Mon	183/00	USB	(AB)
E11	29-8	0845	12815	Mon	711/00	USB	(AB)
E11	29-8	0900	9052	Mon	534/00	USB	(AB)
E11	29-8	1045	8545	Mon	698/00	USB	(AB)
E11	29-8	1300	5737	Mon	315/00	USB	(AB/MPJ-HOL)
E11	29-8	1745	14410	Mon	246/00	USB	(AB-POL/MPJ)
E11	29-8	1900	7600	Mon	644/00	USB	(AB)
E11	30-8	0645	8091	Tue	519/00	USB	(AB)
E11	30-8	0700	8680	Tue	577/00	USB	(AB)
E11	30-8	0715	10429	Tue	636/00	USB	(AB)
E11	30-8	0745	14940	Tue	225/00	USB	(AB-POL)
E11	30-8	0820	17378	Tue	132/00	USB	(AB-POL)
E11	30-8	0845	14972	Tue	159/00	USB	(AB)
E11	30-8	1000	12153	Tue	304/00	USB	(AB)
E11	30-8	1205	6304	Tue	460/00	USB	(AB-POL)
E11	30-8	1430	12984	Tue	912/00	USB	(AB)
E11	30-8	1605	5231	Tue	238/00	USB	(AB)
E11	30-8	1645	14575	Tue	335/00	USB	(AB/MPJ)
E11	31-8	0640	15800	Wed	949/00	USB	(AB)
E11	31-8	0715	18030	Wed	759/00	USB	(AB-POL)
E11	31-8	0745	15720	Wed	340/00	USB	(AB)
E11	31-8	0820	17378	Wed	135/00	USB	(AB-POL)
E11	31-8	0845	12815	Wed	711/00	USB	(AB)
E11	31-8	0900	9052	Wed	534/00	USB	(AB)
E11	31-8	0930	6923	Wed	278/00	USB	(AB)
E11	31-8	1045	8545	Wed	690/00	USB	(AB)
E11	31-8	1205	6304	Wed	460/00	USB	(AB-POL)
E11	31-8	1715	7863	Wed	974/00	USB	(AB/MPJ)
E11	31-8	1910	4783	Wed	396/00	USB	(AB)
E11a	1-8	0450	7469	Mon	410/32 Attention 16246 46209 08917 ... 20735 64065 57790 Attention (message repeated) Out	USB	(AB)
E11a	1-8	0745	9610	Mon	262/34 Attention 31905 49236 96783 ... 62495 32265 38343 Attention (message repeated) Out	USB	(AB)

E11a	2-8	0845	14972	Tue	150/22 Attention 93181 27550 46800 ... 37285 77751 27275 Attention (message repeated) Out	USB	(AB)
E11a	2-8	1000	12153	Tue	300/30 Attention 19911 65237 90938 ... 43631 28313 47958 Attention (message repeated) Out	USB	(AB)
E11a	2-8	1205	6304	Tue	464/38 Attention 66867 59830 61123 ... 97524 45193 29837 Attention (message repeated) out	USB	(AB-POL/MPJ-HNG)
E11a	3-8	0745	15720	Wed	344/33 Attention 66205 27216 94769 ... 97157 30795 50069 Attention (message repeated) Out	USB	(AB)
E11a	3-8	1205	6304	Wed	464/38 Attention 66867 59830 61123 ... 97524 45193 29837 Attention (message repeated) out	USB	(AB-POL/MPJ-HNG)
E11a	4-8	0820	4909	Thu	438/30 Attention 13856 75542 34795 ... 39576 10222 75065 Attention (message repeated) Out	USB	(AB-POL)
E11a	4-8	0845	14972	Thu	150/22 Attention 93181 27550 46800 ... 37285 77751 27275 Attention (message repeated) Out	USB	(AB)
E11a	4-8	1533	10356	Thu	262/34 Attention 68758 75634 76855 ... 56565 65656 56565 Attention (message repeated) Out. Late start.	USB	(AB)
E11a	4-8	1730	8088	Thu	410/32 Attention 16246 46209 08917 ... 20735 64065 57790 Attention (message repeated) Out	USB	(AB)
E11a	5-8	0600	9150	Fri	351/35 Attention 90335 41826 70476 ... 94918 31383 76157 Attention (message repeated) Out	USB	(AB)
E11a	5-8	0745	15720	Fri	344/33 Attention 66205 27216 94769 ... 97157 30795 50069 Attention (message repeated) Out	USB	(AB)
E11a	5-8	0820	4909	Fri	438/30 Attention 13856 75542 34795 ... 39576 10222 75065 Attention (message repeated) Out	USB	(AB-POL)
E11a	5-8	1000	12153	Fri	300/30 Attention 19911 65237 90938 ... 43631 28313 47958 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6-8	1530	5082	Sat	368/34 Attention 43901 93441 60574 ... 77968 09472 21065 Attention (message repeated) Out	USB	(AB-POL)
E11a	7-8	0600	9150	Sun	351/35 Attention 90335 41826 70476 ... 94918 31383 76157 Attention (message repeated) Out	USB	(AB)
E11a	7-8	1530	5082	Sun	368/34 Attention 43901 93441 60574 ... 77968 09472 21065 Attention (message repeated) Out	USB	(AB-POL)
E11a	8-8	0715	18030	Mon	750/34 Attention 55362 33870 68136 ... 20572 42378 11147 Attention (message repeated) Out	USB	(AB-POL)
E11a	8-8	0845	12815	Mon	716/31 Attention 97410 91760 72899 ... 04302 54843 31477 Attention (message repeated) Out	USB	(AB)
E11a	9-8	0645	8091	Tue	510/35 Attention 92842 19342 40542 ... 78883 49057 39684 Attention (message repeated) Out	USB	(AB)
E11a	9-8	0700	8680	Tue	573/37 Attention 77478 74206 87785 ... 34119 51755 78018 Attention (message repeated) Out	USB	(AB)
E11a	9-8	0745	14940	Tue	225/37 Attention 03149 20598 30055 ... 00883 99639 04252 Attention (message repeated) Out	USB	(AB)
E11a	9-8	1605	5231	Tue	230/39 Attention 77110 21928 56746 ... 99987 20761 29883 Attention (message repeated) Out	USB	(AB/MPJ-HOL)
E11a	10-8	0715	18030	Wed	750/34 Attention 55362 33870 68136 ... 20572 42378 11147 Attention (message repeated) Out	USB	(AB)
E11a	10-8	0845	12815	Wed	716/31 Attention 97410 91760 72899 ... 04302 54843 31477 Attention (message repeated) Out	USB	(AB)
E11a	10-8	1715	7863	Wed	974/40 Attention 09234 48125 20672 ... 80428 56225 56173 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10-8	1910	4783	Wed	390/35 Attention 02923 66698 53529 ... 65662 33167 85292 Attention (message repeated) Out	USB	(AB)
E11a	11-8	0645	8091	Thu	510/35 Attention 92842 19342 40542 ... 78883 49057 39684 Attention (message repeated) Out	USB	(AB)
E11a	11-8	0745	14940	Thu	225/37 Attention 03149 20598 30055 ... 00883 99639 04252 Attention (message repeated) Out	USB	(AB)
E11a	12-8	0700	8680	Fri	573/37 Attention 77478 74206 87785 ... 34119 51755 78018 Attention (message repeated) Out	USB	(AB)
E11a	12-8	1910	9610	Fri	612/32 Attention 31219 78798 40908 ... 39492 22883 10994 Attention (message repeated) Out	USB	(AB)
E11a	13-8	1910	4783	Sat	390/35 Attention 02923 66698 53529 ... 65662 33167 85292 Attention (message repeated) Out	USB	(AB)
E11a	14-8	1605	5231	Sun	230/39 Attention 77110 21928 56746 ... 99987 20761 29883 Attention (message repeated) Out	USB	(AB)
E11a	14-8	1910	9610	Sun	612/32 Attention 31219 78798 40908 ... 39492 22883 10994 Attention (message repeated) Out	USB	(AB)
E11a	15-8	0640	15800	Mon	941/31 Attention 26962 69527 23961 ... 31149 71313 50377 Attention (message repeated) Out	USB	(AB)
E11a	15-8	0830	15720	Mon	182/29 Attention 07631 45414 04119 ... 32378 24452 45692 Attention (message repeated) Out	USB	(AB)
E11a	16-8	1430	12984	Tue	914/36 Attention 62459 77440 87851 ... 17404 06868 66844 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	17-8	0640	15800	Wed	941/31 Attention 26962 69527 23961 ... 31149 71313 50377 Attention (message repeated) Out	USB	(AB)
E11a	17-8	0930	6923	Wed	275/38 Attention 73853 08302 70096 ... 58601 18452 35408 Attention (message repeated) Out	USB	(AB)
E11a	18-8	0930	6923	Thu	275/38 Attention 73853 08302 70096 ... 58601 18452 35408 Attention (message repeated) Out	USB	(AB)

E11a	19-8	0830	15720	Fri	182/29 Attention 07631 45414 04119 ... 32378 24452 45692 Attention (message repeated) Out	USB	(AB-POL)
E11a	20-8	1430	12984	Sat	914/36 Attention 62459 77440 87851 ... 17404 06868 66844 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-8	0900	9052	Mon	536/37 Attention 54058 26330 82325 ... 97231 50964 75739 Attention (message repeated) Out	USB	(AB)
E11a	22-8	1045	8545	Mon	690/35 Attention 65228 36388 94582 ... 03927 89130 85822 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-8	1300	5737	Mon	312/33 Attention 83495 55286 99695 ... 63378 73010 85296 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	22-8	1745	14410	Mon	242/40 Attention 34414 80768 67580 ... 28581 80067 03229 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	22-8	1900	7600	Mon	644/40 Attention 23977 73312 10745 ... 19582 38312 96422 Attention (message repeated) Out	USB	(AB)
E11a	23-8	0715	10429	Tue	639/32 Attention 07829 04247 00481 ... 18504 47106 63481 Attention (message repeated) Out	USB	(AB)
E11a	23-8	0820	17378	Tue	136/36 Attention 94935 55742 34572 ... 18994 92496 38207 Attention (message repeated) out	USB	(AB)
E11a	23-8	1645	14575	Tue	338/37 Attention 29040 63553 53093 ... 10497 63344 09541 Attention (message repeated) Out	USB	(AB)
E11a	24-8	0820	17378	Wed	136/36 Attention 94935 55742 34572 ... 18994 92496 38207 Attention (message repeated) out	USB	(AB)
E11a	24-8	0900	9052	Wed	536/37 Attention 54058 26330 82325 ... 97231 50964 75739 Attention (message repeated) Out	USB	(AB)
E11a	24-8	1045	8545	Wed	690/35 Attention 65228 36388 94582 ... 03927 89130 85822 Attention (message repeated) Out	USB	(AB-BLR)
E11a	25-8	1300	5737	Thu	312/33 Attention 83495 55286 99695 ... 63378 73010 85296 Attention (message repeated) Out	USB	(AB-POL/MPJ-HNG)
E11a	25-8	1645	14575	Thu	338/37 Attention 29040 63553 53093 ... 10497 63344 09541 Attention (message repeated) Out	USB	(AB)
E11a	25-8	1900	7600	Thu	644/40 Attention 23977 73312 10745 ... 19582 38312 96422 Attention (message repeated) Out	USB	(AB)
E11a	25-8	2000	5409	Thu	524/38 Attention 66924 51257 65050 ... 25256 34743 26514 Attention (message repeated) Out	USB	(AB)
E11a	26-8	0715	10429	Fri	639/32 Attention 07829 04247 00481 ... 18504 47106 63481 Attention (message repeated) Out	USB	(AB)
E11a	26-8	1815	12229	Fri	927/33 Attention 44845 76462 48490 ... 67865 24768 50769 Attention (message repeated) Out	USB	(MPJ)
E11a	27-8	0700	7377	Sat	491/39 Attention 73494 23608 37727 ... 39788 82089 68959 Attention (message repeated) Out	USB	(AB)
E11a	28-8	0700	7377	Sun	491/39 Attention 73494 23608 37727 ... 39788 82089 68959 Attention (message repeated) Out	USB	(AB)
E11a	28-8	1745	14410	Sun	242/40 Attention 34414 80768 67580 ... 28581 80067 03229 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	28-8	1815	12229	Sun	927/33 Attention 44845 76462 48490 ... 67865 24768 50769 Attention (message repeated) Out	USB	(AB)
E11a	28-8	2000	5409	Sun	524/38 Attention 66924 51257 65050 ... 25256 34743 26514 Attention (message repeated) Out	USB	(AB)
EGY	17-8	0807	17415	Wed	MFA Cairo wkg unid embassy	SITOR-A 100/170	(AB)
EGY	17-8	0808	17415	Wed	99902: MFA Cairo traffic to 33320: unid embassy	CODAN	(AB)
EGY	17-8	1313	17425	Wed	MFA Cairo wkg Egyptian embassy Djibouti. Ends with KY KY RKKKKY HUXD KKK	SITOR-A 100/170	(AB)
EGY	17-8	1315	17425	Wed	99903: MFA Cairo msg to 33318: Egyptian embassy Djibouti	CODAN	(AB)
EGY	18-8	1609	16177	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	18-8	1620	16177	Thu	99910: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	22-8	0830	16355	Mon	Egyptian diplo. QSX 18025 kHz	CODAN	(AB)
EGY	22-8	0835	18025	Mon	Egyptian diplo. QSX 16355 kHz	CODAN	(AB)
EGY	24-8	0800	17415	Wed	Egyptian diplo	SITOR-A 100/170	(AB)
EGY	24-8	0800	17435	Wed	MFA Cairo wkg unid embassy	SITOR-A 100/170	(AB)
EGY	24-8	0802	17415	Wed	Egyptian diplo	CODAN	(AB)
EGY	24-8	0807	17435	Wed	99904: MFA Cairo traffic to 33310: unid embassy	CODAN	(AB)
EGY	26-8	1535	16010	Fri	71: MFA Cairo msg to Egyptian Embassy Washington	SITOR-A 100/170	(AB)
EGY	29-8	1050	17425	Mon	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
F01	1-8	1015	11076	Mon	Russian diplo/intel. 04450 58003 57158 ... 47165 85872 36411 00000 +++++	FSK 200/500	(AB)
F01	1-8	1025	9164	Mon	Russian diplo/intel. 04450 58003 57158 ... 47165 85872 36411 00000 +++++	FSK 200/500	(AB)
F01	1-8	1035	7316	Mon	Russian diplo/intel. 04450 58003 57158 ... 47165 85872 36411 00000 +++++	FSK 200/500	(AB)
F01	2-8	1015	11076	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)

F01	2-8	1025	9164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	2-8	1035	7316	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	3-8	1015	11076	Wed	Russian diplo/intel. 73327 50187 01225 ... 03497 91059 39407 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-8	1025	9164	Wed	Russian diplo/intel. 73327 50187 01225 ... 03497 91059 39407 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-8	1035	7316	Wed	Russian diplo/intel. 73327 50187 01225 ... 03497 91059 39407 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	3-8	1850	15854	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-8	1900	13543	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-8	1910	11126	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	4-8	1015	11076	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	4-8	1025	9164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	4-8	1035	7316	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	5-8	1015	11076	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	5-8	1025	9164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD-RUS)
F01	5-8	1035	7316	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD-RUS)
F01	8-8	1015	11076	Mon	Russian diplo/intel. 24007 75848 35567 ... 25021 20249 42401 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-8	1025	9164	Mon	Russian diplo/intel. 24007 75848 35567 ... 25021 20249 42401 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-8	1035	7316	Mon	Russian diplo/intel. 24007 75848 35567 ... 25021 20249 42401 00000 +++++ +++++	FSK 200/500	(AB)
F01	9-8	1015	11076	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9-8	1025	9164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9-8	1035	7316	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10-8	1015	11076	Wed	Russian diplo/intel. 98755 74354 98159 ... 30624 24791 45423 00000 +++++	FSK 200/500	(AB)
F01	10-8	1025	9164	Wed	Russian diplo/intel. 98755 74354 98159 ... 30624 24791 45423 00000 +++++	FSK 200/500	(AB)
F01	10-8	1035	7316	Wed	Russian diplo/intel. 98755 74354 98159 ... 30624 24791 45423 00000 +++++	FSK 200/500	(AB-RUS)
F01	11-8	1015	11076	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	11-8	1025	9164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	11-8	1035	7316	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12-8	1015	11076	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12-8	1025	9164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12-8	1035	7316	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	15-8	1015	11076	Mon	Russian diplo/intel. 17741 77897 28260 ... 12228 33068 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	15-8	1025	9164	Mon	Russian diplo/intel. 17741 77897 28260 ... 12228 33068 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	15-8	1035	7316	Mon	Russian diplo/intel. 17741 77897 28260 ... 12228 33068 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	16-8	1015	11076	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	16-8	1025	9164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	16-8	1035	7316	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	17-8	1015	11076	Wed	Russian diplo/intel. 90832 29322 89698 ... 84092 60905 51409 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	17-8	1025	9164	Wed	Russian diplo/intel. 90832 29322 89698 ... 84092 60905 51409 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	17-8	1035	7316	Wed	Russian diplo/intel. 90832 29322 89698 ... 84092 60905 51409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	18-8	1015	11076	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	18-8	1025	9164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	18-8	1035	7316	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	19-8	1015	11076	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)

