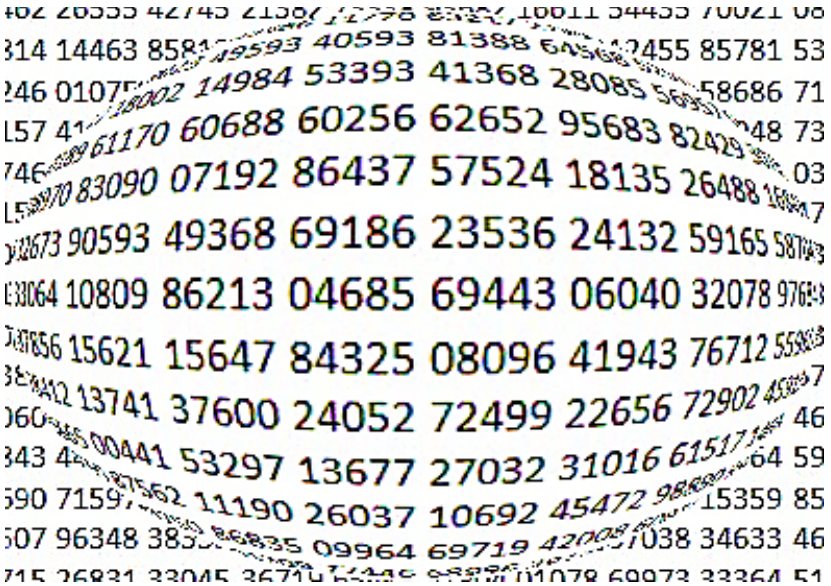


Numbers & Oddities

Edition #349, October 2026

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

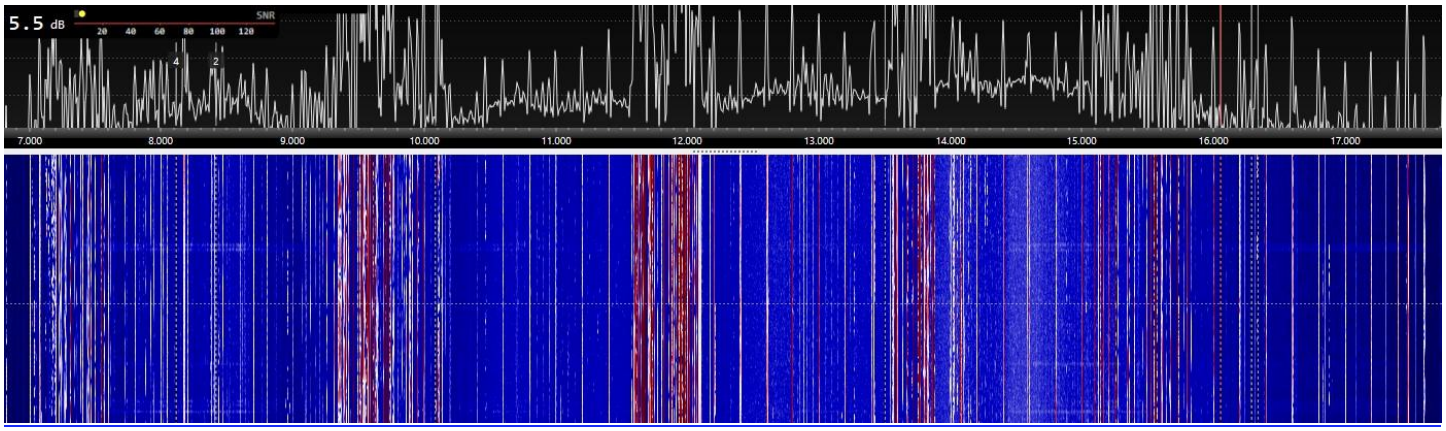
"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



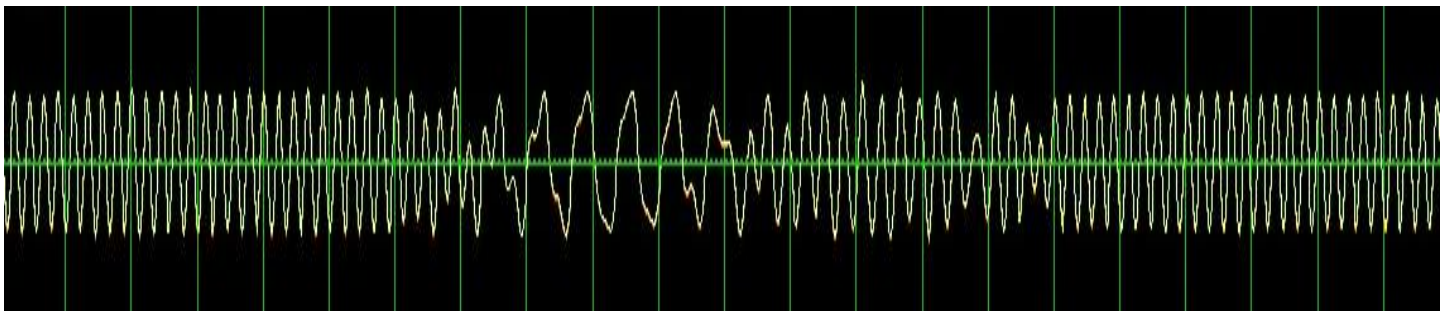
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Numbers and Oddities

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NOTE FROM THE EDITOR

The Russians held their periodic exercises in October, which are still ongoing in November. This has resulted in a large number of XPA2 transmissions, most of which I believe we have logged. Besides that, we received a lot of V28 and E25 and Russian operator 6 tests logs—thank you for those, and M23 was also very active. In total we received over 4000 !!! logs. There were a lot of duplicates, but in the end, 3669 unique logs remained. Thanks for all the contributions.

Logs database changes.
M42b is the designator for the RTTY transmissions with 50 lines separators (=50=, =100=, =150=, etc.).
Most of the stations logged as M42b are actually different stations. These have been removed from the logs database. The stations incorrectly logged as M42b are either Russian Point to Point (PtP) stations or diplo/intel stations (M42). Many of the PtP stations are civil stations, others are possibly related to (local) government, or the military. The PtP logs are not completely deleted but can be found on the N&O website in a file called PtP-logs. The incorrect M42b logs will still be in the 1978-2025 database till the end of the year. This is something I've wanted to do for a long time, but I didn't have the time or the motivation. But I've finally done it 😊



VOICE STATIONS

E07

17461/16161/14361 kHz, 16500/1520/1540 UTC

17461/16161/14361 kHz, 02-10, 1500/1520/1540 UTC
413 413 413 1 7507 73 7507 73
36107 53695 95541 15090 37477 19603 85202 77054 72852 83668
74404 79075 65242 98061 37834 72581 31481 64464 93187 99451
46729 61316 06704 83983 01864 75671 24086 38024 07079 09161
91444 18077 93291 67197 53409 71510 53331 24214 72657 78459
39671 22452 17410 97698 86362 34404 28269 41647 43891 82881
21400 42903 99867 52465 44950 06231 64620 28623 68228 43261
56980 47448 96528 45170 69948 69721 28259 48984 36511 34299
12643 00631 77338 000 000

17461/16161/14361 kHz, 13-10/16-10, 1500/1520/1540 UTC
413 413 413 1 9755 111 9755 111
67075 12671 24976 68001 42767 31481 45413 72931 25591 95161
52339 06987 41273 71935 45745 39081 24558 52101 25653 93208
14546 50813 14833 26141 87933 92745 02183 76381 36621 09601
51210 20875 79981 67389 07640 76230 62864 02213 79360 77723
57461 12966 23109 44414 94291 24364 17240 38154 57177 45799
71609 64936 86756 97452 59239 76767 11094 96149 19193 68152
80077 20797 08650 61563 89962 14843 33039 53133 61496 67121
61877 44888 31379 96101 26805 12503 98485 20480 86832 96572
43656 45961 39704 54801 66709 32780 22031 39562 22313 48541
93131 14339 54515 92425 01539 45639 55297 99190 17256 56447
99426 28872 48430 48948 74906 32531 94178 55983 36342 25663
38032 000 000

17461/16161/14361 kHz, 27-10/30-10, 1500/1520/1540 UTC
413 413 413 1 3882 162 3882 162
94192 68280 17251 66234 69900 40074 65978 63714 03267 61137
82315 39120 88679 22650 00086 96464 78754 95902 28667 79899
46055 13443 61392 84756 77089 55706 19366 99910 25221 31461
63067 65901 71599 11574 85956 48164 67073 23597 74967 61483
86896 54348 00499 03974 74662 93977 42187 27071 14838 16856
36055 02733 46606 43401 17923 70264 76515 75266 78920 41970
95419 91621 96668 74297 09763 21079 87869 26179 05046 71143

26350 79958 47973 15326 05628 07263 24990 30192 80257 67868
78432 75972 50912 47654 71159 82206 77891 62602 94992 94220
91699 44020 34421 33820 73472 31183 00326 98990 56411 79116
42914 49694 19176 41487 24440 49550 43826 21302 95606 00755
52339 01255 16210 93374 76690 85339 14470 64793 38030 76158
60017 74090 24524 30732 35126 81774 30827 72358 14957 64458
42648 93172 09566 77514 74475 02050 50751 65674 95162 54049
10701 79301 71899 75731 82200 29433 45216 50542 00282 15524
72324 92077 76097 66620 03229 46913 45576 57439 04486 43524
91087 59203 000 000

17456/16291/14893 kHz, 1000/1020/1040 UTC

17456/16291/14893 kHz, 08-10/10-10, 1000/1020/1040 UTC
428 428 428 1 8992 155 8992 155
78580 22107 55448 04167 06067 22998 08283 64795 43288 95045
80051 29884 47123 99420 74019 79617 02101 90031 04156 04615
77991 81025 94195 26459 08990 54476 55388 19701 73872 65027
14701 07727 77873 83003 38864 51402 46262 38950 03785 28536
06020 38173 53547 76219 95947 89405 43794 48266 01957 79208
60739 98095 97474 86523 74559 12277 15810 80917 15132 82738
56137 59371 69228 59524 04432 86192 99235 17559 29494 25683
89300 13017 63025 46108 71080 20238 79231 86772 15554 85157
67350 46823 83666 36437 48025 24876 40806 02195 94350 95963
86853 20134 21243 50754 02722 44527 14640 33795 96515 67879
41861 75823 68640 53105 10300 64704 03147 35858 93233 43849
54707 42486 55945 32966 71648 59367 25933 42555 20704 51419
19361 04753 45820 26628 43264 43357 53827 76189 15878 91073
43244 37812 32195 70305 01620 68448 22775 34470 01925 76374
77041 00405 93769 33531 95719 31178 23273 39516 09730 98121
96656 85807 41251 71625 62783 000 000

17456/16291/14893 kHz, 22-10/25-10, 1000/1020/1040 UTC
428 428 428 1 5349 224 5349 224
49396 53893 46269 10585 66258 36053 71216 42416 07172 72762
74210 54774 52310 74327 27823 30716 56427 44948 82125 43421
09216 11023 53590 88186 93729 68184 73533 84411 33640 60873
33923 29505 76777 98884 77617 36530 58690 66531 65641 28946
04661 88167 31584 26757 20466 81879 89859 70007 28487 50819
17733 18376 47550 06734 79049 91889 96358 91503 11560 85529
41101 10233 22726 54779 88719 76324 42237 47679 25354 84294
07739 65392 43288 49011 38120 41381 35639 42371 72241 68987
73439 97551 41490 31139 50925 14838 50353 56267 61033 32788
06976 16182 84385 75531 00736 04437 86691 05583 80756 10793
35362 65375 94237 78578 09270 10797 92727 06665 36230 57444
51040 73452 61147 02284 40618 86499 47130 98513 27375 08640
05726 16901 48462 41373 27428 14579 62099 34376 27821 75560
76032 92001 34290 09127 41256 46363 93192 94524 60019 41350
31751 17054 15062 19208 02131 23430 68487 54574 68972 72690
54351 03410 92502 24806 29456 31397 14201 54529 55071 89043
17882 98236 48368 63075 87308 55877 60159 84426 74659 54336
25016 64454 78572 84233 82133 85299 80784 47433 21991 18713
34321 58481 93986 88938 81073 83006 00602 32336 24422 86864
11107 70463 12597 11616 62056 88514 30993 50215 16710 00202
92554 23428 81032 41654 08371 21863 14262 33876 48790 01669
04530 59844 71375 77592 39820 66732 22796 42335 79905 94997
55718 20183 78544 96252 000 000

E11a

10330 kHz, 01-10, 1530 UTC
266/30 Attention
27242 12713 22208 37095 96707 67144 97866 21016 13275 81117
91855 51599 30252 95857 42925 04345 43377 82633 93397 07864
24871 28055 97141 03677 78287 22231 96669 01698 84998 12959
Attention (message repeated) Out

7317 kHz. 01-10, 1900 UTC
649/35 Attention
83188 74007 83148 08279 35676 87297 81038 74673 97501 00369
01830 39666 25827 99865 05142 60118 77681 85741 94751 32645
79413 65501 27082 93737 82050 37456 33448 60516 82851 02874
21435 30874 24014 52095 59073
Attention (message repeated) Out

8180 kHz, 02-10, 0700 UTC
570/31 (R) Off after 2min

10213 kHz, 02-10, 0715 UTC
630/35 Attention
67684 35158 28051 55451 46956 90352 88515 34592 67036 56761
67098 21123 26403 61686 95775 98225 96060 16542 62543 28401
11145 70249 78736 86764 11531 10241 13068 18230 02610 44900
14261 84356 97514 42850 51037
Attention (message repeated) Out

12630 kHz, 05-10/07-10, 0315 UTC
259/31 Attention
52450 88621 39711 15938 78194 30507 68804 16443 68198 85169
06113 74739 18736 58423 34518 41957 98744 96815 59195 54363
92880 82106 72004 51009 84844 03904 45401 89553 67649 75615
68658
Attention (message repeated) Out

5371 kHz, 05-10/08-10, 1300 UTC
311/39 Attention
47980 84796 79038 65489 34351 64682 71897 56050 40378 68785
95326 73237 28699 32461 97974 64037 15395 05354 97098 54728
22820 75441 11356 53456 63452 56483 33737 33638 81773 66184
70356 93127 94938 16954 09292 71120 28662 09085 04175
Attention (message repeated) Out

7317 kHz, 05-10/08-10, 1900 UTC
644/37 Attention
03860 22978 19991 04672 55185 88702 96067 95466 17197 16027
35816 75778 88961 20223 91832 81314 07116 76615 35764 82681
60630 51573 76522 26235 52902 91893 06881 35953 16815 40833
93510 35993 10533 07434 81457 72063 03088
Attention (message repeated) Out

9399 kHz, 06-10, 1205 UTC
461/37 Attention
26842 60857 71563 75511 26116 91696 11065 18022 82171 39310
14187 80054 70379 78768 40579 90910 88831 90587 06047 88750
57034 75176 09583 20631 38368 50304 15349 24902 67166 03011
36211 79562 04781 14654 80434 29907 32040
Attention (message repeated) Out

