

8	27364	92836	89428	81268	74982	86498	32784	31277
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
701	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
77	87432	74328	78674	29867	32867	67867	86786	43286
77	68768	68763	34234	34238	68768	62342	48273	48768
706	98432	32432	86743	43286	43286	43286	43286	43286
743	86743	86743	39867	32867	86743	43286	43286	43243
74	86743	86743	86743	86743	86743	86743	86743	86743
792	98798	98754	98754	98754	98754	29867	67543	67986
76	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
77	58767	58767	58767	58765	76587	58765	76587	58756

*Numbers & Oddities*  
 Numbers & Oddities  
 a.k.a. *The Spooks Newsletter*  
 The Spooks Newsletter  
*Edition #312, September 2023*

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

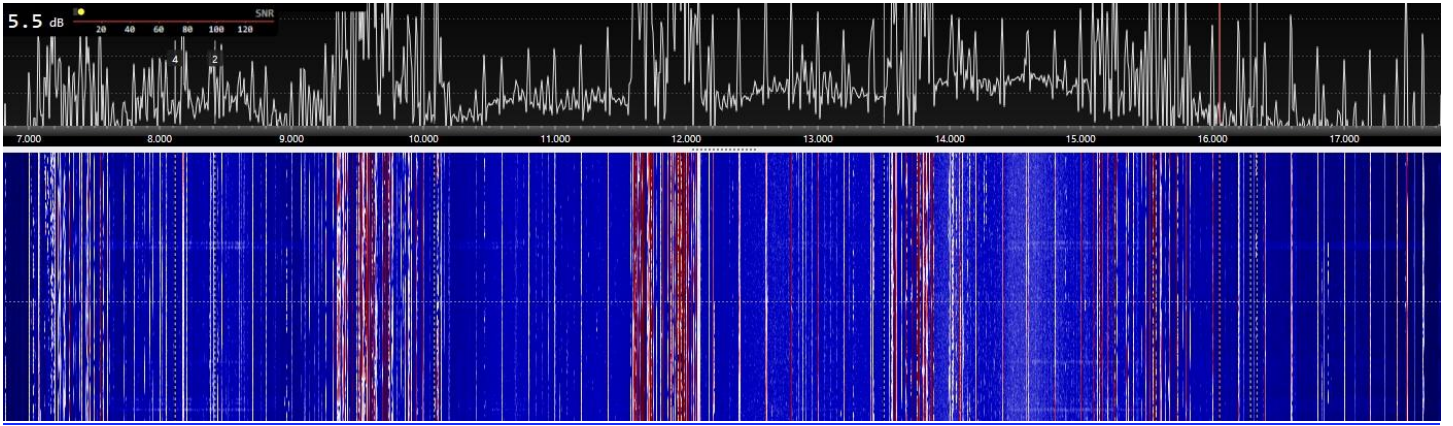
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

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

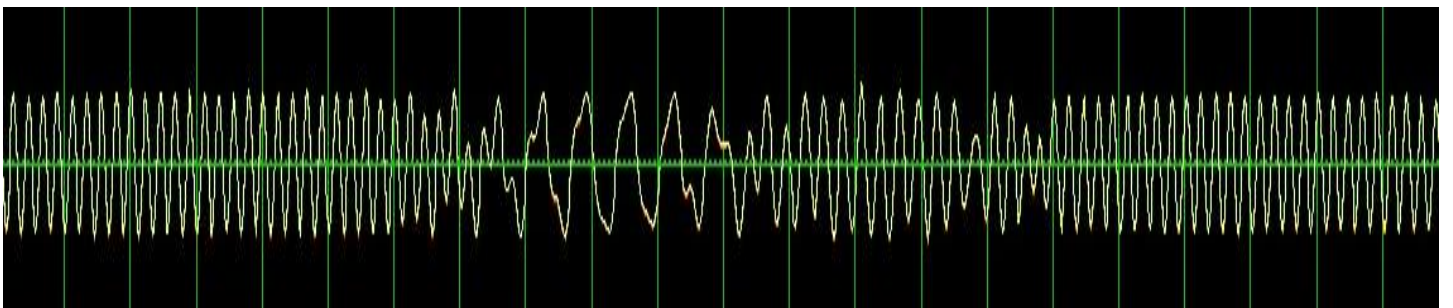


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## FOREWORD

Hello all,

I'm glad that I was able to produce another edition of N&O. Due to circumstances I had not much time to listen for almost two weeks and when the time came to compile everything, other -more important- things happend. I'd like to thank all contributors, especially my friends at Priyom, who provided lots of logs, transcripts and recordings. So in the end N&O is again filled with logs and transcripts.

The Russians aired a number of tests or training messages in September, mostly XPA2, M14 and S25. You can find the transcripts in the relevant sections.

M23 ceased its transmissions on the 17<sup>th</sup>.

S06, M14 and F06 transmissions for the Asia/Pacific region were not heard on 18, 19, 20 and 21 September. This was probably caused by a technical problem.

UM04 now has its own pages on Priyom.org <https://priyom.org/military-stations/bulgaria/um04>

Should you have back ground stories for us, or numbers stations related historic items or other relevant information, please let me know.

That's all from me. See ya next month.

## VOICE STATIONS

### E06

#### **13545/11521 kHz, 01-09, 0300/0400 UTC**

361 725 30  
35270 11470 53463 89519 30832 20505 99187 43059 33949 67387  
61089 44975 80482 59332 89763 95882 86665 18302 74000 09627  
46216 10321 06109 33667 00984 42468 85621 61342 71074 57231  
725 30 00000

#### **14370/16265 kHz, 07-09/08-09, 0500/0600 UTC**

354 107 62  
99261 11421 29073 51347 06436 93772 81353 55879 47398 03278  
18264 16961 83393 75921 43540 47279 33941 54761 49785 71456  
72144 60232 63761 21216 54242 06645 22619 85325 03082 88310  
98288 00261 60208 83739 12192 92541 30258 51331 07478 08651  
74328 15016 70965 93494 46040 63273 21979 03342 99946 09964  
10268 64162 90564 60812 45078 50841 95657 10957 56902 21437  
07534 60810  
107 62 00000

#### **14370/16265 kHz, 21-09/22-09, 0500/0600 UTC**

354 928 61  
15665 24891 47283 89601 23210 77563 86841 75687 31745 93842  
51773 95676 96515 82740 26090 39322 89804 98230 17416 08593  
15674 06691 62991 91423 97458 18127 54518 29697 36449 73346  
42794 86163 65209 04283 08065 39958 43954 09648 07043 65438  
73437 13101 32516 73988 22775 96132 46503 23519 95647 22837  
72867 25316 83329 98767 60350 02949 77955 31065 51951 82910  
44492  
928 61 00000

**13545/11521 kHz, 01-09, 0300/0400 UTC**

361 725 30  
35270 11470 53463 89519 30832 20505 99187 43059 33949 67387  
61089 44975 80482 59332 89763 95882 86665 18302 74000 09627  
46216 10321 06109 33667 00984 42468 85621 61342 71074 57231  
725 30 00000

**13567/11521 kHz, 07-09/08-09, 0300/0400 UTC**

361 804 31  
70669 77588 67217 11828 48793 86012 73244 36011 12484 81142  
46240 57558 52190 85123 21425 50015 97818 33402 80591 20168  
47437 11995 07222 27399 82795 28850 12022 55091 45103 86467  
64795  
804 31 00000

**13572/11521 kHz, 14-09, 0300/0400 UTC**

**13557/11521 kHz, 15-09, 0300/0400 UTC (0400z not monitored)**

361 507 32  
45977 82907 22650 57993 48641 50468 22193 17029 13602 40096  
74056 92914 65625 11933 35468 29386 86357 64015 20713 93349  
62748 68183 49416 60057 31678 86944 99614 22209 44211 88481  
51550 52660  
507 32 00000

**13564/11521 kHz, 21-09, 0300/0400 UTC**

**13557/11515 kHz, 22-09, 0300/0400 UTC**

361 289 33  
80393 16654 21636 63794 80106 10579 39056 44868 30243 59599  
48420 75788 19301 47006 45159 03604 07015 68903 71971 27724  
94999 31197 22531 12194 56876 43954 32005 32052 38797 67804  
27834 20950 66332  
289 33 00000

**13564/11521 kHz, 28-09, 0300/0400 UTC**

**13565/11521 kHz, 29-09, 0300/0400 UTC**

361 570 34  
28547 16372 72917 98340 41892 81596 13703 86415 57216 03966  
09268 57740 55831 79560 62646 15632 70122 24293 98302 81909  
81617 82987 01269 61290 86729 76832 48162 65259 59853 37650  
72295 06353 68527 02427  
570 34 00000

**11426/14477 kHz, 04-09/05-09, 0210/0310 UTC**

537 468 35  
09817 78238 55374 78913 24492 09805 38437 91770 33432 62441  
64641 54587 90004 75226 65578 81355 19321 24472 51601 42759  
44401 48308 03467 68143 14786 83465 25016 52664 61015 31454  
42825 99299 23437 96330 63770  
468 35 00000

**11426/14477 kHz, 11-09/12-09, 0210/0310 UTC**

537 192 36  
75211 85527 02443 62517 09669 50637 63092 96265 05796 42697  
53080 57451 81923 44166 13685 72370 44027 32350 43612 70463  
93869 63888 40197 84086 96621 56610 27427 82366 18897 23441  
44214 06331 73128 38042 91366 97486  
192 36 00000

**11426/14477 kHz, 18-09/19-09, 0210/0310 UTC**

537 486 37  
41550 86336 83592 11537 59669 68030 01349 15792 03547 26488  
19365 86354 18043 03763 11648 86979 65560 05007 44657 28455  
67491 49466 51028 30971 84830 17280 82305 81515 73877 71759  
39107 78471 77981 61850 02177 80606 41254  
486 37 00000

**11426/14477 kHz, 25-09/26-09, 0210/0310 UTC**

537 120 38  
66495 04930 83151 78570 72434 26818 55019 57354 00215 18131  
89163 93618 97439 24673 28555 46919 60392 95412 30796 44103  
92522 68675 67866 21809 35697 22119 44725 63206 72626 78655  
97691 33655 23937 85526 58551 44983 88295 08703  
120 38 00000

**E07**

**17452/16272/14875 kHz, 1500/1520/1540 UTC**

**17452/16272/14875 kHz, 01-09, 1500/1520/1540 UTC**

428 428 428 19220 56 9220 56  
05778 59541 00564 34892 36057 23186 29742 99501 77361 41996  
49756 98849 47414 12779 62239 56227 14360 16804 97863 87659  
79896 36229 55265 91895 49447 55843 67140 26763 20493 70462  
80729 01700 27389 86783 45013 36878 57609 76436 46765 31845  
71173 16054 81125 59309 19699 83075 89946 83935 68217 69196  
29108 51266 31571 42783 07838 87345 000 000

**17452/16272/14875 kHz, 12-09/15-09, 1500/1520/1540 UTC**

428 428 428 1 3620 99 3620 99  
97342 25273 80030 05184 88232 55572 73989 51008 93613 84387  
01875 53159 44658 08580 62009 47243 16055 23224 24728 17282  
41682 72348 52013 82859 29914 12700 16298 10564 84697 90442  
99218 22882 35930 58542 00989 45235 08955 15961 48655 50693  
94529 03044 73974 77467 19677 97945 38421 35217 66805 43473  
42755 98801 55735 31593 07708 12515 38279 73572 09579 63506  
04857 66775 91726 05756 81823 66019 80519 69507 63859 56547  
32324 76562 68917 50752 89730 59465 95251 39075 17375 48177  
77433 02659 44560 64422 04288 28812 48575 57869 33052 61056  
79795 42483 59136 88334 53045 69589 52719 60689 48037 000 000

**17452/16272/14875 kHz, 26-09/29-09, 1500/1520/1540 UTC**

428 428 428 1 427 112 427 112  
31213 61179 06517 89843 78619 41698 04455 54337 01078 52850  
88059 61323 76503 49669 37459 22243 27584 95774 55565 45404  
78279 22472 79500 59828 31365 68303 92422 66090 29277 35635  
35006 94691 20872 34265 43347 27664 59491 66983 68679 22389  
94925 00083 18361 16984 69787 99366 72295 23989 16982 25738  
82379 94813 26789 63496 71066 41328 95826 68854 88594 33410  
68225 39264 79678 00870 04662 34049 80240 48139 33238 64034  
50749 84564 71579 28084 16065 80862 50096 74678 21227 34508  
37018 30934 66270 51723 17705 28612 84495 34318 39390 31993  
11664 84521 48405 66730 69174 36442 70397 22887 28070 04991  
82210 97903 61891 34978 42398 53485 21122 24888 07738 59847  
92035 01095 000 000

16228/15928/14928 kHz, 1410/1430/1450 UTC

**16228/15928/14928 kHz, 02-09, 1410/1430/1450 UTC**

594 594 594 1 115 92 115 92  
57427 79435 53416 84046 46858 51848 27657 15841 27668 23343  
88652 17723 80147 76048 77971 40699 53018 18664 11171 09583  
51156 53081 07691 52249 00145 85497 59978 21006 40474 21430  
61248 94986 05313 80613 95986 45190 98361 89250 25121 22197  
18067 90916 21046 30308 75388 53209 55566 13268 78458 31315  
36620 83172 36550 59165 10812 38826 72141 28503 29806 36381  
21278 76757 47370 51848 52549 52760 16999 54220 71916 10700  
43710 18921 86399 37082 15695 03828 25949 10265 53417 36865  
04017 81928 32909 36399 52873 40376 44490 83039 80706 03666  
41984 81600 000 000

**16228/15928/14928 kHz, 16-09, 1410/1430/1450 UTC**

594 594 594 1 7134 59 7134 59  
08102 19589 97742 07604 41667 52327 83544 36515 46040 24026  
04427 59348 97385 93742 32018 25784 75021 02160 08170 17109  
49331 82088 70346 03189 49055 11181 52170 43473 43151 11604  
91322 45545 43101 92296 95704 53708 84771 09763 85479 14881  
52951 61583 47836 97241 37403 13156 19455 31128 26577 14990  
12720 22578 16316 06370 64193 41085 78646 23559 88943 000 000

**16228/15928/14928 kHz, 28-09/30-09, 1410/1430/1450 UTC**

594 594 594 1 360 70 360 70  
11728 93465 66758 64343 88417 07045 70747 10889 03305 08337  
92517 26405 57700 32389 78874 61176 92137 35983 88736 92800  
35031 60215 72705 76780 83582 08498 43791 92478 24859 14945  
54722 19849 69458 89133 16098 62560 21788 64833 69661 84762  
68500 44314 19382 22880 52189 38227 16131 44722 99192 93675  
56420 79794 95145 55427 38400 35144 80561 52186 31181 06738  
15045 33257 80568 44671 23411 93986 78685 41479 35891 73795  
000 000

**E11a**

E11 id 121

**4073 kHz, 02-09, 1930 UTC**

121/32 Attention  
75036 59355 96208 30567 51858 32562 38229 64582 38376 45599  
73457 83436 85446 58644 56544 56654 56533 46091 38440 39651  
33405 34092 63409 12399 05966 72539 78192 73657 19457 39572  
14683 28994  
Attention (message repeated) Out

**9049 kHz, 15-09, 0650 UTC**

121/30 Attention  
89735 48769 53428 76543 52876 93458 97035 46897 05236 79632  
47568 35468 93456 89702 35487 69354 28769 35428 69735 48769  
35428 69742 35897 63542 87693 54289 76354 28769 35489 67354  
Attention (message repeated) Out

**9049 kHz, 16-09, 0650 UTC**

121/32 Attention  
78954 37682 34758 34268 79543 67890 35648 97635 42768 93457  
80954 36897 65438 76935 64789 05897 04352 67895 43678 90543  
67890 54368 76954 36789 05643 87906 43789 06437 68964 53789  
05643 78907  
Attention (message repeated) Out

**9049 kHz, 17-09, 0650 UTC**

121/35 Attention

98419 19509 85198 49851 95095 61984 19841 65096 51984 19814  
65065 09685 41984 19816 20651 94198 41650 36209 65198 41941  
65165 06541 98418 94462 00651 96419 84198 12096 54984 98451  
65198 49849 87415 61965 41983  
Attention (message repeated) Out

Regular transmissions

**9079 kHz, 02-09/03-09, 0700 UTC**

490/34 Attention

85860 31822 87491 64965 99264 05689 39604 05965 23321 35554  
04713 47757 49705 34564 77213 56401 05564 85395 86278 34394  
11238 06145 81725 14463 07756 31819 46310 29101 77294 72717  
35543 25112 43525 18709  
Attention (message repeated) Out

**4505 kHz, 02-09/03-09, 1530 UTC**

366/40 Attention

60050 51963 06613 21835 20793 35543 77370 79360 35454 19527  
49386 45600 88918 28581 69475 61926 71533 05871 51791 67504  
77412 72485 64018 72244 19837 48420 19202 45165 49065 31804  
31680 89810 99622 89352 76434 30123 68854 47848 95139 68876  
Attention (message repeated) Out

**5371 kHz, 04-09, 0450 UTC**

**7864 kHz, 07-09, 1730 UTC**

410/32 Attention

81564 24861 25209 77535 79391 05435 43359 36435 86697 09219  
87391 95266 28634 19812 28545 00895 94312 24306 95819 37175  
22671 51977 88775 49224 56535 71809 97333 70855 58279 84578  
75345 31072  
Attention (message repeated) Out

**15632 kHz, 04-09/06-09, 0715 UTC**

753/35 Attention

12828 86865 40659 12962 11265 09986 85530 49969 64004 65834  
56830 41824 28796 64740 65027 76077 56330 21976 70276 34334  
10276 67431 64087 63349 68229 86959 85207 73469 64088 39030  
43469 91457 34827 44910 34246  
Attention (message repeated) Out

**10213 kHz, 04-09, 0745 UTC**

268/36 Attention

19908 09947 35662 71535 54951 80937 34762 32078 80625 23447  
27696 26596 07814 98570 23907 40562 15087 11679 66438 68748  
60188 80913 01997 90571 25015 57640 02709 41325 90195 94049  
55484 74229 20894 54952 53851 44478  
Attention (message repeated) Out

**9963 kHz, 05-09/08-09, 0715 UTC**

637/35 Attention

66302 85918 75854 28996 70076 70088 44500 79554 98231 07183  
46427 55004 01728 13959 50411 80036 47137 03549 00689 24475  
69951 18995 11213 31385 26225 86107 34768 59731 72735 55402  
26947 73478 87340 72976 54378  
Attention (message repeated) Out

**9951 kHz, 05-09/08-09, 1000 UTC**

309/23 Attention

21644 38187 83219 13460 94216 58082 36426 33316 14467 37304  
53175 73586 06345 83343 57930 44699 20901 79458 60568 66234  
99345 92492 21847

Attention (message repeated) Out

**17410 kHz, 06-09/08-09, 0745 UTC**

344/32 Attention

07062 10882 89091 93943 67907 88329 48364 59407 16604 67132  
16200 55141 53066 60331 75438 46093 69005 99602 49472 90258  
91928 36865 00741 57184 42068 57440 52556 77797 48536 52849  
79852 47707

Attention (message repeated) Out

**6923 kHz, 06-09/08-09, 1715 UTC**

972/36 Attention

10059 40259 18710 70557 81504 52779 68867 08929 93001 05683  
41772 54964 13095 66620 21726 42090 91231 28020 09046 57442  
16552 69997 98404 52494 50796 46775 50191 82351 10057 08052  
81835 70907 78105 19037 21660 39631

Attention (message repeated) Out

**10330 kHz, 07-09, 1530 UTC**

268/36 Attention

19908 09947 35662 71535 54951 80937 34762 32078 80625 23447  
27696 26596 07814 98570 23907 40562 15087 11679 66438 68748  
60188 80913 01997 90571 25015 57640 02709 41325 90195 94049  
55484 74229 20894 54952 53851 44478

Attention (message repeated) Out

**5737 kHz, 07-09/10-09/14-09/17-09, 2000 UTC**

520/32 Attention

64854 22921 81551 00462 75070 08146 64298 63909 44177 58871  
92812 52271 37499 80889 51262 42564 12243 42492 36891 69570  
42287 07733 78413 00626 05969 45402 71244 66452 45381 23921  
46528 32707

Attention [message repeated] Out

**8530 kHz, 08-09/09-09, 1910 UTC**

617/34 Attention

69160 72171 76512 23801 68902 32466 51158 28081 41638 46741  
73583 50261 57869 90825 45731 81236 20265 48453 30943 23859  
36360 10107 57570 26803 80678 21556 23212 13234 52084 01832  
27165 44441 49453 09721

Attention (message repeated) Out

**20170 kHz, 11-09/15-09, 0830 UTC**

182/22 Attention

40844 68381 19480 90969 06676 53175 52441 78489 45073 37087  
75663 38690 09607 19558 51006 54670 95423 11046 35850 94239  
93164 66361

Attention [message repeated] Out

**12202 kHz, 11-09/13-09, 0845 UTC**

715/33 Attention

82058 59926 45947 43076 87481 60193 32718 93684 57899 03165  
65635 18583 45072 41884 33923 90111 64341 50357 45688 38788  
71955 60767 93700 47901 07309 73528 51227 18610 92424 45001  
07352 46164 67661

Attention [message repeated] Out



**8423 kHz, 12-09/14-09, 0645 UTC**

512/35 Attention

67361 03517 50835 84415 29633 85428 13755 37826 87022 97905  
56912 76525 02074 73227 85075 13739 81314 49251 94643 83105  
87702 14825 50076 31881 76005 02364 93534 72951 69120 14660  
42999 49571 94875 10520 48305  
Attention (message repeated) Out

**19184 kHz, 12-09/13-09, 0820 UTC**

130/37 Attention

78770 70626 41112 54821 48519 07205 60799 81946 51074 90917  
37215 62234 53619 61822 16690 33147 15851 91026 37837 90494  
90037 13721 86261 50122 06878 76347 60088 97120 22032 41144  
42338 45417 04132 09587 32873 00280 96226  
Attention [message repeated] Out

**12530 kHz, 12-09/14-09, 1230 UTC**

338/34 Attention

68499 41865 81483 71473 95849 09065 83809 80664 72183 26296  
55136 90023 40697 88008 60970 41911 35258 25674 66721 23148  
45698 15446 31851 56519 35862 86741 87726 81733 38593 38394  
74683 08336 84934 46562  
Attention [message repeated] Out

**5176 kHz, 12-09/17-09, 1605 UTC**

237/33 Attention

58086 97594 45388 92038 85834 61768 25331 87734 47775 64483  
71236 07339 51053 74882 96340 41047 48162 07731 31254 32892  
13457 50763 78406 91158 90446 31898 57356 77626 84458 69786  
83539 78203 37005  
Attention [message repeated] Out

**14972 kHz, 12-09/16-09, 1430 UTC**

915/33 Attention

66291 77310 95276 07531 75041 90214 43674 80501 19852 97135  
26844 80793 41117 60379 61139 89414 43934 89725 74139 51754  
27147 74228 98978 02911 16705 58641 58621 73937 69101 50379  
72529 25733 96098  
Attention (message repeated) Out

**11092 kHz, 18-09/20-09, 0315 UTC**

258/40 Attention

46638 29396 32220 46937 38849 54689 25720 51507 39827 35910  
72962 12331 57231 87073 18532 71990 50018 05540 09897 77826  
44265 05047 46094 68460 36760 73676 59142 09960 81684 74538  
25656 36590 17602 87042 93658 33925 18120 18850 22930 89738  
Attention (message repeated) Out

**10200 kHz, 18-09/20-09, 1045 UTC**

696/40 Attention

65621 60912 80408 72585 49802 17054 10432 40919 08184 98215  
53716 46290 21702 46227 35723 20482 41048 88440 03365 18465  
71892 33600 15675 57897 97166 40942 81678 94904 80521 75766  
82408 89853 94713 36658 54220 35349 91843 68862 45036 49396  
Attention (message repeated) Out

**5371 kHz, 18-09/21-09, 1300 UTC**

311/39 Attention

86646 37153 70368 26907 10424 62139 45285 36232 87756 02322  
82541 76292 63351 37192 93798 97663 17313 79144 57980 21410  
98315 97376 73230 03808 06466 72641 26257 53473 61650 58897  
65138 20144 00056 91042 43493 70262 35427 62569 88191  
Attention (message repeated) Out

**14865 kHz, 19-09/21-09, 0745 UTC**

227/38 Attention

74599 65122 95064 17056 05046 66157 00972 63480 29632 54696  
80544 65469 75651 28860 91756 31671 40450 83965 85115 42962  
03401 97009 14548 67860 58656 02567 87866 52531 94324 34128  
67285 60088 31139 15992 95400 59301 35792 20009

Attention (message repeated) Out

**13470 kHz, 18-09/24-09, 1745 UTC**

240/31 Attention

88145 50006 27650 02923 56730 80066 43682 50304 92828 43074  
29824 83842 79136 22891 81520 99008 58292 52717 95756 15096  
72687 88606 82883 48668 28313 29769 63917 47014 14038 08031  
13612

Attention (message repeated) Out

**4181 kHz, 20-09/23-09, 1910 UTC**

394/40 Attention

48350 08472 28578 55166 65555 15217 35416 06531 03720 27508  
11467 47926 70834 16708 91854 13099 43554 47839 15603 12180  
93521 67162 47265 83364 56525 17221 06054 25861 63223 65872  
03540 90038 44303 17653 30477 42299 85241 59463 00942 48058

Attention (message repeated) Out

**8680 kHz, 22-09/23-09, 0600 UTC**

351/34 Attention

81126 31194 22893 79615 85756 60758 20273 34207 97022 44777  
82624 31941 65313 71598 01263 52686 86175 10983 80142 57644  
86944 73091 60236 45601 94994 76238 05164 64227 44154 35477  
07565 11196 57586 96903

Attention (message repeated) Out

**11116 kHz, 22-09/24-09, 1815 UTC**

921/32 Attention

88124 51052 06006 76449 48028 50770 47143 37199 49643 75890  
87013 88029 37036 95542 83551 10389 85058 34002 69858 21175  
45811 64209 19150 35489 50432 43952 45507 56166 78362 72079  
50481 55778

Attention (message repeated) Out

**9968 kHz, 25-09/27-09, 0900 UTC**

536/39 Attention

45186 72563 57896 33671 79034 66441 72861 86847 70024 99530  
54451 65075 66372 61045 16918 02588 47182 97509 40536 91801  
81873 00820 36671 81878 20248 66518 30220 23350 12236 91537  
02745 07809 54702 70653 27764 87282 49992 25055 10064

Attention (message repeated) Out

**7317 kHz, 25-09/28-09, 1900 UTC**

641/40 Attention

96864 24346 49587 29405 11570 48787 74355 76526 20847 26031  
70905 14197 49045 62604 03453 07943 14011 47090 64448 16426  
57481 58505 55582 15520 38996 41957 95895 00633 82464 74181  
40082 92287 33635 82956 17099 46911 19588 64595 43992 88930

Attention (message repeated) Out

**8180 kHz, 26-09/29-09, 0700 UTC**

571/36 Attention

78103 25571 15095 66616 09929 68216 65022 66221 00859 56161  
21145 75432 91069 97116 98022 20949 64093 26718 83319 36855  
42165 79609 86165 66790 81005 67936 47026 03935 84043 78903  
40805 28398 11274 89407 88263 94072

Attention (message repeated) Out

**18168 kHz, 26-09/28-09, 0845 UTC**

156/25 Attention

08075 07269 56927 77938 88866 02675 93232 25496 34446 24735  
21744 72044 35251 79097 14480 69044 27342 20806 66032 47330  
96604 04730 25396 71841 71386  
Attention (message repeated) Out

**9399 kHz, 26-09/27-09, 1205 UTC**

263/38 Attention

23424 84235 31072 61229 93817 81657 08272 36333 90756 03903  
25404 28454 64739 59198 14805 43505 92372 36442 91846 43758  
69473 16973 56627 00492 96694 51011 93943 24772 85028 76332  
86309 41237 21320 71459 85578 36560 77303 32443  
Attention (message repeated) Out

**6940 kHz, 27-09/28-09, 0930 UTC**

270/34 Attention

24637 62506 46266 56835 53766 63224 95516 99798 97412 75558  
61851 54550 19715 71982 10453 69127 83669 20595 21435 57303  
64414 85940 00923 95280 13329 41679 68149 88355 62750 53366  
04010 98970 91416 99881  
Attention (message repeated) Out

**7670 kHz, 28-09/29-09, 0820 UTC**

435/30 Attention

56793 31267 66106 42058 66672 75386 76991 12125 07367 87320  
44889 00621 20153 35364 94154 72336 15132 78716 65343 10070  
19068 10119 06910 13609 07490 02243 40811 44372 16493 17786  
Attention (message repeated) Out

**S06**

**11616/9322 kHz, 01-09, 0400/0420 UTC**

480 973 56

09848 67515 88887 89626 31399 99038 98043 56691 91019 07981  
43731 23898 90323 68019 97335 38181 89055 78231 31076 19798  
59275 27812 10337 67718 31065 18309 73594 03003 28160 35564  
60873 54855 16968 88550 76682 19043 17407 57292 98360 43358  
48984 17050 65762 19829 10586 30967 13238 88348 17377 28363  
29833 81420 43277 10850 58646 64706

**11616/9322 kHz, 04-09, 0400/0420 UTC**

480 215 69

19397 86086 49625 01594 76871 75784 34628 33690 95319 70626  
85827 94451 22062 14623 35260 78991 82354 57464 23443 25238  
17467 38672 88878 05157 59575 55829 77952 18038 16917 84081  
11190 65509 67631 39092 66795 12984 85726 00652 67415 67215  
47619 39102 81053 24655 92677 11800 72098 70301 36199 21771  
63372 31720 58272 55768 95161 17930 16958 43910 92150 97840  
59217 08086 74208 97924 28034 91318 71961 23820 89168  
215 69 00000

**11616/9322 kHz, 05-09, 0400/0420 UTC**

**(0420z: multiple breakdowns during ID call, during group 9**

480 796 53

62606 03233 13455 24262 23001 96280 66000 83181 98698 53987  
54126 14258 66910 89191 15928 52468 05444 26598 63286 73995  
52282 34439 58917 75207 78203 86306 44295 06023 20571 82851  
66889 99860 01828 88034 80159 67362 66850 59607 14745 46065  
00079 78531 44273 23224 08371 07001 94241 73964 80519 29771  
67406 81957 59357  
796 53 00000

**11616/9322 kHz, 06-09, 0400/0420 UTC**

480 135 62  
00793 80395 88439 35070 06649 13539 02282 88968 19810 98762  
30863 71024 60107 21720 09928 72428 20869 10943 66597 26032  
27561 74784 22786 17158 60578 59148 02612 14427 78144 05710  
42260 12798 00237 15313 25714 05994 39493 46232 94811 30517  
90019 01984 07046 48430 10052 88373 39571 61094 59402 44475  
62822 71054 77624 77214 32212 34253 13845 54264 71325 69768  
44183 34915  
135 62 00000

**11616/9322 kHz, 07-09, 0400/0420 UTC**

480 269 57  
60657 99238 33864 86312 23799 05632 02754 32851 54345 84645  
14292 98188 45729 97367 18527 30587 04368 76440 56476 99172  
71089 76957 33363 53871 89534 62220 66172 56915 32473 79057  
78951 53133 21959 02367 44311 71180 04280 53592 94552 72928  
65619 22817 50859 43176 99390 49147 43995 36891 61159 39092  
24943 26145 72100 27620 88918 13953 56940  
269 57 00000

**11616/9322 kHz, 08-09, 0400/0420 UTC**

480 317 65  
10377 08858 24658 41757 48344 64681 78152 03288 37121 68380  
66714 51397 79074 59690 03537 99688 55378 85277 00946 79682  
48129 53064 60722 86200 35994 54211 02809 14636 49331 82474  
80830 32308 95719 05614 57872 51096 91841 68531 40940 93510  
62640 62842 97561 69432 93713 82558 02946 05662 47855 50570  
91149 95502 81701 45619 08685 60550 23408 84442 94000 41867  
97305 58786 31295 62745 06462  
317 65 00000

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

**0400z: Starts with morse (480), voice call ID 2 minutes late, ends after call ID with more morse**

480 526 70  
40050 22945 89409 40584 10281 50669 51007 64146 09365 69525  
47928 89205 73179 62262 85891 79201 68096 81823 09462 31251  
26189 95718 67692 23112 73697 97692 16196 42284 70379 72607  
85313 45666 01745 25495 69125 23221 89829 10696 14896 64087  
20172 22040 17730 48564 92793 30002 50089 14408 48809 76759  
80844 70899 34193 65104 63580 59080 94764 02138 98820 81637  
19324 83688 99863 50845 73115 30392 16925 28007 88814 11361  
526 70 00000

**11616/9322 kHz, 12-09, 0400/0420 UTC**

**0400z: Short test tone at 0354z, long test tone at 0410z, no voice transmission**

480 917 52  
17711 73066 88188 95781 19937 28149 13740 26089 43510 02570  
50542 43256 43461 14616 80728 86437 33028 92763 33078 06539  
76769 84971 48245 86103 58769 43470 21429 46415 86876 89713  
45921 58985 18925 89209 05972 03633 21855 90889 92406 40327  
99684 10724 39441 86987 51270 64254 06116 20434 43783 77751  
50801 42659  
917 52 00000

**11616/9322 kHz, 13-09, 0400/0420 UTC**

480 562 70  
61861 86751 96254 84189 26754 83072 52276 12070 83435 44974  
14696 90966 23143 25783 10859 36193 90388 62783 75801 40978  
16525 13788 78835 28120 71764 85988 11550 08766 52844 43024  
66935 96768 48522 01226 64301 52030 50097 50936 99687 51307  
99124 63887 26447 09875 89543 72532 95695 02524 66369 32301  
11308 57298 88167 02693 79157 20437 45478 08162 55279 15935  
52388 64720 22644 48171 53431 83207 51236 21049 13018 85146  
562 70 00000

**11616/9322 kHz, 14-09, 0400/0420 UTC**

480 371 68  
62548 54915 54026 74370 17062 45433 37288 48629 01042 43522  
92404 16216 42240 82151 30287 37026 41870 51060 92970 62919  
42598 55446 40796 42348 95453 69280 12727 90714 55356 31684  
02006 37388 59940 59815 14324 85313 71374 76696 00704 44165  
85848 77417 82269 22961 40432 82154 09107 93100 71974 49452  
20386 57739 07751 48182 97948 88452 92530 11644 30528 15125  
81762 22223 30817 79992 55553 00061 72538 91790  
371 68 00000

**11616/9322 kHz, 15-09, 0400/0420 UTC**

480 659 43  
13708 30126 18159 90505 50484 53240 64570 50085 52691 19315  
37608 66010 73006 59380 05689 21645 09663 46714 20722 79153  
61550 91072 83024 72808 38487 08801 85624 99267 56351 17259  
80147 15761 71771 27007 31477 82123 36050 30175 53363 07617  
73012 08467 42188  
659 43 (no closing nulls)

**No transmissions on 18, 19, 20, 21 September**

**11616/9322 kHz, 22-09, 0400/0420 UTC**

480 217 56  
62408 89695 75670 97977 20431 56066 19945 37226 84872 13307  
51524 73086 09356 38491 75578 05404 38106 52729 72534 85699  
50676 38519 53584 38475 87228 59930 30365 53324 27827 52809  
34718 27523 24171 77188 49501 63809 07205 49095 36362 53014  
19047 93934 71425 96248 42667 88648 24830 46327 27766 84831  
45048 73121 36269 29987 33925 82520  
217 56 00000

**11616/9322 kHz, 23-09, 0400/0420 UTC**

480 539 61  
79869 23291 69058 86828 73477 86482 29028 48048 92992 83843  
78331 24917 18447 63455 71994 40678 81669 37473 10807 74363  
28174 60295 75916 52478 69373 58389 21713 32201 92311 47721  
06707 74525 19111 99712 67086 30770 33305 41677 62630 90921  
15259 02659 49677 67212 53857 40630 60830 11409 26647 11962  
96091 89212 65633 69128 55103 60239 50895 97559 65195 36992  
99229  
538 61 00000

**11616/9322 kHz, 26-09, 0400/0420 UTC**

480 762 53  
82331 66826 95219 21767 77434 95562 65758 62554 40892 55667  
76426 96993 20428 49301 20777 81586 67269 51244 10850 42240  
64448 19096 21924 66742 82910 42634 53058 76240 32669 68271  
93124 74162 01141 59546 67022 96010 95899 79590 91748 08481  
33996 06501 97020 31332 45051 17561 90140 80441 80310 03256  
69782 55500 44841  
752 53 00000

**11616/9322 kHz, 27-09, 0400/0420 UTC**

480 139 52  
82379 18244 04446 84922 34949 49893 06604 14778 77124 13058  
22826 92718 25094 14827 94298 28357 20343 04787 54772 94523  
22420 32611 87247 54441 63520 14723 26068 15937 38325 77237  
40363 92400 27531 67357 59770 75167 78503 50412 28389 47008  
91508 34727 97885 91430 84933 91517 95703 77460 37962 61990  
29303 24599  
139 52 00000

**11616/9322 kHz, 28-09, 0400/0420 UTC**

480 527 61  
29923 90334 23881 12554 03137 29657 42900 00459 10493 24637  
04028 13280 90897 10023 57041 55165 16343 76997 88990 91998  
44438 29598 75016 49364 26509 18960 18336 55720 44701 22588  
15325 12558 76526 60822 06636 92733 10284 67714 00283 00172  
59799 58469 77646 43508 51924 60672 18321 04080 85215 01459  
04743 02839 83252 67840 92548 95874 91015 82355 57592 53246  
87773  
527 61 00000

**11616/9322 kHz, 29-09, 0400/0420 UTC**

480 631 58  
40113 99878 27960 56756 78250 76144 57022 39846 78200 76436  
51330 26322 38677 86390 74397 85383 38851 42749 89401 05262  
56578 93266 02468 28375 37902 12959 87685 95164 10012 37650  
98553 20070 54843 00726 95536 48064 85513 84059 44421 65191  
92777 19031 65167 61556 53685 98579 35927 70177 19637 86233  
81929 30168 26025 33044 03921 47670 90635 38374  
631 58 00000

**S06c**

**12136 kHz, 19-09, 0645 UTC, i.p.** 11042 (R)

**S11a**

**8597 kHz, 04-09/07-09, 0700 UTC**

471/39 Vnimanije  
67865 49112 08315 22657 98588 28128 87175 62743 77454 65992  
99753 39859 00063 22178 73975 21995 01543 53773 97542 70688  
65867 47782 36252 04123 47069 86751 44913 03238 88461 54682  
78661 93164 67176 87382 59753 26550 20184 03465 96188  
Vnimanije (message repeated) Konets

**21854 kHz, 06-09/08-09, 0725 UTC**

380/36 Vnimanije  
11649 13691 51702 78361 48781 48381 90102 82673 37308 17380  
96156 50462 43007 04603 32910 28691 81049 59058 60704 42468  
81811 95362 11633 23767 94742 89434 56329 92828 88815 29776  
62967 85207 34952 06524 78129 71384  
Vnimanije (message repeated) Konets

**23004 kHz, 11-09/13-09, 0510 UTC**

659/34 Vnimanije  
34920 60323 16570 38140 84444 47171 63757 23422 32397 88752  
05773 85826 69219 24438 04847 23758 83643 18994 38622 89403  
22751 35268 00298 40662 65426 20652 04181 31392 26455 66217  
59420 31897 93743 86896  
Vnimanije (message repeated) Konets

**11420 kHz, 12-09/15-09, 1400 UTC**

420/36 Vnimanije  
84032 34339 21934 43756 26451 88900 16559 67208 02240 86903  
43204 74134 58141 39253 34974 15684 33004 75554 01024 19100  
38406 73720 38465 57101 71406 82632 15938 43034 47094 83436  
39145 55883 44744 84310 86181 79745  
Vnimanije (message repeated) Konets

**6480 kHz, 18-09/22-09, 0815 UTC**

483/38 Vnimanije

17592 81421 97664 17326 23255 26945 42092 13682 06234 61845  
 32792 07954 50212 00654 47800 45579 41922 17269 36821 64050  
 29292 96211 83045 67936 70158 35647 07034 71932 15969 07254  
 31783 40507 08682 68900 91295 72760 34109 16232

Vnimanije (message repeated) Konets

**6433 kHz, 23-09/24-09, 0830 UTC**

376/40 Vnimanije

49983 13790 81805 52421 90256 10474 97119 02939 06507 52062  
 27766 23992 55369 64614 31008 99641 80660 72608 17590 48321  
 27492 04574 18798 96373 43294 84787 58069 55937 22721 35725  
 66369 66147 41475 23635 43181 47750 65226 16928 21018 34696

Vnimanije (message repeated) Konets

**10728 kHz, 26-09/28-09, 0445 UTC**

793/36 Vnimanije

43561 99017 74143 02818 41059 86659 84114 12565 54928 00041  
 23987 22177 68051 56767 52371 56484 13326 70411 64229 08631  
 17911 26912 99534 01108 48468 92163 82183 10255 45021 47327  
 21311 24110 29944 51465 44823 16980

Vnimanije (message repeated) Konets

**10213 kHz, 27-09/30-09, 1850 UTC**

284/34 Vnimanije

76935 63619 02287 01502 54697 13178 16017 24471 00625 55935  
 74318 24260 08696 85739 28748 59261 21392 14014 84365 32072  
 90516 19738 15445 53207 50050 86871 14835 16906 59004 59968  
 75353 32194 33320 00606

Vnimanije (message repeated) Konets

**S25**

This odd one was found by EnryLol. It uses S06 voice samples but it's not S06. It might be S25 because only S25 is known to use such separator groups as 11111, 22222 or 55555, and to pair its 00000 outro group at the end. The familiar TX noise suggests it might have been transmitted from Orenburg. (PY)

**6780 kHz, 19-09**

0532 UTC Carrier for 40s (6779.9 kHz)  
 0535 UTC Intermittent carrier over the next 5 minutes  
 0540 UTC Carrier with TX noise up for the whole session until 061320z  
 0541 UTC 1000Hz test tone  
 0542 UTC 11936 (R3m) 1  
 0546 UTC 11936 (R25s)  
 0552 UTC 1 [17s silence] 1 [26s silence] 11936 (R20s)  
 0559 UTC 1000Hz test tone  
 0600 UTC 11936 (unpaired) 55555 (unpaired) 12345 23456 119-  
 0607 UTC 1000Hz test tone  
 0607 UTC 11936 (unpaired) 55555 (unpaired) 12345 23456 32145 11111 22222 [4s silence] 00000 (paired)  
 0611 UTC 1 23456 22222 33333 -11 1- 23456 (unpaired)  
 0613 UTC Carrier off

**V07****17431 kHz, 10-09, 0200 UTC. Off and restart at 0206z.**

414 414 414 1 360 67 360 67  
 13735 15411 71068 43687 96191 51581 97504 33252 24809 23371  
 25947 46249 43566 70290 27312 30314 13206 35069 73221 90793  
 65023 98106 47280 77671 73956 44304 12370 60464 13840 30194  
 23401 67105 30074 41967 04796 55711 79412 74861 94102 08639  
 69957 19091 52656 38456 03632 79179 61745 31204 89606 56916

25420 90278 01612 21464 08665 87456 19105 82356 85821 87994  
16524 60234 94074 91860 24932 98319 76615 000 000

**17431 kHz, 17-09, 0200 UTC**

414 414 414 1 638 115 638 115  
89477 49808 42536 93087 30841 68950 52906 36374 33962 88351  
70470 68414 73154 74495 16766 86481 99420 96896 73684 72085  
06756 46713 82251 15598 22134 54219 95389 72046 65594 12417  
18059 98191 25179 59326 97923 54059 75051 16297 32486 05894  
45901 75443 56236 74492 06820 22566 71868 22270 21365 47031  
15792 96328 27208 48496 71358 67389 61273 15628 20338 91851  
71682 17489 75571 28815 11838 45567 37504 45044 80749 09004  
70728 59912 38782 71407 67987 87164 49198 48157 81846 99407  
80502 58213 95291 26055 53490 36570 02219 21480 30618 95272  
79773 66986 46001 34809 06093 19959 87004 45180 12000 98969  
10224 07658 29421 23333 20781 87361 89801 20093 18807 54909  
56460 59351 54460 63868 80745 000 000

**17431 kHz, 24-09, 0200 UTC**

414 414 414 1 7358 107 7358 107  
93493 16107 56736 63299 55151 22587 67956 65161 40744 94978  
10528 09314 14266 30872 34581 59253 27138 05716 37000 91193  
14179 96527 20355 63131 35199 19288 41626 26769 29253 00984  
63046 50623 18623 82567 77664 17207 00724 80080 21070 96567  
46254 01582 82968 07255 70943 28747 00683 11059 32210 73591  
81403 97003 69431 69622 72282 24447 91737 38913 17211 19615  
43586 20110 71802 10115 88746 77466 78013 04142 43872 41862  
61080 04271 03225 00070 56188 34045 14496 78925 03361 64110  
58491 67543 28176 72990 15599 05308 00959 40287 39283 66712  
58666 16399 10558 24585 70644 44697 51035 05553 03331 84386  
59706 16789 02356 85255 34909 52743 80349 000 000

**V28 - 앵무새 Aengmusae (Parrot)**

5013.6 kHz, 18-09, 2059 UTC, AM Parrot

**MORSE STATIONS**

**M01**

**6260 kHz, 02-09, 1500 UTC. Started with the wrong id**

025 (R 30sec) 000 EEEEEEE  
463 224 224 30 30 = =  
41090 42090 43090 44090 45090 46090 47090 48090 49090 40090  
51090 52090 53090 54090 55090 56090 57090 58090 59090 50090  
61090 62090 63090 64090 65090 66090 67090 68090 69090 60090  
= = 224 224 30 30 000

**6510 kHz, 03-09, 0700 UTC**

463 891 891 30 30 = =  
12090 13090 11090 14090 15090 16090 17090 18090 19090 10090  
21090 22090 23090 24090 25090 26090 27090 28090 29090 20090  
31090 32090 33080 34090 35090 36090 37090 38090 39090 30090  
= = 891 891 30 30 000

**5475 kHz, 05-09, 1800 UTC**

463 127 127 30 30  
81761 17625 10931 47638 39817 28917 09187 21098 37615 27361  
76984 09187 29817 38176 16515 17625 09187 44091 20918 37611  
54871 22091 12981 47687 59867 60795 70584 39817 57878 19838  
127 127 30 30 000



**5020 kHz, 05-09, 2000 UTC. Errors in red**

463 542 542 30 30  
75645 09187 09167 13245 86904 01981 36251 48712 90187 38712 04836  
76894 6744 31 67431 11092 38716 09176 33716 28176 20916 11094 38717  
87162 22901 30918 39817 98176 30917 38756 79069 44739 87165  
542 542 30 30 000

**6260 kHz, 09-09, 1500 UTC**

463 187 187 30 30 = =  
54739 33890 11098 13245 76154 78901 17615 01818 13241 95746  
65791 33426 54677 07986 67898 12314 06986 46578 45367 38716  
75683 22615 13241 58749 44937 12314 76890 11231 47673 76990  
= = 187 187 30 30 000

**6510 kHz, 10-09, 0700 UTC**

463 = = 431 431 30 30 = =  
43561 33019 11093 28716 23109 65743 40937 38726 59047 33041  
14231 24315 46574 33027 16546 45091 08756 45637 47365 33731  
53426 26716 48736 12314 89509 45367 22091 43721 11654 38917  
= = 431 431 30 30 000

**5475 kHz, 12-09, 1800 UTC**

463 802 802 30 30 = =  
91121 92121 93121 94121 95121 96121 97121 98121 99121 90121  
81121 82121 83121 84121 85121 86121 87121 88121 89121 80121  
71121 72121 73121 74121 75121 76121 77121 78121 79121 70121  
= = 802 802 30 30 000

**5475 kHz, 14-09, 1800 UTC**

463 727 707 30 30 = =  
00066 81050 82055 81903 81750 91773 94851 91047 92850 00308  
91749 71005 91740 02850 80377 02759 00105 82058 01442 81941  
11229 95502 92006 81903 82001 85039 71059 73910 00223 66000  
= = 727 727 30 30 0 0 0

**5020 kHz, 14-09, 2000 UTC. Different repeat in red**

463 481 481 30 30 = =  
00055 21861 40203 67402 85015 81005 92850 81632 71855 56837  
91541 94481 00538 92004 91650 60606 03030 92x71 85339 91004  
85661 92954 81004 95040 81740 82058 71640 92003 85619 55000 555000  
= = 481 481 30 30 0 0 0

**6260 kHz, 16-09, 1500 UTC**

463 417 417 30 30 = =  
54376 32167 89012 54621 78234 45809 12678 34509 32176 43987  
54765 45765 76987 34768 56321 23654 76321 87432 98543 78123  
76432 87456 12678 90456 34789 54123 78456 89345 67234 90678  
= = 417 417 30 30 000

**6510 kHz, 17-09, 0701 UTC**

463 709 709 30 30  
23676 43890 12567 23987 45765 32687 45987 90324 78321 67432  
89034 56123 67098 34654 56721 45789 34321 56754 89765 90432  
56787 12654 89543 67321 64654 89432 45980 90234 56765 78321  
= = 709 709 30 30 000

**5475 kHz, 21-09, 1800 UTC**

483 483 483 30 30 = =  
43561 17615 19176 64736 11091 36271 98165 16514 09171 13414  
54637 13241 98165 15426 18716 17825 16514 97860 58748 09187  
75647 13245 15615 16526 09187 15463 58747 09187 44838 90187  
= = 483 483 30 30 000

**5020 kHz, 21-09, 2000 UTC**

463 483 483 30 30 = =  
43561 17615 09176 64738 11091 36271 98165 16514 89171 13414  
54637 13241 98165 15426 18716 17625 16514 98660 58748 09187  
75647 13245 15615 16526 89187 15483 58749 09187 44838 90188  
= = 483 483 30 30 000

**6260 kHz, 23-09, 1500 UTC**

463 983 983 30 30 = =  
41787 42787 43787 44787 45787 46787 47787 48787 49787 40787  
51787 52787 53787 54787 55787 56787 57787 58787 59787 50787  
61787 62787 63787 64787 65787 66787 67787 68787 69787 60787  
= = 983 983 30 30 000

**6510 kHz, 24-09, 0700 UTC**

463 (R)  
11780 12787 13787 14787 15787 16787 17787 18787 19787 10787  
21787 22787 23787 24787 25787 26787 27787 28787 28787 20787  
31787 32787 32787 34787 35787 36787 37787 38787 39787 30787  
= = 062 062 30 30 000

**5475 kHz, 26-09, 1800 UTC**

463 337 337 30 30 = =  
12312 45645 67867 23423 78978 90909 99887 00988 12312 34534  
78978 90909 98987 67867 67859 89897 90987 45635 23421 55544  
12435 57465 77556 88441 34534 78786 90909 12312 67543 88664  
= = 337 337 30 30 000

**5020 kHz, 26-09, 2000 UTC**

463 759 759 30 30 = =  
13212 34215 67543 09098 98976 98909 00990 44553 12312 65743  
33617 44771 90989 88787 55564 12312 45634 67675 78786 98765  
66574 90909 78596 12312 45453 55663 87876 90909 78675 12312  
= = 759 759 30 30 000

**5475 kHz, 28-09, 1800 UTC**

463 784 784 30 30 = =  
51787 52787 53787 54787 55787 56787 57787 58787 59787 50787  
61787 62787 63787 64787 65787 66787 67787 68787 69787 60787  
71787 72787 73787 74787 75787 76787 77787 78787 79787 70787  
= = 784 784 30 30 000

**5020 kHz, 28-09, 2000 UTC**

463 874 874 30 30 = =  
81787 82787 83787 84787 85787 86787 87787 88787 89787 80787  
91787 92787 93787 94787 95787 96787 97787 98787 99787 90787  
01787 02787 03687 04787 05787 06787 07787 08787 09787 00787  
= = 874 874 30 30 000

**6260 kHz, 30-09, 1500 UTC. Different repeats in red**

463 190 190 30 30 = =  
00054 91966 84829 85610 058100 05810 85562 95001 95847 06960 66755  
88118 95947 00194 92233 85911 058100 05810 99604 33305 00195 88125  
99440 00666 91906 03995 06944 81728 33995 91068 81772 99000  
= = 190 190 30 30 000

## M12

6942/8142/9284 kHz, 0030/0050/0110 UTC

### 6942/8142/9284 kHz, 01-09/05-09/08-09, 0030/0050/0110 UTC

912 912 912 1 5301 114 5301 114  
56359 66021 16677 11230 52430 31594 29358 67556 88437 67904  
15307 08744 05582 64461 62403 38315 35077 74247 44229 29295  
86497 90214 35233 63935 25561 78480 04518 67949 66278 58603  
47563 78167 05558 43268 95899 15009 45588 35468 71611 75185  
41123 98112 24312 38732 66510 92790 77171 82111 46306 66708  
98366 98329 43186 00030 62336 55320 17343 65616 91971 80580  
83417 06624 33733 16102 25465 99478 10318 15656 20646 12735  
95425 15790 71637 37618 84408 82430 49491 19720 54782 23690  
53883 78775 49326 27614 84470 88799 56137 22701 16912 81387  
84320 47636 52879 70238 13908 10721 32745 79138 88975 46029  
05418 41563 02299 57334 86273 59407 39163 81159 47681 96963  
33980 88658 00959 18719 000 000

13367/12167/10567 kHz, 1900/1920/1940 UTC

### 13367/12167/10567 kHz, 01-09, 1900/1920/1940 UTC

315 315 315 1 6422 65 6422 65  
75800 59281 68392 78420 69149 85506 77503 99439 00988 95993  
81917 07067 24859 17382 64319 56538 66089 51479 95998 60916  
61535 92150 20302 52577 71927 39161 04435 55168 57518 76184  
13352 04201 59900 28189 25583 96754 51419 92267 08256 89679  
16910 28801 13985 48864 62736 64414 52903 67539 68262 27651  
36753 95766 32342 68111 93236 43424 66295 56831 62020 96733  
60054 49407 66902 21704 08677 000 000

### 13367/12167/10567 kHz, 13-09/15-09, 1900/1920/1940 UTC

315 315 315 1 2029 87 2029 87  
97805 72336 10983 94774 19583 65820 11049 66014 91058 09246  
84681 88669 10346 70739 06562 62290 36594 28787 65657 09159  
82992 05513 52545 74899 03766 96139 62564 96106 58643 24592  
33550 70586 42721 17584 71892 93346 67595 54346 29640 69519  
47139 65030 34434 80369 44440 72018 84106 32052 92501 37067  
14880 51215 80418 93382 04282 71323 02120 16870 40130 84978  
15752 42333 65563 63742 21920 11593 30910 84083 40329 78575  
01461 43394 37305 91003 13166 33328 95994 32736 40860 80463  
64860 54840 15834 59157 48453 84275 16231 000 000

### 13367/12167/10567 kHz, 27-09/29-09, 1900/1920/1940 UTC

315 315 315 1 644 75 644 75  
37102 70884 59547 24010 54686 98482 21954 46987 02600 86913  
50628 47660 28538 09371 02403 28745 69183 05421 70148 32583  
27843 04268 66945 29829 21745 45960 45947 18213 36580 81479  
54910 96789 85255 58573 80183 45269 77738 96835 83789 39172  
14833 61432 71385 48516 21913 68931 48172 46424 37874 40234  
18544 02181 13005 97421 04431 73810 50154 69885 17680 79305  
95671 20189 40017 88948 11404 80222 52019 35855 88209 04364  
71279 53295 07277 64718 59092 000 000

10831/11531/13431 kHz, 0600/0620/0640 UTC

### 10831/11531/13431 kHz, 02-09/06-09/09-09, 0600/0620/0640 UTC

854 854 854 1 594 111 594 111  
25586 61497 28443 28440 58101 90022 07247 49439 81189 78637  
75028 22888 22583 37110 59981 64852 00953 76410 62422 43111  
41125 48692 04178 67799 62032 88348 36648 48972 15540 92645  
25594 34749 61797 77744 59089 28668 82051 09350 65329 59663

53147 66025 99289 29691 34293 71951 40850 06555 16626 76429  
82805 77071 70076 34345 42039 04737 70132 78436 36850 72883  
17701 13260 42664 63915 05625 32633 44736 42436 22964 08635  
96714 46374 80554 71074 19307 39046 26844 93315 82397 70765  
66724 10337 03302 66012 45445 56944 11522 43977 88575 95434  
24996 16364 01168 77046 43910 91067 57547 83925 80934 93826  
54365 03526 03542 13195 41149 37897 85244 28105 10204 28412  
56320 000 000

**10831/11531/13431 kHz, 20-09/22-09/27-09/30-09, 0600/0620/0640 UTC**

854 854 854 1 207 190 207 190  
47922 37295 92909 25981 31399 47610 07548 43453 36578 93055  
64301 26254 16280 06376 85834 58811 64575 87753 79408 38680  
79994 48140 02803 71938 23332 32149 18467 30383 78148 50946  
89992 80179 61187 56925 20039 78229 38667 84064 35877 25613  
17009 71910 74708 29404 32332 22124 54950 60508 20981 16470  
57044 80165 32809 62434 04930 82082 57276 30178 10988 71460  
51155 96236 19128 26947 89818 10510 23211 04538 70671 62125  
69586 82179 30562 15365 27195 01829 35360 77225 27492 81505  
44637 23982 49005 13727 46597 43428 12381 66342 16061 63658  
00889 34730 16247 92528 93061 85266 32246 52057 18212 14522  
63229 28551 00753 29514 84326 92094 87491 88319 92981 75867  
21463 73313 19539 26403 83054 17401 65869 30155 41112 27260  
34869 16519 75626 44573 07251 60792 30131 02275 30190 66777  
13867 51205 09587 27874 04202 30071 08730 20321 08691 80104  
25037 04148 10550 32968 17047 14513 58531 14899 73646 84135  
41081 73041 75099 61088 68458 56990 96850 77727 38299 46719  
99063 85613 58882 29758 12220 05221 94409 49794 66942 98106  
06427 31964 43130 36347 11010 30949 44726 11983 94491 44766  
86454 42000 92692 68563 32948 97620 81172 86386 23874 61528  
000 000

19546/18446/16346 kHz, 1600/1620/1640 UTC

**19546/18446/16346 kHz, 04-09/07-09, 1600/1620/1640 UTC**

543 543 543 1 2013 93 2013 93  
20516 65739 60640 53271 67879 36782 00665 23925 43490 17171  
38869 86255 09012 47436 16926 48810 81846 98593 17300 50191  
61752 86578 16051 77755 46442 30029 59620 36133 47158 22782  
68369 45738 17064 64504 73715 85109 10241 35546 18708 24824  
89090 65689 29346 53846 19087 59412 01447 01832 87536 77897  
42779 25065 31139 62374 70439 19916 12694 09239 35728 88713  
81886 71216 86998 62801 90679 68018 91532 17773 51213 91067  
68131 77020 38333 05094 03922 88506 22556 55565 68589 27970  
48693 93167 46080 24144 30097 58367 00518 21862 05111 90632  
41952 30959 07127 000 000