F01	19-8	1025	9164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	19-8	1029	7316	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	22-8	1015	11076	Mon	Russian diplo/intel. 29402 52319 20028 ... 54647 87804 54417 00000 +++++	FSK 200/500	(AB)
F01	22-8	1015	11076	Mon	Russian diplo/intel. 68284 98125 52669 ... 55484 96034 60411 00000 +++++	FSK 200/500	(AB)
F01	22-8	1025	9164	Mon	Russian diplo/intel. 68284 98125 52669 ... 55484 96034 60411 00000 +++++	FSK 200/500	(AB)
F01	22-8	1025	9164	Mon	Russian diplo/intel. 29402 52319 20028 ... 54647 87804 54417 00000 +++++	FSK 200/500	(AB)
F01	22-8	1035	7316	Mon	Russian diplo/intel. 29402 52319 20028 ... 54647 87804 54417 00000 +++++	FSK 200/500	(AB)
F01	22-8	1035	7316	Mon	Russian diplo/intel. 68284 98125 52669 ... 55484 96034 60411 00000 +++++	FSK 200/500	(AB)
F01	23-8	1015	11076	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	23-8	1025	9164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	23-8	1035	7316	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	24-8	1015	11076	Wed	Russian diplo/intel. 22589 11337 60610 ... 13960 60381 57409 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	24-8	1025	9164	Wed	Russian diplo/intel. 22589 11337 60610 ... 13960 60381 57409 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	24-8	1035	7316	Wed	Russian diplo/intel. 22589 11337 60610 ... 13960 60381 57409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	25-8	1015	11076	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	25-8	1025	9164	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	25-8	1035	7316	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	25-8	1909	16023	Thu	Russian diplo/intel. Broadcast from Havana	FSK 200/500	(DW-MD)
F01	26-8	1015	11076	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	26-8	1025	9164	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	26-8	1029	7316	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	30-8	1015	11076	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	30-8	1025	9164	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	30-8	1035	7316	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	31-8	1015	11076	Wed	Russian diplo/intel. 48341 74433 75742 ... 26256 72479 63405 00000 +++++	FSK 200/500	(AB)
F01	31-8	1025	9164	Wed	Russian diplo/intel. 48341 74433 75742 ... 26256 72479 63405 00000 +++++	FSK 200/500	(AB)
F01	31-8	1035	7316	Wed	Russian diplo/intel. 48341 74433 75742 ... 26256 72479 63405 00000 +++++	FSK 200/500	(AB-RUS)
F02	5-8	1200	10681	Fri	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	8-8	1316	9067	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	9-8	0840	14918	Tue	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	12-8	0833	14918	Fri	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	15-8	0835	14377	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	15-8	0902	16083	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	15-8	0906	13484	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	16-8	0830	14918	Tue	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	19-8	0830	14918	Fri	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-8	0815	14377	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-8	0830	13484	Mon	Russian net. QSX 14377 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	22-8	0830	14377	Mon	Russian net. QSX 13484 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	22-8	0900	16083	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	23-8	0830	14918	Tue	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	26-8	0830	14918	Fri	Russian net	MFSK-4/150Bd/4000Hz	(AB)

F02	29-8	0830	13484	Mon	Russian net. QSX 14377 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	29-8	0830	14377	Mon	Russian net. QSX 13484 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	29-8	0900	16083	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	30-8	0830	14918	Tue	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	31-8	0800	14377	Wed	Russian net. Only 2 channels	MFSK-2/150Bd/8000Hz	(AB)
F02	31-8	0810	13484	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	31-8	0815	14377	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	31-8	0822	13436	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	31-8	0830	12125	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F03j	1-8	0615	17410	Mon	Polish intel. Test tone at 0605z but no transmission heard	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0620	17410	Mon	Polish intel. Test tone at 0605z but no transmission heard	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	1-8	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	1-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	1030	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	1-8	1035	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	1-8	1335	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	1-8	1340	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	2-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0615	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0620	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0735	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0740	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0835	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0840	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	1335	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	1340	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-8	1500	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)

F03j	2-8	1505	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	3-8	0615	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	3-8	0620	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	3-8	0735	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	0740	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	1030	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	1035	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-8	1335	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	3-8	1340	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	4-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0615	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0620	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0835	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0840	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	1335	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	1340	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0735	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0740	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	1335	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	5-8	1340	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	5-8	1500	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5-8	1505	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	0735	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-8	0740	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-8	1335	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	6-8	1340	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	7-8	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7-8	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7-8	1335	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	7-8	1340	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	0615	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0620	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	1030	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	1035	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	1335	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8-8	1340	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	9-8	0615	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0620	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0735	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0740	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0835	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0840	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-8	1335	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	9-8	1340	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	9-8	1500	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	9-8	1505	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	10-8	0615	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	10-8	0620	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-8	0735	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	0740	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	1030	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	1035	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-8	1335	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	10-8	1340	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	11-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0615	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0620	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0835	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0840	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	1335	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	11-8	1340	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	12-8	0735	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0740	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	1335	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	1340	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	1500	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	1505	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0735	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	13-8	0740	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-8	1335	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	13-8	1340	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	14-8	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-8	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-8	1335	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	14-8	1340	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	15-8	0615	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0620	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	1030	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	1035	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	1335	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	15-8	1340	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	16-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0615	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0620	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0735	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0740	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0835	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0840	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-8	1335	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	16-8	1340	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	16-8	1500	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	16-8	1505	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	17-8	0615	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-8	0620	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-8	0735	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	0740	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	17-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	1030	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	1035	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-8	1335	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	17-8	1340	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	18-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0615	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0620	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0720	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0725	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0835	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0840	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	1335	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	18-8	1340	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	19-8	0735	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0740	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	1335	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	1340	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	1500	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	1505	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0735	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0740	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	1335	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)

F03j	20-8	1340	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	21-8	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-8	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-8	1335	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	21-8	1340	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	0615	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0620	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	1030	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	1035	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	1335	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	22-8	1340	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0615	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0620	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0735	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0740	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0835	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0840	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	1335	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	1340	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	1500	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	23-8	1505	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	24-8	0615	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-8	0620	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	24-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	1030	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	1035	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-8	1335	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	24-8	1340	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	25-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0615	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0620	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0720	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0725	11420	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0835	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0840	12385	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	1335	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	25-8	1340	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	26-8	0735	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0740	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	1335	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	26-8	1340	10210	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	26-8	1500	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	26-8	1505	9950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	27-8	0735	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0740	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	1335	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	27-8	1340	10210	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0735	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0740	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	1335	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	28-8	1340	10210	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	29-8	0615	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0620	17410	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	1030	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	1035	8423	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	1335	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	29-8	1340	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	30-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0615	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0620	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0720	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0725	11420	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0735	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0740	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0835	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0840	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	1335	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	1340	10210	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-8	1500	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	30-8	1505	9950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	31-8	0615	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	31-8	0620	17410	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-8	0735	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	0740	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	1030	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	1035	8423	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	1335	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-8	1340	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-8	0950	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-8	0955	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	1-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	1-8	1935	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	1-8	1940	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	0635	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	0640	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	1100	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	1105	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	2-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	2-8	1935	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	2-8	1940	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	0950	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	0955	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	1100	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	1105	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	1935	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	3-8	1940	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0635	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0640	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0800	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	0805	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)

F03I	4-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	4-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	1935	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4-8	1940	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-8	0800	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-8	0805	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-8	1935	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-8	1940	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-8	1935	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-8	1940	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-8	1935	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-8	1940	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	0950	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	0955	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	1935	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-8	1940	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-8	0635	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-8	0640	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-8	1100	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	9-8	1105	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	9-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	9-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	9-8	1935	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-8	1940	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	0950	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	0955	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	1100	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	1105	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	1935	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-8	1940	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	0635	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	0640	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	0800	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	0805	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	11-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	11-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-8	1935	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	11-8	1940	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-8	0800	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-8	0805	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-8	1935	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-8	1940	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-8	1935	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-8	1940	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-8	1935	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-8	1940	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-8	0950	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-8	0955	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	15-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	15-8	1935	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-8	1940	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-8	0635	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-8	0640	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-8	1100	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-8	1105	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-8	1935	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-8	1940	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	0950	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	0955	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	1100	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	1105	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	1935	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-8	1940	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	0635	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	0640	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	0800	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	18-8	0805	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	18-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-8	1935	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	18-8	1940	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-8	0800	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-8	0805	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-8	1935	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-8	1940	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-8	1935	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-8	1940	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-8	1935	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-8	1940	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-8	0950	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	22-8	0955	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	22-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-8	1935	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	22-8	1940	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	23-8	0635	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-8	0640	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-8	1100	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-8	1105	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-8	1935	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-8	1940	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	0950	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	0955	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	1100	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	1105	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	1935	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-8	1940	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	0635	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	0640	14865	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	0800	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	25-8	0805	5194	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	25-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-8	1935	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	25-8	1940	8180	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-8	0800	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-8	0805	5194	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-8	1935	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-8	1940	8180	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-8	1935	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-8	1940	8180	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-8	1935	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-8	1940	8180	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-8	0950	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-8	0955	9079	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-8	1935	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	29-8	1940	8180	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	30-8	0635	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-8	0640	14865	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-8	1100	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-8	1105	6433	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-8	1935	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-8	1940	8180	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	0950	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	0955	9079	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	1100	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	1105	6433	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	1935	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	31-8	1940	8180	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	1-8	0400	10263	Mon	Russian diplo/intel. 11166 70059 54213 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-8	0410	8126	Mon	Russian diplo/intel. 11166 70059 54213 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-8	0420	6888	Mon	Russian diplo/intel. 11166 70059 54213 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-8	0700	11076	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	1-8	0710	9053	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	1-8	0720	7386	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	1-8	1200	10394	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	1-8	1210	8076	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	1-8	1220	6768	Mon	Russian diplo/intel. 11166 70202 14526 29067 02139	FSK 200/1000	(AB)
F06	2-8	0030	10736	Tue	11166 60070 75319 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-8	0040	9419	Tue	11166 60070 75319 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-8	0050	8121	Tue	11166 60070 75319 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-8	0700	11076	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)

F06	2-8	0710	9053	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)
F06	2-8	0720	7386	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)
F06	2-8	1200	10394	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)
F06	2-8	1210	8076	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)
F06	2-8	1220	6768	Tue	Russian diplo/intel. 11166 70202 14758 01068 01839 and 11166 70202 96358 01069 01539	FSK 200/1000	(AB)
F06	2-8	1650	17534	Tue	Russian diplo/intel. 11166 10053 45213 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-8	1700	15613	Tue	Russian diplo/intel. 11166 10053 45213 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-8	1710	12215	Tue	Russian diplo/intel. 11166 10053 45213 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-8	0600	16346	Wed	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-IND)
F06	3-8	0610	14847	Wed	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-J)
F06	3-8	0620	12223	Wed	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-J)
F06	3-8	0700	11076	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	3-8	0710	9053	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	3-8	0720	7386	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	3-8	1200	10394	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	3-8	1210	8076	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	3-8	1220	6768	Wed	Russian diplo/intel. 11166 70202 85296 02070 02099	FSK 200/1000	(AB)
F06	4-8	0600	16346	Thu	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-IND)
F06	4-8	0610	14847	Thu	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-J)
F06	4-8	0620	12223	Thu	Russian diplo/intel. 11166 40122 74852 30013 03639	FSK 200/1000	(AB-J)
F06	4-8	0700	11076	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	4-8	0710	9053	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	4-8	0720	7386	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	4-8	1200	10394	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	4-8	1210	8076	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	4-8	1220	6768	Thu	Russian diplo/intel. 11166 70202 78921 03071 01939 and 11166 70202 57231 03072 01739	FSK 200/1000	(AB)
F06	5-8	0700	11076	Fri	Russian diplo/intel. 11166 70202 74158 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	0710	9053	Fri	Russian diplo/intel. 11166 70202 74158 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	0720	7386	Fri	Russian diplo/intel. 11166 70202 74158 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-8	1530	17428	Sun	Russian diplo/intel. 11166 10053 78523 07001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	7-8	1540	15786	Sun	Russian diplo/intel. 11166 10053 78523 07001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	7-8	1550	12228	Sun	Russian diplo/intel. 11166 10053 78523 07001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	8-8	0700	11076	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB)
F06	8-8	0710	9053	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB)
F06	8-8	0720	7386	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB)
F06	8-8	1200	10394	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB/MPJ)
F06	8-8	1210	8076	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB/MPJ)
F06	8-8	1220	6768	Mon	Russian diplo/intel. 11166 70202 96325 05073 02039	FSK 200/1000	(AB/MPJ)
F06	9-8	0030	10736	Tue	11166 60070 54879 09075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-8	0040	9419	Tue	11166 60070 54879 09075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-8	0050	8121	Tue	11166 60070 54879 09075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-8	0700	11076	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)

F06	9-8	0710	9053	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)
F06	9-8	0720	7386	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)
F06	9-8	1200	10394	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)
F06	9-8	1210	8076	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)
F06	9-8	1220	6768	Tue	Russian diplo/intel. 11166 70202 14528 08074 01579 and 11166 70202 34587 08075 01779	FSK 200/1000	(AB)
F06	9-8	1650	17534	Tue	Russian diplo/intel. 11166 10053 15937 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9-8	1700	15613	Tue	Russian diplo/intel. 11166 10053 15937 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9-8	1710	12215	Tue	Russian diplo/intel. 11166 10053 15937 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10-8	0600	16346	Wed	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-KOR)
F06	10-8	0610	14847	Wed	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-J)
F06	10-8	0620	12223	Wed	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-J)
F06	10-8	0700	11076	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	10-8	0710	9053	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	10-8	0720	7386	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	10-8	1200	10394	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	10-8	1210	8076	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	10-8	1220	6768	Wed	Russian diplo/intel. 11166 70202 94127 09076 02739	FSK 200/1000	(AB)
F06	11-8	0600	16346	Thu	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-J)
F06	11-8	0610	14847	Thu	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-J)
F06	11-8	0620	12223	Thu	Russian diplo/intel. 11166 40122 74521 06014 03029 and 11166 40122 78520 06015 02679	FSK 200/1000	(AB-J)
F06	11-8	0700	11076	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB)
F06	11-8	0710	9053	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB)
F06	11-8	0720	7386	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB)
F06	11-8	1200	10394	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB/MPJ)
F06	11-8	1210	8076	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB/MPJ)
F06	11-8	1220	6768	Thu	Russian diplo/intel. 11166 70202 15678 10077 01679 and 11166 70202 97421 10078 01559	FSK 200/1000	(AB)
F06	12-8	0700	11076	Fri	Russian diplo/intel. 11166 70202 48519 12087 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-8	0710	9053	Fri	Russian diplo/intel. 11166 70202 48519 12087 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-8	0720	7386	Fri	Russian diplo/intel. 11166 70202 48519 12087 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-8	1530	17428	Sun	Russian diplo/intel. 11166 10053 54213 14001 00049 00000 00000 00000 00000	USB	(MPJ)
F06	14-8	1540	15786	Sun	Russian diplo/intel. 11166 10053 54213 14001 00049 00000 00000 00000 00000	USB	(MPJ)
F06	14-8	1550	12228	Sun	Russian diplo/intel. 11166 10053 54213 14001 00049 00000 00000 00000 00000	USB	(MPJ)
F06	15-8	0400	10263	Mon	Russian diplo/intel. 11166 70059 54213 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-8	0410	8126	Mon	Russian diplo/intel. 11166 70059 54213 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-8	0420	6888	Mon	Russian diplo/intel. 11166 70059 54213 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-8	0700	11076	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB)
F06	15-8	0710	9053	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB)
F06	15-8	0720	7386	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB)
F06	15-8	1200	10394	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB/MPJ)
F06	15-8	1210	8076	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB/MPJ)
F06	15-8	1220	6768	Mon	Russian diplo/intel. 11166 70202 24685 12079 02699	FSK 200/1000	(AB)
F06	16-8	0030	10736	Tue	11166 60070 86231 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	16-8	0040	9419	Tue	11166 60070 86231 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-8	0050	8121	Tue	11166 60070 86231 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-8	0700	11076	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	0710	9053	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	0720	7386	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	1200	10394	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	1210	8076	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	1220	6768	Tue	Russian diplo/intel. 11166 70202 62315 15080 01759 and 11166 70202 17439 15081 01979	FSK 200/1000	(AB)
F06	16-8	1650	17534	Tue	Russian diplo/intel. 11166 10053 54879 16019 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16-8	1700	15613	Tue	Russian diplo/intel. 11166 10053 54879 16019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16-8	1710	12215	Tue	Russian diplo/intel. 11166 10053 54879 16019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17-8	0600	16346	Wed	Russian diplo/intel. 11166 40122 54879 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	17-8	0610	14847	Wed	Russian diplo/intel. 11166 40122 54879 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	17-8	0620	12223	Wed	Russian diplo/intel. 11166 40122 54879 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	17-8	0700	11076	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB)
F06	17-8	0710	9053	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB)
F06	17-8	0720	7386	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB)
F06	17-8	1200	10394	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB/MPJ)
F06	17-8	1210	8076	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB/MPJ)
F06	17-8	1220	6768	Wed	Russian diplo/intel. 11166 70202 74158 16082 02319	FSK 200/1000	(AB/MPJ)
F06	18-8	0700	11076	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	18-8	0710	9053	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	18-8	0720	7386	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	18-8	1200	10394	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	18-8	1210	8076	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	18-8	1220	6768	Thu	Russian diplo/intel. 11166 70202 75193 17083 01619 and 11166 70202 98516 17084 01839	FSK 200/1000	(AB)
F06	19-8	0700	11076	Fri	Russian diplo/intel. 11166 70202 48519 19055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	0710	9053	Fri	Russian diplo/intel. 11166 70202 48519 19055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	0720	7386	Fri	Russian diplo/intel. 11166 70202 48519 19055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-8	1530	17428	Sun	Russian diplo/intel. 11166 10053 75319 21001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	21-8	1540	15786	Sun	Russian diplo/intel. 11166 10053 75319 21001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	21-8	1550	12228	Sun	Russian diplo/intel. 11166 10053 75319 21001 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	22-8	0700	11076	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	22-8	0710	9053	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	22-8	0720	7386	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	22-8	1200	10394	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	22-8	1210	8076	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	22-8	1220	6768	Mon	Russian diplo/intel. 11166 70202 57321 19085 02399	FSK 200/1000	(AB)
F06	23-8	0030	10736	Tue	11166 60070 54213 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-8	0040	9419	Tue	11166 60070 54213 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-8	0050	8121	Tue	11166 60070 54213 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-8	0700	11076	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB)