5176 kHz, 06-10/11-10, 1605 UTC
235/32 Attention
32346 17890 75274 80046 26101 33980 84586 57332 54777 37086
01275 15014 68221 35624 70495 04788 54387 54070 54446 18996
63516 09209 33243 64854 57372 81160 56178 04368 96653 92788
28646 96934
Attention (message repeated) Out

9399 kHz, 07-10, 1205 UTC
461/37 Attention
26842 60857 71563 75511 26116 91696 11065 18022 82171 39310
14187 80054 70379 78768 40579 90910 88831 90587 06047 88750
57034 75176 09583 20631 38368 50304 15349 24902 67166 03011
36211 79562 04781 14654 80434 29907 32040
Attention (message repeated) Out

6923 kHz, 07-10/09-10, 1715 UTC
975/40 Attention
38517 39144 81345 91819 91720 70622 60411 88612 10639 72263
39887 25415 71722 45809 07600 83711 56832 07632 39260 86858
92121 27773 95445 58456 50094 21693 20187 39892 36614 17422
48920 72042 89762 02333 54176 01908 49729 29601 68071 99632
Attention (message repeated) Out

11116 kHz, 09-10/11-10, 1815 UTC
921/32 Attention
73878 29312 32031 47351 19448 07015 72060 02341 03389 71451
10489 11074 74324 51493 80947 97334 92607 73944 13927 62604
08643 86392 30929 04338 79783 03635 21272 57341 69104 90979
09341 37947
Attention (message repeated) Out

8530 kHz, 09-10/11-10, 1910 UTC
618/31 Attention
92626 32901 67501 35971 86366 29405 31066 45143 73348 00929
75253 86468 20030 15341 81025 82301 87169 49256 44249 82494
42961 64278 59643 62055 59907 71754 87174 79435 73726 92353
89296
Attention (message repeated) Out

9079 kHz, 10-10/11-10, 0700 UTC
495/35 Attention
39168 88601 87591 57928 55738 40995 02536 62598 47697 52900
47064 35358 36205 08731 08987 36791 03302 38598 81723 47281
82974 81543 60235 39818 53731 84998 86156 48927 97787 28321
12187 60122 60279 92108 76535
Attention (message repeated) Out

19515 kHz, 12-10/14-10, 0715 UTC
752/33 Attention
62999 19404 12748 75559 54189 16670 76998 41459 37099 10677
63817 38069 40376 02610 45313 70336 20085 01172 61679 65977
35224 26146 35479 45627 76719 18430 83542 41432 98683 46136
17971 81297 90959
Attention (message repeated) Out

12202 kHz, 12-10/14-10, 0845 UTC
718/32 Attention
28094 49736 00087 04238 35914 48979 19738 42805 37200 74694
54498 21071 05107 47347 47199 21341 58866 86987 91225 55245
87600 50570 25390 82690 78083 57609 78067 76652 73981 30115
40427 55842
Attention (message repeated) Out

13470 kHz, 12-10, 1745 UTC. Not repeated
242/38 Attention
07583 53417 48928 25624 94955 35523 23220 28149 23230 11331
15036 47514 71381 22236 25679 87454 81074 73486 07600 62924
68219 94007 96031 95016 00278 10181 04331 13670 00606 51655
43230 63621 58557 99780 03490 05789 45248 54528
Attention (message repeated) Out

12530 kHz, 13-10/15-10, 1230 UTC
334/32 Attention
26379 93546 43144 54936 38017 88471 86149 96722 39298 84079
18371 88421 91496 08377 72031 20687 77474 97294 95541 77369
99998 33497 20594 01783 65045 32700 76304 45744 80321 52806
03348 86975
Attention (message repeated) Out

17410 kHz, 14-10/16-10, 0745 UTC
344/35 Attention
54612 30493 62187 02172 49471 45506 09692 21969 93586 79180
93181 95640 39866 05647 85560 98908 96346 31678 88488 17975
67626 18533 20725 48689 99943 07958 52021 95641 05048 00082
62130 72397 04729 89492 72264
Attention (message repeated) Out

19184 kHz, 13-11/14-10, 0820 UTC
135/31 Attention
10634 85278 54484 44233 28158 96722 04729 01951 34250 44151
92105 30907 08305 31246 86455 24904 82393 16213 83571 70075
29176 35861 60087 09884 26399 98176 27358 49468 87702 64595
69231
Attention (message repeated) Out

6940 kHz, 14-10/15-10, 0930 UTC
276/34 Attention
86845 40769 59533 97725 18979 53195 87482 44793 25097 55374
49115 05160 32945 09779 33433 16498 92425 86491 13129 34242
69070 54115 02028 41905 68163 04252 45258 14837 76894 58589
88967 62924 06117 89190
Attention (message repeated) Out

13470 kHz, 18-10, 1745 UTC. New message
249/38 Attention
39356 59391 02496 55356 33979 95043 20362 97904 08487 69541
17185 23528 87779 88341 01371 09822 18019 23751 25477 26669
08592 45134 37099 20016 69371 89953 26330 60245 66994 92267
16863 56092 30498 54354 49383 62617 22426 05305
Attention (message repeated) Out

13470 kHz, 20-10/22-10, 0645 UTC
510/30 Attention
01809 54765 22901 40183 51944 31969 46400 51726 04254 60465
67563 33606 37554 88112 06340 75242 74459 65049 22784 07921
72805 49898 32983 24436 63356 72998 44903 57895 04291 56861
Attention (message repeated) Out

14972 kHz, 20-10/24-10, 1430 UTC
910/36 Attention
05633 13863 66491 88233 01526 79950 40974 61363 27934 28106
48510 15694 69012 99956 44550 95446 20331 43063 96491 47735
74496 92761 68167 67634 01195 96452 34764 22823 47562 84195
31985 01444 03414 74152 59981 77407
Attention (message repeated) Out

4181 kHz, 21-10/24-10, 1610 UTC
396/34 Attention
84921 95539 31601 66543 88862 91170 21938 06691 06452 90217
61441 89548 97815 85540 81988 46522 99006 31667 49501 11297
13242 08044 51975 44325 74133 83966 10681 45718 19159 19296
02367 05953 35740 32492
Attention (message repeated) Out

8680 kHz, 23-10/25-10, 0600 UTC
354/35 Attention
37826 73430 20257 27440 16988 64057 42799 23351 73152 07085
96952 97231 04790 38950 52577 59837 97751 85157 17505 08462
47126 69641 53960 10957 55373 89704 29539 44701 32850 26590
44380 09337 88235 76616 49872
Attention (message repeated) Out

4505 kHz, 24-10/25-10, 1645 UTC
365/33 Attention
85887 66233 66918 55875 37211 94918 37799 87620 69421 34416
86230 48279 61766 14462 88697 12341 63918 05106 28123 16754
95726 69732 19332 92065 83700 43543 74222 85335 27662 61480
52857 35516 24593
Attention (message repeated) Out

23353 kHz, 26-10, 0600 UTC
942/37 Attention
36491 96831 53780 13979 51308 07518 08497 98881 24448 99250
52361 89391 04770 35939 31890 74043 67787 97220 22795 81428
03383 27226 81051 84655 54839 00400 38778 33844 49341 83413
06734 87731 04454 73505 39211 18194 87451
Attention (message repeated) Out

9610 kHz, 26-10/28-10, 0645 UTC
418/32 Attention
78703 04464 84443 50063 26181 30503 47954 51665 30747 30244
80360 83009 53867 61745 57727 27734 73338 19395 49608 10768
48544 14527 87439 63319 19842 51640 86741 32973 79327 50814
98065 53105
Attention (message repeated) Out

10213 kHz, 26-10, 0745 UTC
266/36 Attention
51911 79834 70440 13038 25592 27880 24980 64840 85691 63291
09841 60859 48989 04166 12605 75223 31680 32359 59488 44041
97372 30286 43063 15270 45220 95416 90846 97665 56465 99319
95175 92700 56472 48280 99562 06125
Attention (message repeated) Out

20170 kHz, 26-10, 0830 UTC. Not repeated
183/33 Attention
46000 49295 56838 45208 44749 32251 30866 05707 59148 50707
58766 32326 88005 48007 16446 46563 25598 63147 47832 83900
61601 16024 09334 34689 60208 89992 73165 49341 64465 72660
47026 86717 52818
Attention (message repeated) Out

13117 kHz, 26-10/28-10, 0900 UTC
532/40 Attention
99710 11241 54832 48653 95346 89044 73509 07170 07512 53904
75419 60171 70012 63644 64430 17873 08126 50730 94049 10114
95782 37430 57131 94808 32366 04092 23334 70375 71824 34422
75728 93792 80029 55616 32171 09626 92670 58137 76177 34730
Attention (message repeated) Out

12385 kHz, 26-10, 1045 UTC
691/33 Attention
17812 56878 38435 50088 50492 32347 00909 43095 99443 73962
36882 26748 08886 60379 10187 58173 76554 04890 03604 69750
52186 75088 22900 99891 56756 12311 49890 17016 71908 12299
78667 91279 00417
Attention (message repeated) Out

8180 kHz, 27-10/29-10, 0700 UTC
579/32 Attention
29597 89280 12571 23057 44552 12897 83373 30946 23157 56779
03214 45224 07935 60808 55590 68776 00297 02461 66229 71261
89167 90753 10219 64491 97728 71855 56043 75451 17625 85388
38285 94619
Attention (message repeated) Out

10213 kHz, 27-10/30-10, 0715 UTC
630/32 Attention
74393 81153 51933 15131 63349 22471 67301 64612 43105 94633
29583 24947 25996 20663 42934 47605 16841 54488 64424 04885
11719 55377 27355 60133 65605 40917 26991 22416 68452 85802
86898 89726
Attention (message repeated) Out

26756 kHz, 27-10/29-10, 0745 UTC
229/37 Attention
14376 97711 42534 96003 54143 52431 27723 13989 45844 02588
73774 44601 18222 00609 99214 50724 49794 65791 33338 65674
90372 32305 65140 58522 85232 77996 28331 77903 55908 26112
51732 62189 93091 62206 63704 78647 94505
Attention (message repeated) Out

18168 kHz, 27-10/29-10, 0845 UTC
159/33 Attention
36825 96319 57135 69571 73164 23027 60740 51403 25643 19067
29711 42399 93723 29840 81380 03699 81296 57062 74620 04717
10587 35995 24474 87802 70832 25596 16312 16529 52277 94143
54897 24879 86276
Attention (message repeated) Out

9951 kHz, 27-10/30-10, 1000 UTC
300/38 Attention
76485 22454 13858 28794 80018 80255 68542 55710 78587 78836
71790 77311 28068 01362 55737 57285 15793 50619 13161 49967
23762 50594 74319 68264 58857 14923 00471 98676 66708 68619
50637 42001 83097 34925 16744 93666 26009 33072
Attention (message repeated) Out

23353 kHz, 28-10, 0600 UTC
948/33 Attention
48342 17334 24563 48677 84509 91040 00919 75866 50947 66799
49412 72499 47920 26625 93004 61804 93018 21386 53088 16930
48576 93478 62984 72817 11585 95848 78618 90892 17036 65379
93565 76971 91070
Attention (message repeated) Out

12385 kHz, 28-10, 1045 UTC
696/33 Attention
89702 65560 15531 63388 92365 65618 03704 94335 25851 04813
53321 98804 54595 13976 62838 75841 14003 32230 29436 61553
29869 41629 11773 33131 52751 85272 39218 89045 40125 03574
25067 34387 58817
Attention (message repeated) Out

8423 kHz, 29-10/30-10, 0720 UTC
438/35 Attention
03651 20113 57834 97060 07535 34802 96954 94744 25644 59815
97901 28776 25708 61765 40637 89679 20152 35543 32336 96315
00079 00355 42007 01963 18856 35349 34361 96815 28856 29605
24978 08315 90869 31664 57913
Attention (message repeated) Out
10330 kHz, 29-10, 1530 UTC
261/36 Attention
64075 81894 56028 63457 02853 20790 94035 90376 79081 33540
86875 41221 67476 83889 83032 39779 05635 87306 13956 56632
22390 90370 10487 94663 21093 95807 63470 04768 78139 95826
07728 51459 41890 43876 79727 69344
Attention (message repeated) Out

5737 kHz, 29-10, 2000 UTC
521/37 Attention
64497 40006 97131 64162 15909 73716 61938 96757 74520 02797
19319 06817 54537 78364 51555 07695 69411 46492 67626 60623
49442 87290 90862 82246 72615 05401 32813 55638 02904 22055
20247 93855 81665 03919 73110 32326 65503
Attention (message repeated) Out

20170 kHz, 30-10, 0830 UTC. New message
183/33 Attention
90322 74779 67172 51905 28196 67816 80086 11022 35653 90950
62458 31024 64325 52513 86449 74661 02944 15534 71818 04721
60555 50995 93524 48491 85271 19953 86374 60049 60525 49779
59145 49196 69462
Attention (message repeated) Out

E25

Here are Priyom's logs for the **E25-related** music station on 6140 kHz, AM. In the last couple of days of the month, the times have shifted to winter time, which was expected. This station does indeed use Egyptian time beyond any doubt, something E25 used to do before 2013, before the Egyptian summer time was abolished in Egypt.

A massive thanks goes to Subilo and qsr711. Included are also some logs from AB, Faa and SSD.