**19546/18446/16346 kHz, 11-09/14-09, 1600/1620/1640 UTC**

543 543 543 1 585 77 585 77  
50761 04274 78320 03682 49468 84824 18618 58913 86855 80736  
64057 40600 53801 73258 61434 02658 30595 27043 07508 05181  
08387 62744 86976 28972 41402 60878 53567 92113 54684 92380  
10585 09362 66014 67336 22020 38299 58939 62040 06499 02733  
81379 27403 96263 36699 83169 87026 82332 2E820 31736 54999  
09246 00227 55636 90298 69682 46183 31464 40019 56653 92045  
50545 61769 98874 11947 73485 10112 26736 21477 93425 22127  
78318 65484 89067 08065 77378 21724 53012 000 000

**19546/18446/16346 kHz, 25-09/28-09, 1600/1620/1640 UTC**

543 543 543 1 241 91 241 91  
88895 57120 76513 31079 25717 42094 19975 99313 62641 08187  
84324 23999 90667 34110 38724 61290 72220 18664 57709 97894  
77440 55419 30309 61643 91115 75396 45897 56283 02655 09522

10794 41524 62235 69233 71337 23903 12523 77710 68719 21571  
27175 45302 35387 67453 11337 41236 13141 21649 10606 87909  
18721 51285 31763 22245 09637 22533 59653 69356 35866 28302  
81940 96707 87114 04199 88756 53405 63164 51139 69747 34984  
82144 43994 41433 73618 51897 13237 47873 64001 92124 48008  
30273 22924 16746 99094 85998 11369 93384 48755 36321 16124  
57780 000 000

11109/10309/9209 kHz, 2000/2020/2040 UTC

**11109/10309/9209 kHz, 04-09/07-09, 2000/2020/2040 UTC**

385 385 385 1 7170 135 7170 135  
11728 77745 12801 87366 82033 77361 61880 08261 24384 10222  
49753 30307 18774 91444 02514 90408 96931 18294 01979 99881  
38474 36295 05139 50426 45863 29134 88161 49144 46395 24686  
54601 25118 64175 82714 71364 27461 39419 24654 35491 78003  
63300 49229 54853 48744 92910 03984 65888 51487 96879 20611  
14407 73317 27552 46064 64381 75820 77308 20788 42394 61298  
53745 92685 92194 62644 09918 17834 22704 95060 63569 93293  
89595 20910 81471 37808 33525 24030 56611 56803 38903 19613  
78430 86771 03984 68960 99416 90588 81592 21535 52668 24071  
21890 85781 36776 46046 39897 82499 55655 10871 85329 16844  
27063 96102 12220 41786 53240 02846 12129 77799 35789 70008  
55336 40874 64626 51579 67021 58128 46798 68003 05008 29201  
32070 74527 10450 30646 39872 95112 42998 22575 37838 90061  
94004 25777 59116 71214 56649 000 000

**11109/10309/9209 kHz, 21-09, 2000/2020/2040 UTC**

385 385 385 1 577 83 577 83  
35409 96766 50260 90256 07784 55997 20611 31114 23376 92886  
90741 40715 97417 97414 96472 11637 55043 85582 30056 35790  
98489 98968 45171 55772 34298 47154 14499 77723 48349 25255  
75282 04289 17318 82787 89755 58087 33712 18559 04987 66728  
13062 80256 58188 84459 93106 22698 33108 57512 49874 83763  
65670 23336 51667 00377 70211 08508 67043 24182 13831 55171  
84516 55147 00465 04960 97208 19752 57772 74412 09867 94322  
24042 11171 40442 96070 75427 44388 77113 30484 34314 48566  
19688 45098 96132 000 000

**11109/10309/9209 kHz, 25-09/28-09, 2000/2020/2040 UTC**

385 385 385 1 8784 119 8784 119  
90279 00972 16438 65801 17058 07176 65730 66934 20979 15227  
92408 56765 32264 47427 69631 98046 04597 18924 52251 38988  
40922 62908 32437 75943 72139 91719 58491 94716 43221 48683  
60889 55624 79108 31664 58074 78709 10741 46286 10748 03801  
17077 12019 29455 27247 24162 16351 07023 86045 40636 51168  
67843 59409 86546 93307 23413 51107 69271 23981 45010 84027  
44715 87314 58594 30141 17264 40874 69111 35785 34455 38617  
52551 50294 93644 07889 07015 87043 79298 38624 37215 55413  
45597 21715 76199 76613 83417 09823 38538 26432 78253 05837  
48364 98103 42257 64292 94377 51476 82359 54696 49475 06183  
88315 71585 06689 90496 82815 52329 15023 84569 85155 98428  
45330 20665 13831 55787 35727 56868 52689 43699 27690 000 000

14927/13927/12227 kHz, 1600/1620/1640 UTC

**14927/13927/12227 kHz, 06-09/10-09/13-09/17-09, 1600/1620/1640 UTC**

992 992 992 1 611 159 611 159  
44541 29890 63934 76562 69761 44574 59149 52327 74478 64095  
16427 60845 14567 98164 62919 29051 52983 26228 49281 47202  
81758 57665 56914 59900 17080 89582 18740 84966 89064 07316  
32551 19466 85888 85806 07031 19933 36706 96515 60361 52523  
76786 42020 28723 44006 44206 45794 60946 18064 78568 58824

58769 35496 97930 69224 82245 66839 71678 02133 56849 10072  
57528 87345 16163 13274 01023 67160 94228 00086 67733 69109  
21246 38908 93194 73712 65909 59784 74316 82230 71276 49342  
70460 76348 07418 20884 55105 63261 77656 89682 63620 95529  
25543 95796 04673 69000 28405 03137 04132 95961 14188 77979  
85631 78894 42068 79357 83536 10848 28773 96034 49315 11535  
94207 51271 49640 63415 04453 01150 45100 43282 64537 87046  
59795 30276 48350 99742 44416 40469 13926 05789 10614 65768  
26121 54601 45015 88081 50824 96444 60897 08409 83756 03306  
92935 76272 28720 05185 07758 38345 39251 04907 57091 08232  
01854 51702 42183 85945 47879 86040 11515 58769 89926 000 000

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

**13386/12189/11491 kHz, 07-09, 1110/1130/1150 UTC**

725 725 725 1 7631 94 7631 94  
43627 68723 63541 42495 02119 29585 05357 48415 40002 97492  
11064 22534 62873 10967 67230 01090 54663 94615 23169 21371  
87816 48664 01539 16134 63815 25548 88371 86409 07074 07878  
59924 48763 82282 28810 51143 83164 46862 88036 99860 85221  
29763 48596 17019 24656 47451 53545 30942 49137 02164 18778  
49657 44157 03132 18584 22376 16709 76861 43377 07567 71743  
32825 15895 86169 44528 75804 47708 09375 58500 85329 36862  
26455 84781 48705 82314 69520 21510 78008 34817 00686 97371  
02716 31243 78583 58941 34233 53661 58809 41822 22380 24840  
17857 60470 05637 89589 000 000

**13386/12189/11491 kHz, 21-09, 1110/1130/1150 UTC**

725 725 725 1 2458 90 2458 90  
18305 63962 13021 64851 68350 75153 61469 94552 90109 28791  
34273 24707 11336 09421 18322 57357 88239 19627 46570 76749  
24479 51957 41129 39034 13247 53625 90964 43434 99143 34287  
76498 91904 14798 42584 94685 11713 01847 25984 24483 41169  
19338 30536 84864 06225 82631 50750 90022 07464 20516 85842  
88810 92013 32936 83534 31682 86563 91332 11913 76221 00258  
59498 61081 27483 18615 63406 68472 83977 97345 90000 02399  
13191 15421 77363 97614 45256 62396 45470 42966 32028 17361  
26255 61535 81560 22568 67040 14964 88774 82914 36607 27446  
000 000

**13386/12189/11491 kHz, 28-09, 1110/1130/1150 UTC**

725 725 725 1 9740 93 9740 93  
69360 73991 16724 18520 03480 81331 88434 34170 20828 03541  
10392 25551 50682 21481 76728 04190 56919 84501 79664 13005  
88624 42012 83545 91583 76373 80176 63132 69674 64383 43105  
08168 15996 40245 41229 95737 32549 48126 82550 19700 51928  
20915 50884 89591 69086 26727 97731 23257 49061 73601 24793  
61155 62636 73461 56027 79368 89605 50865 12691 12604 49096  
53516 67477 66580 64400 29015 43214 98749 15639 38924 56707  
94983 63362 35238 78198 18117 49870 75144 49902 81016 75646  
65816 13819 64654 73883 89169 98059 82403 27972 00705 35468  
37707 73116 33310 000 000

7961/6861/5861 kHz, 2100/2120/2140 UTC

**7961/6861/5861 kHz, 08-09/09-09, 2100/2120/2140 UTC**

988 988 988 1 1150 120 1150 120  
87909 75353 98569 08867 90700 52526 33188 80616 13559 74614  
78095 85869 59095 65974 56117 72738 73586 53553 93892 71345  
61312 47161 50500 18591 41332 97850 70731 55978 40008 53688  
07241 92942 86920 97044 46510 08746 85360 31460 00494 93313  
64535 84757 49125 36460 35095 62693 05650 63703 94078 52490

26895 98620 86528 07654 62567 92122 72278 54767 70802 06873  
86747 40063 41003 53440 09585 49965 30498 81802 24594 22123  
94467 57382 94036 45817 79992 25195 75381 96720 02834 46650  
90525 94572 29824 77656 63938 68653 42349 11486 59888 18657  
73000 40909 29922 60219 33851 44888 79045 39177 42025 07506  
20687 14927 90367 98500 99580 17913 85707 85728 72429 65531  
18200 53792 33487 71366 14231 96956 93835 59079 98746 34696  
000 000

**7961/6861/5861 kHz, 15-09/16-09/22-09/23-09/30-09, 2100/2120/2140 UTC**

988 988 988 1 3936 140 3936 140  
39782 70097 13063 55529 29774 87936 58250 31185 07428 94736  
98739 97731 06803 92960 93440 60620 99837 17923 74597 27934  
97872 87205 92760 40481 06015 53295 84727 66079 47319 90049  
54326 22207 27069 88056 72937 01729 65170 48827 24698 43751  
27047 98279 13412 17557 16401 61180 33891 75553 63999 62531  
52073 39753 60430 06920 55413 46346 66884 45793 73016 69309  
35042 46578 50515 14418 25344 31508 60828 38601 59484 51258  
97682 56447 86791 44518 30795 16913 68230 97347 81418 60825  
98049 91947 41698 04950 09840 21230 36542 21046 56646 55866  
49402 92054 91260 59255 44155 21086 51042 83278 37728 44533  
83793 15766 40655 61021 61514 37079 80149 46780 00780 66543  
85618 68800 63792 79392 78151 88173 57829 38003 01550 64137  
23263 60456 91272 84463 37675 25319 96107 52801 53282 94436  
15520 36996 32029 20054 77115 75906 42812 55380 67256 96430  
000 000

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

**11435/10598/9327 kHz, 09-09, 1800/1820/1840 UTC**

938 938 938 1 4777 72 4777 72  
86480 39916 39432 71006 24559 79224 38150 23738 64044 39752  
17030 40882 47672 57830 43629 73115 81602 68755 14814 98319  
60457 80742 08734 30646 69378 04589 99019 77124 60334 36560  
81943 76667 14942 17636 69300 55935 30970 70581 00440 11813  
50194 98947 17314 45234 01716 54998 47899 26031 91110 37305  
68563 33939 48952 48311 84824 90612 70832 52266 96646 01596  
53287 19214 37801 40636 15751 18454 74647 48950 59012 27622  
04224 95766 000 000

**11435/10598/9327 kHz, 16-09, 1800/1820/1840 UTC**

938 938 938 1 5264 71 5264 71  
39682 63044 80949 84281 24420 55278 25076 62662 26395 48137  
12159 84386 01252 29173 58568 50575 74997 94578 19701 13772  
46391 36464 79529 61382 84492 60557 22751 00974 39830 13504  
99944 02465 20991 42119 51549 95081 35507 23200 86321 20915  
91319 74555 51552 75818 19100 88326 85821 11419 87745 70704  
71834 00300 80396 92330 60710 31643 81389 77571 07300 74886  
47397 73621 83972 77408 26520 86603 83889 17401 30362 68683  
99794 000 000

**11435/10598/9327 kHz, 23-09, 1800/1820/1840 UTC**

938 938 938 1 1773 74 1773 74  
04501 47863 91119 94822 65521 58818 27872 37036 34307 41093  
23827 59295 58680 23386 13458 21446 48986 98607 35170 57505  
17122 88234 35721 79711 47313 52743 46395 76668 05254 87863  
50480 43096 51890 61873 12131 84874 74018 42580 35702 87257  
79121 29061 95348 11615 45969 55113 11297 82795 51861 82210  
70192 19435 78930 72370 83660 36251 33905 00375 88447 05163  
69401 33499 56922 48879 68521 09283 11614 38982 66480 18213  
83767 73281 31557 30879 000 000

**11435/10598/9327 kHz, 30-09, 1800/1820/1840 UTC**

938 938 938 1 4139 72 4139 72  
29164 80178 35716 15785 55644 70524 22814 79875 13814 21520  
81017 72727 74935 17669 27033 16591 54326 17737 41507 74553  
55937 10675 07711 21673 99394 01056 70965 05945 04077 64485  
57824 52086 99108 97151 62223 49527 66201 92720 75175 03987  
92968 35699 66800 37198 60943 11462 19648 36527 46824 17072  
32090 83426 21968 60316 61914 02602 40648 98640 02355 27147  
03815 22950 56492 15588 73916 48362 31121 02486 69134 37333  
72350 74651 000 000

10830/11530 kHz, 0600/0620 UTC

**10830/11530 kHz, 02-09, 0600/0620 UTC**

854 854 854 1 594 111 594 111  
25586 61497 28443 28440 58101 90022 07247 59539 81189 78637  
75028 22888 22583 37110 59981 64852 00953 76410 62422 43111  
41125 48692 04178 67799 62032 88348 36648 48972 15540 92645  
25594 34749 61797 77744 59089 28668 82051 09350 65329 59663  
53147 66025 99289 29691 34293 71951 40840 06555 16626 76429  
82805 77071 70076 34345 42039 04737 70132 78436 36850 72883  
17701 13260 42664 63915 05625 32633 44736 42436 22964 08635  
96714 46374 80554 71074 19307 39046 26844 93315 82397 70765  
66724 10337 03302 66012 45045 56944 11522 43977 88575 95434  
24996 16364 01168 77046 43910 91067 57547 83925 80934 93826  
54365 03526 03542 13195 41149 37897 85244 28105 10204 28412  
56320 000 000

15937/14537 kHz, 0320/0340 UTC

**15937/14537 kHz, 05-09, 0320/0340 UTC**

495 495 495 1 325 134 325 134  
74204 54435 81406 16078 41708 56026 44628 72870 37564 99290  
35641 83414 61073 12983 48803 00245 91766 05609 41870 33340  
32853 31344 71729 95604 70368 51205 88440 05409 19012 93109  
41847 85426 93148 31689 84016 92911 66675 34061 35864 16204  
64973 11134 02277 77753 08134 68477 69887 36071 13283 54989  
39051 48900 54685 98764 28658 21696 74202 78371 73438 76859  
66131 83425 41606 79129 66792 47466 36855 81965 15398 05130  
77177 86608 44614 70653 31386 09911 23777 75819 20920 73838  
39168 52766 06575 29542 46251 45314 66435 47287 31370 49147  
04589 70309 73157 26850 90839 67627 99625 72841 26401 31820  
68010 73004 67729 54068 42118 37160 50016 25025 43336 77202  
49194 87373 26940 85930 21793 75221 46799 24948 78582 33416  
66725 10142 26792 34161 61333 28754 11267 80471 94334 80646  
10317 67733 40170 85880 000 000

**M14**

Test transmissions

**11073 kHz, 06-09, 1950 UTC**

352 (R3m30s) [32s silence]  
352 (R23s) 489 6 [8s silence]  
352 (R1m05s) 489 489 60 60 = =  
91807 ... 31981 [56s silence]  
352 (R20s) [15s silence]  
3 [20s silence]  
352 (R1m13s) [8s silence]  
352 (R2m40s) 489 489 60 60 = =  
91807 98910 66747 ... 66637 42006 43479  
489 489 60 60 = = 00000 outro separator in the wrong place



**11073 kHz, 16-09, 1224 UTC.** Fast beeps

**11073 kHz, 16-09, 1225 UTC**

352 (R4m) 741 741 32 32 = =  
82793 23342 79783 34434 14534 97562 91663 13640 89190 61925  
58632 22993 52150 75961 16314 05428 17186 79015 88840 93697  
83487 19167 52231 20989 57487 06081 17386 29677 65395 17473  
81160 20420  
= = 741 741 32 32 00000

**11073 kHz, 23-09, 1146 UTC.** Fast beeps then carrier for a few seconds

**11073 kHz, 23-09, 1200 UTC.** 352 (R4m) 614 37 = 53485 ... 51492 = 614 37 00000

**11073 kHz, 30-09, 1215 UTC**

352 789 33 789 33 = =  
27305 57761 01125 11900 54003 19219 19627 17466 31368 78046  
90488 49868 91347 30193 49376 10144 54689 08179 78115 08514  
30518 47741 80654 58029 28122 15514 66212 59053 98135 83678  
65795 92072 45296  
= = 789 789 33 33 00000

Regular schedules
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**12211/10243 kHz, 01-09, 0500/0520 UTC**

952 816 816 57 57 = =  
24853 85017 26152 11754 56116 68311 49287 19639 51021 92410  
78493 13421 79692 39552 58042 54867 27992 99182 10820 11705  
76031 54252 38565 02558 41619 92219 45640 59567 12093 57953  
72277 38368 12966 90710 48238 30119 86825 12390 02813 55271  
80926 59237 92110 43765 66909 74200 29573 31333 41089 02110  
30642 26608 78745 54886 07532 28726 40854  
= = 816 816 57 57 00000

**12211 kHz, 04-09, 0500 UTC**

952 387 387 64 64 = =  
85948 85948 85991 81868 36384 93622 73156 12749 21419 48814  
83475 57538 18292 32471 71566 13729 11412 26383 20085 38123  
77441 52116 03142 07691 08335 79963 99819 problems, off,  
back after 59 sec. 88 19552 13845 03846 02409 42441 25794 18988  
94475 81340 96998 77981 01447 62042 58929 25739 60743 10978  
15399 14607 75486 25673 38583 03195 02365 82797 53021 95131  
39194 44754 12296 41215  
= = 387 387 64 64 00000

**10243 kHz, 04-09, 0520 UTC**

952 387 387 64 64 = =  
85948 85991 81868 36384 93622 73156 12749 21419 48814 83475  
57538 18292 32471 71566 13729 11412 26383 20085 38123 77441  
52116 03142 07691 08335 79963 99819 30916 86820 00111 18733  
14320 37765 73188 19552 13845 03846 02409 42441 25794 18988  
94475 81340 96998 77981 01447 62042 58929 25739 60743 10978  
15399 14607 75486 25673 38583 03195 02365 82797 53021 95131  
39194 44754 12296 41215  
= = 387 387 64 64 00000

**12211 kHz, 05-09, 0500 UTC**

952 (R4) Problems after 4 min. Off

**10243 kHz, 05-09, 0520 UTC**

952 641 641 59 59 = =  
70744 48662 09739 03536 94493 83693 49414 40039 45286 67227  
55863 20760 14219 53263 66627 46172 42495 17028 78920 82690  
38922 61227 74598 56268 91648 93474 01086 25784 78827 98361  
25447 22144 07894 52581 03792 64047 38138 56571 33192 86347

66273 81080 78317 41957 79677 52132 89956 63211 06996 22790  
57623 93649 20795 05185 63432 26151 71960 61231 2943  
= = 641 641 59 59 (no closing nulls)

**12211 kHz, 06-09, 0501 UTC. 952 (R) Off after 4 mins. Back at 0507z  
10243 kHz, 06-09, 0520 UTC**

952 378 378 52 52 = =  
67191 38721 08518 86719 91244 43481 87899 27080 37936 39565  
72382 24384 71861 10965 61969 53920 20809 28331 43487 92663  
58880 83344 56175 15995 33858 44276 63244 24209 43485 56179  
46565 84749 90375 34139 66701 01092 70208 23036 55456 44236  
72922 22248 33126 07731 01582 98725 67649 72164 38604 36894  
17840 90077  
= = 378 378 52 52 00000

**12211/10243 kHz, 07-09, 0500/0523 UTC**

952 614 614 58 58 = =  
34732 28817 22113 51034 73186 23461 56306 72468 60735 03222  
65896 77761 91008 59090 94970 08034 48005 78011 88099 10318  
62862 70542 47353 16438 76992 30242 48026 15337 72494 29494  
36479 36058 55790 81434 58550 83552 05421 22690 91972 94509  
19940 96594 81232 05390 26846 41592 98300 49859 38482 14493  
77690 27798 65850 03283 99259 13085 26269 09181  
= = 614 614 58 58 00000

**12211/10243 kHz, 08-09, 0500/0523 UTC**

952 837 837 59 59 = =  
60844 45372 87796 58632 30315 21005 84592 21991 75154 41202  
44399 09178 22093 81984 34119 63674 08333 03355 98761 10497  
33831 54491 06159 73547 16814 95050 72254 95803 63445 87282  
40395 29518 87601 38621 13061 88630 41670 99459 59477 80571  
44330 45784 47542 59654 16238 01363 73509 69227 59562 79166  
87858 64791 42307 46723 40799 35255 73350 45078 95834  
= = 837 837 59 59 00000

**12211/10243 kHz, 11-09, 0500/0523 UTC**

952 164 164 52 52 = =  
14516 19326 25728 40014 00511 61612 51738 08110 56874 51288  
81490 74183 26066 52575 70737 65228 59128 76138 25016 45027  
30528 47016 08083 00116 86683 41027 92642 37159 51622 06708  
39298 21450 38205 15645 14658 11202 38356 06459 84543 67335  
90731 17808 43231 43434 49268 24428 64667 85572 01048 20296  
86593 96686  
= = 164 164 52 52 00000

**12211/10243 kHz, 12-09, 0500/0523 UTC**

952 873 873 56 56 = =  
03951 41866 52406 79096 53330 07531 14315 55288 61180 49485  
78918 59004 15968 68046 12720 22349 51148 70119 23366 24151  
38863 81422 39518 83091 24355 62324 08803 41175 12047 81986  
87250 04709 39217 30487 18690 34998 98210 73628 27514 05934  
93121 80100 73262 70659 41888 75699 40459 04451 59732 04285  
62144 16404 84885 00159 00530 45891  
= = 873 873 56 56 00000

**12211/10243 kHz,13-09, 0500/0523 UTC**

952 616 616 52 52 = =  
89262 67664 80133 20115 73795 04101 55294 85424 10891 57450  
37101 48165 85214 92623 32991 38949 51972 71365 55273 12274  
23376 28346 20347 41338 86463 03996 31599 21308 13193 38755  
69442 23234 48775 58451 36911 05797 89151 05467 34267 87076  
83579 95395 61041 47521 23247 03882 68963 88321 01863 13314  
14192 86351  
= = 616 616 52 52 00000

**12211 kHz, 14-09, 0500 UTC. Carrier only**

**10243 kHz, 14-09, 0520 UTC**

952 834 834 65 65 = =  
40591 76259 71223 36900 83266 48495 84028 45674 83989 01909  
27722 85462 80448 26381 33917 00339 98063 49278 15777 12833  
08059 94568 07390 39555 99308 10805 47380 27999 56141 28873  
11449 37986 59280 35476 23521 16172 52126 73277 00200 37049  
39554 03633 08205 08908 11414 92867 39493 68156 07937 08023  
33731 10475 69210 33008 02831 32210 35930 41108 37214 80469  
93611 84771 98508 35342 77437  
= = 834 834 65 65 00000

**12211 kHz, 15-09, 0500 UTC**

**10243 kHz, 15-09, 0520 UTC. Off in group 35**

952 716 716 53 53 = =  
58844 87758 22436 99317 90978 59378 46131 99974 76140 49570  
93906 97442 29003 04383 34166 99549 92709 34269 68661 37482  
10342 65713 59383 44026 34984 84759 14937 29175 26439 14613  
47322 07783 08262 94515 35059 58954 83481 52086 53606 21870  
32443 86288 58995 57714 41219 03246 35626 32309 34028 72068  
44162 99836 84759  
= = 716 716 53 53 00000

**No transmissions heard on 18, 19, 20, 21 September.**

**12211/10243 kHz, 22-09, 0500/0523 UTC**

952 438 438 51 51 = =  
07847 02533 35433 86471 45272 36930 06557 51745 89733 98822  
59558 62461 11993 54202 60302 02510 79332 53625 07258 67631  
62416 85240 90354 28442 94187 88057 51106 99815 60515 23918  
36197 77547 27263 31590 61706 28240 33471 11429 30168 43348  
05342 14044 67650 93327 70707 31405 73041 42809 78678 13829  
96731  
= = 438 438 51 51 00000

**12211/10243 kHz, 25-09, 0500/0520 UTC**

952 761 761 58 58 = =  
41575 17279 02275 99231 66769 57620 99563 82219 57680  
58338 65515 81510 90387 46000 38808 94678 48633 93686  
31699 92259 06360 52431 80967 41230 88859 75723 64194  
55150 67227 10520 48557 06901 65802 53193 64337 64954  
87281 93865 20320 39127 85199 97550 03272 46725 38459  
95557 28695 35059 07602 85580 35033 21223 77495 63917  
38523 35113 16150 38260  
= = 761 761 58 58 00000

**12211 kHz, 26-09, 0500 UTC**

**10243 kHz, 26-09, 0520 UTC. Inverted morse. Back to normal at 0525z.**

952 847 847 56 56 = =  
68769 86689 61940 87656 94625 01811 26412 52693 24922 37355  
16945 31805 64707 17479 23815 98888 71136 41293 84360 24514  
91368 91168 18218 20792 30663 91902 16932 58215 80320 69213  
30156 65404 60182 80980 15626 47709 55371 19682 45082 85589  
51950 09458 83345 98720 01201 46242 82713 86758 67199 54396  
59890 82703 37383 58283 47609 79797  
= = 847 847 56 56 00000

**12211 kHz, 27-09, 0500 UTC. Not heard**

**10243 kHz, 27-09, 0520 UTC**

952 631 631 54 54 = =  
68426 25102 04521 77538 25906 27307 73074 25426 78331 91397  
88416 01873 85711 86348 15024 02285 65182 73390 11858 60511  
56179 75656 99352 77525 32593 82697 00718 21691 72833 44538

30992 67788 23734 34976 32294 67010 19253 88813 78696 65089  
39886 42688 99170 10766 23748 34218 92035 21775 65246 39126  
29341 00535 62292 51047  
= = 631 631 54 54 00000

**12211 kHz, 28-09, 0500 UTC. Inverted morse. Normal at 0502z.**

**10243 kHz, 28-09, 0520 UTC**

952 404 404 52 52 = =  
67140 45018 78006 00302 20463 99190 79915 31404 15294 27643  
82258 86383 20877 80782 32936 59121 53475 49162 05989 01138  
52308 11969 87744 71099 20834 12155 96269 50825 00550 94183  
13815 26240 69489 65298 36924 56703 82628 66269 73917 81154  
96363 62551 44420 34516 44263 91783 60632 72782 56275 28581  
95022 30241  
= = 404 404 52 52 00000

**12211 kHz, 29-09, 0500 UTC**

**10243 kHz, 29-09, 0520 UTC. Off for 9 secs during group 13.**

952 867 867 51 51 = =  
41706 13341 10545 85023 91123 72309 67443 92959 13942 31677  
38614 60226 06082 65065 37262 53318 77335 83035 99179 41107  
96651 28248 02291 11342 68370 25407 60132 56771 56607 71929  
18938 79342 99971 80268 13029 85892 83801 07845 58193 73789  
62102 35505 87735 29951 46385 80454 60898 91675 03589 54598  
98327  
= = 867 867 51 51 00000

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

**6911.5 kHz, 13-09, 1323 UTC. Logged by SOB.**

=991623??8?????	=16333310349523	=11467831201323	=11468831756223	=991624??8?????	=16333310344824
=11467831706824	=11468831759624	=991625??8?????	=16333310343625	=26333801010903	=11467821706125
=21467801040900	=991626??8?????	=11468831759925	=21468801040933	=16333310343926	

## **M22**

**6607 kHz, 10-09, 2330 UTC. Logged by R2GBA.**

AR AR  
PW7C 762 TO NR 172 QQL = =  
JX5L NR 672 DQ GR91 = =  
JX5L NR 572 DQ GR81 = =  
JX5L NR 472 DQ GR71 = =  
JX5L NR 372 DQ GR61 = =  
JX5L NR 272 DQ GR51 = =  
PW7C NR 762 TO NR 172 QQL = =  
JX5L NR 672 DQ GR91 = =  
JX5L NR 572 DQ GR81 = =  
JX5L NR 472 DQ GR71 = =  
JX5L NR 372 DQ GR61 = =  
JX5L NR 272 DQ GR51 = =  
PW7C NR 762 TO NR 172 QQL = =  
JX5L NR 672 DQ GR91 = =  
JX5L NR 572 DQ GR81 = =  
JX5L NR 472 DQ GR71 = =  
JX5L NR 372 DQ GR61 = =  
JX5L NR 272 DQ GR51 = =  
PW7C NR 762 TO NR 172 QQL = =

VVV DE 4XZ 4XZ = =

AR AR

NW QTC 1 NR672 = =  
NR 672 DQ V RN1H 902201 JX5L GR91 = =  
JLJLJ UFGLI YYTDH SSUJY MTXDH TPBXF GAABB CSMPM JGPHQ DQRDO  
JQJSG NWNNUC TGQWR HDHSX MEQZG IKLDA SFCKQ UIBQZ UFGLI = =  
NR 672 DQ V RN1H 902201 JX5L GR91 = =  
JLJLJ UFGLI YYTDH SSUJY MTXDH TPBXF GAABB CSMPM JGPHQ DQRDO  
JQJSG NWNNUC TGQWR HDHSX MEQZG IKLDA SFCKQ UIBQZ UFGLI = =  
NR 672 DQ V RN1H 902201 JX5L GR91 = =  
AR AR

VVV DE 4XZ 4XZ = =  
VVV DE 4XZ 4XZ = =

AR AR  
NW QTC 1 NR672 = =  
NR 572 DQ V RN1H 802201 JX5L GR81 = =  
JLJLJ CTWBS KTFCK DHOXH AGNEX IJILD LTPNS RRCZT DLWNR BQFDS  
XJIUD WQGUA PTHYR BNEQC QKORH IHXNI SMAGM CTWBS = =  
NR 572 DQ V RN1H 802201 JX5L GR81 = =  
JLJLJ CTWBS KTFCK DHOXH AGNEX IJILD LTPNS RRCZT DLWNR BQFDS  
XJIUD WQGUA PTHYR BNEQC QKORH IHXNI SMAGM CTWBS = =  
NR 572 DQ V RN1H 802201 JX5L GR81 = =  
AR AR

VVV DE 4XZ 4XZ = =  
VVV DE 4XZ 4XZ = =

AR AR  
NW QTC 1 NR 472 = =  
NR 572 DQ V RN1H 802201 JX5L GR71 = =  
JLJLJ YUFNJ EBAPF TLUDQ QJZAN WRPCY ROFPH LJIGX MCDKQ OMFYO  
AZSUK JTLRW PGEHB BYSZH BNJJE YFJCL YUFNJ = =  
NR 572 DQ V RN1H 802201 JX5L GR71 = =  
JLJLJ YUFNJ EBAPF TLUDQ QJZAN WRPCY ROFPH LJIGX MCDKQ OMFYO  
AZSUK JTLRW PGEHB BYSZH BNJJE YFJCL YUFNJ = =  
NR 572 DQ V RN1H 802201 JX5L GR71 = =  
AR AR

VVV DE 4XZ 4XZ = =  
VVV DE 4XZ 4XZ = =

AR AR  
NW QTC 1 NR 372 = =  
NR 372 DQ V RN1H 702201 JX5L GR61 = =  
JLJLJ XDNLG LHUWA WMFKI ZCQLO MWGOJ RLJAH OQLXU YHEJN AMDQJ  
PEKNP AMDHC DHCIO RLUCM XPYNU XDNLG = =  
NR 372 DQ V RN1H 702201 JX5L GR61 = =  
JLJLJ XDNLG LHUWA WMFKI ZCQLO MWGOJ RLJAH OQLXU YHEJN AMDQJ  
PEKNP AMDHC DHCIO RLUCM XPYNU XDNLG = =  
NR 372 DQ V RN1H 702201 JX5L GR61 = =  
AR AR

VVV DE 4XZ 4XZ = =  
VVV DE 4XZ 4XZ = =  
AR AR

NW QTC 1 NR 272 = =  
NR 272 DQ V RN1H 602201 JX5L GR51 = =  
JLJLJ TZNCA IQFHZ KRBNB XCZFT IDXDX LSFJT CKNLN NRBXH BYCIZ  
IHURT PNLIS OASZB OGGHZ TZNCA = =  
NR 272 DQ V RN1H 602201 JX5L GR51 = =  
JLJLJ TZNCA IQFHZ KRBNB XCZFT IDXDX LSFJT CKNLN NRBXH BYCIZ  
IHURT PNLIS OASZB OGGHZ TZNCA = =

NR 272 DQ V RN1H 602201 JX5L GR51 = =  
AR AR

VVV DE 4XZ 4XZ = =  
VVV DE 4XZ 4XZ = =

## M23

M23 was active during the first 18 days of September.

5345 kHz, 01-09/12-09, hh00 MY (1x)  
5345 kHz, 01-09/12-09, hh15 MY (1x)  
5345 kHz, 01-09/12-09, hh30 MY (1x)  
5345 kHz, 01-09/12-09, hh45 MY (1x)

5345 kHz, 01-09/18-09, 0157 UTC ST3 (R20m)  
10381 kHz, 01-09/18-09, 0557 UTC ST3 (R20m)  
20456 kHz, 01-09/18-09, 0957 UTC ST3 (R20m)

5345 kHz, 01-09/18-09, 0257 UTC Time beep  
5345 kHz, 01-09/18-09, 0357 UTC Time beep  
5345 kHz, 01-09/18-09, 0457 UTC Time beep

11530 kHz, 01-09/18-09, 1357 UTC OSS (R20m)

6937 kHz, 01-09/18-09, 1757 UTC S1S (R15m)  
4822 kHz, 01-09/18-09, 1957 UTC S1S (R15m)

MY was sent 24/7 on 5345 kHz at hh00, hh15, hh30, hh45. Their clock was running fast resulting in mixed transmissions like this one: 5345 kHz, 07-09, 0457 UTC: MY mixing with the time beep

## UM04 - PROMRCh

### 4735 kHz, 01-09, 0700 UTC

VVV VVV PROMRCh = 01 09 =  
1000 0830 0870 0980 1350  
1200 0870 0900 1000 1340  
1400 0900 0920 1030 1380  
1600 0880 0910 1020 1380  
1800 0860 0900 1010 1380  
2000 0940 0970 1080 1450  
2200 0790 0810 0880 1140  
0000 0660 0680 0740 0950  
0200 0620 0630 0690 0880  
0400 0580 0590 0650 0840  
0600 0560 0580 0660 0920  
0800 0760 0790 0910 1280  
= ABV

VVV VVV PROMRCh = 01 09 =

1000 0830 0870 0980 1350  
1200 0870 0900 1000 1340  
1400 0900 0920 1030 1380  
1600 0880 0910 1020 1380  
1800 0860 0900 1010 1380  
2000 0940 0970 1080 1450  
2200 0790 0810 0880 1140  
0000 0660 0680 0740 0950  
0200 0620 0630 0690 0880  
0400 0580 0590 0650 0840  
0600 0560 0580 0660 0920  
0800 0760 0790 0910 1280  
= AR

### 4735 kHz, 02-09, 0700 UTC

VVV PROMRCh = 02 09 =  
Too weak to copy

### 4735 kHz, 03-09, 0701 UTC

VVV VVV PROMRCh = 0309 =  
1000 0840 0870 0990 1360  
1200 0880 0900 1010 1360  
1400 0910 0930 1040 1900  
1600 0880 0910 1020 1390  
1800 0870 0900 1020 1390  
2000 0930 0960 1070 1440  
2200 0780 0800 0870 1130  
0000 0650 0660 0730 0950  
0200 0610 0620 0680 0870  
0400 0570 0580 0640 0830  
0600 0550 0570 0640 0870  
0800 0760 0800 0910 1280  
= ABV =

VVV VVV PROMRCh = 0309 =

1000 0840 0870 0990 1360  
1200 0880 0900 1010 1360  
1400 0910 0930 1040 1900  
1600 0880 0910 1020 1390  
1800 0870 0900 1020 1390  
2000 0930 0960 1070 1440  
2200 0780 0800 0870 1130  
0000 0650 0660 0730 0950  
0200 0610 0620 0680 0870  
0400 0570 0580 0640 0830  
0600 0550 0570 0640 0870  
0800 0760 0800 0910 1280  
= AR

### 4735 kHz, 04-09, 0700 UTC

VVV VVV PROMRCh = 04 09 =  
1000 0850 0880 1000 1370  
1200 0890 0920 1020 1380  
1400 0920 0950 1050 1410  
1600 0890 0920 1030 1400  
1800 0870 0900 1020 1400  
2000 0930 0960 1060 1430  
2200 0770 0790 0870 1120  
0000 0650 0670 0730 0940  
0200 0610 0620 0680 0860  
0400 0570 0580 0640 0830  
0600 0550 0570 0640 0870  
0800 0760 0800 0920 1280  
= ABV

VVV VVV PROMRCh = 04 09 =

1000 0850 0880 1000 1370  
1200 0890 0920 1020 1380  
1400 0920 0950 1050 1410  
1600 0890 0920 1030 1400  
1800 0870 0900 1020 1400  
2000 0930 0960 1060 1430  
2200 0770 0790 0870 1120  
0000 0650 0670 0730 0940  
0200 0610 0620 0680 0860  
0400 0570 0580 0640 0830  
0600 0550 0570 0640 0870  
0800 0760 0800 0920 1280  
= AR

**4735 kHz, 05-09, 0700 UTC**

VVV VVV PROMRCh = 05 09 =  
1000 0850 0880 1000 1380  
1200 0890 0920 1020 1390  
1400 0920 0940 1050 1410  
1600 0880 0910 1020 1390  
1800 0860 0900 1010 1400  
2000 0910 0940 1050 1410  
2200 0760 0770 0850 1110  
0000 0640 0650 0710 0920  
0200 0600 0620 0670 0860  
0400 0560 0570 0630 0820  
0600 0540 0560 0630 0860  
0800 0760 0800 0920 1300  
= ABV

VVV VVV PROMRCh = 05 09 =  
1000 0850 0880 1000 1380  
1200 0890 0920 1020 1390  
1400 0920 0940 1050 1410  
1600 0880 0910 1020 1390  
1800 0860 0900 1010 1400  
2000 0910 0940 1050 1410  
2200 0760 0770 0850 1110  
0000 0640 0650 0710 0920  
0200 0600 0620 0670 0860  
0400 0560 0570 0630 0820  
0600 0540 0560 0630 0860  
0800 0760 0800 0920 1300  
= AR

**4375 kHz, 09-09, 0700 UTC**

VVV VVV PROMRCh = 09 09 =  
1000 0850 0880 1010 1400  
1200 0900 0920 1040 1410  
1400 0920 0940 1060 1430  
1600 0880 0910 1020 1400  
1800 0870 0910 1030 1430  
2000 0890 0920 1030 1390  
2200 0720 0740 0820 1070  
0000 0610 0620 0680 0880  
0200 0570 0580 0640 0820  
0400 0530 0550 0600 0780  
0600 0520 0540 0620 0840  
0800 0760 0790 0920 1300  
= ABV

VVV VVV PROMRCh = 09 09 =  
1000 0850 0880 1010 1400  
1200 0900 0920 1040 1410  
1400 0920 0940 1060 1430  
1600 0880 0910 1020 1400  
1800 0870 0910 1030 1430  
2000 0890 0920 1030 1390  
2200 0720 0740 0820 1070  
0000 0610 0620 0680 0880  
0200 0570 0580 0640 0820  
0400 0530 0550 0600 0780  
0600 0520 0540 0620 0840  
0800 0760 0790 0920 1300  
= AR

**4735 kHz, 06-09, 0700 UTC**

VVV VVV PROMRCh = 06 09 =  
1000 0850 0880 1000 1390  
1200 0900 0920 1030 1390  
1400 0920 0940 1050 1420  
1600 0880 0910 1020 1390  
1800 0860 0900 1020 1400  
2000 0910 0930 1040 1410  
2200 0740 0760 0840 1100  
0000 0630 0640 0700 0910  
0200 0590 0600 0660 0840  
0400 0550 0560 0620 0800  
0600 0540 0550 0630 0860  
0800 0760 0790 0920 1290  
= ABV

VVV VVV PROMRCh = 06 09 =  
1000 0850 0880 1000 1390  
1200 0900 0920 1030 1390  
1400 0920 0940 1050 1420  
1600 0880 0910 1020 1390  
1800 0860 0900 1020 1400  
2000 0910 0930 1040 1410  
2200 0740 0760 0840 1100  
0000 0630 0640 0700 0910  
0200 0590 0600 0660 0840  
0400 0550 0560 0620 0800  
0600 0540 0550 0630 0860  
0800 0760 0790 0920 1290  
= AR

**4375 kHz, 10-09, 0700 UTC**

VVV VVV PROMRCh = 10 09 =  
1000 0850 0890 1010 1410  
1200 0900 0930 1040 1420  
1400 0920 0950 1060 1440  
1600 0880 0910 1030 1410  
1800 0880 0920 1040 1440  
2000 0890 0920 1020 1370  
2200 0710 0730 0810 1070  
0000 0610 0620 0680 0880  
0200 0570 0580 0630 0810  
0400 0530 0540 0600 0780  
0600 0520 0540 0610 0840  
0800 0750 0790 0920 1300  
= ABV

VVV VVV PROMRCh = 10 09 =  
1000 0850 0890 1010 1410  
1200 0900 0930 1040 1420  
1400 0920 0950 1060 1440  
1600 0880 0910 1030 1410  
1800 0880 0920 1040 1440  
2000 0890 0920 1020 1370  
2200 0710 0730 0810 1070  
0000 0610 0620 0680 0880  
0200 0570 0580 0630 0810  
0400 0530 0540 0600 0780  
0600 0520 0540 0610 0840  
0800 0750 0790 0920 1300  
= AR 000

**4735 kHz, 07-09, 0700 UTC**

VVVVV PROMRCh = 07 09 =  
1000 0850 0880 1000 1390  
1200 0900 0920 1040 1390  
1400 0920 0940 1050 1420  
1600 0880 0910 1020 1390  
1800 0860 0900 1020 1400  
2000 0900 0930 1040 1400  
2200 0740 0760 0840 1090  
0000 0620 0640 0700 0900  
0200 0580 0590 0650 0830  
0400 0540 0560 0610 0800  
0600 0530 0550 0630 0850  
0800 0760 0800 0920 1290  
= ABV

VVVVV PROMRCh = 07 09 =  
1000 0850 0880 1000 1390  
1200 0900 0920 1040 1390  
1400 0920 0940 1050 1420  
1600 0880 0910 1020 1390  
1800 0860 0900 1020 1400  
2000 0900 0930 1040 1400  
2200 0740 0760 0840 1090  
0000 0620 0640 0700 0900  
0200 0580 0590 0650 0830  
0400 0540 0560 0610 0800  
0600 0530 0550 0630 0850  
0800 0760 0800 0920 1290  
= AR

**4375 kHz, 11-09, 0700 UTC**

VVV VVV PROMRCh = 11 09 =  
1000 0850 0880 1010 1410  
1200 0900 0920 1040 1420  
1400 0920 0950 1070 1440  
1600 0890 0920 1040 1420  
1800 0890 0920 1050 1460  
2000 0880 0910 1020 1370  
2200 0710 0730 0810 1060  
0000 0600 0620 0680 0870  
0200 0560 0570 0630 0810  
0400 0530 0540 0590 0780  
0600 0520 0540 0610 0840  
0800 0750 0790 0920 1300  
= ABV

VVV VVV PROMRCh = 11 09 =  
1000 0850 0880 1010 1410  
1200 0900 0920 1040 1420  
1400 0920 0950 1070 1440  
1600 0890 0920 1040 1420  
1800 0890 0920 1050 1460  
2000 0880 0910 1020 1370  
2200 0710 0730 0810 1060  
0000 0600 0620 0680 0870  
0200 0560 0570 0630 0810  
0400 0530 0540 0590 0780  
0600 0520 0540 0610 0840  
0800 0750 0790 0920 1300  
= AR

**4375 kHz, 08-09, 0700 UTC**

VVV VVV PROMRCh = 08 09 =  
1000 0840 0880 1000 1390  
1200 0890 0920 1030 1390  
1400 0910 0940 1050 1420  
1600 0870 0900 1020 1400  
1800 0860 0900 1020 1410  
2000 0890 0920 1030 1390  
2200 0730 0750 0830 1080  
0000 0620 0630 0690 0890  
0200 0580 0590 0650 0830  
0400 0540 0550 0610 0790  
0600 0530 0550 0620 0850  
0800 0750 0790 0920 1290  
= ABV

VVV VVV PROMRCh = 08 09 =  
1000 0840 0880 1000 1390  
1200 0890 0920 1030 1390  
1400 0910 0940 1050 1420  
1600 0870 0900 1020 1400  
1800 0860 0900 1020 1410  
2000 0890 0920 1030 1390  
2200 0730 0750 0830 1080  
0000 0620 0630 0690 0890  
0200 0580 0590 0650 0830  
0400 0540 0550 0610 0790  
0600 0530 0550 0620 0850  
0800 0750 0790 0920 1290  
= AR

**4735 kHz, 12-09, 0700 UTC.**

Ver weak.The first part was unreadable. The repeat was partly readable.

VVV VVV PROMRCh = 12 09 =  
1000 0850 0880 1020 1420  
1200 \_\_\_\_ 0900 0930 1430  
1400 \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_  
2000 \_\_\_\_ \_\_\_\_ 1020 1370  
2200 0700 0720 0790 1050  
0000 0600 0610 0670 0870  
0200 0 \_\_\_\_ 0620 0810  
0400 0520 0540 0590 \_\_\_\_  
0600 0520 0540 0610 0830  
0800 0750 0790 09 \_\_\_\_  
= AR

**4375 kHz, 13-09, 0700 UTC**

VVV VVV PROMRCh = 13 09 =  
 1000 0760 0890 1020 1430  
 1200 0910 0940 1060 1440  
 1400 0930 0970 1080 1470  
 1600 0900 0930 1060 1050  
 1800 0910 0940 1070 1500  
 2000 0880 0900 1010 1360  
 2200 0690 0710 0790 1050  
 0000 0600 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0770  
 0600 0520 0530 0610 0830  
 0800 0760 0800 0930 1320  
 = ABV

VVV VVV PROMRCh = 13 09 =  
 1000 0760 0890 1020 1430  
 1200 0910 0940 1060 1440  
 1400 0930 0970 1080 1470  
 1600 0900 0930 1060 1050  
 1800 0910 0940 1070 1500  
 2000 0880 0900 1010 1360  
 2200 0690 0710 0790 1050  
 0000 0600 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0770  
 0600 0520 0530 0610 0830  
 0800 0760 0800 0930 1320  
 = AR

**4735 kHz, 17-09, 0700 UTC**

VVV VVV PROMRCh = 17 09 =  
 1000 0860 0900 1040 1450  
 1200 0920 0950 1080 1480  
 1400 0940 0980 1100 1510  
 1600 0910 0940 1070 1470  
 1800 0930 0970 1110 1530  
 2000 0850 0870 0970 1320  
 2200 0660 0680 0750 1000  
 0000 0580 0590 0650 0840  
 0200 0550 0560 0610 0790  
 0400 0510 0520 0580 0750  
 0600 0510 0530 0600 0820  
 0800 0750 0790 0930 1330  
 = ABV

VVV VVV PROMRCh = 17 09 =  
 1000 0860 0900 1040 1450  
 1200 0920 0950 1080 1480  
 1400 0940 0980 1100 1510  
 1600 0910 0940 1070 1470  
 1800 0930 0970 1110 1530  
 2000 0850 0870 0970 1320  
 2200 0660 0680 0750 1000  
 0000 0580 0590 0650 0840  
 0200 0550 0560 0610 0790  
 0400 0510 0520 0580 0750  
 0600 0510 0530 0600 0820  
 0800 0750 0790 0930 1330  
 = AR

**4375 kHz, 14-09, 0700 UTC**

VVV VVV PROMRCh = 14 09 =  
 1000 0860 0890 1020 1430  
 1200 0910 0940 1060 1440  
 1400 0930 0970 1080 1470  
 1600 0900 0930 1060 1050  
 1800 0910 0940 1070 1500  
 2000 0880 0900 1010 1360  
 2200 0690 0710 0790 1050  
 0000 0600 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0770  
 0600 0520 0530 0610 0830  
 0800 0760 0800 0930 1320  
 = ABV

VVV VVV PROMRCh = 14 09 =  
 1000 0860 0890 1020 1430  
 1200 0910 0940 1060 1440  
 1400 0930 0970 1080 1470  
 1600 0900 0930 1060 1050  
 1800 0910 0940 1070 1500  
 2000 0880 0900 1010 1360  
 2200 0690 0710 0790 1050  
 0000 0600 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0770  
 0600 0520 0530 0610 0830  
 0800 0760 0800 0930 1320  
 = AR

**4735 kHz, 18-09, 0700 UTC**

VVVVV PROMRCh = 1809 =  
 1000 0870 0910 1050 1470  
 1200 0930 0960 1090 1490  
 1400 0950 0990 1110 1520  
 1600 0910 0950 1070 1480  
 1800 0930 0970 1110 1550  
 2000 0840 0870 0980 1310  
 2200 0660 0670 0750 0990  
 0000 0580 0590 0650 0840  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0500 0520 0540 0810  
 1800 0760 0800 0930 1340  
 = ABV

VVVVV PROMRCh = 1809 =  
 1000 0870 0910 1050 1470  
 1200 0930 0960 1090 1490  
 1400 0950 0990 1110 1520  
 1600 0910 0950 1070 1480  
 1800 0930 0970 1110 1550  
 2000 0840 0870 0980 1310  
 2200 0660 0670 0750 0990  
 0000 0580 0590 0650 0840  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0500 0520 0540 0810  
 1800 0760 0800 0930 1340  
 = AR

**4375 kHz, 15-09, 0700 UTC**

VVV VVV PROMRCh = 15 09 =  
 1000 0850 0890 1020 1430  
 1200 0910 0940 1070 1460  
 1400 0940 0970 1090 1490  
 1600 0910 0940 1060 1460  
 1800 0920 0960 1100 1520  
 2000 0860 0890 1000 1340  
 2200 0680 0700 0770 1020  
 0000 0590 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0760  
 0600 0510 0530 0600 0830  
 0800 0750 0790 0930 1320  
 = ABV

VVV VVV PROMRCh = 15 09 =  
 1000 0850 0890 1020 1430  
 1200 0910 0940 1070 1460  
 1400 0940 0970 1090 1490  
 1600 0910 0940 1060 1460  
 1800 0920 0960 1100 1520  
 2000 0860 0890 1000 1340  
 2200 0680 0700 0770 1020  
 0000 0590 0610 0670 0860  
 0200 0560 0570 0620 0800  
 0400 0520 0530 0590 0760  
 0600 0510 0530 0600 0830  
 0800 0750 0790 0930 1320  
 = AR

**4735 kHz, 19-09, 0700 UTC**

VVVVV PROMRCh = 19 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1500  
 1400 0960 0990 1120 1530  
 1600 0910 0950 1080 1490  
 1800 0930 0980 1120 1560  
 2000 0840 0860 0960 1300  
 2200 0650 0670 0740 0980  
 0000 0580 0590 0650 0980  
 0200 0540 0550 0600 0780  
 0400 0500 0520 0570 0750  
 0600 0500 0520 0590 0810  
 0800 0760 0800 0940 1340  
 = ABV

VVVVV PROMRCh = 19 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1500  
 1400 0960 0990 1120 1530  
 1600 0910 0950 1080 1490  
 1800 0930 0980 1120 1560  
 2000 0840 0860 0960 1300  
 2200 0650 0670 0740 0980  
 0000 0580 0590 0650 0980  
 0200 0540 0550 0600 0780  
 0400 0500 0520 0570 0750  
 0600 0500 0520 0590 0810  
 0800 0760 0800 0940 1340  
 = AR

**4375 kHz, 16-09, 0700 UTC**

VVV VVV PROMRCh = 16 09 =  
 1000 0860 0900 1040 1450  
 1200 0920 0950 1080 1470  
 1400 0940 0970 1100 1500  
 1600 0900 0940 1060 1460  
 1800 0920 0960 1100 1530  
 2000 0860 0880 0990 1330  
 2200 0670 0690 0760 1010  
 0000 0590 0600 0660 0850  
 0200 0550 0560 0620 0800  
 0400 0510 0530 0580 0760  
 0600 0510 0530 0600 0820  
 0800 0760 0800 0930 1330  
 = ABV

VVV VVV PROMRCh = 16 09 =  
 1000 0860 0900 1040 1450  
 1200 0920 0950 1080 1470  
 1400 0940 0970 1100 1500  
 1600 0900 0940 1060 1460  
 1800 0920 0960 1100 1530  
 2000 0860 0880 0990 1330  
 2200 0670 0690 0760 1010  
 0000 0590 0600 0660 0850  
 0200 0550 0560 0620 0800  
 0400 0510 0530 0580 0760  
 0600 0510 0530 0600 0820  
 0800 0760 0800 0930 1330  
 = AR

**4375 kHz, 20-09, 0700 UTC**

VVV VVV PROMRCh = 20 09 =  
 1000 0880 0920 1060 1410  
 1200 0930 0970 1100 1520  
 1400 0960 0990 1120 1540  
 1600 0920 0960 1090 1500  
 1800 0940 0980 1130 1570  
 2000 0830 0860 0960 1300  
 2200 0650 0670 0740 0980  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0500 0520 0590 0810  
 0800 0760 0800 0940 1350  
 = ABV

VVV VVV PROMRCh = 20 09 =  
 1000 0880 0920 1060 1410  
 1200 0930 0970 1100 1520  
 1400 0960 0990 1120 1540  
 1600 0920 0960 1090 1500  
 1800 0940 0980 1130 1570  
 2000 0830 0860 0960 1300  
 2200 0650 0670 0740 0980  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0500 0520 0590 0810  
 0800 0760 0800 0940 1350  
 = AR



**4375 kHz, 21-09, 0700 UTC**

VVV VVV PROMRCh = 21 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1510  
 1400 0960 1000 1130 1550  
 1600 0920 0960 1090 1510  
 1800 0950 0990 1140 1590  
 2000 0830 0860 0960 1290  
 2200 0640 0660 0730 0960  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0500 0520 0580 0750  
 0600 0500 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = ABV

VVV VVV PROMRCh = 21 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1510  
 1400 0960 1000 1130 1550  
 1600 0920 0960 1090 1510  
 1800 0950 0990 1140 1590  
 2000 0830 0860 0960 1290  
 2200 0640 0660 0730 0960  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0500 0520 0580 0750  
 0600 0500 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = AR

**4735 kHz, 25-09, 0700 UTC**

VVV VVV PROMRCh = 25 09 =  
 1000 0880 0910 1060 1490  
 1200 0940 0970 1110 1520  
 1400 0980 1020 1150 1570  
 1600 0950 0980 1120 1540  
 1800 0980 1020 1160 1620  
 2000 0830 0860 0960 1290  
 2200 0640 0660 0730 0960  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0930 1330  
 = ABV

VVV VVV PROMRCh = 25 09 =  
 1000 0880 0910 1060 1490  
 1200 0940 0970 1110 1520  
 1400 0980 1020 1150 1570  
 1600 0950 0980 1120 1540  
 1800 0980 1020 1160 1620  
 2000 0830 0860 0960 1290  
 2200 0640 0660 0730 0960  
 0000 0580 0590 0650 0830  
 0200 0540 0550 0610 0780  
 0400 0510 0520 0570 0750  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0930 1330  
 = AR

**4735 kHz, 22-09, 0700 UTC**

VVV VVV PROMRCh = 22 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1510  
 1400 0970 1000 1130 1550  
 1600 0920 0960 1090 1510  
 1800 0950 0990 1140 1590  
 2000 0830 0850 0950 1290  
 2200 0640 0660 0730 0960  
 0000 0570 0590 0640 0820  
 0200 0540 0550 0600 0780  
 0400 0500 0510 0570 0740  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0930 1340  
 = ABV

VVV VVV PROMRCh = 22 09 =  
 1000 0870 0910 1050 1480  
 1200 0930 0970 1100 1510  
 1400 0970 1000 1130 1550  
 1600 0920 0960 1090 1510  
 1800 0950 0990 1140 1590  
 2000 0830 0850 0950 1290  
 2200 0640 0660 0730 0960  
 0000 0570 0590 0640 0820  
 0200 0540 0550 0600 0780  
 0400 0500 0510 0570 0740  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0930 1340  
 = AR

**4735 kHz, 26-09, 0702 UTC**

VVVVV PROMRCh= 2609 =  
 1000 0880 0920 1060 1500  
 1200 0950 0980 1120 1530  
 1400 0990 1020 1150 1580  
 1600 0950 0990 1120 1550  
 1800 0980 1020 1160 1630  
 2000 0830 0850 0960 1290  
 2200 0630 0650 0720 0960  
 0000 0580 0590 0650 0830  
 0200 0550 0560 0610 0790  
 0400 0510 0530 0580 0760  
 0600 0490 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = ABV

VVVVV PROMRCh = 2609 =  
 1000 0880 0920 1060 1500  
 1200 0950 0980 1120 1530  
 1400 0990 1020 1150 1580  
 1600 0950 0990 1120 1550  
 1800 0980 1020 1160 1630  
 2000 0830 0850 0960 1290  
 2200 0630 0650 0720 0960  
 0000 0580 0590 0650 0830  
 0200 0550 0560 0610 0790  
 0400 0510 0530 0580 0760  
 0600 0490 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = AR

**4735 kHz, 23-09, 0700 UTC**

VVVVV PROMRCh = 2309 =  
 1000 0860 0900 1040 1470  
 1200 0920 0950 1090 1510  
 1400 0960 1000 1130 1550  
 1600 0920 0950 1090 1510  
 1800 0960 1000 1140 1600  
 2000 0820 0850 0960 1290  
 2200 0630 0650 0720 0960  
 0000 0570 0580 0640 0820  
 0200 0540 0550 0600 0770  
 0400 0500 0510 0560 0740  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0920 1330  
 = ABV

VVVVV PROMRCh = 2309 =  
 1000 0860 0900 1040 1470  
 1200 0920 0950 1090 1510  
 1400 0960 1000 1130 1550  
 1600 0920 0950 1090 1510  
 1800 0960 1000 1140 1600  
 2000 0820 0850 0960 1290  
 2200 0630 0650 0720 0960  
 0000 0570 0580 0640 0820  
 0200 0540 0550 0600 0770  
 0400 0500 0510 0560 0740  
 0600 0490 0510 0580 0800  
 0800 0740 0780 0920 1330  
 = AR