F06	23-8	0710	9053	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB)
F06	23-8	0720	7386	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB)
F06	23-8	1200	10394	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB/MPJ)
F06	23-8	1210	8076	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB/MPJ)
F06	23-8	1220	6768	Tue	Russian diplo/intel. 11166 70202 14758 22086 01419 and 11166 70202 36952 22087 02219	FSK 200/1000	(AB/MPJ)
F06	23-8	1650	17534	Tue	Russian diplo/intel. 11166 10053 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	23-8	1700	15613	Tue	Russian diplo/intel. 11166 10053 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	23-8	1710	12215	Tue	Russian diplo/intel. 11166 10053 78541 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	24-8	0600	16346	Wed	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	24-8	0610	14847	Wed	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	24-8	0620	12223	Wed	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	24-8	0700	11076	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB)
F06	24-8	0710	9053	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB)
F06	24-8	0720	7386	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB)
F06	24-8	0915	20355	Wed	Russian diplo/intel. 11166 40023 04398 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-8	0930	15665	Wed	Russian diplo/intel. 11166 40023 04398 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-8	0945	14378	Wed	Russian diplo/intel. 11166 40023 04398 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-8	1200	10394	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB/MPJ)
F06	24-8	1210	8076	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB/MPJ)
F06	24-8	1220	6768	Wed	Russian diplo/intel. 11166 70202 64582 23088 02119	FSK 200/1000	(AB/MPJ)
F06	25-8	0600	16346	Thu	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	25-8	0610	14847	Thu	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	25-8	0620	12223	Thu	Russian diplo/intel. 11166 40122 74521 20016 03259	FSK 200/1000	(AB-J)
F06	25-8	0700	11076	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	25-8	0710	9053	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	25-8	0720	7386	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	25-8	1200	10394	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	25-8	1210	8076	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	25-8	1220	6768	Thu	Russian diplo/intel. 11166 70202 98523 24089 01439 and 11166 70202 47651 24090 02259	FSK 200/1000	(AB)
F06	26-8	0700	11076	Fri	Russian diplo/intel. 11166 70202 75196 26014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	0710	9053	Fri	Russian diplo/intel. 11166 70202 75196 26014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	0720	7386	Fri	Russian diplo/intel. 11166 70202 75196 26014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-8	1530	17428	Sun	Russian diplo/intel. 11166 10053 98720 28070 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	28-8	1540	15786	Sun	Russian diplo/intel. 11166 10053 98720 28070 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	28-8	1550	12228	Sun	Russian diplo/intel. 11166 10053 98720 28070 00049 00000 00000 00000 00000	USB	(AB/MPJ)
F06	29-8	0700	11076	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB)
F06	29-8	0710	9053	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB)
F06	29-8	0720	7386	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB)
F06	29-8	1200	10394	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB/MPJ)
F06	29-8	1210	8076	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB/MPJ)
F06	29-8	1220	6768	Mon	Russian diplo/intel. 11166 70202 74158 26091 02039	FSK 200/1000	(AB/MPJ)
F06	30-8	0030	10736	Tue	11166 60070 45869 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	30-8	0040	9419	Tue	11166 60070 45869 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-8	0050	8121	Tue	11166 60070 45869 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-8	0700	11076	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	0710	9053	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	0720	7386	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	1200	10394	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	1210	8076	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	1220	6768	Tue	Russian diplo/intel. 11166 70202 15648 29092 01859 and 11166 70202 64853 29093 01999	FSK 200/1000	(AB)
F06	30-8	1650	17534	Tue	Russian diplo/intel. 11166 10053 54879 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	30-8	1700	15613	Tue	Russian diplo/intel. 11166 10053 54879 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	30-8	1710	12215	Tue	Russian diplo/intel. 11166 10053 54879 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-8	0600	16346	Wed	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-RUS)
F06	31-8	0610	14847	Wed	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-J)
F06	31-8	0620	12223	Wed	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-J)
F06	31-8	0700	11076	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06	31-8	0710	9053	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06	31-8	0720	7386	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06	31-8	1200	10394	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06	31-8	1210	8076	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06	31-8	1220	6768	Wed	Russian diplo/intel. 11166 70202 28439 30094 02079	FSK 200/1000	(AB)
F06a	4-8	0400	6916	Thu	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	4-8	0415	5851	Thu	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	4-8	0430	4831	Thu	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	5-8	0400	6916	Fri	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	5-8	0415	5851	Fri	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	5-8	0430	4831	Fri	Russian diplo/intel. File 44439	FSK 200/1000	(AB)
F06a	6-8	2100	19478	Sat	Russian diplo/intel. File 04432	FSK 200/1000	(AB/RL)
F06a	6-8	2115	15975	Sat	Russian diplo/intel. File 04432	FSK 200/1000	(AB/RL)
F06a	6-8	2130	13917	Sat	Russian diplo/intel. File 04432	FSK 200/1000	(AB/RL)
F06a	7-8	2100	19478	Sun	Russian diplo/intel. File 04432	FSK 200/1000	(AB-RUS)
F06a	7-8	2115	15975	Sun	Russian diplo/intel. File 04432	FSK 200/1000	(AB)
F06a	7-8	2130	13917	Sun	Russian diplo/intel. File 04432	FSK 200/1000	(AB)
F06a	11-8	0400	6916	Thu	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	11-8	0415	5851	Thu	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	11-8	0430	4831	Thu	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	11-8	0600	6957	Thu	Russian diplo/intel. File 42474 (2013 bytes), binary contents	FSK 200/1000	(PY)
F06a	11-8	0615	9425	Thu	Russian diplo/intel. File 42474 (2013 bytes), binary contents	FSK 200/1000	(PY)
F06a	11-8	0630	11611	Thu	Russian diplo/intel. File 42474 (2013 bytes), binary contents	FSK 200/1000	(PY)
F06a	12-8	0400	6916	Fri	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	12-8	0415	5851	Fri	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	12-8	0430	4831	Fri	Russian diplo/intel. File 44440	FSK 200/1000	(AB)
F06a	13-8	2100	19478	Sat	Russian diplo/intel. File 04433	FSK 200/1000	(AB/RL)

F06a	13-8	2115	15975	Sat	Russian diplo/intel. File 04433	FSK 200/1000	(AB)
F06a	13-8	2130	13917	Sat	Russian diplo/intel. File 04433	FSK 200/1000	(AB)
F06a	14-8	2100	19478	Sun	Russian diplo/intel. File 04433	FSK 200/1000	(AB-RUS)
F06a	14-8	2115	15975	Sun	Russian diplo/intel. File 04433	FSK 200/1000	(AB)
F06a	14-8	2130	13917	Sun	Russian diplo/intel. File 04433	FSK 200/1000	(AB)
F06a	18-8	0400	6916	Thu	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	18-8	0415	5851	Thu	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	18-8	0430	4831	Thu	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	19-8	0400	6916	Fri	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	19-8	0415	5851	Fri	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	19-8	0430	4831	Fri	Russian diplo/intel. File 44441	FSK 200/1000	(AB)
F06a	20-8	2100	19478	Sat	Russian diplo/intel. File 04434	FSK 200/1000	(AB)
F06a	20-8	2115	15975	Sat	Russian diplo/intel. File 04434	FSK 200/1000	(AB/RL)
F06a	20-8	2130	13917	Sat	Russian diplo/intel. File 04434	FSK 200/1000	(AB/RL)
F06a	21-8	2100	19478	Sun	Russian diplo/intel. File 04434	FSK 200/1000	(AB)
F06a	21-8	2115	15975	Sun	Russian diplo/intel. File 04434	FSK 200/1000	(AB)
F06a	21-8	2130	13917	Sun	Russian diplo/intel. File 04434	FSK 200/1000	(AB)
F06a	25-8	0400	6916	Thu	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	25-8	0415	5851	Thu	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	25-8	0430	4831	Thu	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	26-8	0400	6916	Fri	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	26-8	0415	5851	Fri	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	26-8	0430	4831	Fri	Russian diplo/intel. File 04442	FSK 200/1000	(AB)
F06a	27-8	2100	19478	Sat	Russian diplo/intel. File 04435	FSK 200/1000	(AB/RL)
F06a	27-8	2115	15975	Sat	Russian diplo/intel. File 04435	FSK 200/1000	(AB/RL)
F06a	27-8	2130	13917	Sat	Russian diplo/intel. File 04435	FSK 200/1000	(AB/RL)
F06a	28-8	2100	19478	Sun	Russian diplo/intel. File 04435	FSK 200/1000	(AB)
F06a	28-8	2115	15975	Sun	Russian diplo/intel. File 04435	FSK 200/1000	(AB)
F06a	28-8	2130	13917	Sun	Russian diplo/intel. File 04435	FSK 200/1000	(AB)
HM01	1-8	1600	11435	Mon	02644 71262 10774 07441 68501 41811 (repeat of 30 June)	AM/WinDRM	(AB-USA)
HM01	5-8	1608	11435	Fri	Radio Habana Cuba followed by 33181 11747 11183 82285 71264 87747 (repeat of 24-6-2021) Files 10323318.TXT 50721174.F1C 30161118.TXT 36048228.F1G 01667126.TXT 36858774.F1G	AM/RDFT	(AB-USA)
HM01	5-8	1624	11435	Fri	22836 21581 05813 67101 27041 21617 Files 80172283.TXT 31752158.TXT 74000581.TXT 48786710.TXT 07752704.TXT 50562161.F1C	AM/WinDRM	(AB-USA)
HM01	5-8	1700	11530	Fri	22836 21581 05813 67101 27041 21617	AM/WinDRM	(AB-USA)
HM01	5-8	1729	11530	Fri	22836 21581 05813 67101 27041 21617	AM/WinDRM	(AB-USA)
HM01	5-8	2107	11635	Fri	22836 21581 05813 67101 27041 21617	AM/WinDRM	(RR2)
HM01	6-8	1622	11435	Sat	22836 21581 05813 67101 27041 21617 (repeat of 5 Aug)	AM/WinDRM	(AB-USA)
HM01	6-8	1833	11635	Sat	22836 21581 05813 67101 27041 21617 (repeat of 5 Aug)	AM/WinDRM	(RR2)
HM01	7-8	1645	11435	Sun	22836 21581 05813 67101 27041 21617 (repeat of 5 Aug)	AM/WinDRM	(AB-USA)
HM01	7-8	1833	11635	Sun	22836 21581 05813 67101 27041 21617 (repeat of 5 Aug)	AM/WinDRM	(RR2)
HM01	8-8	1600	11435	Mon	22836 21581 05813 67101 27041 21617 (repeat of 5 Aug)	AM/WinDRM	(AB-USA)

HM01	8-8	1822	11635	Mon	22838 21582 05815 67103 27042 41201 (files not decoded)	AM/WinDRM	(RR2)
HM01	8-8	1830	11635	Mon	26851 21584 05817 67105 27044 41203 Files 24782685.TXT 31752158.TXT 74000581.TXT 48786710.TXT 07752704.TXT 86304120.TXT	AM/WinDRM	(RR2)
HM01	9-8	1704	11530	Tue	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RR2)
HM01	9-8	1800	11635	Tue	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	10-8	1615	11435	Wed	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	10-8	1700	11530	Wed	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	11-8	1610	11435	Thu	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RR2)
HM01	11-8	1730	11530	Thu	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	11-8	2304	10715	Thu	i.p. 26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RL)
HM01	12-8	1608	11435	Fri	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/RDFT	(AB-USA/RR2)
HM01	13-8	1610	11435	Sat	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RR2)
HM01	13-8	1657	11530	Sat	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	14-8	1645	11435	Sun	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	15-8	1038	9155	Mon	i.p. 26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(EW)
HM01	15-8	1647	11435	Mon	i.p. 26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	15-8	2218	10715	Mon	i.p. 26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RL)
HM01	16-8	1559	11435	Tue	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	16-8	1700	11530	Tue	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	17-8	1621	11435	Wed	i.p. 26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	17-8	2200	10715	Wed	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(RL)
HM01	18-8	1559	11435	Thu	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/WinDRM	(AB-USA)
HM01	19-8	1608	11435	Fri	26851 21584 05817 67105 27044 41203 (repeat of 8 Aug)	AM/RDFT	(AB-USA/RR2)
HM01	20-8	0530	11462	Sat	Callup: 02323 76136 22851 02761 11856 82407 Groups + file: 02323 76134 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322 callsign QWERTY01 File: 12418240.TXT	AM/WinDRM	(AB-USA)
HM01	20-8	0558	11462	Sat	Should be on 14375 kHz. Off at 0610z. Callup: 02323 76136 22851 02761 11856 82407 Groups + file: 02323 76134 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322 callsign QWERTY01 File: 12418240.TXT	AM/WinDRM	(AB-USA)
HM01	20-8	0750	11635	Sat	i.p. Off at 0755z Groups + file: 11855 11856 82406 82407 02322	AM/WinDRM	(AB-USA)
HM01	20-8	0759	11635	Sat	Callup: 02323 76136 22851 02761 11856 82407 Groups + file: 02323 76135 76136 22851 22851 02761 02761 11855 11856 82406 82407 02322 callsign QWERTY01 File: 12418240.TXT	AM/WinDRM	(AB-USA)
HM01	20-8	1600	11435	Sat	02324 76137 22852 02762 11857 82408 Callsign QWERTY01 Files 36680232.F1G 50727613.F1C 36412285.F1G 22110276.TXT 12261185.TXT 12418240.TXT	AM/WinDRM	(AB-USA/RR2)
HM01	21-8	0556	10345	Sun	02324 76137 22852 02762 11857 82408	AM/WinDRM	(AB-USA)
HM01	21-8	0656	9330	Sun	02324 76137 22852 02762 11857 82408	AM/WinDRM	(AB-USA)
HM01	21-8	0759	9065	Sun	02324 76137 22852 02762 11857 82408	AM/WinDRM	(AB-USA)
HM01	21-8	1815	11635	Sun	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	22-8	0659	9330	Mon	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	22-8	1602	11435	Mon	Late start 02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	23-8	1700	11530	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	23-8	1829	11635	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	23-8	2109	16180	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(DW-MD)

HM01	23-8	2204	17480	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(DW-MD)
HM01	24-8	1620	11435	Wed	i.p. 02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	24-8	1700	11530	Wed	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	24-8	2200	10715	Wed	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RL)
HM01	25-8	1610	11435	Thu	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	25-8	1700	11530	Thu	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	26-8	1559	11435	Fri	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/RDFT	(AB-USA/RR2)
HM01	26-8	1659	11530	Fri	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/RDFT	(AB-USA)
HM01	26-8	2200	10715	Fri	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/RDFT	(RL)
HM01	27-8	1630	11435	Sat	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	28-8	1623	11435	Sun	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	28-8	1732	11530	Sun	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	29-8	1808	11635	Mon	i.p. 02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	30-8	1658	11435	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug). Switched to 11530 kHz at 1703z	AM/WinDRM	(AB-USA)
HM01	30-8	1703	11530	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
HM01	30-8	1730	11530	Tue	02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(RR2)
HM01	31-8	1601	11435	Wed	i.p. 02324 76137 22852 02762 11857 82408 (repeat of 20 Aug)	AM/WinDRM	(AB-USA)
M01	2-8	1800	5280	Tue	025 426 426 30 30 54216 91421 63819 ... 54813 45192 84413 426 426 30 30 000	CW	(AB-FIN/MPJ-POL)
M01	2-8	2000	4903	Tue	025 528 528 30 30 01427 84514 05517 ... 84526 38451 95631 528 528 30 30 000	CW	(AB)
M01	4-8	1800	5280	Thu	075 134 134 30 30 = = 75839 01637 01736 ... 18374 16372 17381 = = 134 134 30 30 000	CW	(AB-FIN/MPJ)
M01	4-8	2000	4903	Thu	025 845 30 = = 03847 ...	CW	(AB)
M01	6-8	1500	6435	Sat	025 304 304 30 30 = = 28746 36276 48576 ... 58476 95867 09760 = = 304 304 30 30 000	CW	(AB-FIN/MPJ-POL)
M01	9-8	1800	5280	Tue	025 290 290 30 30 = = 63849 19030 29830 ... 74890 63787 83655 = = 290 290 30 30 000	CW	(AB-FIN/MPJ-POL)
M01	9-8	2000	4903	Tue	025 911 911 30 30 = = 01928 30487 47299 ... 09233 08247 84504 = = 911 911 30 30 000	CW	(AB)
M01	11-8	2000	4903	Thu	025 759 759 30 30 = = 38475 84754 75684 ... 01847 37465 32764 = = 759 759 30 30 000	CW	(AB)
M01	13-8	1500	6435	Sat	025 815 815 = = (no group count) 89209 14562 38749 ... 38940 27389 36478 = = 815 815 30 30 000	CW	(AB-FIN/MPJ-FIN)
M01	14-8	0700	6780	Sun	025 845 845 30 30 19063 26343 28938 ... 38290 67489 90376 845 845 30 30 000	CW	(AB-RUS)
M01	16-8	1800	5280	Tue	025 (R) 095 095 30 30 64557 75648 48756 ... 85769 35433 40988 095 095 30 30 000	CW	(AB-FIN/MPJ)
M01	16-8	2000	4903	Tue	025 109 109 30 30 40958 79809 20299 ... 109 109 30 30 000	CW	(AB)
M01	18-8	1800	5280	Thu	025 436 436 30 30 53612 84512 09415 ... 34517 84914 95720 436 436 30 30 000	CW	(AB-RUS/MPJ-HNG)
M01	18-8	2000	4903	Thu	025 322 322 30 30 93512 03417 83910 ... 04672 94512 03221 322 322 30 30 000	CW	(AB)
M01	20-8	1500	6435	Sat	025 418 418 30 30 94616 16478 09315 ... 84915 64712 94712 418 418 30 30 000	CW	(AB-BLR/MPJ-FIN)
M01	21-8	0700	6780	Sun	025 891 30 = = 45361 84519 37180 ... 38671 67891 03717 = = 891 891 30 30 000	CW	(AB-BLR)
M01	23-8	1800	5280	Tue	025 185 185 30 30 = = 19587 47364 85746 ... 27521 74612 86904 = = 185 185 30 30 000	CW	(AB-BLR/MPJ)
M01	23-8	2000	4903	Tue	025 374 374 30 30 = = 74364 75847 37264 ... 247 3284 46546 86785 = = 374 374 30 30 000	CW	(AB)