Here are the logs. 6140am in all cases. Highlighted logs indicate odd activity:

6140 kHz, 03-10, 1030 UTC	Carrier with music. Oum Kulthum - El Hob Koloh. Music ends 1056z, carrier left on.
6140 kHz, 03-10, 1059 UTC	2x Win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak. Music ends 1106z, carrier off soon after.
6140 kHz, 04-10, 1038 UTC	Carrier with music, in progress. Music cuts numerous times. Music off 1047z, carrier off 1059z.
6140 kHz, 05-10, 0837 UTC	Carrier with music, in progress.
6140 kHz, 05-10, 0957 UTC	2x Win7 nav start followed by music. Amr Diab - Enta Yally. Music ends 1000z, carrier left on.
6140 kHz, 05-10, 1015 UTC	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on.
6140 kHz, 05-10, 1028 UTC	2x win7 nav start sounds followed by music. Angham â€“ Omry Maak. Music ends 1033z, carrier off 1036z.
6140 kHz, 06-10	Not monitored, no reports.
6140 kHz, 07-10, 0830 UTC	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z, carrier off 0837.
6140 kHz, 07-10, 0958 UTC	Carrier with music. Amr Diab - Alby. Music ends 1001z, carrier off 30 seconds later.
6140 kHz, 08-10, 0925 UTC,	Oum Kulthum - Ya Messaharni.
6140 kHz, 08-10, 1014 UTC	Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard
6140 kHz, 08-10, 1059 UTC	Sabah - Ashka We Meskena
6140 kHz, 08-10, 0600 UTC	2x win7 nav start sounds followed by music. Sherine - Ala Eidak. Music gets a huge portion of it skipped, ending at 602z, followed by tx shutdown
6140 kHz, 08-10, 0900 UTC	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 955z, carrier left on.
6140 kHz, 08-10, 1015 UTC	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1020z, carrier left on.
6140 kHz, 08-10, 1058 UTC	2x win7 nav start sounds followed by music. Sabah - Ashka We Meskena. Music off 1105z, carrier left on until 1130z

6140 kHz, 09-10	No reports
6140 kHz, 10-10, 0827 UTC	Carrier with music in progress. Nagat - Ana Bastanak. Ends 0842z, carrier left on
6140 kHz, 10-10, 0932 UTC	Win7 logoff sound
6140 kHz, 10-10, 0940 UTC	Win 7 logon sound, followed by 2x win7 nav start, followed by music. Sherine - Elly Garehni. Ends 0944z, carrier left on
6140 kHz, 10-10, 0957 UTC	2x win7 nav start sounds followed by music. Mohammed Mounir - A Yasmarany. Music ends 1002z, carrier left on
6140 kHz, 10-10, 1028 UTC	2x win7 nav start followed by music. Oum Kulthum - El Hob Kolob. Music continues until 1058z, when it is replaced by the next song's slot.
6140 kHz, 10-10, 1058 UTC	Carrier with music. Shaimaa ElShayeb - Aw'edak. Ends abruptly at 1104z, followed by tx shutdown
6140 kHz, 11-10	Not monitored. No reports
6140 kHz, 12-10, 0830 UTC	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0847z, carrier left on.
6140 kHz, 12-10, 0938 UTC	Win7 logoff sound
6140 kHz, 12-10, 1000 UTC	Win7 logon sound followed by 2x win7 nav start, followed by music. Amr Diab - Enta Yally. Music ends 1005z, carrier left on
6140 kHz, 12-10, 1015 UTC	2x Win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on
6140 kHz, 12-10, 1033 UTC	Win7 nav start followed by music. Angham - Omry Maak. Music ends 1038z, carrier off 1040z
6140 kHz, 13-10, 0830 UTC	Carrier with music. Sherine - 3La Bali. Music ends 0834z, carrier off 0835z
6140 kHz, 13-10, 1045 UTC	Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1055z. carrier left on.
6140 kHz, 13-10, 1059 UTC	2x win7 nav start followed by music. Fairuz - Asameena. Music ends 1105z, carrier off 1114z
6140 kHz, 14-10, 0830 UTC	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music off 0834z, carrier off 0841z
6140 kHz, 14-10, 1000 UTC	Carrier with music. Amr Diab - Alby. music ends 1004z, carrier off shortly afterwards
6140 kHz, 15-10, 0900 UTC	Oum Kulthum: Ya Msaharny
6140 kHz, 15-10, 1015 UTC	Mohamed Abdel Wahab: Ala Chan Echouk Elli Felouard
6140 kHz, 15-10, 1100 UTC	Sabah - Ashka We Meskena
6140 kHz, 15-10, 0900 UTC	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music starts in progress, off at 0909z with tx shutdown
6140 kHz, 15-10, 1015 UTC	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard, music in progress on tx startup. Music off 1021z, carrier off 1023z
6140 kHz, 15-10, 1100 UTC	Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z, carrier off 1107z (Subilo/qsr711)
6140 kHz, 16-10	Monitored, no activity.
6140 kHz, 17-10, 0800 UTC	Oum Kulthum: Ana Fe Entezarak (unusual piece for this slot)
6140 kHz, 17-10, 0830 UTC	Warda: Haneen (unusual piece for this slot)
6140 kHz, 17-10, 0938 UTC	Sherine - Elly Garehni
6140 kHz, 17-10, 0958 UTC	2x Windows 7 nav start sound followed Moahammed Mounir: A Yasmarany
6140 kHz, 17-10, 1028 UTC	2x Windows 7 nav start sound followed Oum Kulthum: El Hob Koloh
6140 kHz, 17-10, 1100 UTC	2x Windows 7 nav start sound followed Shaimaa ElShayeb: Aw'edak
6140 kHz, 17-10, 0800 UTC	Carrier with music. Oum Kulthum - Ana Fe Entezarak (not logged before). Music ends 0809z, carrier left on.
6140 kHz, 17-10, 0830 UTC	Carrier with music. Warda - Haneen (not logged before). Music ends 0838z, carrier off 0840z
6140 kHz, 17-10, 0938 UTC	Carrier with music. Sherine - Elly Garehni. Music ends 0943, carrier left on.
6140 kHz, 17-10, 0958 UTC	2x Win7 nav start followed by music. Moahammed Mounir - A Yasmarany. Music ends 1005z, carrier left on.
6140 kHz, 17-10, 1028 UTC	2x win7 nav start sounds followed by music. Oum Kulthum: El Hob Koloh. Music ends abruptly 1059z followed by next slot's song
6140 kHz, 17-10, 1100 UTC	2x win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak. Music ends 1105z, carrier off 1107z
6140 kHz, 18-10, 0730 UTC	Carrier already up from previous broadcast (700z, not recorded). Carrier with music. Shaimaa ElShayeb - Baeed Anak. Music off 0738z, carrier off shortly afterwards
6140 kHz, 18-10, 0830 UTC	Carrier with music. Bahaa Sultan - Ehlef. Music ends abruptly 0833z followed by tx shutdown
6140 kHz, 18-10, 0930 UTC	Carrier with music. Mohamed Mohy - Etkallem Alaya. Music ends 0935z, carrier off 0937z
6140 kHz, 18-10, 1000 UTC	Carrier with music. Oum Kulthum - Alf Lela We Lela starts playing by mistake. 2x win7 nav start while music is playing, and music is changed to Amr Diab - Betghany Le Min, which is the correct one for that slot. Music off 1005z, carrier left on
6140 kHz, 18-10, 1028 UTC	2x win7 nav start sounds followed by music. Oum Kulthum - Alf Lela We Lela starts playing right from the point the track stopped at 1000z. Music ends 1047z with tx shutdown shortly afterwards
6140 kHz, 19-10, 0700 UTC	Win7 nav start sound followed by music. Sherine - El Qamas. Music ends 0702z, carrier off 0705z
6140 kHz, 19-10, 0830 UTC	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0920z, carrier left on
6140 kHz, 19-10, 0956 UTC	Carrier with music. Amr Diab - Enta Yally. Music ends 1001z, carrier left on
6140 kHz, 19-10, 1015 UTC	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1019z, carrier left on
6140 kHz, 19-10, 1027 UTC	Carrier with music. Angham - Omry Maak. Music ends abruptly at 1032z with tx shutdown
6140 kHz, 20-10, 0615 UTC	Carrier with music. Oum Kulthum - Enta Omri with reverberation and more Oum Kulthum pieces. Music ends 0713z followed by next slot's song
6140 kHz, 20-10, 0713 UTC	Carrier with music. Bahaa Sultan - Ya Tara. Music ends 0718z, carrier left on

6140 kHz, 20-10, 0813 UTC Win7 logoff sound
6140 kHz, 20-10, 0828 UTC win7 logon sound, 2x nav start, followed by music. Sherine - 3La Bali. Music ends 0833z, carrier left on until 0841z
6140 kHz, 20-10, 0848 UTC Carrier back up. A couple seconds of "Mohammed Fouad - Habibi Ya" play. Mistake? Carrier left on
6140 kHz, 20-10, 1014 UTC Win7 logoff sound, followed 30s later by a win7 logon sound
6140 kHz, 20-10, 1027 UTC Win7 nav start followed by music. Amr Diab - Wala El Layali Tehon. Win7 nav start sounds while music plays. Music ends 1031z, carrier left on
6140 kHz, 20-10, 1043 UTC Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1059z with next slot's song
6140 kHz, 20-10, 1059 UTC Carrier with music. Fairuz - Asameena. Music ends 1104z followed by transmitter shutdown
6140 kHz, 21-10, 0827 UTC Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0831z, carrier off 0833z
6140 kHz, 21-10, 1018 UTC Carrier with music. Amr Diab - Alby. Out of schedule, should have sent 1000z. Music ends 1022z, carrier off 1023z
6140 kHz, 22-10, 0900 UTC Oum Kulthum: Ya Msaharny
6140 kHz, 22-10, 0558 UTC Carrier with music. Sherine - Ala Eidak. Music off 0602z, carrier off shortly afterwards
6140 kHz, 22-10, 0857 UTC Carrier with music. Oum Kulthum - Ya Msaharny. Music ends 0953z, carrier left on
6140 kHz, 22-10, 1014 UTC 2x win7 nav start followed by music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1020z, carrier left on
6140 kHz, 22-10, 1059 UTC win7 nav start followed by music. Sabah - Ashka We Meskena. Music ends 1104z, carrier off 1106z
6140 kHz, 2026-10-23 Monitored, no activity.
6140 kHz, 24-10, 0757 UTC Oum Kulthum: Ana Fe Entezarak (unusual piece for this slot)
6140 kHz, 24-10, 0828 UTC Nagat: Ana Bastanak
6140 kHz, 24-10, 0827 UTC Win7 nav start followed by music. Nagat - Ana Bastanak Live. Music ends 0844z, carrier off 0859z
6140 kHz, 24-10, 0938 UTC Carrier with music. Sherine - Elly Garehni. Music ends 0942z, carrier left on
6140 kHz, 25-10, 0957 UTC Amr Diab - Betghany Le Min
6140 kHz, 25-10, 0657 UTC Carrier with music. Sherine - Btamenak (Bi Kelma Menak). Music restarts after 1 minute. Music ends 0702z, carrier left on
6140 kHz, 25-10, 0728 UTC 2x win7 nav start followed by music. Shaimaa ElShayeb - Baeed Anak. Music ends 0735z, carrier left on
6140 kHz, 25-10, 0827 UTC 2x win7 nav start followed by music. Bahaa Sultan - Ehlef. Music ends 0831z, carrier left on
6140 kHz, 25-10, 0926 UTC Win7 nav start followed by music. Mohamed Mohy - Etkallem Alaya. Music ends 0931z, carrier left on
6140 kHz, 25-10, 0956 UTC Carrier with music. Amr Diab - Betghany Le Min. Music ends abruptly at 0959z with transmitter shutdown
6140 kHz, 25-10, 1101 UTC Win7 startup followed by win7 nav start, followed by music. Oum Kulthum â€“ Alf Lela we Lela. Music ends abruptly 1103z, followed by transmitter shutdown. Possibly out of schedule
6140 kHz, 26-10, 0831 UTC Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0842z, carrier off 10 seconds later
6140 kHz, 26-10, 1000 UTC Carrier with music. Amr Diab - Enta Yally. Music ends 1004z, carrier left on
6140 kHz, 26-10, 1015 UTC 2x win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Win7 nav start after music ends. Music ends 1021z, carrier left on
6140 kHz, 26-10, 1030 UTC Carrier with music. Angham - Omry Maak. Music ends 1034z with tx shutdown
6140 kHz, 27-10, 0828 UTC Carrier with music. Sherine - 3la Bali. Music ends 0832z, carrier off 0842z
6140 kHz, 27-10, 1030 UTC Carrier with music. Amr Diab - Wala El Layali Tehon. Music ends 1034z, carrier off 1036z
6140 kHz, 27-10, 1044 UTC 2x win7 nav start followed by music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1053z, carrier left on
6140 kHz, 27-10, 1100 UTC Carrier with music. Fairuz - Asameena. Music ends 1106z, carrier off 1110z
6140 kHz, 28-10, 0830 UTC Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z, carrier off 0839z
6140 kHz, 28-10, 1000 UTC Carrier with music. Amr Diab - Alby. Music ends 1004z, carrier off shortly after
6140 kHz, 29-10, 0900 UTC Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 0913z, carrier off soon after
6140 kHz, 29-10, 1018 UTC Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1023z, carrier left on
6140 kHz, 29-10, 1100 UTC Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z with carrier shutdown
6140 kHz, 2026-10-30 No activity. Switch to winter time.
6140 kHz, 31-10, 0857 UTC Carrier with music. Mouhammed Fawzy - Shahat El Garam. Music ends 0904z, carrier left on
6140 kHz, 31-10, 0930 UTC Carrier with music. Nagat - Ana Bastanak live. music ends 0938z, carrier left on
6140 kHz, 31-10, 1040 UTC Carrier with music. Sherine - Elly Garehni. Music ends 1043z, carrier left on
6140 kHz, 31-10, 1102 UTC 2x win7 nav start followed by music. Mohammed Mounir - A Yasmarany. Music ends 1107z, carrier left on
6140 kHz, 31-10, 1130 UTC win7 nav start followed by music. Oum Kulthum - El Hob Koloh. Recording ends while it's in progress, so no end time

S06

11616/9322 kHz, 30-09, 0400/0420 UTC
11616/9322 kHz, 01-10, 0400/0420 UTC
480 321 40
92952 52587 61569 87707 85394 38128 94896 27296 72211 37209
99559 18314 85111 38030 96125 17603 22497 72036 57707 64019
50927 14967 71472 04486 91828 14166 50190 58094 91900 34351
48584 29104 00647 39032 39159 29818 03474 49758 77183 49248
321 40

480 967 15
64737 41302 08616 12751 21979 89422 50852 92565 66466 50150
02094 67554 39123 21050 89884
967 15 00000

11616/9322 kHz, 02-10, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 05-10/06-10, 0400/0420 UTC
480 251 60
70072 76855 62551 72215 62906 35467 55050 68139 90835 22432
55289 40450 28486 89248 95052 94529 09170 18466 19581 94054
14541 00753 91665 75200 11488 78078 26311 13805 57677 07700
29398 12243 05401 26629 38796 98913 66749 21282 91345 56825
25772 31988 64161 23870 08532 47054 63689 31860 47021 66060
60953 76519 97852 37087 96433 35612 01680 97556 03008 77410
251 60 00000

11616/9322 kHz, 07-10/08-10, 0400/0420 UTC
480 132 40
68855 00189 89763 65110 06063 88186 03988 74822 19949 34599
51616 74780 40698 38226 53593 48312 15718 34625 44783 57142
17014 65928 32584 13548 39235 32808 36859 02031 11416 41029
90989 97852 13153 13537 39454 47269 38156 02134 33534 05042
132 40

480 293 15
17180 30214 74674 96522 24246 52473 00516 75689 40271 00491
65938 46232 28724 12309 97924
233 15 00000

11616/9322 kHz, 09-10, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 12-10/13-10, 0400/0420 UTC
480 567 52
01553 77406 92034 58214 60481 84537 72837 01532 41451 50664
06645 70322 03608 49621 28134 40489 14031 29669 17937 86841
80048 68832 48090 54114 23062 37763 65089 15967 92307 62306
71471 26667 41999 02960 91875 95124 20287 93421 34510 35994
43472 05402 83970 77494 53905 31889 86337 30676 85028 06073
12505 49781
567 52 00000

11616/9322 kHz, 14-10/15-10, 0400/0420 UTC
480 675 31
34839 02789 41477 06985 06691 50277 39504 97204 44066 97722
25577 01789 87995 71936 17033 98810 60761 18873 91378 89639
11447 75134 62546 73006 60020 32143 20541 38966 25896 22689
82897
675 31

480 931 28
23864 04878 70716 91969 24553 74269 57844 80682 94737 64445
35758 59227 01379 12436 75715 89425 56284 65833 33439 13640
65007 96027 59003 22941 61381 39644 47828 30825
931 28 00000

11616/9322 kHz, 16-10, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 19-10/20-10, 0400/0420 UTC
480 219 52
17504 89313 72050 09263 63501 53113 06108 84829 17619 54634
15939 82903 41542 86853 64155 80190 12041 74798 56828 86715
52550 77227 70633 75284 49232 10669 91806 70014 62444 50518
40360 61180 69554 88862 77981 38449 00043 53743 23071 59811
48826 19522 21340 98328 78740 63052 45413 33896 48124 45340
21872 82217
219 52 00000

11616/9322 kHz, 21-10/22-10, 0400/0420 UTC
480 367 25
59205 87590 14809 92618 91566 67274 32994 34242 12443 31822
38497 85245 33236 06382 72752 06293 99729 07148 28138 91281
16447 06911 94453 93484 46109
367 25

480 592 30
89641 32364 28922 75761 01927 76101 06335 92313 11320 52237
12848 53944 64323 39060 43783 31679 63105 57642 30645 88712
27629 01226 81809 52921 00453 77992 90111 22946 23899 15645
592 30 00000

11616/9322 kHz, 23-10, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 26-10/27-10, 0400/0420 UTC
480 361 52
07941 08159 64568 38268 65350 20259 50228 91884 57580 89947
80323 45442 14883 94627 47603 66364 67803 29199 12380 60296
39955 63645 59216 98271 02595 09704 99020 70930 64466 63801
52481 49476 95328 18454 75801 58054 06610 59302 14641 87249
37638 89985 97229 03383 20864 52032 02573 33290 24534 31959
64693 29288
361 52 00000

11616/9322 kHz, 29-10/30-10, 0400/0420 UTC
480 729 31
74123 90462 79278 12108 05279 92557 83902 93038 04804 74347
61917 63175 50173 32145 12769 48060 59488 23837 04420 32186
45512 77267 67862 06907 27900 68713 77136 90473 52499 56716
00678
729 31

480 163 24
69595 37905 61724 50438 16798 88342 63208 33563 09911 66666
44614 38874 15286 38826 86367 20266 34910 45129 29520 17685
71360 51373 14380 18767
163 24 00000

11616/9322 kHz, 30-10, 0400/0420 UTC
480 480 480 00000

Russian operator 6 tests

Activity on October 25, 26, 27 and 28 October: E06 346, V06, 1200Hz and 800Hz tones were noted, even cell phone interference.