**4735 kHz, 24-09, 0701 UTC**

VVV VVV PROMRCh = 24 09 =  
 1000 0860 0900 1040 1480  
 1200 0930 0960 1090 1510  
 1400 0970 1000 1140 1560  
 1600 0930 0970 1100 1520  
 1800 0970 1010 1150 1610  
 2000 0830 0850 0950 1290  
 2200 0640 0660 0730 0960  
 0000 0570 0580 0640 0830  
 0200 0540 0550 0600 0780  
 0400 0500 0520 0570 0740  
 0600 0490 0510 0580 0790  
 0800 0740 0780 0920 1330  
 = ABV

VVV VVV PROMRCh = 24 09 =  
 1000 0860 0900 1040 1480  
 1200 0930 0960 1090 1510  
 1400 0970 1000 1140 1560  
 1600 0930 0970 1100 1520  
 1800 0970 1010 1150 1610  
 2000 0830 0850 0950 1290  
 2200 0640 0660 0730 0960  
 0000 0570 0580 0640 0830  
 0200 0540 0550 0600 0780  
 0400 0500 0520 0570 0740  
 0600 0490 0510 0580 0790  
 0800 0740 0780 0920 1330  
 = AR

**4375 kHz, 27-09, 0700 UTC**

VVV VVV PROMRCh = 27 09 =  
 1000 0890 0930 1070 1510  
 1200 0960 0990 1120 1540  
 1400 1000 1030 1160 1590  
 1600 0960 1000 1130 1560  
 1800 0990 1030 1170 1640  
 2000 0820 0850 0950 1290  
 2200 0630 0650 0720 0950  
 0000 0570 0590 0640 0820  
 0200 0540 0560 0610 0780  
 0400 0510 0520 0580 0750  
 0600 0490 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = ABV

VVV VVV PROMRCh = 27 09 =  
 1000 0890 0930 1070 1510  
 1200 0960 0990 1120 1540  
 1400 1000 1030 1160 1590  
 1600 0960 1000 1130 1560  
 1800 0990 1030 1170 1640  
 2000 0820 0850 0950 1290  
 2200 0630 0650 0720 0950  
 0000 0570 0590 0640 0820  
 0200 0540 0560 0610 0780  
 0400 0510 0520 0580 0750  
 0600 0490 0510 0580 0800  
 0800 0750 0790 0930 1340  
 = AR

**4357 kHz, 28-09, 0700 UTC**

VVVVV PROMRCh = 28 09 =  
1000 0890 0930 1070 1510  
1200 0960 0990 1130 1540  
1400 1000 1040 1170 1590  
1600 0970 1000 1140 1560  
1800 0990 1030 1170 1630  
2000 0820 0840 0950 1280  
2200 0630 0650 0720 0950  
0000 0580 0590 0640 0830  
0200 0540 0550 0610 0780  
0400 0510 0520 0570 0750  
0600 0490 0510 0580 0790  
0800 0750 0790 0930 1330  
= ABV =  
VVVVV PROMRCh = 28 09 =  
1000 0890 0930 1070 1510  
1200 0960 0990 1130 1540  
1400 1000 1040 1170 1590  
1600 0970 1000 1140 1560  
1800 0990 1030 1170 1630  
2000 0820 0840 0950 1280  
2200 0630 0650 0720 0950  
0000 0580 0590 0640 0830  
0200 0540 0550 0610 0780  
0400 0510 0520 0570 0750  
0600 0490 0510 0580 0790  
0800 0750 0790 0930 1330  
= AR

**4735 kHz, 29-09, 0700 UTC**

VVV VVV PROMRCh = 29 09 =  
1000 0900 0940 1080 1510  
1200 0970 1000 1130 1560  
1400 1010 1040 1180 1630  
1600 0970 1010 1140 1560  
1800 0990 1030 1180 1630  
2000 0810 0840 0950 1270  
2200 0630 0640 0720 0950  
0000 0580 0590 0650 0830  
0200 0540 0560 0610 0780  
0400 0510 0520 0580 0750  
0600 0490 0510 0580 0790  
0800 0750 0790 0930 1340  
= ABV  
VVV VVV PROMRCh = 29 09 =  
1000 0900 0940 1080 1510  
1200 0970 1000 1130 1560  
1400 1010 1040 1180 1630  
1600 0970 1010 1140 1560  
1800 0990 1030 1180 1630  
2000 0810 0840 0950 1270  
2200 0630 0640 0720 0950  
0000 0580 0590 0650 0830  
0200 0540 0560 0610 0780  
0400 0510 0520 0580 0750  
0600 0490 0510 0580 0790  
0800 0750 0790 0930 1340  
= AR

**4375 kHz, 30-09, 0700 UTC**

VVVVV PROMRCh = 3009 =  
1000 0900 0940 1080 0510  
1200 0970 1000 1140 1550  
1400 1010 1040 1170 1600  
1600 0970 1000 1140 1560  
1800 0980 1030 1170 1640  
2000 0810 0840 0940 1270  
2200 0620 0640 0710 0940  
0000 0570 0580 0640 0820  
0200 0540 0560 0610 0780  
0400 0510 0520 0580 0750  
0600 0480 0500 0570 0790  
0800 0740 0780 0920 1330  
= ABV  
VVVVV PROMRCh = 3009 =  
1000 0900 0940 1080 0510  
1200 0970 1000 1140 1550  
1400 1010 1040 1170 1600  
1600 0970 1000 1140 1560  
1800 0980 1030 1170 1640  
2000 0810 0840 0940 1270  
2200 0620 0640 0710 0940  
0000 0570 0580 0640 0820  
0200 0540 0560 0610 0780  
0400 0510 0520 0580 0750  
0600 0480 0500 0570 0790  
0800 0740 0780 0920 1330  
= AR

**DIGITAL MODES**

**Russian Government networks (including intelligence agencies, domestic and international nets) . Designators F01, F06, F06a, M42, M42b**

F01 – FSK 200/500 via Cuba

**13467/11084/9052 kHz, 06-09, 1840/1850/1900 UTC**  
Null message: 5761 00000 +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

**9128/7546/5113 kHz, 01-09, 1015/1025/1035 UTC**  
Null message: 5761 00000 +++++ +++++

**9128/7546/5113 kHz, 04-09, 1015/1025/1035 UTC**  
55422 84721 22357 98082 98750 58809 00232 25718 33624 43517  
09744 74536 40928 80743 22765 90774 61284 95845 52282 45405  
54716 89697 81451 23126 64315 50769 92738 11828 82342 79415  
58099 97242 42221 41550 76132 92455 84835 93916 67139 56963  
72589 48111 62039 84975 49649 65580 46058 67640 71828 00747  
43149 58880 54524 34482 52070 99537 12168 65086 70063 79495  
87609 48983 65057 42485 94892 08303 82358 63250 23828 47558  
96740 51769 79839 46574 45886 64203 57490 21890 06113 25286  
71139 73793 96324 91813 91168 61199 21119 11940 59208 71533  
88991 59965 80808 77835 66584 51289 18989 00251 54893 67241  
37099 14107 98396 44448 64444 71755 63028 08448 83089 30374  
43932 56230 59301 02914 88946 17384 68053 74376 48739 48552  
84036 50614 89550 40869 37610 31829 29464 45080 59127 27977  
84151 44015 60089 58248 33033 27126 24538 01816 41775 46749  
09151 92044 02083 60800 75461 71345 74712 91586 02648 48856

46638 55407 54317 28148 38328 42656 97747 97133 22043 53092  
98987 97377 37115 15973 42296 14979 13138 49743 47313 60229  
36997 40960 82438 28229 24693 47141 97832 57642 83883 53226  
26483 29791 78086 36350 26777 75263 28477 18584 65017 80231  
14232 12374 61312 09662 57325 88325 47282 89609 02761 20051  
09029 15784 30127 85747 13781 80564 57453 31205 43685 35668  
23284 23923 85150 32648 57913 53038 47203 08406 79712 54725  
07280 07917 77501 67786 07904 61349 64888 49099 52672 57763  
17516 03614 75003 82577 29161 08589 78068 11001 47617 36760  
69356 74601 76300 08108 38309 43206 52514 24943 50447 89328  
38309 69963 56455 27297 84888 72003 39629 44275 56470 69130  
50152 65373 24577 23806 99619 20022 68656 69774 14253 01804  
44000 95384 70244 38930 02881 93023 59674 17556 79844 29346  
60423 25101 77108 15997 08527 05790 10988 85510 96417 45584  
05302 02070 45473 28689 42682 61818 26324 32842 09734 62407  
25349 55546 96981 46473 80807 88458 39537 48727 37028 82102  
09425 01343 90105 68102 95510 77332 23543 31129 31961 76605  
57262 47735 61175 84379 58446 34269 42132 56652 87620 71073  
40077 12403 78435 95117 58502 37229 74570 78300 99342 28087  
72213 33560 62336 33841 41535 16026 19482 71294 25610 11359  
25530 21400 40215 28499 50446 35335 22946 38988 44790 05121  
05083 30065 73932 78488 04653 63719 82065 22668 64119 58882  
71933 66784 81136 38959 11222 77561 05812 11877 01548 48016  
02902 74835 70978 03818 02395 60959 76031 57022 86909 70028  
24081 61850 89339 50480 52106 52206 99201 24863 22736 65621  
01100 75944 23508 83312 93765 35641 80289 41036 63099 43973  
20797 69411 00000 +++++

**9128/7546/5113 kHz, 05-09, 1015/1025/1035 UTC**

05470 30745 60901 80397 95596 55918 82792 86689 94741 07544  
07820 83322 20449 74095 57126 44933 65513 92577 55854 72792  
89093 97816 48322 14449 33695 01139 60180 18241 16469 40632  
18469 77356 68277 70181 65531 43134 18933 79453 27707 12289  
52079 62033 24751 17748 78133 73888 30910 77793 98732 49353  
23600 83188 61124 66825 80613 26979 25932 81346 11809 06666  
96735 66274 36196 53414 84917 31221 40384 68019 08185 08447  
79305 68277 46229 24903 05164 77490 01951 02=98 35545 08753  
41687 50993 96620 24744 12884 54103 02395 77681 62641 51984  
55915 70091 00000 00000 00000 00000 00000 00000 00000 00000

00152 25976 63708 90460 14897 16562 77807 51078 89993 59014  
59576 80803 09727 46702 10605 36290 75893 56263 27336 41037  
87412 64393 78769 42660 70418 17078 46376 81192 63538 74705  
43397 54366 88020 81492 55736 90797 57429 32666 71615 67021  
06562 37838 92189 29311 44303 04004 40303 06223 60086 86610  
09583 22796 38661 82134 21046 52359 62844 60587 79418 66856  
08947 61413 46348 71665 64567 01194 72694 71067 00000 +++++  
+++++

**9128/7546/5113 kHz, 06-09, 1015/1025/1035 UTC**

56568 06653 78686 91473 66283 58575 55728 67229 14885 36161  
43777 44325 65764 23326 72264 94110 71641 38538 \_\_\_\_\_  
\_\_\_\_\_ 19204 69957 85616 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 61144 94089 12261  
84336 45764 57860 66797 97058 17668 99379 87034 74619 53259  
45854 09951 81668 49581 26521 76826 75079 18331 11462 71061  
11763 18642 44267 25220 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
60736 78857 20845 29516 00659 90825 16584 58318 48213 \_\_\_\_\_  
\_\_\_\_\_ \_\_\_\_\_ 54704 76367 98809 31656 74201 79111 92615 70168  
59385 94195 44250 61260 38732 06763 68171 95956 35999 53729  
14653 29112 17916 06025 99754 23032 81046 46644 14301 86116  
13748 24178 10304 98704 94157 86523 88255 43320 10163 24456  
33750 81495 12273 79753 76846 44366 35342 97561 72633 29223  
50075 27674 26416 19208 30263 04443 11972 68341 46666 59973

56310 19070 23509 50318 89375 44522 18498 99340 82122 32658  
12321 89946 21418 54496 18552 57363 95184 83620 49903 64154  
86248 59134 01768 61672 98307 09261 38977 67606 62465 77783  
96725 14346 97775 20495 31588 47828 24226 63858 83574 81555  
51591 43064 35157 35484 92619 61669 78208 14461 73959 39998  
24788 05897 43282 44514 22705 01366 96037 15323 61820 71820  
70265 34014 81993 51108 82923 99021 18636 07469 06150 00694  
46795 07716 06901 13249 \_\_\_\_\_  
76927 1978) 89278 54952 42062 64503 46077 00209 24379 48759  
93114 76205 68465 89998 04801 69416 45042 08595 \_\_\_\_\_  
\_\_\_\_\_ 97357 77231 43592 03610 39342 00821  
15422 05946 56909 \_\_\_\_\_ 74582 57819 76300 \_\_\_\_\_  
\_\_\_\_\_ 69015 19042 26241 06483 48467  
85058 40237 96718 04355 \_\_\_\_\_  
\_\_\_\_\_ 04272 55786 01299 33520 67731 78481 26421  
40704 28224 87300 19775 41167 36021 38751 64656 30173 36366  
78658 63209 58548 58946 \_\_\_\_\_ 12543 76239 99238  
02560 14535 44939 42966 55065 09968 04505 42161 04651 59847  
33089 28189 86152 03369 26739 \_\_\_\_\_ 47336 40826  
95214 72384 62045 42699 99240 30948 72703 13612 84003 162\_0  
58585 01868 25669 57241 80988 69398 86118 99536 23071 84703  
46394 16065 63378 84242 82425 29606 06506 19476 68974 76252  
19319 31740 22746 64706 46183 22132 20598 11063 01633 08614  
53780 53772 63919 87504 04148 78456 17881 41550 53289 07291  
20554 61776 60497 32611 87989 60497 32611 87989 26687 96190  
37072 66703 58106 41926 72912 01550 09672 82011 62648 86926  
70726 11571 98971 46622 36859 66732 28414 17767 91053 24107  
17504 25358 95088 51541 75267 38527 89623 02322 93020 13240  
26429 70030 87376 51098 \_\_\_\_\_  
\_\_\_\_\_ 08650 87924 72425 00000 +++++ +++++

**9128/7546/5113 kHz, 07-09, 1015/1025/1035 UTC**

09051 15213 14101 90937 22194 14238 80357 00829 79427 13025  
06039 31233 57738 17576 01506 10684 58462 02912 58531 56431  
34723 43997 73690 35106 13494 19809 37458 51993 60726 32746  
99979 23611 62988 10545 49430 13274 24041 82914 63914 34335  
99786 50056 22840 50793 20048 85274 88691 29941 70589 38847  
95168 26764 33833 35365 02592 04759 11706 81701 06542 22864  
79050 27828 10659 43192 41041 47639 99530 39255 93042 31993  
72630 09358 06342 73073 00000 00000 00000 00000 00000 00000

59851 72460 38022 81253 13816 80061 60530 94332 20886 32388  
20128 99897 73182 56070 98850 96748 55276 90887 65959 46421  
99495 69762 26092 60157 54928 87626 53572 61704 50074 33919  
05337 59447 20396 28612 69504 10262 06683 32752 11827 20526  
03895 11440 84355 58180 65181 72697 13491 61752 90773 30638  
09625 57293 56416 66402 65544 19167 61044 85279 35797 35613  
98378 93459 14201 65047 82148 42851 51680 94009 79596 17405  
81632 32714 32986 59374 44988 09139 73781 58959 32179 47580  
59186 55765 84178 42625 85735 25517 19813 64462 59630 50459  
81537 56489 28490 96892 16845 11131 04227 48272 37517 34828  
31712 67310 23889 38117 82935 74105 00000 +++++ +++++

**9128/7546/5113 kHz, 08-09, 1015/1025/1035 UTC**

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

**11 September: not monitored**

**9128/7546/5113 kHz, 12-09, 1015/1025/1035 UTC**

30347 33282 95367 91779 73523 54418 13529 76162 19078 79196  
16496 56586 00235 35532 27800 45521 283+8 00147 06030 85769  
41799 62041 55921 74732 71150 66528 42302 02830 74905 13278  
74042 42015 25903 06797 50212 45337 52831 82789 85640 43461

66616 58837 58053 49109 26350 82828 43979 05346 24473 77583  
35610 38644 95870 05101 55817 02683 80588 98881 13485 23795  
94844 37749 66374 84023 90033 59611 83688 02703 04406 38604  
25538 02518 37108 74050 81476 70975 99276 64671 35325 53216  
21867 66491 48432 37119 24913 57872 78595 16623 77891 60111  
76804 44214 05900 76093 00000 00000 00000 00000 00000 00000

51195 03755 14072 17917 96797 06323 38638 94217 19771 99124  
45353 06457 99978 23642 27440 24829 83784 63629 38309 64606  
63639 36779 18652 65356 92915 62665 04884 76892 34438 99134  
79863 56664 66139 64347 51852 08244 92288 86649 72612 15626  
33715 49464 30624 53011 95480 23390 80318 74768 35429 02693  
93298 15250 82047 88383 42461 53173 75089 85060 54969 20231  
27381 03710 95011 58625 31264 87653 62280 57224 58098 03828  
17112 21009 24276 66579 68227 53517 22164 86169 84002 56958  
39444 59175 13216 77083 00000 +++++

**13 and 14 September: not monitored**

**9128/7546/5113 kHz, 15-09, 1015/1025/1035 UTC**

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

**9128/7546/5113 kHz, 18-09, 1015/1025/1035 UTC**

04258 96722 03291 91456 04433 32717 29461 06323 63972 82142  
63643 54600 02657 14288 79213 12821 26359 49606 08882 71749  
00012 43302 56375 63574 27313 02608 76587 31388 41856 61195  
41364 26881 39377 59146 33129 47204 05802 01937 33524 46924  
20774 96848 99254 86015 41371 90275 42337 99825 95672 54333  
56921 01951 40886 96229 59885 55954 65712 88826 37386 76879  
41625 45828 14559 48475 52780 90034 90540 67090 59213 88105  
06021 48159 73031 50256 35495 56224 52278 18341 21414 44434  
42163 90749 92415 14449 18343 57554 32825 32692 11938 44355  
95611 63892 20978 88245 75992 07843 37959 94354 87868 50322  
48199 46386 10272 64117 78689 69596 96035 21074 02114 69663  
59842 01127 25731 95856 87863 09232 19820 01973 36169 36159  
65343 03458 10088 24057 25558 54158 41717 22745 71220 91138  
07764 47669 14105 21005 54906 75451 28509 46168 24857 37975  
65425 54484 96328 00944 89089 20715 86074 37850 90569 93240  
76204 35288 58095 64462 59953 90562 08819 48338 23096 87504  
11683 13478 03196 61461 56089 45251 93867 89374 46061 35329  
86254 65899 24576 22107 64895 51493 57763 30449 00172 03415  
33655 84177 04530 25575 55169 89759 44659 98163 32027 14621  
26808 73009 01277 08530 97440 45594 31121 41475 26410 39664  
87730 56500 64834 65381 69737 60900 94874 36940 40090 04248  
13589 60603 09954 16667 18057 29077 54357 05802 83968 83175  
64263 35906 54842 26707 64747 37511 84091 05523 53983 21092  
97102 86659 42713 93166 65516 98517 98896 98291 10914 18016  
27219 35358 80073 15653 38154 21654 59010 94415 86262 03103  
17956 83476 82419 34152 04501 72609 09650 75704 27052 98267  
97271 84575 95825 17262 33019 92873 13533 28969 17851 00773  
32970 32013 93112 31094 23688 26364 94756 19144 14926 96773  
14300 36243 07012 38508 71199 70382 68398 11289 26353 12452  
60537 32410 91393 21465 57771 44937 13470 67230 54427 21957  
40211 73898 76315 92785 94545 12830 38802 02098 14078 18209  
18653 37897 34697 23860 31834 89273 23121 44683 34462 19884  
88038 51159 89077 68092 24569 10363 63445 09711 71699 91908  
54057 44266 87400 62286 51533 90751 71106 16001 90102 03782  
88241 16980 48353 46093 76496 48658 93438 78338 38513 96201  
85932 52091 50699 09295 87513 17024 42831 18931 38665 78172  
28156 06643 98591 64243 88656 49613 64519 92890 45193 90108  
12587 43902 67188 02652 27501 76233 01549 57401 13149 49831  
25518 03149 01362 38173 53141 18390 00999 42471 50025 03897  
54562 43474 36097 15228 94512 51799 81025 58623 16482 42746

22020 98714 11565 86509 58669 51483 24883 09751 04521 60917  
32605 49443 00092 82796 54613 81415 00000 +++++ +++++ +++++

**9128/7546/5113 kHz, 19-09, 1015/1025/1035 UTC**

27686 16147 64696 34316 19913 76139 27228 01123 31225 51824  
64827 02867 98052 23263 42430 62355 00027 91625 55897 83959  
59370 44855 04100 32809 30612 74995 19307 05488 47816 83119  
35568 90671 21534 32789 99764 43149 02633 37985 55024 19653  
55217 96455 51192 49946 05818 04403 62033 41605 61037 13464  
13868 41923 10836 15906 55313 05388 59660 68986 22829 40159  
52579 94410 81754 31988 88631 13824 47516 69013 38575 06276  
16700 15881 09206 98591 62676 10611 21454 24601 75461 82656  
94436 14142 50507 15593 52652 97788 56097 02876 98510 38248  
34057 70100 17379 24343 13435 82095 00000 00000 00000 00000

88338 62134 55778 82989 17360 22479 48052 68898 28467 80273  
20489 09225 25021 58647 95340 23316 19156 70291 71207 54832  
57479 64727 53085 90742 59764 40501 07121 03842 75314 45766  
57259 04749 86692 15679 65975 14313 15502 20048 66276 92366  
09906 19678 37157 83764 18567 54838 39704 67645 80709 14299  
56029 20854 86975 58373 98224 31459 90772 94401 79521 23308  
74791 28108 64847 77555 02397 39281 42961 62100 08564 55202  
87364 04868 10048 20274 98161 71884 39487 85265 42069 36065  
33119 64635 32757 83083 00000 +++++

**9128/7546/5113 kHz, 20-09, 1015/1025/1035 UTC**

Largely unreadable / Not heard

**9128/7546/5113 kHz, 21-09, 1015/1025/1035 UTC**

52026 15357 46381 86253 98946 01958 04102 22193 33974 47007  
45242 38888 30149 79956 13215 09248 06190 40260 09668 38350  
46742 22417 38415 76891 38364 99618 42450 99960 32165 80707  
07448 18341 69041 80107 30223 14510 28454 05448 75553 20544  
86671 92538 69832 80094 95426 42403 04963 61642 16921 40043  
50952 15202 76110 59636 00635 89679 16222 85840 94953 53049  
68420 05905 02254 82564 71580 52263 50017 17164 03090 00308  
32469 89281 06629 51027 42507 78227 27852 53187 01385 52351  
93931 44761 84581 92153 97867 18274 67306 11543 73539 39774  
38065 19429 72403 85093 00000 00000 00000 00000 00000 00000

02401 37036 43898 69888 99577 78375 07447 69824 99981 32735  
84595 00611 70411 23932 18537 73683 20474 37087 95302 96327  
47207 35491 96835 80771 99331 75604 44782 06905 09565 62407  
45945 93288 68448 12254 75335 56162 38111 15442 57756 61120  
29405 15674 33863 97152 90873 48599 21629 27738 82956 06632  
09164 98677 35896 22214 39817 07348 14775 86736 75494 63070  
40106 47284 49152 93284 37444 48399 42370 75208 14428 11060  
48972 97667 88701 66044 10619 82798 15158 83879 35301 22294  
85928 68567 34691 07891 01573 86085 00000 +++++ +++++

**9128/7546/5113 kHz, 22-09, 1015/1025/1035 UTC**

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

**9128/7546/5113 kHz, 25-09, 1015/1025/1035 UTC**

99020 22696 90429 95925 82756 64782 94742 71188 48947 52058  
47410 89290 79996 43495 53023 96899 02776 16097 84856 76672  
86978 75439 31321 48268 93970 18658 04621 80407 80809 73301  
28816 99900 89132 60517 49452 08580 73589 55977 31974 44088  
49521 47001 41085 45450 64557 09310 18259 09361 23830 51844  
99576 48140 23490 03086 41092 85284 72208 37319 43892 49554  
05353 64274 96063 53526 21534 30591 73737 67568 96194 06522  
68396 25151 51940 56345 32509 20452 90298 15893 61650 84179  
14585 25649 52332 48553 98579 92859 07690 37392 80678 81069

78238 42224 88233 50550 57892 70384 21751 98040 76408 76005  
53635 69237 55608 09872 21183 42482 21555 49049 18487 07078  
89873 92242 16973 84665 66402 31807 69216 67111 30369 38365  
75765 69330 92267 18952 19626 20496 43633 34640 98119 42053  
40899 88564 06790 86003 90521 20307 55038 31864 27563 67557  
18204 65764 04919 80998 55736 90112 35377 03357 50184 37254  
53698 48544 46666 85586 90898 41835 97514 01539 77934 07025  
41792 55879 20959 11485 74345 87767 15362 05080 84111 15006  
90750 13855 66340 13913 04089 74459 38432 17270 23162 20223  
14078 03766 67557 54830 15390 77383 99363 74532 27699 60173  
80752 24830 26728 46830 40647 02567 32804 94535 17664 39371  
71816 46485 71505 27382 47601 12546 79998 73198 55428 55482  
63971 90985 91305 56183 07140 70688 36759 56330 63207 82266  
23790 01952 67359 01911 09705 36280 94335 71172 16480 15378  
30278 24928 14383 44942 50527 49143 54502 61749 20575 54351  
79906 08155 62336 75790 70087 73107 52951 36146 98406 98098  
48287 31821 07211 71491 48339 28686 30308 59666 46711 78226  
17500 48426 31365 90057 40849 93079 28830 21705 87375 00670  
09057 71617 67859 92755 93095 86342 96454 22203 30808 17791  
20780 42422 40771 91545 07197 52471 29587 72133 10938 66489  
32769 36218 85801 80875 44399 89631 13070 37663 27740 89193  
54361 07520 23997 55258 58095 40815 01405 85910 74254 60196  
11841 08777 57139 93096 47141 31347 60796 67633 12312 75797  
56808 20309 57821 09198 29138 88983 38167 05082 25710 89519  
18885 97301 71414 99569 39261 12096 72230 97926 02730 89328  
65143 32874 12494 28816 93554 17982 94192 22700 12870 78781  
93033 59782 55942 98751 97488 12777 13072 38070 26769 44405  
06248 23539 74245 93282 62303 33158 24025 25519 14698 23747  
82849 62988 88591 75089 94521 24187 48912 48999 29033 38637  
16092 86782 63587 20755 79178 93504 97708 14131 60981 82517  
14131 60981 82517 78674 66054 25951 27867 46605 25951 55475  
72739 91993 97855 24846 21883 10755 64992 67728 74907 82132  
19081 87411 00000 +++++

**9128/7546/5113 kHz, 26-09, 1015/1025/1035 UTC**

06326 64321 80224 59132 24379 97928 96134 33808 52184 03140  
23327 26537 55058 90498 09328 23960 86189 00916 08564 22591  
25104 91765 81617 68880 96704 25826 08655 70072 44315 30226  
52939 55550 55154 17612 35390 93356 61707 86699 06106 91584  
67393 44414 23806 39307 70004 16793 79110 66759 81322 40857  
22617 29430 66377 54610 83685 45783 50759 27389 90964 32683  
69442 97713 30101 92321 55549 10864 01005 33050 92494 73334  
58226 24268 77940 66381 47768 69592 73010 85834 74829 00271  
35194 00368 63910 19443 58380 45415 97134 37504 68455 94916  
41733 53283 47907 88093 00000 00000 00000 00000 00000 00000

88338 62134 55778 82989 17360 22479 48052 68898 28467 80273  
20489 09225 25021 58647 95340 23316 19156 70291 71207 54832  
57479 64727 53085 90742 59764 40501 07121 03842 75314 45766  
57259 04749 86692 15679 65975 14313 15502 20048 66276 92366  
09906 19678 37157 83764 18567 54838 39704 67645 80709 14299  
56029 20854 86975 58373 98224 31459 90772 94401 79521 \_\_\_\_\_  
\_\_\_\_\_ 64847 77555 02397 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 85265 42069 36065  
33119 64635 32757 89083 00000 +++++

**9128/7546/5113 kHz, 27-09, 1015/1025/1035 UTC**

41412 00387 07580 50269 48072 37395 03241 42132 77409 45415  
06181 51782 04233 91445 91109 26390 07441 60184 07566 18885  
52921 62296 90008 82208 83586 78333 46148 54688 64971 80476  
34425 91205 59837 99304 66596 19856 30216 27768 96351 28781  
90334 79553 79899 12871 58854 44039 19470 35011 83865 05009  
25662 81567 39072 15332 59574 16802 14606 44784 40662 65897

50906 43198 31254 81284 89107 86139 33660 71957 36362 95283  
60825 00464 69546 50690 66447 77260 25781 37163 45508 07118  
53210 91871 41153 67262 20460 45433 18855 21946 08243 73643  
93800 03131 31513 02037 22435 11967 65636 30460 94109 20771  
74994 69862 83758 80167 67473 08473 51553 61101 23264 49567  
00461 86399 71418 87995 27660 31572 12600 17673 30730 99533  
11459 87213 54572 98943 07074 45896 89985 80848 14901 47147  
59845 13306 18661 01736 53811 98689 75608 97858 97508 63354  
83612 30310 67130 74358 83497 05918 85366 62913 95069 17441  
59640 59268 10276 03109 48551 68706 91930 33991 67488 43338  
51438 96392 69333 29385 03970 61449 61204 94641 24505 59120  
43171 65796 53203 98764 79877 30308 23518 03489 41017 82512  
11509 50438 71588 18668 29781 34256 77875 10600 14489 95851  
40087 12654 78850 83702 87599 81640 31591 39858 97724 14446  
83780 27839 03956 33014 92472 44617 24629 71374 14613 83867  
47921 44412 69621 42677 34141 03062 34121 88895 21241 05616  
17219 31319 44488 59830 89800 59895 06234 15521 66260 48134  
56717 12340 62112 34912 71844 12407 75920 27863 38872 72496  
68975 95530 85948 35463 41171 40484 16427 45593 26506 70580  
33912 17563 56649 10547 68961 13712 66015 21100 43388 09285  
36773 17757 33093 50371 07245 06548 15378 34188 92107 78813  
11658 66426 87863 32263 61532 75332 61987 10497 89136 87214  
49210 78173 47710 93058 03375 74001 53337 60955 78282 08760  
43775 74004 35988 00522 23324 98400 05980 64267 79661 11381  
43660 98091 83597 43727 61597 33164 07669 16498 31958 39666  
24523 76694 83568 05853 71021 61534 42051 32461 89009 46033  
86453 09631 78674 53563 20828 68535 25445 34101 84185 24905  
86363 39825 47264 56631 46867 52776 69559 82646 83914 44250  
15037 35255 96401 70611 49978 43108 88796 35234 71395 67017  
18936 71226 39442 55780 45923 24659 12276 14218 39052 42958  
06790 00605 33714 98168 33669 95680 45205 99762 80193 10434  
76392 76691 39239 24839 80152 33359 07901 74742 62545 09213  
04189 29075 37635 96630 75224 24589 69924 96799 95377 50301  
65306 18272 77785 98826 96504 47875 47687 26800 73911 48687  
51008 91561 97783 64737 96642 56306 52716 90407 00000 +++++  
+++++

**9128/7546/5113 kHz, 28-09, 1015/1025/1035 UTC**

97656 05812 55052 11096 03026 58874 32214 59947 81559 18139  
37576 12337 73254 34629 56514 21383 49932 73593 20901 49651  
15412 84072 00730 46002 83499 57640 41530 51444 01011 12229  
27282 32428 07988 62000 73494 65022 52325 59184 80162 18400  
00963 18829 99254 11086 14857 62396 96461 38390 79910 41148  
11849 94473 11039 25247 49140 37477 71576 69524 48290 71154  
75199 91844 21053 41453 62553 25000 54218 71465 69777 28084  
10220 83200 31112 68271 79791 79609 82774 08947 66355 85303  
60292 65118 06844 69395 06476 12056 58633 98916 32235 58084  
07276 91091 00000 00000 00000 00000 00000 00000 00000 00000

85264 91838 00055 10076 90938 04355 18412 56040 68125 09420  
51010 13508 18371 27822 42102 80279 88372 56513 68701 77726  
41514 69990 66261 72931 37293 61235 52102 89588 54612 01886  
45040 99873 19850 26339 04635 14449 25648 69465 38506 12804  
51368 12620 51162 81117 21143 17646 32756 49825 60457 53555  
11233 48077 37213 45570 16286 17287 98193 01212 28571 50939  
36879 93136 12608 52866 53551 03388 56817 31156 93614 58769  
69117 69906 75080 12015 01527 45983 41152 48444 02210 83001  
98837 22803 18402 59687 29542 92085 00000 +++++ +++++

**9128/7546/5113 kHz, 29-09, 1015/1025/1035 UTC**

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



## Link 00000

**9274/7614 kHz, 25-09, 0800/0810 UTC**

11100 00000 18367 22007 00939  
 90263 79756 03599 19273 77836 85996 00397 49902 57443 82633  
 08153 69251 45617 23507 26898 06658 09914 25765 14228 84339  
 07698 82554 42491 72132 03546 68777 21325 68872 19943 13346  
 52696 46393 00979 36390 10664 17038 93710 74833 63017 10665  
 76893 44787 77019 72050 91760 14207 76399 14638 54539 84227  
 41811 91584 55397 02638 71940 70017 73500 57916 47434 19456  
 62869 27271 64856 50332 88727 77122 32848 63545 19021 39465  
 47684 96987 00805 12545 90410 79984 76182 59288 12750 31574  
 17477 01929 03967 63582 86330 36255 55876 74413 46421 13933  
 68183 07091 00000

## Link 10053

**19351/18517/13527 kHz, 05-09, 1650/1700/1710 UTC**

11166 10053 48620 05001 00049 00000 00000 00000 00000

**19351/18517/13527 kHz, 12-09, 1650/1700/1710 UTC**

11166 10053 12345 12001 00049 00000 00000 00000 00000

**19351/18517/13527 kHz, 19-09, 1650/1700/1710 UTC**

11166 10053 24681 19001 00049 00000 00000 00000 00000

**19351/18517/13527 kHz, 26-09, 1650/1700/1710 UTC**

11166 10053 12457 26001 00049 00000 00000 00000 00000

**20931/19219/14389 kHz, 10-09, 1530/1540/1550 UTC**

11166 10053 12457 10001 00049 00000 00000 00000 00000

**20931/19219/14389 kHz, 17-09, 1530/1540/1550 UTC**

11166 10053 43897 17001 00049 00000 00000 00000 00000

**20931/19219/14389 kHz, 24-09, 1530/1540/1550 UTC**

11166 10053 12345 24001 00049 00000 00000 00000 00000

## Link 30154

**19127/11055 kHz, 05-09, 1230/1250 UTC**

11166 30154 43769 05637 00049 00000 00000 00000 00000

**19127 kHz, 12-09, 1230 UTC**

11166 30154 14523 12069 00049 00000 00000 00000 00000

**19127/13891/11055 kHz, 19-09, 1230/1240/1250 UTC**

11166 30154 14785 19069 00049 00000 00000 00000 00000

**11055 kHz, 26-09, 1230 UTC**

11166 30154 12547 26262 00049 00000 00000 00000 00000

## Link 40023

**16327/14825 kHz, 12-09, 9030/0945 UTC**

11166 40023 12547 13001 00049 00000 00000 00000 00000

**20949/16327/14825 kHz, 27-09, 0915/0930/0945 UTC**

11166 40023 12457 27091 00049 00000 00000 00000 00000

**15930/13503/11109 kHz, 06-09/07-09, 0600/0610/0620 kHz**

11166 40122 74921 02072 03699  
21738 53493 84149 06643 39106 96148 53755 22527 88955 53311  
57962 29571 24435 83083 24075 23257 92753 45516 47345 29821  
49975 20303 98194 36108 79019 40590 09998 22252 21846 97580  
20876 64382 61711 95632 67929 99532 16485 62531 57345 69952  
28915 44626 58830 88983 64826 41513 97787 95729 55148 59963  
43689 90660 42735 91772 18084 69374 19914 45221 70658 96689  
67682 84843 96811 88252 32510 59179 95169 91856 01676 21200  
88477 85650 63075 71102 56306 35438 60440 76148 53017 78234  
79903 47253 09416 24292 28850 76980 41534 94760 92991 68673  
14980 37190 82601 11368 38291 86040 03847 80205 83729 60407  
16151 67015 58955 16144 61540 70764 78013 94554 76888 02555  
05086 34869 25016 84861 69415 42665 05571 49695 74880 31445  
31637 65379 52620 79532 82997 46624 30168 69499 71998 27594  
15532 02294 82946 02650 19645 03266 70978 64450 65640 62269  
31347 94106 58373 75044 75042 83079 12640 78044 71714 91496  
63521 93915 45800 72582 07296 29807 36827 17894 46354 95697  
59805 03043 36558 34935 26658 38591 60476 84161 14619 55809  
74935 04830 92552 81993 06327 53486 41105 85011 92105 83004  
27659 91775 91916 91975 21991 10339 16788 64418 63608 10274  
49825 67016 16670 41061 56856 96061 73445 93134 10441 91289  
92254 31304 75710 58796 80805 55217 31451 70230 60886 66571  
24889 30435 75345 47738 83589 30740 23285 81516 32939 30082  
34424 66670 92621 31148 18555 08970 50534 43720 51032 92394  
37593 52421 80240 60210 51840 31040 67969 60592 05319 70625  
98632 36487 92129 13535 18278 64400 01125 10636 89317 71797  
21657 43828 71918 87804 15843 81097 67988 06904 55765 56265  
88701 70291 49049 90640 31494 94614 01262 98747 77469 02745  
88559 45334 45150 36301 39032 45818 61521 54592 46171 27402  
36287 49674 62907 92996 50296 32209 49653 55183 94058 67810  
74780 32368 17302 68563 90988 24343 75495 69416 35975 09417  
84292 44112 30870 30329 17812 40364 74861 61111 11705 38955  
59439 72091 56955 66455 50723 35243 95327 16229 13278 37036  
52418 57447 73878 91010 69241 36757 48653 67236 18287 02330  
82041 80855 14991 04949 71007 06899 60548 55843 72943 13551  
77018 45945 20702 31070 20646 56256 93196 98531 84344 14022  
15007 55597 25282 74387 83417 71485 78492 32234 46347 28343  
42473 93877 79586 01189 47675 63315 36791 72367 00000

**15930/13503/11109 kHz, 13-09/14-09, 0600/0610/0620 kHz**

11166 40122 54376 09073 03029  
69512 21563 15620 45179 65644 37780 04852 83928 81620 25188  
61471 74596 21150 95481 84652 91545 23499 57264 53811 88853  
19094 37841 56328 32707 60231 80504 92725 21000 87817 21995  
82710 07326 20087 79821 20544 71550 74223 04136 53155 04161  
56833 73846 79455 96564 84203 41655 94275 54535 18283 57708  
25375 76989 29321 26548 36944 67289 21106 77054 98062 69240  
79739 50058 39526 44996 31879 33324 47490 37037 23400 98576  
67375 81421 54392 20273 16455 64493 31455 80791 28578 40235  
23203 91744 79453 50451 29944 86083 65942 14972 03443 60696  
37792 84064 77727 74179 05243 70239 96867 29471 70958 01637  
50662 96043 59708 64184 54169 51321 44237 24709 32033 46033  
90769 52199 93521 23180 72577 79392 09233 45293 25049 71885  
25393 09692 40708 96954 76692 56405 27602 09264 83596 98474  
79510 95659 45059 29286 31410 46235 62596 86655 98627 43849  
56628 78334 23123 89290 61061 98633 75338 04279 07018 90834  
85051 79473 31670 35110 99671 59706 73106 66599 93408 83591  
37169 53360 75770 19729 47206 88868 72801 66674 12669 78754  
79518 08864 77493 26463 06975 45687 34208 47535 72394 35889  
14694 67178 05803 24491 93552 80837 71601 44426 65003 82432

28530 10055 79252 89964 76426 44779 49276 23168 63264 09913  
63945 12909 50860 27017 68446 46998 62722 10879 97911 82129  
62463 55314 75217 76606 36214 39006 08880 23570 77484 43532  
51981 89391 97893 00800 08079 86937 12228 12057 95007 38373  
71244 05675 02547 07222 40669 25885 04865 04332 49825 69667  
13683 97471 58324 13960 83107 79213 14263 00399 02052 72816  
02365 69758 35200 80775 05492 63285 98438 05741 27985 33124  
79700 98485 54247 28996 41156 12608 41023 53355 63689 70668  
66807 02168 19596 71431 86821 33541 84444 92908 66988 31363  
24034 70899 95351 56147 17381 57694 94379 00283 01688 90651  
82574 89851 50219 25319 58844 00228 19019 12796 08062 77627  
73300 00000

11166 40122 75146 09074 02439  
23423 26026 51255 83807 30286 64689 88861 06087 76874 93411  
10490 99901 52353 92953 69617 56057 02809 29072 46673 09875  
45744 68755 48932 34425 04987 98499 20667 85029 01943 24327  
61987 87216 64131 58232 79814 85325 36953 20739 19412 93937  
09603 14255 49932 19335 91099 46924 02395 43157 97330 11644  
83550 85457 35087 49952 14057 89342 93992 55466 64410 94376  
82298 96552 87066 90947 67444 62931 68196 72775 07357 65886  
47503 29749 83399 46784 79540 48293 70923 73571 34981 11429  
08358 29958 65255 15740 50758 26956 79012 47413 18787 91471  
03832 84555 79019 11640 31625 17959 16552 43576 71174 07521  
85822 09251 56229 16486 50594 40156 82604 90717 49041 46467  
72735 75166 44860 16376 91091 84742 50364 75289 58922 71761  
32482 59578 41750 57165 37602 84565 08054 17701 96208 11435  
82584 46239 93235 42763 42745 27428 15083 01343 31475 95864  
09227 71995 85077 68978 17373 11071 99424 71799 68071 53291  
82974 95819 39753 70664 70050 59116 30102 63120 92806 59936  
92728 85587 35323 40920 27045 41167 18269 06166 32321 95124  
87564 58302 61822 89353 05494 47782 37994 62028 67684 51556  
14611 02112 94416 23337 96837 93416 69674 82635 55142 27908  
26397 34742 93990 92924 01352 38867 61261 62019 08083 66602  
09328 44098 01351 17911 43728 70550 31528 86810 20384 25047  
12363 93970 77274 45712 50562 28374 11537 54338 10632 65256  
37905 92343 13403 52504 89436 68151 91693 82692 46460 45687  
51528 92956 04685 28671 12371 59882 18410 20407 24791 81608  
79762 74241 00000

**15930/13503/11109 kHz, 20-09, 0600/0610/0620 kHz**

11166 40122 12547 20202 00049 00000 00000 00000 00000

**15930/13503/11109 kHz, 27-09/28-09, 0600/0610/0620 kHz**

11166 40122 96541 23075 03609  
57932 33316 70710 67612 64491 49331 93742 31834 02284 78648  
26780 52618 00894 28639 78918 11655 24801 76854 88680 30332  
99865 22197 73587 86378 40297 38519 91951 91546 80801 54118  
34056 16260 43595 05533 84911 72178 94960 39100 25795 88607  
71052 58706 66735 43695 77617 43161 27148 36346 93334 81641  
06798 09800 31458 00639 14288 62811 39439 80845 45252 09356  
41234 87427 27437 72814 51967 62100 74874 25569 19654 50474  
18318 09940 73648 63078 04142 01417 84535 93519 78873 00104  
65114 42209 01573 61329 67204 19088 51220 01355 53922 23799  
21314 39116 52142 26732 18864 59934 14825 99394 09970 12148  
47883 67524 79160 72576 81300 85404 94697 41786 89165 54800  
97023 55065 88321 36964 52536 20064 70325 31147 39888 17037  
46379 18050 60993 22611 09951 91649 93921 43037 46755 27852  
29885 67839 46777 63383 61484 79825 98048 83388 14418 82369  
66836 41150 39837 29929 93949 58373 09527 60031 90188 95408  
59335 05641 02451 57719 71446 16801 32412 74002 44637 62615  
57607 46787 94616 80132 41274 00244 63762 61557 60746 78794  
59627 42295 00691 05780 60867 29955 95804 12968 92700 57537

20632 95807 21017 72733 79815 83442 96196 25760 91023 72102  
13824 41672 90244 70315 34473 88077 14126 29365 29783 74204  
39059 57449 46965 42253 81683 40962 08979 36969 90504 21342  
92522 64377 83321 00925 51050 75614 10126 76240 74997 36794  
46197 22184 06398 70851 45041 75508 50080 82285 05896 91065  
48644 00764 35464 69244 13381 04499 08581 78033 28349 09357  
57482 18151 69772 34624 44390 04680 07967 81365 97073 63646  
83969 84328 12088 66969 78060 23309 55384 54237 12370 04934  
14960 14729 54757 50792 85252 28133 16138 52845 87962 87390  
58466 82066 58980 52112 55540 61233 56122 05988 73834 37827  
67354 16645 65531 17959 24184 21389 90957 47273 49925 87251  
12592 49759 97507 18799 27848 60411 56528 12128 32813 12674  
34221 78495 34134 66608 40054 86007 51231 88724 28612 92822  
76031 19399 80477 70281 82415 88844 25782 39433 02550 67537  
40125 69363 12306 62062 67541 10784 92951 92303 50205 63308  
61293 10924 69561 99868 85466 51058 28574 96680 28560 13179  
29768 42224 87253 27048 28765 23666 17667 49709 67993 14158  
65605 85456 20260 09448 43383 38705 96873 87251 75358 00000

Link 60070

**9055/7989 kHz, 05-09, 0040/0050 UTC**

11166 60070 23648 05001 00049 00000 00000 00000 00000

**12077/9055 kHz, 12-09, 0030/0040 UTC**

11166 60070 61374 12001 00049 00000 00000 00000 00000

**12077/7989 kHz, 19-09, 0030/0050 UTC**

11166 60070 12345 19001 00049 00000 00000 00000 00000

**12077 kHz, 26-09, 0030 UTC**

11166 60070 24681 26001 00049 00000 00000 00000 00000

Link 60081

**17435/16323/11617 kHz, 13-09, 1300/1310/1320 UTC**

11166 60081 25874 13065 00049 00000 00000 00000 00000

**17435 kHz, 20-09, 1300 UTC**

Null message

**17435/16323/11617 kHz, 27-09, 1300/1310/1320 UTC**

11166 60081 12345 27678 00049 00000 00000 00000 00000

Link 70059

**8163/7450/6789 kHz, 04-09, 0400/0410/0420 UTC**

11166 70059 98765 04001 00049 00000 00000 00000 00000

**8163/7450/6789 kHz, 18-09, 0400/0410/0420 UTC**

11166 70059 42831 18001 00049 00000 00000 00000 00000

Link 70202

**8183/6839/5264 kHz, 01-09, 0700/0710/0720 UTC**

11166 70202 95843 01095 00049 00000 00000 00000 00000

**8183/6839/5264 kHz, 04-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 04-09, 1200/1210/1220 UTC**

11166 70202 91235 01007 02339

21528 51350 87487 66123 88142 62857 86698 18118 65585 26400

30881 95486 55318 92526 63959 48786 39778 96733 54993 56203

49335 63024 59721 50021 88343 02880 59153 28325 87445 45572  
54899 50413 74350 60766 25927 39323 80242 59346 76431 39935  
24033 83396 29509 06077 41621 21285 46309 15062 52374 08779  
75377 33119 79989 02139 61846 80132 69948 34110 71187 67129  
70730 88779 07201 04974 70997 56200 28923 07672 09910 52752  
96156 38762 02779 18155 98293 74191 49240 25081 46136 80144  
16138 62304 31382 29252 12292 77322 83481 03604 97357 89385  
78543 58033 91950 08874 79976 42075 81232 23966 15557 04070  
29133 40522 20616 25816 45414 86131 02019 61244 72743 14254  
02636 77519 85988 69406 70992 22029 20888 99307 65779 63685  
74319 24943 49911 81979 43332 04477 53828 02235 95130 51944  
12720 00476 85215 96669 07368 26378 65842 94345 63278 17712  
52011 25707 87817 04732 37157 43745 50008 27944 75735 55385  
32702 17688 74894 48584 11791 08978 62409 00771 42171 90027  
23081 29574 55116 07913 20772 71766 96778 79790 48281 01379  
62481 83132 72236 22904 06504 23392 65188 00542 32040 02550  
42106 09410 91022 36988 43455 19671 48497 98096 32033 49502  
91233 74096 95782 47859 85263 76466 73728 92948 12032 39461  
47259 17375 37848 86107 63924 95871 96328 59169 85939 56582  
88510 40464 80584 01801 30330 07020 94684 49128 02157 97469  
80364 28979 80057 87141 64250 99366 53491 95285 77326 63917  
59119 07231 00000

**8183/6839/5264 kHz, 05-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 05-09, 1200/1210/1220 UTC**

11166 70202 45821 04008 01779  
33632 64689 90162 43895 46463 64185 79112 19723 49630 43446  
08835 16975 86820 22630 63794 51320 78055 85224 53292 03608  
74327 94953 14774 30185 77953 41306 60213 88549 39590 68364  
38995 45528 67848 66615 15744 60149 12439 32446 86524 58421  
06797 24994 81866 42187 81109 75054 30040 99249 81695 25724  
79017 06958 57670 09468 00576 46429 00832 91302 24953 69613  
49706 32782 79515 86365 93691 56464 29867 63740 38242 15563  
46831 54663 17014 98453 47758 98201 61930 22740 85578 58589  
67093 98549 84049 95221 07474 65761 42636 80783 98335 34841  
59450 09720 06309 85985 45700 64217 48065 06246 30077 29899  
37532 69334 76525 78407 67574 87787 63822 59079 37085 92188  
00418 66876 59432 17118 72966 78786 13180 98538 51977 75861  
21040 12290 03049 93086 67980 08382 77087 64276 94431 20782  
77984 54170 25530 57371 31161 94925 22332 99770 01432 69192  
65935 67713 33629 06959 10459 27655 14407 88353 65791 50317  
78685 69589 96080 46829 09154 74241 44865 38192 02280 17048  
22819 37706 99260 52411 19022 51097 05355 64799 21705 23991  
46025 43225 59406 91440 33343 08175 00000

11166 70202 65874 04009 01379  
32886 15893 14310 72563 65881 23797 00412 95652 42562 05089  
54805 99762 86238 51099 83039 32151 05721 43539 57032 44171  
91644 79913 60860 14003 98846 29103 87437 23766 00701 46813  
34503 33224 26364 05571 73363 17250 16880 18965 88832 59256  
61058 64806 13790 17761 97079 36907 06816 08298 90762 80153  
46323 67831 26426 88572 39637 93892 71284 71076 70444 75600  
99325 14562 33070 58766 85585 99066 26996 12276 06779 44664  
10088 87911 09212 94781 33927 90842 29923 65634 09736 02923  
81973 16453 78283 26027 39846 20214 82248 37584 85873 39528  
64453 75505 03639 37406 40414 94701 29289 77569 18654 62363  
96696 93998 67192 84196 37401 34408 49679 78810 21279 07336  
79582 42432 48870 87534 65889 71140 31308 59345 48741 32808  
18773 02755 48454 05940 63431 51808 76348

**8183/6839/5264 kHz, 06-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 06-09, 1200/1210/1220 UTC**

11166 70202 53487 05010 02439  
31972 43929 31627 65385 13969 98043 60262 85869 37988 01421  
70013 81297 60095 94909 42749 24069 32600 66595 26585 68214  
67916 64854 69910 63280 26741 32985 63330 07766 03984 32625  
25443 21796 10890 48105 93417 43723 76796 88966 04281 80340  
18942 32794 77873 65395 53797 75582 37399 06094 48322 81797  
28511 22277 34613 51343 22869 07965 36356 45603 17110 69949  
80544 39753 63161 23120 92881 93530 90846 47226 00313 57653  
08705 34746 89124 58062 93975 84554 92048 25191 07685 21085  
02807 60434 95756 43662 41534 57022 62104 35700 19519 17467  
24634 88452 76697 34781 90084 19001 90337 29656 08668 87161  
78354 60782 94419 41018 45690 50504 22216 45747 47199 92990  
37384 75428 65472 37113 38857 72542 27046 61223 21786 04821  
05417 82009 90577 74153 84324 64619 78269 57230 79710 26243  
33197 82608 43819 50343 58875 73901 99858 53711 18049 13754  
80663 73549 36836 08320 69805 66753 69909 56904 68578 38594  
12643 56479 37300 42981 71179 95740 84369 21494 26339 18411  
01515 73368 52312 60460 68667 73637 76081 90950 76909 81586  
88493 11171 42917 06748 42943 91767 13351 24587 02573 52546  
82622 59091 21967 14637 72480 74439 74239 79715 46842 42939  
59474 15958 60329 81421 55455 55420 63922 73280 96612 32535  
16187 18347 92133 18407 73498 77778 19168 30596 57718 06158  
52070 23078 24734 87986 13615 86067 82331 20759 59119 10392  
30809 11806 29421 96099 24793 81100 33628 10006 79668 87198  
47605 21835 71095 18521 39111 73680 01010 17147 55539 62437  
28579 10241 00000

**8183/6839/5264 kHz, 07-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 07-09, 1200/1210/1220 UTC**

11166 70202 14253 06011 01699  
68868 46694 19489 62831 06683 38128 63744 96018 14505 98280  
27831 23601 40783 34711 51080 24918 70678 90473 10065 64352  
08692 76043 71985 27015 00856 99003 36834 98276 76158 89910  
60499 48095 11893 47802 76033 06050 52620 53761 55234 38051  
37435 25990 77762 60638 15218 14825 99957 53814 52563 61123  
40544 58356 64072 66480 25433 68531 19694 48684 58777 56167  
08808 80873 12501 86996 65727 37822 51454 15240 86325 97782  
36419 67331 90446 73346 72118 50754 09826 69734 92445 48910  
06165 93971 00077 87954 49084 63375 02676 86547 08623 86804  
12859 24453 41971 17086 04127 90919 79139 98089 39931 98787  
37229 54848 18078 75251 18011 00201 97653 65224 68492 56362  
00651 08239 09157 14883 05495 74813 59565 83416 74648 73236  
16018 92745 83489 62692 60940 62500 42642 33679 08708 49002  
30953 41641 17575 23676 81303 04769 22410 55466 86436 01889  
67914 95691 16994 31399 47024 88787 68945 17165 74165 57352  
82600 72337 48068 34954 00395 57007 83817 45132 55621 90653  
18824 50022 09321 05313 22419 17047 77497 11167 00000

11166 70202 65827 06012 01539  
83085 46678 28322 48697 05249 55744 43703 69913 03098 54885  
44261 73816 12442 72147 90214 36470 63487 82951 55621 87907  
80099 50155 47416 01060 93223 34908 78451 50715 04406 57998  
92980 34674 60345 16377 68018 74308 24424 84541 39015 36701  
56140 55473 23294 45546 34398 00812 39669 73018 85572 54952  
47701 29781 02309 52766 55010 95322 63966 75607 66103 55824  
94677 85321 71134 41719 19930 50918 98048 82159 07624 97620  
76539 18556 04541 32950 87261 44396 04165 29562 94736 63510  
06774 69501 87383 83988 57774 79570 73121 89925 75178 12503  
03968 58190 02188 53619 28089 12396 45811 57665 92718 31269  
87452 45507 46401 53601 76413 15381 13986 46966 42237 48379  
42807 32398 86843 12865 43506 82208 42383 97498 73905 33147

05754 27563 39396 82067 85712 44277 08265 56309 23523 51791  
65393 75971 73078 61539 52788 50272 51431 88641 70347 75168  
95673 80051 35334 24443 87097 79123 23966 51430 28584 56296  
43581 12151 00000

**6839 kHz, 08-09, 0710 UTC**

11166 70202 51238 07055 00049 00000 00000 00000 00000

**6839 kHz, 11-09, 0710 UTC**

11166 70202 12647 08013 02379  
68072 52313 84190 62500 01424 21699 20336 69688 71505 52099  
18690 25127 26728 16698 75796 39746 37731 23641 82180 90067  
81625 06030 16015 05307 71268 36998 62279 81920 21726 30830  
62094 49027 71150 16048 21922 33151 98225 91417 37314 95711  
03386 00788 10897 41711 45995 87729 69284 23049 54665 15887  
08607 84902 52913 65995 23338 28609 67327 45494 98103 89495  
10453 71671 67183 53082 55564 14292 71353 58100 45520 08619  
66801 59771 02891 74801 65764 51774 33537 04531 13596 70337  
40845 00935 31956 28902 92777 82616 82787 56787 08958 87804  
32790 40301 59954 39528 23066 89719 95959 57773 73634 80595  
47055 29540 77487 42813 62242 72759 63895 95832 79430 54982  
35624 53572 43570 52797 09784 47347 15123 62913 16960 40318  
36040 00833 38345 31881 45461 48058 85541 75431 62294 33784  
52727 57951 76890 61982 95874 14843 18979 19848 18706 78462  
94061 28522 70074 83775 05457 22047 82459 79580 04166 65466  
06264 18740 33768 48041 19593 25846 62518 12485 18220 65772  
19840 06181 15406 61539 79398 65308 06275 34931 55949 67809  
76423 68304 08134 16156 59462 11033 64431 35820 73163 79009  
14435 00421 88917 20653 32646 19459 14166 47866 26983 49592  
92524 55359 29179 15381 51259 76799 69264 50442 50815 51210  
01314 94954 16089 98061 72658 10449 54117 24493 53735 97815  
87890 13100 70771 29481 60954 63721 08492 31673 92511 87675  
75023 77727 87691 77870 46209 78363 32686 03230 31485 79871  
29435 00875 28548 06153 49555 13235 00000

**7673 kHz, 12-09, 1210 UTC**

\_\_\_\_\_ 26 70994 13122 39604 73348 84198 51455 89620  
99062 10363 67423 81028 43136 11904 10971 27881 72494 81721  
12979 91499 03283 23272 79379 19769 41120 70581 84964 84979  
14026 71638 84107 06129 27716 83602 80548 66646 97939 53267  
234 \_\_\_\_\_ 5342 47450  
86219 66468 00918 70171 81383 8669 \_\_\_\_\_

\_\_\_\_\_ 16634 56905 94171 13002 59419 26706 33380 142 \_\_\_\_\_

\_\_\_\_\_ 105 59284 03682 86194 91325 54666 58938 38869 \_\_\_\_\_

\_\_\_\_\_ 783  
36043 53580 12531 88940 30843 22567 31905 55566 00538 92827  
86970 23826 77094 04937 59286 69944 58805 11175 89336 66727  
36627 75964 2 \_\_\_\_\_

11166 70202 15487 11015 02059  
40621 39389 64956 11896 69489 33777 71024 32314 19127 05545  
76954 43429 12013 06416 13026 29915 12892 4202 \_\_\_\_\_  
\_\_\_\_\_ 340 87924 82860 80116 41914