M01	25-8	1800	5280	Thu	025 178 178 30 30 = = 28746 36276 (26376) 48576 ... 58476 95867 09760 (9760) = = 178 178 30 30 000	CW	(AB-RUS/MPJ)
M01	27-8	1500	6435	Sat	025 399 399 30 30 = = 85769 98098 20922 ... 57648 13211 30093 = = 399 399 30 30 000	CW	(AB)
M01	28-8	0700	6780	Sun	025 428 428 30 30 46576 87698 79860 ... 57689 46537 14324 428 428 30 30 000	CW	(AB-BLR)
M01	30-8	1800	5280	Tue	025 723 723 30 30 = = 61849 05618 21648 ... 81756 02759 01759 = = 723 723 30 30 000	CW	(AB-BLR/MPJ)
M01	30-8	2000	4903	Tue	025 503 503 30 30 = = 71037 91047 81930 ... 21645 75914 01759 = = 503 503 30 30 000	CW	(AB)
M12	1-8	1230	12205	Mon	973 973 973 1 9277 61 9277 61 19594 33160 84331 ... 39999 02826 00303 000 000	CW	(AB)
M12	1-8	1230	12205	Mon	973 973 973 1 2424 58 2424 58 51392 19188 18220 ... 22752 06017 29528 000 000	CW	(AB)
M12	1-8	1250	13559	Mon	973 973 973 1 2424 58 2424 58 51392 19188 18220 ... 22752 06017 29528 000 000	CW	(AB)
M12	1-8	1250	13559	Mon	973 973 973 1 9277 61 9277 61 19594 33160 84331 ... 39999 02826 00303 000 000	CW	(AB)
M12	1-8	1310	14728	Mon	973 973 973 1 2424 58 2424 58 51392 19188 18220 ... 22752 06017 29528 000 000	CW	(AB)
M12	1-8	1310	14728	Mon	973 973 973 1 9277 61 9277 61 19594 33160 84331 ... 39999 02826 00303 000 000	CW	(AB)
M12	1-8	1600	16251	Mon	294 294 294 000	CW	(AB/MPJ)
M12	1-8	1620	14951	Mon	294 294 294 000	CW	(AB/MPJ)
M12	1-8	2000	12148	Mon	374 374 374 000	CW	(AB/RL/HFD)
M12	1-8	2020	10648	Mon	374 374 374 000	CW	(AB/RL/HFD)
M12	1-8	2110	12214	Mon	209 209 209 000	CW	(AB/RL/HFD)
M12	1-8	2130	11014	Mon	209 209 209 000	CW	(AB/RL/HFD)
M12	2-8	0030	6784	Tue	713 713 713 000	CW	(AB/HFD)
M12	2-8	0050	8184	Tue	713 713 713 000	CW	(AB/HFD)
M12	2-8	0700	11148	Tue	161 161 161 000	CW	(AB-J)
M12	2-8	0720	10648	Tue	161 161 161 000	CW	(AB-J)
M12	2-8	0800	13391	Tue	387 387 387 000	CW	(AB)
M12	2-8	0820	13891	Tue	387 387 387 000	CW	(AB)
M12	3-8	1600	14681	Wed	683 683 683 000	CW	(AB/MPJ)
M12	3-8	1620	13881	Wed	683 683 683 000	CW	(AB/MPJ)
M12	3-8	2210	9052	Wed	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(AB/RL)
M12	3-8	2230	8062	Wed	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(AB/RL)
M12	3-8	2250	6952	Wed	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(AB/RL)
M12	4-8	0700	11148	Thu	161 161 161 000	CW	(AB-J)
M12	4-8	0720	10648	Thu	161 161 161 000 distorted signal	CW	(AB-J)
M12	4-8	1110	13386	Thu	725 725 725 1 2668 99 2668 99 95217 67595 36313 ... 60400 86558 61338 000 000	CW	(AB)
M12	4-8	1130	12189	Thu	725 725 725 1 2668 99 2668 99 95217 67595 36313 ... 60400 86558 61338 000 000	CW	(AB)
M12	4-8	1150	11491	Thu	725 725 725 1 2668 99 2668 99 95217 67595 36313 ... 60400 86558 61338 000 000	CW	(AB)
M12	4-8	1600	16251	Thu	294 294 294 000	CW	(AB/HFD)
M12	4-8	1620	14951	Thu	294 294 294 000	CW	(AB/HFD)
M12	4-8	2000	12148	Thu	374 374 374 000	CW	(AB/RL)
M12	4-8	2020	10648	Thu	374 374 374 000	CW	(AB/RL)
M12	4-8	2110	12214	Thu	209 209 209 000	CW	(AB/RL)
M12	4-8	2130	11014	Thu	209 209 209 000	CW	(AB/RL/HFD)
M12	5-8	0800	13391	Fri	387 387 387 000	CW	(AB/HFD)
M12	5-8	0820	13891	Fri	387 387 387 000	CW	(AB)

M12	5-8	1900	15931	Fri	985 985 985 000	CW	(AB/HFD)
M12	5-8	1920	14831	Fri	985 985 985 000	CW	(AB/HFD)
M12	5-8	2100	10314	Fri	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB)
M12	5-8	2120	9114	Fri	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB)
M12	5-8	2140	8014	Fri	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB)
M12	6-8	1800	11435	Sat	938 938 938 1 6200 77 6200 77 68773 68996 80885 ... 88662 52209 84298 90104 000 000	CW	(AB)
M12	6-8	1820	10598	Sat	938 938 938 1 6200 77 6200 77 68773 68996 80885 ... 88662 52209 84298 90104 000 000	CW	(AB)
M12	6-8	1840	9327	Sat	938 938 938 1 6200 77 6200 77 68773 68996 80885 ... 88662 52209 84298 90104 000 000	CW	(AB)
M12	6-8	2100	10314	Sat	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB/RL/HFD)
M12	6-8	2120	9114	Sat	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB/RL/HFD)
M12	6-8	2140	8014	Sat	310 310 310 1 794 204 794 204 45761 27842 14584 ... 33103 61552 33300 000 000	CW	(AB/RL/HFD)
M12	6-8	2210	9052	Sat	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(RL/HFD)
M12	6-8	2230	8062	Sat	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(RL/HFD)
M12	6-8	2250	6952	Sat	992 992 992 1 1341 112 1341 112 33026 40196 30095 ... 58803 18190 90323 000 000	CW	(RL/HFD)
M12	7-8	1600	14681	Sun	683 683 683 000	CW	(AB/MPJ/HFD)
M12	7-8	1620	13881	Sun	683 683 683 000	CW	(AB/MPJ/HFD)
M12	8-8	1230	12205	Mon	973 973 973 1 ...	CW	(HFD)
M12	8-8	1250	13559	Mon	973 973 973 1 ...	CW	(HFD)
M12	8-8	1310	14728	Mon	973 973 973 1 ...	CW	(HFD)
M12	8-8	1600	16251	Mon	294 294 294 000	CW	(AB/MPJ)
M12	8-8	1620	14951	Mon	294 294 294 000	CW	(AB/MPJ)
M12	8-8	2000	12148	Mon	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	8-8	2020	10648	Mon	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	8-8	2040	9148	Mon	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	8-8	2110	12214	Mon	209 209 209 000	CW	(AB)
M12	8-8	2130	11014	Mon	209 209 209 000	CW	(AB/RL)
M12	9-8	0030	6784	Tue	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	9-8	0050	8184	Tue	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	9-8	0110	9342	Tue	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	9-8	0700	11148	Tue	161 161 161 000	CW	(AB-J)
M12	9-8	0720	10648	Tue	161 161 161 000	CW	(AB-J)
M12	9-8	0800	13391	Tue	387 387 387 000	CW	(AB)
M12	9-8	0820	13891	Tue	387 387 387 000	CW	(AB)
M12	10-8	1600	14681	Wed	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	10-8	1620	13881	Wed	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	10-8	1640	13381	Wed	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	10-8	1900	15931	Wed	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB/HFD)
M12	10-8	1920	14831	Wed	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB/HFD)
M12	10-8	1940	13531	Wed	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB/HFD)
M12	10-8	2210	9052	Wed	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB)
M12	10-8	2230	8062	Wed	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB)
M12	10-8	2250	6952	Wed	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB)

M12	11-8	0700	11148	Thu	161 161 161 000	CW	(AB-J/HFD)
M12	11-8	0720	10648	Thu	161 161 161 000 Distorted audio	CW	(AB-J/HFD)
M12	11-8	1110	13386	Thu	725 725 725 1 1300 98 1300 98 25801 39109 88807 ... 00255 97175 42744 000 000	CW	(AB/MPJ)
M12	11-8	1130	12189	Thu	725 725 725 1 1300 98 1300 98 25801 39109 88807 ... 00255 97175 42744 000 000	CW	(AB/MPJ)
M12	11-8	1150	11491	Thu	725 725 725 1 1300 98 1300 98 25801 39109 88807 ... 00255 97175 42744 000 000	CW	(AB/MPJ)
M12	11-8	1600	16251	Thu	294 294 294 000	CW	(AB/MPJ)
M12	11-8	1620	14951	Thu	294 294 294 000	CW	(AB/MPJ)
M12	11-8	2000	12148	Thu	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	11-8	2020	10648	Thu	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	11-8	2040	9148	Thu	374 374 374 1 856 78 856 78 05123 05814 56245 ... 69132 87020 71649 000 000	CW	(AB/RL)
M12	11-8	2110	12214	Thu	209 209 209 000	CW	(AB/RL)
M12	11-8	2130	11014	Thu	209 209 209 000	CW	(AB/RL)
M12	12-8	0030	6784	Fri	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	12-8	0050	8184	Fri	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	12-8	0110	9342	Fri	713 713 713 1 750 76 750 76 47962 30413 08328 ... 11818 80484 52420 000 000	CW	(AB)
M12	12-8	0800	13391	Fri	387 387 387 000	CW	(AB)
M12	12-8	0820	13891	Fri	387 387 387 000	CW	(AB)
M12	12-8	1900	15931	Fri	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB)
M12	12-8	1920	14831	Fri	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB)
M12	12-8	1940	13531	Fri	985 985 985 1 9745 96 9745 96 48019 95434 54850 ... 74062 14883 45940 000 000	CW	(AB)
M12	12-8	2100	10314	Fri	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	12-8	2120	9114	Fri	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	12-8	2140	8014	Fri	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	13-8	1800	11435	Sat	938 938 938 1 5021 77 5021 77 80084 77020 56318 ... 37990 05758 26346 000 000	CW	(AB)
M12	13-8	1820	10598	Sat	938 938 938 1 5021 77 5021 77 80084 77020 56318 ... 37990 05758 26346 000 000	CW	(AB)
M12	13-8	1840	9327	Sat	938 938 938 1 5021 77 5021 77 80084 77020 56318 ... 37990 05758 26346 000 000	CW	(AB)
M12	13-8	2100	10314	Sat	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	13-8	2120	9114	Sat	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	13-8	2140	8014	Sat	985 985 985 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	13-8	2210	9052	Sat	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB/RL)
M12	13-8	2230	8062	Sat	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB/RL)
M12	13-8	2250	6952	Sat	992 992 992 1 868 98 868 98 35149 55297 76571 ... 26349 86976 74013 000 000	CW	(AB/RL)
M12	14-8	1600	14681	Sun	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	14-8	1620	13881	Sun	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	14-8	1640	13381	Sun	683 683 683 1 1155 64 1155 64 65008 51962 07233 ... 48205 29271 86759 000 000	CW	(AB/MPJ)
M12	15-8	0210	12163	Mon	114 114 114 1....	CW	(HFD)
M12	15-8	0230	11163	Mon	114 114 114 1....	CW	(HFD)
M12	15-8	0250	10463	Mon	114 114 114 1....	CW	(HFD)
M12	15-8	1230	12205	Mon	973 973 973 1 0637 61 3637 61 52661 37962 03477 ... 22910 40194 97696 000 000	CW	(AB/MPJ)
M12	15-8	1250	13559	Mon	973 973 973 1 0637 61 3637 61 52661 37962 03477 ... 22910 40194 97696 000 000	CW	(AB/MPJ)
M12	15-8	1310	14728	Mon	973 973 973 1 0637 61 3637 61 52661 37962 03477 ... 22910 40194 97696 000 000	CW	(AB/MPJ)
M12	15-8	1600	16251	Mon	294 294 294 1 8930 94 8930 94 29594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)

M12	15-8	1620	14951	Mon	294 294 294 1 8930 94 8930 94 29594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)
M12	15-8	1640	14451	Mon	294 294 294 1 8930 94 8930 94 29594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)
M12	15-8	2000	12148	Mon	374 374 374 000	CW	(AB/RL)
M12	15-8	2020	10648	Mon	374 374 374 000	CW	(AB/RL)
M12	15-8	2110	12214	Mon	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	15-8	2130	11014	Mon	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	15-8	2150	9914	Mon	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	16-8	0030	6784	Tue	713 713 713 000	CW	(AB)
M12	16-8	0050	8184	Tue	713 713 713 000	CW	(AB)
M12	16-8	0700	11148	Tue	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	16-8	0720	10648	Tue	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	16-8	0740	9148	Tue	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	16-8	0800	13391	Tue	387 387 387 000	CW	(AB)
M12	16-8	0820	13891	Tue	387 387 387 000	CW	(AB)
M12	17-8	1600	14681	Wed	683 683 683 000	CW	(AB/MPJ)
M12	17-8	1620	13881	Wed	683 683 683 000	CW	(AB/MPJ)
M12	17-8	1900	15931	Wed	985 985 985 000	CW	(AB/RL)
M12	17-8	1920	14831	Wed	985 985 985 000	CW	(AB)
M12	17-8	2210	9052	Wed	992 1 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	17-8	2230	8062	Wed	992 1 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	17-8	2250	6952	Wed	992 1 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	18-8	0700	11148	Thu	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	18-8	0720	10648	Thu	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	18-8	0740	9148	Thu	061 161 161 1 217 106 217 106 12021 47366 45730 ... 19675 35456 53071 000 000	CW	(AB-J)
M12	18-8	1110	13386	Thu	725 725 725 1 7004 98 7004 98 62062 65397 54681 ... 84943 39434 02703 000 000	CW	(AB/MPJ)
M12	18-8	1130	12189	Thu	725 725 725 1 7004 98 7004 98 62062 65397 54681 ... 84943 39434 02703 000 000	CW	(AB/MPJ)
M12	18-8	1150	11491	Thu	725 725 725 1 7004 98 7004 98 62062 65397 54681 ... 84943 39434 02703 000 000	CW	(AB/MPJ)
M12	18-8	1600	16251	Thu	294 294 294 1 8930 94 8930 94 19594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)
M12	18-8	1620	14951	Thu	294 294 294 1 8930 94 8930 94 19594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)
M12	18-8	1640	14451	Thu	294 294 294 1 8930 94 8930 94 19594 37498 33143 ... 58810 27342 01439 000 000	CW	(AB)
M12	18-8	2000	12148	Thu	374 374 374 000	CW	(AB/RL)
M12	18-8	2020	10648	Thu	374 374 374 000	CW	(AB/RL)
M12	18-8	2110	12214	Thu	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	18-8	2130	11014	Thu	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	18-8	2150	9914	Thu	209 209 209 1 1613 83 1613 83 48407 30310 88894 ... 83149 46530 49109 000 000	CW	(AB/RL)
M12	19-8	0030	6784	Fri	713 713 713 000	CW	(AB)
M12	19-8	0050	8184	Fri	713 713 713 000	CW	(AB)
M12	19-8	0800	13391	Fri	387 387 387 000	CW	(AB)
M12	19-8	0820	13891	Fri	387 387 387 000	CW	(AB)
M12	19-8	2100	10314	Fri	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	19-8	2120	9114	Fri	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)
M12	19-8	2140	8014	Fri	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB)

M12	20-8	1800	11435	Sat	938 938 938 1 4589 76 4589 76 94269 08297 23605 ... 37678 62327 39325 000 000	CW	(AB)
M12	20-8	1820	10598	Sat	938 938 938 1 4589 76 4589 76 94269 08297 23605 ... 37678 62327 39325 000 000	CW	(AB)
M12	20-8	1840	9327	Sat	938 938 938 1 4589 76 4589 76 94269 08297 23605 ... 37678 62327 39325 000 000	CW	(AB)
M12	20-8	2100	10314	Sat	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB/RL)
M12	20-8	2120	9114	Sat	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB/RL)
M12	20-8	2140	8014	Sat	310 310 310 1 782 108 782 108 12935 00124 84222 ... 64690 80078 08112 000 000	CW	(AB/RL)
M12	20-8	2210	9052	Sat	992 992 992 1 3254 124 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	20-8	2230	8062	Sat	992 992 992 1 3254 124 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	20-8	2250	6952	Sat	992 992 992 1 3254 124 3254 124 11087 50766 95012 ... 69974 34698 22064 000 000	CW	(RL)
M12	21-8	1600	14681	Sun	683 683 683 000	CW	(AB/MPJ)
M12	21-8	1620	13881	Sun	683 683 683 000	CW	(AB/MPJ)
M12	22-8	1230	12205	Mon	973 973 973 1 4229 55 4229 55 90587 87122 22314 ... 28843 90012 34297 000 000	CW	(AB)
M12	22-8	1250	13559	Mon	973 973 973 1 4229 55 4229 55 90587 87122 22314 ... 28843 90012 34297 000 000	CW	(AB)
M12	22-8	1310	14728	Mon	973 973 973 1 4229 55 4229 55 90587 87122 22314 ... 28843 90012 34297 000 000	CW	(AB)
M12	22-8	1600	16251	Mon	294 294 294 000	CW	(AB/MPJ)
M12	22-8	1620	14951	Mon	294 294 294 000	CW	(AB/MPJ)
M12	22-8	2000	12148	Mon	374 374 374 000	CW	(AB/RL)
M12	22-8	2020	10648	Mon	374 374 374 000	CW	(AB/RL)
M12	22-8	2110	12214	Mon	209 209 209 000	CW	(AB/RL)
M12	22-8	2130	11014	Mon	209 209 209 000	CW	(AB/RL)
M12	23-8	0030	6784	Tue	713 713 713 000	CW	(AB)
M12	23-8	0050	8184	Tue	713 713 713 000	CW	(AB)
M12	23-8	0700	11148	Tue	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	23-8	0720	10648	Tue	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	23-8	0740	9148	Tue	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	23-8	0800	13391	Tue	387 387 387 000	CW	(AB)
M12	23-8	0820	13891	Tue	387 387 387 000	CW	(AB)
M12	24-8	1600	14681	Wed	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	24-8	1620	13881	Wed	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	24-8	1640	13381	Wed	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	24-8	1900	15931	Wed	985 985 985 000	CW	(AB/RL)
M12	24-8	1920	14831	Wed	985 985 985 000	CW	(AB/RL)
M12	24-8	2210	9052	Wed	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	24-8	2230	8062	Wed	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	24-8	2250	6952	Wed	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	25-8	0700	11148	Thu	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	25-8	0720	10648	Thu	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	25-8	0740	9148	Thu	161 161 161 1 146 128 146 128 89349 79086 74247 ... 56784 92570 54745 000 000	CW	(AB-J)
M12	25-8	1110	13386	Thu	725 725 725 1 2941 97 2941 97 02480 35376 04325 ... 00157 47933 09099 000 000	CW	(AB)
M12	25-8	1130	12189	Thu	725 725 725 1 2941 97 2941 97 02480 35376 04325 ... 00157 47933 09099 000 000	CW	(AB)
M12	25-8	1150	11491	Thu	725 725 725 1 2941 97 2941 97 02480 35376 04325 ... 00157 47933 09099 000 000	CW	(AB)
M12	25-8	1600	16251	Thu	294 294 294 000	CW	(AB/MPJ)