S06: 10755 kHz, 25-10, 1456 UTC	975 (R), test tones
G06: 10755 kHz, 25-10, 1508 UTC	975 (R), test tones
S06: 10755 kHz, 25-10, 1511 UTC	975 (R), dashes, test tones
G06: 10755 kHz, 25-10, 1515 UTC	975 (R)
G06: 10755 kHz, 25-10, 1440 UTC	test tones 975 (moved to 10475 kHz at 1536z, and the to 10477 kHz at 1544z. Back to 10755 khz at 1611z)
E06: 10755 kHz, 25-10, 1611 UTC	346 (R2m) 197 197 111 00000 00000
G06: 10755 kHz, 26-10, 1131 UTC	975 (R), Windows shut down sound
E06: 10755 kHz, 26-10, 1317 UTC	111 (R) test ton
V06: 10755 kHz, 26-10, 1337 UTC	975 (moved to 9220 kHz at 1359z)
G06: 10755 kHz, 27-10, 1025 UTC	975 (R) 711 54 27822 49233 99406 16390 00261 60822 40623 21672 27323 22607 95731 44431 97538 00000 followed by several Windows sounds
E06: 10755 kHz, 27-10, 1048 UTC	111 111 00000 (R 10m) Test tones 975 (R) 000 000 00 00 1111 00088 19644 ___44 09362 18416 931_4 93169 47179 92799 74863 28513 85412 26938 46447 79211 00942 64742 24612 14168 11111 00022 Test tones Windows sounds Unreadable voices
10755 kHz, 27-10, 1106 UTC	Windows sounds
10755 kHz, 27-10, 1112 UTC	Test tones. Windows sounds
10755 kHz, 27-10, 1116 UTC	Windows sounds
10755 kHz, 27-10, 1118 UTC	Windows sounds
E06: 10755 kHz, 27-10, 1131 UTC	975 000 000 00000 11111 11111 975 ... ..33 97582 74933 59255 81933 33722 9162 24813 __68 11111 00000 11111 00000 975 Windows sounds
10755 kHz, 27-10, 1146 UTC	Test tone. Windows sound
G06: 10755 kHz, 27-10, 1149 UTC	975 (R) ... (unreadable) . Test tone at 1151z
G06: 10755 28-10-2026 0847 UTC	975 (R 2m)

S11a

19606 kHz, 07-10/09-10, 0735 UTC
385/36 Vnimaniye
50211 38282 84176 99512 69109 03457 82534 69269 50834 07181
80158 85377 93702 95860 06647 24380 65634 17576 79638 95816
46198 71964 24196 46152 27907 81277 91748 11996 50908 85735
35959 34305 04652 23163 93127 03108
Vnimaniye (message repeated) Konets

10213 kHz, 07-10, 1850 UTC. Not repeated. Very weak. Contains probably errors
285/31 Vnimaniye
38617 15624 53214 99444 19902 16476 40427 24843 49452 62386
54113 52481 47188 91461 55878 23524 40387 89369 99831 15343
87033 76390 20185 18938 25840 51417 47897 30894 44789 64036
87869
Vnimaniye (message repeated) Konets

10213 kHz, 10-10, 1850 UTC. New message
282/31 Vnimaniye
98350 97235 70616 77368 29168 71535 11607 13740 02101 65763
09066 71375 13731 28404 46085 01464 79464 81077 01530 86242
12344 34558 70039 40774 00171 89124 47826 80976 40034 58574
30361
Vnimaniye (message repeated) Konets

11420 kHz, 13-10/16-10, 1400 UTC
420/37 Vnimaniye
34612 63684 15904 29621 17466 76397 87253 04357 71212 10640
57284 73393 49134 98577 70827 61804 37368 23562 69441 32824
03723 45557 13203 29948 39176 29268 25093 03536 38892 45815
56107 53053 37177 84566 20241 88453 87234
Vnimaniye (message repeated) Konets

10728 kHz, 20-10/22-10, 0445 UTC
799/40 Vnimaniye
37493 66236 60604 35522 17930 21440 33903 11952 13434 61276
27455 98241 62748 78878 46445 56790 70042 16297 86420 83868
76208 33830 71961 62042 62145 60804 89780 69854 31051 80829
28936 61826 70264 05618 81123 67863 08343 11506 86416 96765
Vnimaniye (message repeated) Konets

8597 kHz, 19-10/22-10, 0700 UTC
470/39 Vnimaniye
33684 73561 26579 82789 90194 37628 53945 13099 13487 57832
44194 67971 95489 17648 26520 04554 35507 25370 59451 64572
55190 87768 81610 07061 12744 18718 43842 05009 84914 25794
82179 88692 40436 25046 49059 32627 96798 60097 41501
Vnimaniye (message repeated) Konets

6480 kHz, 19-10/22-10, 0915 UTC
483/38 Vnimaniye
18405 60029 83607 29920 61902 43656 66739 85102 08056 63783
47785 35751 20391 99848 35256 96153 61927 57312 87288 60090
06243 17263 77059 81322 00358 04186 43981 10483 83020 73524
98997 63461 91214 81766 85398 77522 68475 54282
Vnimaniye (message repeated) Konets

23004 kHz, 26-10/18-10, 0510 UTC
651/34 Vnimaniye
41722 66854 32077 80334 36813 75215 05389 00557 77245 93025
42514 64228 61327 06454 32934 10439 31715 78258 36075 80645
22398 86820 48878 80735 43647 35702 45185 84579 26929 63042
76102 92697 31802 14447
Vnimaniye (message repeated) Konets

6433 kHz, 31-10, 0830 UTC
379/40 Vnimaniye
61933 37559 25425 67631 48428 52420 08973 01659 70909 90252
04227 25661 83365 28140 89942 12320 68613 56159 62261 91803
40147 95969 90590 07361 14944 32124 40502 60928 58746 15831
11964 53172 76761 30211 43830 42887 51678 18296 00701 55086
Vnimaniye (message repeated) Konets

V07

18217/16317/15817 kHz, 04-10, 0200/0220/2040 UTC
Not monitored

18217/16317/15817 kHz, 11-10, 0200/0220/2040 UTC
238 238 238 1 5266 125 5266 125
98079 464?2 99097 52892 78779 27771 78014 3681? 12746 ?8997
10412 57514 07548 47961 81051 55613 31449 88781 52394 56566
76460 48198 23813 79361 17896 83367 26642 52478 95870 93231
?2783 86472 32152 17679 88253 84953 41124 95691 28186 71805
50242 61775 08946 83668 70641 68750 93158 09878 52478 72921
7?051 60813 75339 ?7837 37183 5?674 74759 76291 78461 04474
6??07 21?23 43406 ?0656 506?5 70816 ?9744 7?146 21572 ??121
26?24 97619 ?3525 0?544 18598 55764 1?927 31?12 88552 95284
94?93 0378? 5?446 95927 96976 81279 11222 7??57 ?98?7 897??
5?896 2396? ?4931 3284? 300?9 85751 5?188 7???4 389?1 939?2
98362 15119 91661 ???13 995?9 581?8 19235 661?7 39029 588?0
18?59 86?61 64150 ?293? ?997? ?2644 59406 52362 58906 2233?
96405 13379 42215 61974 39295 000 000

18217/16317/15817 kHz, 18-10, 0200/0220/2040 UTC
238 238 238 1 4515 60 4515 60
93552 17504 65030 41853 56891 10391 40604 89814 51970 91583
73779 38758 97728 48122 57366 36372 28692 32352 94308 21802
92282 26257 72824 81645 44137 39503 12506 62258 89493 91574
66162 11217 33521 32814 48625 49342 94428 59871 18788 10233
07536 42694 74798 07491 98666 53519 59205 19142 57445 38369
56383 14402 97406 21462 53485 08649 82307 87784 88957 10573
000 000

18217/16317/15817 kHz, 25-10, 0200/0220/2040 UTC
238 238 238 1 7197 87 7197 87
25668 40754 68718 75030 47342 07322 12182 47211 18647 67757
59311 93406 71308 49434 01039 04703 19819 08037 14775 93516
44379 89392 68243 31404 80873 17770 88215 43855 71363 15672
15170 62060 86030 69685 64483 34319 44412 95567 71967 38897
65077 91866 19100 81440 90024 11955 83936 72692 77044 06736
43893 65877 46908 54871 73232 95370 37471 23958 86664 66468
07738 88545 24568 70755 93792 97631 15609 07744 70694 94251
65825 83418 81650 62807 84562 78049 07118 09241 57281 40177
10658 53064 01525 43212 43457 63191 32535 000 000

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

A few late logs from August and one from October. Thanks to FSpy.

15890 kHz, 13-08, 0000 UTC, USB. New Star Broadcasting. Station 3.
Unit IDs: 2662, 6897, 7983
Group Counts: 33, 32, 35

9626 9796 8345 6805 3447 4071 5832 9708 0529 3043
7743 1524 4707 7521 0165 5270 4129 4240 3295 4569
6926 2394 2214 2548 4403 8357 9195 4072 6491 0106
1642 8035 6565

7838 5340 1893 0343 7313 9510 3361 1618 3694 2621
4789 9771 0874 1099 0939 3858 5395 8215 2280 1316
5195 6383 3283 3644 5814 3807 4075 1745 2629 6265
3389 2167

9345 3265 3691 2205 9129 5461 7677 8651 0641 8436
3583 2230 0739 9920 5480 4898 2643 0822 7569 3810
3056 9247 4825 1211 6302 1877 5819 0539 0355 5496
7711 0273 6333 0643 6309

18040 kHz, 13-08, 0030 UTC, USB. New Star Broadcasting. Station 4
Unit IDs: 4556, 6334, 8289
Group Counts: 31, 35, 32

2106 7512 4139 3989 4608 5809 2223 7022 5572 9024
6170 3887 9371 6111 5291 1422 9929 0954 6793 6606
5188 8608 8652 8057 1136 2029 7748 6362 2597 6700
6119

1509 9417 2599 3603 1949 5060 3768 1915 0010 1333
1247 9233 1108 9921 3512 5123 9751 2071 4185 2888
2445 6477 1276 2903 1886 8232 4080 4048 3431 4631
9198 1346 6728 9867 3186

5145 7812 4260 2177 1797 8281 2874 6449 9298 4861
5366 4465 8538 3453 6195 7119 0014 9258 2484 2889
5524 6064 1804 3655 4556 4545 8030 6205 7792 5902
6790 3204

Note: spacing between each number group was a bit longer than normal. At times, "1" and "7" were barely audible on the first read.

15890 kHz, 19-08, 0000 UTC, USB. New Star Broadcasting. Station 3
Unit IDs: 4633, 5610, 7205
Group Counts: 30, 32, 35

3994 1040 3346 7765 9883 9801 3043 6687 1140 8636
4772 1104 6836 3259 5024 1022 2712 9485 6481 8889
3047 4077 4256 8417 6337 4047 8647 9603 2200 8657

0608 5626 7006 2375 2102 6500 7509 1327 3003 8297
2044 1806 2045 5972 7884 4484 7025 9331 0884 3041
2369 2492 6566 5567 6702 8870 1523 0553 4873 8237
1585 6923

9904 4964 6184 4342 6519 9500 9140 9912 6041 4514
9790 5902 8964 2647 6245 5312 5535 2664 0197 7863
0461 2157 4346 4295 9591 0502 0248 5791 8390 5175
7606 8984 5653 4856 4870

18040 kHz, 19-08, 0030 UTC, USB. New Star Broadcasting. Station 4
Unit IDs: 1295, 5538, 6441
Group Counts: 33, 35, 30

0755 7540 2961 3736 9172 4443 8695 7182 4451 7542
1526 7262 5190 2070 1171 6148 2213 2633 9495 1290
0835 2268 7304 0750 2236 7872 4160 4024 6660 8891
7874 9611 2968

0747 5352 7326 2901 3301 1289 3265 0026 3444 2269
7225 5884 5696 7137 3588 5556 0063 2601 4960 9890
6480 2670 2175 8097 8922 5311 9479 3569 3927 3773
3525 7180 2178 7175 5132

4354 1264 7096 5911 4049 6492 0367 4649 0804 6566
2423 1096 2023 7471 2794 7694 8701 7224 9828 8068
5809 3962 8705 1562 7293 3943 0280 5458 5614 3453

15890 kHz, 26-10, 0000 UTC, USB. New Star Broadcasting. Station 3
Unit IDs: 0805, 3972, 6137
Group Counts: 34, 31, 31

6558 7194 6173 8136 7733 2222 7123 9828 3018 5468
4855 1446 2147 0343 7429 5890 2468 6616 7260 7557
5550 5949 8968 1743 9134 8065 7829 3063 9680 8597
0609 1700 4966 1758

3606 8647 9322 9095 9199 0949 4824 9608 0345 7750
9945 6733 5766 4848 9886 9337 8351 8452 3790 2350
8014 4667 7043 3768 9440 8425 7400 8568 8037 9262
5938

0881 9448 2411 9929 4585 3152 4270 0321 7759 6683
5076 9283 9006 0867 1206 3610 1879 6384 0820 7924
9333 9364 2713 9227 9208 3722 0659 2484 1794 7727
6399

V28 - 앵무새 Aengmusae (Parrot)

Many reports from -mainly- WLTZ. Great job !!!