66609 84155 44989 53479 36504 74341 01351 71723 56297 48114  
03910 51321 80007 53758 60072 34260 17348 13740 2 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ 20590 85445 47763 70859 75447 26752 64294 780 \_\_\_\_\_  
\_\_\_\_\_ \_7796 12751 38192 05178  
96274 43838 23349 6072 \_\_\_\_\_  
\_\_\_\_\_ 18968  
94811 44143 61304 24360 74544 68295 17609 24116 67117 13295  
19201 44636 80479 73647 87414 11619 13212 67727 16444 82621  
61091 8933 \_\_\_\_\_ 564  
19249 97289 50253 77219 89620 98572 98611 02860 07670 91094  
37738 06763 96957 28480 89830 45305 41288 14383 71382 67038  
88870 92084 84899 90033 32766 15430 17355 12906 59774 62053  
50072 82973 84981 74835 09723 69983 14126 42503 15114 18837  
00992 55340 99479 79763 92007 96929 12941 39364 75238 57869  
34820 00982 75962 82392 50525 87815 66014 83845 72656 67233  
79084 89941 11044 15203 00000

**6839 kHz, 13-09, 0710 UTC**

11166 70202 10647 12016 02439  
04643 70188 64816 27552 89724 70621 88094 79493 77082 95180  
97293 95302 94174 15699 99310 23121 24946 43094 79663 20189  
78916 16543 67124 69809 44740 15027 10188 57388 39169 45921  
38775 72749 87374 90329 09644 30906 95546 09837 58920 28472  
01716 44380 10194 77913 15740 55922 11628 86809 84385 97605  
00498 74332 42445 13093 18619 42108 35825 95757 27085 41672  
27547 62441 93759 05687 22593 21434 51967 35116 72541 39389  
53801 59549 45920 36852 66509 12854 75223 67083 85375 91346  
16520 57875 61547 86673 82610 21044 68236 10586 35637 59282  
53748 53792 50125 25065 54749 46090 82354 11293 68237 09944  
07025 78360 05637 24714 07147 47341 77458 43716 28081 13966  
81968 31299 31689 63099 96293 12133 11508 88383 93405 49888  
54905 46750 33428 97496 63142 02481 02690 86185 65280 40509  
98971 45467 86876 53642 86387 71269 59405 33403 68322 84402  
81333 19166 51882 46547 66793 85287 02284 25942 42798 70908  
10618 29974 80923 82122 23436 46845 74399 21191 07587 63509  
96553 22499 48746 52073 01537 99938 07075 41828 53271 35406  
78442 19130 93560 63089 34656 22284 85297 29260 41128 23645  
91703 32231 75427 16115 77545 72175 95145 46209 43258 65508  
28511 60910 27920 03489 86201 60462 42008 59767 17786 74320  
15878 76531 61226 02428 74907 83957 58889 89013 77228 32653  
38496 21099 75008 43773 82452 68892 85188 06497 33996 10276  
80644 77559 13595 06550 37688 62521 44041 21648 00858 83457  
07669 01984 50927 62773 84142 59136 87079 77802 42247 22556  
59176 16241 00000

**6839 kHz, 14-09, 0710 UTC**

**7673 kHz, 14-09, 1210 UTC**

11166 70202 78245 13017 01919  
94108 80184 12075 19924 30368 09702 22529 95405 68286 24013  
28528 51817 53414 19993 35026 91830 63643 84729 40631 99274  
47090 78701 22214 05946 74919 93651 93059 26100 32554 02366  
20491 88310 97691 42527 13893 19367 78580 01843 19097 59926  
10989 96622 80043 16573 37296 61015 53665 80008 16161 89056  
88938 64032 36179 96756 06025 45010 31996 96384 36450 06528  
26293 00143 10258 18896 46088 95438 01071 08212 86789 58908  
65002 94662 22451 01412 34349 04748 85640 61161 52009 87117  
65388 87192 57562 86714 96634 80343 60944 56898 39613 83951  
64655 14252 72622 41438 20446 65746 46609 62978 31410 62960  
75002 68437 35427 63032 57250 98767 30884 01048 59468 13048  
30631 03529 00672 13354 55083 97730 17998 64652 00436 96431  
09381 01897 42897 62881 77096 41522 64910 85636 20629 39519



14274 17925 52290 63278 32116 61262 34028 69391 10654 97988  
58866 04600 66666 02421 25414 72069 41645 85301 78867 30189  
64525 51243 16969 16077 37960 73841 84331 10978 34067 18154  
03586 89745 10586 65233 16784 21592 83379 18393 35486 14297  
16222 95900 22983 19059 13816 39788 57085 38181 28955 95458  
46909 02773 19804 41781 02113 12663 18192 76366 78006 17189  
00000

11166 70202 98214 13018 02159  
16049 49176 01518 29798 94207 07112 29950 80845 69581 63079  
97361 16226 40331 97304 27025 38014 20427 72584 72658 88402  
63863 49106 61236 07526 72564 17713 28100 52720 11415 68815  
30275 08897 78859 39149 48957 44705 06508 03530 17095 94196  
86176 03834 33005 68660 47815 32361 45962 28317 36745 11790  
24703 68571 63655 38893 44765 00497 25784 84215 55627 30249  
22735 64896 13563 67093 15359 32820 91151 14730 01138 45288  
99395 25611 04508 10403 83369 22927 05570 24338 77337 19968  
55604 42698 30284 91523 52851 53139 37798 77026 76974 41455  
41230 20125 05657 68307 80082 74361 61764 98777 08556 29657  
64510 51953 12192 39283 83060 62706 85554 52011 16025 72883  
56879 79117 45252 94057 70641 50948 37395 09069 63957 42719  
91651 04507 97785 74241 57142 51351 28846 13257 68358 75928  
33190 37079 72102 88405 17384 32225 44381 60977 78216 36711  
20671 72953 96881 54726 88002 64928 78573 98345 12295 69218  
73424 35990 99392 08759 39736 52302 13214 81640 35426 49147  
99482 73487 48635 42406 88452 64839 03438 34256 75078 25760  
01581 65637 00064 14820 86199 78569 80227 24682 38443 43031  
61620 41437 42945 28066 93837 09911 83084 21825 48957 22106  
51959 30216 33544 70983 90035 08856 67161 36760 85378 08012  
25823 97909 97429 35213 73819 84067 90248 65236 32366 13005  
86175 52130 58504 18213 00000

**6839 kHz, 15-09, 0710 UTC**

**9188 kHz, 15-09, 1200 UTC**

11166 70202 25498 19022 02479  
92242 15931 33340 99719 75783 39370 10749 45558 87519 53619  
74207 95688 61241 32005 87193 26750 51407 78146 99424 20416  
06799 12967 75639 76037 77464 28196 56894 85880 34667 04827  
46566 33897 08496 19945 38253 03974 72847 90370 27755 08584  
32455 26562 76327 73796 91657 95207 17384 41561 09593 13944  
23852 75220 71505 26646 78355 79181 30854 32713 13421 68687  
01909 68805 13887 50617 07525 66453 98707 01268 11774 33986  
24344 52038 92134 36210 76918 18965 30915 70285 45330 37042  
30603 61224 92510 85265 82829 25464 67019 13335 45636 75931  
22148 05951 08723 67064 34742 45658 51378 03199 40912 60146  
22776 58779 30824 64972 99309 83821 69767 37627 98677 93065  
37669 83884 55391 62261 04267 82376 87390 80013 82096 18328  
08469 28641 24517 42386 66178 92464 60927 15491 09918 16986  
86387 25712 18878 67375 47819 87998 44543 59716 93971 62779  
47423 63439 81352 54342 32725 98389 53296 74939 14619 74951  
34368 85555 63822 50691 07285 49270 18162 01926 64549 58151  
60816 33680 51968 19633 95917 76460 46264 13293 76211 43276  
33945 53979 62443 45359 83642 22230 19184 90006 29089 47902  
76757 08996 04923 57975 13979 90996 02519 24441 41369 16432  
38027 73235 89558 18211 49800 40140 32546 16784 67405 84591  
00505 02946 19410 97347 61840 66839 72116 62926 79160 96574  
16449 62776 68864 94926 45166 30104 19034 87533 87599 92302  
45309 21030 94093 61904 89444 74570 87340 62024 90222 33158  
22804 97196 81423 96233 25404 05568 96529 19958 94660 53372  
84858 16615 95488 57635 68806 22245 00000

**8183/6839/5264 kHz, 18-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 18-09, 1200/1210/1220 UTC**

11166 70202 45327 15019 02179  
47472 02992 05483 06002 91922 78111 16808 98201 15447 31701  
81299 86875 07391 21695 19662 05704 61914 22680 98745 33544  
71321 61286 52267 16784 31595 12620 06706 17581 77328 43662  
42065 36416 88235 14585 42183 82394 34436 73907 14281 89748  
52692 08444 82442 03964 70791 33967 84697 85969 22267 37544  
28414 07838 18626 07454 83677 38421 71295 11651 19341 42372  
80461 10700 11442 40972 32982 16117 78672 08225 76579 30063  
24586 00630 62484 27319 91221 44095 73725 65483 53858 26410  
81250 34334 11554 68721 95070 80283 53183 74455 02606 66870  
03644 79115 11427 57227 79931 49399 38585 29450 11767 05062  
13703 60823 06450 61984 88025 41830 62653 19856 66618 05878  
62824 42932 05895 85691 98883 07296 43662 32301 10916 13057  
53881 57564 43537 84929 43307 86163 49623 09633 32230 28009  
96090 83539 86467 06996 51413 69015 92827 07043 59568 82892  
95210 21350 30091 65503 33539 15824 98936 03726 52718 42597  
39824 06459 73791 64579 30758 55991 44499 76987 05417 83674  
11414 36782 44084 43352 80847 35953 83830 80988 60717 79586  
52607 23916 00554 54661 56963 38155 71838 00502 78058 27235  
55868 16823 55667 70959 31320 70324 64855 27545 78710 85742  
15023 47584 43946 32321 25999 73256 28129 41626 60867 21231  
95832 17652 20227 72699 19014 25136 27561 18980 98759 67054  
60406 36114 32057 87192 07016 19215 00000

**8183/6839/5264 kHz, 19-09, 0700/0710/0720 UTC. Not heard**

**9188/7673/5872 kHz, 19-09, 1200/1210/1220 UTC**

11166 70202 36254 18020 01739  
08918 17543 61221 06431 11799 86445 79684 75809 80640 23494  
44656 76952 55966 89093 22104 34404 09009 56966 43410 93908  
87703 37851 92615 02407 35427 66974 12522 82278 80938 47472  
90568 04498 22938 66967 10448 90413 57700 29468 80357 96828  
23210 69792 73876 64060 58235 42695 44353 31681 99786 03899  
98780 51629 67380 25192 42078 53355 07573 10809 27719 40723  
97170 07263 75642 25324 28579 23820 43394 25910 25715 05814  
61418 88628 63916 27970 68455 07743 92308 99942 07972 51530  
82032 01247 71556 23039 48803 87769 00242 10405 23210 37050  
79654 06397 67220 24525 89970 01894 60304 47902 96571 82974  
03624 41887 92383 86302 15737 50408 27795 92510 18231 48567  
89118 62248 34741 31468 11531 44600 51784 12143 37405 12556  
14848 95734 56013 05214 58167 22147 85493 81412 91634 94329  
83055 14476 93271 34404 94336 82760 80710 34801 77857 35685  
60112 96612 65518 39947 75964 72333 45058 35588 10199 55184  
75432 56624 04057 82210 71038 95903 01151 43330 15715 18897  
35156 13529 92480 56097 10562 50392 39920 28721 49937 24152  
71172 20171 00000

11166 70202 15478 18021 02239  
86674 14830 39063 47052 93886 51410 25231 97635 62626 59662  
16518 40430 89558 64886 24263 31331 25135 49196 83329 41102  
80468 29662 61562 96454 01503 72880 51393 31779 96391 75656  
91994 93702 27049 66484 95450 65665 00796 07524 75362 04710  
23035 01744 01335 07661 96905 34933 27776 48886 80844 07263  
70458 56830 39998 34085 29264 21502 52416 20659 80561 50110  
55966 40488 87647 13025 46919 71963 02699 47269 66117 72984  
58653 09704 33688 98269 74484 97119 18228 89017 22280 75405  
51395 89630 29584 84982 23852 71163 15420 14704 23489 66209  
83455 61390 01875 44894 20722 17209 79866 86673 75344 52056  
28315 27613 11711 83161 84806 87849 66520 49079 92380 08916  
54151 30262 71149 55614 94775 83407 58776 62125 63671 81758  
80725 27049 85162 78548 36252 87055 19624 35784 11035 23837  
16990 85533 52416 84043 35206 15941 68177 16907 47060 99121

34782 59214 83825 03140 26033 22340 89165 55266 98076 61011  
81720 48680 91691 28509 49830 09825 37797 47966 26821 68589  
77130 54484 20299 98517 30010 87723 93874 19212 77145 39679  
24782 78142 37411 87313 85803 54037 53533 64746 24949 49033  
21627 54675 41332 61794 25515 03730 80667 58769 61771 91431  
98844 85781 66422 07463 66996 87139 79249 16913 16511 24455  
06623 18213 47428 12352 68811 23425 48646 13264 42700 15585  
03384 58495 35858 62782 78333 87739 52887 93666 19949 24248  
39998 21221 00000

**8183/6839/5264 kHz, 20-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 20-09, 1200/1210/1220 UTC**

11166 70202 25498 19022 02479  
92242 15931 33340 99719 75783 39370 10749 45558 87519 53619  
74207 95688 61241 32005 87193 26750 51407 78146 99424 20416  
06799 12967 75639 76037 77464 28196 56894 85880 34667 04827  
46566 33897 08496 19945 38253 03974 72847 90370 27755 08584  
32455 26562 76327 73796 91657 95207 17384 41561 09593 13944  
23852 75220 71505 26646 78355 79181 30854 32713 13421 68687  
01909 68805 13887 50617 07525 66453 98707 01268 11774 33986  
24344 52038 92134 36210 76918 18965 30915 70285 45330 37042  
30603 61224 92510 85265 82829 25464 67019 13335 45636 75931  
22148 05951 08723 67064 34742 45658 51378 03199 40912 60146  
22776 58779 30824 64972 99309 83821 69767 37627 98677 93065  
37669 83884 55391 62261 04267 82376 87390 80013 82096 18328  
08469 28641 24517 42386 66178 92464 60927 15491 09918 16986  
86387 25712 18878 67375 47819 87998 44543 59716 93971 62779  
47423 63439 81352 54342 32725 98389 53296 74939 14619 74951  
34368 85555 63822 50691 07285 49270 18162 01926 64549 58151  
60816 33680 51968 19633 95917 76460 46264 13293 76211 43276  
33945 53979 62443 45359 83642 22230 19184 90006 29089 47902  
76757 08996 04923 57975 13979 90996 02519 24441 41369 16432  
38027 73235 89558 18211 49800 40140 32546 16784 67405 84591  
00505 02946 19410 97347 61840 66839 72116 62926 79160 96574  
16449 62776 68864 94926 45166 30104 19034 87533 87599 92302  
45309 21030 94093 61904 89444 74570 87340 62024 90222 33158  
22804 97196 81423 96233 25404 05568 96529 19958 94660 53372  
84858 16615 95488 57635 68806 22245 00000

**8183/6839/5264 kHz, 21-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 21-09, 1200/1210/1220 UTC**

11166 70202 16254 20023 01759  
80827 65140 56417 28297 24754 15319 49399 50431 55443 38287  
59004 08119 71393 51599 73372 18891 19422 60131 45762 68446  
00064 01776 16783 90572 10940 83080 86338 95605 32819 28267  
52466 33370 88027 90063 59251 01514 25923 95793 21017 35206  
15095 27152 14970 39109 46999 57117 59490 47580 80703 92423  
20255 24031 83428 95038 11374 35380 46588 81083 83743 62551  
81995 20632 17789 32931 27935 86826 62785 85751 19790 27745  
89957 06304 04900 59460 51527 89954 06353 03734 62912 21868  
65384 18766 50251 83402 17078 96460 30455 21096 79059 24622  
15958 39188 57857 37530 45521 09679 05924 62215 95839 18857  
85737 53804 96883 04534 16398 30413 32190 15721 12283 43094  
29376 07952 91958 69127 73092 70768 09545 86206 62343 26808  
91298 65931 31651 06366 52140 75157 51605 18915 97035 01681  
51006 32550 61934 77667 27768 97266 73943 99276 40784 73035  
35431 65911 99935 48594 61732 87536 96432 61896 27174 33502  
40671 58169 99066 21307 99805 46492 64392 68737 52205 40859  
78840 57833 01001 96648 92902 84092 13899 78434 34702 89378  
81447 20091 54252 23173 00000

11166 70202 25478 20024 02339  
07840 27609 92829 90886 66241 19962 56222 15489 25024 80513  
31160 45894 29744 38205 43081 87976 78211 99237 83818 79973  
32000 98416 37032 63404 89786 59562 49052 81031 95933 32204  
81072 81573 82772 96722 03626 35831 70010 55142 19282 93934  
69701 49747 24508 38391 70231 76730 46625 12616 97730 87036  
16799 29641 78377 91608 65006 90691 50009 13208 47908 68308  
96495 52013 45574 33708 03297 57171 87986 33076 57649 21492  
97275 42460 41828 41476 56605 55978 92901 09864 41662 87006  
27435 32888 75683 87046 54565 89426 93944 11953 25907 74230  
28672 90212 95690 92424 50294 72967 89613 97467 25980 70452  
05807 89752 81402 04559 96371 18042 76656 32186 02919 50921  
32282 19097 44557 10460 66317 68929 81745 85267 28325 37089  
04478 65128 41329 84185 18212 64412 87601 48703 25990 26436  
99232 43602 30194 25975 39422 06536 02362 12099 85431 58361  
94508 58535 49136 49644 90393 13736 96111 99834 20158 67838  
49190 58813 86785 78710 87429 45478 77817 24262 76431 43080  
60752 73216 90937 55979 85583 91524 15660 57511 42893 26613  
35262 83661 50960 36647 49439 52221 70304 57008 74039 12126  
69107 21161 14147 52648 87954 78100 20089 27153 77327 73574  
62277 71078 06292 87259 85845 18852 65810 43079 31002 49416  
15121 34863 30042 15056 44624 34513 16969 33212 53710 74886  
10633 45974 66961 24569 57361 76933 37170 96733 43979 40088  
08624 59260 17199 80486 39061 38326 70274 51298 03773 32628  
82895 24231 00000

**8183/6839/5264 kHz, 22-09, 0700/0710/0720 UTC**

11166 70202 15486 22075 00049 00000 00000 00000 00000

**11123/9425/7526 kHz, 23-09/24-09, 1300/1310/1320 UTC**

**Unexpected transmissions with the missing message nr.**

**They sent message nrs 23 and 24 on the 21<sup>st</sup>, nr 26 on the 26<sup>th</sup> and now message nr 25.**

11166 70202 00000 22025 00399  
21028 78599 13094 55647 64195 36641 90897 69340 11779 17103  
47246 09757 00376 98019 90715 23462 34029 29804 49575 27388  
60931 58330 40332 93478 89911 25804 72172 55860 36218 16328  
57876 93149 34792 09650 04363 81046 83879 25037 00000

**8183/6839/5264 kHz, 25-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 25-09, 1200/1210/1220 UTC**

11166 70202 15327 22026 02139  
01229 59511 76138 96405 63702 56466 59138 78980 96778 34492  
70596 33460 07745 45335 20792 43924 55441 50458 28338 34958  
95396 65465 36072 19846 64511 02282 15712 92603 84987 07531  
53469 24798 92173 20532 33813 53090 16032 99371 63550 68438  
70900 88472 03446 42899 33249 26110 99535 54963 12102 15300  
31336 99360 41837 06514 19141 92284 52022 65635 57584 07954  
93999 25619 67661 07464 28890 45270 84388 45863 06715 23595  
22306 48386 91315 43155 85992 31784 10763 40860 17788 11694  
37940 29643 99908 81975 30995 19451 53154 76964 88333 10984  
99368 72566 97861 60637 79876 47142 85143 40061 47042 08111  
90182 38792 71185 95216 27493 83389 29993 96389 09171 71508  
72656 37149 35629 44355 75891 29469 83707 45962 34046 91059  
46823 42708 50476 71001 06865 01537 22378 42650 42515 50302  
36265 49782 03678 68681 16278 16886 06716 83089 92513 59557  
30170 64037 81560 55928 15656 49365 96429 65071 03626 41799  
28065 03309 58678 54253 65630 14377 64112 01332 47742 94364  
90395 60453 61858 57389 67258 51043 33988 52915 14080 05232  
75935 70687 08270 28495 82232 94189 96316 73664 93981 88574  
77210 76771 71771 34012 12903 28127 44868 40378 45520 77102  
28858 04229 25990 94038 28936 94003 83791 37721 71033 74383  
92492 01855 27951 05746 10792 38988 32716 79655 03725 85307  
96317 26211 00000

**8183/6839/5264 kHz, 26-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 26-09, 1200/1210/1220 UTC**

11166 70202 74125 25027 01699  
07768 75888 97389 79357 36221 54325 32057 73193 48434 33203  
28699 33583 65874 45813 58531 15408 31965 29358 83043 78435  
82144 19021 43057 26356 07779 11257 93971 76764 74858 01023  
10641 79302 83409 22613 10318 24115 78578 48801 67101 07844  
49304 27968 16324 49314 75527 63903 72319 72122 09881 67972  
08006 96307 04772 38335 69725 06286 20834 45901 25771 87246  
77646 31712 72044 47194 32689 45434 43283 66820 99442 79657  
03286 44390 40605 79674 12583 27846 97327 33447 96986 51299  
40431 71422 65452 18103 54532 30913 50702 97698 91012 64703  
71033 28418 50778 98590 36754 43425 82741 67535 49694 62001  
08957 85113 69212 13336 12364 25957 43148 85035 48057 25867  
27149 13520 64035 29297 40819 58505 423 \_\_\_\_\_  
\_\_\_\_\_ 1819 51986 93915 01234 37266 94908  
97017 34500 68828 61203 82545 90500 81170 37262 97752 57051  
46066 20399 96486 14680 97671 13996 33607 02514 30718 62179  
57173 72934 42539 03753 96816 27195 79897 50042 71739 49173  
76525 16360 66784 79470 92325 61772 50008 27167 00000

11166 70202 25896 25028 02159  
81738 08922 95502 69843 14276 52856 16629 58829 56367 50970  
54769 33771 84203 15445 01955 85454 79905 72875 46117 03328  
14623 73519 86080 94176 60639 45 \_\_\_\_\_  
\_\_\_\_\_ 09477 62244 00730 41326 84780 27586 10124  
94600 47026 39959 86613 94589 56846 49283 88551 51883 36310  
86486 48494 93786 19578 85527 27027 52207 86072 18005 29578  
66472 68357 01306 90913 24544 51914 66228 56988 91033 08995  
95010 18851 95480 33753 65709 78288 79314 70819 63866 49895  
24956 54535 47392 29256 15475 01011 75613 81926 98259 20199  
38419 32907 51118 40188 46436 61289 74270 60879 68184 29768  
56648 79246 25139 03698 89950 53374 80638 39399 28893 \_\_\_\_\_  
\_\_\_\_\_ 68 81720 13360 31471  
99273 37824 19785 58278 32399 27322 28724 20680 85181 56330  
05405 93030 45481 19595 75772 41166 98018 93426 59932 33 \_\_\_\_\_  
\_\_\_\_\_ 10601 01610 95925  
07347 06068 44788 74141 75566 60512 21923 75302 13393 82694  
62830 53539 91744 03552 78906 24413 56273 65571 28754 86759  
05334 56400 04984 50491 97741 91388 65660 87543 76256 74733  
58804 48153 17719 93936 13404 09655 45790 27244 95362 49987  
67226 68757 51833 63089 17623 00920 92362 58385 27568 69038  
80289 11534 45152 37561 32840 58634 75752 32763 53342 51080  
25047 01561 44021 28213 00000

**8183/6839/5264 kHz, 27-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 27-09, 1200/1210/1220 UTC**

11166 70202 51327 26029 02199  
65560 82553 77935 11639 12688 48378 43060 42566 20299 83641  
67031 08803 23912 66492 18406 17172 52831 94408 14322 77168  
48551 19950 18051 82472 41066 76076 84306 31230 19033 70692  
50738 77292 54714 55129 99060 29603 69646 96222 34248 41905  
51969 06716 55226 59985 61348 13623 15517 18613 82437 69296  
97251 05372 12814 34831 47006 33588 96317 90541 46889 91509  
37746 53162 19319 59958 59829 04481 88933 15614 88426 61084  
50064 62140 76892 39900 13214 56325 05525 99238 28977 21428  
17062 59992 12838 64923 74145 36717 19285 42826 49698 33251  
38682 37785 86142 82581 15326 43138 84407 35627 10137 70100  
08665 28641 56414 20302 17713 83916 82095 90826 58967 23473  
96956 03975 85987 00420 68196 78905 85463 77694 32824 87370  
24634 08833 20318 60717 55029 00492 83963 40344 33517 61396  
64320 88801 46558 67389 33267 03730 48636 97296 92034 01809  
50767 19272 21692 64922 20062 32316 09507 65713 76248 92663

99623 14720 96112 79723 41492 96280 61778 81246 34495 85403  
13785 02431 92194 62770 94869 28633 74653 70077 95431 96386  
62257 72900 36574 52397 69477 23253 51695 05228 22012 39058  
52542 99337 45745 42684 90683 66175 40962 25762 50323 32009  
40249 32454 33401 87184 73531 78370 22922 46493 88666 47313  
35431 55342 01053 33045 98603 21419 70673 18261 14859 76516  
30014 07959 96949 98240 11313 59385 86459 29217 00000

**8183/6839/5264 kHz, 28-09, 0700/0710/0720 UTC**

**9188/7673/5872 kHz, 28-09, 1200/1210/1220 UTC**

11166 70202 84612 27030 01679  
41490 85950 42996 74035 43773 17530 98495 23456 69914 40607  
61582 06589 70073 93848 39914 08378 77239 58575 97006 05954  
49799 65376 54039 21392 54055 00423 90183 67134 10116 28680  
27418 13790 49602 76206 10745 34968 58613 38709 19751 08868  
04382 08567 72467 81277 69051 37499 07440 19700 39033 77057  
54959 13268 23351 64143 33399 98157 99442 43732 31579 13172  
09832 45993 63106 15188 58116 59984 03624 09155 77713 71127  
46909 72334 71793 54629 40757 77457 47848 42057 88580 44509  
95315 03241 27685 75797 79719 10691 20121 54021 51743 78737  
17090 08014 94682 94543 82813 75844 58722 83220 88809 19973  
55455 74196 14530 74144 11103 61056 15265 26708 01861 72011  
43286 70050 19806 93215 33141 70825 42820 12088 87044 40679  
06940 72855 21315 12146 04597 61477 59770 49409 57167 62160  
85040 48610 35283 52641 83732 07402 25325 30424 46371 68421  
65549 87164 08068 66378 00285 73386 40846 33447 25629 20715  
33573 42640 25081 13820 20413 93866 18566 29253 43768 72343  
73265 83366 62616 34069 49706 30165 00000

11166 70202 96123 27031 02179  
80948 35384 25283 33153 38133 84959 22597 22661 79165 51621  
33610 17309 05693 27556 14052 44750 75979 79063 45302 36265  
43380 32660 33647 66822 75377 64011 23705 65928 26620 56890  
61942 78982 64408 24331 71231 83795 70053 09192 22375 91973  
64553 06288 13545 89856 32028 73297 93564 98693 39338 22631  
89983 58742 75340 11435 27866 66979 58203 71934 50246 23120  
84230 49292 76176 63618 16623 39177 57317 88344 37621 42225  
18990 09630 12466 77583 96649 78356 38610 22721 03700 66788  
78621 71704 91591 12830 00217 29107 88153 55392 71859 81759  
25069 15569 87365 15513 90461 03291 17949 69216 67512 54161  
15140 43081 45047 26157 13029 03632 11039 10873 03262 52427  
64953 39011 81221 50735 09882 84794 86844 17354 10397 98992  
88500 41765 27068 25246 83378 79807 63573 79385 12810 24055  
87350 96419 15976 66092 09714 74891 70428 92868 36387 73281  
92863 84327 24384 38152 98588 04487 06168 68716 43122 03166  
67044 47523 94345 70544 86699 91932 08681 11745 80852 06098  
09689 33613 03930 38104 92559 60904 98719 71982 02914 24041  
03932 09271 63360 85646 55611 19814 46240 98034 43330 66488  
16009 08844 07107 33540 89674 56999 85982 13226 88748 26204  
54200 30439 81131 48122 05910 10014 36382 72476 74357 16393  
42798 46208 96473 20344 59760 68919 58819 72413 03753 16767  
85808 87813 91529 52003 56158 31215 00000

**8183/6839/5264 kHz, 29-09, 0700/0710/0720 UTC**

11166 70202 23789 29022 00049 00000 00000 00000 00000

Link 80214

**19256/14521/12137 kHz, 07-09, 1310/1330/1350 UTC**

11166 80214 95163 07056 00049 00000 00000 00000 00000

**19256 kHz, 14-09, 1330 UTC**

11166 80214 34571 14072 00049 00000 00000 00000 00000

19256/14521/12137 kHz, 21-09, 1310/1330/1350 UTC  
11166 80214 23156 20013 00049 00000 00000 00000 00000

19256/14521/12137 kHz, 28-09, 1310/1330/1350 UTC  
11166 80214 68931 27038 00049 00000 00000 00000 00000

F06a – FSK 200/1000

4795/5463/7329 kHz, 01-09, 0400/0415/0430 UTC File 44495  
4859/5547/6776 kHz, 07-09/08-09, 0400/0415/0430 UTC File 44496  
4859/5547/6776 kHz, 14-09/15-09, 0400/0415/0430 UTC File 04497  
4859/5547/6776 kHz, 21-09/22-09, 0400/0415/0430 UTC File 44498  
4859/5547/6776 kHz, 28-09/29-09, 0400/0415/0430 UTC File 44499

16329/12217/11125 kHz, 02-09/03-09, 2100/2115/2130 UTC File 04487  
16329/12217/11125 kHz, 10-09/11-09, 2100/2115/2130 UTC File 04488  
16329/12217/11125 kHz, 16-09/17-09, 2100/2115/2130 UTC File 04489  
16329/12217/11125 kHz, 23-09/24-09, 2100/2115/2130 UTC File 04490  
16329/12217/11125 kHz, 30-09, 2100/2115/2130 UTC File 04491

12211/10576/8075 kHz, 13-09, 1400/1415/1430 UTC 1 msg, 130 blocks, file possibly named 44429 (unconfirmed)

13835/12204/11156 kHz, 29-09, 1900/1915/1930 UTC File 04422

Link 80159

11128/9467/7464 kHz, 12-09, 1520/1530/1540 UTC. File 80159~1.TXT (2022 bytes)

11100 80159 18754 10144 03279  
TOGHE OTORS FCUYS YTVVQ NRMK SJOHI DIDSB QSMDC JELCR DYHWE  
MPGGA XJWEK LAJPE SNRMB SGDHI HLALV GFRYT PLTOS GMYWQ LGGDR  
IUPWL KTDPB HEIGE OBKAR KXIQE CYDMS NSRUO IADXF RQBXL JYCOR  
RYNNV UHVXY SLMMO SMGWI WJEHQ POOCV FGMGT VWEPL HGRMX JLWYV  
IHGRQ OKQLP UUOJH SINED KGKDR UUNGB OSWPH JRECO RBMTN WVAPP  
AGBTX UAELT ORSBI EXUUV RROJQ DRGSD HJJJU MVJMD CQJTT HUFSS  
PLUJD TXYBO NPJMW LCAQW XDGKF VXLOI VXSTH XHJDF EJPMA XWRGC  
DLSLM XECIA HIELT XKOPC EIDWJ CTAEM PLOXE EPVTF YUTND OIVUN  
LPDPL VWIII JLPXM HGCMP DNSGF KVTET OXAOG YGPJO TWPKR MYKSC  
EDUWL DYWDQ VWDWC IUBED SNIAT IFDJD EPUGA USQSD HCCLI MMDJF  
HVVNN FHLPW MGWCS JGHEP KSLDP VKRNA OMHWN EHNGF KXLLW SKQTX  
FDGMG DCNYN MVDQH WJPOE LEOV MBOKA FYGVQ PYLHB AVHJB EYXCM  
UUGFA AQAXN MXTEM TJPQV XAXOR CHFNH QUOIS IUTFO YGNRC WCNKJ  
UETBO MEJDQ RVWCS AMSYF FSGHM HJAA YATLQ XBKYK VYQUU GLKVX  
AXVYQ APJKC GQSCJ BGNXB EGYOD RNTCM ULMNO UWPEI LFNJH JDLMT  
GCOSC IJPBL KLXGX TIQIB PGEYO MVBFG DPHFR MYYEG HQHWM GAKJU  
FFLVW SXUQP KLBEV WVCNV UWYBX RHTGH LPMSM RKEEO HVFCB NAUEV  
UBCLU YVCVG HJPJV DOWBU NLQYQ MBIYJ MXYKH HJASP JISRI GVTQJ  
ONJPV IMDXU RBLHI JGMBI PFQWH HMMRS YTIYT QGVCS OKLGL TJDIO  
GNSBC XNKHE JBRHF FUQMO LEWGG IPARO JTDOP RUSFG KJTMJ ANYKB  
NYFPV \_\_\_\_\_LT YEVEI TKOFN IWNVQ JVVUI WNISJ AMSGD  
LSNOC NMGQK QTINX HSWLX WSEFO SPHVE JQTLF XWKFH XPTDB VLTYY  
AWSXW OWALD SDCKC BYVLR KAEAX PWECA QNCOY DAHPC GPWXF OPSIX  
KESIN DEVGH BDOQS WRIIC FYBIV IWQIA MXSTM CHEWA LLVOG QWGGP  
JINGN NCNON TOFQU DVUUB CWPQH BTDDQ MWIIL HVBYE UHDIH XJASA  
SKGSU WJQYU BJREI ESLIE SJPMG HPSOB UWQNJ NXXLU FPFJ IETCY  
TWMQD XQVWD AWOOM MATWK CGOQE OOEKW QLQTI DVTLK CEOCD XDAEL  
IVCAS IBUPM JDRGA WDELM JSYDP DOUSN KIXEO MBEYK JBEWR KLXRT  
YVVRM FWNRR NEVNE TXLMW CYXOS KEQAE SGOBX JNUKS OAXTA WLNTW  
QNNCW QQTWK ILVLW MHCYH TBYAL WAUBR YFUEM MDYHV RVLEM RPAGK  
SFVVT TUTMG DCTDV FCACA XJOVC JBRVR TYTDW LSDTJ NTUVN PIFPK  
KIKWQ WHOUP VBNSC SOBKU IIVKY SADKX FSGJL UFHTA XCGTR UORYU  
FJNBO XNTCG XIEYD PNHRY RIKGW AEMHW

## 10755/8063/6782 kHz, 21-09, 1620/1630/1640 UTC. File 40144~1.TXT (2223 bytes)

11100 40144 45763 17158 03609  
EBITR OQBNB CMQIF BNBHR P\_\_\_\_\_BL  
GFBNJ UCYSC SBSWV EOKSJ MNFVK DSFDW PHEMG FWVFW ISUBD CSMOV  
GFYXT SAYFQ QUTYH RGELEW HDSFT SDHIH ODGHX YPJFI CCCXB BPJAU  
EQCEU XFNNR LLEXS RTXMH ENTLK WYETW FIJMV EKTJV XUWVI YMGET  
OQUMX XENDA OSFSL KHRDC UIKIL NKVCP WFSCB NNEPV CKJGG VAHSB  
QRJYU EANDF VHTOE YSKTA PCMFV SGIUO WBJTE AOJKY QNVPX XRCKH  
CSRTW HCLYS RKEBS BARUH MDMJY TNDQW SXGVA MYTNQ XHPTH CWRAC  
FKFIN DUTWQ VLCJG HJCHQ BMIGT EQRCH PYDLK WDG TJ LRQGW GIFEQ  
PFWDE OKXCY HWJNP HAJXC BFVCV OHPCE NLNPS PIBAB AQMAH NHBYF  
Cwmvt Mwdmw Gbdwu foymm bgfal ontlb gcaau mefqf kbxbj sckvg  
JUIWD YWBNI BTTRP OLIBG NTBLT RFSDT IIRWQ DSWKH YRPAN TCUQI  
PHLGD YJVIB QTHEB PASJV MO\_\_\_\_\_SJXPQ YXLBH NDAMG  
ALOSM BDUUY VRKRY TQWIA GPBWF KHHGT LWDVV YHQLU IBPKG DUEJW  
MMRPE NUOSE POFNS UMYBA LGFME ADTKK YOFXO UMUAM IWBUI WGROW  
VHWTU LVKDU PUXGR OWRWT PBFCT TPESJ BGYVE KDGEM BDFJI XDVTB  
VRLIA JVNTN QISDA LIFJF EBMWW IPDNV QBLDJ KPJUA TPDRJ ATECP  
HQFYS KMKWX UAFIN THMIN FYTWQ BNVII UCXCC XYKNN SCTHS GKMAW  
XJTXB LHRTC DSKLM DYQAR PLDUD BCEJ MVMHA KXGRI KMTKO PDJJT  
NGMPT XMCAB NTOXN RENAR WLKVE RMTYM HXXCY DSWGS EBDTG NXWIJ  
XDNXE PLHCF GJAJJ VBVQR WRSMW GLGYE HVMMS JLHCH WP\_\_\_\_\_T  
\_\_\_\_\_TMACT IUORR KEVRC SACQU THVUI SXISP TITTM EVBXO KPGAC  
REKEN IOHLF BPBMY VWPUM SBRGQ SIKMB WIGCH SPVPL RWPAL RFPJG  
NKTGP Wwhtv QQBKX VXCMM FLHGO KIWGV XRTHE SASBR MURKE UHYAX  
WYQOX NQMVF UBGJG FRNWW TWVCG PNNIT PFEAG DSAKU XJDHY FVOTR  
HJAVC KCBTD PJAGJ OHOCV DQOWX FNNSD NOHMG MCGFI GTBVT TDVBI  
WFVGE XNXJE IARTY MFRNA PRQFD DSRUG YBKDL PAIQI SKJMP YLSEH  
XUPFJ TVXWJ HKHIF RLNSS QRUYV KJDUQ PYLQM MDIBL SLFBM XIWGR  
YJHYQ AXTNL ETONC KTXGK NHTVT GWQGQ YONHW RFDYF LFSSK QQQDQ  
PYXPX XUDXJ RWNMK EJYHL JSBAP DVWPY IKOTS YJHWE YCXMM PRKAL  
RMLCX PATAX HOITX XKINV DYMTM FJWQB SJAFU JGXLB MFRPD VDGGE  
AYHIX PJVIE PYXPS BYIXF BDDHQ DYPBC MLUFV GTTXX GAEQL NHYTY  
KTDTI NUVER CLFME MVMYMN XQYXY HTCYG IQWFO KSLK GHFUK CNDAX  
NHOCV EUUVW YRXCBC GQGLG RHNVN HYOPR RTLKH BFDVQ BCINH DMXPL  
AJLRS BXNRQ MCVGU LDABY NQKJB MGIDK SJFYI UTIYU DMJPD MCYIM  
EGTIK BXTAF RCIJJ HUOAM XYYSV TVQVR PVBHQ OAYUX YVNNNS VDMAR  
RIJLN LROVF RHDOB NSTTP GATMP NFKNR VTDJG FGFAE SUFPI

## 10316/12219/14652 kHz, 25-09, 0800/0810/0820 UTC. File 00173~1.TXT (1961 bytes).

11100 00173 54312 23146 03179  
SMPJQ FVDOW VJDBY GLXBW TAKJP QGUSP RGCWC GUPKU AGWRW JJPVF  
SLLKG UUDOM JSSJV DNKIX DIVUE YSBAX UERRJ ISLUB MYKUF UDURH  
EMNEY XKAHT VFQGP EPFHD MDOXH HVTGJ TACHJ FWBMR NHRHK YTYEV  
NEMDJ BAQBH PVNFU OTNUW EUCGC VUBYU XPLCB DLCTF BFBVG EWEBR  
NHIFU EJKUW LYSHF UBKKY JHSEP LRRUH SLLKU FSQRI KOAIE AIOYJ  
WPTFV RVGFD XRSYR NMJCE USTVY HUMNX YQAN CXDMH PNNMD TYDGX  
TEKPG GDWEW TSWEX GMFFO SFFJS HINPX YICBW TIXWR NTJFC WTOWP  
RBUHV VODYM RVPAS EJWOU CXDCU WSERE JLEIF NXQYN YCVYC NUVTL  
TMCHC LXRMK LKYSE CKQIC TLNBI QIMUJ TRTGT DKSUT RHSRC KCTFA  
LARHC NBJIP OXVUO DNJBH SQJRG MOMXR KSEUG YIXQW BQIQF SKVJL  
SAIFF QSJVP PYAQY PBTGB HBNLU SVGOT PMFFL PKNXY THRNC GSXJL  
DAUCS YYENY MAHBA PFIXR QBCRO FYUYU NGKES GQFIB RISLV KPKAH  
IWQKX SJNBE PMRWX IFDKH PJQQB OHJJH NOUAS WAEBY WYFVW KRNYK  
BHCAM YIOCH NIQRF DRLOP HUEOT YCNAF KCPOJ VAGOK GCGDO NANKD  
CSMDR ASHCE LCQGF JKTSF XTIIIN QTEJS RBNCV VMYFW QVVGI HXDPO  
BMRWK DHKYC AJKKF DKRPW TLJOJ BTSXI SYBLH VYEJI DDIKL MWLVG  
IYKES QHGAH HMYQP JHJDR LSNJK YSPPJ SXBAT VEAHW QAFHW HJHKX  
MOCNQ JXHDE XIGYH OXXYX HIWYU LJNSD MREEU XIUEW OSSPN KTVNH  
GEKGR OIRUW VOOLS OYROW ENYVG NHEGV RNEXD SOJYY XVRFS TKIVA  
RBMJC EGIEX SGBRP WCDRD WFUXJ JHXUO PNHAK RQLRF LGGIT OKEHC  
WVIKY NBIQW BAGJE WURWM CHGMC FOJJH YRQQO QIBHC JHXAS ANEEO  
AEHRK WQPOY DJOFA YWFFS QNDMO LVMQN SCBNM LQLJB OTDTX JSIMH  
FXVIT PSTJG GDHEC OJOGA YRSUU NAEGO SFLVL AIJPB WFEJH XDKWY  
LHGJU QNYDX MPWKK RSXVG AXVSQ YUSGG MQDTD QCLKX UHFRH KWOTG



QLDNR PBAOD OLYKB VSWIY OSXGR FHTEP KYCVU SREEW YUDGM COPEA  
TNACN DVSFC WTFYS AIUAB WIBTB FRLAD XSHBM EAOGC MEBEO VFGLS  
SLNKK ENTLG HELKF YWRXN EGKTB QNDLO OBSAN MKIPO FCFKK DHITS  
GIMLM VTEBD IPNUW TRIWU NGQQH JNSXU SUBOQ BCGHO TAYTP RYIAW  
NJKPY MUIUR AODYT GUSPD IQCSQ FUYOQ UOMAM LRETK GFWLI RCOUG  
NOTFG BSRKL FDQDQ VXQSE CODEM TNUXF BQJSY XCQSS INHJQ MMGAG  
JXGQS FENUT OCOEN XTMLA INBFC QCCEV XHJVQ FNQXE EJLLD ENNHM  
TJIAM ATVCO LJXXU GLTFM EWNWI XAIWX

Link 10053

**12227/14423/16283 kHz, 26-09, 1030/1040/1050 UTC. File 10053~1.TXT (1987 bytes).**

11100 10053 34671 24158 03219  
NKVHP AELHM DQXEY KMDTH DIXOE IIYGT ISKWM QBYHG ORUHI UQUXD  
CTPMT BKJIA KHMEV ABUMJ GVCCL NYXWQ KMBKP OALSL OAHHD RBQAF  
HITGT FRCWX YILQC RUQKB FKKMX TFUJG LTUJB QEQBU QDXES SIPTH  
WNKFG CTWJA GDWEH LHPNH EOCUR FYNGV VJQVP CJLQQ DNJEJ LVBFA  
PDQKM GVJDQ XNJFF ITJEJ TYTKJ BLJLC PCYLE HMQRJ HHYLO DGOIT  
BRSVF PGCGR AVQKQ SIKFD LUQJL YMBWO OALIO DHUAI IAIIFS UKPVA  
AUABO PAXDU JOHDT IQPMO TNVAB KMNRX JHUSA JOIRX JSFGX ILRSD  
EIXEL JTDWB NTPSU XWTHN FYYLG NQAYR BLIGW IFRYN DHOKH RPJWE  
LBRSO EORDV TLDEW KHXVE XHRKE HCSGA WFAHU MTJNH UQIIX AKRUM  
ONXLF XGDVM CPSMA KTAWF SISJF SUOFS JIYEC MURKT GPXCV JQIHQ  
JEABN IVDLI MDYJJ ALLQW XHCYV FNBHO NLJDO ANXVC BWCFT HKOXS  
HAQAE BTRTM JKGXA OTDQU TFCPS ECLKX HFMVD JHDHF KPOUR FHIQ  
OTCFM YTAJY CRFFJ PNCHD WKYBO NQACS DEKWM VMILO EORFI OFUQC  
ABIWU IJVKO EMLPD JNAWY SNFUB FCMPE WJGCR EASXW STGWR DFSTQ  
QEIJJ ULDWR LWJIY MNTKM LMXBV PPIVO XTIES LPLRX XHTKU LANTD  
QOGBV LKRGB TTPLS EEWDK EFJXB OPJGO RQCUV UVMHT VOLIL WDFRR  
FWRAH QVMSC QDARX UTRTL SWWKX PEJFM CQFXP DOYEP VQDSV OBBUG  
YYVNG JAYLE XXXLT GVVBU DRFKQ YPNEV VUJLP PYSYD XRSPM LOFTY  
KPFVU WDPEU SIWJJ TAMJA VYMLL LVBLX IAHC OETPI VOXMD PVKTC  
BAGNQ BGHWI KGXXD ATOMY ACGWT BVAIK PQVXM DICTB GGOQN JJSNY  
QRKSL XYQNQ RMBYX IMEGH AMGOE KOMFO UEDEV IUPCT SJKTQ EQYTK  
FLHJB XQJAB WGLYB BHYGA JPEQN DRARB OSYMK KPSOE KKJWL KGYVT  
WAVJT SMWKN ACSEJ HMGNH PESMR BCWBW PAJNJ VMNHA AHSWS BGXDN  
IPPJM SPVAE NYPAQ JNXMS NAMJI ORVMN GTERM NSFWR AHKOA EFIPC  
CPFBT ENQJG VHEOB FKBAP DOFRA FWYSF SURGW TPPIX EGILP IRUQD  
KDUWY AHRLY KQUHW JRMUD YMDUS JRMPW NNNPK MWJXW SUTHK PKJEY  
VNYWY JALWM CPQVK JDQXD CBAEU UARB M LRHBD VAICG DODCP ISKED  
GYSLK XVSTF VMDMP MLMEM WHRBO FHXPB PFFYK SDVFN OTYYJ JRAHH  
DSJGF FYRQH RCMJP KGPKX FSESP EVBBF FACDN WTFQC TTCNJ CIBC  
MGDRA HGCR L PGCSY CJAVE SSVKO VHPQW JHOUI VHLKI PUIQA WGCUM  
GGBVH AHXTA AGGPY VBMCE UHUCA KIHEV YIGKG LQAYF JWFVK RXQAW  
CBHBA SJYRY LIUOL SSKNP TQLBH QGHSN FHVRU JLUBH BKQQL IVEQK

Link 79993

**6957/9425/11611 kHz, 25-09, 1200/1210/1220 UTC. File \_KI799~2.TLG (1556 bytes)**

11100 79993 16927 25023 02519  
77936 08915 82502 25103 42307 28742 85101 23285 98501 32908  
05783 45378 99578 77207 51036 36414 08571 41125 14937 25036  
35069 79535 81402 53566 79339 12004 14451 48024 76138 10624  
41125 51516 55423 72324 56788 69443 62144 86588 07465 99964  
02315 34520 28919 48154 07522 80193 47165 47280 35100 40229  
70086 35656 46121 42527 24853 62492 28416 10100 20836 21194  
56795 30936 42685 33531 07665 99843 03285 33132 70231 43200  
11246 21724 21469 62544 32648 96570 57043 57966 51699 72535  
95387 17207 60013 47210 97101 81426 29184 82555 66875 23566  
46357 01471 30122 00247 17463 22750 01496 63141 67827 82857  
87502 40750 94822 17946 90375 26538 52261 04580 05406 34340  
71218 82576 28923 07006 46960 08418 19100 89187 46678 12672  
76785 00242 17712 59840 38539 68154 00946 34103 99061 10445  
79067 99367 05205 72977 14382 07075 88758 62621 55860 50196  
30186 34696 20114 86863 70508 21138 75983 82059 13521 10332  
87429 40815 85526 14529 94409 31348 44779 85818 36430 21582  
57820 66549 48466 77476 84898 85182 83927 96617 41655 33479  
44361 75498 29272 85972 20590 33921 50259 47678 74951 44978  
52081 40938 19347 44025 65791 67392 68771 15104 31886 05960

75028 78239 30545 32808 70300 26056 58456 74228 75271 83145  
19414 28355 51492 86625 20863 16675 02666 11334 93602 51260  
54547 88079 76808 28653 68149 88402 35585 86358 65931 74278  
03216 82864 75662 36194 65316 87139 21655 68045 28064 88539  
18042 52289 37697 63057 43794 53781 43474 56868 04169 45750  
21278 73085 08262 16332 00045 72682 17371 29111 58225 25516

Note by PY:

Pretty interesting one. It uses a known F06 00000 frequency cycle. The start times weren't quite right (5 to 26 sec off). 79993 is obviously an irregular link ID. And so far all F06a transmissions using \_KI files that I've logged had a low message serial number, and used it as file extension instead of .TLG; but this one is message #023, and I presume that they tried to append that serial number in the filename after \_KI79993, which caused it to be truncated to fit the 8.3 format (like for the TXT network).

## F02 – Russian domestic net

14386 kHz, 05-09, 0638 UTC, MFSK-4/150Bd/4000Hz	Short transmission
14386 kHz, 05-09, 0650 UTC, MFSK-4/150Bd/4000Hz	Short transmission
16230 kHz, 05-09, 0830 UTC, MFSK-4/150Bd/4000Hz	Long transmission, ca 50 mins.
16232 kHz, 05-09, 0904 UTC, MFSK-4/150Bd/4000Hz	Mixing with the station on 16232 kHz. Both off at 0923z
16189 kHz, 19-09, 0707 UTC, MFSK-4/150Bd/4000Hz	Long transmission
16230 kHz, 19-09, 0830 UTC, MFSK-4/150Bd/4000Hz	
16230 kHz, 22-09, 0835 UTC, MFSK-4/150Bd/4000Hz	Long transmission, ca 38 mins.
17467 kHz, 22-09, 0830 UTC, MFSK-4/150Bd/4000Hz	
16230 kHz, 26-09, 0830 UTC, MFSK-4/150Bd/4000Hz	Long 55 minutes transmission
11482 kHz, 28-09, 1200 UTC, MFSK-4/150Bd/4000Hz	
10753 kHz, 28-09, 1215 UTC, MFSK-4/150Bd/4000Hz	
16230 kHz, 29-09, 0830 UTC, MFSK-4/150Bd/4000Hz	
18632 kHz, 29-09, 0824 UTC, MFSK-4/150Bd/4000Hz	Very short transmission
18632 kHz, 29-09, 0833 UTC, MFSK-4/150Bd/4000Hz	Very short transmission

## F07

13985 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2000 UTC  
13471 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2010 UTC  
12216 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2020 UTC  
11589 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2030 UTC  
10867 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2040 UTC  
10258 kHz, 07-09/12-09/14-09/19-09/21-09/26-09/28-09, 2050 UTC

## HM01 - Dirección General de Inteligencia

### 11530 kHz, 01-09, 1717 UTC, AM/WinDRM. Repeat of August 25th

Groups: 27881 15045 06044 55183 25805 55474  
Files: 63312788.TXT 50821504.F1C 34620604.TXT 36275518.F1G 00232580.TXT 60785547.TXT  
Callsign: QWERTY01

### 11462 kHz, 02-09, 0500 UTC. Repeat of August 26th

Groups: 27881 15046 06045 55184 25806 55475  
Files: 63312788.TXT 50821504.F1C 34620604.TXT 36275518.F1G 00232580.TXT 60785547.TXT  
Callsign: QWERTY01

### 11435 kHz, 04-09, 1603 UTC, AM/WinDRM, i.p.

Groups: 25051 01456 65707 03615 10606 81075  
Files: 68502505.TXT 47660145.TXT 85026570.TXT 71740361.TXT 38781060.TXT 77868107.TXT  
Callsign: QWERTY01

### 11462 kHz, 05-09, 0506 UTC, i.p.

Croups: 27885 01451 65700 55188 10601 55479  
Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT  
Callsign: QWERTY01

6 Sept: not monitored

**13435 kHz, 07-09, 0705 UTC, i.p.**

Groups: 27887 01452 65703 03611 10602 81071  
Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT  
Callsign: QWERTY01

**10860 kHz, 08-09, 0530 UTC**

Groups: 27888 01453 65704 03612 10603 81072  
Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT  
Callsign: QWERTY01

**9 Sept: not monitored**

**10345 kHz, 10-09, 0600 UTC**

Groups: 25051 01455 65706 03614 10605 81074  
Files: 68502505.TXT 47660145.TXT 85026570.TXT 71740361.TXT 38781060.TXT 77868107.TXT  
Callsign: QWERTY01

**11, 12, 13 Sept. not monitored**

**11530 kHz, 14-09, 1658 UTC. Radio Habana Cuba i.p.. HM01 at 1702 UTC.**

Groups: 40231 31684 64665 16175 58486 67733  
Files: 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT 63406773.TXT  
Callsign: QWERTY01

**11435 kHz, 15-09, 1559 UTC**

Groups: 40231 31685 64666 16176 58487 67734  
Files: 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT 63406773.TXT  
Callsign: QWERTY01

**11462 kHz, 16-09, 0600 UTC. Switched to 14375 kHz at 0605z**

**14375 kHz, 16-09, 0605 UTC**

Groups: 40232 31686 64667 16177 58488 67735  
Files: 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT 63406773.TXT  
Callsign: QWERTY01

**10860 kHz, 17-09, 0600 UTC**

Groups: 40233 31687 43641 16178 58489 67736  
Files: 22054023.TXT 38113168.TXT 50314364.F1C 05281617.TXT 33785848.TXT 63406773.TXT  
Callsign: QWERTY01

**9330 kHz, 18-09, 0800 UTC. Should be on 9065 kHz**

Groups: 40234 31688 43641 06451 38171 67737  
Files: 22054023.TXT 38113168.TXT 07280645.TXT 50133817.F1C 63406773.TXT  
Callsign: QWERTY01

**11462 kHz, 19-09, 0529 UTC**

Groups: 40235 31689 43642 06451 38171 58241  
Files: 22054023.TXT 38113168.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**11435 kHz, 20-09, 1600 UTC**

Groups: 40236 03101 43643 06452 38172 58241  
Files: 22054023.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**14375 kHz, 21-09, 0600 UTC**

Groups: 40237 03101 43644 06453 38173 58242  
Files: 22054023.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**10860 kHz, 22-09, 0504 UTC**

Groups: 67221 03102 43645 06454 38174 58243  
Files: 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G

Callsign: QWERTY01

**14375 kHz, 23-09, 0600 UTC**

Groups: 67221 03103 43646 06455 38175 58244  
Files: 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**10860 kHz, 24-09, 0600 UTC. Should be on 10345 kHz**

Groups: 67222 03104 43647 06456 38176 58245  
Files: 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**10345 kHz, 25-09, 0600 UTC**

Groups: 67223 03105 43648 06457 38177 58246  
Files: 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**11462 kHz, 26-09, 0548 UTC. Repeat of 25 Sept.**

**10806 kHz, 27-09, 0500 UTC**

Groups: 67224 03106 31381 00521 38178 58247  
Files: 26236722.TXT 03610310.TXT 51433138.TXT 11720052.TXT 50133817.F1C 36115824.F1G  
Callsign: QWERTY01

**10806 kHz, 28-09, 0600 UTC**

Groups: 67225 03107 31381 00521 12671 58248  
Files: 26236722.TXT 03610310.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G  
Callsign: QWERTY01

**10806 kHz, 29-09, 0630 UTC**

Groups: 67226 08481 31382 00522 12671 58249  
Files: 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G  
Callsign: QWERTY01

**14375 kHz, 30-09, 0600 UTC**

Groups: 67227 08481 31383 00523 12672 58249  
Files: 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G  
Callsign: QWERTY01



We regularly receive questions about the transmitter location of HM01. We know this is Bauta. To further substantiate this, DC in FL has checked a few transmissions. Below his report:

*11760 kHz, 25-09, 1600 UTC, AM. Radio Habana Cuba, via Bauta sending on the "good" 25 m transmitter, excellent signal and very good audio. No sign of HM01 as scheduled at the time. At 1604 the news was abruptly interrupted with guitar music for a few seconds, then QRT. Earlier in the morning, 15140 kHz Bauta, 11760 kHz Bauta, and 9535 kHz Bauta were all synchro parallel, 9710 kHz was missing. 11760 kHz exact frequency measured.*

*11435 kHz, 25-09, 1604 UTC, AM. HM01 via Bauta. Came up within a minute of RHC 11760 QRT, continuing with the RHC Spanish news, excellent signal. Then at 1605 11435 kHz abruptly cut over to the HM01 broadcast already in progress. So, more evidence of a Bauta transmission. No other RHC transmissions up immediately after the QRT (15140 specifically, was off) for another hoped-for direct RHC audio synchronization check this*

*time. 11435 kHz exact frequency measured. Already QSYd to 11530 at 1653 check, traffic in progress.*

*15140 kHz, 25-09, 1631 UTC, AM. Radio Habana Cuba, via Bauta. Recheck had carrier on 15140 at fair level but no audio. 1645 15140 up to good level, squealing w/ squeal spurs around 14880, still no audio. 15140 kHz measured. RHC Spanish audio at 1655 check, OK quality but low level, audio squeal gone but 14xxx kHz spur continued.*

*11435 kHz, 26-09, 1555 UTC, AM. HM01 via Bauta. Full level good RHC Spanish audio with Caribbean meteo synopsis, very good signal, audio synchro with 15140 Bauta which was good level with good audio and a squeal. 1556 11435 went to open carrier. 1600 brief probable horn wave sound, then HM01 Spanish with callup began.*

11435 kHz, 27-09, 1600 UTC, AM. HM01 via Bauta. Up with open carrier about 5 sec after 11760 RHC Bauta pulled the plug. Callup finally started just before 1605. No RHC audio relay on this frequency today. Very good signal level. 15140 RHC up throughout, poor level.

I still have zero confirmed Bejucal RHC activity since 9 July. If the jungle growth overtook the transmission line corridors between bunker and antennas during the rainy season, the techs might wait and come back during the dry season to finally trim the trees. One might thus speculate, anyway.