M12	25-8	1620	14951	Thu	294 294 294 000	CW	(AB/MPJ)
M12	25-8	2000	12148	Thu	374 374 374 000	CW	(AB/RL)
M12	25-8	2020	10648	Thu	374 374 374 000	CW	(AB/RL)
M12	25-8	2110	12214	Thu	209 209 209 000	CW	(AB/RL)
M12	25-8	2130	11014	Thu	209 209 209 000	CW	(AB/RL)
M12	26-8	0030	6784	Fri	713 713 713 000	CW	(AB)
M12	26-8	0050	8184	Fri	713 713 713 000	CW	(AB)
M12	26-8	0800	13391	Fri	387 387 387 000	CW	(AB)
M12	26-8	0820	13891	Fri	387 387 387 000	CW	(AB)
M12	26-8	1900	15931	Fri	985 985 985 000	CW	(AB/RL)
M12	26-8	1920	14831	Fri	985 985 985 000	CW	(AB/RL)
M12	26-8	2100	10314	Fri	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	26-8	2120	9114	Fri	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	26-8	2140	8014	Fri	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	27-8	1800	11435	Sat	938 938 938 1 3283 78 3283 78 36656 49269 69391 ... 78084 05816 21673 000 000	CW	(AB)
M12	27-8	1820	10598	Sat	938 938 938 1 3283 78 3283 78 36656 49269 69391 ... 78084 05816 21673 000 000	CW	(AB)
M12	27-8	1840	9327	Sat	938 938 938 1 3283 78 3283 78 36656 49269 69391 ... 78084 05816 21673 000 000	CW	(AB)
M12	27-8	2100	10314	Sat	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB)
M12	27-8	2120	9114	Sat	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB)
M12	27-8	2140	8014	Sat	310 310 310 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB)
M12	27-8	2210	9052	Sat	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	27-8	2230	8062	Sat	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	27-8	2250	6952	Sat	992 992 992 1 459 94 459 94 13507 44769 67819 ... 07504 41725 09154 000 000	CW	(AB/RL)
M12	28-8	1600	14681	Sun	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	28-8	1620	13881	Sun	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	28-8	1640	13381	Sun	683 683 683 1 878 56 878 56 13803 59934 12760 ... 20029 57751 48486 000 000	CW	(AB/MPJ)
M12	29-8	1230	12205	Mon	973 973 973 1 3581 60 3581 60 62223 77029 24286 ... 74657 18115 78306 000 000	CW	(AB)
M12	29-8	1250	13559	Mon	973 973 973 1 3581 60 3581 60 62223 77029 24286 ... 74657 18115 78306 000 000	CW	(AB)
M12	29-8	1310	14728	Mon	973 973 973 1 3581 60 3581 60 62223 77029 24286 ... 74657 18115 78306 000 000	CW	(AB)
M12	29-8	1600	16251	Mon	294 294 294 000	CW	(AB/MPJ)
M12	29-8	1620	14951	Mon	294 294 294 000	CW	(AB/MPJ)
M12	29-8	2000	12148	Mon	374 374 374 000	CW	(AB)
M12	29-8	2020	10648	Mon	374 374 374 000	CW	(AB)
M12	29-8	2110	12214	Mon	209 209 209 000	CW	(AB)
M12	29-8	2130	11014	Mon	209 209 209 000	CW	(AB)
M12	30-8	0030	6784	Tue	713 713 713 1 4382 94 4382 94 78549 09069 59290 ... 19520 63107 86360 000 000	CW	(AB)
M12	30-8	0050	8184	Tue	713 713 713 1 4382 94 4382 94 78549 09069 59290 ... 19520 63107 86360 000 000	CW	(AB)
M12	30-8	0110	9342	Tue	713 713 713 1 4382 94 4382 94 78549 09069 59290 ... 19520 63107 86360 000 000	CW	(AB)
M12	30-8	0700	11148	Tue	161 161 161 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J)
M12	30-8	0720	10648	Tue	161 161 161 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J)
M12	30-8	0740	9148	Tue	161 161 161 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J)
M12	30-8	0800	13391	Tue	387 387 387 000	CW	(AB)

M12	30-8	0820	13891	Tue	387 387 387 000	CW	(AB)
M12	31-8	1600	14681	Wed	683 683 683 000	CW	(AB-RUS/MPJ)
M12	31-8	1620	13881	Wed	683 683 683 000	CW	(AB/MPJ)
M12	31-8	1900	15931	Wed	985 985 985 000	CW	(AB)
M12	31-8	1920	14831	Wed	985 985 985 000	CW	(AB)
M12	31-8	2210	9052	Wed	992 992 992 000	CW	(AB)
M12	31-8	2230	8062	Wed	992 992 992 000	CW	(AB)
M14	3-8	0500	12211	Wed	Carrier only. Off at 0515z	CW	(AB-J)
M14	3-8	0520	10243	Wed	Carrier only. Still on at 0540z when I stopped monitoring	CW	(AB-J)
M14	4-8	0500	12211	Thu	952 408 408 52 52 = = 97400 63514 71132 ... 15656 57083 36403 = = 408 408 52 52 (no closing nulls)	CW	(AB-J)
M14	4-8	0520	10243	Thu	Briefly 952 in inverted morse, then off. Back at 0525z with inverted morse. Off at 0533z	CW	(AB-J)
M14	5-8	0500	12211	Fri	952 163 163 52 52 = = 32277 16982 08691 ... 86761 51596 24284 038 off	CW	(AB-J)
M14	5-8	0520	10243	Fri	no transmission	CW	(AB-J)
M14	8-8	0500	12211	Mon	952 407 407 54 54 = = 32277 16982 08691 ... 92575 01539 19483 = = 407 407 54 54 00000 Wrong group count	CW	(AB)
M14	8-8	0520	10243	Mon	952 407 407 52 52 = = 32277 16982 08691 ... 92575 01539 19483 = = 407 407 52 52 00000 Correct group count	CW	(AB)
M14	10-8	0500	12211	Wed	952 714 714 53 53 = = 06207 96854 37097 ... 14022 42950 72892 = = 714 714 53 53 (no closing nulls) Wrong group count, should be 52	CW	(AB-J)
M14	10-8	0520	10243	Wed	Carrier only. Off at 0525z	CW	(AB-J)
M14	11-8	0500	12211	Thu	952 860 860 54 54 = = 99783 90627 08411 ... 37057 22736 44075 = = 860 860 54 54 00000 Wrong group count. Should be 53	CW	(AB-J)
M14	11-8	0520	10243	Thu	952 (R4) off. Several restarts. Only 942 was senty. Off at 0533z with 00000	CW	(AB-J)
M14	12-8	0500	12211	Fri	952 173 173 52 52 = = 23883 54861 09322 ... 04242 70241 82688 = = 173 173 52 52 (no closing nulls) Wrong group count	CW	(AB-J)
M14	12-8	0520	10243	Fri	952 (R) three restarts. Off at 0525z	CW	(AB-J)
M14	15-8	0500	12211	Mon	952 460 460 52 52 = = 31731 75799 30726 ... 33368 28755 66652 = = 460 460 52 52 (no closing nulls)	CW	(AB)
M14	15-8	0520	10243	Mon	No transmission	CW	(AB)
M14	16-8	0500	12211	Tue	952 387 387 51 51 = = 31731 75799 30726 ... 84790 33368 28755 = = 387 387 51 51 (no closing nulls)	CW	(AB-J)
M14	16-8	0520	10243	Tue	No transmission. Carrier only	CW	(AB-J)
M14	17-8	0500	12211	Wed	952 146 146 54 54 = = 40440 70215 35962 ... 91079 38252 91684 = 146 146 54 54 00000 Wrong group count	CW	(AB-J)
M14	17-8	0520	10243	Wed	952 146 146 54 54 = = 40440 70215 35962 ... 91079 38252 91684 = 146 146 54 54 00000 Wrong group count	CW	(AB-J)
M14	18-8	0500	12211	Thu	carrier till 0710z then 03267 79580 86214 ... 09176 63826 93852 = = 807 807 54 54 (no closing nulls)	CW	(AB-J)
M14	18-8	0520	10243	Thu	952 in inverted morse till 0522z then off	CW	(AB-J)
M14	19-8	0500	12211	Fri	952 134 134 51 51 = = 38890 98386 08159 ... 27455 22588 25484 = = 134 134 51 51 (no closing nulls)	CW	(AB-J)
M14	19-8	0520	10243	Fri	No transmission	CW	(AB-J)
M14	22-8	0500	12211	Mon	952 670 670 52 52 = = 63755 95020 47944 ... 20118 55649 33971 = = 670 670 52 52 (no closing nulls)	CW	(AB)
M14	22-8	0520	10243	Mon	No transmission	CW	(AB)
M14	23-8	0500	12211	Tue	952 381 381 52 52 = = 87515 07194 61553 ... 79250 69732 22790 = = 381 381 52 52 (no closing nulls)	CW	(AB-J)
M14	23-8	0520	10243	Tue	No transmission	CW	(AB-J)

M14	24-8	0500	12211	Wed	952 (R) Restart at 0904z. Off at 0910z	CW	(AB-J)
M14	24-8	0520	10243	Wed	952 (R) Restart at 0524z. Off at 0524z. Restart at 0527z. Off at 0531z	CW	(AB-J)
M14	25-8	0500	12211	Thu	952 830 830 67 67 = = 43624 26637 67483 ... 02957 49192 76924 = = 830 830 67 67 (no closing nulls)	CW	(AB-J)
M14	25-8	0520	10243	Thu	No transmission	CW	(AB-J)
M14	26-8	0500	12211	Fri	952 741 741 54 54 = = 79346 10031 29781 ... 23414 96666 04011 = = 741 741 54 54 (no closing nulls)	CW	(AB-J)
M14	26-8	0520	10243	Fri	Carrier at 0523z. Off at 0724z	CW	(AB-J)
M14	29-8	0500	12211	Mon	952 608 608 54 54 = = 09830 69999 54164 ... 58603 65712 88781 = = 608 608 54 54 00000	CW	(AB)
M14	29-8	0520	10243	Mon	952 in inverted morse. Normal at 0521z. 952 608 608 55 55 = = 09830 69999 54164 ... 58603 65712 88781 = = 608 608 55 55 00000 wrong group count	CW	(AB)
M14	30-8	0500	12211	Tue	952 314 314 55 55 = = 46670 24170 84293 ... 13261 76564 48057 = = 314 314 55 55 (no closing nulls)	CW	(AB-J)
M14	30-8	0520	10243	Tue	No transmission	CW	(AB-J)
M14	31-8	0500	12211	Wed	952 678 678 53 53 = = 46670 24170 84293 ... 20668 30533 92040 = = 678 678 53 53 (no closing nulls)	CW	(AB-J)
					Wrong group count		
M14	31-8	0520	10243	Wed	No transmission	CW	(AB-J)
M32	17-8	0425	14411	Wed	RDL RDL RDL 69779 98905 69779 98905 69779 98905 K	FSK CW	(AB)
M32	17-8	0435	14411	Wed	RDL RDL RDL 73651 72069 73651 72069 73651 72069 K	FSK CW	(AB)
M32	17-8	0906	14410	Wed	RDL RDL RDL 52402 07166 52402 07166 52402 07166 K	CW	(AB)
M32	17-8	1407	17460	Wed	RDL RDL RDL 16554 64841 16554 64841 16554 64841 K	CW	(AB)
M32a	17-8	1215	6494.5	Wed	RMTO: Aleksandr Prolov/SB-737 wkg RMP: Navy Kaliningrad. QTC 831 15 17 1500 831=SML FOR RJH82 RCD88 = FM13 coded weather. QSX 3325.5//8627 kHz	CW	(Max)
M32b	12-8	1030	14556	Fri	RCRE DE RIW K. RIW QYT4 SK K. RIW RK. RCRE DE RIW K. RIW QSU 1 QWH 8788 QSX 8270 K. RIW RK	CW	(AB)
M32c	4-8	1230	8895	Thu	Russian Air Force: W marker (R2) K	CW	(AB)
M32c	4-8	1300	8895	Thu	Russian Air Force: W marker (R2) K	CW	(AB)
M32c	4-8	1313	8895	Thu	Russian Air Force: YWNE DE KFE4 K. QRV K. KFE4 142 142 727 293 541 K (QSX 9128 kHz)	CW	(AB)
M32c	4-8	1339	9128	Thu	Russian Air Force: KFE4 DE YWNE QSA? K. QTC K = 640 461 274 105 448 K (QSX 8895 kHz)	CW	(AB)
M32c	9-8	1300	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1320	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1340	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1400	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1420	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1440	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1500	8895	Tue	Russian Air Force W-marker mixing with a G-marker (R2m)	CW	(AB)
M32c	9-8	1520	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1540	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1600	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1600	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1620	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1640	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	9-8	1700	8895	Tue	Russian Air Force G-marker (R2m)	CW	(AB)
M32c	10-8	1308	8895	Wed	Russian Air Force: DK5Q DK5Q DK5Q DE TV6P TV6P K TV6P QRV K TV6P = 806 551 461 791 394 684 C? K YWAE DE TV6P QSA2 K	CW	(AB)
M42	2-8	0758	12151	Tue	Russian diplo/intel.	Serdolik-v2	(AB)

M42	5-8	0720	14645	Fri	Russian net	OFDM-93	(EW)
M42	5-8	1017	16303	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	5-8	1034	18332	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	5-8	1118	17466	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	9-8	0755	18241	Tue	Russian domestic net i.p.	OFDM-112	(AB)
M42	9-8	1025	14971	Tue	Russian diplo/intel.	Serdolik-v2	(AB)
M42	9-8	1315	14878	Tue	Russian embassy Havana. Moved to 14930 kHz	OFDM-45	(DW-MD)
M42	9-8	1317	14930	Tue	Russian embassy Havana. Came from 14878 kHz	OFDM-45	(DW-MD)
M42	9-8	1538	13395	Tue	Russian domestic net i.p.	OFDM-112	(AB)
M42	10-8	0748	12145	Wed	Russian domestic net i.p.	OFDM-112	(AB)
M42	10-8	1011	18331	Wed	Russian diplo/intel.	Serdolik-v2	(AB)
M42	10-8	1102	17477	Wed	Russian diplo/intel.	Serdolik-v2	(AB)
M42	10-8	1219	17466	Wed	Russian diplo/intel.	MFSK-66	(AB)
M42	11-8	0913	17466	Thu	Russian diplo/intel.	Serdolik-v2	(AB)
M42	11-8	0915	14424	Thu	Russian net	OFDM-112	(AB)
M42	11-8	1325	17466	Thu	Russian diplo/intel.	Serdolik-v2	(AB)
M42	12-8	0615	14643	Fri	Russian net.	OFDM-112	(AB)
M42	12-8	0630	14643	Fri	Russian net.	OFDM-112	(AB)
M42	15-8	0900	18762	Mon	Russian diplo/intel.	OFDM-45	(AB)
M42	15-8	0912	19846	Mon	Russian diplo/intel.	OFDM-45	(AB-RUS)
M42	16-8	1032	10376	Tue	Russian diplo/intel.	MFSK-66	(AB)
M42	17-8	1106	17441	Wed	Russian diplo/intel.	Serdolik-v2	(AB)
M42	17-8	1233	17433	Wed	Russian diplo/intel.	Serdolik-v2	(AB)
M42	18-8	0922	18195	Thu	Russian net	OFDM-112	(AB)
M42	18-8	1003	18195	Thu	Russian diplo/intel	MFSK-66	(AB)
M42	18-8	1310	14545	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	18-8	1318	14820	Thu	Russian diplo/intel.	OFDM-45	(AB)
M42	19-8	0835	14828	Fri	Russian diplo/intel.	Serdolic-v2	(PY)
M42	19-8	1014	16304	Fri	Russian diplo/intel.	Serdolic-v2	(RO)
M42	19-8	1016	16123	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	19-8	1016	18324	Fri	Russian diplo/intel.	Serdolic-v2	(RO)
M42	19-8	1018	16304	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	19-8	1018	18324	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	19-8	1027	16304	Fri	Russian diplo/intel.	Serdolik-v2	(AB)
M42	22-8	0832	19124	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	22-8	1238	14683	Mon	Russian diplo/intel.	MFSK-66	(Moon)
M42	24-8	0724	17440	Wed	Russian diplo/intel.	MFSK-66	(AB)
M42	24-8	1035	18038	Wed	Russian diplo/intel.	OFDM-45	(AB)
M42	25-8	0727	14455	Thu	Russian diplo/intel.	MFSK-66	(RO)
M42	25-8	0733	14455	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	26-8	0835	14500	Fri	Russian diplo/intel.	MFSK-66	(AB)
M42	26-8	1006	17431	Fri	Russian diplo/intel.	MFSK-66	(AB)

M42	28-8	1059	12096	Sun	Russian diplo/intel	Serdolik-v2	(RO)
M42	30-8	1002	12164	Tue	Russian domestic net i.p.	OFDM-93	(AB)
M42	30-8	1005	12087	Tue	Russian domestic net	OFDM-93	(AB)
M42b	14-8	0749	14905	Sun	11100 80104 37425 14021 05009 and 11100 80104 58436 14022 05009 CFM NIL K CFM NIL K SK SK	FSK 100/500	(Anon)
M51a	6-8	0700	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6-8	0700	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	6-8	0820	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6-8	0820	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	6-8	0630	3881	Sat	Non-stop 5-character groups composed of M51a messages	CW	(AB)
M51b	6-8	0630	6825	Sat	Non-stop 5-character groups composed of M51a messages	CW	(AB)
M51b	6-8	0744	3881	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6-8	0744	6825	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	6-8	1058	3881	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6-8	1058	6825	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	2-8	1128	8283	Tue	V QYE2 (x3) DE 9WVW (x2)	CW	(JPL)
M89	2-8	1129	8182	Tue	V QYE2 (x3) DE 9WVW (x2)	CW	(JPL)
M89	2-8	1130	7620	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	2-8	1130	8350	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	2-8	1200	3596	Tue	V QYE2 (x3) DE 9WVW (x2) //4888	CW	(JPL)
M89	2-8	1200	4888	Tue	V QYE2 (x3) DE 9WVW (x2) //3596	CW	(JPL)
M89	2-8	1202	4034	Tue	V MJO5 (x3) DE LK9M (x2)	CW	(JPL)
M89	8-8	1707	4637	Mon	i.p. RMKS .093 TO 478. = 5UA5 7TT7 .U7N DT46 ...	CW	(JPL)
M89	8-8	1713	5167	Mon	R QSL 0113 K R U 7G GA K R NR 066 CK 81 36 0809 0113 RMKS 0317 TO 0536 = 3TU4 576T 546U AN64 354T NU5T6 D3A7 ND4T ...	CW	(JPL)
M89	8-8	1724	4034	Mon	V JM7D (x3) DE CD2D (x2)	CW	(JPL)
M95	2-8	1137	4364	Tue	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY	CW	(JPL)
M95	2-8	1148	4243	Tue	VV HR MSG TO UR PSE CY NR 020 CK 17 35 0802 1526 = //9054	CW	(JPL)
M95	2-8	1148	9054	Tue	VV HR MSG TO UR PSE CY NR 020 CK 17 35 0802 1526 = //4243	CW	(JPL)
M95	2-8	1158	5651	Tue	V XP5B (x3) DE S2DJ (x2) //12039	CW	(JPL)
M95	2-8	1158	12039	Tue	V XP5B (x3) DE S2DJ (x2) //5651	CW	(JPL)
M95	2-8	1743	4178	Tue	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	2-8	1743	7517	Tue	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	3-8	1712	7517	Wed	V XP5B XP5B XP5B DE S2DJ S2DJ	CW	(AB)
M95	8-8	1729	4178	Mon	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	8-8	1729	7517	Mon	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
MX	11-8	0518	16332.4	Thu	Beacon M, Magadan	CW	(AB-J)
MX	22-8	1405	7508.8	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	22-8	1405	7508.9	Mon	Beacon S, Sevoromorsk	CW	(AB)