5508 kHz, 01-10, 1159 UTC	Very faint. The carrier went off at 1204z before coming back around 1206z. It went off for good at 1211z.
3044.9 kHz, 01-10, 1200 UTC	Parrot. Off at 1205z
5507.8 kHz, 01-10, 2202 UTC	Female operator. Off at 2213z.
5508.5 kHz, 02-10, 1209 UTC	Female operator. Off at 1209z. The modulation was stronger than the other lately
5508.7 kHz, 06-10, 1201 UTC	Parrot started with 9 seconds of carrier being broadcasted before going silent for almost a minute. It came back with only the carrier for 23 seconds before a male operator began speaking. He spoke for almost 4 minutes before getting cut off by the transmission abruptly ending at 1207z. The transmission remained mostly audible for the entire time it was up.
3048 kHz, 06-10, 1201 UTC	Parrot
5508.5 kHz, 07-10, 1204 UTC	Female operator
3048.4 kHz, 07-10, 1157 UTC	The transmission on 3048.4kHz started with a barely audible female operator. At 1202z, some broken electronic buzzing started. Looking at it using a spectrogram, it somewhat looks like extremely distorted morse code. I'll see if I can link that part of the transmission below. At 1204z, it stops and a male operator starts speaking. He's slightly more audible than the female operator. At 1211z, a female operator takes over. Due to how poor the transmission was, I can't tell if it's the same one from the beginning or a different female operator. The transmission finally came to an end at 1213z.
5508.5 kHz, 07-10, 1201 UTC	Parrot. Off around 1205z.
3043 kHz, 07-10, 2200 UTC	Female operator and a male operator at 2208z
5009 kHz, 07-10, 2200 UTC	Parrot, off at 2208z.

5507.5 kHz, 08-10, 1200 UTC	i.p. Female operator. Off at 1206z The carrier drifted until 1207z when the transmission ended.
3042.7 kHz, 08-10, 2201 UTC	Female operator. Off at 2210z
3043.1 kHz, 10-10, 1200 UTC	Female operator. Off at 1206z.
5509.5 kHz, 11-10, 1200 UTC	Female operator. Off at 1208z
3042.9 kHz, 11-10, 1202 UTC	Parrot
5509 kHz, 10-10, 2202 UTC	Signal drifted to 5513.6 kHz before sticking around 5513.4kHz for the rest of its time up. Female operator. Off at 2207z.
5510.5 kHz, 12-10, 1200 UTC	Female operator. The carrier drifted to 5512 kHz. Off at 1209z
3043 kHz, 12-10, 1201 UTC	Parrot. Off at 1204.
5509.7 kHz, 12-10, 2157 UTC	Female operator for 50 seconds; returned at 2200z and kept talking before the transmission abruptly ended at 2106z, cutting her off in the middle of her message. During the entire time it was up, the signal kept drifting up and down the spectrum.
5511 kHz, 13-10, 1200 UTC	Female operator i.p. Off at 1207z. The signal drifted during up and down the entire time of the transmission. It went up as high as 5513.6k Hz. Off at 1209z.
5510 kHz, 13-10, 2200 UTC	Female operator. Message ended at 2203z. Carrier drifted to 5513 kHz and then slowly back. Off at 2208z
3042.5 kHz, 13-10, 2203 UTC	Parrot i.p. Off at ca 2206z
3042.4 kHz, 14-10, 1202 UTC	Female operator. Off at 1207z
5252.6 kHz, 14-10, 1208 UTC	Parrot
5511 kHz, 14-10, 1203 UTC	Parrot
3042.8 kHz, 15-10, 1201 UTC	Female operator. Clear and modulated. Off at 1207z
3042.7515-10, 2159 UTC	Female operator. Off at 2207z
5512.7 kHz, 15-10, 2159 UTC	Parrot. Off at 2213z. Crazy looking frequency drift
5491 kHz, 16-10, 1201 UTC	Female operator. Off at 1207z
3047.5 kHz, 16-10, 1201 UTC	Parrot. Off at 1207z
3048.9 kHz, 16-10, 2200 UTC	Female operator. Off at 2210z.
5490.8 kHz, 17-10, 1159 UTC	Female operator. Off at 1206z
3042.7 kHz, 18-10, 1200 UTC	Female operator. Off at 1206z
5490.8 kHz, 18-10, 1200 UTC	Parrot
3043 kHz, 18-10, 2201 UTC	Female operator. Off at 2207z
5479.6 kHz, 18-10, 2205 UTC	Parrot
5479 kHz, 19-10, 1201 UTC	Female operator. Off at 1207z
3042.6 kHz, 19-10, 1203 UTC	Parrot. Off at 1208z
5476.5 kHz, 19-10, 2200 UTC	Female operator. Towards the end of the transmission, some background noise from either an answering machine or other electronic started going off. The same background noise was also picked up after the female operator finished her message. At 2209z, the transmission started drifting and made it to 5479.7kHz before going off at 2210z.
3048.8 kHz, 20-10, 1202 UTC	Male operator. Buzzing noise. Off at 1209z.
5476.3 kHz, 20-10, 2200 UTC	Female operator. Same electronic background noise as before. makes a return. Male voice in the background at 2203z. After the female operator finished her message at 2209z, the carrier remained up until the transmission went off at 2210z.
3043.2 kHz, 21-10, 1158 UTC	Female operator. Off for 10 sec right after the start. The transmission abruptly ended at 1208z
5477.9 kHz, 21-10, 2200 UTC	Female operator and the same electronic background noise as before. Off at 2209z.
5493 kHz, 22-10, 1200 UTC	Female operator. Off at 1207z. The signal drifted up and down throughout the entire transmission.
5490.7 kHz, 22-10, 2159 UTC	Female operator with electronic background noise and a man could be heard. After the message ended at 2209z, the carrier drifted all the way up to 5493 kHz. Off at 2213z.
5490.9 kHz, 23-10, 1201 UTC	Female operator. The transmission ended abruptly at 1205z, cutting the female operator off.
3042.8 kHz, 23-10, 1202 UTC	Female operator, different from 5490.9 kHz. Off at 1207z.
3042.9 kHz, 23-10, 2200 UTC	Initially a male operator, but switched to a female operator before it went off at 2206z.
4592.7 kHz, 23-10, 2207 UTC	Female operator. During its time up, there were intermittent gaps around 0.25 seconds where the carrier went off, then came back. Off at 2210z.
5491.6 kHz, 24-10, 1200 UTC	Female operator. Off at 1205z, cutting the female operator off in the middle of her message.
3044 kHz, 24-10, 1205 UTC	Female operator, different from 5491.6 kHz. Off 1207z
5491 kHz, 24-10, 2200 UTC	Female operator. Message ended ar 2209z. The carrier stayed up until 2213z
3044 kHz, 24-10, 2201 UTC	Parrot. Off at 2205z.
5490.6 kHz, 25-10, 1200 UTC	Female operator. It abruptly ended at 1206z.
3044.2 kHz, 25-10, 1206 UTC	Parrot i.p. Off at 1207z. It had a different female operator.
5226.4 kHz, 25-10, 1207 UTC, CW	Numerous intermittent gaps throughout the transmission where the carrier went off and came back. It appeared to be Morse. It disappeared when the carrier went out and reappeared when he carrier came back. This might be the morse counter part of V28
5491 kHz, 25-10, 2200 UTC	Female operator. Message ended at 2209z. The carrier remained up until 2217z.
5490 kHz, 26-10, 1200 UTC	Female operator. Off at 1206z

3044.3 kHz, 26-10, 1202 UTC	Parrot. Off at 1206z
No transmissions heard around 2200z on 26-10	
3044.5 kHz, 27-10, 1205 UTC	Parrot i.p. Female operator. Off at 1207z
5488.2 kHz, 27-10, 2200 UTC	Female operator. At 2207z, the electronic background noise appeared briefly. After the message, the carrier remained up until 2210z.
3044.2 kHz, 27-10, 2203 UTC	Parrot. Off at 2206z
3044.4 kHz, 28-10, 1159 UTC	Female operator. After 45 seconds, the carrier went out and stayed off for ca 1.5min. Back at 1202z with the female operator barely audible. The message ended at 1209z. The carrier remained up until 1211z.
3044 kHz, 28-10, 2205 UTC	Female operator. The transmission abruptly ended at 2205z.
3044.2 kHz, 29-10, 1159 UTC	Female operator. Off at 1205z. Very weak today
3044 kHz, 29-10, 2159 UTC	Female operator. Off at 2206z. Very weak
5489.5 kHz, 29-10, 2201 UTC	Different female operator. Message endend at 2210z. The electronic background noise and some beeping make a brief appearance towards the end of the message. I think there was a man speaking in the background after the message ended. The carrier remained up for another minute until it went off at 2211z.
3043.9 kHz, 30-10, 1201 UTC	Female operator. Off at 1206z.
5490 kHz, 30-10, 2201 UTC	Female operator. Message ended at 2209z. The electronic background noise is present towards the end of the message and after it. After the message ended you could hear her moving, probably leaving the desk. The carrier remained up until 2210z.
3044.3 kHz, 30-10, 2201 UTC	Parrot. Off at 2205z.
5488 kHz, 31-10 1159 UTC	Female operator. Ended abruptly at 1206z, cutting her off.
3047.7 kHz, 31-10 1202 UTC	Parrot. Off at 1205z
5489.5 kHz, 31-10 2200 UTC	Female operator. Off at 2208z. The signal drifted up and down during entire transmission

VC03 - Chinese military / Air Defense

Long session between 8028 and 8062 kHz. Voice traffic was in VC03 format, the morse part was M89 and further OFDM-39traffic.

OFDM: 8028 kHz, 23-10, 0509 UTC, OFDM-39 LSB
1908 1908 1908 XXXXJGJGXXX 11 153 302131320162141fb0230.txt
0288 321 32 1023 1300
4666---4386
8476 3715 7792 1577 2793 0103 0350 7720 0008 0113
9841 3736 6056 1676 4185 7343 7471 3971 9183 6377
8168 4113 7624 5806 8897 2840 9387 7560 4269 8055
9397 9470 1032 9120 9474 9891 6834 3161 4869 3433
9114 8619 7732 3774 8378 8285 6384 3558 1853 7601
6791 0990 4887 7933 4425 1627 6010 1049 0974 1918
7224 3480 3440 8482 3489 1108 5785 5203 6091 2439
5042 9800 2677 8492 7823 1392 6419 3007 0425 0144
6801 3262 3835 3153 1615 4077 2177 6016 7211 1339
3822 1244 8704 5897 6612 0804 5440 2258 0775 1777-1

5558 0393 8260 0727 8543 0103 1637 9849 0008 0114
6405 9060 1053 3114 0356 8548 3996 7089 1148 0776
1046 6086 2977 4563 4957 2183 4175 7167 5154 8855
6339 9065 9756 2334 2100 8935 8203 6037 7215 0816
9379 4719 1511 1874 8237 5767 6223 8989 6343 0009
3256 2555 0430 6931 7319 2151 1998 3856 8830 8708
4078 2352 8054 1931 4483 2909 6415 6641 9936 4587
1104 5892 9265 9493 3681 5352 6915 2739 9934 4181
5846 7006 9099 5802 5616 4414 7293 2195 5159 9157
6065 0442 4444 7379 7550 9683 2849 4778 4858 0337-2

3777 1614 9183 5779 0052 0103 4750 1937 0008 0115
6460 8013 0399 7410 9215 2009 4336 6927 8413 4389
0105 3936 1142 9870 5005 2833 0801 5761 7685 7195
9736 7351 3160 9318 2547 5520 7802 1771 1423 0051
4692 9865 4219 0549 8426 0846 9048 8213 9609 5697
7419 4467 2169 0972 8163 0142 4794 5312 1319 4325
7164 9701 7227 0887 1757 7753 7640 5906 5255 7004

9715 5547 9031 4838 0303 7987 7434 7818 3592 8164
8510 2004 6435 7263 4363 9781 1500 0878 2320 0542
7305 0715 0612 5086 2450 1091 2657 6475 0102 8040-3

7754 8945 1804 4261 4314 0103 9788 5655 0008 0116
8076 5652 5569 6992 9886 3703 1841 0395 5530 6300
8598

WK NR 210- Kvjü Kvjü Kvjü Kvjü Kvjü

VC03: 8028 kHz, 23-10, 0520 UTC, LSB
2352 47132 338

254 250 0289 16 121
32 1203 1300
170 4666 282 4386
1254 0118 610
7564 6568 7270 5983 3966 0103 9524 3382 0008 0117
6300 7787 3904 3945 2358 9865 5789 1552 0992 2946
0270 8779 0259 4564 4224 9250 5424 3243 7423 2310
7404 2965 3867 7476 6266 2935 8191 2412 2412 4986
2572 0969 6927 1614 4670 1075 8295 1387 0626 7185
2849 4004 6503 0172 0612 0954 8050 6907 3646 4551
4735 5889 9196 0987 3514 9291 0162 3402 6312 6550
8164 9630 5912 6156 5367 0344 6510 2955 3964 8467
5166 8392 8369 1597 1707 0219 9483 4855 0780 9249
2199 3596 5977 7328 5415 5870 4848 2990 1448 1719

1254 126 2254 06 118 10

9136 0608 3001 1100 3931 0103 0179 9759 0008 0118
7016 2165 9340 2376 3572 7593 9173 7763 5161 7531
6725

300 222 338

VC03: 8062 kHz, 23-10, 0520 LSB
170 4386 282 4666
1254 0118 610
8680 0166 6608 6982 5803 7601 6887 8919 1007 0165
4313 0912 9947 9493 4605 8277 3735 9581 3522 8707
6806 7155 8470 3997 2441 0217 6715 3344 4316 0284
0497 1797 7512 5176 3218 7670 4614 1207 6074 8532
8169 8591 5210 9571 3664 3624 1967 2428 6671 8929
1668 0318 4550 4942 6193 1985 4252 0018 8386 8509
7884 8849 4031 1187 8151 7633 8405 0396 9564 9854
2909 1757 9715 6141 1517 2834 4081 5867 2282 2662
9844 6951 7699 6151 2325 0917 5682 3349 6710 7952
5170 8921 3275 9404 2948 5511 1769 9250 7265 1081

1254 126 2254 06 188 10

2745 5560 0777 6761 5504 7601 3685 3678 1007 0166
8865 7235 3464 7425 3266 8111 9243 8105 5645 7716
3784

300 222 338

M89: 8028 kHz, 23-10, 0540 CW, i.p.
O35N T763 D7UD NT5A TAT3 55U6 65NA TTTD TAAN 4DTU
6N6U T7A7 4AA7 V77N D455 73AT A4A 55A4 33NN T5T5
4NN4 6DU3 T7A3 6A64 NUNU N374 UTTD T3N4 4D3A U635