## **P07**

9311 kHz, 10-09/17-09/20-09/24-09/27-09, 1400 UTC  
9071 kHz, 10-09/17-09/20-09/24-09/27-09, 1410 UTC  
8189 kHz, 10-09/17-09/20-09/24-09/27-09, 1420 UTC  
7894 kHz, 10-09/17-09/20-09/24-09/27-09, 1430 UTC  
7488 kHz, 10-09/17-09/20-09/24-09/27-09, 1440 UTC  
6783 kHz, 10-09/17-09/20-09/24-09/27-09, 1450 UTC

## **XPA1**

### **12137/11137/10237 kHz, 01-09, 1210/1230/1250 UTC**

112 112 112 1 112 112 112 1 112 112 112 1  
04640 00100 48430 31474 54449 78440 15832 83376 03415 89098  
90771 13832 45878 02223 67442 97591 15973 64950 58614 94509  
33726 42467 25681 79116 13266 70882 00502 97224 86055 79653  
50790 67727 36142 05482 20216 64676 89414 22849 31167 00108  
40103 00827 79852 83931 90425 67146 46246 79770 76707 58061  
45173 61510 61392 03655 07894 52797 60010 19404 24831 30719  
83946 25335 00983 65515 89039 78484 90404 67063 57252 91157  
51652 76894 94601 78303 57015 25154 22177 33416 81187 95556  
09177 03617 21248 23108 42408 67972 60188 82896 75794 27845  
05991 37623 50292 40873 92229 02916 23235 98301 68207 55223  
88500 10176 45141

### **12137/11137/10237 kHz, 06-09, 1210/1230/1250 UTC**

112 112 112 000  
09711 00001 00000 35262

### **12137/11137/10237 kHz, 08-09, 1210/1230/1250 UTC**

112 112 112 000  
07515 00001 00000 36260

### **12137/11137/10237 kHz, 13-09, 1210/1230/1250 UTC**

112 112 112 000  
03069 00001 00000 35661

### **12137/11137/10237 kHz, 15-09, 1210/1230/1250 UTC**

112 112 112 000  
05742 00001 00000 35661

### **12137/11137/10237 kHz, 20-09, 1210/1230/1250 UTC**

112 112 112 000  
08454 00001 00000 35265

### **12137/11137/10237 kHz, 22-09, 1210/1230/1250 UTC**

112 112 112 000  
07808 00001 00000 41257

### **12137/11137/10237 kHz, 27-09, 1210/1230/1250 UTC**

112 112 112 000  
06387 00001 00000 36266

**12137/11137/10237 kHz, 29-09, 1210/1230/1250 UTC**

112 112 112 000

07648 00001 00000 40263

## **XPA2**

14374/14974/16274 kHz, 0800/0820/0840 UTC

**14374/14974/16274 kHz, 01-09, 0800/0820/0840 UTC**

05814 00001 00000 37256

**14374/14974/16274 kHz, 15-09/17-09, 0800/0820/0840 UTC**

00321 00157 31686 81649 43749 93447 90736 09083 52825 88203  
18432 76928 24508 63238 12509 56141 69518 66038 82596 27551  
28721 78596 13970 34994 30246 91821 11059 72445 27397 81491  
46364 61217 17279 27556 93507 05472 77397 83237 67657 20437  
16422 54061 36514 02532 38622 70855 80854 39802 99622 60252  
91000 83025 39295 27818 88366 75116 99327 69723 29292 05416  
11988 31340 80031 99256 92403 53764 41401 23648 11507 52323  
67700 53577 90562 42022 99317 08223 63547 45059 77093 55075  
71004 03189 63978 18491 86432 86639 40454 83292 03949 78069  
68158 95648 97599 47268 39468 43082 30588 64397 73376 53906  
78084 97394 65613 21541 03335 56280 75986 80017 95645 06899  
41319 57164 39200 72006 56569 74692 87248 89896 11542 14610  
18659 93153 29129 27037 49307 19671 81404 69590 60613 25429  
81493 41431 24899 79647 65176 92899 13990 91296 28825 93484  
17984 30747 68831 76069 41380 59139 49365 21269 17449 45763  
64260 12441 83374 73625 17512 79442 35048 01383 47403 27666

**14374/14974/16274 kHz, 22-09, 0800/0820/0840 UTC**

09990 00001 00000 35672

**14374/14974/16274 kHz, 24-09, 0800/0820/0840 UTC**

08768 00001 00000 41267

**14374/14974/16274 kHz, 29-09, 0800/0820/0840 UTC**

00539 00095 66946 07642 13208 89668 77021 29550 60599 15399  
36386 75139 09302 86282 27031 51991 11870 08111 88824 49650  
99476 98482 24878 08873 72981 84787 71675 99614 75853 09948  
51087 07735 77213 42009 09317 03262 96534 91374 67208 27298  
51326 48410 57148 63908 92202 78770 47137 83096 47745 52567  
46943 95418 26008 56373 17663 39728 10777 47647 45319 83583  
27681 94555 13003 41568 37880 69624 52013 63409 05508 86357  
79495 37667 24842 28495 30138 53511 58993 77009 86930 33480  
40385 27066 65517 97634 90675 75720 44870 17615 67518 99107  
09355 79754 82505 70143 42018 41861 66392 40352

13431/12131/11431 kHz, 1100/1120/1140 UTC

**13431/12131/11431 kHz, 01-09/05-09/08-09, 1100/1120/1140 UTC**

07061 00091 62296 37062 65679 55658 45300 26954 44637 32881  
29481 05361 56448 43140 56914 90201 52103 76706 74589 70462  
76487 97786 51579 63670 38788 07819 60111 20091 74228 52972  
33890 77940 29604 57580 60147 65130 02119 78096 46000 92793  
06702 55366 33230 36268 15134 34141 33309 57638 54656 47247  
23115 77368 36808 53892 60969 04143 49994 07071 96445 13289  
32452 30070 74131 87470 46301 33539 21861 28332 72070 09459  
85230 63281 98195 02841 81330 21932 68854 19172 87441 96350  
36499 62835 74947 92451 31299 67543 13277 75865 97485 80467  
32792 17480 33663 15164

**13431/12131/11431 kHz, 15-09, 1100/1120/1140 UTC**

03375 00001 00000 34262

**13431/12131/11431 kHz, 19-09/22-09/26-09/29-09, 1100/1120/1140 UTC**

04046 00199 96209 57285 24176 48753 94184 31157 63758 64107  
70977 90333 10561 80965 76934 37418 96149 19519 04830 77242  
41532 93900 36039 44369 06124 57879 63166 85081 19268 81423  
50872 98751 45798 55345 74226 74761 98055 87379 82454 26410  
90288 24804 63170 44046 33155 97147 46457 17803 80491 90922  
08674 16846 51562 97810 44332 78204 70580 09010 12160 98440  
27861 52953 97604 66577 64525 09462 07908 32080 61542 88537  
90389 99817 76340 15405 42818 55670 56619 68559 81819 83438  
65072 27340 17713 77496 91393 55586 92235 34386 35408 41675  
05927 01076 35206 94964 62080 74523 01005 81984 18389 50680  
60504 89941 32100 38558 68008 96601 49172 86719 69239 09500  
04138 05407 88186 50835 01823 74773 94080 36490 22110 36986  
48205 88973 72951 50028 07286 37424 18237 54514 59088 81155  
03467 97245 48094 93436 60986 70013 70580 03395 55319 73316  
88837 14917 84689 75802 67679 10378 91582 08529 06834 56320  
85776 51101 50276 34931 85172 25884 89764 33547 51743 00297  
94574 37833 26071 75737 76336 81418 45481 62404 04478 10218  
08637 66687 42144 81870 21547 71156 21043 69200 39275 43650  
21785 57606 22642 35290 23437 40016 50199 15635 65760 70931  
56184 13372 78117 14540 19086 03139 64913 04605 87218 68613  
64775 40173

**15859/14659/13459 kHz, 0910/0930/0950 UTC**

**15859/14659/13459 kHz, 02-09, 0910/0930/0950 UTC**

00522 00142 68116 30978 40500 29862 52020 84492 13821 96786  
68327 53693 13757 00832 72110 44680 68009 16714 16128 70020  
28049 68642 03401 36098 46445 32762 68195 76017 54583 72058  
33387 39409 10455 93983 14197 09669 51343 66954 36351 82653  
50842 72938 59237 95781 68120 72071 17167 69690 69506 38070  
16923 60495 14521 67784 62457 47945 59974 59923 72899 00878  
02261 05780 58777 20222 64290 78949 13734 68165 99726 56420  
69229 82727 82892 42809 57086 49008 34038 30190 21970 38573  
01903 33338 68329 90575 84009 66779 88658 56832 58780 63024  
21348 33864 94123 16177 95724 54160 89880 67040 63349 58474  
65110 58203 00133 89168 97333 38885 88272 90461 67353 96108  
98516 37952 24898 94268 66327 65203 31955 26022 18545 43734  
34070 92776 00616 60173 00172 62520 64551 64583 45861 28039  
95807 07439 83932 93195 94028 56111 96676 09177 28151 61611  
28847 27904 42101 17553 21021

**15859/14659/13459 kHz, 07-09, 0910/0930/0950 UTC**

03326 00001 00000 35655

**15859/14659/13459 kHz, 14-09/16-09/21-09/23-09, 0910/0930/0950 UTC**

09304 00174 48173 73976 48718 48811 30632 93722 31460 04749  
63397 17188 94453 40801 48529 90475 76988 30193 23114 45091  
42455 21149 93499 79506 93818 20072 22039 99707 46907 55651  
14027 38329 16953 99942 52533 18361 04754 87350 18642 80730  
87374 77556 51887 99842 74640 15005 11090 35552 91129 87114  
41584 94590 39323 83614 51406 76519 22110 30014 03756 84434  
05292 23098 44804 27057 52309 18450 92514 86058 25156 22353  
31655 16126 18543 46529 15639 96720 97736 13138 59239 66082  
94443 41014 80072 14710 56251 46812 04278 64217 48762 62511  
17312 02989 50580 65446 74607 26597 80021 24710 20098 05377  
14492 90166 94755 92064 38282 61835 56564 31922 01977 63820  
38041 62607 10791 38617 08491 78878 99629 42490 99921 77734  
79418 09980 04662 39052 72643 86914 16920 70683 61853 62947  
89375 47001 94547 02824 57744 76468 60162 59307 90806 38785

39380 21837 95918 82383 47292 43364 36942 44249 00171 20282  
36743 28851 03547 53209 95534 66974 55567 61906 46203 24694  
81365 97153 73080 77503 66750 89972 36997 25024 49191 23879  
13096 34344 50246 52748 90970 16807 51634

**15859/14659/13459 kHz, 28-09/30-09, 0910/0930/0950 UTC**

00571 00068 45604 10792 11331 77979 92687 31870 17248 93018  
92249 98184 28869 54953 90054 83018 87596 68960 00315 28526  
99304 89114 41407 48880 24118 94936 05684 96385 95349 57370  
00670 74551 06921 57904 76649 52539 45142 97977 34559 84408  
89691 06364 69405 96911 70441 78908 64326 74609 13025 24667  
87576 31483 51161 13150 42915 53299 53019 83992 16592 96111  
96490 15290 79167 17188 82039 14059 08513 47541 52476 86637  
20437

14373/13373/11573 kHz, 1500/1520/1540 UTC

**14373/13373/11573 kHz, 02-09, 1500/1520/1540 UTC**

00469 00230 68100 15741 40729 80153 14661 32949 34436 25582  
56167 28642 04874 76704 59344 57462 66190 73361 59364 18808  
35062 48566 24952 77218 39813 12476 53858 96504 03906 51460  
77314 76071 23203 29542 77540 43074 79778 40862 76756 17045  
54462 13243 56390 07545 16781 23935 03513 54568 94714 23119  
74639 15044 58772 65327 10430 20498 24525 92282 55611 09885  
83450 78657 37552 12400 98132 21007 33511 07272 66601 79515  
50452 62150 22299 49759 57092 65966 35634 18091 47340 01292  
05413 65770 06697 83602 44322 15092 16087 32973 04824 73848  
78077 74275 19434 82542 05379 15988 34961 19026 33248 73070  
51012 13689 58318 98633 28826 50384 96981 97500 36556 64231  
92977 89598 62357 74540 93820 06517 30078 76720 16795 67118  
55609 43138 80299 13600 79404 07485 66461 30829 42144 63652  
85753 79984 27840 55088 19636 08481 76766 48056 27404 85627  
46027 48021 21797 50701 44665 69085 62551 50962 47485 46301  
62297 35728 82425 07616 48132 20118 40777 56092 42491 33332  
12453 82304 28808 29002 28641 18233 64108 90337 86801 31874  
39111 91269 44506 36515 09136 41753 40281 00281 24061 33228  
73946 63682 26177 94777 29002 51872 99234 17324 65075 29042  
72339 76134 49839 32678 85066 99692 35551 38548 40144 03472  
58759 59606 98026 21462 22316 58190 76755 70903 89065 12331  
22680 06054 14885 64296 54568 80031 99781 21635 86311 60573  
42664 79057 70375 31739 29447 53983 23461 32449 72769 78785  
72574 18904 25436

**14373/13373/11573 kHz, 18-09, 1500/1520/1540 UTC**

02326 00001 00000 35654

**14373/13373/11573 kHz, 23-09, 1500/1520/1540 UTC**

03987 00001 00000 41263

**14373/13373/11573 kHz, 25-09/30-09, 1500/1520/1540 UTC**

07027 00196 34996 40240 60575 31042 78201 02836 95837 38547  
62547 19679 00511 04280 48327 31137 86715 28443 80569 62708  
48736 23905 28253 92941 18279 12483 42515 14205 39716 82709  
77936 21785 40007 77402 08552 53988 86647 11269 13121 78044  
35838 19534 77805 47372 03348 72205 35663 61820 67010 89399  
51754 32725 83370 53957 71361 75889 38093 29546 94027 81565  
02326 28043 14526 60771 21057 48360 82147 09430 06689 75532  
69950 71956 40916 97774 17567 07164 17615 13611 22455 02560  
28199 04715 00142 99194 49441 64127 67444 51371 53138 58519  
35856 70172 54015 20860 58794 84173 54700 83025 65668 18178  
23087 27363 62923 96425 06339 16520 09763 98700 65012 65183  
92856 03355 80427 80132 83515 92575 86261 75512 95852 79917  
66981 07886 93729 00995 43602 12175 69683 48076 98583 50557



61841 13897 08483 34189 00146 46973 62467 87120 01329 41216  
08272 29126 84732 54224 83558 00595 40344 18388 91737 13755  
29114 30892 61372 09606 73067 91551 91816 24236 09917 31858  
96426 85594 66475 32419 15776 66321 15937 12002 80881 49750  
47023 46007 01749 74555 03917 29122 37056 46600 32779 96386  
52148 37632 82328 80632 64991 83464 80377 27491 73275 27331  
34919 19135 79935 64817 57625 60075 36899 69313 25143

14374/14974/16274 kHz, 0800/0820/0840 UTC

**14374/14974/16274 kHz, 03-09, 0800/0820/0840 UTC**

08209 00001 00000 36660

**14374/14974/16274 kHz, 08-09/09-09, 0800/0820/0840 UTC**

00652 00131 56300 02147 72737 37255 68793 09062 11720 63838  
74332 31611 88517 42723 99524 45394 46654 38348 91576 46596  
79448 42741 59004 05150 16265 27460 55461 13674 02852 62894  
22532 23315 61666 18718 67707 12671 96851 58019 78994 25104  
20698 17906 32553 67109 83921 98374 11152 44699 56096 13468  
45109 99279 92288 25224 79409 41320 58435 73580 46756 63558  
19976 35943 78322 72691 82265 21909 21845 64299 34007 90914  
52792 58799 90444 03595 11937 23636 14257 84408 45018 17366  
72791 21164 42807 17809 66390 48018 32622 78246 44327 10046  
46716 32194 25830 28481 69988 57144 20499 74990 70679 61626  
46026 86793 46066 58902 79615 46035 35675 06818 85198 68013  
99255 75583 28163 35700 23366 33369 23370 67571 86013 74735  
29418 28604 65462 75883 85681 23670 33596 65249 63747 47914  
29955 08967 42244 43524

**14374/14974/16274 kHz, 15-09, 0800/0820/0840 UTC**

00321 00157 31686 81649 43749 93447 90736 09083 52825 88203  
18432 76928 24508 63238 12509 56141 69518 66038 82596 27551  
28721 78596 13970 34994 30246 91821 11059 72445 27397 81491  
46364 61217 17279 27556 93407 05472 77397 83237 67657 20437  
16422 54061 35514 02532 38622 70855 80854 39802 99622 60252  
91000 83025 39295 27818 88366 75116 99327 69723 29292 05416  
11988 31340 80031 99256 92403 53764 41401 23648 11507 52323  
67700 53577 90562 42022 99317 08223 63547 45059 77093 55075  
71004 03189 63978 18491 86432 86639 40454 83292 03949 78069  
68158 95648 97599 47268 39468 43082 30588 64397 73376 53906  
78084 97394 65613 21541 03335 56280 75986 80017 95645 06899  
41319 57164 39200 72006 56569 74692 87248 89896 11542 14610  
18659 93153 29129 27037 48307 19671 81404 69590 60613 25429  
81493 41431 24899 79647 65176 92899 13990 91296 28825 93484  
17984 30747 68831 76069 41380 59139 49365 21269 17449 45763  
64260 12441 83374 73625 17512 79442 35048 01383 47403 27666

13914/15814/16314 kHz, 1200/1220/1240 UTC

**13914/15814/16314 kHz, 03-09, 1200/1220/1240 UTC**

00289 00069 10949 84304 08487 01680 68879 46259 30956 22385  
08377 88525 22500 02139 44142 78842 83388 48215 30855 84601  
63874 62128 43130 47493 56844 10371 17016 56660 00544 95011  
73566 22351 58866 48459 81906 44037 70304 17116 55772 77891  
81939 72857 59577 88058 48772 36880 18917 36102 52506 85588  
74504 91788 34517 93648 24504 00119 93370 36702 06664 55677  
93627 28243 32940 93800 69077 45635 62633 71763 77131 70618  
62279 47156

**13914/15814/16314 kHz, 05-09, 1200/1220/1240 UTC**

01819 00001 00000 41652

**13914/15814/16314 kHz, 10-09, 1200/1220/1240 UTC**

07619 00001 00000 40660

**13914/15814/16314 kHz, 12-09/17-09, 1200/1220/1240 UTC**

00359 00061 19067 43415 77321 39789 69914 48292 81216 13261  
94680 93333 15921 54616 13165 01872 40702 24044 39495 47237  
25786 70099 08357 38881 96465 97396 70793 62802 09458 72023  
08582 32502 86768 43884 76044 79977 49033 43126 75389 75128  
29835 93966 96186 29727 81377 58445 08973 56310 64214 77664  
85041 64581 36874 96649 63319 25753 56939 70610 99620 37210  
43506 09489 28027 12571

**13914/15814/16314 kHz, 19-09, 1200/1220/1240 UTC**

01197 00001 00000 35262

**13914/15814/16314 kHz, 24-09, 1200/1220/1240 UTC**

09683 00001 00000 35671

**13914/15814/16314 kHz, 26-09, 1200/1220/1240 UTC**

00541 00089 05529 28081 98863 11879 40069 38175 23554 89815  
75381 69810 07662 55483 06477 10208 00107 97365 20271 20938  
01535 63215 35237 36613 21046 59626 09707 91237 66225 43576  
37268 31108 35537 13281 63256 20595 30342 96088 26832 04311  
65688 81678 12926 27354 74262 60919 19731 50942 68509 41161  
92543 16257 75574 36388 15746 16080 79103 16435 15853 82638  
11117 09393 15485 15489 48274 51139 65203 66533 72236 48256  
23459 41440 55298 21527 23886 78279 45999 80666 71387 81175  
88445 08731 89175 07459 59833 21689 25987 78252 82331 14885  
27250 54261

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

**12152/13552/13952 kHz, 04-09, 0700/0720/0740 UTC**

03723 00001 00000 36255

**12152/13552/13952 kHz, 06-09, 0700/0720/0740 UTC**

03844 00001 00000 37257

**12152/13552/13952 kHz, 11-09/13-09/18-09/20-09/24-09/27-09, 0700/0720/0740 UTC**

00254 00105 87901 25921 24907 04715 90308 21404 58211 71453  
46253 76452 92853 28890 14015 91493 43556 42268 36660 37688  
16424 35312 86229 68536 37640 45082 55007 14414 65741 00421  
34514 27426 81366 65622 33473 76393 98413 96944 12621 09610  
88549 51354 57403 98605 35759 24120 67870 26426 87754 77448  
06881 69380 72934 29952 73084 76563 18401 42755 30653 20475  
02444 39829 69429 55581 20879 66352 48664 13484 42914 48737  
84326 02292 45600 52631 75945 57681 23775 53906 57345 64964  
11256 07277 08478 14434 15272 70266 89219 06849 46955 22124  
91059 27236 06657 85269 06061 21321 48076 21265 40290 54048  
11948 48988 78651 52415 77134 72977 46972 24705

18206/16329/15824 kHz, 0910/0930/0950 UTC

**18206/16329/15824 kHz, 04-09/06-09/11-09/13-09, 0910/0930/0950 UTC**

03516 00081 66942 58583 90604 38186 38015 70993 65247 86933  
78446 52078 06420 25296 96067 53912 40658 97437 15788 00749  
87050 28617 34451 73613 01576 02413 02026 65351 30640 03730  
21337 55560 85177 28181 49515 45444 06761 78348 43954 97513  
78593 56312 94674 57155 81268 74560 01419 64062 21397 74733  
34448 52985 22291 79432 77843 49614 37562 96476 33979 15098  
27356 10324 88215 12240 40496 19172 78844 17616 35757 14568  
80905 63262 90054 81012 97177 53626 60473 95878 97936 62859  
77288 25652 13609 71602

**18206/16329/15824 kHz, 18-09/20-09/25-09/27-09, 0910/0930/0950 UTC**

**0930 UTC: Off during the intro**

00618 00174 12056 35042 08323 65371 09632 96459 12051 47277  
51308 95579 86850 50663 02321 83526 81278 06914 97488 84341  
34568 94101 56551 96184 25547 87087 76210 49636 37483 07392  
93933 03298 07267 80956 89894 57915 18181 82012 45412 43474  
81801 02460 19599 50660 44370 33716 60416 96425 87525 57090  
66106 43808 58427 91790 51729 45662 93962 53224 31307 76234  
66022 10698 54625 98914 32815 94884 50347 70753 12379 99427  
53109 76624 90923 82150 00746 55643 41579 01540 47111 60245  
11605 73985 87475 52019 57133 88148 58173 64758 73381 90728  
39287 51098 42165 98402 62758 28645 94040 59124 79060 09798  
35098 25866 88330 19175 32455 15139 92414 82191 98999 43953  
95190 04387 87410 74412 58861 69679 31764 99336 25585 08751  
14099 79872 56623 86741 18751 93031 28060 85992 94434 88263  
47099 16178 64116 70622 59432 85247 11816 58444 20344 76473  
88450 61902 57589 66536 59200 36269 83018 03043 64916 21674  
51541 37685 55620 91737 76777 31434 14960 79050 86087 84127  
83882 99887 82804 38319 23593 76122 45914 75312 32585 62260  
40919 79206 72516 14850 81339 83047 23253

14373/13373/11573 kHz, 1500/1520/1540 UTC

**14373/13373/11573 kHz, 04-09, 1500/1520/1540 UTC**

09994 00001 00000 37672

**14373/13373/11573 kHz, 11-09/16-09, 1500/1520/1540 UTC**

00569 00290 56346 81617 47074 44682 78526 02308 05727 95795  
81767 78209 45807 05831 07466 84687 96321 50986 31636 07278  
41032 13004 47496 34594 19286 50370 35954 19485 22524 04937  
68373 09383 56281 88195 07030 20884 10201 10257 48061 87841  
76356 58645 01381 07020 15096 70931 92042 74359 93616 40449  
39018 77072 13433 70625 12868 49398 61879 66333 92146 25589  
13888 76159 91010 56650 24323 76558 45183 43724 00611 18151  
62161 01725 57045 58284 07948 00574 30006 90011 91830 56685  
34528 49331 89431 38471 66207 66723 90597 94241 83971 64882  
03416 88740 88117 53391 79177 44200 17443 80975 03221 02835  
56143 79346 50717 54965 07671 87897 01800 43627 43220 31789  
77805 98915 65154 23439 34202 19238 81721 26104 94974 55170  
28660 13010 65821 84526 66527 92210 24365 78335 82263 74776  
72500 35932 91770 62733 01677 17791 62759 47686 66434 42843  
42130 43026 07990 83307 03508 38513 31030 30125 72121 09859  
84109 04855 97566 69653 67002 04549 70984 44091 83691 76013  
30210 73154 16491 44286 94384 74073 35227 95428 64055 37696  
87897 06368 84860 36381 86363 44836 57194 46521 29957 96346  
26194 24010 15265 70495 58254 32354 74584 81699 43369 79919  
01135 60271 15211 47996 30666 06408 94815 75732 49532 71746  
52127 72154 52257 01034 12380 49356 01448 26747 25794 54112  
04442 57987 85901 76054 05507 98502 67021 86922 12114 25192  
01351 60265 92493 89963 48172 12011 27391 83747 31211 24655  
32153 72540 20302 12403 18155 40385 95220 61868 23712 52381  
28677 86894 29391 20226 69820 05677 28607 59250 61921 09074  
02685 38091 70235 31923 65052 09271 13404 25597 13481 27488  
71513 49131 51948 30024 21277 12108 50252 22499 48440 15586  
06745 45295 71753 20906 33526 53572 76351 37076 04166 58716  
45639 87648 18214 58746 59498 98288 70419 53200 52590 56870  
95270 93217 20322

10221/11121/12221 kHz, 0500/0520/0540 UTC

**10221/11121/12221 kHz, 05-09, 0500/0520/0540 UTC**

04410 00001 00000 33255

**10221/11121/12221 kHz, 07-09, 0500/0520/0540 UTC**

03331 00001 00000 33256

**10221/11121/12221 kHz, 12-09, 0500/0520/0540 UTC**

00119 00068 37814 30666 01923 89682 19731 14345 38959 64794  
40241 03523 70966 59290 37573 34955 02905 35684 71125 73362  
92701 93029 76918 58854 15004 60871 47196 73903 18699 77384  
94353 65570 27732 23821 22333 62150 54466 41538 44637 05767  
58720 82555 40082 48673 83468 99681 42528 78378 17834 92573  
86905 26728 56641 20923 88437 00949 91124 17658 77179 86229  
25275 20141 62562 61702 90840 79660 30340 92999 65470 98629  
13422

**10221/11121/12221 kHz, 19-09, 0500/0520/0540 UTC**

09232 00001 00000 33264

**10221/11121/12221 kHz, 21-09, 0500/0520/0540 UTC**

04698 00001 00000 40265

**10221/11121/12221 kHz, 26-09/28-09, 0500/0520/0540 UTC**

06049 00092 35188 31885 58807 79956 97252 72292 78650 43041  
08784 17775 93610 84227 76399 76460 12802 02623 57747 42485  
56144 08150 53095 56880 90836 15832 39407 49952 47444 97290  
84949 59611 58232 62618 37762 09629 74473 67484 79881 10116  
08773 64239 87728 04753 93674 64988 13315 88699 49270 73164  
71450 35861 21345 95984 91283 96912 68460 93580 90621 52819  
08765 52305 94237 00763 54726 57456 28863 15876 92585 99976  
75941 98576 97100 82920 67150 64617 33115 82800 33353 08183  
05442 71670 86460 80380 88928 47584 43590 28042 51500 27360  
01811 94047 20398 37680 06177

16117/14917/13517 kHz, 1100/1120/1140 UTC

**16117/14917/13517 kHz, 06-09/07-09/13-09/14-09, 1100/1120/1140 UTC**

00627 00181 30277 96711 88388 33591 31362 80772 08715 13885  
33137 08768 56692 78497 99165 87997 75359 92686 77192 88744  
24919 19560 29769 54005 85276 77926 32195 41421 24336 49338  
44849 68119 42228 49397 72449 64146 19622 11515 33358 66150  
07775 06232 72000 97643 58808 08420 70996 24590 98797 23249  
24397 97792 16047 87647 47932 94100 55776 97235 15136 80260  
61863 07725 18516 28856 10284 30241 56665 21847 94446 81169  
29544 86351 45519 63381 88823 07788 64448 44261 15868 69115  
69585 90985 94291 96633 65803 06907 86229 88849 02131 22385  
61549 00797 44910 30763 73988 62142 42572 09588 36000 90222  
83268 94497 71481 09222 00608 76683 11007 30439 79502 56103  
68078 17794 06329 07022 33103 92206 26610 12587 11102 09333  
13314 61308 11959 43374 53809 44041 07284 41004 69588 33990  
88868 77854 33296 40998 81193 79818 43289 66732 48391 60906  
18282 49262 29777 77214 81714 41630 27761 14354 56376 20076  
74449 57717 05848 04117 67628 43249 20402 26449 11729 70073  
10000 75536 10639 85949 43156 75727 14158 88994 11521 73544  
49444 53165 38527 79447 21939 26259 72953 97766 99507 21811  
04359 74666 80747 20464

**16117/14917/13517 kHz, 20-09/21-09/27-09/28-09, 1100/1120/1140 UTC**

00386 00035 64464 68205 54775 75655 99918 77153 11728 28631  
49422 70244 56342 06932 76529 13422 49576 58489 24232 28232  
38041 09735 95874 36715 47255 25167 79415 91641 74044 89071  
62054 73466 05312 27305 63410 05647 74900 21323

**13887/13387/11587 kHz, 07-09, 1600/1620/1640 UTC**

07666 00001 00000 37265

**13887/13387/11587 kHz, 12-09/14-09, 1600/1620/1640 UTC**

05645 00243 22273 61231 53183 62677 48328 52157 92797 76572  
32438 01660 22904 78714 76643 49444 02340 56793 48674 99713  
08560 24760 36723 69397 01854 41056 35566 96029 60988 63207  
35238 90430 20059 09904 72633 86795 61882 94267 42091 07446  
45483 11543 60053 09773 86732 39244 21615 22227 19466 68218  
55832 57135 91308 36521 71954 30791 60773 02722 14024 33134  
70225 20192 86826 02891 21918 30849 45569 85288 38457 95424  
45719 51706 47356 08137 02631 06851 72748 04264 19892 00150  
91167 59102 50585 96005 59940 39488 89500 42777 00175 62914  
99176 21805 58079 98700 10914 56698 56866 56092 63196 60687  
54514 89672 42573 01120 74209 21933 64498 33636 48166 47168  
84207 02219 69385 34667 50158 71187 85274 69955 22161 73126  
28130 75637 79834 32217 31922 76868 16442 17484 54507 61832  
60955 79051 70323 90375 58224 33044 77801 36874 08322 01316  
89878 34567 82640 17713 06989 07636 72251 42514 68611 67313  
44596 01127 84093 02811 44209 11668 62723 93806 51657 06848  
25337 25586 10689 82251 98375 59286 47662 52929 79632 23269  
09645 21953 34671 16204 99712 58659 74617 08075 60169 95491  
83994 24951 72844 11143 97127 41902 51256 79181 89854 87091  
01440 63977 78945 61556 82375 48506 64935 32287 79340 45560  
87797 18100 34487 85988 36550 03913 92855 11413 24400 07274  
95144 54352 32169 25332 14974 40730 45854 67774 29282 22428  
63146 84573 15528 12196 14210 87993 62194 06741 62864 11694  
85167 89497 15337 59246 19124 97522 37149 68336 89937 29121  
69340 35514 38806 55271 43431 60646

**13887/13387/11587 kHz, 19-09, 1600/1620/1640 UTC**

03432 00001 00000 34256

**13887/13387/11587 kHz, 21-09, 1600/1620/1640 UTC**

03748 00001 00000 40657

**13887/13387/11587 kHz, 26-09/28-09, 1600/1620/1640 UTC**

00528 00241 70611 50919 35792 04964 01262 38678 40442 43434  
15387 04977 01894 20308 28672 96755 88468 75977 54102 98152  
01938 90668 35712 61215 85865 20079 89317 72170 18392 84254  
43927 03436 29430 45465 25617 52460 33259 40770 47105 91687  
58419 54227 59886 89557 99192 38947 25621 32583 78017 33944  
90144 46831 81333 76238 04628 94723 95644 91714 81578 51749  
12329 03474 38105 09678 93935 42931 66685 51503 56673 84896  
47150 89297 78432 29464 50355 62133 60584 99686 28810 20245  
52056 39555 25191 64588 80065 61012 28245 57875 77926 72758  
27057 22671 05988 19516 28453 52979 69726 52669 09359 82636  
91478 98056 11878 82596 28591 02077 10349 04955 79342 71143  
86949 40048 35020 86539 75487 80719 20683 53649 49777 71236  
92621 18511 92508 24771 51880 96630 39093 22667 56416 83598  
87768 21228 91214 39641 58936 79481 95133 91231 55871 68681  
36372 32803 70349 13912 60033 69526 76952 27626 15823 15319  
29945 12522 30166 35268 94244 02017 85086 84637 00040 74570  
95986 14509 85771 60563 75711 60534 89226 89664 57002 34296  
61945 99854 85151 38240 52202 43218 36245 20612 34775 65214  
11345 43766 47539 35543 65879 07850 08781 51766 47350 59077  
61280 83119 23647 53728 39252 81610 99511 34913 36626 43048  
56197 04255 63857 70256 93574 12019 43830 05284 16087 59870  
93349 34257 43100 24791 69974 71295 10286 15577 28672 99524  
55142 53574 56410 26863 87683 39284 56242 01101 00900 72443  
53587 27319 50014 13170 65158 46302 31976 11396 90533 22957  
07627 34856 40138 862515

**16351/14851/13951 kHz, 06-09/08-09, 1800/1820/1840 UTC**

00603 00169 76839 35520 71558 62864 79530 75017 89251 25236  
84032 50718 78302 54105 70452 08069 38527 19405 12300 98472  
31558 56615 43520 79977 89430 23471 00377 53779 84706 32030  
46932 47599 04394 65770 68467 74794 95510 46846 62310 30969  
92329 91473 87727 40866 39355 52170 06951 26253 82020 32097  
38328 77720 67163 55086 39226 26261 80651 94566 93376 73331  
70154 40016 70961 64910 01238 40400 83798 54607 82242 74615  
14192 24011 20710 38153 55971 39245 89934 85961 87423 86719  
32840 44617 00068 13478 42084 28105 23693 61861 41889 80137  
94403 59602 93386 87368 45656 62777 30010 38880 28416 39305  
84309 98916 17837 67942 10927 21987 10180 53724 20635 86109  
64306 39332 77656 31401 42599 35883 24748 33555 53604 66262  
47064 44078 88675 12950 64459 35791 70146 76194 18827 15699  
94644 08510 40993 87307 02286 25463 08982 40806 24691 36701  
49055 85221 80035 09764 82356 93548 07808 83763 02083 67875  
18026 80196 75148 80976 16503 78198 42953 98494 35841 52400  
87399 53118 54064 32046 24297 82633 92784 78806 62484 63181  
81782 07325

**16351/14851/13951 kHz, 13-09/15-09, 1800/1820/1840 UTC**

00649 00246 35137 63737 21095 94152 77219 18569 38890 07796  
02653 34658 18075 52928 99542 05145 39518 40047 25505 71653  
93327 75004 51938 09083 85227 28727 46088 84744 50736 13677  
04552 68399 58837 23793 99044 03986 99120 13287 07406 70830  
40583 05142 61568 87472 39652 13843 15294 37207 21679 23946  
69885 46675 79179 95206 37579 37795 75431 31101 59497 50829  
26935 52317 16183 68021 17542 35392 45858 16644 08444 92916  
47837 05386 16121 79165 99336 56354 93817 54773 22089 76670  
73662 45538 22228 16786 15018 68292 90641 54796 92207 47990  
65356 52494 07933 62106 66625 63788 97479 80199 82457 81098  
85358 69576 83273 73201 98999 29161 77707 81249 77740 15015  
81781 74527 37819 73513 45227 29350 13455 17136 48149 35898  
18581 75652 19835 64253 21545 79353 12418 91551 14918 39696  
62205 08297 25341 80299 19849 06381 49366 66029 94829 21614  
12433 06661 03650 74944 35250 97473 77995 17796 92801 69856  
27341 99858 05662 84379 02687 36456 15454 75386 04870 87356  
28417 53346 73142 65854 92158 56094 60532 02238 54708 63933  
23738 92744 64638 99907 92926 76518 73458 88729 11911 36327  
66038 76261 92596 50135 43208 14051 76061 69365 79684 94571  
83626 09641 93498 44668 87833 05179 49519 83456 78125 90148  
75131 92461 82179 66755 88126 04291 84982 66415 74645 94264  
19539 02773 64880 30042 06581 80500 93519 65754 34348 76161  
82786 21050 65532 35118 23452 46747 21993 79836 00435 26698  
62482 65054 32210 43314 14760 11496 33196 08345 82546 41940  
03053 20137 48535 46507 19722 70801 05133 60102 14705

**16351/14851/13951 kHz, 20-09/22-09, 1800/1820/1840 UTC**

00328 00212 05283 68362 16108 40102 93139 83020 04707 58511  
38375 92094 78485 22885 47386 75778 30559 47303 63378 57569  
56520 99136 97659 86530 18430 77489 72079 97313 37970 53859  
32597 60563 59860 17501 54141 44963 26535 81000 91162 53605  
98426 09841 19131 72630 14266 53485 30474 08822 81557 41155  
69358 71102 23186 67402 24495 98995 75924 10412 23056 17715  
58505 99776 21099 11892 43028 64056 86588 79776 04834 69950  
40960 19421 06366 11107 99794 58907 74592 31983 20346 30165  
38917 73666 84363 48801 45939 22582 29958 15571 01142 11303  
94682 22392 90772 29134 39291 52270 69450 83938 83191 95509  
37533 33378 48623 60581 73279 49719 57079 26320 99925 59459  
79673 43220 59411 90168 45991 13527 15201 16366 58190 84616  
75975 03189 94968 65867 93834 80060 72398 83890 03778 34905

94698 54049 52472 13038 28194 24362 97167 56142 71957 55753  
86912 90408 73877 35409 77628 32071 69978 20114 62247 85677  
14499 97073 95879 17412 44523 19067 14618 68195 07294 58031  
59023 18822 97997 20032 55719 93936 50721 26899 27799 43616  
71759 34359 21457 29328 49799 32670 32312 25591 19486 77274  
37836 62843 70646 53724 49393 80043 89363 95526 37589 28148  
26304 30318 94877 96747 98444 90756 82122 70530 49020 42901  
22460 50427 29567 48352 08288 28945 36958 83154 78864 53603  
85945 67604 90453 72704 43651

**16351/14851/13951 kHz, 27-09/29-09, 1800/1820/1840 UTC**

00667 00238 28671 02019 23379 23902 89602 36110 11347 10907  
46952 11498 25570 44100 03994 30043 40168 27046 41613 48016  
37227 33028 14380 64939 34040 85447 17301 29964 26764 44732  
26486 35914 63711 51591 67159 13936 59493 02952 97212 78163  
26857 98251 02651 06392 24405 29686 72812 44559 21676 80707  
96393 14513 10637 05443 53852 60698 72248 22817 38857 42179  
32488 43365 76929 38951 81743 58353 80538 25502 76293 29490  
49386 69914 69306 02144 59838 58035 45711 58385 30394 16915  
13560 08323 05700 86651 26225 38805 62080 56112 74680 04607  
57995 57820 22574 70432 77487 59740 13101 43151 78359 90015  
16073 07308 54454 25879 37781 01137 10694 40862 30527 26838  
49714 82337 30432 68537 65256 84248 92847 33481 67678 85727  
52760 51565 94403 54091 26240 05953 99175 85905 48441 74725  
55343 09229 69590 69784 78430 43063 24489 76280 90189 11303  
22935 53098 23491 22288 30652 89523 05025 39205 83146 81113  
88647 14785 63780 55657 22613 12912 13183 71016 10689 49910  
70021 73984 61205 84203 18519 12845 02484 20727 34002 45861  
04026 89312 80495 49717 94027 95775 69728 89628 02898 12059  
41910 50887 32021 35708 49389 60704 33224 62773 82046 89270  
56949 65659 56935 31787 94417 75596 91059 92774 53337 07158  
31247 05994 67278 83714 27710 15605 66953 00429 96353 10798  
66938 30776 63388 87747 90253 42285 33514 58819 30715 01523  
19552 31710 94833 61159 75123 65806 28799 90432 42326 00640  
62276 02077 60402 26298 02444 80818 25101 77686 54525 91986  
74571

Test transmissions

**19591 kHz, 22-09, 0612 UTC,**

Message in progress

**17422/16271/15807 kHz, 21-09, 0730/0740/0750 UTC**

00327 00267 21882 81875 12150 64851 82639 16633 00739 58700  
85393 52801 78680 34590 58073 68825 57744 92721 93333 83047  
28190 55586 24729 46588 38821 86095 02623 58608 34852 61995  
58312 84653 00784 47189 17792 65879 64521 55187 08669 62485  
67627 88290 48007 40927 48906 88272 03091 90006 45599 53065  
15240 08740 00465 28670 08783 25757 02304 75292 32054 26054  
62327 24030 81779 48732 01387 00739 32006 31490 16787 92192  
04303 02546 84052 30848 15419 28888 07478 83800 87681 41547  
83004 00514 13009 81775 46755 49572 73188 82123 37406 81034  
63575 89227 13133 82614 00157 43587 16500 88374 38540 38167  
56266 71599 73309 53305 48771 12693 24687 80516 13250 78883  
18278 18502 77600 00506 33048 50812 00021 00004 02887 51814  
37550 58881 94083 24761 28617 15075 89402 01438 30790 71821  
13387 09003 44260 59514 85279 00404 37205 59602 33004 34062  
24884 92671 68872 57521 73756 45072 00616 12636 39565 48344  
32575 16506 95386 87724 00617 96384 77515 49547 24788 33696  
23289 23249 48725 41428 66486 09174 74240 18086 15226 31644  
13607 51418 66998 68924 26929 44877 90008 36562 50004 83543  
03458 76765 61871 81445 39245 96879 13715 56535 58886 88894  
33887 87656 34814 99306 00772 01635 32945 27444 90023 64582

70831 93519 87409 07920 35736 80056 49506 26462 60794 55738  
05376 40953 88542 41243 30237 46523 61376 68279 02182 68616  
95457 17705 59188 26331 87755 25950 16604 67691 58151 25294  
01932 63564 45537 86421 12712 09938 79355 53950 45708 58088  
47372 87251 95739 03158 83518 92933 89003 83569 69069 64248  
40257 74664 25261 21407 69123 53125 34320 70077 00163 08786  
64552 81814 68309 35499 53805 41800 95414 12120 28530 37561

**16285/15807 kHz, 22-09, 0640/0650 UTC**

00248 00285 71168 17537 92727 57131 88143 70909 75259 22756  
73576 56589 99501 46282 73090 04304 21372 29020 50267 52049  
86144 68231 45584 23934 71893 71185 16269 54426 73395 78309  
78308 06707 65863 81491 38855 10215 55925 51072 69957 91831  
66199 09167 11002 35716 17137 68740 35357 13452 80249 81167  
20263 95982 48447 19883 12733 94064 88675 47233 45642 21542  
40861 33716 97513 96948 44447 66868 90725 18009 07426 62875  
48377 70298 59061 58435 85849 76977 57229 09868 06797 03152  
35828 02817 74176 92227 58045 82324 58258 45979 68758 44790  
21539 08692 05429 48415 50969 32482 11653 14052 91268 50267  
78014 17347 06025 17373 32790 49964 36921 90011 34033 35755  
36834 78807 40436 42490 85713 38044 59539 05286 38902 62121  
08610 44746 49250 62634 41336 39685 64869 10645 07465 53366  
65324 43176 18598 56528 25137 18480 96790 56802 59437 08081  
45403 68246 11945 33002 07955 42730 68254 62938 62700 12924  
72941 06366 75148 29147 41657 33268 68096 43389 76036 93104  
85093 26275 82545 80665 70430 93656 60208 83907 17352 67233  
41253 02736 45848 30821 16717 40362 32800 16247 54678 98604  
71429 01930 47944 94540 80423 58957 68027 89450 14871 91868  
50382 53400 80765 66331 22987 19127 85699 31278 62571 14298  
82521 84346 45585 95466 71670 70205 60517 44327 12429 01294  
00467 51849 88709 77430 21674 83162 78330 88004 00242 11472  
25629 70756 69035 25483 16850 87852 21970 79515 07834 97589  
54662 01521 53674 40380 16083 87082 56343 52476 22870 10218  
98438 23699 77021 13576 91400 98532 64689 03335 44657 39823  
40796 97693 31036 51098 88667 11764 15310 20102 78616 83817  
48234 81001 36493 14839 46631 98945 98173 48329 61346 34591  
26819 25854 65134 90022 13032 01929 93734 55459 34081 18316  
23162 18635 34857 68009 56792 56967 70483 45172

**17422/16271/15807 kHz, 23-09, 0730/0740/0750 UTC**

Message

**20243/19177/18254/17451/15979/14911 kHz, 27-09, 1000/1010/1020/1030/1040/1050 UTC**

07480 00001 00000 10140

**XPB1**

20017 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1300 UTC  
19317 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1310 UTC  
18037 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1320 UTC  
17417 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1330 UTC  
16217 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1340 UTC  
15817 kHz, 01-09/05-0/15-09/19-09/22-09/26-09/29-09, 1350 UTC

13521 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1100 UTC  
13421 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1110 UTC  
12221 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1120 UTC  
11521 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1130 UTC  
11021 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1140 UTC  
10521 kHz, 02-09/06-09/16-09/20-09/23-09/27-09/30-09, 1150 UTC

14462 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1200 UTC



13962 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1210 UTC  
13462 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1220 UTC  
12162 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1230 UTC  
11562 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1240 UTC  
10962 kHz, 02-09/04-09/16-09/18-09/23-09/25-09/30-09, 1250 UTC

13435 kHz, 04-09/11-09/18-09/19-09/25-09, 0500 UTC  
13935 kHz, 04-09/11-09/18-09/19-09/25-09, 0510 UTC  
14435 kHz, 04-09/11-09/18-09/19-09/25-09, 0520 UTC  
14835 kHz, 04-09/11-09/18-09/19-09/25-09, 0530 UTC  
15935 kHz, 04-09/11-09/18-09/19-09/25-09, 0540 UTC  
16225 kHz, 04-09/11-09/18-09/19-09/25-09, 0550 UTC

## ***DIPLOMATIC STATIONS***

### ***Diplomatic stations: Bulgaria***

17440 kHz, 01-09, 1226 UTC, RFSM	MFA Sofia wkg unid embassy
18455 kHz, 01-09, 1300 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 18-09, 1225 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 18-09, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 18-09, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 19-09, 1230 UTC, RFSM	MFA Sofia wkg unid embassy
18455 kHz, 19-09, 1258 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 20-09, 1229 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 20-09, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 20-09, 1256 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 25-09, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 25-09, 1225 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 25-09, 1258 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 27-09, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 27-09, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 27-09, 1256 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 28-09, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 28-09, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 28-09, 1257 UTC, RFSM	MFA Sofia wkg unid embassy

### ***Diplomatic stations: North Korea***

10960 kHz, 25-09, 1600 UTC, DPRK-ARQ 600 LSB  
16252 kHz, 27-09, 1311 UTC, DPRK-ARQ 600 LSB

### ***Diplomatic stations: Russia***

17421 kHz, 05-09, 1135 UTC, Serdolik v2	Russian diplo. Selcal
16169 kHz, 05-09, 1136 UTC, Serdolik v2	Russian diplo. Selcal
17419 kHz, 05-09, 1138 UTC, Serdolik v2	Russian diplo
18523 kHz, 05-09, 1153 UTC, MFSK-6	MFA Moscow clg Russian embassy Nairobi
17419 kHz, 05-09, 1156 UTC, Serdolik v2	Russian diplo
13411 kHz, 05-09, 0830 UTC, MFSK-6	MFA Moscow clg 165423 Russian embassy Brussels
13401 kHz, 05-09, 0830 UTC, MFSK-6	MFA Moscow clg 154263 Russian embassy Rome
17421 kHz, 05-09, 1136 UTC, Serdolik v2	Russian diplo
16169 kHz, 05-09, 1136 UTC, Serdolik v2	Russian diplo
17419 kHz, 05-09, 1139 UTC, Serdolik v2	Russian diplo
18523 kHz, 05-09, 1152 UTC, MFSK-6	MFA Moscow clg 325614 Russian embassy Nairobi
17419 kHz, 05-09, 1157 UTC, Serdolik v2	Russian diplo
15961 kHz, 06-09, 0828 UTC, MFSK-66	Russian diplo
16115 kHz, 06-09, 1107 UTC, MFSK-6	MFA Moscow clg 215346 Russian Consulate General Mumbai
13979 kHz, 06-09, 1113 UTC, MFSK-6	MFA Moscow clg 215346 Russian Consulate General Mumbai
18196 kHz, 07-09, 0915 UTC, MFSK-66	Russian diplo

18196 kHz, 07-09, 0917 UTC, OFDM-121	Russian diplo. Pulses
17450 kHz, 07-09, 0921 UTC, MFSK-66	Russian diplo
18197 kHz, 07-09, 0929 UTC, MFSK-6	MFA Moscow clg 645321 Russian embassy Ho Chi Minh City
18197 kHz, 07-09, 0941 UTC, MFSK-66	Russian diplo
19183 kHz, 07-09, 0942 UTC, MFSK-66	Russian diplo
16313 kHz, 07-09, 1304 UTC, Serdolik v2	Russian diplo. Two tone/symbol variant
18230 kHz, 07-09, 1309 UTC, Serdolik v2	Russian diplo
16313 kHz, 07-09, 1316 UTC, Serdolik v2	Russian diplo
12114 kHz, 10-09, 1031 UTC, Serdolik v2	Russian diplo
12096 kHz, 10-09, 1136 UTC, Serdolik v2	Russian diplo
11067 kHz, 10-09, 1055 UTC, MFSK-6	MFA Moscow clg 145632 Russian embassy Algiers
12096 kHz, 10-09, 1102 UTC, Serdolik v2	Russian diplo
17466 kHz, 11-09, 0818 UTC, Serdolik v2	Russian diplo
17475 kHz, 11-09, 0824 UTC, MFSK-6	MFA Moscow clg 156234 Russian embassy Kampala
16117 kHz, 11-09, 0931 UTC, MFSK-6	MFA Moscow clg 463125 Russian embassy Rabat
19273 kHz, 11-09, 0948 UTC, Serdolik v2	Russian diplo
13420 kHz, 12-09, 0756 UTC, MFSK-6	MFA Moscow clg 534216 Russian embassy Baghdad
17523 kHz, 12-09, 1808 UTC, MFSK-6	MFA Moscow clg 542136 Russian embassy Beijing
17520 kHz, 12-09, 1003 UTC, MFSK-6	MFA Moscow clg 612534 Russian embassy Ashgabat
20815 kHz, 12-09, 1004 UTC, Serdolik v2	Russian diplo
20813 kHz, 12-09, 1008 UTC, MFSK-6	MFA Moscow clg 216354 Russian Consulate General Chennai
10172 kHz, 13-09, 0804 UTC, MFSK-6	MFA Moscow clg 465132 Russian embassy Sofia
18177 kHz, 13-09, 0805 UTC, MFSK-6	MFA Moscow clg 164253 Russian embassy Addis Ababa
11562 kHz, 13-09, 0813 UTC, Serdolik v2	Russian diplo
14550 kHz, 14-09, 0820 UTC, MFSK-6	MFA Moscow clg 153624 Russian embassy Damascus
11462 kHz, 19-09, 0801 UTC, MFSK-6	MFA Moscow clg 165423 Russian embassy Brussels
12153 kHz, 19-09, 0805 UTC, MFSK-66	Russian diplo
12149 kHz, 19-09, 0840 UTC, MFSK-6	MFA Moscow clg 154263 Russian embassy Rome
14405 kHz, 20-09, 0628 UTC, MFSK-6	MFA Moscow clg 256341 Russian embassy Beirut
16115 kHz, 20-09, 1201 UTC, MFSK-6	MFA Moscow clg 215346 Russian Consulate General Chennai
17443 kHz, 20-09, 1245 UTC, Serdolik v2	Russian diplo
17440 kHz, 20-09, 1255 UTC, Serdolik v2	Russian diplo
19511 kHz, 21-09, 0736 UTC, MFSK-6	MFA Moscow clg 314265 Russian embassy Antananarivo
17534 kHz, 21-09, 0811 UTC, MFSK-6	MFA Moscow clg 351264 Russian embassy Abu Dhabi
19511 kHz, 21-09, 0825 UTC, MFSK-6	MFA Moscow clg 314265 Russian embassy Antananarivo
17450 kHz, 21-09, 0916 UTC, MFSK-66	Russian diplo
20627 kHz, 21-09, 1338 UTC, MFSK-6	MFA Moscow clg 436512 Russian embassy Harare
12096 kHz, 24-09, 1027 UTC, Serdolik v2	Russian diplo
13895 kHz, 24-09, 1035 UTC, Serdolik v2	Russian diplo
12114 kHz, 24-09, 1042 UTC, MFSK-6	MFA Moscow clg 145632 Russian embassy Algiers
19273 kHz, 25-09, 0938 UTC, Serdolik v2	Russian diplo
17523 kHz, 26-09, 0759 UTC, MFSK-6	MFA Moscow clg 542136 Russian embassy Beijing
10767 kHz, 26-09, 0804 UTC, MFSK-6	MFA Moscow clg 534216 Russian embassy Baghdad
11071 kHz, 26-09, 0811 UTC, Serdolik v2	Russian diplo
14830 kHz, 26-09, 0813 UTC, Serdolik v2	Russian diplo
20813 kHz, 26-09, 0954 UTC, MFSK-6	MFA Moscow clg 216354 Russian Consulate General Chennai
20815 kHz, 26-09, 0955 UTC, Serdolik v2	Russian diplo
18245 kHz, 27-09, 0902 UTC, MFSK-6	MFA Moscow clg 134265 Russian embassy Tunis
12423 kHz, 27-09, 0844 UTC, MFSK-6	MFA Moscow clg 666132
12150 kHz, 28-09, 0709 UTC, MFSK-66	Russian diplo
13420 kHz, 28-09, 0714 UTC, Serdolik v2	Russian diplo
14457 kHz, 28-09, 0755 UTC, MFSK-66	Russian diplo
11088 kHz, 28-09, 0802 UTC, MFSK-66	Russian diplo
13420 kHz, 28-09, 0803 UTC, Serdolik v2	Russian diplo
16153 kHz, 28-09, 0810 UTC, MFSK-6	MFA Moscow clg 153624 Russian embassy Damascus
16315 kHz, 28-09, 1149 UTC, Serdolik v2	Russian diplo

## ***Diplomatic stations: Tunisia***

16280 kHz, 22-09, 0818 UTC, Pactor-II	Tunisian diplo. Encrypted email i.p.
16280 kHz, 22-09, 0843 UTC, Mil-STD-188-141A/USB	STAT151: MFA Tunis clg STAT6

## UTILITY ROUND-UP

### North Korean military

**4780 kHz, 03-09, 1320 UTC, CW. Logged by JP**

BNV3O DE 63DVC =

37497 08401 42307 98193 74970 84014 23079 81947 49708 40142

07981 93749 70840 14230 7819

VVV (callsign and message repeated)

SK SK 0 0

### Unid stations

The "Retreat" military service call was heard on 13150 kHz. It seems to be a regular one on that frequency. It is still heard in early October.