MX	22-8	1407	10871.7	Mon	Beacon D, Sevastopol	CW	(AB)
MX	22-8	1407	10871.9	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	22-8	1408	16331.8	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	22-8	1411	13527.8	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	22-8	1411	13527.9	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	22-8	1411	13528.1	Mon	Beacon A, Astrakhan	CW	(AB)
MX	22-8	1413	8494.8	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	25-8	0558	16332.4	Thu	Beacon M, Magadan	CW	(AB)
P03	1-8	0135	7840	Mon	Polish intel.	PSK	(AB)
P03	1-8	0140	7840	Mon	Polish intel.	PSK	(AB)
P03	1-8	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	1-8	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	2-8	0135	7840	Tue	Polish intel.	PSK	(AB)
P03	2-8	0140	7840	Tue	Polish intel.	PSK	(AB)
P03	3-8	0135	7840	Wed	Polish intel.	PSK	(AB)
P03	3-8	0140	7840	Wed	Polish intel.	PSK	(AB)
P03	3-8	0630	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	3-8	0635	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	4-8	0135	7840	Thu	Polish intel.	PSK	(AB)
P03	4-8	0140	7840	Thu	Polish intel.	PSK	(AB)
P03	5-8	0135	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	5-8	0140	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	6-8	0135	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	6-8	0140	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	7-8	0135	7840	Sun	Polish intel.	PSK	(AB)
P03	7-8	0140	7840	Sun	Polish intel.	PSK	(AB)
P03	8-8	0135	7840	Mon	Polish intel.	PSK	(AB)
P03	8-8	0140	7840	Mon	Polish intel.	PSK	(AB)
P03	8-8	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	8-8	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	9-8	0135	7840	Tue	Polish intel.	PSK	(AB)
P03	9-8	0140	7840	Tue	Polish intel.	PSK	(AB)
P03	10-8	0135	7840	Wed	Polish intel.	PSK	(AB)
P03	10-8	0140	7840	Wed	Polish intel.	PSK	(AB)
P03	10-8	0630	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	10-8	0635	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	11-8	0135	7840	Thu	Polish intel.	PSK	(AB)
P03	11-8	0140	7840	Thu	Polish intel.	PSK	(AB)
P03	12-8	0135	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	12-8	0140	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	13-8	0135	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	13-8	0140	7840	Sat	Polish intel.	PSK	(AB-POL)

P03	14-8	0135	7840	Sun	Polish intel.	PSK	(AB)
P03	14-8	0140	7840	Sun	Polish intel.	PSK	(AB)
P03	15-8	0135	7840	Mon	Polish intel.	PSK	(AB)
P03	15-8	0140	7840	Mon	Polish intel.	PSK	(AB)
P03	15-8	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	15-8	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	16-8	0135	7840	Tue	Polish intel.	PSK	(AB)
P03	16-8	0140	7840	Tue	Polish intel.	PSK	(AB)
P03	17-8	0135	7840	Wed	Polish intel.	PSK	(AB)
P03	17-8	0140	7840	Wed	Polish intel.	PSK	(AB)
P03	17-8	0630	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	17-8	0635	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	18-8	0135	7840	Thu	Polish intel.	PSK	(AB)
P03	18-8	0140	7840	Thu	Polish intel.	PSK	(AB)
P03	19-8	0135	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	19-8	0140	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	20-8	0135	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	20-8	0140	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	21-8	0135	7840	Sun	Polish intel.	PSK	(AB)
P03	21-8	0140	7840	Sun	Polish intel.	PSK	(AB)
P03	22-8	0135	7840	Mon	Polish intel.	PSK	(AB)
P03	22-8	0140	7840	Mon	Polish intel.	PSK	(AB)
P03	22-8	0630	17535	Mon	Polish intel.	PSK	(AB-POL)
P03	22-8	0635	17535	Mon	Polish intel.	PSK	(AB-POL)
P03	23-8	0135	7840	Tue	Polish intel.	PSK	(AB)
P03	23-8	0140	7840	Tue	Polish intel.	PSK	(AB)
P03	24-8	0135	7840	Wed	Polish intel.	PSK	(AB-POL)
P03	24-8	0140	7840	Wed	Polish intel.	PSK	(AB-POL)
P03	24-8	0630	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	24-8	0635	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	25-8	0135	7840	Thu	Polish intel.	PSK	(AB-POL)
P03	25-8	0140	7840	Thu	Polish intel.	PSK	(AB-POL)
P03	26-8	0135	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	26-8	0140	7840	Fri	Polish intel.	PSK	(AB-POL)
P03	27-8	0135	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	27-8	0140	7840	Sat	Polish intel.	PSK	(AB-POL)
P03	28-8	0135	7840	Sun	Polish intel.	PSK	(AB)
P03	28-8	0140	7840	Sun	Polish intel.	PSK	(AB)
P03	29-8	0135	7840	Mon	Polish intel.	PSK	(AB)
P03	29-8	0140	7840	Mon	Polish intel.	PSK	(AB)
P03	29-8	0630	17535	Mon	Polish intel.	PSK	(AB-POL)
P03	29-8	0635	17535	Mon	Polish intel.	PSK	(AB-POL)

P03	30-8	0135	7840	Tue	Polish intel.	PSK	(AB)
P03	30-8	0140	7840	Tue	Polish intel.	PSK	(AB)
P03	31-8	0135	7840	Wed	Polish intel.	PSK	(AB-POL)
P03	31-8	0140	7840	Wed	Polish intel.	PSK	(AB-POL)
P03	31-8	0630	17535	Wed	Polish intel.	PSK	(AB-POL)
P03	31-8	0635	17535	Wed	Polish intel.	PSK	(AB-POL)
P03e	2-8	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	2-8	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5-8	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-8	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	7-8	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	7-8	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	7-8	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	7-8	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	9-8	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	9-8	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	12-8	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	12-8	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14-8	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14-8	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14-8	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14-8	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	16-8	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	16-8	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	19-8	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	19-8	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	21-8	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	21-8	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	23-8	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	23-8	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	26-8	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	26-8	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	28-8	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	28-8	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-8	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-8	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03f	1-8	0530	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	1-8	0535	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	3-8	0530	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	3-8	0535	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	10-8	0530	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	10-8	0535	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)

P03f	15-8	0530	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	15-8	0535	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	17-8	0530	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	17-8	0535	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	22-8	0530	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	22-8	0535	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	24-8	0530	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	24-8	0535	13537	Wed	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	29-8	0530	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	29-8	0535	13537	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03j	3-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	3-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	5-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	10-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	12-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	17-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	19-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	19-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	24-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	26-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-8	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	1-8	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	2-8	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	2-8	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-8	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-8	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-8	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-8	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-8	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-8	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-8	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-8	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-8	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-8	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	6-8	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-8	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-8	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-8	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-8	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-8	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-8	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-8	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-8	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-8	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	8-8	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	8-8	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-8	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-8	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-8	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-8	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-8	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-8	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-8	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-8	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-8	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-8	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-8	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-8	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-8	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-8	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-8	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-8	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-8	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	14-8	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-8	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-8	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-8	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-8	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-8	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-8	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-8	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-8	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-8	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-8	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-8	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-8	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-8	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-8	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-8	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-8	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-8	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-8	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-8	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-8	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-8	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-8	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-8	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-8	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-8	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-8	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-8	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-8	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-8	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-8	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-8	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	25-8	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-8	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-8	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-8	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-8	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-8	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-8	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-8	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-8	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-8	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-8	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-8	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-8	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-8	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-8	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03l	1-8	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	1-8	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	3-8	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	3-8	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	4-8	1200	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-8	1205	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-8	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-8	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-8	1200	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-8	1205	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	6-8	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	6-8	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	7-8	1200	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	7-8	1205	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	7-8	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	7-8	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	8-8	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	8-8	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	10-8	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	10-8	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	11-8	1200	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	11-8	1205	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	12-8	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-8	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-8	1200	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	13-8	1205	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	13-8	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-8	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-8	1200	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	14-8	1205	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	14-8	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	14-8	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	15-8	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	15-8	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	17-8	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	17-8	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	18-8	1200	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-8	1205	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-8	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-8	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-8	1200	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-8	1205	5409	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-8	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-8	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	21-8	1200	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	21-8	1205	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	21-8	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-8	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-8	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	22-8	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	24-8	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	24-8	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)

P03I	25-8	1200	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-8	1205	5409	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-8	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	26-8	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	27-8	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-8	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-8	1200	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ-HOL)
P03I	28-8	1205	5409	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ-HOL)
P03I	28-8	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-POL)
P03I	28-8	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-POL)
P03I	29-8	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ-HOL)
P03I	29-8	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ-HOL)
P03I	31-8	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-8	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
Q26	2-8	1131	4364	Tue	XSV85: messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	2-8	1145	4243	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	2-8	1145	9054	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
S06	4-8	0830	16327	Thu	842 569 43 68746 62745 69853 ... 40500 77857 65995 569 43 00000	USB	(PY/HFD-PHL)
S06	4-8	0930	13875	Thu	842 569 43 68746 62745 69853 ... 40500 77857 65995 569 43 00000 (last known S06 842 transmis- sion)	USB	(PY/HFD-PHL)
S06	4-8	0930	13875	Thu	842 via KiwiSDR PHL	USB	(HFD-PHL)
S06	5-8	1900	9912	Fri	319 319 319 00000	USB	(AB/HFD)
S06	5-8	2000	7916	Fri	319 319 319 00000	USB	(AB/HFD)
S06	19-8	1900	9912	Fri	319 319 319 00000	USB	(AB)
S06	19-8	2000	7916	Fri	319 319 319 00000	USB	(AB)
S06	20-8	1301	11487	Sat	i.p. 534 (R) 94417 11918 28974 ... 65994 60893 31982 761 32 00000	USB	(Subilo)
S06c	22-8	1045	12208	Mon	11190 (R)	USB	(Anon)
S11a	1-8	0510	13537	Mon	652/00	USB	(AB-POL)
S11a	1-8	0700	9339	Mon	479/00	USB	(AB)
S11a	1-8	0915	6814	Mon	483/35 Vnimanaye 29532 61227 87897 ... 09972 66868 73166 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	2-8	0445	9968	Tue	799/00	USB	(AB)
S11a	2-8	0500	15690	Tue	384/00	USB	(AB-POL)
S11a	2-8	1400	7772	Tue	427/00	USB	(AB/MPJ)
S11a	3-8	0510	13537	Wed	659/00	USB	(AB-POL)
S11a	3-8	1850	12457	Wed	282/32 Vnimanaye 73581 82090 29865 ... 93052 23312 36255 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	4-8	0445	9968	Thu	799/00	USB	(AB)
S11a	4-8	0500	15690	Thu	Unreadable null message	USB	(AB-POL)
S11a	4-8	0700	9339	Thu	471/00	USB	(AB)
S11a	5-8	0915	6814	Fri	483/35 Vnimanaye 29532 61227 87897 ... 09972 66868 73166 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5-8	1400	7772	Fri	421/00	USB	(AB/MPJ)
S11a	6-8	0830	5149	Sat	373/00	USB	(AB-POL)
S11a	6-8	1850	12457	Sat	282/32 Vnimanaye 73581 82090 29865 ... 93052 23312 36255 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)

S11a	7-8	0830	5149	Sun	376/00	USB	(AB)
S11a	8-8	0510	13537	Mon	655/00	USB	(AB-POL)
S11a	8-8	0700	9339	Mon	471/00	USB	(AB)
S11a	8-8	0915	6814	Mon	484/00	USB	(AB)
S11a	9-8	0445	9968	Tue	794/36 Vnmaniye 78858 93404 69307 ... 94788 87443 62327 Vnmaniye (message repeated) Out	USB	(AB)
S11a	9-8	0500	15690	Tue	384/00	USB	(AB-POL)
S11a	9-8	1400	7772	Tue	421/00	USB	(AB/MPJ)
S11a	10-8	0510	13537	Wed	651/00	USB	(AB-POL/HFD)
S11a	10-8	1850	12457	Wed	284/00	USB	(AB)
S11a	11-8	0445	9968	Thu	794/36 Vnmaniye 78858 93404 69307 ... 94788 87443 62327 Vnmaniye (message repeated) Out	USB	(AB-POL)
S11a	11-8	0500	15690	Thu	383/00	USB	(AB-POL)
S11a	11-8	0700	9339	Thu	476/00	USB	(AB)
S11a	12-8	0915	6814	Fri	487/00	USB	(AB)
S11a	12-8	1400	7772	Fri	427/00	USB	(AB)
S11a	13-8	0830	5149	Sat	370/35 Vnmaniye 84084 21847 88883 ... 05557 70689 10088 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	13-8	1850	12457	Sat	282/00	USB	(AB)
S11a	14-8	0830	5149	Sun	370/35 Vnmaniye 84084 21847 88883 ... 05557 70689 10088 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	15-8	0510	13537	Mon	651/38 Vnmaniye 48907 52991 14692 ... 63914 23827 29450 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	15-8	0700	9339	Mon	470/32 Vnmaniye 83966 93780 47896 ... 38311 92452 28271 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	15-8	0915	6814	Mon	486/00	USB	(AB-POL)
S11a	16-8	0445	9968	Tue	Raped by radar. Unreadable null message	USB	(AB)
S11a	16-8	0500	15690	Tue	380/40 Vnmaniye 10883 07832 47991 ... 27107 79436 83427 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	16-8	1400	7772	Tue	425/36 Vnmaniye 86693 50880 87567 ... 08598 08023 31557 Vnmaniye (message repeated) Konets	USB	(AB/MPJ)
S11a	17-8	0510	13537	Wed	651/38 Vnmaniye 48907 52991 14692 ... 63914 23827 29450 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	17-8	1850	12457	Wed	288/00	USB	(AB)
S11a	18-8	0445	9968	Thu	797/00	USB	(AB-POL)
S11a	18-8	0500	15690	Thu	380/40 off after 2 mins	USB	(AB-POL)
S11a	18-8	0700	9339	Thu	470/32 Vnmaniye 83966 93780 47896 ... 38311 92452 28271 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	19-8	0915	6814	Fri	481/00	USB	(AB)
S11a	19-8	1400	7772	Fri	425/36 Vnmaniye 86693 50880 87567 ... 08598 08023 31557 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	20-8	0830	5149	Sat	376/00	USB	(AB)
S11a	20-8	1850	12457	Sat	288/00	USB	(AB)
S11a	21-8	0830	5149	Sun	373/00	USB	(AB)
S11a	22-8	0510	13537	Mon	655/00	USB	(AB-POL)
S11a	22-8	0915	6814	Mon	480/00	USB	(AB-POL)
S11a	23-8	0445	9968	Tue	796/00	USB	(AB)
S11a	23-8	1400	7772	Tue	424/00	USB	(AB/MPJ)
S11a	24-8	0510	13537	Wed	654/00	USB	(AB-POL)
S11a	24-8	1850	12457	Wed	288/00	USB	(AB)
S11a	25-8	0445	9968	Thu	793/00	USB	(AB-POL)
S11a	25-8	0500	15690	Thu	383/00	USB	(AB-POL)
S11a	25-8	0700	9339	Thu	476/00	USB	(AB)

S11a	26-8	0915	6814	Fri	482/00	USB	(AB)
S11a	26-8	1400	7772	Fri	421/00	USB	(AB/MPJ)
S11a	27-8	0830	5149	Sat	371/00	USB	(AB)
S11a	27-8	1850	12457	Sat	285/00	USB	(AB)
S11a	28-8	0830	5149	Sun	371/00	USB	(AB)
S11a	29-8	0510	13537	Mon	650/00	USB	(AB-POL)
S11a	29-8	0915	6814	Mon	481/00	USB	(AB-POL)
S11a	30-8	0445	9968	Tue	799/00	USB	(AB-POL)
S11a	30-8	0500	15690	Tue	384/00	USB	(AB-POL)
S11a	30-8	1400	7772	Tue	425/00	USB	(AB)
S11a	31-8	1850	12457	Wed	287/00	USB	(AB)
S25	15-8	0812	18697	Mon	66753 (R4) at 0820z followed by 753 753 753 45596 45596 (R4) 11111 11111 00000 00000	USB	(Anon)
UM04	11-8	0700	4735	Thu	VVVVV PROMRÍ = 11 08 = 1000 0640 0680 0790 1230 ... 0800 0590 0630 0730 1070 = AR	CW	(AB-GRC)
UM04	13-8	0700	4735	Sat	VVV VVV PROMRÍ = 13 08 = 1000 0640 0680 0800 1230 ... 0800 0590 0630 0730 1070 = AR	CW	(AB-HNG)
UM04	16-8	0700	4735	Tue	VVV VVV PROMRÍ = 16 08 = 1000 0650 0680 0800 1240 ... 0800 0590 0620 0740 1060 = AR	CW	(AB-GRC)
UM04	18-8	0700	4735	Thu	VVV VVV PROMRÍ = 18 08 = 1000 0650 0690 0810 1230 ... 0800 0600 0630 0740 1170 = AR	CW	(AB-GRC)
UM04	20-8	0701	4735	Sat	VVV VVV PROMRÍ = 20 08 = 1000 0660 0690 0810 1230 ... 0800 0600 0640 0750 1080 = AR	CW	(AB-SVN)
UM04	22-8	0700	4735	Mon	Start unreadable. ... 0810 1230 ... 0800 0600 0630 0750 1080 AR	CW	(AB-AUT)
UM04	23-8	0702	4735	Tue	VVVVV PROMRÍ = 23 08 = 1000 0650 0690 0810 1230 ... 0800 0600 0630 0750 1080 = AR	CW	(AB-SVN)
UM04	25-8	0700	4735	Thu	VVVVV PROMRÍ = 25 08 = (too weak to copy)	CW	(AB-GRC)
UM04	27-8	0701	4735	Sat	VVV VVV PROMRÍ = 27 08 = (too weak to copy)	CW	(AB-SVN)
UM04	29-8	0700	4735	Mon	VVV VVV PROMRÍ = 29 08 = 1000 0640 0670 0790 1220 ... 0800 0580 0620 0730 1060 = AR	CW	(AB-AUT)
UM04	30-8	0702	4735	Tue	VVVVV PROMRÍ = 30 08 = 1000 0630 0670 0790 1220 ... 0800 0580 0610 0730 1060 = AR	CW	(AB-SVN)
V07	7-8	0300	13464	Sun	415 415 415 1 191 116 191 116 86309 58318 30468 ... 21012 44236 61183 000 000	USB	(Dan-J/HFD-USA)
V07	7-8	0320	12164	Sun	415 415 415 1 191 116 191 116 86309 58318 30468 ... 21012 44236 61183 000 000	USB	(HFD-USA)
V07	7-8	0340	11564	Sun	415 415 415 1 191 116 191 116 86309 58318 30468 ... 21012 44236 61183 000 000	USB	(HFD-USA)
V07	14-8	0300	13464	Sun	415 415 415 1 447 140 447 140 91254 29245 35610 ... 12724 16887 87427 000 000	USB	(Dan-J)
V07	21-8	0300	13464	Sun	415 415 415 1 3600 108 6300 108 66503 59642 12673 ... 20099 04100 87477 000 000	USB	(Dan-J)
V13	2-8	1300	7688	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	2-8	1300	11430	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	3-8	1300	7688	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	3-8	1300	11430	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	4-8	1200	9276	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	4-8	1200	13974	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	4-8	1300	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	4-8	1300	11430	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	5-8	1200	9276	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	5-8	1200	13974	Fri	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	5-8	1300	7688	Fri	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	5-8	1300	11430	Fri	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	5-8	1330	7688	Fri	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	5-8	1330	11430	Fri	New Star Broadcasting. Carrier only	USB	(AB-TWN)