UU5D T37A 5ANN A454 T7N3 N3D4 4DD7 7664 5377 DNN5
63D3 4 ? 6467 636A 656A TT73 6DNN 37D6 7A7A N73A
6543 T37D DAA5 7DÜ6 NU3N UD43 A77A 464T DDAT 65AT
6T56 7TA4 6T43 7T44 AN63 463T 6DU7 36NA 3SD7 N56A
ND66 TUN4 AA65 NATD UU36 A3AA N43N DA5U U3U3 UD44
4T54 766A EN6D TDA3 AA7D 37A3 7N5D TNND 7TT4 4D73
64DA 54D3 UU6A 363U 4DTA 6U67 DUU7 3TN4 33UT A736 III =
DNT5 NA4A N666 64AN 76D4 TAT3 TN56 7UD3 TTTD TAUT
A665 6D57 D3 ? D4N4 6U37 AUNN ATD3 63UN TD65 3AD7
5UTA TAD3 AR K

M89: 8062 kHz, 23-10, 0540 UTC, CW
1300 RMKS 4386 TO 4666 =
0766 D634 0N76 5UA6 500U 760A D45N 6N00 A007 0U67
0N3D 0A46 D7ND 335D 6487 0DN5 N676 A736 (etc) 50UU
4345 0N47 36UU 360A AR K

VC03: 8028 kHz, 23-10, 0558 UTC, LSB
2182938
23521813238
254 250 0291 16 20
32 1023 1300
170 4666 282 4386
0118 610
5911 4133 1881 0007 7122 0005 5322 5711 0008 6488
2301 0005 6333 0008 5534 6944 5366 2587 0006 0002

300 222 338

VC03: 8062 kHz, 23-10, 0605 UTC, LSB
2182938
23521813238
254 250 0291 16 20
32 1023 1300
170 4666 282 4386
0118 610
5911 4133 1881 0007 7122 0005 5322 5711 0008 6488
2301 0005 6333 0008 5534 6944 5366 2587 0006 0002

300 222 338

VC03: 4271 kHz, 10-10, 1504 UTC, LSB
250 045
116 91 40 1010
2255 170 342 282 3222
0118610

1518 6269 2060 1888 5806 4401 3056 0813 0641 0168
6438 5578 8813 8700 2787 0525 9845 2697 4037 7925
4058 1982 3719 7689 3397 2502 6026 8980 9595 3103
4775 6335 1720 9481 5212 4021 5029 5360 4387 0113
6622 6822 3622 0880 6611 0955 2192 6224 7270 0448
1797 2034 2117 1848 4645 2506 2920 3675 2180 6752
1062 4195 7134 4923 4367 6454 4079 0911 5475 0641
4228 6732 1585 9790 0188 2623 9548 1043 2408 3620
6413 3949 8938 0105 0851 0201 1473 0530 0731 2111
3056
300 222 338

171
38 186 282 39 186 10
5360 4387
300 222 338

171
360 38826615 02 338
957 307
360 38826615 42 338
957 307 20162
360 38826615 43 338
360 38826615 23 338
20162

171
2117 222 338
2117 222 338

171
3675 222 338
4195 222 338
2408 222 338

133

VC03: 6858 kHz, 10-10, 1417 UTC, USB. Stations A and B.

A: 53 1010 2200 92 9926 69 1828 90 94
8748 9528 6157 6401 3168 9142 3732 9539 0331 0006
2193 8295 5766 8087 1752 3204 2376 9756 3958 7401
6142 9274 7430 1823 2065 2603 0156 5204 6139 4093
8323 9391 6521 2618
96 60

B: 2434 12 2219 12 2219 60
A: 34 29 2252 60

B: 34 5040 42 9688 44 31
53 1010 2200 92 1828 69 9926 90 94
2325 1016 2303 4560 4783 2127 5875 3450 0321 0011
6326 5845 2930 8603 2592 1089 7176 3628 1907 6405
5182 1512 9841 2820 0636 6980 2830 8924 5824 6709
9478
96 90

A: 12 2221 60
B: 34 2965 9842 60
A: 34 20 9842 702 60
B: 34 9799
A: 34 9799



MORSE STATIONS

MX

Beacon L, St Petersburg oddity.
5156.8 and 8497.8 kHz, 18-10, 0802 UTC: 5x L followed by a dash and 5 dits instead of the normal “L”

M01

5475 kHz, 01-10, 1800 UTC
463 129 129 30 30 = =
78675 45347 90321 12345 76895 64532 33114 89786 85643 23143
78690 65632 11114 56321 78698 37852 80765 55578 95600 45321
87677 45421 67431 18357 98964 32456 86732 10908 36328 67466
= = 129 129 30 30 000

5020 kHz, 01-10, 2000 UTC
463 227 227 30 30 = =
67545 34231 11786 90876 45446 73324 89742 23179 90064 55321
78675 80653 50453 32114 65632 87953 21563 66678 94423 74532
89887 67532 12145 76743 77732 90432 10030 34231 17675 84523
= = 227 227 30 30 000

5475 kHz, 06-10, 1800 UTC
463 532 532 30 30 = =
19033 70319 38307 55404 32785 23341 11659 65300 98510 05782
51342 70448 41145 25381 50218 51374 40109 33705 10384 71508
23580 00154 58319 98I03 91284 11382 26140 05217 70415 12038
= = 532 532 30 30 000

5020 kHz, 06-10, 2000 UTC
463 203 203 30 30 = =
54789 02385 75492 86503 76853 89650 87608 16754 28952 76590
16758 92083 76592 76599 81427 54196 81544 07360 58793 41220
84357 48263 90954 27584 10128 76599 94370 81702 57763 81750
= = 203 203 30 30 000

5475 kHz, 08-10, 1800 UTC. Errors in red
463 101 101 30 30 = =
64730 39837 65143 43151 28765 091?7 17625 19028 61570 91871
51431 87161 20918 33091 40981 35 27135271 29817 30981 72161
65160 61542 87165 65176 657 6 18726 20916 19871 63651 09118 44091
= = 101 101 30 30 000

5020 kHz, 08-10, 2000 UTC. Group 23 was not repeated
463 303 303 30 30 =
64783 20918 26816 27615 30981 48759 10927 47835 14251 38718
86905 40982 47587 54162 37615 28901 65172 14251 27615 20918
75903 20918 33091 28716 39019 48716 30918 27637 28918 17261
= = 303 303 30 30 000

6260 kHz, 10-10, 1500 UTC
463 152 152 30 30 = =
83021 51407 71250 04162 28311 48212 30789 91385 45100 08532
80517 48301 50733 90104 47315 81205 18352 54114 84I07 24315
58720 04185 60309 95611 14312 58723 40455 70382 91307 33091
= = 152 152 30 30 000

6510 kHz, 11-10, 0700 UTC
463 827 827 30 30 = =
57402 75407 63891 85400 85492 75497 54810 85493 77612 42643
19732 35763 76590 78631 15643 65893 06582 67592 76590 08652
59832 76588 04832 57842 76592 89650 72954 88302 76595 67755
= = 827 827 30 30 000

5475 kHz, 13-10, 1800 UTC
463 251 251 30 30 = =
94783 40722 74014 82486 61220 54337 10214 21503 84582 60351
78512 24008 50662 21459 94503 54701 21557 88014 21573 59210
85309 94427 58274 92740 75401 27549 27652 92084 17549 10923
= = 251 251 30 30 000

5020 kHz, 13-10, 2000 UTC. Different repeats in red
463 703 703 30 30 = =
32901 94571 48029 29567 94572 10457 04729 37265 72446 60358
01265 37615 41808 45515 75515 10742 30243 30246 65412 654712 59902 80045 51287
12306 28248 30215 41512 73345 05551 46831 75492 57480 02764
= = = 703 703 30 30 000

5475 kHz, 15-10, 1800 UTC
463 443 443 30 30 = =
67543 23143 89764 29807 12213 77743 89452 56342 90900 78561
78654 44537 94231 67321 11523 23143 96723 58673 74531 87885
97867 23241 54521 65664 87880 56478 23143 22224 75634 54523
= = 443 443 30 30 000

5020 kHz, 15-10, 2000 UTC
463 107 107 30 30 = =
55534 76745 23243 76745 89997 56112 80004 23206 40330 56346
87864 23245 65667 84500 23146 45210 90085 10340 10730 43217
18634 17845 95612 45298 70684 65632 89740 34256 45398 63483
= = 107 107 30 30 000

6260 kHz, 17-10, 1500 UTC
463 765 765 30 30 = =
73846 23512 47653 65232 47363 48732 43562 46765 53262 45678
72362 56322 23651 45879 53456 67765 67890 98765 99008 88765
47854 56785 90876 00987 45666 76543 80065 65432 78900 65656
= = 765 765 30 30 000

6510 kHz, 18-10, 0700 UTC
463 321 321 30 30 = =
12342 87654 90987 65543 65432 90008 54321 11223 65654 76543
77889 54321 00990 76544 80809 54334 43356 78900 64321 90008
60765 90556 43211 89000 69976 59987 47654 90087 43211 80889
= = 321 321 30 30 000

5475 kHz, 20-10, 1800 UTC
463 884 884 30 30 = =
56567 12345 90900 89876 44432 67654 23289 78905 76541 56432
89089 67854 12456 45621 34267 87632 12315 45321 78654 56789
99988 67431 10100 90112 34216 78632 80099 80961 12134 87830
= = 884 884 30 30 000

5020 kHz, 20-10, 2000 UTC
463 991 991 30 30 = =
78765 33312 12908 90563 77984 23221 45443 34567 98904 23451
32334 56783 98807 60050 20041 12552 39897 45312 67689 45421
77775 44321 23459 78965 45754 78532 67980 09008 63201 34985
= = 991 991 30 30 000

5475 kHz, 22-10, 1800 UTC
463 884 884 30 30 = =
56567 12345 90900 89876 44432 67654 23289 78905 76541 56432
89089 67854 12456 45621 34267 87632 12315 45321 78654 567?9
99988 67431 10100 90112 34216 78632 80099 80961 12134 87830
= = 884 884 30 30 000

6260 kHz, 24-10, 1500 UTC
463 783 783 30 30 = =
75869 56364 58769 79012 36475 68981 35476 86979 35412 46571
86743 68712 21321 35476 79001 35487 68989 46381 57748 57698
50893 56712 35476 36578 59781 25463 58709 68743 46712 38796
= = 783 783 30 30 000

6510 kHz, 25-10, 0700 UTC
463 683 683 30 30 = =
57832 45612 49807 57869 67832 36574 59786 50901 26473 68945
38675 49786 59812 21456 57623 49785 60921 34512 67589 79845
49672 36508 79342 46587 68912 21234 45622 48869 67734 77221
= = 683 683 30 30 000

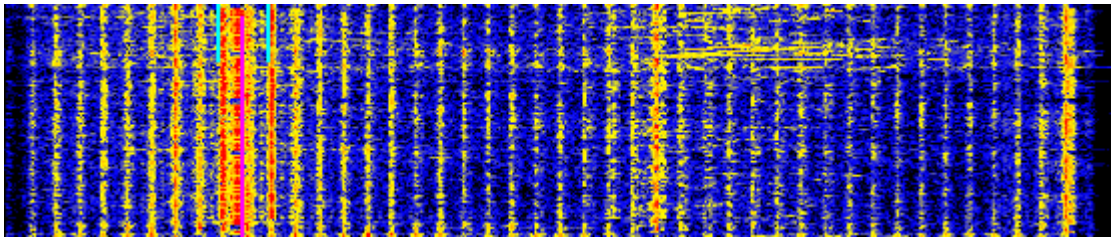
5475 kHz, 27-10, 1800 UTC
463 230 230 30 30 = =
78765 89654 12345 56432 67698 90900 50342 34256 45689 23478
89709 50607 24304 12346 87634 23245 89876 44456 87886 23121
89890 56470 30045 20006 34312 76732 67632 10221 43219 87831
= = 230 230 30 30 000

5020 kHz, 27-10, 2000 UTC
463 815 815 30 30 = =
56789 45432 12113 50098 56412 33345 76778 80807 34125 56784
78965 34345 23222 67895 56567 90908 20301 12114 65431 67231
80006 34335 23159 87896 45612 89887 56782 45665 78785 78932
= = 815 815 30 30 000

5475 kHz, 29-10, 1800 UTC
463 103 103 30 30 = =
67890 56732 12312 45467 7I779 56565 89070 34020 32541 23198
78943 34352 56589 90078 21221 34567 67834 32145 66678 95842
32981 70053 20709 09008 45312 32456 88788 96512 34150 67321
= = 103 103 30 30 000

5020 kHz, 29-10, 2000 UTC
463 653 653 30 30 = =
67542 12340 34521 24132 69783 67890 87431 78779 90546 30201
00987 24132 56412 77675 98997 94321 54326 75642 90087 54321
78956 67329 98074 18952 17532 90853 45446 78574 23288 97997
= = 653 653 30 30 000

7115 kHz, 03-10, 0715 UTC. Very strong TX noise with selective fading and signal, 3.5kHz channel width, ~900Hz MCW fundamental. Errors and different repeats in red
475 367 367 50 50 = =
83175 02518 075 214 14 2 1419 71840 71503 61503 16492 71507 05385
01650 71549 51830 91540 71538 61942 62419 50.65 50165 82510 65489
51389 01564 71494 71495 61956 73510 71510 61539 81540 5 184281842
12057 64190 64294 73106 74048 74175 84105 81640 81530 61851 61047
61850 61975 01653 29510 38150 29157 71540
367 367 50 50 - = 000



7115 kHz, 04-10, 0715 UTC Transmitter up but then TX failure and no M01
7115 kHz, 10-10, 0715 UTC 475 ... unreadable distorted signal
7115 kHz, 11-10, 0715 UTC Not heard

7115 kHz, 17-10, 0715 UTC. Funny TX noise
475 434 434 50 50
91129 64257 04667 83426 84331 14281 95831 06741 09377 12194
53418 84771 03517 83661 32517 74528 93156 84321 86774 32420
22591 90342 83416 94627 77314 83528 94362 15660 83885 03142
22067 92571 03627 92567 14519 97831 36478 01351 9564_ 88341
89156 79302 826__ 7_846 9____ 89112 _1790 85672 89536 84562
434 434 50 50 = = 0 0 0

7115 kHz, 18-10, 0715 UTC Not heard
7115 kHz, 24-10, 0715 UTC Not heard
7115 kHz, 25-10, 0715 UTC Not heard
7115 kHz, 31-10, 0715 UTC Message
7115 kHz, 01-11, 0715 UTC Not heard

M12

13409/12195/11526 kHz, 1300/1320/1340 UTC. Slow version

13409/12195/11526 kHz, 01-10, 1300/1320/1340 UTC
397 397 397 1 8948 99 8948 99
06448 48207 82095 84849 89434 55315 17873 56986 82601 28459
98302 59764 15694 89577 99865 58131 61082 36063 77668 16982
33704 81500 98223 08049 71944 28160 09241 36284 56315 68852
31771 68592 76961 84725 56959 03747 67750 51279 84650 66270
77148 13148 49508 70413 34703 82916 78938 62877 54799 86527
46221 55163 59578 24071 63422 29446 39983 74045 12905 61273
46073 81587 00671 13748 96687 29710 82802 30968 32618 96118
90380 09703 51412 11397 39833 20567 31991 27809 73345 89026
49221 46363 81484 69786 22630 76606 90013 52890 23021 32012
63763 93703 38373 23376 20197 95559 12465 35759 73725 000 000