09 Aug, 0633 UTC

22 Sept, 0641 UTC

29 Sept, 1520 UTC



## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB

### Strategic messages

All copied by SOB

**7746 kHz, 11-09**

0840 UTC REA4 REA4 = 11070 99900 10120 73942 90597 83604 10126 20111 84530 = REA4 K

0940 UTC REA4 REA4 = 11080 99900 10120 73942 90597 83604 10126 20111 84530 = REA4 K

0958 UTC XXX XXX XXX A2CA A2CA 78122 OTMEzhEvANIE 5358 4330

1040 UTC REA4 REA4 = 11090 99900 10120 62596 87597 63203 10090 20032 85420 920// = REA4 K

1320 UTC XXX XXX XXX A2CA A2CA 83435 APELbSIN 5479 5742 BEZvOLbE 2832 9168

**7746 kHz, 12-09**

0726 UTC XXX XXX XXX A2CA A2CA 13003 vOLchli 6713 2915

0729 UTC XXX XXX XXX A2CA A2CA 09707 ISKORENENIE 8775 6728

0737 UTC XXX XXX XXX A2CA A2CA 03923 PODNEBESNYi 7196 7058

0740 UTC XXX XXX XXX A2CA A2CA 85519 LIANS 7133 0913

0743 UTC XXX XXX XXX A2CA A2CA 86333 POLOUMNYi 7326 5671

0746 UTC XXX XXX XXX A2CA A2CA 70440 LishAEvIDNYi 2730 3593 UDAROFINT 3697 1652 BAKINSKii 3801 2305  
vETROLUtSK 4557 8828

0755 UTC XXX XXX XXX A2CA A2CA 57409 SADONLO 6842 1403

0758 UTC XXX XXX XXX A2CA A2CA 01729 FATUM 4011 3648

0850 UTC XXX XXX XXX A2CA A2CA 58275 PARTNERSKii 1448 7616

0901 UTC XXX XXX XXX A2CA A2CA 92634 TRUDOkhRUshch 7825 6076

0911 UTC XXX XXX XXX A2CA A2CA 09328 LEiKOPENIya 0813 4888

0914 UTC XXX XXX XXX A2CA A2CA 13814 INOKOMORS 2647 0425

0915 UTC XXX XXX XXX A2CA A2CA 80012 MINERALOGIya 8728 1737

0917 UTC XXX XXX XXX A2CA A2CA 40935 KLADODVAZ 6745 3138

0919 UTC XXX XXX XXX A2CA A2CA 26205 SAKhARISTYi 0999 5028

0922 UTC XXX XXX XXX A2CA A2CA 45253 vINTONEUch 7828 5450 BAZOZUDA 0596 4674

0924 UTC XXX XXX XXX A2CA A2CA 21293 BESPORODNYi 8334 7306

**18.1 kHz, 26-09, 0428 UTC**

UUU RDL RDL RDL 82668 48497 82668 48497 82668 48497 K

### 18.1 kHz, 28-09

0936 UTC UUUU RDL RDL RDL 07767 84037 07767 84037 07767 84037 K  
 0945 UTC UUUUU RDL RDL RDL 77745 98424 77745 98424 77745 98424 K  
 1016 UTC UUU RDL RDL RDL 64546 24606 64546 24606 64546 24606 K  
 1039 UTC UUU XXX XXX RDL RDL 30563 96557 LIDSOMOL 3185 1723 K  
 1051 UTC UUUUU RDL RDL RDL 57359 18529 57359 18529 57359 18529 K  
 1116 UTC UUU RDL RDL RDL 31554 81206 31554 81206 31554 81206 K  
 1051 UTC UUUUU XXX XXX RDL RDL 24587 71009 BALKONNYi 6405 9879 K  
 1132 UTC UUU XXX XXX RDL RDL 58324 18409 RANzhIR 8907 5705 K  
 1135 UTC UUU RDL RDL RDL 33344 09757 33344 09757 33344 09757 K  
 1148 UTC UUU RDL RDL RDL 29934 45751 29934 45751 29934 45751 K  
 1210 UTC UUUU XXX XXX RDL RDL 86425 85555 KEKSOzhID 3775 6843 K  
 1215 UTC UUU XXX XXX RDL RDL 50873 86797 POSLANEtS 8257 3889 K  
 1220 UTC UUU XXX XXX RDL RDL 35884 52676 AMUROLyAZG 8444 5512 K  
 1245 UTC UUUUU RDL RDL RDL 84554 38042 84554 38042 84554 38042 K  
 1253 UTC UUUUU RDL RDL RDL 91624 73206 91624 73206 91624 73206 K  
 1308 UTC UUU RDL RDL RDL 61483 81037 61483 81037 61483 81037 K  
 1319 UTC UUU RDL RDL RDL 41474 02619 41474 02619 41474 02619 K  
 1335 UTC UUU XXX XXX RDL RDL 76561 68158 MILLIONERshA 0970 9594 K  
 1420 UTC UUU RDL RDL RDL 09129 81717 09129 81717 09129 81717 K

### 18.1 kHz, 28-09

1030 UTC UU XXX XXX XHOP XHOP 86905 62435 vSPYshKA 5901 8267 K  
 1041 UTC UUU XXX XXX XHOP XHOP 17127 86102 PRiVOLbNYi 6151 3402 ARYKOTyuk 5563 8633 K  
 1129 UTC UUUUU XXX XXX XHOP XHOP 75311 92089 zhLOBOKROT 3130 0840 KANtsELyaRlya 0379 9452 K  
 1157 UTC UUU XXX XXX XHOP XHOP 47248 39975 GAZOGLIF 8167 6691 POTeshNYi 9103 2777 K  
 1208 UTC XXX XXX XHOP XHOP 26968 79172 TANKOKLEi 7522 9228 K  
 1222 UTC XXX XXX XHOP XHOP 77670 02762 SMEKALKA 9351 1134 K  
 1256 UTC UU XXX XXX XHOP XHOP 08026 77342 GROTOTROT 0655 6303 K  
 1337 UTC UUU XXX XXX XHOP XHOP 94923 43628 PLAVLENIE 1589 2265 K

19256 kHz, 28-09, 1335 UTC

XXX XXX RDL RDL 76561 68158 MILLIONERZA 0970 9594 K

19256 kHz, 28-09, 1336 UTC

UUUUU XXX XXX XHOP XHOP 94923 43628 PLAWLENIE 1589 2265 K

## Monolith stations

### Channel markers

3243 kHz, 11-09, 0408 UTC,	Goose
4182 kHz, 11-09, 0410 UTC,	Dash
4310 kHz, 21-09, 0650 UTC,	Goose
4625 kHz, 11-09, 0411 UTC, S28	Buzzer
4770 kHz, 11-09, 0412 UTC,	Alarm
5367 kHz, 21-09, 0653 UTC, S32	Squeaky Wheel
5448 kHz, 21-09, 0649 UTC, S30	Pip
6783 kHz, 17-09, 1455 UTC, S30	Pip

### Unid channel marker, new buzzer

5710 kHz, 27-09  
 4486 kHz, 28-09, 2046 UTC  
 5710 kHz, 29-09, 1616 UTC //4486 kHz  
 4486 kHz, 29-09, 1616 UTC //5710 kHz  
 Also heard on 4675 kHz



## Digital modes

### Russian tactical datalink (Akkord 1200Bd/800Hz)

6970 kHz, 01-09, 2002 UTC	5674 kHz, 12-09, 1847 UTC	6970 kHz, 15-09, 1935 UTC	4740 kHz, 28-09, 1547 UTC
5674 kHz, 05-09, 1918 UTC	6320 kHz, 12-09, 1847 UTC	5674 kHz, 24-09, 1916 UTC	
6320 kHz, 05-09, 1918 UTC	5674 kHz, 15-09, 1935 UTC	4725 kHz, 28-09, 1547 UTC	

## LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	1-9	2002	6970	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	5-9	1918	5674	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	5-9	1918	6320	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-9	0408	3243	Mon	Goose: Russian military channel marker	USB	(ChPa)
---	11-9	0410	4182	Mon	Dash: Russian military channel marker	USB	(ChPa)
---	11-9	0412	4770	Mon	Alarm: Russian military channel marker	USB	(ChPa)
---	12-9	1847	5674	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	12-9	1847	6320	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-9	0412	3243	Thu	Goose: Russian military channel marker	USB	(ChPa)
---	14-9	0413	4182	Thu	Dash: Russian military channel marker	USB	(ChPa)
---	14-9	0415	4770	Thu	Alarm: Russian military channel marker	USB	(ChPa)
---	15-9	1935	5674	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	15-9	1935	6970	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	16-9	0427	3243	Sat	Goose: Russian military channel marker	USB	(ChPa)
---	16-9	0429	4182	Sat	Dash: Russian military channel marker	USB	(ChPa)
---	16-9	0431	4770	Sat	Alarm: Russian military channel marker	USB	(ChPa)
---	21-9	0446	3243	Thu	Goose: Russian military channel marker	USB	(ChPa)
---	21-9	0448	4182	Thu	Dash: Russian military channel marker	USB	(ChPa)
---	21-9	0451	4770	Thu	Alarm: Russian military channel marker	USB	(ChPa)
---	21-9	0650	4310	Thu	Goose: Russian military channel marker	USB	(AB-POL)
---	24-9	1916	5674	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-9	1547	4725	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-9	1547	4740	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-9	2046	4486	Thu	Unid channel marker	USB	(AB)
---	29-9	1616	4486	Fri	Unid channel marker //5710 kHz	USB	(AB)
---	29-9	1616	5710	Fri	Unid channel marker //4486 kHz	USB	(AB)
<b>BUL</b>	1-9	1226	17440	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	1-9	1300	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	18-9	1225	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	18-9	1228	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	18-9	1257	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	19-9	1230	17440	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	19-9	1258	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	20-9	1229	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	20-9	1230	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	20-9	1256	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	25-9	1225	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	25-9	1226	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)

BUL	25-9	1258	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	27-9	1227	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	27-9	1228	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	27-9	1256	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	28-9	1227	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	28-9	1227	17440	Thu	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	28-9	1257	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
DPRK	7-9	0646	16252	Thu	Norh Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-9	1600	10960	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	27-9	1311	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	28-9	1300	16252	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	1-9	0300	13545	Fri	361 725 30 35270 11470 53463 ... 61342 71074 57231 725 30 00000	USB	(PY/HFD)
E06	1-9	0400	11521	Fri	361 725 30 35270 11470 53463 ... 61342 7	USB	(PY)
E06	1-9	0400	11521	Fri	361 725 30 35270 11470 53463 ... 61342 71074 57231 725 30 00000	USB	(PY/HFD)
E06	4-9	0210	11426	Mon	537 468 35 09817 78238 55374 ... 23437 9	USB	(PY)
E06	4-9	0310	14477	Mon	537 468 35 09817 78238 55374 ... 23437 9	USB	(PY)
E06	5-9	0210	11426	Tue	537 468 35 09817 78238 55374 ... 23437 9	USB	(PY)
E06	5-9	0310	14477	Tue	537 468 35 09817 78238 55374 ... 23437 9	USB	(PY)
E06	7-9	0300	13567	Thu	361 804 31 70669 77588 67217 ... 45103 8	USB	(PY)
E06	7-9	0400	11521	Thu	361 804 31 70669 77588 67217 ... 45103 8	USB	(PY)
E06	7-9	0500	14370	Thu	354 107 62 99261 11421 29073 ... 21437 07534 60810 107 62 00000	USB	(AB)
E06	7-9	0600	16265	Thu	354 107 62 99261 11421 29073 ... 21437 07534 60810 107 62 00000	USB	(AB)
E06	8-9	0300	13567	Fri	361 804 31 70669 77588 67217 ... 45103 8	USB	(PY)
E06	8-9	0400	11521	Fri	361 804 31 70669 77588 67217 ... 45103 8	USB	(PY)
E06	8-9	0500	14370	Fri	354 107 62 99261 11421 29073 ... 21437 07534 60810 107 62 00000	USB	(AB/HFD)
E06	8-9	0600	16265	Fri	354 107 62 99261 11421 29073 ... 21437 07534 60810 107 62 00000	USB	(AB/HFD)
E06	11-9	0210	11426	Mon	537 192 36 75211 85527 02443 ... 38042 9	USB	(PY)
E06	11-9	0310	14477	Mon	537 192 36 75211 85527 02443 ... 38042 9	USB	(PY/HFD-RUS)
E06	12-9	0210	11426	Tue	537 192 36 75211 85527 02443 ... 38042 9	USB	(PY/HFD)
E06	12-9	0310	14477	Tue	537 192 36 75211 85527 02443 ... 38042 9	USB	(PY)
E06	14-9	0300	13572	Thu	361 507 32 45977 82907 22650 ... 88481 5	USB	(PY)
E06	14-9	0400	11521	Thu	361 507 32 45977 82907 22650 ... 88481 5	USB	(PY)
E06	15-9	0300	13557	Fri	361 507 32 45977 82907 22650 ... 88481 5	USB	(PY)
E06	15-9	0400	11521	Fri	not monitored	USB	(PY)
E06	18-9	0210	11426	Mon	537 486 37 41550 86336 83592 ... 02177 8	USB	(PY)
E06	18-9	0310	14477	Mon	537 486 37 41550 86336 83592 ... 02177 8	USB	(PY)
E06	19-9	0210	11426	Tue	not monitored	USB	(PY)
E06	19-9	0310	14477	Tue	537 486 37 41550 86336 83592 ... 02177 8	USB	(PY)
E06	21-9	0300	13564	Thu	361 289 33 80393 16654 21636 ... 27834 2	USB	(PY)
E06	21-9	0400	11521	Thu	361 289 33 80393 16654 21636 ... 27834 2	USB	(PY)
E06	21-9	0500	14370	Thu	354 928 61 15665 24891 47283 ... 51951 82910 44492 928 61 00000	USB	(AB)
E06	21-9	0600	16265	Thu	354 928 61 15665 24891 47283 ... 51951 82910 44492 928 61 00000	USB	(AB)

E06	22-9	0300	13557	Fri	361 289 33 80393 16654 21636 ... 27834 2	USB	(PY)
E06	22-9	0400	11515	Fri	361 289 33 80393 16654 21636 ... 27834 2	USB	(PY)
E06	22-9	0500	14370	Fri	354 928 61 15665 24891 47283 ... 51951 82910 44492 928 61 00000	USB	(AB)
E06	22-9	0600	16265	Fri	354 928 61 15665 24891 47283 ... 51951 82910 44492 928 61 00000	USB	(AB)
E06	25-9	0210	11426	Mon	537 120 38 66495 04930 83151 ... 44983 8	USB	(PY)
E06	25-9	0310	14477	Mon	537 120 38 66495 04930 83151 ... 44983 8	USB	(PY)
E06	26-9	0210	11426	Tue	537 120 38 66495 04930 83151 ... 44983 8	USB	(PY)
E06	26-9	0310	14477	Tue	537 120 38 66495 04930 83151 ... 44983 8	USB	(PY)
E06	28-9	0300	13564	Thu	361 570 34 28547 16372 72917 ... 06353 6	USB	(PY)
E06	28-9	0400	11521	Thu	361 570 34 28547 16372 72917 ... 06353 6	USB	(PY)
E06	29-9	0300	13565	Fri	361 570 34 28547 16372 72917 ... 06353 6	USB	(PY)
E06	29-9	0400	11521	Fri	361 570 34 28547 16372 72917 ... 06353 6	USB	(PY)
E07	1-9	1500	17452	Fri	428 428 428 1 9220 56 9220 56 05778 59541 00564 ... 42783 07838 87345 000 000	USB	(AB/Lac/HFD)
E07	1-9	1520	16272	Fri	428 428 428 1 9220 56 9220 56 05778 59541 00564 ... 42783 07838 87345 000 000	USB	(AB/Lac/HFD)
E07	1-9	1540	14875	Fri	428 428 428 1 9220 56 9220 56 05778 59541 00564 ... 42783 07838 87345 000 000	USB	(AB/Lac/HFD)
E07	2-9	1300	12176	Sat	152 152 152 000	USB	(AB/MPJ/HFD)
E07	2-9	1320	11576	Sat	152 152 152 000	USB	(AB/MPJ/HFD)
E07	2-9	1410	16228	Sat	594 594 594 1 115 92 115 92 57427 79435 53416 ... 03666 41984 81600 000 000	USB	(AB/MPJ/HFD)
E07	2-9	1430	15928	Sat	594 594 594 1 115 92 115 92 57427 79435 53416 ... 03666 41984 81600 000 000	USB	(AB/MPJ/HFD)
E07	2-9	1450	14928	Sat	594 594 594 1 115 92 115 92 57427 79435 53416 ... 03666 41984 81600 000 000	USB	(AB/MPJ/HFD)
E07	3-9	0600	9261	Sun	224 224 224 000	USB	(AB/HFD)
E07	3-9	0620	10261	Sun	224 224 224 000	USB	(AB/HFD)
E07	5-9	1500	17452	Tue	428 428 428 000	USB	(AB/Lac)
E07	5-9	1520	16272	Tue	428 428 428 000	USB	(AB)
E07	7-9	1410	16228	Thu	594 594 594 000	USB	(AB)
E07	7-9	1430	15928	Thu	594 594 594 000	USB	(AB)
E07	8-9	1500	17452	Fri	428 428 428 000	USB	(MPJ)
E07	8-9	1520	16272	Fri	428 428 428 000	USB	(MPJ)
E07	10-9	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	10-9	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	15-9	1500	17452	Fri	428 428 428 1 3620 99 3620 99 97342 25273 80030 ... 52719 60689 48037 000 000	USB	(AB)
E07	15-9	1520	16272	Fri	428 428 428 1 3620 99 3620 99 97342 25273 80030 ... 52719 60689 48037 000 000	USB	(AB)
E07	15-9	1540	14875	Fri	428 428 428 1 3620 99 3620 99 97342 25273 80030 ... 52719 60689 48037 000 000	USB	(AB)
E07	16-9	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	16-9	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	16-9	1410	16228	Sat	594 594 594 1 7134 59 7134 59 08102 19589 97742 ... 78646 23559 88943 000 000	USB	(AB/MPJ)
E07	16-9	1430	15928	Sat	594 594 594 1 7134 59 7134 59 08102 19589 97742 ... 78646 23559 88943 000 000	USB	(AB/MPJ)
E07	16-9	1450	14928	Sat	594 594 594 1 7134 59 7134 59 08102 19589 97742 ... 78646 23559 88943 000 000	USB	(AB/MPJ)
E07	17-9	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	17-9	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	19-9	1500	17452	Tue	428 428 428 000	USB	(AB-KWT)
E07	19-9	1520	16272	Tue	428 428 428 000	USB	(AB-KWT)

E07	21-9	1410	16228	Thu	594 594 594 000	USB	(AB)
E07	21-9	1430	15928	Thu	594 594 594 000	USB	(AB)
E07	22-9	1500	17452	Fri	428 428 428 000	USB	(AB)
E07	22-9	1520	16272	Fri	428 428 428 000	USB	(AB)
E07	23-9	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	23-9	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	23-9	1410	16228	Sat	594 594 594 000	USB	(AB)
E07	23-9	1430	15928	Sat	594 594 594 000	USB	(AB)
E07	24-9	0600	9261	Sun	224 224 224 000	USB	(AB)
E07	24-9	0620	10261	Sun	224 224 224 000	USB	(AB)
E07	26-9	1500	17452	Tue	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB)
E07	26-9	1520	16272	Tue	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB)
E07	26-9	1540	14875	Tue	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB)
E07	28-9	1410	16228	Thu	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB)
E07	28-9	1430	15928	Thu	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB)
E07	28-9	1450	14928	Thu	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB)
E07	29-9	1500	17452	Fri	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB/MPJ)
E07	29-9	1520	16272	Fri	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB/MPJ)
E07	29-9	1540	14875	Fri	428 428 428 1 427 112 427 112 31213 61179 06517... 07738 59847 92035 01095 000 000	USB	(AB/MPJ)
E07	30-9	1300	12176	Sat	152 152 152 000	USB	(AB/MPJ)
E07	30-9	1320	11576	Sat	152 152 152 000	USB	(AB/MPJ)
E07	30-9	1410	16228	Sat	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB/MPJ)
E07	30-9	1430	15928	Sat	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB/MPJ)
E07	30-9	1450	14928	Sat	594 594 594 1 360 70 360 70 11728 93465 66758 ... 41479 35891 73795 000 000	USB	(AB/MPJ)
E11	1-9	0600	8680	Fri	351/00 Out	USB	(AB/HFD)
E11	1-9	0700	8180	Fri	571/00 Out	USB	(AB/Lac/HFD)
E11	1-9	0715	9963	Fri	636/00 Out	USB	(AB/HFD)
E11	1-9	0745	17410	Fri	347/00 Out	USB	(AB-POL/Lac/HFD)
E11	1-9	0820	7670	Fri	434/00 Out	USB	(AB/HFD)
E11	1-9	0830	20170	Fri	183/00 Out	USB	(AB-POL/Lac/HFD)
E11	1-9	1000	9951	Fri	300/00 Out	USB	(AB/HFD)
E11	1-9	1715	6923	Fri	970/00 Out	USB	(AB/HFD)
E11	1-9	1815	11116	Fri	927/00 Out	USB	(AB/HFD)
E11	1-9	1910	8530	Fri	618/00 Out	USB	(AB/HFD)
E11	2-9	1430	14972	Sat	917/00 Out	USB	(AB/HFD)
E11	2-9	1910	4181	Sat	395/00 Out	USB	(AB)
E11	3-9	0600	8680	Sun	353/00 Out	USB	(AB)
E11	3-9	1605	5176	Sun	236/00 Out	USB	(AB/HFD)
E11	3-9	1745	13470	Sun	247/00 Out	USB	(AB/MPJ/HFD)
E11	3-9	1815	11116	Sun	927/00 Out	USB	(AB/MPJ)
E11	3-9	1910	8530	Sun	613/00 Out	USB	(AB)
E11	3-9	2000	5737	Sun	522/00 Out	USB	(AB/HFD)



E11	4-9	0830	20170	Mon	184/00 Out	USB	(AB-POL/Lac)
E11	4-9	0845	12202	Mon	714/00 Out	USB	(AB/Lac/HFD)
E11	4-9	0900	9968	Mon	532/00 Out	USB	(AB/HFD)
E11	4-9	1045	10200	Mon	697/00 Out	USB	(AB/HFD)
E11	4-9	1300	5371	Mon	313/00 Out	USB	(AB-POL/HFD)
E11	4-9	1900	7317	Mon	641/00 Out	USB	(AB)
E11	5-9	0645	8423	Tue	519/00 Out	USB	(AB/HFD)
E11	5-9	0700	8180	Tue	571/00 Out	USB	(AB)
E11	5-9	0745	14865	Tue	229/00 Out	USB	(AB/Lac/HFD)
E11	5-9	0820	19184	Tue	138/00 Out	USB	(AB-POL/Lac/HFD)
E11	5-9	0845	18168	Tue	156/00 Out	USB	(AB-POL/Lac/HFD)
E11	5-9	1230	12530	Tue	332/00 Out	USB	(AB/Lac/HFD)
E11	5-9	1430	14972	Tue	918/00 Out	USB	(AB-POL)
E11	5-9	1605	5176	Tue	233/00 Out	USB	(AB-POL)
E11	6-9	0820	19184	Wed	133/00 Out	USB	(HFD)
E11	6-9	0900	9968	Wed	533/00 Out	USB	(AB)
E11	6-9	0930	6940	Wed	270/00 Out	USB	(AB/Lac/HFD)
E11	6-9	1045	10200	Wed	698/00 Out	USB	(AB)
E11	6-9	1205	9399	Wed	466/00 Out	USB	(HFD)
E11	6-9	1910	4181	Wed	399/00 Out	USB	(AB-POL/HFD)
E11	7-9	0645	8423	Thu	512/00 Out	USB	(AB)
E11	7-9	0745	14865	Thu	223/00 Out	USB	(AB)
E11	7-9	0820	7670	Thu	432/00 Out	USB	(AB)
E11	7-9	0845	18168	Thu	152/00 Out	USB	(AB)
E11	7-9	0930	6940	Thu	271/00 Out	USB	(AB)
E11	7-9	1230	12530	Thu	338/00 Out	USB	(AB)
E11	7-9	1300	5371	Thu	310/00 Out	USB	(AB)
E11	7-9	1900	7317	Thu	644/00 Out	USB	(AB/HFD)
E11	8-9	0600	8680	Fri	353/00 Out	USB	(AB/Lac)
E11	8-9	1815	11116	Fri	924/00 Out	USB	(MPJ)
E11	9-9	0700	9079	Sat	491/00 Out	USB	(AB)
E11	9-9	1910	4181	Sat	391/00 Out	USB	(AB)
E11	10-9	0600	8680	Sun	353/00 Out	USB	(AB)
E11	10-9	0700	9079	Sun	498/00 Out	USB	(AB)
E11	10-9	1530	4505	Sun	369/00 Out	USB	(AB)
E11	10-9	1605	5176	Sun	238/00 Out	USB	(AB)
E11	10-9	1745	13470	Sun	240/00 Out	USB	(AB/MPJ)
E11	10-9	1815	11116	Sun	925/00 Out	USB	(AB/MPJ)
E11	11-9	0450	5371	Mon	415/00 Out	USB	(HFD)
E11	11-9	1745	13470	Mon	244/00 Out	USB	(AB)
E11	11-9	1900	7317	Mon	644/00 Out	USB	(AB)
E11	12-9	0700	8180	Tue	573/00 Out	USB	(AB)

E11	12-9	0715	9963	Tue	630/00 Out	USB	(AB)
E11	13-9	1715	6923	Wed	974/00 Out	USB	(AB)
E11	13-9	1910	4181	Wed	391/00 Out	USB	(AB)
E11	14-9	1730	7864	Thu	415/00 Out	USB	(AB)
E11	14-9	1900	7317	Thu	647/00 Out	USB	(AB)
E11	14-9	2000	5737	Thu	528/00 Out	USB	(AB)
E11	15-9	1715	6923	Fri	974/00 Out	USB	(AB)
E11	15-9	1815	11116	Fri	925/00 Out	USB	(AB)
E11	15-9	1910	8530	Fri	618/00 Out	USB	(AB)
E11	16-9	0700	9079	Sat	495/00 Out	USB	(AB)
E11	16-9	1530	4505	Sat	368/00 Out	USB	(AB)
E11	16-9	1910	4181	Sat	392/00 Out	USB	(AB)
E11	17-9	0600	8680	Sun	352/00 Out	USB	(AB)
E11	17-9	0700	9079	Sun	495/00 Out	USB	(AB)
E11	17-9	1530	4505	Sun	369/00 Out	USB	(AB-POL)
E11	17-9	1745	13470	Sun	244/00 Out	USB	(AB/MPJ)
E11	17-9	1815	11116	Sun	925/00 Out	USB	(AB/MPJ)
E11	17-9	1910	8530	Sun	612/00 Out	USB	(AB)
E11	17-9	2000	5737	Sun	528/00 Out	USB	(AB)
E11	18-9	0450	5371	Mon	414/00 Out	USB	(AB)
E11	18-9	0715	15632	Mon	752/00 Out	USB	(AB-POL)
E11	18-9	0745	10213	Mon	268/00 Out	USB	(AB/Lac)
E11	18-9	0830	20170	Mon	181/00 Out	USB	(AB-POL/Lac)
E11	18-9	0845	12202	Mon	718/00 Out	USB	(AB/Lac)
E11	18-9	0900	9968	Mon	533/00 Out	USB	(AB/Lac)
E11	18-9	1745	13470	Mon	240/00 Out	USB	(AB)
E11	18-9	1900	7317	Mon	648/00 Out	USB	(AB)
E11	19-9	0645	8423	Tue	511/00 Out	USB	(AB)
E11	19-9	0700	8180	Tue	577/00 Out	USB	(AB)
E11	19-9	0715	9963	Tue	635/00 Out	USB	(AB)
E11	19-9	0820	19184	Tue	134/00 Out	USB	(AB-POL)
E11	19-9	0845	18168	Tue	157/00 Out	USB	(AB-POL)
E11	19-9	1000	9951	Tue	302/00 Out	USB	(AB)
E11	19-9	1205	9399	Tue	464/00 Out	USB	(AB)
E11	19-9	1230	12530	Tue	335/00 Out	USB	(AB)
E11	19-9	1430	14972	Tue	917/00 Out	USB	(AB)
E11	19-9	1605	5176	Tue	233/00 Out	USB	(AB-POL)
E11	20-9	0315	11581	Wed	256/00 Out	USB	(AB-POL)
E11	20-9	0715	15632	Wed	755/00 Out	USB	(AB-POL)
E11	20-9	0745	17410	Wed	347/00 Out	USB	(AB-POL)
E11	20-9	0820	19184	Wed	131/00 Out	USB	(AB-POL)
E11	20-9	0845	12202	Wed	715/00 Out	USB	(AB)

E11	20-9	0900	9968	Wed	530/00 Out	USB	(AB)
E11	20-9	0930	6940	Wed	276/00 Out	USB	(AB-POL)
E11	20-9	1205	9399	Wed	466/00 Out	USB	(AB)
E11	20-9	1715	6923	Wed	976/00 Out	USB	(AB)
E11	21-9	0645	8423	Thu	510/00 Out	USB	(AB)
E11	21-9	0820	7670	Thu	432/00 Out	USB	(AB)
E11	21-9	0845	18168	Thu	150/00 Out	USB	(AB-POL)
E11	21-9	0930	6940	Thu	271/00 Out	USB	(AB)
E11	21-9	1230	12530	Thu	337/00 Out	USB	(Anon)
E11	21-9	1530	10330	Thu	260/00 Out	USB	(AB)
E11	21-9	1730	7864	Thu	416/00 Out	USB	(AB)
E11	21-9	1900	7317	Thu	646/00 Out	USB	(AB)
E11	21-9	2000	5737	Thu	527/00 Out	USB	(AB)
E11	22-9	0700	8180	Fri	579/00 Out	USB	(AB)
E11	22-9	0715	9963	Fri	635/00 Out	USB	(AB)
E11	22-9	0745	17410	Fri	348/00 Out	USB	(AB-POL)
E11	22-9	0820	7670	Fri	438/00 Out	USB	(AB)
E11	22-9	0830	20170	Fri	188/00 Out	USB	(AB-POL)
E11	22-9	1000	9951	Fri	308/00 Out	USB	(AB)
E11	22-9	1715	6923	Fri	976/00 Out	USB	(AB/MPJ)
E11	22-9	1910	8530	Fri	618/00 Out	USB	(AB)
E11	23-9	0700	9079	Sat	496/00 Out	USB	(AB)
E11	23-9	1430	14972	Sat	917/00 Out	USB	(AB-POL)
E11	23-9	1530	4505	Sat	364/00 Out	USB	(AB-POL)
E11	24-9	0700	9079	Sun	492/00 Out	USB	(AB)
E11	24-9	1530	4505	Sun	366/00 Out	USB	(AB-POL)
E11	24-9	1605	5176	Sun	236/00 Out	USB	(AB-POL)
E11	24-9	1910	8530	Sun	616/00 Out	USB	(AB)
E11	24-9	2000	5737	Sun	527/00 Out	USB	(AB)
E11	25-9	0450	5371	Mon	418/00 Out	USB	(AB)
E11	25-9	0715	15632	Mon	754/00 Out	USB	(AB-POL/Lac)
E11	25-9	0745	10213	Mon	269/00 Out	USB	(AB/Lac)
E11	25-9	0830	20170	Mon	183/00 Out	USB	(AB-POL/Lac)
E11	25-9	0845	12202	Mon	713/00 Out	USB	(AB-POL)
E11	25-9	1045	10200	Mon	690/00 Out	USB	(AB)
E11	25-9	1300	5371	Mon	314/00 Out	USB	(AB-POL)
E11	25-9	1745	13470	Mon	248/00 Out	USB	(AB)
E11	26-9	0645	8423	Tue	514/00 Out	USB	(AB)
E11	26-9	0715	9963	Tue	634/00 Out	USB	(AB)
E11	26-9	0745	14865	Tue	223/00 Out	USB	(AB-POL)
E11	26-9	1000	9951	Tue	304/00 Out	USB	(AB)
E11	26-9	1230	12530	Tue	337/00 Out	USB	(AB)

E11	26-9	1430	14972	Tue	911/00 Out	USB	(AB)
E11	26-9	1605	5176	Tue	230/00 Out	USB	(AB-POL)
E11	27-9	0315	11581	Wed	258/00 Out	USB	(AB-POL)
E11	27-9	0715	15632	Wed	750/00 Out	USB	(AB)
E11	27-9	0745	17410	Wed	346/00 Out	USB	(AB-POL)
E11	27-9	0820	19184	Wed	130/00 Out	USB	(AB-POL)
E11	27-9	0845	12202	Wed	713/00 Out	USB	(AB)
E11	27-9	1045	10200	Wed	691/00 Out	USB	(AB)
E11	27-9	1715	6923	Wed	977/00 Out	USB	(AB)
E11	27-9	1910	4181	Wed	395/00 Out	USB	(AB)
E11	28-9	0645	8423	Thu	517/00 Out	USB	(AB)
E11	28-9	0745	14865	Thu	220/00 Out	USB	(AB-POL)
E11	28-9	1230	12530	Thu	331/00 Out	USB	(AB)
E11	28-9	1300	5371	Thu	316/00 Out	USB	(AB-POL)
E11	28-9	1530	10330	Thu	264/00 Out	USB	(AB)
E11	28-9	1730	7864	Thu	414/00 Out	USB	(AB)
E11	28-9	2000	5737	Thu	528/00	USB	(AB)
E11	29-9	0600	8680	Fri	355/00 Out	USB	(AB)
E11	29-9	0715	9963	Fri	633/00 Out	USB	(AB)
E11	29-9	0745	17410	Fri	347/00 Out	USB	(AB-POL)
E11	29-9	0830	20170	Fri	188/00 Out	USB	(AB-POL)
E11	29-9	1000	9951	Fri	309/00 Out	USB	(AB)
E11	29-9	1715	6923	Fri	974/00 Out	USB	(AB)
E11	29-9	1815	11116	Fri	929/00 Out	USB	(AB)
E11	29-9	1910	8530	Fri	610/00 Out	USB	(AB)
E11	30-9	0700	9079	Sat	492/00 Out	USB	(AB)
E11	30-9	1430	14972	Sat	912/00 Out	USB	(AB/MPJ)
E11	30-9	1530	4505	Sat	360/00 Out	USB	(TM)
E11	30-9	1910	4181	Sat	392/00 Out	USB	(TM)
E11a	2-9	0700	9079	Sat	490/34 Attention 85860 31822 87491 ... 25112 43525 18709 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	2-9	1530	4505	Sat	366/40 Attention 60050 51963 06613 ... 47848 95139 68876 Attention (msg rptd) Out	USB	(AB/Subilo/HFD)
E11a	2-9	1930	4073	Sat	121/32 Attention 75036 59355 96208 ... 39572 14683 28994 Attention (msg rptd) Out	USB	(sse)
E11a	3-9	0700	9079	Sun	490/34 Attention 85860 31822 87491 ... 25112 43525 18709 Attention (msg rptd) Out	USB	(AB/Subilo/HFD)
E11a	3-9	1530	4505	Sun	366/40 Attention 60050 51963 06613 ... 47848 95139 68876 Attention (msg rptd) Out	USB	(MPJ-AUT/Subilo)
E11a	4-9	0450	5371	Mon	410/32 Attention 81564 24861 25209 ... 84578 75345 31072 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	4-9	0715	15632	Mon	753/35 Attention 12828 86865 40659 ... 34827 44910 34246 Attention (msg rptd) Out	USB	(AB-POL/Subilo/HFD)
E11a	4-9	0745	10213	Mon	268/36 Attention 19908 09947 35662 ... 54952 53851 44478 Attention (msg rptd) Out	USB	(AB/Lac/Subilo/HFD)
E11a	5-9	0715	9963	Tue	637/35 Attention 66302 85918 75854 ... 87340 72976 54378 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	5-9	0715	9963	Tue	637/35 Attention 66302 85918 75854 ... 87340 72976 54378 Attention (msg rptd) Out	USB	(Subilo)
E11a	5-9	1000	9951	Tue	309/23 Attention 21644 38187 83219 ... 99345 92492 21847 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	6-9	0715	15632	Wed	753/35 Attention 12828 86865 40659 ... 34827 44910 34246 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	6-9	0745	17410	Wed	344/32 Attention 07062 10882 89091 ... 52849 79852 47707 Attention (msg rptd) Out	USB	(AB-POL/Subilo)

E11a	6-9	1715	6923	Wed	972/36 Attention 10059 40259 18710 ... 19037 21660 39631 Attention (msg rptd) Out	USB	(Subilo)
E11a	7-9	1530	10330	Thu	268/36 Attention 19908 09947 35662 ... 54952 53851 44478 Attention (msg rptd) Out	USB	(AB/Subilo/HFD)
E11a	7-9	1730	7864	Thu	410/32 Attention 81564 24861 25209 ... 84578 75345 31072 Attention (msg rptd) Out	USB	(AB/Subilo/HFD)
E11a	7-9	2000	5737	Thu	520/32 Attention 64854 22921 81551 ... 23921 46528 32707 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-9	0715	9963	Fri	637/35 Attention 66302 85918 75854 ... 87340 72976 54378 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-9	0745	17410	Fri	344/32 Attention 07062 10882 89091 ... 52849 79852 47707 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-9	1000	9951	Fri	309/23 Attention 21644 38187 83219 ... 99345 92492 21847 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-9	1715	6923	Fri	972/36 Attention 10059 40259 18710 ... 19037 21660 39631 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-9	1910	8530	Fri	617/34 Attention 69160 72171 76512 ... 44441 49453 09721 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-9	1910	8530	Sun	617/34 Attention 69160 72171 76512 ... 44441 49453 09721 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-9	2000	5737	Sun	520/32 Attention 64854 22921 81551 ... 23921 46528 32707 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	11-9	0830	20170	Mon	182/22 Attention 40844 68381 19460 ... 94239 93164 66361 Attention (msg rptd) Out	USB	(Subilo)
E11a	11-9	0845	12202	Mon	715/33 Attention 82058 59926 45947 ... 07352 46164 67661 Attention (msg rptd) Out	USB	(Subilo)
E11a	12-9	0645	8423	Tue	512/35 Attention 67361 03517 50835 ... 94875 10520 48305 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	12-9	1230	12530	Tue	338/34 Attention 68499 41865 81483 ... 08336 84934 46562 Attention (msg rptd) Out	USB	(Subilo)
E11a	12-9	1430	14972	Tue	915/33 Attention 66291 77310 95276 ... 72529 25733 96098 Attention (msg rptd) Out	USB	(Lac/Subilo)
E11a	13-9	0845	12202	Wed	715/33 Attention 82058 59926 45947 ... 07352 46164 67661 Attention (msg rptd) Out	USB	(Subilo)
E11a	14-9	0645	8423	Thu	512/35 Attention 67361 03517 50835 ... 94875 10520 48305 Attention (msg rptd) Out	USB	(AB)
E11a	14-9	0645	8423	Thu	512/35 Attention 67361 03517 50835 ... 94875 10520 48305 Attention (msg rptd) Out	USB	(Subilo)
E11a	14-9	1230	12530	Thu	338/34 Attention 68499 41865 81483 ... 08336 84934 46562 Attention (msg rptd) Out	USB	(Subilo)
E11a	14-9	2000	5737	Thu	520/32 Attention 64854 22921 81551 ... 23921 46528 32707 Attention (msg rptd) Out	USB	(Subilo)
E11a	15-9	0650	9049	Fri	121/30 Attention 89735 48769 53428 ... 28769 35489 67354 Attention (msg rptd) Out	USB	(AB)
E11a	15-9	0830	20170	Fri	182/22 Attention 40844 68381 19460 ... 94239 93164 66361 Attention (msg rptd) Out	USB	(Subilo)
E11a	16-9	0650	9049	Sat	121/32 Attention 78954 37682 34758 ... 53789 05643 78907 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	16-9	1430	14972	Sat	915/33 Attention 66291 77310 95276 ... 72529 25733 96098 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	17-9	0650	9049	Sun	121/35 Attention 98419 19509 85198 ... 87415 61965 41983 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-9	1605	5176	Sun	237/33 Attention 58086 97594 45388 ... 83539 78203 37005 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-9	2000	5737	Sun	520/32 Attention 64854 22921 81551 ... 23921 46528 32707 Attention (msg rptd) Out	USB	(Subilo)
E11a	18-9	0315	11092	Mon	258/40 Attention 46638 29396 32220 ... 18850 22930 89738 Attention (msg rptd) Out	USB	(Subilo/HFD)
E11a	18-9	1045	10200	Mon	696/40 Attention 65621 60912 80408 ... 68862 45036 49396 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-9	1045	10200	Mon	696/40 Attention 65621 60912 80408 ... 68862 45036 49396 Attention (msg rptd) Out	USB	(Subilo)
E11a	18-9	1300	5371	Mon	311/39 Attention 86646 37153 70368 ... 35427 62569 88191 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	18-9	1745	13470	Mon	240/31 Attention 88145 50006 27650 ... 14038 08031 13612 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-9	0745	14865	Tue	227/38 Attention 74599 65122 95064 ... 59301 35792 20009 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	20-9	0315	11092	Wed	258/40 Attention 46638 29396 32220 ... 18850 22930 89738 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-9	1045	10200	Wed	696/40 Attention 65621 60912 80408 ... 68862 45036 49396 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	20-9	1045	10200	Wed	696/40 Attention 65621 60912 80408 ... 68862 45036 49396 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-9	1910	4181	Wed	394/40 Attention 48350 08472 28578 ... 59463 00942 48058 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-9	0745	14865	Thu	227/38 Attention 74599 65122 95064 ... 59301 35792 20009 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	21-9	1300	5371	Thu	311/39 Attention 86646 37153 70368 ... 35427 62569 88191 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	22-9	0600	8680	Fri	351/34 Attention 81126 31194 22893 ... 11196 57586 96903 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-9	1815	11116	Fri	921/32 Attention 88124 51052 06006 ... 72079 50481 55778 Attention (msg rptd) Out	USB	(AB/MPJ/Subilo)

E11a	23-9	1910	4181	Sat	394/40 Attention 48350 08472 28578 ... 59463 00942 48058 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-9	0600	8680	Sun	351/34 Attention 81126 31194 22893 ... 11196 57586 96903 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-9	1745	13470	Sun	240/31 Attention 88145 50006 27650 ... 14038 08031 13612 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-9	1815	11116	Sun	921/32 Attention 88124 51052 06006 ... 72079 50481 55778 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-9	0900	9968	Mon	536/39 Attention 45186 72563 57896 ... 49992 25055 10064 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-9	1900	7317	Mon	641/40 Attention 96864 24346 49587 ... 64595 43992 88930 Attention (msg rptd) Out	USB	(AB)
E11a	25-9	1900	7317	Mon	641/40 Attention 96864 24346 49587 ... 64595 43992 88930 Attention (msg rptd) Out	USB	(Subilo)
E11a	26-9	0700	8180	Tue	571/36 Attention 78103 25571 15095 ... 89407 88263 94072 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-9	0845	18168	Tue	156/25 Attention 08075 07269 56927 ... 25396 71841 71386 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	26-9	1205	9399	Tue	263/38 Attention 23424 84235 31072 ... 36560 77303 32443 Attention (msg rptd) Out	USB	(AB)
E11a	26-9	1205	9399	Tue	463/38 Attention 23424 84235 31072 ... 36560 77303 32443 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-9	0900	9968	Wed	536/39 Attention 45186 72563 57896 ... 49992 25055 10064 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-9	0930	6940	Wed	270/34 Attention 24637 62506 46266 ... 98970 91416 99881 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	27-9	1205	9399	Wed	463/38 Attention 23424 84235 31072 ... 36560 77303 32443 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-9	0820	7670	Thu	435/30 Attention 56793 31267 66106 ... 44372 16493 17786 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-9	0845	18168	Thu	156/25 Attention 08075 07269 56927 ... 25396 71841 71386 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	28-9	0930	6940	Thu	270/34 Attention 24637 62506 46266 ... 98970 91416 99881 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-9	1900	7317	Thu	641/40 Attention 96864 24346 49587 ... 64595 43992 88930 Attention (msg rptd) Out	USB	(AB)
E11a	28-9	1900	7317	Thu	641/40 Attention 96864 24346 49587 ... 64595 43992 88930 Attention (msg rptd) Out	USB	(Subilo)
E11a	29-9	0700	8180	Fri	571/36 Attention 78103 25571 15095 ... 89407 88263 94072 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	29-9	0820	7670	Fri	435/30 Attention 56793 31267 66106 ... 44372 16493 17786 Attention (msg rptd) Out	USB	(AB/Subilo)
F01	1-9	1015	9128	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	1-9	1025	7546	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	1-9	1035	5113	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	4-9	1015	9128	Mon	Russian diplo/intel. 55422 84721 22357 ... 43973 20797 69411 00000 +++++	FSK 200/500	(AB-POL)
F01	4-9	1025	7546	Mon	Russian diplo/intel. 55422 84721 22357 ... 43973 20797 69411 00000 +++++	FSK 200/500	(AB-FIN)
F01	4-9	1035	5113	Mon	Russian diplo/intel. Not heard	FSK 200/500	(AB)
F01	5-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	5-9	1015	9128	Tue	Russian diplo/intel. 56568 06653 78686 ... 08650 87924 72425 00000 +++++ +++++	FSK 200/500	(Anon/PY)
F01	5-9	1025	7546	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	5-9	1035	5113	Tue	Russian diplo/intel. Not heard	FSK 200/500	(AB)
F01	6-9	1840	13467	Wed	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(PY)
F01	6-9	1850	11084	Wed	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(PY)
F01	6-9	1900	9052	Wed	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(PY)
F01	7-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	7-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	7-9	1035	5113	Thu	Russian diplo/intel. Not heard	FSK 200/500	(AB)
F01	12-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/Subilo)
F01	12-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/Subilo)
F01	18-9	1015	9128	Mon	Russian diplo/intel. 04258 96722 03291 ... 82796 54613 81415 00000 +++++ +++++ +++++	FSK 200/500	(AB-FIN/HFD-POL)

F01	18-9	1025	7546	Mon	Russian diplo/intel. 04258 96722 03291 ... 82796 54613 81415 00000 +++++ +++++ +++++	FSK 200/500	(AB-FIN/HFD-POL)
F01	18-9	1035	5113	Mon	Russian diplo/intel. 04258 96722 03291 ... 82796 54613 81415 00000 +++++ +++++ +++++	FSK 200/500	(AB-FIN/HFD-POL)
F01	19-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	19-9	1025	7546	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	19-9	1035	5113	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	20-9	1015	9128	Wed	Russian diplo/intel. Too weak to copy	FSK 200/500	(AB-FIN)
F01	20-9	1025	7546	Wed	Russian diplo/intel. Too weak to copy	FSK 200/500	(AB-FIN)
F01	20-9	1035	5113	Wed	Russian diplo/intel. Not heard	FSK 200/500	(AB-FIN)
F01	21-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	21-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN/PY)
F01	21-9	1035	5113	Thu	Russian diplo/intel. Not heard	FSK 200/500	(AB)
F01	22-9	1015	9128	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	22-9	1025	7546	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-FIN)
F01	22-9	1035	5113	Fri	Russian diplo/intel. Not heard	FSK 200/500	(AB-FIN)
F01	25-9	1015	9128	Mon	Russian diplo/intel. 99020 22696 90429 ... 82132 19081 87411 00000 +++++	FSK 200/500	(AB-FIN)
F01	25-9	1025	7546	Mon	Russian diplo/intel. 99020 22696 90429 ... 82132 19081 87411 00000 +++++	FSK 200/500	(AB-FIN)
F01	25-9	1035	5113	Mon	Russian diplo/intel. Too weak to copy	FSK 200/500	(AB-FIN)
F01	26-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	26-9	1025	7546	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	26-9	1035	5113	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-FIN)
F01	27-9	1015	9128	Wed	Russian diplo/intel. 41412 00387 07580 ... 56306 52716 90407 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	27-9	1025	7546	Wed	Russian diplo/intel. Too weak to copy	FSK 200/500	(AB-FIN)
F01	27-9	1035	5113	Wed	Russian diplo/intel. Not heard	FSK 200/500	(AB-FIN)
F01	28-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	29-9	1015	9128	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	29-9	1025	7546	Fri	Russian diplo/intel. Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	29-9	1035	5113	Fri	Russian diplo/intel. Not heard	FSK 200/500	(AB-RUS)
F02	5-9	0638	14386	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0650	14386	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0830	16230	Tue	Russian domestic net. Long transmission, ca 50 mins.	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0904	16232	Tue	Russian domestic net. Mixing with the station on 16232 kHz. Both off at 0923z	MFSK-4/150Bd/4000Hz	(AB)
F02	19-9	0707	16189	Tue	Russian domestic net. Long transmission	MFSK-4/150Bd/4000Hz	(AB)
F02	19-9	0830	16230	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-9	0830	17467	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-9	0835	16230	Fri	Russian domestic net. Long transmission, ca 38 mins.	MFSK-4/150Bd/4000Hz	(AB)
F02	26-9	0830	16230	Tue	Russian domestic net. Long 55 minutes transmission	MFSK-4/150Bd/4000Hz	(AB)
F02	28-9	1200	11482	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	28-9	1215	10753	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)

<b>F02</b>	29-9	0824	18632	Fri	Russian domestic net. Very short transmission	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-9	0830	16230	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-9	0833	18632	Fri	Russian domestic net. Very short transmission	MFSK-4/150Bd/4000Hz	(AB)
<b>F03j</b>	1-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-9	0955	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	6-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	6-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	6-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	6-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-9	0630	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-9	0635	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	11-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	11-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12-9	0630	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12-9	0635	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-9	0630	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-9	0635	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	18-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	18-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	18-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	18-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	18-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	18-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	19-9	0630	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	19-9	0635	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	19-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	19-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	19-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	19-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	20-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	20-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	20-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)



<b>F03j</b>	20-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-9	0430	23060	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	21-9	0430	23060	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	21-9	0630	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-9	0635	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-9	0815	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	22-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-9	0955	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	25-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	25-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	25-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-9	0630	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-9	0635	19515	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	27-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	27-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-9	0630	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-9	0635	19515	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-9	0815	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	29-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-9	0955	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03I</b>	1-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	1-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	1-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	1-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	4-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	5-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-9	1010	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1015	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	6-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	7-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0800	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0805	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(EW)
F03I	12-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(EW)
F03I	14-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	19-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	19-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	19-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	19-9	0810	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0815	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	1010	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	1015	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	20-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	21-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0800	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0805	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-9	0810	20586	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-9	0855	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	22-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	25-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	26-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	26-9	0810	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0815	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1010	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1015	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	27-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(MPJ)
F03I	28-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0800	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0805	7499	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0800	7499	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0805	7499	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0810	20586	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	29-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0855	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	29-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F06	1-9	0700	8183	Fri	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB)
F06	1-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 95843 01095 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	1-9	0720	5264	Fri	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB-RUS)
F06	4-9	0400	8163	Mon	Russian diplo/intel. 11166 70059 98765 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	4-9	0410	7450	Mon	Russian diplo/intel. 11166 70059 98765 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-9	0420	6789	Mon	Russian diplo/intel. 11166 70059 98765 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 91235 01007 02339	FSK 200/1000	(AB-POL)
F06	4-9	0710	6839	Mon	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB-POL)
F06	4-9	0720	5264	Mon	Russian diplo/intel. Not heard	FSK 200/1000	(AB-POL)
F06	4-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 91235 01007 02339	FSK 200/1000	(AB-FIN)
F06	4-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 91235 01007 02339	FSK 200/1000	(AB-FIN)

F06	4-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 91235 01007 02339	FSK 200/1000	(AB-FIN)
F06	5-9	0040	9055	Tue	Russian diplo/intel. Null message	FSK 200/1000	(PY)
F06	5-9	0050	7989	Tue	Russian diplo/intel. 11166 60070 23648 05001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-9	0700	8183	Tue	Russian diplo/intel. Too poor to copy	FSK 200/1000	(AB-FIN)
F06	5-9	0710	6839	Tue	Russian diplo/intel. Too poor to copy	FSK 200/1000	(AB-FIN)
F06	5-9	0720	5264	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	5-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 45821 04008 01779 and 11166 70202 65874 04009 01379	FSK 200/1000	(AB-FIN)
F06	5-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 45821 04008 01779 and 11166 70202 65874 04009 01379	FSK 200/1000	(AB-FIN)
F06	5-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 45821 04008 01779 and 11166 70202 65874 04009 01379	FSK 200/1000	(AB-FIN)
F06	5-9	1230	19127	Tue	Russian diplo/intel. 11166 30154 43769 05637 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-9	1250	11055	Tue	Russian diplo/intel. 11166 30154 43769 05637 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-9	1650	19351	Tue	Russian diplo/intel. 11166 10053 48620 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-9	1700	18517	Tue	Russian diplo/intel. 11166 10053 48620 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	5-9	1710	13527	Tue	Russian diplo/intel. 11166 10053 48620 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	6-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-RUS)
F06	6-9	0610	13503	Wed	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-KOR/PY)
F06	6-9	0620	11109	Wed	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-KOR)
F06	6-9	0700	8183	Wed	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB-FIN)
F06	6-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 53487 05010 02439	FSK 200/1000	(PY)
F06	6-9	0720	5264	Wed	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	6-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 53487 05010 02439	FSK 200/1000	(Anon/PY)
F06	6-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 53487 05010 02439	FSK 200/1000	(Anon)
F06	6-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 53487 05010 02439	FSK 200/1000	(Anon)
F06	7-9	0600	15930	Thu	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-RUS)
F06	7-9	0610	13503	Thu	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-KOR)
F06	7-9	0620	11109	Thu	Russian diplo/intel. 11166 40122 74921 02072 03699	FSK 200/1000	(AB-KOR)
F06	7-9	0700	8183	Thu	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	7-9	0710	6839	Thu	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	7-9	0720	5264	Thu	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	7-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 14253 06011 01699 and 11166 70202 65827 06012 01539	FSK 200/1000	(AB-POL)
F06	7-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 14253 06011 01699 and 11166 70202 65827 06012 01539	FSK 200/1000	(AB-POL)
F06	7-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 14253 06011 01699 and 11166 70202 65827 06012 01539	FSK 200/1000	(AB-POL)
F06	7-9	1330	19256	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-9	1330	19256	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	7-9	1340	14521	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-9	1340	14521	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	7-9	1350	12137	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-9	1350	12137	Thu	Russian diplo/intel. 11166 80214 95163 07056 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	8-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 51238 07055 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-9	1530	20931	Sun	Russian diplo/intel. 11166 10053 12457 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-9	1540	19219	Sun	Russian diplo/intel. 11166 10053 12457 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-9	1550	14389	Sun	Russian diplo/intel. 11166 10053 12457 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)

F06	11-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 12647 08013 02379	FSK 200/1000	(PY)
F06	12-9	0030	12077	Tue	Russian diplo/intel. Null message	FSK 200/1000	(PY)
F06	12-9	0040	9055	Tue	Russian diplo/intel. 11166 60070 61374 12001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-9	0930	16327	Tue	Russian diplo/intel. 11166 40023 12547 13001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-9	0945	14825	Tue	Russian diplo/intel. 11166 40023 12547 13001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-9	1210	7673	Tue	Russian diplo/intel. Two messages	FSK 200/1000	(PY)
F06	12-9	1230	19127	Tue	Russian diplo/intel. 11166 30154 14523 12069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-9	1650	19351	Tue	Russian diplo/intel. 11166 10053 12345 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-9	1700	18517	Tue	Russian diplo/intel. 11166 10053 12345 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	12-9	1710	13527	Tue	Russian diplo/intel. 11166 10053 12345 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 54376 09073 03029 and 11166 40122 75146 09074 02439	FSK 200/1000	(PY)
F06	13-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 10647 12016 02439	FSK 200/1000	(PY)
F06	13-9	1300	17435	Wed	Russian diplo/intel. 11166 60081 25874 13065 00049 00000 00000 00000 00000	FSK 200/1000	(Pof)
F06	13-9	1310	16323	Wed	Russian diplo/intel. 11166 60081 25874 13065 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	13-9	1320	11617	Wed	Russian diplo/intel. 11166 60081 25874 13065 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 78245 13017 01919 and 11166 70202 98214 13018 02159	FSK 200/1000	(PY)
F06	14-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 78245 13017 01919 and 11166 70202 98214 13018 02159	FSK 200/1000	(PY)
F06	14-9	1330	19256	Thu	Russian diplo/intel. 11166 80214 34571 14072 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(PY)
F06	15-9	1200	9188	Fri	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(PY)
F06	17-9	1530	20931	Sun	Russian diplo/intel. 11166 10053 43897 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-9	1540	19219	Sun	Russian diplo/intel. 11166 10053 43897 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-9	1550	14389	Sun	Russian diplo/intel. 11166 10053 43897 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-9	0400	8163	Mon	Russian diplo/intel. 11166 70059 42831 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Subilo)
F06	18-9	0410	7450	Mon	Russian diplo/intel. 11166 70059 42831 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-9	0420	6789	Mon	Russian diplo/intel. 11166 70059 42831 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 45327 15019 02179	FSK 200/1000	(AB-POL)
F06	18-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 45327 15019 02179	FSK 200/1000	(AB-POL)
F06	18-9	0720	5264	Mon	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB-POL)
F06	18-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 45327 15019 02179	FSK 200/1000	(AB-FIN)
F06	18-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 45327 15019 02179	FSK 200/1000	(AB-FIN)
F06	18-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 45327 15019 02179	FSK 200/1000	(AB-FIN)
F06	19-9	0030	12077	Tue	Russian diplo/intel. Null message	FSK 200/1000	(PY)
F06	19-9	0050	7989	Tue	Russian diplo/intel. 11166 60070 12345 19001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	19-9	0700	8183	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	19-9	0710	6839	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	19-9	0720	5264	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	19-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 36254 18020 01739 and 11166 70202 15478 18021 02239	FSK 200/1000	(AB-FIN)
F06	19-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 36254 18020 01739 and 11166 70202 15478 18021 02239	FSK 200/1000	(AB-FIN)
F06	19-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 36254 18020 01739 and 11166 70202 15478 18021 02239	FSK 200/1000	(AB-FIN)
F06	19-9	1230	19127	Tue	Russian diplo/intel. 11166 30154 14785 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	19-9	1240	13891	Tue	Russian diplo/intel. 11166 30154 14785 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)

F06	19-9	1250	11055	Tue	Russian diplo/intel. 11166 30154 14785 19069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	19-9	1650	19351	Tue	Russian diplo/intel. 11166 10053 24681 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	19-9	1700	18517	Tue	Russian diplo/intel. 11166 10053 24681 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	19-9	1710	13527	Tue	Russian diplo/intel. 11166 10053 24681 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 12547 20202 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	20-9	0610	13503	Wed	Russian diplo/intel. 11166 40122 12547 20202 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	20-9	0620	11109	Wed	Russian diplo/intel. 11166 40122 12547 20202 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	20-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(AB-FIN)
F06	20-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(AB-FIN)
F06	20-9	0720	5264	Wed	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB-FIN)
F06	20-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(AB-FIN)
F06	20-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(AB-FIN)
F06	20-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 25498 19022 02479	FSK 200/1000	(AB-FIN)
F06	20-9	1300	17435	Wed	Russian diplo/intel. Null message	FSK 200/1000	(TM)
F06	21-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 16254 20023 01759 and 11166 70202 25478 20024 02339	FSK 200/1000	(AB-FIN)
F06	21-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 16254 20023 01759 and 11166 70202 25478 20024 02339	FSK 200/1000	(AB-FIN/PY)
F06	21-9	0720	5264	Thu	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	21-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 16254 20023 01759 and 11166 70202 25478 20024 02339	FSK 200/1000	(Anon)
F06	21-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 16254 20023 01759 and 11166 70202 25478 20024 02339	FSK 200/1000	(Anon)
F06	21-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 16254 20023 01759 and 11166 70202 25478 20024 02339	FSK 200/1000	(Anon)
F06	21-9	1330	19256	Thu	Russian diplo/intel. 11166 80214 23156 20013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-9	1340	14521	Thu	Russian diplo/intel. 11166 80214 23156 20013 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	21-9	1350	12137	Thu	Russian diplo/intel. 11166 80214 23156 20013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 15486 22075 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	22-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 15486 22075 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	22-9	0720	5264	Fri	Russian diplo/intel. Not heard	FSK 200/1000	(AB-POL)
F06	23-9	1300	11123	Sat	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	23-9	1310	9425	Sat	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	23-9	1320	7526	Sat	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	24-9	1300	11123	Sun	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	24-9	1310	9425	Sun	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	24-9	1320	7526	Sun	Russian diplo/intel. 11166 70202 00000 22025 00399	FSK 200/1000	(PY)
F06	24-9	1530	20931	Sun	Russian diplo/intel. 11166 10053 12345 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/Subilo)
F06	24-9	1540	19219	Sun	Russian diplo/intel. 11166 10053 12345 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	24-9	1550	14389	Sun	Russian diplo/intel. 11166 10053 12345 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)
F06	25-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)
F06	25-9	0720	5264	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)
F06	25-9	0800	9274	Mon	Russian diplo/intel. 11100 00000 18367 22007 00939	FSK 200/1000	(Pof)
F06	25-9	0810	7614	Mon	Russian diplo/intel. 11100 00000 18367 22007 00939	FSK 200/1000	(PY)
F06	25-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)
F06	25-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)

F06	25-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 15327 22026 02139	FSK 200/1000	(AB-FIN)
F06	26-9	0030	12077	Tue	Russian diplo/intel. 11166 60070 24681 26001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	26-9	0700	8183	Tue	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB-FIN)
F06	26-9	0710	6839	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	26-9	0720	5264	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB-FIN)
F06	26-9	0800	9274	Tue	Russian diplo/intel. Too weak to copy	FSK 200/1000	(Pof)
F06	26-9	0810	7614	Tue	Russian diplo/intel. Too weak to copy	FSK 200/1000	(PY)
F06	26-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 74125 25027 01699 and 11166 70202 25896 25028 02159	FSK 200/1000	(AB)
F06	26-9	1210	7673	Tue	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB)
F06	26-9	1220	5872	Tue	Russian diplo/intel. Not heard	FSK 200/1000	(AB)
F06	26-9	1230	11055	Tue	Russian diplo/intel. 11166 30154 12547 26262 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	26-9	1650	19351	Tue	Russian diplo/intel. 11166 10053 12457 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-9	1700	18517	Tue	Russian diplo/intel. 11166 10053 12457 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-9	1710	13527	Tue	Russian diplo/intel. 11166 10053 12457 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-J)
F06	27-9	0610	13503	Wed	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-J)
F06	27-9	0620	11109	Wed	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-J)
F06	27-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 51327 26029 02199	FSK 200/1000	(AB-FIN)
F06	27-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 51327 26029 02199	FSK 200/1000	(AB-FIN)
F06	27-9	0720	5264	Wed	Russian diplo/intel. Too weak to copy	FSK 200/1000	(AB-FIN)
F06	27-9	0915	20949	Wed	Russian diplo/intel. 11166 40023 12457 27091 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	27-9	0930	16327	Wed	Russian diplo/intel. 11166 40023 12457 27091 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	27-9	0945	14825	Wed	Russian diplo/intel. 11166 40023 12457 27091 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 51327 26029 02199	FSK 200/1000	(AB)
F06	27-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 51327 26029 02199	FSK 200/1000	(AB-FIN)
F06	27-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 51327 26029 02199	FSK 200/1000	(AB-FIN)
F06	27-9	1300	17435	Wed	Russian diplo/intel. 11166 60081 12345 27678 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-9	1310	16323	Wed	Russian diplo/intel. 11166 60081 12345 27678 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-9	1320	11617	Wed	Russian diplo/intel. 11166 60081 12345 27678 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-9	0600	15930	Thu	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-KOR)
F06	28-9	0610	13503	Thu	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-KOR)
F06	28-9	0620	11109	Thu	Russian diplo/intel. 11166 40122 96541 23075 03609	FSK 200/1000	(AB-J)
F06	28-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 84612 27030 01679 and 11166 70202 96123 27031 02179	FSK 200/1000	(AB-RUS)
F06	28-9	1330	19256	Thu	Russian diplo/intel. 11166 80214 68931 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	28-9	1340	14521	Thu	Russian diplo/intel. 11166 80214 68931 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-9	1350	12137	Thu	Russian diplo/intel. 11166 80214 68931 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 23789 29022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)