V13	6-8	1230	13974	Sat	New Star Broadcasting	USB	(AB-TWN)
V13	6-8	1300	7688	Sat	New Star Broadcasting	USB	(AB-TWN)
V13	6-8	1300	11430	Sat	New Star Broadcasting	USB	(AB-TWN)
V13	8-8	1300	7688	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	8-8	1300	11430	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	10-8	1300	7688	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	10-8	1300	11430	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	12-8	1200	13974	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	13-8	1202	9276	Sat	New Star Broadcasting	USB	(AB-VTN)
V13	13-8	1232	9276	Sat	New Star Broadcasting	USB	(AB-VTN)
V13	17-8	1300	7688	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	17-8	1300	11430	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	18-8	1200	9276	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	18-8	1300	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	18-8	1300	11430	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	19-8	1200	9276	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	19-8	1200	13974	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	22-8	1330	7688	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	22-8	1330	11430	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	23-8	0100	18040	Tue	New Star Broadcasting	USB	(DW-MD)
V13	24-8	1200	9276	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	24-8	1200	13974	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	24-8	1300	7688	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	24-8	1300	11430	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	25-8	1200	9276	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	25-8	1200	13974	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	25-8	1300	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	25-8	1300	11430	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	26-8	1300	7866	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	26-8	1300	11430	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1200	9276	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1200	13974	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1230	9276	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1230	13974	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1300	7688	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	30-8	1300	11430	Tue	New Star Broadcasting	USB	(AB-TWN)
V13	31-8	1230	9276	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	31-8	1230	13974	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	31-8	1300	7688	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	31-8	1300	11430	Wed	New Star Broadcasting	USB	(AB-TWN)
VC01	6-8	1233	4450	Sat	Chinese Air Defense a.k. Chinese Robot	USB	(AB-HK)
VC01	6-8	1233	5017	Sat	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)

VC01	8-8	1302	4450	Mon	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	8-8	1302	5017	Mon	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	11-8	1334	4450	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	11-8	1334	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	12-8	1653	5017	Fri	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)
VC01	13-8	1236	5017	Sat	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)
VC01	17-8	1302	5017	Wed	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)
VC01	18-8	1210	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-HK)
VC01	18-8	1305	4450	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-HK)
VC01	18-8	1305	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-HK)
VC01	19-8	1303	5017	Fri	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)
VC01	22-8	1332	4450	Mon	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	22-8	1333	5017	Mon	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	24-8	1158	4450	Wed	Chinese Air Defense a.k. Chinese Robot	USB	(AB-TWN)
VC01	24-8	1159	5017	Wed	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-TWN)
VC01	24-8	1304	4450	Wed	Chinese Air Defense a.k. Chinese Robot	USB	(AB-TWN)
VC01	24-8	1304	5017	Wed	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-TWN)
VC01	25-8	1204	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-HK)
VC01	25-8	1305	4450	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	25-8	1305	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	30-8	1158	5017	Tue	Chinese Air Defense a.k. Chinese Robot	LSB	(AB-HK)
VC01	30-8	1159	4450	Tue	Chinese Air Defense a.k. Chinese Robot	uSB	(AB-HK)
X06	2-8	0750	12156	Tue	MFA Moscow clg 165423: Russian embassy Brussels end 0758	MFSK-6	(AB)
X06	5-8	0840	16219	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(HFD)
X06	5-8	0859	14570	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(HFD)
X06	8-8	0939	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	9-8	0821	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB)
X06	12-8	0630	15920	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(AB)
X06	15-8	0810	12133	Mon	MFA Moscow clg 263514: unid embassy	MFSK-6	(AB)
X06	17-8	1103	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	18-8	0705	17517	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(AB)
X06	18-8	1327	16277	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	19-8	0845	14425	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(RO)
X06	19-8	1040	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	19-8	1041	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB)
X06	22-8	0811	11537	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	22-8	0820	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	22-8	1238	12177	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(RO)
X06	25-8	0704	14419	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(RO)
X06	28-8	1114	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	28-8	1146	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
XPA1	2-8	0710	10234	Tue	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)

XPA1	2-8	0730	11511	Tue	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)
XPA1	2-8	0750	12117	Tue	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)
XPA1	3-8	1210	13491	Wed	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	3-8	1230	12191	Wed	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	3-8	1250	10691	Wed	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA1	4-8	0710	10234	Thu	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)
XPA1	4-8	0730	11511	Thu	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)
XPA1	4-8	0750	12117	Thu	829 829 829 1 01587 00094 36468 ... 99517 63696 37437	MFSK-20/10Bd	(AB/HFD)
XPA1	5-8	1210	13491	Fri	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ)
XPA1	5-8	1230	12191	Fri	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ)
XPA1	5-8	1250	10691	Fri	416 416 416 1 09253 00130 36189 ... 42776 39064 26336	MFSK-20/10Bd	(AB/MPJ)
XPA1	9-8	0710	10234	Tue	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	9-8	0730	11511	Tue	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	9-8	0750	12117	Tue	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	10-8	1210	13491	Wed	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	10-8	1230	12191	Wed	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	10-8	1250	10691	Wed	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	11-8	0710	10234	Thu	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	11-8	0730	11511	Thu	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	11-8	0750	12117	Thu	829 829 829 1 00754 00094 35949 ... 87844 98780 40132	MFSK-20/10Bd	(AB)
XPA1	12-8	1210	13491	Fri	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	12-8	1230	12191	Fri	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	12-8	1250	10691	Fri	416 416 416 1 00714 00116 44992 ... 97373 78152 43665	MFSK-20/10Bd	(AB)
XPA1	16-8	0710	10234	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	16-8	0730	11511	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	16-8	0750	12117	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	17-8	1210	13491	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	17-8	1230	12191	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	17-8	1250	10691	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	18-8	0710	10234	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	18-8	0730	11511	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	18-8	0750	12117	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	19-8	1210	13491	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	19-8	1230	12191	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	19-8	1250	10691	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	23-8	0710	10234	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	23-8	0730	11511	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	23-8	0750	12117	Tue	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	24-8	1210	13491	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	24-8	1230	12191	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	24-8	1250	10691	Wed	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	25-8	0710	10234	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)

XPA1	25-8	0730	11511	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	25-8	0750	12117	Thu	829 829 829 1 05130 00146 41816 ... 22849 41569 47880 04200	MFSK-20/10Bd	(AB)
XPA1	26-8	1210	13491	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	26-8	1230	12191	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	26-8	1250	10691	Fri	416 416 416 1 00816 00182 56286 ... 06887 04167 27321	MFSK-20/10Bd	(AB)
XPA1	30-8	0710	10234	Tue	829 829 829 000 08492 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	30-8	0730	11511	Tue	829 829 829 000 08492 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	30-8	0750	12117	Tue	829 829 829 000 08492 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	31-8	1210	13491	Wed	416 416 416 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	31-8	1230	12191	Wed	416 416 416 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	31-8	1250	10691	Wed	416 416 416 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA2	1-8	0700	12152	Mon	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	0720	13552	Mon	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	0740	13952	Mon	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	0910	18059	Mon	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	1-8	0930	16093	Mon	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	1-8	0950	14874	Mon	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	1-8	1500	13825	Mon	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-8	1520	12125	Mon	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-8	1540	11025	Mon	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-8	0500	10252	Tue	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	0520	11152	Tue	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	0540	12152	Tue	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	1100	13887	Tue	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB)
XPA2	2-8	1120	12187	Tue	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB)
XPA2	2-8	1140	10387	Tue	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB)
XPA2	2-8	1600	14864	Tue	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB)
XPA2	2-8	1620	14364	Tue	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB)
XPA2	2-8	1640	13464	Tue	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB)
XPA2	2-8	2100	12159	Tue	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	2120	11559	Tue	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	2140	10559	Tue	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB/HFD)
XPA2	3-8	0700	12152	Wed	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB)
XPA2	3-8	0720	13552	Wed	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB)
XPA2	3-8	0740	13952	Wed	01360 00122 44781 ... 24697 38573 15777	MFSK-16/20Bd	(AB)
XPA2	3-8	0910	18059	Wed	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	3-8	0930	16093	Wed	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	3-8	0950	14874	Wed	01831 00058 77704 ... 67365 47838 36707	MFSK-16/20Bd	(AB)
XPA2	3-8	1100	16264	Wed	04559 00001 00000 40261	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-8	1120	15864	Wed	04559 00001 00000 40261	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-8	1140	14864	Wed	04559 00001 00000 40261	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-8	1200	13919	Wed	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB/HFD)

XPA2	3-8	1220	14719	Wed	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB/HFD)
XPA2	3-8	1240	16219	Wed	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0500	10252	Thu	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB)
XPA2	4-8	0520	11152	Thu	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB)
XPA2	4-8	0540	12152	Thu	07326 00213 75109 ... 23185 04999 70603	MFSK-16/20Bd	(AB)
XPA2	4-8	0910	14372	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0930	13372	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0950	12172	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	1100	16264	Thu	01838 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	1120	15864	Thu	01838 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	1140	14864	Thu	01838 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	1600	14864	Thu	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	4-8	1620	14364	Thu	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	4-8	1640	13464	Thu	09752 00189 37825 ... 62631 34452 60632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-8	0800	13962	Fri	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	0820	14862	Fri	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	0840	15962	Fri	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	1100	13887	Fri	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	1120	12187	Fri	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	1140	10387	Fri	05258 00114 25853 ... 07197 50662 00050	MFSK-16/20Bd	(AB/HFD)
XPA2	5-8	1200	13919	Fri	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB)
XPA2	5-8	1220	14719	Fri	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB)
XPA2	5-8	1240	16219	Fri	00884 00206 27088 ... 17995 11055 50247	MFSK-16/20Bd	(AB)
XPA2	6-8	0910	14372	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	6-8	0930	13372	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	6-8	0950	12176	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	6-8	1500	13825	Sat	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB)
XPA2	6-8	1520	12125	Sat	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB)
XPA2	6-8	1540	11025	Sat	04200 00155 52190 ... 71461 97452 60445	MFSK-16/20Bd	(AB)
XPA2	7-8	0800	13962	Sun	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB)
XPA2	7-8	0820	14862	Sun	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB)
XPA2	7-8	0840	15962	Sun	00877 00116 47526 ... 75992 22508 65626	MFSK-16/20Bd	(AB)
XPA2	7-8	2100	12159	Sun	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB)
XPA2	7-8	2120	11559	Sun	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB)
XPA2	7-8	2140	10559	Sun	00872 00268 93067 ... 07306 90907 34437	MFSK-16/20Bd	(AB)
XPA2	8-8	0700	12152	Mon	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	8-8	0720	13552	Mon	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	8-8	0740	13952	Mon	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	8-8	0910	18059	Mon	04259 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	8-8	0930	16093	Mon	04259 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	8-8	0950	14874	Mon	04259 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	8-8	1500	13825	Mon	04852 00001 00000 36261	MFSK-16/20Bd	(AB/MPJ/HFD)

XPA2	8-8	1520	12125	Mon	04852 00001 00000 36261	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	8-8	1540	11025	Mon	04852 00001 00000 36261	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	9-8	0500	10252	Tue	09449 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	9-8	0520	11152	Tue	09449 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	9-8	0540	12152	Tue	09449 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	9-8	1100	13887	Tue	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-8	1120	12187	Tue	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-8	1140	10387	Tue	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-8	1600	14864	Tue	07066 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	9-8	1620	14364	Tue	07066 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	9-8	1640	13464	Tue	07066 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	9-8	2100	12159	Tue	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	9-8	2120	11559	Tue	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	9-8	2140	10559	Tue	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	10-8	0700	12152	Wed	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	10-8	0720	13552	Wed	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	10-8	0740	13952	Wed	00435 00154 82333 ... 60430 89670 53764	MFSK-16/20Bd	(AB)
XPA2	10-8	0910	18059	Wed	04800 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	10-8	0930	16093	Wed	04800 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	10-8	0950	14874	Wed	04800 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	10-8	1100	16264	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	10-8	1120	15864	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	10-8	1140	14864	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	10-8	1200	13919	Wed	05093 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	10-8	1220	14719	Wed	05093 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	10-8	1240	16219	Wed	05093 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	11-8	0500	10252	Thu	01655 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	11-8	0520	11152	Thu	01655 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	11-8	0540	12152	Thu	01655 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	11-8	0910	14372	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	11-8	0930	13372	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	11-8	0950	12172	Thu	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB)
XPA2	11-8	1100	16264	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	11-8	1120	15864	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	11-8	1140	14864	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	11-8	1600	14864	Thu	06438 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	11-8	1620	14364	Thu	06438 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	11-8	1640	13464	Thu	06438 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	12-8	0800	13962	Fri	06517 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	12-8	0820	14862	Fri	06517 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	12-8	0840	15962	Fri	06517 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	12-8	1100	13887	Fri	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB)

XPA2	12-8	1120	12187	Fri	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB)
XPA2	12-8	1140	10387	Fri	00825 00114 31490 ... 19744 42573 70711	MFSK-16/20Bd	(AB)
XPA2	12-8	1200	13919	Fri	05993 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	12-8	1220	14719	Fri	05993 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	12-8	1240	16219	Fri	05993 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13-8	0910	14372	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/MPJ)
XPA2	13-8	0930	13372	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/MPJ)
XPA2	13-8	0950	12172	Sat	08813 00195 80318 ... 37251 54687 72203	MFSK-16/20Bd	(AB/MPJ)
XPA2	13-8	1500	13825	Sat	03898 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	13-8	1520	12125	Sat	03898 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	13-8	1540	11025	Sat	03898 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	14-8	0800	13962	Sun	09680 00001 00000 34271	MFSK-16/20Bd	(AB)
XPA2	14-8	0820	14862	Sun	09680 00001 00000 34271	MFSK-16/20Bd	(AB)
XPA2	14-8	0840	15962	Sun	09680 00001 00000 34271	MFSK-16/20Bd	(AB)
XPA2	14-8	2100	12159	Sun	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	14-8	2120	11559	Sun	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	14-8	2140	10559	Sun	06550 00240 41620 ... 42496 20779 06652	MFSK-16/20Bd	(AB)
XPA2	15-8	0700	12152	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	15-8	0720	13552	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	15-8	0740	13952	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	15-8	0910	18059	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)
XPA2	15-8	0930	16093	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)
XPA2	15-8	0950	14874	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)
XPA2	15-8	1500	13825	Mon	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-8	1520	12125	Mon	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-8	1540	11025	Mon	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-8	0500	10252	Tue	03543 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	16-8	0520	11152	Tue	03543 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	16-8	0540	12152	Tue	03543 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	16-8	1100	13887	Tue	06469 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-8	1120	12187	Tue	06469 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-8	1140	10387	Tue	06469 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-8	1600	14864	Tue	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB)
XPA2	16-8	1620	14364	Tue	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB)
XPA2	16-8	1640	13464	Tue	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB)
XPA2	16-8	2100	12159	Tue	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB)
XPA2	16-8	2120	11559	Tue	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB)
XPA2	16-8	2140	10559	Tue	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB/RL)
XPA2	17-8	0700	12152	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	17-8	0720	13552	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	17-8	0740	13952	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	17-8	0910	18059	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)

XPA2	17-8	0930	16093	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)
XPA2	17-8	0950	14874	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB)
XPA2	17-8	1100	16264	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	17-8	1120	15864	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	17-8	1140	14864	Wed	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB)
XPA2	17-8	1200	13919	Wed	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	17-8	1220	14719	Wed	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	17-8	1240	16219	Wed	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	18-8	0500	10252	Thu	02086 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	18-8	0520	11152	Thu	02086 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	18-8	0540	12152	Thu	02086 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	18-8	0910	14372	Thu	05475 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	18-8	0930	13372	Thu	05475 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	18-8	0950	12172	Thu	05475 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	18-8	1100	16264	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-8	1120	15864	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-8	1140	14864	Thu	00728 00155 52708 ... 77449 47498 20463	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-8	1600	14864	Thu	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-8	1620	14364	Thu	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-8	1640	13464	Thu	00827 00185 58088 ... 08076 78605 43123	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-8	0800	13962	Fri	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	19-8	0820	14862	Fri	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	19-8	0840	15962	Fri	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	19-8	1100	13887	Fri	02299 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	19-8	1120	12187	Fri	02299 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	19-8	1140	10387	Fri	02299 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	19-8	1200	13919	Fri	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	19-8	1220	14719	Fri	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	19-8	1240	16219	Fri	00152 00186 18041 ... 04141 99632 10117	MFSK-16/20Bd	(AB)
XPA2	20-8	0910	14372	Sat	02515 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-8	0930	13372	Sat	02515 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-8	0950	12172	Sat	02515 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-8	1500	13825	Sat	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB)
XPA2	20-8	1520	12125	Sat	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB)
XPA2	20-8	1540	11025	Sat	00639 00155 86046 ... 73685 27004 06714	MFSK-16/20Bd	(AB)
XPA2	21-8	0800	13962	Sun	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	21-8	0820	14862	Sun	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	21-8	0840	15962	Sun	00897 00084 31672 ... 22482 20741 02470	MFSK-16/20Bd	(AB)
XPA2	21-8	2100	12159	Sun	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB)
XPA2	21-8	2120	11559	Sun	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB)
XPA2	21-8	2140	10559	Sun	06160 00244 30154 ... 85625 55569 43710	MFSK-16/20Bd	(AB)
XPA2	22-8	0700	12152	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)