13409/12195/11526 kHz, 06-10/08-10, 1300/1320/1340 UTC
397 397 397 1 6674 95 6674 95
54117 75225 38132 24368 36725 18436 16750 32755 07350 99600
73611 77184 44869 39653 78286 41117 30415 18474 02172 02989
15460 89838 48239 95138 70753 10924 81265 23075 89168 24993
68636 47595 34296 31831 63089 76546 78398 25177 00450 21492
67911 48794 19775 55508 99963 22074 40643 23188 60492 03114
58087 01240 50905 96089 63985 64278 26986 42992 53614 25801
37169 93674 43585 82355 30964 26016 42888 13038 76562 01740
62718 05237 18024 80678 35076 66664 70062 92729 95174 48679
70279 58077 62581 86053 66904 67395 96688 38206 67845 98810
49559 35405 71562 74647 84321 000 000

13409/12195/11526 kHz, 13-10/15-10, 1300/1320/1340 UTC
397 397 397 1 1980 93 1980 93
53838 22919 22801 20118 31580 03168 69743 01227 86647 93555
42887 21320 66530 46990 97978 24952 02107 50643 57192 58031
89181 87808 44109 58446 75772 60228 66298 96959 77757 23297
83953 57402 05904 37300 27272 60284 91221 83195 72205 39801
75056 04684 11546 30490 90299 07471 95376 68966 22294 36171
23871 14948 28462 20762 77006 66029 78809 64353 44345 71350
36869 72783 23468 63349 09601 85484 15416 29229 19717 37694
33730 18911 78437 17390 82974 84497 76261 13619 68145 68300
64850 97330 74664 41586 99425 69005 28939 85140 60293 61241
81474 26867 38850 000 000

13409/12195/11526 kHz, 20-10/22-10, 1300/1320/1340 UTC
397 397 397 1 5583 81 5583 81
96206 83140 68241 14491 66018 17833 29400 84866 27768 29634
52484 12951 28947 95851 85507 15116 02287 68553 70874 21741
21701 49833 33195 84340 66887 66861 10372 15196 01210 54187
10337 19620 15222 66256 08672 69729 38934 31457 81645 88606
16144 50585 71241 75184 28805 09322 79054 77722 45047 22167
15691 45794 79313 23945 44611 46373 49945 83899 47603 99155
07461 14204 83656 73579 19296 32863 97727 62689 87179 15778
76181 70828 86907 82267 05597 11115 78590 58010 55534 57565
87805 000 000

13409/12195/11526 kHz, 27-10/29-10, 1300/1320/1340 UTC
397 397 397 1 4804 95 4804 95
27590 15627 34871 41165 95409 39798 02792 62712 11461 42142
59485 28096 55668 47482 51912 20010 58313 95721 96076 82633
21934 55277 48450 06298 55080 97766 80102 78081 65072 74516
51740 25063 70227 41387 72723 89654 83148 29530 22688 58164
84825 47366 38625 95733 52419 88502 11376 29778 S7068 21511
28775 01014 81012 48142 55998 72311 67176 28573 86083 21641
51695 34709 97639 36943 90400 34422 57867 14280 74758 62256
36860 28783 73032 37911 97807 74567 16652 52715 53878 66576
86389 50323 01013 43561 45741 50725 44049 22085 85388 00411
22478 54575 43445 01046 06469 000 000

13409/12195/11526 kHz, 1900/1920/1940 UTC

13409/12195/11526 kHz, 04-10, 1900/1920/1940 UTC
397 397 397 1 1554 193 1554 193
79126 99709 44910 51273 16175 15961 32093 10422 19749 46872
26658 46904 54543 47345 94929 97741 39859 29934 10302 72277
79566 03284 31274 18194 88036 81038 81583 06561 31494 37837
97451 10962 81224 90344 49457 75352 53005 36112 78211 52237
76887 30357 17013 28264 19110 70899 90352 23948 06183 43231
55789 58701 64790 21176 06997 75841 68434 26720 63235 35136
34376 25531 78926 81911 49419 15696 15678 64197 97886 19577
44735 03746 51722 58064 95389 49208 86270 03009 99082 17136
90664 57634 00377 88262 82046 38749 46171 60048 83347 73615
06917 26285 72876 43074 17860 51355 51429 35101 78844 03414
05220 26154 26061 86605 98494 52042 06979 06725 25785 57787
89569 65424 27637 46098 44450 76740 25154 90663 99863 10669
69523 05630 80849 24270 12659 18450 30869 08647 40203 44034
97778 51169 24164 95667 11915 64530 31573 13771 89766 30004
31770 39445 34262 25560 84044 41491 98646 26778 98623 41118
26200 60764 35236 68174 33889 99589 45304 01790 73945 80044
21173 98331 66520 81749 60007 38400 41260 31969 34182 79919
45167 11382 00897 69859 78898 30078 71366 55288 40225 71166
19802 04090 10023 99084 17833 37013 15930 55989 61777 12325
19225 29782 39824 000 000

13409/12195/11526 kHz, 05-10/11-10, 1900/1920/1940 UTC
397 397 397 1 3092 183 3092 183
42615 82254 89182 79913 71422 81879 01092 52309 94448 22289
46841 20644 09887 62365 29987 87913 75091 21640 79386 09436
85687 43444 11294 85879 26746 49057 71527 29888 32254 11713
75204 84994 18804 51180 40712 31621 59337 11317 69599 31822
07432 19126 86844 23838 13778 20586 72793 36350 06527 95483
37693 97829 62810 95227 82121 99170 70960 03302 53167 22364
10351 71203 20055 82734 47083 61846 01840 58706 21653 98365
28575 63773 52039 47563 02003 66560 56598 87454 72101 06159
76263 35177 23360 36769 74019 77373 22184 23575 69057 41540
60660 56034 58148 47234 21471 36228 99070 04109 76753 51931
18746 14086 14696 08161 66907 73918 45790 15247 93223 15560

42572 83504 31200 47008 46100 75172 47842 83285 08715 69709
39662 78263 89647 80111 37705 72539 05625 04804 26092 65774
67489 52488 10700 20170 87411 62176 20481 15199 69860 00100
31583 06937 30351 53496 98967 77154 24834 11140 01134 46298
88384 15784 95393 07044 12269 40482 24438 34583 70455 94367
68293 40985 89153 27449 48070 90082 72803 11030 59595 83922
54691 32643 13424 08615 38126 32725 47912 36150 81143 60549
47705 94483 03669 000 000

13409/12195/11526 kHz, 12-10/18-10, 1900/1920/1940 UTC
397 397 397 1 5092 168 5092 168
08598 05207 94049 53995 36009 39747 45256 63239 16602 55367
86047 77482 57516 51846 53083 77287 52004 46563 40829 34369
98624 60446 92019 52661 73857 96731 66963 17378 22814 22400
67742 39229 66374 68402 51077 94471 67701 32507 64764 20793
03875 88663 73235 28124 37754 06709 66244 33677 39887 43611
36149 33623 87081 63530 38253 48151 13187 41388 80136 39276
72783 27877 40424 94200 87624 46818 12108 89113 00768 58611
09585 19496 81797 20036 30493 09960 87209 63895 14906 67148
30487 33285 77490 79201 86250 34118 52146 02843 30148 02926
81284 26313 52370 25487 48008 75996 48239 79034 40498 90935
95600 77129 32908 81274 34025 16653 51824 76044 33037 28292
60940 49290 26481 12987 08789 39497 50386 61221 07950 53505
94670 08624 58965 97841 77326 83271 67125 56310 72026 54495
61720 08174 23396 23970 71547 53346 00376 96214 45176 69596
82293 85100 69804 01855 41984 31993 99830 39182 16698 08511
25610 87016 71084 86992 96264 87336 18164 25066 03948 50752
49526 95513 95017 78540 66571 52767 25894 02511 000 000

11564/10487/9319 kHz, 1900/1920/1940 UTC

11564/10487/9319 kHz, 01-10/03-10, 1900/1920/1940 UTC
258 258 258 1 5019 254 5019 254
28404 24501 65311 76737 57621 14937 80634 00289 65479 40397
64745 85547 66717 19484 78638 47030 89187 47492 75112 60433
20109 83486 03556 89483 09569 78527 45511 88123 79320 57459
31333 08666 25573 27680 33240 60486 57081 15676 04611 89260
28670 95921 80096 24691 06947 41789 83749 83628 71595 95800
24510 55894 46692 78660 88743 44917 20944 75826 67167 79092
69424 92509 20967 08020 09063 56078 59974 39037 86242 18151
89947 73510 42880 85851 31762 24186 03389 78864 82536 77779
94776 61881 16527 83518 32948 75437 61973 46911 38935 88322
39541 81253 48508 25517 19835 36160 74953 72075 15628 50867
71815 44712 97384 53444 05883 50999 13014 60840 46898 64557
41527 42079 93289 89386 84314 07543 75981 37447 75070 33625
94104 13062 00101 97919 78608 08693 25001 17363 66015 95601
49231 31313 63236 31668 05965 50064 64495 63082 77665 81948
62423 01133 00012 74377 46795 97460 87963 59121 41201 12292
60177 37506 97004 82002 56762 58751 44610 99464 74834 97158
25998 95650 94823 51296 15325 10214 78842 61620 83421 34250
43047 12899 59781 93120 71200 92971 13049 25723 51124 81146
20729 65578 76160 53723 35424 11725 34307 81233 74905 47212
05454 65029 88247 80505 55950 66772 06308 48715 59051 36580
18618 26342 75699 06951 69244 47277 77723 03883 10801 63789
45702 18887 48340 93686 76429 60118 19489 41100 15872 03599
75905 97608 86714 36208 28796 78016 24651 79274 37170 04428
86662 64333 66670 14543 62528 94385 90178 69208 84470 88145
34000 30423 70431 11115 01510 86566 16689 94559 04075 95831
47282 65206 32843 55452 000 000

11564/10487/9319 kHz, 08-10/10-10, 1900/1920/1940 UTC

258 258 258 1 5403 296 5403 296
07123 09802 06310 11209 70886 56023 44198 81248 47035 27021
54941 81776 52066 15463 91690 47878 42009 42880 55095 79828
85751 31840 45842 18944 61286 20188 30656 34317 17337 57832
40419 72778 66653 34444 88416 13784 14860 77174 93644 73308
25011 78800 81855 64006 73498 83105 02123 04364 46931 06192
03821 37428 10253 59647 07741 75281 63959 87365 49922 50697
25367 09881 63910 89202 86601 82162 15122 17622 27045 77905
33017 64834 49234 81786 54816 06950 49984 81834 45444 78179
18065 26292 87384 11145 54010 02990 62524 07006 26702 13135
49824 27493 27252 42946 47941 15130 14890 92651 77404 91335
67982 84500 77317 69024 73173 38986 88192 28466 04830 00790
25297 82123 41920 71742 32632 99073 22495 52765 35191 83610
19637 08115 90918 13910 28081 05523 37581 06288 33844 39685
92059 57331 04429 54108 10196 33563 48974 18360 37970 15023
14797 34058 02175 25911 87836 67699 85572 55509 10314 48867
92634 62123 57460 93793 71698 59866 93581 63406 40942 67649
01404 81904 94620 65144 08730 67965 77694 87811 61545 99067
50098 04134 14794 20167 68813 85578 05940 65006 26073 60381
19950 82071 95972 84976 47050 29935 99870 10634 82409 50328
39980 85566 77416 70319 13618 32891 39436 37030 17181 19872
90004 97759 93962 11245 98767 88499 47328 37292 24980 86118
53926 28575 37333 80560 47698 19332 85931 09643 18093 78793
68093 67059 05401 11216 59087 64530 26717 44473 06548 35921
46141 68908 47824 06200 70375 22189 88108 84726 86208 58549
82606 62578 85653 96289 96401 11405 48233 96854 22620 94285
46958 29792 18936 38386 51778 22945 92358 82745 52157 34236
61782 02854 30743 89057 39976 85016 80749 31132 10185 25509
31222 01204 23434 59543 96186 05514 81404 09111 14814 47681
16297 29861 21852 12262 88961 16349 49972 09438 54421 47430
29830 05362 32569 51972 96765 79751 000 000

11564/10487/9319 kHz, 15-10/17-10, 1900/1920/1940 UTC

258 258 258 1 2049 297 2049 297
50273 61534 45596 60835 52749 48611 52749 62050 34266 38175
79691 66288 51425 30148 59218 40983 92248 40536 27302 79729
15409 12671 45026 62681 77298 64805 65188 88832 31085 45050
9398I 05026 03738 47626 94780 18809 70446 79071 14598 01565
52683 13397 21071 51218 15685 47224 76493 93494 59466 87023
97785 40386 50436 67255 79697 37601 36507 82913 83536 87942
83421 63915 30965 89215 44189 74664 62550 03798 35366 40409
70536 13177 25938 25736 27046 02011 91590 73806 46996 30073
88380 71693 29366 44060 47264 53598 54588 36481 67927 57179
82300 87532 95533 26654 18142 88766 82431 31855 07029 41019
84673 72694 58127 19057 16486 84607 14447 24700 40208 77685
46001 62700 35916 53463 99630 11728 34549 86902 41950 90589
20076 26068 35870 78186 58107 83002 17642 99283 07593 38278
19579 59744 66776 15917 45398 15615 13565 10309 27574 62655
39150 29888 96272 90241 31178 19600 51615 42070 27022 06414
54217 95528 89903 16439 20943 58605 36824 79940 60949 33483
66965 15113 16106 01929 58106 86256 95923 29939 08064 84014
98162 25340 59328 79294 51438 90186 29795 35628 67007 39507
31387 75571 72260 01179 84060 24050 69839 50336 85033 86792
78790 33623 49359 94090 95689 23987 12782 94342 32134 24921
23676 22676 34556 43006 08251 29976 36199 10609 65000 30755
28809 91195 12933 22441 02095 91392 42902 15926 19868 34056
16146 45586 44490 21270 05245 66538 74880 65236 83603 27450
77404 35452 13493 42086 14831 09710 41565 29253 92927 45093
87849 59228 85335 54277 57982 87593 20690 26917 91994 04206
81084 96850 76474 98077 08504 78088 76770 12735 37781 43711
55095 70962 27004 37549 53350 93356 77702 70845 07610 92384
49827 13648 22958 63783 46206 57186 60250 90626 63288 17630

43747 47963 73232 79307 46365 80548 58976 15415 33581 36741
32933 28829 91471 49215 98986 16887 32224 000 000