F06	29-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 23789 29022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	29-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 23789 29022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06a	1-9	0400	4795	Fri	Russian diplo/intel. File 44495	FSK 200/1000	(AB)
F06a	1-9	0415	5463	Fri	Russian diplo/intel. File 44495	FSK 200/1000	(AB)
F06a	1-9	0430	7329	Fri	Russian diplo/intel. File 44495	FSK 200/1000	(AB)
F06a	2-9	2100	16329	Sat	Russian diplo/intel. File 04487	FSK 200/1000	(AB/RL)
F06a	2-9	2115	12217	Sat	Russian diplo/intel. File 04487	FSK 200/1000	(AB/RL)
F06a	2-9	2130	11125	Sat	Russian diplo/intel. File 04487	FSK 200/1000	(AB/RL)
F06a	3-9	2100	16329	Sun	Russian diplo/intel. File 04487	FSK 200/1000	(AB-POL)
F06a	3-9	2115	12217	Sun	Russian diplo/intel. File 04487	FSK 200/1000	(AB)
F06a	3-9	2130	11125	Sun	Russian diplo/intel. File 04487	FSK 200/1000	(AB)
F06a	8-9	0400	4859	Fri	Russian diplo/intel. File 44496	FSK 200/1000	(AB)
F06a	8-9	0415	5547	Fri	Russian diplo/intel. File 44496	FSK 200/1000	(AB)
F06a	8-9	0430	6776	Fri	Russian diplo/intel. File 44496	FSK 200/1000	(AB)
F06a	9-9	2100	16329	Sat	Russian diplo/intel. File 04488	FSK 200/1000	(AB)
F06a	9-9	2115	12217	Sat	Russian diplo/intel. File 04488	FSK 200/1000	(AB)
F06a	9-9	2130	11125	Sat	Russian diplo/intel. File 04488	FSK 200/1000	(AB)
F06a	10-9	2100	16329	Sun	Russian diplo/intel. File 04488	FSK 200/1000	(AB-POL)
F06a	10-9	2115	12217	Sun	Russian diplo/intel. File 04488	FSK 200/1000	(AB)
F06a	10-9	2130	11125	Sun	Russian diplo/intel. File 04488	FSK 200/1000	(AB)
F06a	12-9	1520	11128	Tue	Russian diplo/intel. File 80159~1.TXT (2022 bytes). Header 11100 80159 18754 10144 03279	FSK 200/1000	(T101)
F06a	12-9	1530	9467	Tue	Russian diplo/intel. File 80159~1.TXT (2022 bytes). Header 11100 80159 18754 10144 03279	FSK 200/1000	(T101)
F06a	12-9	1540	7464	Tue	Russian diplo/intel. File 80159~1.TXT (2022 bytes). Header 11100 80159 18754 10144 03279	FSK 200/1000	(PY))
F06a	13-9	1400	12211	Wed	Russian diplo/intel.	FSK 200/1000	(FD)
F06a	13-9	1415	10576	Wed	Russian diplo/intel. 1 msg, 130 blocks,	FSK 200/1000	(Pof)
F06a	13-9	1430	8075	Wed	Russian diplo/intel. 1 msg, 130 blocks,	FSK 200/1000	(PY)
F06a	14-9	0415	5247	Thu	Russian diplo/intel. File 04497	FSK 200/1000	(PY)
F06a	15-9	0415	5247	Fri	Russian diplo/intel. File 04497	FSK 200/1000	(PY)
F06a	16-9	2100	16329	Sat	Russian diplo/intel. File 04489	FSK 200/1000	(AB)
F06a	16-9	2115	12217	Sat	Russian diplo/intel. File 04489	FSK 200/1000	(AB)
F06a	16-9	2130	11125	Sat	Russian diplo/intel. File 04489	FSK 200/1000	(AB)
F06a	17-9	2100	16329	Sun	Russian diplo/intel. File 04489	FSK 200/1000	(AB-POL)
F06a	17-9	2115	12217	Sun	Russian diplo/intel. File 04489	FSK 200/1000	(AB)
F06a	17-9	2130	11125	Sun	Russian diplo/intel. File 04489	FSK 200/1000	(AB)
F06a	21-9	0400	4859	Thu	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	21-9	0415	5547	Thu	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	21-9	0430	6776	Thu	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	22-9	0400	4859	Fri	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	22-9	0415	5547	Fri	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	22-9	0430	6776	Fri	Russian diplo/intel. File 44498	FSK 200/1000	(AB)
F06a	23-9	2100	16329	Sat	Russian diplo/intel. File 04490	FSK 200/1000	(AB-S)
F06a	23-9	2115	12217	Sat	Russian diplo/intel. File 04490	FSK 200/1000	(AB)

F06a	23-9	2130	11125	Sat	Russian diplo/intel. File 04490	FSK 200/1000	(AB)
F06a	24-9	2100	16329	Sun	Russian diplo/intel. File 04490	FSK 200/1000	(AB-FIN)
F06a	24-9	2115	12217	Sun	Russian diplo/intel. File 04490	FSK 200/1000	(AB)
F06a	24-9	2130	11125	Sun	Russian diplo/intel. File 04490	FSK 200/1000	(AB)
F06a	25-9	0800	10316	Mon	Russian diplo/intel. File 00173~1.TXT (1961 bytes). Header 11100 00173 54312 23146 03179	FSK 200/1000	(PY)
F06a	25-9	0810	12219	Mon	Russian diplo/intel. File 00173~1.TXT (1961 bytes). Header 11100 00173 54312 23146 03179	FSK 200/1000	(PY)
F06a	25-9	0820	14652	Mon	Russian diplo/intel. File 00173~1.TXT (1961 bytes). Header 11100 00173 54312 23146 03179	FSK 200/1000	(PY)
F06a	25-9	1200	6957	Mon	Russian diplo/intel. File _KI799~2.TLG (1556 bytes) Header 11100 79993 16927 25023 02519	FSK 200/1000	(PY)
F06a	25-9	1210	9425	Mon	Russian diplo/intel. File _KI799~2.TLG (1556 bytes) Header 11100 79993 16927 25023 02519	FSK 200/1000	(PY)
F06a	25-9	1220	11611	Mon	Russian diplo/intel. File _KI799~2.TLG (1556 bytes) Header 11100 79993 16927 25023 02519	FSK 200/1000	(Pof)
F06a	26-9	1030	12227	Tue	Russian diplo/intel. File 10053~1.TXT (1987 bytes). Header 11100 10053 34671 24158 03219	FSK 200/1000	(PY)
F06a	26-9	1040	14423	Tue	Russian diplo/intel. File 10053~1.TXT (1987 bytes). Header 11100 10053 34671 24158 03219	FSK 200/1000	(PY)
F06a	26-9	1050	16283	Tue	Russian diplo/intel. File 10053~1.TXT (1987 bytes). Header 11100 10053 34671 24158 03219	FSK 200/1000	(PY)
F06a	28-9	0400	4859	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	28-9	0415	5547	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	28-9	0430	6776	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	29-9	0400	4859	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	29-9	0415	5547	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	29-9	0430	6776	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	29-9	1900	13835	Fri	Russian diplo/intel. File 04422	FSK 200/1000	(PY)
F06a	29-9	1915	12204	Fri	Russian diplo/intel. File 04422	FSK 200/1000	(PY)
F06a	29-9	1930	11156	Fri	Russian diplo/intel. File 04422	FSK 200/1000	(PY)
F06a	30-9	2100	16329	Sat	Russian diplo/intel. File 04491	FSK 200/1000	(AB-S)
F06a	30-9	2115	12217	Sat	Russian diplo/intel. File 04491	FSK 200/1000	(AB)
F06a	30-9	2130	11125	Sat	Russian diplo/intel. File 04491	FSK 200/1000	(AB)
F06s	21-9	1620	10755	Thu	Russian diplo/intel. File 40144~1.TXT (2223 bytes) Header 11100 40144 45763 17158 03609	FSK 200/1000	(PY)
F06s	21-9	1630	8063	Thu	Russian diplo/intel. File 40144~1.TXT (2223 bytes) Header 11100 40144 45763 17158 03609	FSK 200/1000	(PY)
F06s	21-9	1640	6782	Thu	Russian diplo/intel. File 40144~1.TXT (2223 bytes) Header 11100 40144 45763 17158 03609	FSK 200/1000	(PY)
F07	7-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	14-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	14-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	14-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	14-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)

<b>F07</b>	14-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	19-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	21-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	26-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	26-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	26-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	26-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	26-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	26-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
<b>F07</b>	28-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>HM01</b>	1-9	1717	11530	Fri	27881 15045 06044 55183 25805 55474 Files: 63312788.TXT 50821504.F1C 34620604.TXT 36275518.F1G 00232580.TXT 60785547.TXT Callsign: QWERTY01 (repeat of 25 Aug)	AM/WinDRM	(AB-USA)
<b>HM01</b>	2-9	0500	11462	Sat	27881 15046 06045 55184 25806 55475 (repeat of 26 Aug)	AM/WinDRM	(AB-ATN)
<b>HM01</b>	2-9	1635	11435	Sat	27881 15046 06045 55184 25806 55475 (repeat of 26 Aug)	AM/WinDRM	(AB-USA)
<b>HM01</b>	3-9	0533	10860	Sun	27882 15047 06046 55185 25807 55476 (repeat of 27 Aug)	AM/WinDRM	(AB-ATN)
<b>HM01</b>	3-9	0558	10345	Sun	27882 15047 06046 55185 25807 55476 (repeat of 27 Aug)	AM/WinDRM	(AB)
<b>HM01</b>	3-9	1650	11435	Sun	i.p. 27882 15047 06046 55185 25807 55476 (repeat of 27 Aug)	AM/WinDRM	(AB-USA)
<b>HM01</b>	4-9	1603	11435	Mon	i.p. 25051 01456 65707 03615 10606 81075 Files 68502505.TXT 47660145.TXT 85026570.TXT 71740361.TXT 38781060.TXT 77868107.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	5-9	0506	11462	Tue	27885 01451 65700 55188 10601 55479 Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
<b>HM01</b>	5-9	1635	11435	Tue	27885 01451 65700 55188 10601 55479	AM/WinDRM	(AB-USA)
<b>HM01</b>	7-9	0705	13435	Thu	i.p. 27887 01452 65703 03611 10602 81071 Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
<b>HM01</b>	7-9	1615	11435	Thu	i.p. 27887 01452 65703 03611 10602 81071	AM/WinDRM	(AB-USA)
<b>HM01</b>	8-9	0530	10860	Fri	27888 01453 65704 03612 10603 81072 Files: 63312788.TXT 47660145.TXT 85026570.TXT 36275518.F1G 38781060.TXT 60785547.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)

HM01	10-9	0600	10345	Sun	25051 01455 65706 03614 10605 81074 Files 68502505.TXT 47660145.TXT 85026570.TXT 71740361.TXT 38781060.TXT 77868107.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	11-9	0530	10860	Mon	25051 01455 65706 03614 10605 81074 (repeat)	AM/WinDRM	(AB)
HM01	14-9	1658	11530	Thu	Radio Habana Cuba. HM01 at 1702 UTC. 40231 31684 64665 16175 58486 67733 Files 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT	AM/WinDRM	(AB)
HM01	15-9	1559	11435	Fri	40231 31685 64666 16176 58487 67734 Files 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT 63406773.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	16-9	0600	11462	Sat	40232 31686 64667 16177 58488 67735 Files 22054023.TXT 38113168.TXT 17636466.TXT 05281617.TXT 33785848.TXT 63406773.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	16-9	0605	14375	Sat	40232 31686 64667 16177 58488 67735	AM/WinDRM	(AB)
HM01	17-9	0600	10860	Sun	40233 31687 43641 16178 58489 67736 Files 22054023.TXT 38113168.TXT 50314364.F1C 05281617.TXT 33785848.TXT 63406773.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	17-9	1630	11435	Sun	40233 31687 43641 16178 58489 67736	AM/WinDRM	(AB-USA)
HM01	18-9	0800	9330	Mon	Should be on 9065 kHz. 40234 31688 43641 06451 38171 67737 Files 22054023.TXT 38113168.TXT 07280645.TXT 50133817.F1C 63406773.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	18-9	0900	9240	Mon	40234 31688 43641 06451 38171 67737	AM/WinDRM	(AB)
HM01	19-9	0529	11462	Tue	40235 31689 43642 06451 38171 58241 Files 22054023.TXT 38113168.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	19-9	0600	14375	Tue	40235 31689 43642 06451 38171 58241	AM/WinDRM	(AB-ATN)
HM01	19-9	1600	11435	Tue	40235 31689 43642 06451 38171 58241	AM/WinDRM	(AB-USA)
HM01	20-9	1600	11435	Wed	40236 03101 43643 06452 38172 58241 Files 22054023.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	21-9	0600	14375	Thu	40237 03101 43644 06453 38173 58242 Files 22054023.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	21-9	1556	11435	Thu	40237 03101 43644 06453 38173 58242	AM/WinDRM	(AB-USA)
HM01	22-9	0504	10860	Fri	67221 03102 43645 06454 38174 58243 Files 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	22-9	1558	11435	Fri	67221 03102 43645 06454 38174 58243	AM/WinDRM	(AB)
HM01	23-9	0600	14375	Sat	67221 03103 43646 06455 38175 58244 Files 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	24-9	0600	10860	Sun	Should be on 10345 kHz. 67222 03104 43647 06456 38176 58245 Files 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	24-9	1700	11530	Sun	67222 03104 43647 06456 38176 58245	AM/WinDRM	(AB-USA)
HM01	25-9	0600	10345	Mon	67223 03105 43648 06457 38177 58246 Files 26236722.TXT 03610310.TXT 07280645.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	26-9	0548	11462	Tue	i.p. 67223 03105 43648 06457 38177 58246 (repeat of 25 Sept.)	AM/WinDRM	(AB-ATN)
HM01	26-9	0552	14375	Tue	67223 03105 43648 06457 38177 58246 (repeat of 25 Sept.)	AM/WinDRM	(AB-ATN)
HM01	27-9	0500	10806	Wed	67224 03106 31381 00521 38178 58247 Files 26236722.TXT 03610310.TXT 51433138.TXT 11720052.TXT 50133817.F1C 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	27-9	1630	11435	Wed	67224 03106 31381 00521 38178 58247	AM/WinDRM	(AB-USA)
HM01	28-9	0600	10806	Thu	67225 03107 31381 00521 12671 58248 Files 26236722.TXT 03610310.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)

HM01	28-9	1600	11435	Thu	Carrier only till 1618z, then 0521 12 Off. Back at 1619z. Off at 1620z. Back at 1622z. 67225 03107 31381 00521 12671 58248	AM/WinDRM	(AB-USA)
HM01	29-9	0630	10806	Fri	67226 08481 31382 00522 12671 58249 Files 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	29-9	1558	11435	Fri	67226 08481 31382 00522 12671 58249	AM/WinDRM	(AB)
HM01	30-9	0600	14375	Sat	67227 08481 31383 00523 12672 58249 Files 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 36115824.F1G Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
M01	2-9	1500	6260	Sat	463 224 30 = 41090 42090 43090...	CW	(HFD)
M01	2-9	1500	6260	Sat	025 (R 30sec) 000 EEEEEEE 463 224 224 30 30 = = 41090 42090 43090 ... 68090 69090 60090 = = 224 224 30 30 000	CW	(SOB)
M01	3-9	0700	6510	Sun	463 891 891 30 30 = = 12090 13090 11090 ... 38090 39090 30090 = = 891 891 30 30 000	CW	(AB-FIN/SOB/HFD)
M01	5-9	1800	5475	Tue	463 127 127 30 30 81761 17625 10931 ... 39817 57878 19838 127 127 30 30 000	CW	(AB-FIN/HFD)
M01	5-9	2000	5020	Tue	463 542 542 30 30 75645 09187 (09167) 13245 ... 79069 44739 87165 542 542 30 30 000	CW	(AB/HFD)
M01	7-9	1800	5475	Thu	463 733 30 = 81808 ...	CW	(HFD)
M01	9-9	1500	6260	Sat	463 187 187 30 30 = = 54739 33890 11098 ... 11231 47673 76990 = = 187 187 30 30 000	CW	(SOB)
M01	10-9	0700	6510	Sun	463 = = 431 431 30 30 = = 43561 33019 11093 ...43721 11654 38917 = = 431 431 30 30 000	CW	(AB)
M01	12-9	1800	5475	Tue	463 802 802 30 30 = = 91121 92121 93121 ... 78121 79121 70121 = = 802 802 30 30 000	CW	(SOB)
M01	14-9	1800	5475	Thu	463 727 707 30 30 = = 00066 81050 82055 ... 73910 00223 66000 = = 727 727 30 30 0 0 0	CW	(AB-FIN/SOB)
M01	14-9	2000	5020	Thu	463 481 481 30 30 = = 00055 21861 40203 ... 92003 85619 55000 (555000) = = 481 481 30 30 0 0 0	CW	(AB-FIN/SOB)
M01	16-9	1500	6260	Sat	463 417 417 30 30 = = 54376 32167 89012 ... 89345 67234 90678 = = 417 417 30 30 000	CW	(AB-POL/SOB)
M01	17-9	0701	6510	Sun	463 709 709 30 30 23676 43890 12567 ... 90234 56765 78321 = = 709 709 30 30 000	CW	(AB/SOB)
M01	21-9	1800	5475	Thu	483 483 483 30 30 = = 43561 17615 19176 ... 09187 44838 90187 = = 483 483 30 30 000	CW	(AB)
M01	21-9	2000	5020	Thu	463 483 483 30 30 = = 43561 17615 09176 ... 09187 44838 90188 = = 483 483 30 30 000	CW	(AB-FIN)
M01	23-9	1500	6260	Sat	463 983 983 30 30 = = 41787 42787 43787 ... 68787 69787 60787 = = 983 983 30 30 000	CW	(AB-FIN/SOB)
M01	24-9	0700	6510	Sun	463 (R) 11780 12787 13787 ... 38787 39787 30787 = = 062 062 30 30 000	CW	(AB)
M01	26-9	1800	5475	Tue	463 337 337 30 30 = = 12312 45645 67867 ... 12312 67543 88664 = = 337 337 30 30 000	CW	(SOB)
M01	26-9	2000	5020	Tue	463 759 759 30 30 = = 13212 34215 67543 ... 90909 78675 12312 = = 759 759 30 30 000	CW	(SOB)
M01	28-9	1800	5475	Thu	463 784 784 30 30 = = 51787 52787 53787 ... 78787 79787 70787 = = 784 784 30 30 000	CW	(AB/SOB/Subilo)
M01	28-9	2000	5020	Thu	463 874 874 30 30 = = 81787 82787 83787 ... 08787 09787 00787 = = 874 874 30 30 000	CW	(AB/WN/SOB)
M01	30-9	1500	6260	Sat	463 190 190 30 30 = = 00054 91966 84829 ... 91068 81772 99000 = = 190 190 30 30 000	CW	(AB/SOB)
M12	1-9	0010	14942	Fri	991 991 991 1 ...	CW	(HFD-J)
M12	1-9	0030	6942	Fri	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB/HFD)
M12	1-9	0030	13942	Fri	991 991 991 1 ...	CW	(HFD-J)
M12	1-9	0050	8142	Fri	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB/HFD)
M12	1-9	0050	12142	Fri	991 991 991 1 ...	CW	(HFD)
M12	1-9	0110	9284	Fri	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB/HFD)
M12	1-9	1900	13367	Fri	315 315 315 1 6422 65 6422 65 75800 59281 68392 ... 66902 21704 08677 000 000	CW	(AB/RL/HFD)
M12	1-9	1920	12167	Fri	315 315 315 1 6422 65 6422 65 75800 59281 68392 ... 66902 21704 08677 000 000	CW	(AB/RL/HFD)
M12	1-9	1940	10567	Fri	315 315 315 1 6422 65 6422 65 75800 59281 68392 ... 66902 21704 08677 000 000	CW	(AB/RL/HFD)
M12	1-9	2100	7961	Fri	988 988 988 000	CW	(AB/RL)
M12	1-9	2120	6861	Fri	988 988 988 000	CW	(AB/RL)

M12	2-9	0600	10831	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/HFD/PY)
M12	2-9	0620	11531	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/HFD/PY)
M12	2-9	0640	13431	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/HFD/PY)
M12	2-9	1800	11435	Sat	938 1 3404 79 56156 90159 02384 ... 10224 34370 31723 000 000	CW	(MPJ)
M12	2-9	1820	10598	Sat	938 1 3404 79 56156 90159 02384 ... 10224 34370 31723 000 000	CW	(MPJ)
M12	2-9	1840	9327	Sat	938 1 3404 79 56156 90159 02384 ... 10224 34370 31723 000 000	CW	(MPJ)
M12	2-9	2100	7961	Sat	988 988 988 000	CW	(AB)
M12	2-9	2120	6861	Sat	988 988 988 000	CW	(AB)
M12	3-9	1600	14927	Sun	992 992 992 000	CW	(AB/SOB/MPJ)
M12	3-9	1620	13927	Sun	992 992 992 000	CW	(AB/MPJ)
M12	4-9	1600	19546	Mon	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB/HFD)
M12	4-9	1620	18446	Mon	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB/SOB/HFD)
M12	4-9	1640	16346	Mon	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB/SOB/HFD)
M12	4-9	2000	11109	Mon	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB/HFD)
M12	4-9	2020	10309	Mon	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB/SOB/HFD)
M12	4-9	2040	9209	Mon	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB/SOB/HFD)
M12	5-9	0030	6942	Tue	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB/SOB)
M12	5-9	0050	8142	Tue	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB/SOB)
M12	5-9	0110	9284	Tue	912 912 912 1 5301 114 5301 114 56359 66021 16677 ... 88658 00959 18719 000 000	CW	(AB)
M12	5-9	0320	15937	Tue	495 495 495 1 325 134 325 134 74204 5443	CW	(PY)
M12	5-9	0340	14537	Tue	495 495 495 1 325 134 325 134 74204 5443	CW	(PY)
M12	6-9	0030	13367	Wed	315 315 315 000	CW	(RL)
M12	6-9	0030	13367	Wed	315 315 315 000	CW	(RL)
M12	6-9	0050	12167	Wed	315 315 315 000	CW	(RL)
M12	6-9	0050	12167	Wed	315 315 315 000	CW	(RL)
M12	6-9	0600	10831	Wed	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	6-9	0620	11531	Wed	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	6-9	0640	13431	Wed	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	6-9	1600	14927	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(MPJ/SOB/HFD)
M12	6-9	1620	13927	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(MPJ/SOB/HFD)
M12	6-9	1640	12227	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(MPJ/SOB/HFD)
M12	6-9	1900	13367	Wed	315 315 315 000	CW	(AB/SOB)
M12	6-9	1920	12167	Wed	315 315 315 000	CW	(AB/SOB)
M12	7-9	0300	17437	Thu	495 495 495 1 ...	CW	(HFD-RUS)
M12	7-9	0320	15937	Thu	495 495 495 1 ...	CW	(HFD-RUS)
M12	7-9	0340	14537	Thu	495 495 495 1 ...	CW	(HFD-RUS)
M12	7-9	1110	13386	Thu	725 725 725 1 7631 94 7631 94 43627 68723 63541 ... 60470 05637 89589 000 000	CW	(AB)
M12	7-9	1130	12189	Thu	725 725 725 1 7631 94 7631 94 43627 68723 63541 ... 60470 05637 89589 000 000	CW	(AB)
M12	7-9	1150	11491	Thu	725 725 725 1 7631 94 7631 94 43627 68723 63541 ... 60470 05637 89589 000 000	CW	(AB)
M12	7-9	1600	19546	Thu	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB)
M12	7-9	1620	18446	Thu	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB)
M12	7-9	1640	16346	Thu	543 543 543 1 2013 93 2013 93 20516 65739 60640 ... 41952 30959 07127 000 000	CW	(AB)

M12	7-9	2000	11109	Thu	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB)
M12	7-9	2020	10309	Thu	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB)
M12	7-9	2040	9209	Thu	385 385 385 1 7170 135 7170 135 11728 77745 12801 ... 59116 71214 56649 000 000	CW	(AB)
M12	8-9	1900	13367	Fri	315 315 315 000	CW	(AB/SOB)
M12	8-9	1920	12167	Fri	315 315 315 000	CW	(AB/SOB)
M12	8-9	2100	7961	Fri	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB/SOB/HFD)
M12	8-9	2120	6861	Fri	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB/SOB/HFD)
M12	8-9	2140	5861	Fri	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB/SOB/HFD)
M12	9-9	0600	10831	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	9-9	0620	11531	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	9-9	0640	13431	Sat	854 854 854 1 594 111 594 111 25586 61497 28443 ... 10204 28412 56320 000 000	CW	(AB/SOB)
M12	9-9	1800	11435	Sat	938 938 938 1 4777 72 4777 72 86480 39916 39432 ... 27622 04224 95766 000 000	CW	(AB)
M12	9-9	1820	10598	Sat	938 938 938 1 4777 72 4777 72 86480 39916 39432 ... 27622 04224 95766 000 000	CW	(AB)
M12	9-9	1840	9327	Sat	938 938 938 1 4777 72 4777 72 86480 39916 39432 ... 27622 04224 95766 000 000	CW	(AB)
M12	9-9	2100	7961	Sat	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB)
M12	9-9	2120	6861	Sat	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB)
M12	9-9	2140	5861	Sat	988 988 988 1 1150 120 1150 120 87909 75353 98569 ... 59079 98746 34696 000 000	CW	(AB)
M12	10-9	1600	14927	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ/SOB)
M12	10-9	1620	13927	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ/SOB)
M12	10-9	1640	12227	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ/SOB)
M12	11-9	1600	19546	Mon	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	11-9	1620	18446	Mon	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	11-9	1640	16346	Mon	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	11-9	2000	11109	Mon	385 385 385 000	CW	(AB/SOB)
M12	11-9	2020	10309	Mon	385 385 385 000	CW	(AB/SOB)
M12	12-9	0030	6942	Tue	912 912 912 000	CW	(SOB)
M12	12-9	0050	8142	Tue	912 912 912 000	CW	(SOB)
M12	13-9	0600	10831	Wed	854 854 854 000	CW	(SOB)
M12	13-9	0620	11531	Wed	854 854 854 000	CW	(SOB)
M12	13-9	1600	14927	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/SOB)
M12	13-9	1620	13927	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/SOB)
M12	13-9	1640	12227	Wed	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/SOB)
M12	13-9	1900	13367	Wed	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)
M12	13-9	1920	12167	Wed	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)
M12	13-9	1940	10567	Wed	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)
M12	14-9	1600	19546	Thu	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	14-9	1620	18446	Thu	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	14-9	1640	16346	Thu	543 543 543 1 585 77 585 77 50761 04274 78320 ...77378 21724 53012 000 000	CW	(AB/SOB)
M12	14-9	2000	11109	Thu	385 385 385 000	CW	(AB)
M12	14-9	2020	10309	Thu	385 385 385 000	CW	(AB/SOB)
M12	15-9	1900	13367	Fri	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)
M12	15-9	1920	12167	Fri	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)

M12	15-9	1940	10567	Fri	315 315 315 1 2029 87 2029 87 97805 72336 10983 ... 48453 84275 16231 000 000	CW	(AB/SOB)
M12	15-9	2100	7961	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M12	15-9	2120	6861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	15-9	2140	5861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	16-9	0600	10831	Sat	854 854 854 000	CW	(AB/SOB)
M12	16-9	0620	11531	Sat	854 854 854 000	CW	(AB/SOB)
M12	16-9	1800	11435	Sat	938 938 938 1 5264 71 5264 71 39682 63044 80949 ... 30362 68683 99794 000 000	CW	(AB/SOB)
M12	16-9	1820	10598	Sat	938 938 938 1 5264 71 5264 71 39682 63044 80949 ... 30362 68683 99794 000 000	CW	(AB/SOB/HFD)
M12	16-9	1840	9327	Sat	938 938 938 1 5264 71 5264 71 39682 63044 80949 ... 30362 68683 99794 000 000	CW	(AB/SOB/HFD)
M12	16-9	2100	7961	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB/HFD)
M12	16-9	2120	6861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	16-9	2140	5861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	17-9	1600	14927	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ)
M12	17-9	1620	13927	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ)
M12	17-9	1640	12227	Sun	992 992 992 1 611 159 611 159 44541 29890 63934 ... 11515 58769 89926 000 000	CW	(AB/MPJ)
M12	18-9	1600	19546	Mon	543 543 543 000	CW	(AB)
M12	18-9	1620	18446	Mon	543 543 543 000	CW	(AB)
M12	18-9	2000	11109	Mon	385 385 385 1 577 83 577 83 38409 96766 50260 ... 19888 45098 96132 000 000	CW	(AB)
M12	18-9	2020	10309	Mon	385 385 385 1 577 83 577 83 38409 96766 50260 ... 19888 45098 96132 000 000	CW	(AB)
M12	18-9	2040	9209	Mon	385 385 385 1 577 83 577 83 38409 96766 50260 ... 19888 45098 96132 000 000	CW	(AB)
M12	19-9	0030	6942	Tue	912 912 912 000	CW	(AB)
M12	19-9	0050	8142	Tue	912 912 912 000	CW	(AB)
M12	20-9	0600	10831	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	20-9	0620	11531	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	20-9	0640	13431	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	20-9	1600	14927	Wed	992 992 992 000	CW	(AB)
M12	20-9	1620	13927	Wed	992 992 992 000	CW	(AB)
M12	20-9	1900	13367	Wed	315 315 315 000	CW	(AB)
M12	20-9	1920	12167	Wed	315 315 315 000	CW	(AB)
M12	21-9	1110	13386	Thu	725 725 725 1 2458 90 2458 90 18305 63962 13021 ... 82914 36607 27446 000 000	CW	(AB)
M12	21-9	1130	12189	Thu	725 725 725 1 2458 90 2458 90 18305 63962 13021 ... 82914 36607 27446 000 000	CW	(AB)
M12	21-9	1150	11491	Thu	725 725 725 1 2458 90 2458 90 18305 63962 13021 ... 82914 36607 27446 000 000	CW	(AB)
M12	21-9	1600	19546	Thu	543 543 543 000	CW	(AB)
M12	21-9	1620	18446	Thu	543 543 543 000	CW	(AB)
M12	21-9	2000	11109	Thu	385 385 385 1 577 83 577 83 35409 96766 50260 ... 19688 45098 96132 000 000	CW	(AB)
M12	21-9	2020	10309	Thu	385 385 385 1 577 83 577 83 35409 96766 50260 ... 19688 45098 96132 000 000	CW	(AB)
M12	21-9	2040	9209	Thu	385 385 385 1 577 83 577 83 35409 96766 50260 ... 19688 45098 96132 000 000	CW	(AB)
M12	22-9	0030	6942	Fri	912 912 912 000	CW	(AB)
M12	22-9	0050	8142	Fri	912 912 912 000	CW	(AB)
M12	22-9	1900	13367	Fri	315 315 315 000	CW	(AB)
M12	22-9	1920	12167	Fri	315 315 315 000	CW	(AB)
M12	22-9	2100	7961	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)



M12	22-9	2120	6861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M12	22-9	2140	5861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M12	23-9	0600	10831	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	23-9	0620	11531	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	23-9	0640	13431	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB)
M12	23-9	1800	11435	Sat	938 938 938 1 1773 74 1773 74 04501 47863 91119 ... 73281 31557 30879 000 000	CW	(AB)
M12	23-9	1820	10598	Sat	938 938 938 1 1773 74 1773 74 04501 47863 91119 ... 73281 31557 30879 000 000	CW	(AB)
M12	23-9	1840	9327	Sat	938 938 938 1 1773 74 1773 74 04501 47863 91119 ... 73281 31557 30879 000 000	CW	(AB)
M12	23-9	2100	7961	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	23-9	2120	6861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	23-9	2140	5861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	24-9	1600	14927	Sun	992 992 992 000	CW	(AB/SOB)
M12	24-9	1620	13927	Sun	992 992 992 000	CW	(AB/SOB)
M12	25-9	1600	19546	Mon	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	25-9	1620	18446	Mon	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	25-9	1640	16346	Mon	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	25-9	2000	11109	Mon	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB/SOB)
M12	25-9	2020	10309	Mon	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB/SOB)
M12	25-9	2040	9209	Mon	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB/SOB)
M12	26-9	0030	6942	Tue	912 912 912 1 message (too weak to copy)	CW	(AB)
M12	26-9	0050	8142	Tue	912 912 912 1 message (too weak to copy)	CW	(AB)
M12	26-9	0110	9284	Tue	912 912 912 1 message (too weak to copy)	CW	(AB)
M12	27-9	0600	10831	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	27-9	0620	11531	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	27-9	0640	13431	Wed	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	27-9	1600	14927	Wed	992 992 992 000	CW	(AB/SOB)
M12	27-9	1620	13927	Wed	992 992 992 000	CW	(AB/SOB)
M12	27-9	1900	13367	Wed	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB)
M12	27-9	1920	12167	Wed	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB)
M12	27-9	1940	10567	Wed	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB)
M12	28-9	1110	13386	Thu	725 725 725 1 9740 93 9740 93 69360 73991 16724 ... 37707 73116 33310 000 000	CW	(AB/SOB)
M12	28-9	1130	12189	Thu	725 725 725 1 9740 93 9740 93 69360 73991 16724 ... 37707 73116 33310 000 000	CW	(AB/SOB)
M12	28-9	1150	11491	Thu	725 725 725 1 9740 93 9740 93 69360 73991 16724 ... 37707 73116 33310 000 000	CW	(AB/SOB)
M12	28-9	1600	19546	Thu	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	28-9	1620	18446	Thu	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	28-9	1640	16346	Thu	543 543 543 1 241 91 241 91 88895 57120 76513 ... 36321 16124 57780 000 000	CW	(AB/SOB)
M12	28-9	2000	11109	Thu	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB)
M12	28-9	2020	10309	Thu	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB/SOB)
M12	28-9	2040	9209	Thu	385 385 385 1 8784 119 8784 119 90279 00972 16438 ... 52689 43699 27690 000 000	CW	(AB/SOB)
M12	29-9	0030	6942	Fri	912 912 912 1 message (too weak to copy)	CW	(AB)
M12	29-9	0050	8142	Fri	912 912 912 1 message (too weak to copy)	CW	(AB)
M12	29-9	0110	9284	Fri	912 912 912 1 message (too weak to copy)	CW	(AB)

M12	29-9	1900	13367	Fri	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB/SOB)
M12	29-9	1920	12167	Fri	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB/SOB)
M12	29-9	1940	10567	Fri	315 315 315 1 644 75 644 75 37102 70884 59547 ... 07277 64718 59092 000 000	CW	(AB/SOB)
M12	29-9	2100	7961	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/RL/SOB)
M12	29-9	2120	6861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	29-9	2140	5861	Fri	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB/SOB)
M12	30-9	0600	10831	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	30-9	0620	11531	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	30-9	0640	13431	Sat	854 854 854 1 207 190 207 190 47922 37295 92909 ... 86386 23874 61528 000 000	CW	(AB/SOB)
M12	30-9	1800	11435	Sat	938 938 938 1 4139 72 4139 72 29164 80178 35716 ... 37333 72350 74651 000 000	CW	(AB/MPJ)
M12	30-9	1820	10598	Sat	938 938 938 1 4139 72 4139 72 29164 80178 35716 ... 37333 72350 74651 000 000	CW	(AB/MPJ)
M12	30-9	1840	9327	Sat	938 938 938 1 4139 72 4139 72 29164 80178 35716 ... 37333 72350 74651 000 000	CW	(AB)
M12	30-9	2100	7961	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M12	30-9	2120	6861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M12	30-9	2140	5861	Sat	988 988 988 1 3936 140 3936 140 39782 70097 13063 ... 55380 67256 96430 000 000	CW	(AB)
M14	1-9	0500	12211	Fri	952 816 816 57 57 == 24853 85017 26152 ... 07532 28726 40854 == 816 816 57 57 00000	CW	(AB-J/HFD-J)
M14	1-9	0520	10243	Fri	952 816 816 57 57 == 24853 85017 26152 ... 07532 28726 40854 == 816 816 57 57 00000	CW	(AB-J/HFD-J)
M14	4-9	0500	12211	Mon	952 387 387 64 64 == 85948 85948 85991 ... 44754 12296 41215 == 387 387 64 64 00000. Break during the message	CW	(AB-J)
M14	4-9	0520	10243	Mon	952 387 387 64 64 == 85948 85948 85991 ... 44754 12296 41215 == 387 387 64 64 00000	CW	(AB-J)
M14	5-9	0500	12211	Tue	952 (R4) Problems after 4 min. Off	CW	(AB-J)
M14	5-9	0520	10243	Tue	952 641 641 59 59 == 70744 48662 09739 ... 71960 61231 2943 == 641 641 59 59 (no closing nulls)	CW	(AB-J)
M14	6-9	0501	12211	Wed	952 (R) Off after 4 mins. Back at 0507z. 952 378 378 52 52 == 67191 38721 08518 ... 36894 17840 90077 == 378 378 52 52 00000	CW	(AB-J)
M14	6-9	0520	10243	Wed	952 378 378 52 52 == 67191 38721 08518 ... 36894 17840 90077 == 378 378 52 52 00000	CW	(AB-J)
M14	6-9	1950	11073	Wed	352 489 489 60 60 == 91807 98910 66747 ... 66637 42006 43479 489 489 60 60 == 00000 outro separator in the wrong place	ICW	(PY)
M14	6-9	1950	11073	Wed	Two series of fast beeps	ICW	(PY)
M14	7-9	0500	12211	Thu	952 614 614 58 58 == 34732 28817 22113 ... 13085 26269 09181 == 614 614 58 58 00000	CW	(AB-J)
M14	7-9	0523	10243	Thu	952 614 614 58 58 == 34732 28817 22113 ... 13085 26269 09181 == 614 614 58 58 00000	CW	(AB-J)
M14	8-9	0500	12211	Fri	952 837 837 59 59 == 60844 45372 87796 ... 73350 45078 95834 == 837 837 59 59 00000	CW	(AB-J)
M14	8-9	0520	10243	Fri	952 837 837 59 59 == 60844 45372 87796 ... 73350 45078 95834 == 837 837 59 59 00000	CW	(AB-J)
M14	11-9	0500	12211	Mon	952 164 164 52 52 == 14516 19326 25728 ... 20296 86593 96686 == 164 164 52 52 00000	CW	(AB/Subilo)
M14	11-9	0500	12211	Mon	952 164 164 52 52 == 14516 19326 25728 ... 20296 86593 96686 == 164 164 52 52 00000	CW	(AB/Subilo)
M14	11-9	0520	10243	Mon	952 164 164 52 52 == 14516 19326 25728 ... 20296 86593 96686 == 164 164 52 52 00000	CW	(AB/Subilo)
M14	11-9	0520	10243	Mon	952 164 164 52 52 == 14516 19326 25728 ... 20296 86593 96686 == 164 164 52 52 00000	CW	(AB/Subilo)
M14	12-9	0500	12211	Tue	952 873 873 56 56 == 03951 41866 52406 ... 00159 00530 45891 == 873 873 56 56 00000	CW	(AB/Subilo)
M14	12-9	0500	12211	Tue	952 873 873 56 56 == 03951 41866 52406 ... 00159 00530 45891 == 873 873 56 56 00000	CW	(AB/Subilo)
M14	12-9	0520	10243	Tue	952 873 873 56 56 == 03951 41866 52406 ... 00159 00530 45891 == 873 873 56 56 00000	CW	(AB/Subilo)
M14	12-9	0520	10243	Tue	952 873 873 56 56 == 03951 41866 52406 ... 00159 00530 45891 == 873 873 56 56 00000	CW	(AB/Subilo)
M14	13-9	0500	12211	Wed	952 616 616 52 52 == 89262 67664 80133 ... 13314 14192 86351 == 616 616 52 52 00000	CW	(AB/Subilo)

<b>M14</b>	13-9	0500	12211	Wed	952 616 616 52 52 == 89262 67664 80133 ... 13314 14192 86351 == 616 616 52 52 00000	CW	(AB/Subilo/HFD-USA)
<b>M14</b>	13-9	0520	10243	Wed	952 616 616 52 52 == 89262 67664 80133 ... 13314 14192 86351 == 616 616 52 52 00000	CW	(AB/Subilo)
<b>M14</b>	13-9	0520	10243	Wed	952 616 616 52 52 == 89262 67664 80133 ... 13314 14192 86351 == 616 616 52 52 00000	CW	(AB/Subilo/HFD-USA)
<b>M14</b>	14-9	0500	12211	Thu	Carrier only	CW	(AB/Subilo)
<b>M14</b>	14-9	0500	12211	Thu	Carrier only	CW	(AB/Subilo)
<b>M14</b>	14-9	0520	10243	Thu	952 834 834 65 65 == 40591 76259 71223 ... 98508 35342 77437 == 834 834 65 65 00000	CW	(AB/Subilo)
<b>M14</b>	14-9	0520	10243	Thu	952 834 834 65 65 == 40591 76259 71223 ... 98508 35342 77437 == 834 834 65 65 00000	CW	(AB/Subilo)
<b>M14</b>	15-9	0500	12211	Fri	952 716 716 53 53 == 58844 87758 22436 ... 44162 99836 84759 == 716 716 53 53 00000	CW	(AB/Subilo)
<b>M14</b>	15-9	0500	12211	Fri	952 716 716 53 53 == 58844 87758 22436 ... 44162 99836 84759 == 716 716 53 53 00000	CW	(AB/Subilo)
<b>M14</b>	15-9	0520	10243	Fri	952 716 716 53 53 == 58844 87758 22436 ... Off in group 35	CW	(AB/Subilo)
<b>M14</b>	15-9	0520	10243	Fri	952 716 716 53 53 == 58844 87758 22436 ... Off in group 35	CW	(AB/Subilo)
<b>M14</b>	16-9	1224	11073	Sat	Fast beeps	ICW	(PY)
<b>M14</b>	16-9	1225	11073	Sat	352 (R4m) 741 741 32 32 == 82793 23342 79783 ... 17473 81160 20420 == 741 741 32 32 00000	ICW	(PY)
<b>M14</b>	22-9	0500	12211	Fri	952 438 438 51 51 == 07847 02533 35433 ... 78678 13829 96731 == 438 438 51 51 00000	CW	(AB-J)
<b>M14</b>	22-9	0520	10243	Fri	952 438 438 51 51 == 07847 02533 35433 ... 78678 13829 96731 == 438 438 51 51 00000	CW	(AB-J)
<b>M14</b>	23-9	1146	11073	Sat	Fast beeps then carrier for a few seconds	ICW	(PY)
<b>M14</b>	23-9	1200	11073	Sat	352 (R4m) 614 37 = 53485 ... 51492 = 614 37 00000	ICW	(PY)
<b>M14</b>	25-9	0500	12211	Mon	952 761 761 58 58 == 41575 17279 02275 ... 35113 16150 38260 == 761 761 58 58 00000	CW	(AB-J)
<b>M14</b>	25-9	0520	10243	Mon	952 761 761 58 58 == 41575 17279 02275 ... 35113 16150 38260 == 761 761 58 58 00000	CW	(AB-J)
<b>M14</b>	26-9	0500	12211	Tue	952 847 847 56 56 == 68769 86689 61940 ... 58283 47609 79797 == 847 847 56 56 00000	CW	(AB-J)
<b>M14</b>	26-9	0520	10243	Tue	952 847 847 56 56 == 68769 86689 61940 ... 58283 47609 79797 == 847 847 56 56 00000 In-verted morse. Back to normal at 0525z.	CW	(AB-J)
<b>M14</b>	27-9	0500	12211	Wed	Not heard	CW	(AB/Subilo)
<b>M14</b>	27-9	0500	12211	Wed	Not heard	CW	(AB/Subilo)
<b>M14</b>	27-9	0520	10243	Wed	952 631 631 54 54 == 68426 25102 04521 ... 00535 62292 51047 == 631 631 54 54 00000	CW	(AB/Subilo)
<b>M14</b>	27-9	0520	10243	Wed	952 631 631 54 54 == 68426 25102 04521 ... 00535 62292 51047 == 631 631 54 54 00000	CW	(AB/Subilo)
<b>M14</b>	28-9	0500	12211	Thu	952 404 404 52 52 == 67140 45018 78006 ... 28581 95022 30241 == 404 404 52 52 00000 In-verted morse. Normal at 0502z.	CW	(AB)
<b>M14</b>	28-9	0520	10243	Thu	952 404 404 52 52 == 67140 45018 78006 ... 28581 95022 30241 == 404 404 52 52 00000	CW	(AB)
<b>M14</b>	29-9	0500	12211	Fri	952 867 867 51 51 == 41706 13341 10545 ... 03589 54598 98327 == 867 867 51 51 00000	CW	(AB-J)
<b>M14</b>	29-9	0520	10243	Fri	952 867 867 51 51 == 41706 13341 10545 ... 03589 54598 98327 == 867 867 51 51 00000 Off for 9 secs during group 13.	CW	(AB-J)
<b>M14</b>	30-9	1215	11073	Sat	352 789 33 789 33 == 27305 57761 01125	ICW	(PY)
<b>M21</b>	13-9	1323	6911.5	Wed	=991623??8???? =16333310349523 =11467831201323 =11468831756223 =991624??8???? =16333310344824	CW	(SOB)
<b>M22</b>	10-9	2330	6607	Sun	VVV DE 4XZ 4XZ == AR AR PW7C 762 TO NR 172 QQL == JX5L NR 672 DQ GR91 = JX5L NR 572 DQ GR81 == JX5L NR 472 DQ GR71 == etc	CW	(R2GBA)
<b>M23</b>	1-9	0155	5345	Fri	MY	CW	(AB)
<b>M23</b>	1-9	0156	5345	Fri	ST3 (R20m)	CW	(AB)
<b>M23</b>	1-9	0256	5345	Fri	Time beep	CW	(AB)
<b>M23</b>	1-9	0356	5345	Fri	Time beep	CW	(AB)

M23	1-9	0456	5345	Fri	Time beep	CW	(AB)
M23	1-9	0556	10381	Fri	ST3 (R20m)	CW	(AB)
M23	1-9	0956	20456	Fri	ST3 (R20m)	CW	(AB-F)
M23	1-9	1357	11530	Fri	OSS (R20m)	CW	(AB)
M23	1-9	1756	6937	Fri	S1S (R15m)	CW	(AB)
M23	1-9	1956	4822	Fri	S1S (R15m)	CW	(AB)
M23	2-9	0556	10381	Sat	ST3 (R20m)	CW	(AB)
M23	2-9	0956	20456	Sat	ST3 (R20m)	CW	(AB-F)
M23	2-9	1357	11530	Sat	OSS (R20m)	CW	(AB)
M23	2-9	1756	6937	Sat	S1S (R15m)	CW	(AB/MPJ)
M23	2-9	1956	4822	Sat	S1S (R15m)	CW	(AB)
M23	3-9	0556	10381	Sun	ST3 (R20m)	CW	(AB)
M23	3-9	0956	20456	Sun	ST3 (R20m)	CW	(AB-F)
M23	3-9	1357	11530	Sun	OSS (R20m)	CW	(AB/MPJ)
M23	3-9	1956	4822	Sun	S1S (R15m)	CW	(AB)
M23	4-9	0156	5345	Mon	ST3 (R20m) (mix with MY)	CW	(AB)
M23	4-9	0156	5345	Mon	MY (mix with ST3)	CW	(AB)
M23	4-9	0256	5345	Mon	Time beep	CW	(AB)
M23	4-9	0356	5345	Mon	Time beep	CW	(AB)
M23	4-9	0456	5345	Mon	Time beep	CW	(AB)
M23	4-9	0556	10381	Mon	ST3 (R20m)	CW	(AB)
M23	4-9	0956	20456	Mon	ST3 (R20m)	CW	(AB-KWT)
M23	4-9	1356	11530	Mon	OSS (R20m)	CW	(AB)
M23	4-9	1756	6937	Mon	S1S (R15m)	CW	(AB)
M23	4-9	1956	4822	Mon	S1S (R15m)	CW	(AB)
M23	5-9	0145	5345	Tue	MY	CW	(AB)
M23	5-9	0157	5345	Tue	ST3 (R20m)	CW	(AB)
M23	5-9	0257	5345	Tue	Time beep	CW	(AB)
M23	5-9	0357	5345	Tue	Time beep	CW	(AB)
M23	5-9	0457	5345	Tue	Time beep	CW	(AB)
M23	5-9	0556	10381	Tue	ST3 (R20m)	CW	(AB)
M23	5-9	0957	20456	Tue	ST3 (R20m)	CW	(AB-KWT)
M23	5-9	1356	11530	Tue	OSS (R20m)	CW	(AB)
M23	5-9	1757	6937	Tue	S1S (R15m)	CW	(AB)
M23	5-9	1957	4822	Tue	S1S (R15m)	CW	(AB)
M23	6-9	0557	10381	Wed	ST3 (R20m)	CW	(AB)
M23	6-9	1757	6937	Wed	S1S (R15m)	CW	(MPJ)
M23	6-9	1957	4822	Wed	S1S (R15m)	CW	(AB)
M23	7-9	0156	5345	Thu	MY (36 sec before ST3)	CW	(AB)
M23	7-9	0157	5345	Thu	ST3 (R20m)	CW	(AB)
M23	7-9	0257	5345	Thu	Time beep	CW	(AB)
M23	7-9	0357	5345	Thu	Time beep	CW	(AB)

M23	7-9	0457	5345	Thu	Time beep mixing with MY	CW	(AB)
M23	7-9	0457	5345	Thu	MY mixing with the time beep	CW	(AB)
M23	7-9	1357	11530	Thu	OSS (R20m)	CW	(AB)
M23	7-9	1757	6937	Thu	S1S (R15m)	CW	(MPJ)
M23	7-9	1957	4822	Thu	S1S (R15m)	CW	(AB)
M23	8-9	0145	5345	Fri	MY	CW	(AB)
M23	8-9	0156	5345	Fri	ST3 (R20m)	CW	(AB)
M23	8-9	0256	5345	Fri	Time beep	CW	(AB)
M23	8-9	0356	5345	Fri	Time beep	CW	(AB)
M23	8-9	0456	5345	Fri	Time beep	CW	(AB)
M23	8-9	0556	10381	Fri	ST3 (R20m)	CW	(AB)
M23	8-9	1357	11530	Fri	OSS (R20m)	CW	(MPJ-AUT)
M23	8-9	1757	6937	Fri	S1S (R15m)	CW	(MPJ)
M23	8-9	1957	4822	Fri	S1S (R15m)	CW	(AB)
M23	9-9	1756	6937	Sat	S1S (R15m)	CW	(AB)
M23	9-9	1957	4822	Sat	S1S (R15m)	CW	(AB)
M23	10-9	1357	11530	Sun	OSS (R20m)	CW	(MPJ)
M23	10-9	1756	6937	Sun	S1S (R15m)	CW	(AB)
M23	10-9	1956	4822	Sun	S1S (R15m)	CW	(AB)
M23	11-9	0556	10381	Mon	ST3 (R20m)	CW	(AB)
M23	11-9	1757	6937	Mon	S1S (R15m)	CW	(AB)
M23	11-9	1957	4822	Mon	S1S (R15m)	CW	(AB)
M23	12-9	0157	5345	Tue	ST3 (R20m)	CW	(AB)
M23	12-9	0556	10381	Tue	ST3 (R20m)	CW	(AB)
M23	12-9	1756	6937	Tue	S1S (R15m)	CW	(AB)
M23	13-9	1756	6937	Wed	S1S (R15m)	CW	(AB)
M23	13-9	1957	4822	Wed	S1S (R15m)	CW	(AB)
M23	14-9	1757	6937	Thu	S1S (R15m)	CW	(AB)
M23	14-9	1957	4822	Thu	S1S (R15m)	CW	(AB)
M23	15-9	1756	6937	Fri	S1S (R15m)	CW	(AB)
M23	15-9	1956	4822	Fri	S1S (R15m)	CW	(AB)
M23	16-9	0556	10381	Sat	ST3 (R20m)	CW	(AB)
M23	16-9	1357	11530	Sat	OSS (R20m)	CW	(AB)
M23	16-9	1755	6937	Sat	S1S (R15m)	CW	(AB/MPJ)
M23	16-9	1955	4822	Sat	S1S (R15m)	CW	(AB)
M23	17-9	0155	5345	Sun	ST3 (R20m)	CW	(AB)
M23	17-9	0556	10381	Sun	ST3 (R20m)	CW	(AB)
M23	17-9	1357	11530	Sun	OSS (R20m)	CW	(MPJ-D)
M23	17-9	1755	6937	Sun	S1S (R15m)	CW	(AB)
M23	17-9	1956	4822	Sun	S1S (R15m)	CW	(AB)
M23	18-9	0155	5345	Mon	ST3 (R20m)	CW	(AB)
M23	18-9	0255	5345	Mon	Time beep	CW	(AB)

M23	18-9	0355	5345	Mon	Time beep not heard	CW	(AB)
M23	18-9	0455	5345	Mon	Time beep	CW	(AB)
M23	18-9	0555	10381	Mon	ST3 (R20m)	CW	(AB)
M32	14-9	0700	8162	Thu	Russian Air Force. W-marker (R2)	CW	(SOB)
M32	26-9	0428	18.1	Tue	UUU RDL RDL RDL 82668 48497 82668 48497 82668 48497 K	CW	(SOB)
M32	28-9	1335	19256	Thu	XXX XXX RDL RDL 76561 68158 MILLIONERZA 0970 9594 K	FSK CW	(AB)
M32	28-9	1336	19256	Thu	UUUUU XXX XXX XHOP XHOP 94923 43628 PLAWLENIE 1589 2265 K	FSK CW	(AB)
M42	5-9	1135	17421	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	5-9	1136	16169	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	5-9	1136	16169	Tue	Russian diplo	Serdolik v2	(RO)
M42	5-9	1136	17421	Tue	Russian diplo	Serdolik v2	(RO)
M42	5-9	1138	17419	Tue	Russian diplo	Serdolik v2	(AB)
M42	5-9	1139	17419	Tue	Russian diplo	Serdolik v2	(RO)
M42	5-9	1156	17419	Tue	Russian diplo	Serdolik v2	(AB)
M42	5-9	1157	17419	Tue	Russian diplo	Serdolik v2	(RO)
M42	6-9	0828	15961	Wed	Russian diplo	MFSK-66	(Anon)
M42	7-9	0915	18196	Thu	Russian diplo	MFSK-66	(RO)
M42	7-9	0917	18196	Thu	Russian diplo. Pulses	OFDM-121	(RO)
M42	7-9	0921	17450	Thu	Russian diplo	MFSK-66	(RO)
M42	7-9	0941	18197	Thu	Russian diplo	MFSK-66	(Anon)
M42	7-9	0942	19183	Thu	Russian diplo	MFSK-66	(RO)
M42	7-9	1304	16313	Thu	Russian diplo. Two tone/symbol variant	Serdolik v2	(RO)
M42	7-9	1309	18230	Thu	Russian diplo	Serdolik v2	(RO)
M42	7-9	1316	16313	Thu	Russian diplo	Serdolik v2	(RO)
M42	10-9	1031	12114	Sun	Russian diplo	Serdolik v2	(RO)
M42	10-9	1102	12096	Sun	Russian diplo	Serdolik v2	(RO)
M42	10-9	1136	12096	Sun	Russian diplo	Serdolik v2	(RO)
M42	11-9	0818	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	11-9	0818	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	11-9	0948	19273	Mon	Russian diplo	Serdolik v2	(RO)
M42	11-9	0948	19273	Mon	Russian diplo	Serdolik v2	(RO)
M42	12-9	1004	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	12-9	1004	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	13-9	0813	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	13-9	0813	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	19-9	0805	12153	Tue	Russian diplo	MFSK-66	(RO)
M42	20-9	1245	17443	Wed	Russian diplo	Serdolik v2	(RO)
M42	20-9	1255	17440	Wed	Russian diplo	Serdolik v2	(RO)
M42	21-9	0916	17450	Thu	Russian diplo	MFSK-66	(RO)
M42	24-9	1027	12096	Sun	Russian diplo	Serdolik v2	(RO)
M42	24-9	1035	13895	Sun	Russian diplo	Serdolik v2	(RO)
M42	25-9	0938	19273	Mon	Russian diplo	Serdolik v2	(RO)

M42	26-9	0811	11071	Tue	Russian diplo	Serdolik v2	(RO)
M42	26-9	0813	14830	Tue	Russian diplo	Serdolik v2	(RO)
M42	26-9	0955	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	28-9	0709	12150	Thu	Russian diplo	MFSK-66	(RO)
M42	28-9	0714	13420	Thu	Russian diplo	Serdolik v2	(RO)
M42	28-9	0755	14457	Thu	Russian diplo	MFSK-66	(RO)
M42	28-9	0802	11088	Thu	Russian diplo	MFSK-66	(RO)
M42	28-9	0803	13420	Thu	Russian diplo	Serdolik v2	(RO)
M42	28-9	1149	16315	Thu	Russian diplo	Serdolik v2	(RO)
M89	1-9	1445	3565	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	1-9	1445	4718	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	1-9	1451	5549	Fri	i.p. RMKS 4170 TO 4219 4221 4292 4295 = 7UN4 NA53 ...	CW	(JPL)
M89	11-9	2320	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	11-9	2320	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	29-9	1348	3565	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	29-9	1348	4718	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M95	1-9	1448	4178	Fri	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	1-9	1448	7517	Fri	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	3-9	1258	4178	Sun	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	3-9	1258	7517	Sun	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	29-9	1333	4178	Fri	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	29-9	1333	7517	Fri	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
MX	11-9	0413	5156.7	Mon	Beacon L, St Petersburg	CW	(ChPa)
MX	14-9	0416	5156.7	Thu	Beacon L, St Petersburg	CW	(ChPa)
MX	16-9	0433	5156.7	Sat	Beacon L, St Petersburg	CW	(ChPa)
MX	21-9	0452	5156.7	Thu	Beacon L, St Petersburg	CW	(ChPa)
P03	3-9	1245	6807	Sun	Polish intel.	PSK	(AB)
P03	3-9	1250	6807	Sun	Polish intel.	PSK	(AB)
P03	6-9	0615	15690	Wed	Polish intel.	PSK	(AB-POL)
P03	6-9	0620	15690	Wed	Polish intel.	PSK	(AB-POL)
P03	7-9	0615	11493	Thu	Polish intel.	PSK	(AB)
P03	7-9	0620	11493	Thu	Polish intel.	PSK	(AB)
P03	7-9	0720	11493	Thu	Polish intel.	PSK	(AB)
P03	7-9	0725	11493	Thu	Polish intel.	PSK	(AB)
P03	10-9	1245	6807	Sun	Polish Intel.	PSK	(MPJ-HOL)
P03	10-9	1250	6807	Sun	Polish Intel.	PSK	(MPJ-HOL)
P03	16-9	1245	6807	Sat	Polish intel.	PSK	(AB-POL/MPJ)
P03	16-9	1250	6807	Sat	Polish intel.	PSK	(AB-POL/MPJ)
P03	16-9	1310	9063	Sat	Polish intel.	PSK	(AB-POL/MPJ)
P03	16-9	1315	9063	Sat	Polish intel.	PSK	(AB-POL/MPJ)
P03	17-9	1245	6807	Sun	Polish intel.	PSK	(AB/MPJ-HOL)
P03	17-9	1250	6807	Sun	Polish intel.	PSK	(AB/MPJ-HOL)