XPA2	22-8	0720	13552	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	22-8	0740	13952	Mon	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	22-8	0910	18059	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-8	0930	16093	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-8	0950	14874	Mon	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-8	1500	13825	Mon	04302 00001 00000 33654	MFSK-16/20Bd	(AB)
XPA2	22-8	1520	12125	Mon	04302 00001 00000 33654	MFSK-16/20Bd	(AB)
XPA2	22-8	1540	11025	Mon	04302 00001 00000 33654	MFSK-16/20Bd	(AB)
XPA2	23-8	0500	10252	Tue	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	23-8	0520	11152	Tue	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	23-8	0540	12152	Tue	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	23-8	1100	13887	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB/MPJ-FIN)
XPA2	23-8	1120	12187	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB/MPJ-FIN)
XPA2	23-8	1140	10387	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB/MPJ-FIN)
XPA2	23-8	1600	14864	Tue	07802 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	23-8	1620	14364	Tue	07802 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	23-8	1640	13464	Tue	07802 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	23-8	2100	12159	Tue	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	23-8	2120	11559	Tue	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	23-8	2140	10559	Tue	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	24-8	0700	12152	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	24-8	0720	13552	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	24-8	0740	13952	Wed	05904 00106 06506 ... 47210 95844 45604	MFSK-16/20Bd	(AB)
XPA2	24-8	0910	18059	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/HFD)
XPA2	24-8	0930	16093	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/HFD)
XPA2	24-8	0950	14874	Wed	00902 00110 11595 ... 02443 67409 40674	MFSK-16/20Bd	(AB/HFD)
XPA2	24-8	1100	16264	Wed	03486 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	24-8	1120	15864	Wed	03486 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	24-8	1140	14864	Wed	03486 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	24-8	1200	13919	Wed	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	24-8	1220	14719	Wed	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	24-8	1240	16219	Wed	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	25-8	0500	10252	Thu	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	25-8	0520	11152	Thu	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	25-8	0540	12152	Thu	00851 00195 47104 ... 00092 08623 25332	MFSK-16/20Bd	(AB)
XPA2	25-8	0910	14372	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	25-8	0930	13372	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	25-8	0950	12172	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	25-8	1100	16264	Thu	02475 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-8	1120	15864	Thu	02475 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-8	1140	14864	Thu	02475 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-8	1600	14864	Thu	05622 00001 00000 35257	MFSK-16/20Bd	(AB)

XPA2	25-8	1620	14364	Thu	05622 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	25-8	1640	13464	Thu	05622 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	26-8	0800	13962	Fri	09470 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	26-8	0820	14862	Fri	09470 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	26-8	0840	15962	Fri	09470 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	26-8	1100	13887	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	26-8	1120	12187	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	26-8	1140	10387	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	26-8	1200	13919	Fri	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	26-8	1220	14719	Fri	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	26-8	1240	16219	Fri	00911 00192 21351 ... 94407 51733 54045	MFSK-16/20Bd	(AB)
XPA2	27-8	0910	14372	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	27-8	0930	13372	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	27-8	0950	12172	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	27-8	1500	13825	Sat	06719 00001 00000 30257	MFSK-16/20Bd	(AB)
XPA2	27-8	1520	12125	Sat	06719 00001 00000 30257	MFSK-16/20Bd	(AB)
XPA2	27-8	1540	11025	Sat	06719 00001 00000 30257	MFSK-16/20Bd	(AB)
XPA2	28-8	0800	13962	Sun	09804 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	28-8	0820	14862	Sun	09804 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	28-8	0840	15962	Sun	09804 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	28-8	2100	12159	Sun	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	28-8	2120	11559	Sun	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	28-8	2140	10559	Sun	07444 00168 72318 ... 91130 17116 72557	MFSK-16/20Bd	(AB)
XPA2	29-8	0700	12152	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	29-8	0720	13552	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	29-8	0740	13952	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	29-8	0910	18059	Mon	09448 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	29-8	0930	16093	Mon	09448 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	29-8	0950	14874	Mon	09448 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	29-8	1500	13825	Mon	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-8	1520	12125	Mon	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-8	1540	11025	Mon	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-8	0500	10252	Tue	02926 00001 00000 40654	MFSK-16/20Bd	(AB)
XPA2	30-8	0520	11152	Tue	02926 00001 00000 40654	MFSK-16/20Bd	(AB)
XPA2	30-8	0540	12152	Tue	02926 00001 00000 40654	MFSK-16/20Bd	(AB)
XPA2	30-8	1100	13887	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	30-8	1120	12187	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	30-8	1140	10387	Tue	00774 00198 22542 ... 96216 14709 30256	MFSK-16/20Bd	(AB)
XPA2	30-8	1600	14864	Tue	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-8	1620	14364	Tue	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-8	1640	13464	Tue	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-8	2100	12159	Tue	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB)

XPA2	30-8	2120	11559	Tue	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB)
XPA2	30-8	2140	10559	Tue	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB)
XPA2	31-8	0700	12152	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	31-8	0720	13552	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	31-8	0740	13952	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	31-8	0910	18059	Wed	09930 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	31-8	0930	16093	Wed	09930 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	31-8	0950	14874	Wed	09930 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	31-8	1100	16264	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	31-8	1120	15864	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	31-8	1140	14864	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	31-8	1200	13919	Wed	05476 00226 23313 ... 60672 17109 10525	MFSK-16/20Bd	(AB)
XPA2	31-8	1220	14719	Wed	05476 00226 23313 ... 60672 17109 10525	MFSK-16/20Bd	(AB)
XPA2	31-8	1240	16219	Wed	05476 00226 23313 ... 60672 17109 10525	MFSK-16/20Bd	(AB)
XPB1	1-8	0500	11559	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	0510	12159	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	0520	13459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	0530	13959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	0540	14459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	0550	14959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1200	15876	Mon	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	1-8	1210	14876	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-8	1220	14376	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-8	1230	13976	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-8	1240	13376	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-8	1250	12176	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	0500	11559	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	0510	12159	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	0520	13459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	0530	13959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	0540	14459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	0550	14959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-8	1900	14918	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	1910	13918	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	1920	12218	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	1930	11118	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	1940	10218	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-8	1950	9118	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-8	1100	13567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-8	1110	13367	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-8	1120	12167	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-8	1130	11567	Wed	Russian intel.	MFSK-16	(AB)

XPB1	3-8	1140	11067	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-8	1150	10567	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	6-8	1100	13567	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	6-8	1110	13367	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-8	1120	12167	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-8	1130	11567	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-8	1140	11067	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-8	1150	10567	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	6-8	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-8	1210	14876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-8	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-8	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-8	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-8	1250	12176	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7-8	1900	14918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-8	1910	13918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-8	1920	12218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-8	1930	11118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-8	1940	10218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7-8	1950	9118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-8	0500	11559	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	0510	12159	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	0520	13459	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	0530	13959	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	0540	14459	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	0550	14959	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0500	11559	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0510	12159	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0520	13459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0530	13959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0540	14459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	0550	14959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-8	1900	14918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-8	1910	13918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-8	1920	12218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-8	1930	11118	Tue	Russian intel.	MFSK-16	(AB/RL)

XPB1	9-8	1940	10218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-8	1950	9118	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10-8	1100	13567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-8	1110	13367	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-8	1120	12167	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-8	1130	11567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-8	1140	11067	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-8	1150	10567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1100	13567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1110	13367	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1120	12167	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1130	11567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1140	11067	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1150	10567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1200	15876	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13-8	1210	14876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-8	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1900	14918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1910	13918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1920	12218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1930	11118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1940	10218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14-8	1950	9118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0500	11559	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0510	12159	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0520	13459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0530	13959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0540	14459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	0550	14959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-8	0500	11559	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-8	0510	12159	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-8	0520	13459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-8	0530	13959	Tue	Russian intel.	MFSK-16	(AB)

XPB1	16-8	0540	14459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-8	0550	14959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-8	1900	14918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-8	1910	13918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-8	1920	12218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-8	1930	11118	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-8	1940	10218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-8	1950	9118	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	17-8	1100	13567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-8	1110	13367	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-8	1120	12167	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-8	1130	11567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-8	1140	11067	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-8	1150	10567	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	20-8	1100	13567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1110	13367	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1120	12167	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1130	11567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1140	11067	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1150	10567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1200	15876	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	20-8	1210	14876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-8	1250	12176	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	21-8	1900	14918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1910	13918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1920	12218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1930	11118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1940	10218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1950	9118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0500	11559	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0510	12159	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0520	13459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0530	13959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0540	14459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	0550	14959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1230	13976	Mon	Russian intel.	MFSK-16	(AB)

XPB1	22-8	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0500	11559	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0510	12159	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0520	13459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0530	13959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0540	14459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	0550	14959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-8	1900	14918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	23-8	1910	13918	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	23-8	1920	12218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	23-8	1930	11118	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	23-8	1940	10218	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	23-8	1950	9118	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	24-8	1100	13567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-8	1110	13367	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-8	1120	12167	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-8	1130	11567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-8	1140	11067	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-8	1150	10567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1100	13567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1110	13367	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1120	12167	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1130	11567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1140	11067	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1150	10567	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1210	14876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-8	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1900	14918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1910	13918	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1920	12218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1930	11118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1940	10218	Sun	Russian intel.	MFSK-16	(AB)
XPB1	28-8	1950	9118	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-8	0500	11559	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	0510	12159	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	0520	13459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	0530	13959	Mon	Russian intel.	MFSK-16	(AB)

XPB1	29-8	0540	14459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	0550	14959	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1200	15876	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	29-8	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0500	11559	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0510	12159	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0520	13459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0530	13959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0540	14459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	0550	14959	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1900	14918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1910	13918	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1920	12218	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1930	11118	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1940	10218	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-8	1950	9118	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1100	13567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1110	13367	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1120	12167	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1130	11567	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1140	11067	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-8	1150	10567	Wed	Russian intel.	MFSK-16	(AB)
XSL	8-8	1307	4231.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	4291	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	6250	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	6417	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	6445	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	8313	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8-8	1307	8587.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	22-8	1335	4231.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	4291	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	6250	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	6417	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	6445	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	8313	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	22-8	1335	8587.5	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-TWN)
XSL	24-8	1041	8703	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(RL)
XSL	30-8	1305	4231.5	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

XSL	30-8	1305	4291	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	30-8	1305	6250	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	30-8	1305	6417	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	30-8	1305	6445	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	30-8	1305	8313	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	30-8	1305	8587.5	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

Additional logs

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	19-8	0811	12103		Russian net	MFSK-11	(Anon)
M42	26-7	0755	11071	Tue	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	26-7	0812	16255	Tue	Russian diplo/intel.	MFSK-66	(Anon)
M42	26-7	0818	14939	Tue	Russian diplo/intel.	8PSK + MFSK-66	(Anon)
M42	27-7	0749	14656	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	27-7	0752	14732	Wed	Russian diplo/intel.	8PSK + MFSK-66	(Anon)
M42	27-7	0840	14515	Wed	Russian diplo/intel.	8PSK + MFSK-66	(Anon)
M42	27-7	0848	14478	Wed	Russian diplo/intel. -> 16235 -> 15888	Serdolik-v2	(Anon)
M42	27-7	0912	14475	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	27-7	0912	8504	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	27-7	1049	17458	Wed	Russian net i.p.	OFDM-45	(Anon)
M42	28-7	0700	14814	Thu	Russian diplo/intel.	8PSK	(Anon)
M42	28-7	0935	10474	Thu	Russian diplo/intel.	8PSK + MFSK-66	(Anon)
M42	28-7	1005	12083	Thu	Russian diplo/intel.	MFSK-66	(Anon)
M42	5-8	0705	14844	Fri	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	5-8	0721	13368	Fri	Russian net i.p.	OFDM-112	(Anon)
M42	5-8	0744	14869	Fri	Russian net i.p.	OFDM-112	(Anon)
M42	5-8	0800	14846	Fri	Russian diplo/intel. -> 17468	Serdolik-v2	(Anon)
M42	5-8	0816	14568	Fri	Russian embassy Madrid	8PSK	(Anon)
M42	5-8	0816	15627	Fri	Russian embassy Madrid	8PSK	(Anon)
M42	5-8	1110	17466	Fri	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	8-8	1155	17466	Mon	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	9-8	0417	10454	Mon	Russian net i.p.	OFDM-45	(Anon)
M42	9-8	0758	11071	Tue	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	9-8	0829	14939	Tue	Russian diplo/intel.	MFSK-66	(Anon)
M42	9-8	0852	17466	Tue	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	9-8	0915	16060	Tue	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	9-8	1033	19612	Tue	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	10-8	0855	17466	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	10-8	0900	14934	Wed	Russian net i.p.	OFDM-45	(Anon)
M42	10-8	0907	14643	Wed	Russian net i.p.	OFDM-45	(Anon)
M42	10-8	0912	19124	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)

M42	10-8	0938	18331	Wed	Russian diplo/intel.	Serdolik-v2	(Anon)
M42	10-8	1216	17466	Wed	Russian diplo/intel.	MFSK-66	(Anon)
M42	15-8	0651	12120	Mon	Russian embassy Vienna	MFSK-66	(Anon)
M42	15-8	0739	12146	Mon	Russian embassy Bern	MFSK-66	(Anon)
M42	15-8	0900	18762	Mon	Russian diplo/intel, Moscow <> 19846 kHz / 20374 kHz	OFDM-45	(Anon)
M42	18-8	1025	14576	Mon	Russian net i.p.	OFDM-45	(Anon)
M42	19-8	1000	16123	Mon	Russian net i.p.	OFDM-45	(Anon)
M42	22-8	0833	19124	Mon	Russian diplo/intel.	MFSK-66	(Anon)
M42	28-8	0901	16305	Sun	Russian net i.p.	OFDM-112	(Anon)
M42b	6-8	0627	12224	Sat	Russian net	FSK 50/500 Inv.	(Anon)
Q26	5-8	0834	17372	Fri	Chinese military	4+4 QPSK 75/3000 LS	(Anon-HOL)
Q26	12-8	0610	12503	Fri	Chinese military	4+4 QPSK 75/3000 LS	(Anon-HOL)
Q26	17-8	0800	18911	Wed	Chinese military	4+4 QPSK 75/3000 LS	(Anon-HOL)
X06	27-7	0824	13369	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(Anon)
X06	27-7	0905	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Anon)
X06	27-7	0918	13985	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Anon)
X06	28-7	0949	13506	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(Anon)
X06	5-8	0837	14824	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(Anon)
X06	5-8	1025	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(Anon)
X06	5-8	1232	14824	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(Anon)
X06	8-8	0935	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Anon)
X06	9-8	0502	14835	Tue	MFA Moscow clg 341265: unid embassy	MFSK-6	(Anon)
X06	9-8	0815	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Anon)
X06	10-8	0858	10214	Wed	MFA Moscow clg 263145: Russian embassy Prague	MFSK-6	(Anon)
X06	12-8	0630	15920	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(Anon)
X06	15-8	0703	11638	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(Anon)
X06	15-8	0713	11158	Mon	MFA Moscow clg 263514: unid embassy	MFSK-6	(Anon)
X06	15-8	0731	13415	Mon	MFA Moscow clg 263514: unid embassy	MFSK-6	(Anon)
X06	15-8	0742	10175	Mon	MFA Moscow clg 263514: unid embassy	MFSK-6	(Anon)
X06	15-8	0811	12133	Mon	MFA Moscow clg 263514: unid embassy	MFSK-6	(Anon)
X06	22-8	0820	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Anon)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AUT	Ary Boender via remote rx Austria
AB-BLR	Ary Boender via remote rx Belarus
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HK	Ary Boender via remote rx Hong Kong
AB-HNG	Ary Boender via remote rx Hungary
AB-IND	Ary Boender via remote rx India
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-SVN	Ary Boender via remote rx Slovenia
AB-TWN	Ary Boender via remote rx Taiwan
AB-USA	Ary Boender via remote rx USA
AB-VTN	Ary Boender via remote rx Vietnam
Anon	Anonymous
Anon-HOL	Anonymous via remote rx Netherlands
Dan-J	Daniel LU5EMM via remote rx Japan
DW-MD	Dave Wright, MD, USA
EW	Eddy Waters, Australia
FD	Full Day Waterfall, University Twente SDR
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-KWT	Hans-Friedrich Dumrese via remote rx Kuwait
HFD-PHL	Hans-Friedrich Dumrese via remote rx Philippines
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
Max	Max
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-FIN	Jim via remote rx Finland
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
RR2	Rich Ray, IL, USA
Sublio	Sublio

APPENDIX

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
E06	English	Russia	G06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
G06b	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, G06b, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, G06b, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRÖ daily schedule
UM10	Morse	?	

Digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
SK01	Various	Cuba	
X06	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06a	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06b	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06c	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06d	CW	Russia	X06a, X06b, X06c, X06d
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB1	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	Itnien
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	Pietiorka	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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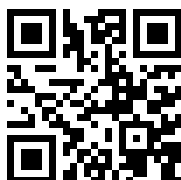
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976 27364 92866 89428 61288 49982 30498 32704 81276 81
986 80932 70987 32123 49817 26346 81267 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28758 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
591 87364 87265 96718 27638 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43266 486
57 68768 68763 34234 34238 68768 62342 48273 48768 20
36 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43286 86
741 86743 86743 86743 86743 86743 86743 86743 86743 43
989 98798 98754 98754 98754 29867 67543 67986 80
76 87698 69876 87698 69876 87612 12341 34867 86798 65
867 43298 65656 56756 56123 32143 14321 32143 14321 321
2787 58765 76587 58765 76587 58765 76587 58765 76587

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