P03	18-9	0615	15690	Mon	Polish intel.	PSK	(AB-POL)
P03	18-9	0620	15690	Mon	Polish intel.	PSK	(AB-POL)
P03	18-9	1030	9902	Mon	Polish intel.	PSK	(AB)
P03	18-9	1035	9902	Mon	Polish intel.	PSK	(AB)
P03	18-9	1200	9079	Mon	Polish intel.	PSK	(AB)
P03	18-9	1205	9079	Mon	Polish intel.	PSK	(AB)
P03	19-9	0615	11493	Tue	Polish intel.	PSK	(AB)
P03	19-9	0620	11493	Tue	Polish intel.	PSK	(AB)
P03	19-9	0720	11493	Tue	Polish intel.	PSK	(AB)
P03	19-9	0725	11493	Tue	Polish intel.	PSK	(AB)
P03	19-9	1100	8274	Tue	Polish intel.	PSK	(AB)
P03	19-9	1105	8274	Tue	Polish intel.	PSK	(AB)
P03	20-9	0615	15690	Wed	Polish intel.	PSK	(AB-POL)
P03	20-9	0620	15690	Wed	Polish intel.	PSK	(AB-POL)
P03	20-9	1030	9902	Wed	Polish intel.	PSK	(AB)
P03	20-9	1035	9902	Wed	Polish intel.	PSK	(AB)
P03	20-9	1100	8274	Wed	Polish intel.	PSK	(AB)
P03	20-9	1105	8274	Wed	Polish intel.	PSK	(AB)
P03	20-9	1310	9063	Wed	Polish intel.	PSK	(AB-POL)
P03	20-9	1315	9063	Wed	Polish intel.	PSK	(AB-POL)
P03	21-9	0615	11493	Thu	Polish intel.	PSK	(AB)
P03	21-9	0620	11493	Thu	Polish intel.	PSK	(AB)
P03	21-9	0720	11493	Thu	Polish intel.	PSK	(AB)
P03	21-9	0725	11493	Thu	Polish intel.	PSK	(AB)
P03	21-9	1200	9079	Thu	Polish intel.	PSK	(AB)
P03	21-9	1205	9079	Thu	Polish intel.	PSK	(AB)
P03	23-9	1245	6807	Sat	Polish intel.	PSK	(AB)
P03	23-9	1250	6807	Sat	Polish intel.	PSK	(AB)
P03	23-9	1310	9063	Sat	Polish intel.	PSK	(AB)
P03	23-9	1315	9063	Sat	Polish intel.	PSK	(AB)
P03	24-9	1245	6807	Sun	Polish intel.	PSK	(AB)
P03	24-9	1250	6807	Sun	Polish intel.	PSK	(AB)
P03	25-9	0615	15690	Mon	Polish intel.	PSK	(AB-POL)
P03	25-9	0620	15690	Mon	Polish intel.	PSK	(AB-POL)
P03	25-9	1030	9902	Mon	Polish intel.	PSK	(AB)
P03	25-9	1035	9902	Mon	Polish intel.	PSK	(AB)
P03	25-9	1200	9079	Mon	Polish intel.	PSK	(AB)
P03	25-9	1205	9079	Mon	Polish intel.	PSK	(AB)
P03	26-9	0615	11493	Tue	Polish intel.	PSK	(AB-POL)
P03	26-9	0620	11493	Tue	Polish intel.	PSK	(AB-POL)
P03	26-9	0720	11493	Tue	Polish intel.	PSK	(AB)
P03	26-9	0725	11493	Tue	Polish intel.	PSK	(AB)



P03	26-9	1100	8274	Tue	Polish intel.	PSK	(AB)
P03	26-9	1105	8274	Tue	Polish intel.	PSK	(AB)
P03	27-9	0615	15690	Wed	Polish intel.	PSK	(AB)
P03	27-9	0620	15690	Wed	Polish intel.	PSK	(AB)
P03	27-9	1030	9902	Wed	Polish intel.	PSK	(AB)
P03	27-9	1035	9902	Wed	Polish intel.	PSK	(AB)
P03	27-9	1100	8274	Wed	Polish intel.	PSK	(AB)
P03	27-9	1105	8274	Wed	Polish intel.	PSK	(AB)
P03	27-9	1310	9063	Wed	Polish intel.	PSK	(AB-POL)
P03	27-9	1315	9063	Wed	Polish intel.	PSK	(AB-POL)
P03	28-9	0615	11493	Thu	Polish intel.	PSK	(AB)
P03	28-9	0620	11493	Thu	Polish intel.	PSK	(AB)
P03	28-9	1200	9079	Thu	Polish intel.	PSK	(AB)
P03	28-9	1205	9079	Thu	Polish intel.	PSK	(AB)
P03	30-9	1245	6807	Sat	Polish intel.	PSK	(AB/MPJ)
P03	30-9	1250	6807	Sat	Polish intel.	PSK	(AB/MPJ)
P03	30-9	1310	9063	Sat	Polish intel.	PSK	(AB/MPJ)
P03	30-9	1315	9063	Sat	Polish intel.	PSK	(AB/MPJ)
P03e	10-9	1515	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ-POL)
P03e	10-9	1520	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ-HOL)
P03e	15-9	1515	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	15-9	1520	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	17-9	1515	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-9	1520	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	22-9	1515	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	22-9	1520	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	24-9	1515	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	24-9	1520	18636	Sun	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	29-9	1515	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	29-9	1520	18636	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03g	5-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	26-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03k	8-9	0530	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-9	0535	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	1800	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	1805	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1100	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(MPJ-HOL)
P03k	10-9	1105	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(MPJ-HOL)
P03k	10-9	1200	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(MPJ-HOL)
P03k	10-9	1205	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(MPJ-HOL)
P03k	13-9	1800	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-9	1805	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-9	1200	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	16-9	1205	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	16-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	16-9	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	16-9	1800	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	16-9	1805	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	17-9	1100	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1105	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1200	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1205	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-9	1800	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-9	1805	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-9	0530	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-9	0535	9431	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-9	1100	8186	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-9	1105	8186	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-9	1200	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-9	1205	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-9	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)

P03k	23-9	1800	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	23-9	1805	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	24-9	0530	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	0535	9431	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1100	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1105	8186	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1200	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1205	6849	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-9	1800	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-9	1805	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-9	1100	8186	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-9	1105	8186	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	1200	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-9	1205	6849	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	30-9	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	30-9	1800	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-9	1805	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03I	5-9	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	5-9	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	7-9	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	7-9	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	15-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-9	1500	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-9	1505	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-9	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	19-9	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	19-9	1500	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-9	1505	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-9	1350	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-9	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	21-9	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	22-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	22-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	22-9	1500	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-9	1505	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-9	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	26-9	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB-POL)

P03I	26-9	1500	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-9	1505	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1350	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	29-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	29-9	1500	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-9	1505	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	10-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(MPJ)
P07	10-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(MPJ)
P07	10-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(MPJ)
P07	10-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(MPJ)
P07	10-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(MPJ)
P07	17-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
S06	1-9	0400	11616	Fri	480 973 56 09848 67515 88887 ... 10850 58646 64706 973 56 00000	USB	(Subilo/HFD-J)
S06	1-9	0420	9322	Fri	480 973 56 09848 67515 88887 ... 10850 58646 64706 973 56 00000	USB	(Subilo/HFD-J)
S06	1-9	1900	9412	Fri	637 637 637 00000	USB	(AB/HFD)
S06	1-9	2000	6985	Fri	637 637 637 00000	USB	(AB/HFD)
S06	4-9	0400	11616	Mon	480 215 69 19397 86086 49625 ... 71961 23820 89168 215 69 00000	USB	(Subilo)

S06	4-9	0420	9322	Mon	480 215 69 19397 86086 49625 ... 71961 23820 89168 215 69 00000	USB	(Subilo)
S06	5-9	0400	11616	Tue	480 796 53 62606 03233 13455 ... 67406 81957 59357 796 53 00000	USB	(Subilo)
S06	5-9	0420	9322	Tue	480 796 53 62606 03233 13455 ... 67406 81957 59357 796 53 00000	USB	(Subilo)
S06	6-9	0400	11616	Wed	480 135 62 00793 80395 88439 ... 69768 44183 34915 135 62 00000	USB	(Subilo)
S06	6-9	0420	9322	Wed	480 135 62 00793 80395 88439 ... 69768 44183 34915 135 62 00000	USB	(Subilo)
S06	7-9	0400	11616	Thu	480 269 57 60657 99238 33864 ... 88918 13953 56940 269 57 00000	USB	(Subilo)
S06	7-9	0420	9322	Thu	480 269 57 60657 99238 33864 ... 88918 13953 56940 269 57 00000	USB	(Subilo)
S06	8-9	0400	11616	Fri	480 317 65 10377 08858 24658 ... 31295 62745 06462 317 65 00000	USB	(Subilo)
S06	8-9	0420	9322	Fri	480 317 65 10377 08858 24658 ... 31295 62745 06462 317 65 00000	USB	(Subilo)
S06	11-9	0400	11616	Mon	480 526 70 40050 22945 89409 ... 28007 88814 11361 526 70 00000	USB	(Subilo)
S06	11-9	0420	9322	Mon	480 526 70 40050 22945 89409 ... 28007 88814 11361 526 70 00000	USB	(Subilo)
S06	12-9	0400	11616	Tue	Carrier only	USB	(Subilo)
S06	12-9	0420	9322	Tue	480 917 52 17711 73066 88188 ... 77751 50801 42659 917 52 00000	USB	(Subilo)
S06	13-9	0400	11616	Wed	480 562 70 61861 86751 96254 ... 21049 13018 85146 562 70 00000	USB	(Subilo)
S06	13-9	0420	9322	Wed	480 562 70 61861 86751 96254 ... 21049 13018 85146 562 70 00000	USB	(Subilo)
S06	13-9	1237	9931	Wed	i.p. 683	USB	(Pof)
S06	14-9	0400	11616	Thu	480 371 68 62548 54915 54026 ... 00061 72538 91790 371 68 00000	USB	(Subilo)
S06	14-9	0420	9322	Thu	480 371 68 62548 54915 54026 ... 00061 72538 91790 371 68 00000	USB	(Subilo)
S06	15-9	0400	11616	Fri	480 659 43 13708 30126 18159 ... 73012 08467 42188 659 43 (no closing nulls)	USB	(Subilo)
S06	15-9	0420	9322	Fri	480 659 43 13708 30126 18159 ... 73012 08467 42188 659 43 (no closing nulls)	USB	(Subilo)
S06	15-9	1900	9412	Fri	637 637 637 00000	USB	(AB)
S06	15-9	2000	6985	Fri	637 637 637 00000	USB	(AB)
S06	22-9	0400	11616	Fri	480 217 56 62408 89695 75670 ... 29987 33925 82520 271 56 00000	USB	(Subilo)
S06	22-9	0420	9322	Fri	480 217 56 62408 89695 75670 ... 29987 33925 82520 271 56 00000	USB	(Subilo)
S06	25-9	0400	11616	Mon	480 539 61 79869 23291 69058 ... 65195 36992 99229 539 61 00000	USB	(Subilo)
S06	25-9	0420	9322	Mon	480 539 61 79869 23291 69058 ... 65195 36992 99229 539 61 00000	USB	(Subilo)
S06	26-9	0400	11616	Tue	480 762 53 82331 66826 95219 ... 69782 55500 44841 762 53 00000	USB	(Subilo)
S06	26-9	0420	9322	Tue	480 762 53 82331 66826 95219 ... 69782 55500 44841 762 53 00000	USB	(Subilo)
S06	27-9	0400	11616	Wed	480 139 52 82379 18244 04446 ... 61990 29303 24599 139 52 00000	USB	(Subilo)
S06	27-9	0420	9322	Wed	480 139 52 82379 18244 04446 ... 61990 29303 24599 139 52 00000	USB	(Subilo)
S06	28-9	0400	11616	Thu	480 527 61 29923 90334 23881 ... 57592 53246 87773 527 61 00000	USB	(Subilo)
S06	28-9	0420	9322	Thu	480 527 61 29923 90334 23881 ... 57592 53246 87773 527 61 00000	USB	(Subilo)
S06	29-9	0400	11616	Fri	480 631 58 40113 99878 27960 ... 47670 90635 38374 631 58 00000	USB	(Subilo)
S06	29-9	0420	9322	Fri	480 631 58 40113 99878 27960 ... 47670 90635 38374 631 58 00000	USB	(Subilo)
S06c	19-9	0645	12136	Tue	11042 (R)	USB	(RO)
S11a	1-9	0725	21854	Fri	382/00 Konets	USB	(AB-POL/Lac/HFD)
S11a	1-9	0915	6480	Fri	480/00 Konets	USB	(AB-POL/HFD)
S11a	1-9	1400	11420	Fri	420/00 Konets	USB	(AB/HFD)
S11a	2-9	0830	6433	Sat	379/00 Konets	USB	(AB/HFD)
S11a	2-9	1850	10213	Sat	284/00 Konets	USB	(AB)
S11a	3-9	0830	6433	Sun	370/00 Konets	USB	(AB-POL)

S11a	4-9	0700	8597	Mon	471/39 Vnmaniye 67865 49112 08315 ... 20184 03465 96188 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	4-9	0815	6480	Mon	487/00 Konets	USB	(AB-POL/Lac)
S11a	5-9	0445	10728	Tue	794/00 Konets	USB	(AB/Lac)
S11a	5-9	1400	11420	Tue	426/00 Konets	USB	(AB/Lac/HFD)
S11a	6-9	0725	21854	Wed	380/36 Vnmaniye 11649 13691 51702 ... 06524 78129 71384 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Lac/Subilo)
S11A	6-9	1850	10213	Wed	281/00 Konets	USB	(HFD)
S11a	7-9	0445	10728	Thu	794/00 Konets	USB	(AB-POL)
S11a	7-9	0700	8597	Thu	471/39 Vnmaniye 67865 49112 08315 ... 20184 03465 96188 Vnmaniye (msg rptd) Konets	USB	(AB/Lac/Subilo/HFD)
S11a	8-9	0725	21854	Fri	380/36 Vnmaniye 11649 13691 51702 ... 06524 78129 71384 Vnmaniye (msg rptd) Konets	USB	(Subilo)
S11a	8-9	1400	11420	Fri	485/00 Out	USB	(MPJ)
S11a	9-9	1850	10213	Sat	287/00 Konets	USB	(AB)
S11a	11-9	0510	23004	Mon	659/34 Vnmaniye 34920 60323 16570 ... 31897 93743 86896 Vnmaniye (msg rptd) Konets	USB	(Subilo)
S11a	11-9	0700	8597	Mon	470/00 Konets	USB	(AB)
S11a	12-9	1400	11420	Tue	420/36 Vnmaniye 84032 34339 21934 ... 84310 86181 79745 Vnmaniye (msg rptd) Konets	USB	(Subilo)
S11a	13-9	0510	23004	Wed	659/34 Vnmaniye 34920 60323 16570 ... 31897 93743 86896 Vnmaniye (msg rptd) Konets	USB	(Subilo/HFD)
S11a	14-9	0700	8597	Thu	479/00 Konets	USB	(AB)
S11a	15-9	1400	11420	Fri	420/36 Vnmaniye 84032 34339 21934 ... 84310 86181 79745 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	16-9	0830	6433	Sat	378/00 Konets	USB	(AB)
S11a	16-9	1850	10213	Sat	280/00 Konets	USB	(AB)
S11a	17-9	0830	6433	Sun	370/00 Konets	USB	(AB)
S11a	18-9	0510	23004	Mon	650/00 Konets	USB	(AB-POL)
S11a	18-9	0700	8597	Mon	476/00 Konets	USB	(AB/Lac)
S11a	18-9	0815	6480	Mon	483/38 Vnmaniye 17592 81421 97664 ... 72760 34109 16232 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Subilo)
S11a	19-9	0445	10728	Tue	799/00 Konets	USB	(AB-POL)
S11a	19-9	1400	11420	Tue	426/00 Konets	USB	(AB)
S11a	20-9	0510	23004	Wed	652/00 Konets	USB	(AB-POL)
S11a	20-9	0725	21854	Wed	380/00 Konets	USB	(AB-POL)
S11a	20-9	1850	10213	Wed	280/00 Konets	USB	(AB)
S11a	21-9	0445	10728	Thu	796/00 Konets	USB	(AB-POL)
S11a	21-9	0700	8597	Thu	477/00 Konets	USB	(AB)
S11a	22-9	0725	21854	Fri	382/00 Konets	USB	(AB-POL)
S11a	22-9	0915	6480	Fri	483/38 Vnmaniye 17592 81421 97664 ... 72760 34109 16232 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Subilo)
S11a	22-9	1400	11420	Fri	424/00 Konets	USB	(AB)
S11a	23-9	0830	6433	Sat	376/40 Vnmaniye 49983 13790 81805 ... 16928 21018 34696 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	23-9	1850	10213	Sat	282/00 Konets	USB	(AB)
S11a	24-9	0830	6433	Sun	376/40 Vnmaniye 49983 13790 81805 ... 16928 21018 34696 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	25-9	0510	23004	Mon	652/00 Konets	USB	(AB-POL)
S11a	25-9	0700	8597	Mon	471/00 Konets	USB	(AB/Lac)
S11a	25-9	0815	6480	Mon	483/00 Konets	USB	(AB-POL)
S11a	26-9	0445	10728	Tue	793/36 Vnmaniye 43561 99017 74143 ... 51465 44823 16980 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Subilo/HFD)
S11a	26-9	1400	11420	Tue	424/00 Konets	USB	(AB)

<b>S11a</b>	27-9	0725	21854	Wed	384/00 Konets	USB	(AB-POL)
<b>S11a</b>	27-9	1850	10213	Wed	284/34 Vnmaniye 76935 63619 02287 ... 32194 33320 00606 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
<b>S11a</b>	28-9	0445	10728	Thu	793/36 Vnmaniye 43561 99017 74143 ... 51465 44823 16980 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Subilo)
<b>S11a</b>	28-9	0700	8597	Thu	476/00 Konets	USB	(AB)
<b>S11a</b>	29-9	0725	21854	Fri	Null message	USB	(AB-POL)
<b>S11a</b>	29-9	0915	6480	Fri	484/00 Konets	USB	(AB-POL)
<b>S11a</b>	29-9	1400	11420	Fri	421/00 Konets	USB	(AB/MPJ)
<b>S11a</b>	30-9	0830	6433	Sat	370/00 Konets	USB	(AB)
<b>S11a</b>	30-9	1850	10213	Sat	284/34 Vnmaniye 76935 63619 02287 ... 32194 33320 00606 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
<b>S25</b>	19-9	0532	6780	Tue	Test tones and 11936 55555 12345 23456 3	USB	(EL)
<b>S28</b>	11-9	0411	4625	Mon	Buzzer: Russian military channel marker	USB	(ChPa)
<b>S28</b>	14-9	0414	4625	Thu	Buzzer: Russian military channel marker	USB	(ChPa)
<b>S28</b>	16-9	0430	4625	Sat	Buzzer: Russian military channel marker	USB	(ChPa)
<b>S28</b>	21-9	0449	4625	Thu	Buzzer: Russian military channel marker	USB	(ChPa)
<b>S30</b>	17-9	1455	6783	Sun	Pip: Russian military channel marker	USB	(AB)
<b>S30</b>	21-9	0649	5448	Thu	Pip: Russian military channel marker	USB	(AB-POL)
<b>S32</b>	21-9	0653	5367	Thu	Squeaky Wheel: Russian military channel marker	USB	(AB-POL)
<b>TUN</b>	22-9	0818	16280	Fri	Tunisian diplo. Encrypted email i.p.	Pactor-II	(AB)
<b>TUN</b>	22-9	0843	16280	Fri	STAT151: MFA Tunis clg STAT6	Mil-STD-188-141A/USB	(AB)
<b>UM04</b>	1-9	0700	4735	Fri	VVV VVV PROMRCh = 01 09 = 1000 0830 0870 0980 1350 ... 0800 0760 0790 0910 1280 = AR	CW	(AB-HNG)
<b>UM04</b>	2-9	0700	4735	Sat	VVV PROMRCh = 02 09 = too weak to copy	CW	(AB-ROU)
<b>UM04</b>	3-9	0701	4735	Sun	VVV VVV PROMRCh = 0309 = 1000 0840 0870 0990 1360 ... 0800 0760 0800 0910 1280 = AR	CW	(AB-ROU)
<b>UM04</b>	4-9	0700	4735	Mon	VVV VVV PROMRCh = 04 09 = 1000 0850 0880 1000 1370 ... 0800 0760 0800 0920 1280 = AR	CW	(AB-HNG)
<b>UM04</b>	5-9	0700	4735	Tue	VVV VVV PROMRCh = 05 09 = 1000 0850 0880 1000 1380 ... 0800 0760 0800 0920 1300 = AR	CW	(AB-HNG)
<b>UM04</b>	6-9	0700	4735	Wed	VVV VVV PROMRCh = 06 09 = 1000 0850 0880 1000 1390 ... 0800 0760 0790 0920 1290 = AR	CW	(AB-HNG)
<b>UM04</b>	7-9	0700	4735	Thu	VVVVV PROMRCh = 07 09 = 1000 0850 0880 1000 1390 ... 0800 0760 0800 0920 1290 = AR	CW	(AB-HNG)
<b>UM04</b>	8-9	0700	4375	Fri	VVV VVV PROMRCh = 08 09 = 1000 0840 0880 1000 1390 ... 0800 0750 0790 0920 1290 = AR	CW	(AB/Subilo)
<b>UM04</b>	9-9	0700	4375	Sat	VVV VVV PROMRCh = 09 09 = 1000 0850 0880 1010 1400 ... 0800 0760 0790 0920 1300 = AR	CW	(AB/Subilo)
<b>UM04</b>	10-9	0700	4375	Sun	VVV VVV PROMRCh = 10 09 = 1000 0850 0890 1010 1410 ... 0800 0750 0790 0920 1300 = AR 000	CW	(AB/Subilo)
<b>UM04</b>	11-9	0700	4375	Mon	VVV VVV PROMRCh = 11 09 = 1000 0850 0880 1010 1410 ... 0800 0750 0790 0920 1300 = AR	CW	(AB/Subilo)
<b>UM04</b>	12-9	0700	4375	Tue	VVV VVV PROMRCh = 12 09 = 1000 0850 0880 1020 1420 ... 0800 0750 0790 09_ ____ = AR (largely unreadable)	CW	(AB/Subilo)
<b>UM04</b>	13-9	0700	4375	Wed	VVV VVV PROMRCh = 13 09 = 1000 0760 0890 1020 1430 ... 0800 0760 0800 0930 1320 = AR	CW	(AB/Subilo)
<b>UM04</b>	14-9	0700	4375	Thu	VVV VVV PROMRCh = 14 09 = 1000 0860 0890 1020 1430 ... 0800 0760 0800 0930 1320 = AR	CW	(AB/Subilo)
<b>UM04</b>	15-9	0700	4375	Fri	VVV VVV PROMRCh = 15 09 = 1000 0850 0890 1020 1430 ... 0800 0750 0790 0930 1320 = AR	CW	(AB/Subilo)
<b>UM04</b>	16-9	0700	4375	Sat	VVV VVV PROMRCh = 16 09 = 1000 0860 0900 1040 1450 ... 0800 0760 0800 0930 1330 = AR	CW	(AB/Subilo)
<b>UM04</b>	17-9	0700	4735	Sun	VVV VVV PROMRCh = 17 09 = 1000 0860 0900 1040 1450 ... 0800 0750 0790 0930 1330 = AR	CW	(AB-HNG)
<b>UM04</b>	18-9	0700	4735	Mon	VVVVV PROMRCh = 1809 = 1000 0870 0910 1050 1470 ... 1800 0760 0800 0930 1340 = AR	CW	(AB-HNG)
<b>UM04</b>	19-9	0700	4735	Tue	VVVVV PROMRCh = 19 09 = 1000 0870 0910 1050 1480 ... 0800 0760 0800 0940 1340 = AR	CW	(AB-HNG)
<b>UM04</b>	20-9	0700	4375	Wed	VVV VVV PROMRCh = 20 09 = 1000 0880 0920 1060 1410 ... 0800 0760 0800 0940 1350 = AR	CW	(AB/Subilo)
<b>UM04</b>	20-9	0700	4375	Wed	VVV VVV PROMRCh = 20 09 = 1000 0880 0920 1060 1410 ... 0800 0760 0800 0940 1350 = AR	CW	(AB/Subilo)
<b>UM04</b>	21-9	0700	4375	Thu	VVV VVV PROMRCh = 21 09 = 1000 0870 0910 1050 1480 ... 0800 0750 0790 0930 1340 = AR	CW	(AB/Subilo)

UM04	22-9	0700	4735	Fri	VVV VVV PROMRCh = 22 09 = 1000 0870 0910 1050 1480 ... 0800 0740 0780 0930 1340 = AR	CW	(AB-HNG)
UM04	25-9	0700	4735	Mon	VVV VVV PROMRCh = 25 09 = 1000 0880 0910 1060 1490 ... 0800 0740 0780 0930 1330 = AR	CW	(AB-HNG)
UM04	26-9	0702	4735	Tue	VVVVV PROMRCh= 2609 = 1000 0880 0920 1060 1500 ... 0800 0750 0790 0930 1340 = AR	CW	(AB-HNG)
UM04	27-9	0700	4375	Wed	VVV VVV PROMRCh = 27 09 = 1000 0890 0930 1070 1510 ... 0800 0750 0790 0930 1340 = AR	CW	(AB/Subilo)
UM04	29-9	0700	4735	Fri	VVV VVV PROMRCh = 29 09 = 1000 0900 0940 1080 1510 ... 0800 0750 0790 0930 1340 = AR	CW	(AB-HNG)
UM04	30-9	0700	4375	Sat	VVVVV PROMRCh = 3009 = 1000 0900 0940 1080 0510 ... 0800 0740 0780 0920 1330 = AR	CW	(AB/Subilo)
UM10	1-9	1635	3886	Fri	10-minutes net: LEQA	CW	(JPL-J)
V07	10-9	0200	17431	Sun	414 414 414 1 360 67 360 67 13735 15411 71068 ... 24932 98319 76615 000 000 Off and restart at 0206z.	USB	(Dan)
V07	17-9	0200	17431	Sun	414 414 414 1 638 115 638 115 89477 49808 42536 ... 54460 63868 80745 000 000	USB	(Dan/HFD-USA)
V07	17-9	0200	17431	Sun	414:1-638/115= 89477 via KiwiSDR USA	USB	(HFD-USA)
V07	17-9	0220	16131	Sun	414 414 414 1 638 115 638 115 89477 49808 42536 ... 54460 63868 80745 000 000	USB	(HFD-USA)
V07	17-9	0240	14431	Sun	414 414 414 1 638 115 638 115 89477 49808 42536 ... 54460 63868 80745 000 000	USB	(HFD-USA)
V07	24-9	0200	17431	Sun	414 414 414 1 7358 107 7358 107 93493 16107 56736 ... 34909 52743 80349 000 000	USB	(Dan)
V28	18-9	2059	5013.6	Mon	Parrot	AM	(HK)
X06	5-9	0830	13401	Tue	MFA Moscow clg 154263 Russian embassy Rome	MFSK-6	(RO)
X06	5-9	0830	13411	Tue	MFA Moscow clg 165423 Russian embassy Brussels	MFSK-6	(RO)
X06	5-9	0929	18197	Tue	MFA Moscow clg 645321 Russian embassy Ho Chi Minh City	MFSK-6	(RO)
X06	5-9	1107	16115	Tue	MFA Moscow clg 215346 Russian Consulate General Mumbai	MFSK-6	(RO)
X06	5-9	1113	13979	Tue	MFA Moscow clg 215346 Russian Consulate General Mumbai	MFSK-6	(RO)
X06	5-9	1152	18523	Tue	MFA Moscow clg 325614 Russian embassy Nairobi	MFSK-6	(RO)
X06	5-9	1153	18523	Tue	MFA Moscow clg Russian embassy Nairobi	MFSK-6	(AB)
X06	10-9	1055	11067	Sun	MFA Moscow clg 145632 Russian embassy Algiers	MFSK-6	(RO)
X06	11-9	0824	17475	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(RO)
X06	11-9	0824	17475	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(RO)
X06	11-9	0931	16117	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(Moon)
X06	11-9	0931	16117	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(Moon)
X06	12-9	0756	13420	Tue	MFA Moscow clg 534216 Russian embassy Baghdad	MFSK-6	(RO)
X06	12-9	0756	13420	Tue	MFA Moscow clg 534216 Russian embassy Baghdad	MFSK-6	(RO)
X06	12-9	1003	17520	Tue	MFA Moscow clg 612534 Russian embassy Ashgabat	MFSK-6	(RO)
X06	12-9	1003	17520	Tue	MFA Moscow clg 612534 Russian embassy Ashgabat	MFSK-6	(RO)
X06	12-9	1008	20813	Tue	MFA Moscow clg 216354 Russian Consulate General Chennai	MFSK-6	(RO)
X06	12-9	1008	20813	Tue	MFA Moscow clg 216354 Russian Consulate General Chennai	MFSK-6	(RO)
X06	12-9	1808	17523	Tue	MFA Moscow clg 542136 Russian embassy Beijing	MFSK-6	(RO)
X06	12-9	1808	17523	Tue	MFA Moscow clg 542136 Russian embassy Beijing	MFSK-6	(RO)
X06	13-9	0804	10172	Wed	MFA Moscow clg 465132 Russian embassy Sofia	MFSK-6	(RO)
X06	13-9	0804	10172	Wed	MFA Moscow clg 465132 Russian embassy Sofia	MFSK-6	(RO)
X06	13-9	0805	18177	Wed	MFA Moscow clg 164253 Russian embassy Addis Ababa	MFSK-6	(RO)
X06	13-9	0805	18177	Wed	MFA Moscow clg 164253 Russian embassy Addis Ababa	MFSK-6	(RO)
X06	14-9	0820	14550	Thu	MFA Moscow clg 153624 Russian embassy Damascus	MFSK-6	(RO)
X06	14-9	0820	14550	Thu	MFA Moscow clg 153624 Russian embassy Damascus	MFSK-6	(RO)
X06	19-9	0801	11462	Tue	MFA Moscow clg 165423 Russian embassy Brussels	MFSK-6	(RO)



X06	19-9	0840	12149	Tue	MFA Moscow clg 154263 Russian embassy Rome	MFSK-6	(RO)
X06	20-9	0628	14405	Wed	MFA Moscow clg 256341 Russian embassy Beirut	MFSK-6	(RO)
X06	20-9	1201	16115	Wed	MFA Moscow clg 215346 Russian Consulate General Chennai	MFSK-6	(Moon)
X06	21-9	0736	19511	Thu	MFA Moscow clg 314265 Russian embassy Antananarivo	MFSK-6	(RO)
X06	21-9	0811	17534	Thu	MFA Moscow clg 351264 Russian embassy Abu Dhabi	MFSK-6	(RO)
X06	21-9	0825	19511	Thu	MFA Moscow clg 314265 Russian embassy Antananarivo	MFSK-6	(RO)
X06	21-9	1338	20627	Thu	MFA Moscow clg 436512 Russian embassy Harare	MFSK-6	(Moon)
X06	24-9	1042	12114	Sun	MFA Moscow clg 145632 Russian embassy Algiers	MFSK-6	(RO)
X06	26-9	0759	17523	Tue	MFA Moscow clg 542136 Russian embassy Beijing	MFSK-6	(RO)
X06	26-9	0804	10767	Tue	MFA Moscow clg 534216 Russian embassy Baghdad	MFSK-6	(RO)
X06	26-9	0954	20813	Tue	MFA Moscow clg 216354 Russian Consulate General Chennai	MFSK-6	(RO)
X06	27-9	0844	12423	Wed	MFA Moscow clg 666132	MFSK-6	(Moon)
X06	27-9	0902	18245	Wed	MFA Moscow clg 134265 Russian embassy Tunis	MFSK-6	(Moon)
X06	28-9	0810	16153	Thu	MFA Moscow clg 153624 Russian embassy Damascus	MFSK-6	(RO)
XPA1	1-9	1210	12137	Fri	112 112 112 1 04640 00100 48430 ... 88500 10176 45141	MFSK-20/10Bd	(AB/HFD)
XPA1	1-9	1230	11137	Fri	112 112 112 1 04640 00100 48430 ... 88500 10176 45141	MFSK-20/10Bd	(AB/HFD)
XPA1	1-9	1250	10237	Fri	112 112 112 1 04640 00100 48430 ... 88500 10176 45141	MFSK-20/10Bd	(AB/HFD)
XPA1	6-9	1210	12137	Wed	112 112 112 000 09711 00001 00000 35262	MFSK-20/10Bd	(MPJ/PY)
XPA1	6-9	1230	14917	Wed	112 112 112 000 09711 00001 00000 35262	MFSK-20/10Bd	(MPJ)
XPA1	6-9	1250	13517	Wed	112 112 112 000 09711 00001 00000 35262	MFSK-20/10Bd	(MPJ)
XPA1	8-9	1210	12137	Fri	112 112 112 000 07515 00001 00000 36260	MFSK-20/10Bd	(PY)
XPA1	13-9	1210	12137	Wed	112 112 112 000 03069 00001 00000 35661	MFSK-20/10Bd	(PY)
XPA1	15-9	1210	12137	Fri	112 112 112 000 05742 00001 00000 35661	MFSK-20/10Bd	(AB)
XPA1	15-9	1230	11137	Fri	112 112 112 000 05742 00001 00000 35661	MFSK-20/10Bd	(AB)
XPA1	15-9	1250	10237	Fri	112 112 112 000 05742 00001 00000 35661	MFSK-20/10Bd	(AB)
XPA1	20-9	1210	12137	Wed	112 112 112 000 08454 00001 00000 35265	MFSK-20/10Bd	(AB)
XPA1	20-9	1230	14917	Wed	112 112 112 000 08454 00001 00000 35265	MFSK-20/10Bd	(AB)
XPA1	20-9	1250	13517	Wed	112 112 112 000 08454 00001 00000 35265	MFSK-20/10Bd	(AB)
XPA1	22-9	1210	12137	Fri	112 112 112 000 07808 00001 00000 41257	MFSK-20/10Bd	(AB/MPJ)
XPA1	22-9	1230	11137	Fri	112 112 112 000 07808 00001 00000 41257	MFSK-20/10Bd	(AB/MPJ)
XPA1	22-9	1250	10237	Fri	112 112 112 000 07808 00001 00000 41257	MFSK-20/10Bd	(AB/MPJ)
XPA1	27-9	1210	12137	Wed	112 112 112 000 06387 00001 00000 36266	MFSK-20/10Bd	(AB)
XPA1	27-9	1230	14917	Wed	112 112 112 000 06387 00001 00000 36266	MFSK-20/10Bd	(AB)
XPA1	27-9	1250	13517	Wed	112 112 112 000 06387 00001 00000 36266	MFSK-20/10Bd	(AB)
XPA1	29-9	1210	12137	Fri	112 112 112 000 07648 00001 00000 40263	MFSK-20/10Bd	(AB/MPJ)
XPA1	29-9	1230	11137	Fri	112 112 112 000 07648 00001 00000 40263	MFSK-20/10Bd	(AB/MPJ)
XPA1	29-9	1250	10237	Fri	112 112 112 000 07648 00001 00000 40263	MFSK-20/10Bd	(AB/MPJ)
XPA2	1-9	0800	14374	Fri	05814 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	1-9	0820	14974	Fri	05814 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	1-9	0840	16274	Fri	05814 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	1-9	1100	13431	Fri	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB)
XPA2	1-9	1120	12131	Fri	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB)

XPA2	1-9	1140	11431	Fri	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	1800	16351	Fri	Message	MFSK-16/20Bd	(HFD)
XPA2	1-9	1820	14851	Fri	Message	MFSK-16/20Bd	(HFD)
XPA2	1-9	1840	13951	Fri	Message	MFSK-16/20Bd	(HFD)
XPA2	2-9	0910	15859	Sat	00522 00142 68116 ... 42101 17553 21021	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	0930	14659	Sat	00522 00142 68116 ... 42101 17553 21021	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	0950	13459	Sat	00522 00142 68116 ... 42101 17553 21021	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	1500	14373	Sat	00469 00230 68100 ... 72574 18904 25436	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	1520	13373	Sat	00469 00230 68100 ... 72574 18904 25436	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	1540	11573	Sat	00469 00230 68100 ... 72574 18904 25436	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	0800	14374	Sun	08209 00001 00000 36660	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	3-9	0820	14974	Sun	08209 00001 00000 36660	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	3-9	0840	16274	Sun	08209 00001 00000 36660	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	3-9	1200	13914	Sun	00289 00069 10949 ... 70618 62279 47156	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-9	1220	15814	Sun	00289 00069 10949 ... 70618 62279 47156	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-9	1240	16314	Sun	00289 00069 10949 ... 70618 62279 47156	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-9	0700	12152	Mon	03723 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	4-9	0720	13552	Mon	03723 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	4-9	0740	13952	Mon	03723 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	4-9	0910	18206	Mon	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB)
XPA2	4-9	0930	16329	Mon	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB)
XPA2	4-9	0950	15824	Mon	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB)
XPA2	4-9	1500	14373	Mon	09994 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	4-9	1520	13373	Mon	09994 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	4-9	1540	11573	Mon	09994 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	5-9	0500	10221	Tue	04410 00001 00000 33255	MFSK-16/20Bd	(AB)
XPA2	5-9	0520	11121	Tue	04410 00001 00000 33255	MFSK-16/20Bd	(AB)
XPA2	5-9	0540	12221	Tue	04410 00001 00000 33255	MFSK-16/20Bd	(AB)
XPA2	5-9	1100	13431	Tue	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB)
XPA2	5-9	1120	12131	Tue	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB)
XPA2	5-9	1140	11431	Tue	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(AB)
XPA2	5-9	1200	13914	Tue	01819 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	5-9	1220	15814	Tue	01819 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	5-9	1240	16314	Tue	01819 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	6-9	0700	12152	Wed	03844 00001 00000 37257	MFSK-16/20Bd	(AB/EW)
XPA2	6-9	0720	13552	Wed	03844 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	6-9	0740	13952	Wed	03844 00001 00000 37257	MFSK-16/20Bd	(AB/PY)
XPA2	6-9	0910	18206	Wed	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB/PY)
XPA2	6-9	0930	16329	Wed	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB/PY)
XPA2	6-9	0950	15824	Wed	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(AB)
XPA2	6-9	1100	16117	Wed	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB/MPJ/PY)
XPA2	6-9	1120	14917	Wed	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB/MPJ/PY)

XPA2	6-9	1140	13517	Wed	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-9	1800	16351	Wed	00603 00169 76839 ... 63181 81782 07325	MFSK-16/20Bd	(PY)
XPA2	6-9	1840	13951	Wed	00603 00169 76839 ... 63181 81782 07325	MFSK-16/20Bd	(PY)
XPA2	7-9	0500	10221	Thu	03331 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	7-9	0520	11121	Thu	03331 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	7-9	0540	12221	Thu	03331 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	7-9	0910	15859	Thu	03326 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	7-9	0930	14659	Thu	03326 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	7-9	0950	13459	Thu	03326 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	7-9	1100	16117	Thu	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB)
XPA2	7-9	1120	14917	Thu	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB)
XPA2	7-9	1140	13517	Thu	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(AB)
XPA2	7-9	1600	13887	Thu	07666 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	7-9	1620	13387	Thu	07666 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	7-9	1640	11587	Thu	07666 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	8-9	0800	14374	Fri	00652 00131 56300 ... 08967 42244 43524	MFSK-16/20Bd	(PY)
XPA2	8-9	0800	14974	Fri	00652 00131 56300 ... 08967 42244 43524	MFSK-16/20Bd	(PY)
XPA2	8-9	1100	13431	Fri	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(PY)
XPA2	8-9	1120	12131	Fri	07061 00091 62296 ... 17480 33663 15164	MFSK-16/20Bd	(PY)
XPA2	8-9	1800	16351	Fri	00603 00169 76839 ... 63181 81782 07325	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-9	1820	14851	Fri	00603 00169 76839 ... 63181 81782 07325	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-9	1840	13951	Fri	00603 00169 76839 ... 63181 81782 07325	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-9	0800	14374	Sat	00652 00131 56300 ... 08967 42244 43524	MFSK-16/20Bd	(PY)
XPA2	9-9	0800	14974	Sat	00652 00131 56300 ... 08967 42244 43524	MFSK-16/20Bd	(PY)
XPA2	9-9	0910	15859	Sat	03790 00001 00000 34664	MFSK-16/20Bd	(PY)
XPA2	9-9	1540	11573	Sat	03961 00001 00000 36261	MFSK-16/20Bd	(PY)
XPA2	10-9	1220	15814	Sun	07619 00001 00000 40660	MFSK-16/20Bd	(PY)
XPA2	11-9	0700	12152	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB/HFD)
XPA2	11-9	0720	13552	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB/HFD)
XPA2	11-9	0740	13952	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB/HFD)
XPA2	11-9	1500	14373	Mon	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB)
XPA2	11-9	1520	13373	Mon	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB)
XPA2	11-9	1540	11573	Mon	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB)
XPA2	12-9	0500	10221	Tue	00119 00068 37814 ... 65470 98629 13422	MFSK-16/20Bd	(PY/HFD)
XPA2	12-9	0520	11121	Tue	00119 00068 37814 ... 65470 98629 13422	MFSK-16/20Bd	(EW/PY/HFD)
XPA2	12-9	0540	12221	Tue	msg (hfd)	MFSK-16/20Bd	(HFD)
XPA2	12-9	1100	13431	Tue	01744 00001 00000 36655	MFSK-16/20Bd	(PY)
XPA2	12-9	1220	15814	Tue	00359 00061 19067 ... 09489 28027 12571	MFSK-16/20Bd	(PY)
XPA2	12-9	1600	13887	Tue	05645 00243 22273 ... 55271 43431 60646	MFSK-16/20Bd	(PY)
XPA2	13-9	0700	12152	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	13-9	0720	13552	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	13-9	0740	13952	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)

XPA2	13-9	0910	18206	Wed	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(PY)
XPA2	13-9	0930	16329	Wed	03516 00081 66942 ... 25652 13609 71602	MFSK-16/20Bd	(PY)
XPA2	13-9	1100	16117	Wed	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(PY)
XPA2	13-9	1120	14917	Wed	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(PY)
XPA2	13-9	1800	16351	Wed	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	13-9	1820	14851	Wed	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	13-9	1840	13951	Wed	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	14-9	0950	13459	Thu	09304 00174 48173... 90970 16807 51634	MFSK-16/20Bd	(PY)
XPA2	14-9	1100	16117	Thu	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(PY)
XPA2	14-9	1120	14917	Thu	00627 00181 30277 ... 74666 80747 20464	MFSK-16/20Bd	(PY)
XPA2	14-9	1600	13887	Thu	05645 00243 22273 ... 55271 43431 60646	MFSK-16/20Bd	(AB)
XPA2	14-9	1620	13387	Thu	05645 00243 22273 ... 55271 43431 60646	MFSK-16/20Bd	(AB)
XPA2	14-9	1640	11587	Thu	05645 00243 22273 ... 55271 43431 60646	MFSK-16/20Bd	(AB)
XPA2	14-9	1640	11587	Thu	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(PY)
XPA2	15-9	0800	14374	Fri	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(PY)
XPA2	15-9	0820	14974	Fri	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(PY)
XPA2	15-9	1100	13431	Fri	03375 00001 00000 34262	MFSK-16/20Bd	(PY)
XPA2	15-9	1800	16351	Fri	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	15-9	1820	14851	Fri	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	15-9	1840	13951	Fri	00649 00246 35137 ... 05133 60102 14705	MFSK-16/20Bd	(AB)
XPA2	16-9	0910	15859	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	16-9	0930	14659	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	16-9	0950	13459	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	16-9	1500	14373	Sat	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-9	1520	13373	Sat	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-9	1540	11573	Sat	00569 00290 56346 ... 95270 93217 20322	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-9	0800	14374	Sun	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(AB)
XPA2	17-9	0820	14974	Sun	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(AB)
XPA2	17-9	0840	16274	Sun	00321 00157 31686 ... 01383 47403 27666	MFSK-16/20Bd	(AB)
XPA2	17-9	1200	13914	Sun	00359 00061 19067 ... 09489 28027 12571	MFSK-16/20Bd	(AB/HFD)
XPA2	17-9	1220	15814	Sun	00359 00061 19067 ... 09489 28027 12571	MFSK-16/20Bd	(AB/HFD)
XPA2	17-9	1240	16314	Sun	00359 00061 19067 ... 09489 28027 12571	MFSK-16/20Bd	(AB/HFD)
XPA2	18-9	0700	12152	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB/EW)
XPA2	18-9	0720	13552	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	18-9	0740	13952	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	18-9	0910	18206	Mon	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	18-9	0930	16329	Mon	Off during the intro	MFSK-16/20Bd	(AB)
XPA2	18-9	0950	15824	Mon	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	18-9	1500	14373	Mon	02326 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	18-9	1520	13373	Mon	02326 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	18-9	1540	11573	Mon	02326 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	19-9	0500	10221	Tue	09232 00001 00000 33264	MFSK-16/20Bd	(AB)

XPA2	19-9	0520	11121	Tue	09232 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	19-9	0540	12221	Tue	09232 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	19-9	1100	13431	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	19-9	1120	12131	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	19-9	1140	11431	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	19-9	1200	13914	Tue	01197 00001 00000 35262	MFSK-16/20Bd	(AB)
XPA2	19-9	1220	15814	Tue	01197 00001 00000 35262	MFSK-16/20Bd	(AB)
XPA2	19-9	1240	16314	Tue	01197 00001 00000 35262	MFSK-16/20Bd	(AB)
XPA2	19-9	1600	13887	Tue	03432 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	19-9	1620	13387	Tue	03432 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	19-9	1640	11587	Tue	03432 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	20-9	0700	12152	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	20-9	0720	13552	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	20-9	0740	13952	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	20-9	0910	18206	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	20-9	0930	16329	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	20-9	0950	15824	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	20-9	1100	16117	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB/EW)
XPA2	20-9	1120	14917	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	20-9	1140	13517	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	20-9	1800	16351	Wed	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	20-9	1820	14851	Wed	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	20-9	1840	13951	Wed	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	21-9	0500	10221	Thu	04698 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	21-9	0520	11121	Thu	04698 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	21-9	0540	12221	Thu	04698 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	21-9	0730	17422	Thu	00327 00267 21882 ... 12120 28530 37561	MFSK-16/20Bd	(PY/AB)
XPA2	21-9	0740	16271	Thu	00327 00267 21882 ... 12120 28530 37561	MFSK-16/20Bd	(PY/AB)
XPA2	21-9	0750	15807	Thu	00327 00267 21882 ... 12120 28530 37561	MFSK-16/20Bd	(PY/AB)
XPA2	21-9	0910	15859	Thu	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	21-9	0930	14659	Thu	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	21-9	0950	13459	Thu	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	21-9	1100	16117	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB/HFD)
XPA2	21-9	1120	14917	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB/HFD)
XPA2	21-9	1140	13517	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB/HFD)
XPA2	21-9	1600	13887	Thu	03748 00001 00000 40657	MFSK-16/20Bd	(AB/HFD)
XPA2	21-9	1620	13387	Thu	03748 00001 00000 40657	MFSK-16/20Bd	(AB/HFD)
XPA2	21-9	1640	11587	Thu	03748 00001 00000 40657	MFSK-16/20Bd	(AB/HFD)
XPA2	22-9	0612	19591	Fri	Message in progress	MFSK16/20Bd	(EW)
XPA2	22-9	0640	16285	Fri	00248 00285 71168 ... 56967 70483 45172	MFSK-16/20Bd	(PY/AB)
XPA2	22-9	0650	15807	Fri	00248 00285 71168 ... 56967 70483 45172	MFSK-16/20Bd	(PY/AB)
XPA2	22-9	0800	14374	Fri	09990 00001 00000 35672	MFSK-16/20Bd	(AB)

XPA2	22-9	0820	14974	Fri	09990 00001 00000 35672	MFSK-16/20Bd	(AB)
XPA2	22-9	0840	16274	Fri	09990 00001 00000 35672	MFSK-16/20Bd	(AB)
XPA2	22-9	1100	13431	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-9	1120	12131	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-9	1140	11431	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-9	1800	16351	Fri	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	22-9	1820	14851	Fri	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	22-9	1840	13951	Fri	00328 00212 05283 ... 90453 72704 43651	MFSK-16/20Bd	(AB)
XPA2	23-9	0730	17422	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	23-9	0740	16271	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	23-9	0750	15807	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	23-9	0910	15859	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	23-9	0930	14659	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	23-9	0950	13459	Sat	09304 00174 48173 ... 90970 16807 51634	MFSK-16/20Bd	(AB)
XPA2	23-9	1500	14373	Sat	03987 00001 00000 41263	MFSK-16/20Bd	(AB)
XPA2	23-9	1520	13373	Sat	03987 00001 00000 41263	MFSK-16/20Bd	(AB)
XPA2	23-9	1540	11573	Sat	03987 00001 00000 41263	MFSK-16/20Bd	(AB)
XPA2	24-9	0800	14374	Sun	08768 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	24-9	0820	14974	Sun	08768 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	24-9	0840	16274	Sun	08768 00001 00000 41267	MFSK-16/20Bd	(AB)
XPA2	24-9	1200	13914	Sun	09683 00001 00000 35671	MFSK-16/20Bd	(AB)
XPA2	24-9	1220	15814	Sun	09683 00001 00000 35671	MFSK-16/20Bd	(AB)
XPA2	24-9	1240	16314	Sun	09683 00001 00000 35671	MFSK-16/20Bd	(AB)
XPA2	25-9	0700	12152	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	25-9	0720	13552	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	25-9	0740	13952	Mon	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	25-9	0910	18206	Mon	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	25-9	0930	16329	Mon	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	25-9	0950	15824	Mon	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	25-9	1500	14373	Mon	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB)
XPA2	25-9	1520	13373	Mon	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB)
XPA2	25-9	1540	11573	Mon	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB)
XPA2	26-9	0500	10221	Tue	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	26-9	0520	11121	Tue	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	26-9	0540	12221	Tue	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	26-9	1100	13431	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	26-9	1120	12131	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	26-9	1140	11431	Tue	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	26-9	1200	13914	Tue	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB)
XPA2	26-9	1220	15814	Tue	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB)
XPA2	26-9	1240	16314	Tue	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB)
XPA2	26-9	1600	13887	Tue	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)

XPA2	26-9	1620	13387	Tue	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)
XPA2	26-9	1640	11587	Tue	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)
XPA2	27-9	0700	12152	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	27-9	0720	13552	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	27-9	0740	13952	Wed	00254 00105 87901 ... 72977 46972 24705	MFSK-16/20Bd	(AB)
XPA2	27-9	0910	18206	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	27-9	0930	16329	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	27-9	0950	15824	Wed	00618 00174 12056 ... 81339 83047 23253	MFSK-16/20Bd	(AB)
XPA2	27-9	1000	20243	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(PY)
XPA2	27-9	1010	19177	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	27-9	1020	18254	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(AB/sse)
XPA2	27-9	1030	17451	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	27-9	1040	15979	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	27-9	1050	14911	Wed	07480 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	27-9	1100	16117	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	27-9	1120	14917	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	27-9	1140	13517	Wed	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	27-9	1800	16351	Wed	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	27-9	1820	14851	Wed	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	27-9	1840	13951	Wed	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	28-9	0500	10221	Thu	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	28-9	0520	11121	Thu	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	28-9	0540	12221	Thu	06049 00092 35188 ... 20398 37680 06177	MFSK-16/20Bd	(AB)
XPA2	28-9	0910	15859	Thu	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)
XPA2	28-9	0930	14659	Thu	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)
XPA2	28-9	0950	13459	Thu	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)
XPA2	28-9	1100	16117	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	28-9	1120	14917	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	28-9	1140	13517	Thu	00386 00035 64464 ... 05647 74900 21323	MFSK-16/20Bd	(AB)
XPA2	28-9	1600	13887	Thu	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)
XPA2	28-9	1620	13387	Thu	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)
XPA2	28-9	1640	11587	Thu	00528 00241 70611 ... 34856 40138 862515	MFSK-16/20Bd	(AB)
XPA2	29-9	0800	14374	Fri	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	29-9	0820	14974	Fri	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	29-9	0840	16274	Fri	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	29-9	1100	13431	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	29-9	1120	12131	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	29-9	1140	11431	Fri	04046 00199 96209 ... 68613 64775 40173	MFSK-16/20Bd	(AB)
XPA2	29-9	1800	16351	Fri	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	29-9	1820	14851	Fri	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	29-9	1840	13951	Fri	00667 00238 28671 ... 54525 91986 74571	MFSK-16/20Bd	(AB)
XPA2	30-9	0910	15859	Sat	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)

XPA2	30-9	0930	14659	Sat	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)
XPA2	30-9	0950	13459	Sat	00571 00068 45604 ... 52476 86637 20437	MFSK-16/20Bd	(AB)
XPA2	30-9	1500	14373	Sat	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-9	1520	13373	Sat	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB/MPJ)
XPA2	30-9	1540	11573	Sat	07027 00196 34996 ... 36899 69313 25143	MFSK-16/20Bd	(AB/MPJ)
XPB1	1-9	1300	20017	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	1-9	1310	19317	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	1-9	1320	18037	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	1-9	1330	17417	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	1-9	1340	16217	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	1-9	1350	15817	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	2-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1130	11521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1200	14462	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1210	13962	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1220	13462	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1230	12162	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1240	11562	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-9	1250	10962	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1200	14462	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	4-9	1210	13962	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	4-9	1220	13462	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	4-9	1230	12162	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	4-9	1240	11562	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	4-9	1250	10962	Mon	Russian diplo.	MFSK-16	(AB)
XPB1	5-9	0500	13435	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0510	13935	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0520	14435	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0530	14835	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0540	15935	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0550	16225	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	1300	20017	Tue	Russian intel.	MFSK-16/20Bd	(AB)



XPB1	5-9	1310	19317	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	5-9	1320	18037	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	5-9	1330	17417	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	5-9	1340	16217	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	5-9	1350	15817	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	6-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1130	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0540	15935	Tue	Russian intel.	MFSK-16	(EW)
XPB1	12-9	0550	16225	Tue	Russian intel.	MFSK-16	(EW)
XPB1	12-9	1300	20017	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	12-9	1310	19317	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	12-9	1320	18037	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	12-9	1330	17417	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	12-9	1340	16217	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	12-9	1350	15817	Tue	Russian intel.	MFSK-16	(HFD)
XPB1	15-9	1300	20017	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	15-9	1310	19317	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	15-9	1320	18037	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	15-9	1330	17417	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	15-9	1340	16217	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	15-9	1350	15817	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	16-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1130	11521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-9	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	18-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB)

XPB1	18-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0500	13435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0510	13935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0520	14435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0530	14835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0540	15935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	0550	16225	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-9	1300	20017	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	19-9	1310	19317	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	19-9	1320	18037	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	19-9	1330	17417	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	19-9	1340	16217	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	19-9	1350	15817	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	20-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1130	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	22-9	1300	20017	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	22-9	1310	19317	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	22-9	1320	18037	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	22-9	1330	17417	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	22-9	1340	16217	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	22-9	1350	15817	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	23-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1130	11521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1210	13962	Sat	Russian intel.	MFSK-16	(AB)

XPB1	23-9	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0500	13435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0510	13935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0520	14435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0530	14835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0540	15935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0550	16225	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1300	20017	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	26-9	1310	19317	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	26-9	1320	18037	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	26-9	1330	17417	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	26-9	1340	16217	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	26-9	1350	15817	Tue	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	27-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1130	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	29-9	1300	20017	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	29-9	1310	19317	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	29-9	1320	18037	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	29-9	1330	17417	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	29-9	1340	16217	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	29-9	1350	15817	Fri	Russian intel.	MFSK-16/20Bd	(AB)
XPB1	30-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	30-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1130	11521	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-9	1250	10962	Sat	Russian intel.	MFSK-16	(AB)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-ATN	Ary Boender via remote rx Bonaire
AB-F	Ary Boender via remote rx France
AB-FIN	Ary Boender via remote rx Finland
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-ROU	Ary Boender via remote rx Romania
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
ChPa	Christer, Sweden
Dan	Daniel LU5EMM, Argentina
EL	EnryLol via Pryom
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-POL	Hans-Friedrich Dumrese via remote rx Poland
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)
JPL-J	JPL via remote rx Japan
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-D	Jim via remote rx Germany
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
Pof	Pofistal_975 via Priyom
PY	Pierre Ynard, France and via remote rx
R2GBA	R2GBA
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
SOB	Stig Ombord
sse	ssemkaz via Priyom
Subilo	Subilo
T101	RadiotehnikaT101 via Priyom
TM	Time Machine
WN	Wiliam Neelin

# 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

### Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russia	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

### Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, 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
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM10	Morse	?	

### Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK	China	M95, Q26, V26
X06	MFSK-6	Russia	
XPA1	MFSK-20	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1

### 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

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
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
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
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c



# COLOPHON

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- NUMBERS & ODDITIES <http://www.numbersoddities.nl>
  - SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>
  - UDXF - UTILITY DXERS FORUM <http://www.udxf.nl>
  - HF UNDERGROUND <http://www.hfunderground.com/board/>
  - PRIYOM <http://priyom.org/>
  - ENIGMA <http://www.signalshed.com/>
- NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

To become a UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

```
676 27364 92656 89428 61268 74982 36498 32764 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 11
591 87364 87265 96718 27638 12673 84769 28743 98127 0
58 63298 75698 27465 87326 49876 28376 81273 98615 66
67 87432 74328 78674 29867 32867 67867 86786 43216 496
57 68768 68763 34234 34238 68768 62342 48273 48768 234
736 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 99867 32867 86743 43286 43286 43243 86
743 86743 86743 86743 86743 86743 86743 86743 86743 432
543 98798 98754 98754 98754 98754 29867 67543 67986 867
76 87698 69876 87698 69876 87612 12341 34867 86798 662
867 43298 65656 56756 56123 32143 14321 32143 14321 321
867 2787 58765 76587 58765 76587 58765 76587 58765 765
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N&O



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