11564/10487/9319 kHz, 22-10, 1900/1920/1940 UTC
Barely audible

11564/10487/9319 kHz, 29-10/31-10, 1900/1920/1940 UTC
258 258 258 1 7559 296 7559 296
15031 91936 54038 86358 34349 40121 30219 48567 36655 09893
43196 76452 04877 56659 09491 45726 83642 81227 32244 85368
65825 04392 69319 81834 93045 26467 41487 80011 31713 89146
04532 58013 48360 89654 83888 28472 76646 63461 57638 43091
18083 94862 27630 12076 14719 47583 13761 48768 48407 93802
58698 04196 64351 32022 26321 10638 22616 72203 93312 07881
98633 50206 16853 47508 05361 85182 28092 15222 72770 81017
69079 20181 23588 89151 67284 70962 76761 57242 67114 45461
12705 92717 31604 37910 30447 00336 93660 16338 63332 73249
05855 04443 70148 49757 44457 67875 78008 80120 06715 29535
19491 98538 75997 67388 24722 38517 80606 75199 64736 55358
33876 65373 05088 47850 95174 05915 18601 78941 17060 05025
91521 11754 51888 99519 75161 64635 50031 73830 44694 99407
92952 96639 50527 37579 25970 14166 16720 64215 13187 91929
19728 18461 51600 07974 39372 40481 99353 22298 54581 38542
49273 99065 63059 01690 38013 07737 46650 76476 92225 60086
88484 06776 30504 65328 62404 37236 14846 67508 21879 81008
89193 54385 65754 25129 85295 73060 60152 43913 60146 34679
65281 27733 19249 06151 50133 93886 33579 48836 99564 18232
67515 40242 71988 53100 03445 12952 87955 86271 45569 02136
25635 31845 00418 73572 49347 94887 33311 37929 16394 64952
47583 02736 16330 57546 94803 60750 87526 24353 15194 68517
03656 66008 67942 03647 13492 48950 82395 12653 21684 72343
85104 73880 98342 58009 09044 33435 27315 45675 56803 55245
60574 95649 32442 34612 70647 64778 23912 14442 58295 42694
25425 63602 71076 77051 98479 59625 63902 96770 60079 00396
12491 20658 16245 44049 79847 73702 04393 58319 48501 61368
33434 41850 67548 59948 07942 08006 33566 33329 32998 48713
25038 67953 54356 78988 46917 21501 02803 21291 59529 49417
69532 30544 85595 56406 42753 39916 000 000

10936/10356/9153 kHz, 0800/0820/0840 UTC

10936/10356/9153 kHz, 02-10, 0800/0820/0840 UTC
931 931 931 1 1459 197 1459 197
74524 89402 04023 01651 76527 54202 46909 52031 84288 17473
67327 24479 59129 47305 97096 37900 79794 83668 44711 22895
11106 28920 61741 49448 35760 26604 88295 66005 77236 09013
55143 17321 62805 09455 05590 82685 40633 01487 74153 89159
33964 75303 77335 98991 25416 51921 66538 33227 13142 70613
17126 03194 04802 50054 63860 60308 41896 73399 37848 16889
97318 22262 25656 70582 18508 74970 25837 36184 28973 37321
16714 70694 15891 80716 99804 43631 25012 14306 94595 77013
13228 60225 51993 38825 61800 97000 58799 93093 54566 88685
97060 66151 54707 39936 04383 05737 97441 28685 36641 60591
81441 31979 65465 10068 25601 48517 63617 51387 22435 02902
34572 58667 77040 23036 61344 13280 76622 38734 89334 24667
51343 22894 62006 89875 76964 35989 25923 21519 04335 02154
03440 75555 23206 85751 44210 29040 19140 17110 49186 56780
34028 10593 21507 24050 49866 34274 55785 03691 60992 83499
50540 94383 95309 03824 30311 87858 70456 06658 35789 25850
96528 60102 20606 26006 28240 83776 67878 53238 09487 36403
37993 07720 36120 29025 72977 27214 43418 90216 91939 09700
90551 58525 53329 48232 25694 80849 78027 43591 49723 84880
94038 47805 75288 54329 60382 71838 01537 000 000

10936/10356/9153 kHz, 05-10/09-10, 0800/0820/0840 UTC
931 931 931 2227 168 2227 168
60536 19158 23521 84255 19188 41578 91033 86699 95812 89859
51852 84955 98730 04409 51039 66401 84529 94917 52206 33693
93067 65415 19476 46528 92137 45863 95980 22541 36016 94696
11068 24107 06161 92912 28874 46756 38153 21216 77277 32792
66701 78088 06671 38517 42559 72333 34406 39727 05965 58139
52500 04114 94805 67107 59775 00853 99466 04808 90392 26097
62231 46462 54838 36380 70709 37866 80751 20780 29259 39773
32488 22752 89287 34604 43571 36930 59351 98351 64322 56576
61915 35994 05950 11061 20052 68977 88442 21740 86808 54610
09914 28776 32282 72841 04394 65689 53787 67576 27124 19027
83225 86880 54799 18471 35259 56218 33410 97547 31819 87852
52718 38497 01612 26007 48152 74806 94446 57862 17605 30737
74517 04256 82832 36450 21058 65137 27494 97675 77819 79084
08136 90825 69960 26173 95815 75417 75795 75589 18622 37291
73314 80602 76966 13571 40691 60038 99891 27414 22333 02048
37904 68232 24097 47898 73956 62021 37566 07599 87165 49208
95463 76132 84304 36881 19935 47749 08966 54771 000 000

10936/10356/9153 kHz, 12-10/16-10, 0800/0820/0840 UTC
931 931 931 1 4194 134 4194 134
38278 51844 94631 68002 88992 57284 20130 10001 36171 96051
34697 36020 32792 76226 89043 03_38 32350 26893 14026 28890
09682 93541 23279 67164 54532 91658 91814 10169 92196 22185
28965 80697 44779 20196 59005 35935 84902 96157 81902 35826
05988 70616 17949 45904 37378 76037 77864 16990 34199 53532
36170 86237 81966 06477 66246 71883 32974 20953 32978 63172
41298 17277 84167 42760 60014 17722 68747 83953 37795 08698
35845 59666 37537 99469 24874 21667 43255 18798 63981 09892
00820 41731 69687 43334 94122 28891 32588 73318 14228 32659
25573 32152 82411 25464 87970 26615 27329 82013 72182 05900
38040 11199 99785 45141 34962 76339 76918 47080 34614 40214
47823 89066 51389 85164 51920 62209 81769 40705 32128 72799
15193 93188 10831 17494 37708 08230 47405 42519 60056 81606
47632 71017 13330 05466 000 000

10936/10356/9153 kHz, 19-10/22-10, 0800/0820/0840 UTC
931 931 931 1 2297 104 2297 104
47347 67644 80381 99848 75256 55675 19140 49209 71739 68490
55926 75004 49427 69854 67972 21728 83331 83002 47216 53938
86574 82613 05055 66674 31335 33477 70484 22068 26477 64841
49037 60037 69841 03109 85596 96887 42147 59951 37936 99352
30714 47932 55669 07027 14124 08231 27019 16056 61526 10255
27871 20238 58252 41197 33366 09686 09321 09801 25489 08707
18902 92670 87193 78833 73922 83191 61959 39903 42740 89739
01395 08210 68863 27715 18530 15456 76810 32901 67787 22624
33977 65827 12686 07573 19868 55707 10447 60144 81188 72544
58733 49641 52958 75371 96503 84809 29242 97527 66546 80001
54911 72177 95548 15624 000 000

10936/10356/9153 kHz, 26-10/30-10, 0800/0820/0840 UTC
931 931 931 1 1771 179 1771 179
53386 78210 06133 94193 02952 08889 84540 95268 37568 12888
16420 92806 45790 84559 28420 18131 41587 72485 85275 66579
48530 18298 15963 33940 17878 91052 44298 47561 87035 88988
61292 36629 47621 24118 87746 62407 82567 08627 61450 89423
34422 28101 86145 12914 45983 63698 31580 45611 51015 12226
23392 82933 09720 66244 14211 19961 42917 90462 50750 30819
24767 47360 53829 86109 79031 14271 89113 92923 56645 54920
85597 88451 24581 03366 59726 40389 91908 97090 81569 99221
49521 47175 19607 12528 15844 89745 22624 99617 33497 03191
33511 23447 67126 47657 67659 51088 66509 43557 21207 39673

43454 26869 50056 11290 83469 17527 80026 15510 17854 74524
09913 73263 74126 00725 96871 26139 16605 97530 52599 39288
05284 42094 26192 85098 77535 00237 06088 45662 36944 17911
59146 12630 70554 94352 65115 56538 64651 57788 46826 80765
60968 82675 94553 73811 58275 69819 03774 77952 42101 60656
56498 33932 82111 97453 99514 41789 96690 93485 28929 71425
33922 77829 85939 54478 72698 23642 65705 90801 81860 06285

7976/9152/10312 kHz, 2100/2120/2140 UTC

7976/9152/10312 kHz, 02-10/03-10/09-10/10-10, 2100/2120/2140 UTC
913 913 913 1 2728 124 3728 124
96702 87034 82504 77394 88434 31722 87982 68588 52138 81217
99021 67743 87037 20920 26592 33802 16553 64334 97019 42837
19848 21060 56781 38614 82724 93122 67852 58059 13684 37040
38997 53864 71271 70672 77716 66102 81163 26164 64574 36195
94527 17867 92960 54401 95109 97343 51358 62720 79986 52966
78492 62716 43918 26792 30022 06412 45774 66614 24137 68327
06779 71217 29033 34821 10081 87114 10214 87106 21139 71466
83524 80266 83693 98827 47904 17767 70732 47138 00403 13311
03702 67567 26341 73061 91877 38052 23969 44647 98714 90572
43105 16684 00741 32841 09222 06114 86070 76576 13687 84082
53949 78264 36919 03532 09199 95512 55802 16488 81692 63563
81763 63146 13196 48270 69125 79254 63235 54990 17632 95217
71907 80758 41825 31191 000 000

7976/9152/10312 kHz, 16-10/17-10/23-10/24-10, 2100/2120/2140 UTC
913 913 913 1 3208 157 3208 157
80583 08962 93169 79569 40618 50668 07367 40907 38120 35685
09960 03423 21017 59497 49743 90278 82379 94597 51451 95885
40748 18947 40405 63358 75990 92630 82364 38868 19577 54811
19595 18746 98478 40344 36328 06512 50653 61140 28685 07250
55433 77834 60403 29970 37847 23095 09264 72842 35698 65645
72394 72769 49741 53916 47691 34558 70649 21415 18216 42422
52932 65926 34023 89074 44142 97962 37839 86454 36156 64030
62920 42008 06050 59723 69371 07600 50901 53762 98570 41264
37939 59299 78045 38484 48486 65008 79540 77408 67110 44538
07654 72908 60356 09955 20486 86252 48522 85294 80285 16636
86676 50791 22882 98593 50608 69337 98947 59029 70376 54154
43865 32244 50293 81245 99481 18250 61584 42405 08296 77049
91775 14235 73323 78607 83056 44149 37143 64955 68502 63110
56793 76752 93555 53655 02854 51859 45879 66757 78725 28437
41869 10418 18609 65419 31975 87248 20586 11700 50959 11685
87828 17190 55288 66269 08777 81891 80541 000 000

M14

12211/10243 kHz, 30-09/01-10, 0500/0520 UTC
952 173 173 44 44 = =
10589 14692 53171 70906 01330 62517 40396 47424 85408 87918
80235 49756 07569 25346 71087 75630 60137 29858 30412 98153
12724 44890 27312 97493 14389 31838 24209 37976 22863 34895
94776 26521 40501 79579 10339 13374 61664 28396 11908 21050
61214 42058 10056 12447
= = 173 173 44 44

952 460 460 15 15 = =
95093 01309 82223 61023 76279 34467 37964 58526 02996 90125
57024 09504 95540 37536 99396
= = 460 460 15 15 00000

12211/10243 kHz, 02-10, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 05-10/06-10, 0500/0520 UTC
952 837 837 52 52 = =
68303 35835 04992 89235 32671 35480 75349 17239 31397 10828
01609 00719 32677 51374 48799 27599 64971 18629 95531 21276
71998 39856 96464 21718 61977 73011 00733 46349 55784 66308
43516 16650 63733 60847 52943 61427 45655 09747 39515 32675
33955 12228 60236 94973 24360 86057 74635 74359 64022 26801
34871 77607
= = 837 837 52 52 00000

12211/10243 kHz, 07-10/08-10, 0500/0520 UTC
952 183 183 24 24 = =
63868 92073 41324 49898 19331 80057 47886 66900 22057 18429
24767 57828 28561 96110 33973 49643 08777 69438 58845 23885
59786 81014 49043 90748 = =
183 183 24 24 52

952 604 604 27 27 = =
79446 60257 43711 17049 55683 97937 41081 46831 95425 14739
23397 77705 17687 70004 09443 60545 82843 32015 33658 39534
26860 34769 90205 48074 63036 40562 58706
= = 604 604 27 27 00000

12211/10243 kHz, 09-10, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 12-10/13-10, 0500/0520 UTC
952 178 178 54 54 = =
97409 82800 83919 14083 81420 94098 29357 49568 18205 64154
57074 09246 91482 52164 41067 28110 76304 08747 86246 64871
11993 34398 89515 51092 66592 95486 88445 78315 91255 89939
58487 27872 88010 79829 44653 73039 39348 33047 38612 08268
73053 41234 37127 85131 60740 06183 42787 59709 73506 11875
92952 81083 43159 24351
= = 178 178 54 54 00000

12211/10243 kHz, 14-10/15-10, 0500/0520 UTC
952 810 810 29 29 = =
52963 74312 04547 04223 25528 73659 82245 89237 91697 02476
78548 43886 90666 26228 43329 05204 20961 79328 32508 47111
98738 50357 02924 98497 66963 21679 79168 21172 03892
= = 810 810 29 29

952 346 346 30 30 = =
62120 38888 86127 29383 56267 45324 96689 73626 32201 86361
47689 52502 20099 64036 80041 99278 04730 69367 59652 72553
99477 46191 65345 39676 82167 64079 22213 87207 66156 67534
= = 346 345 30 30 00000

12211/10243 kHz, 16-10, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 19-10/20-10, 0500/0520 UTC
952 741 741 60 60 = =
61176 33130 79650 21134 73564 88831 95999 37295 52523 04760
33171 70088 47550 17151 91077 87700 17729 87118 78771 27859
88970 05625 33072 59688 07064 77458 32202 20663 66202 82658
96637 89607 17704 38808 94351 81652 88571 12653 92638 76118
64628 54468 23708 13228 17874 53617 56237 20622 82772 38747
90067 55584 11153 71037 16232 73937 60416 03962 09500 61525
= = 741 741 60 60 000

12211/10243 kHz, 21-10, 0500/0520 UTC
12211 kHz, 22-10, 0500 UTC
10243 kHz, 22-10, 0520 UTC. Off after the callup
952 603 603 25 25 = =
31672 95121 18126 60879 33073 09916 17276 13682 38106 18999
76337 47433 50160 51116 72994 95356 34343 01788 09828 70226
28916 09282 87912 01132 72860
= = 603 603 25 25

952 187 187 25 25 = =
68513 37790 45107 20676 89956 01076 42966 22491 88472 75135
92060 18864 09524 99660 27735 45975 06250 76556 15544 86747
44027 61486 52735 97014 25048
= = 187 187 25 25 00000

12211/10243 kHz, 23-10, 0500/0520 UTC
952 952 952 00000

12211/10243 kHz, 26-10, 0500/0520 UTC / 12211 kHz, 27-10, 0500 UTC
10243 kHz, 27-10, 0520 UTC: 952 (R 4m) then off
952 463 463 57 57 = =
17681 46601 85925 67996 89812 02218 35969 63864 26598 19365
17808 03445 25942 70854 86860 95739 67395 02155 84139 89048
83651 07670 11319 15060 24727 70373 22698 17408 44505 13269
76239 75638 64327 36105 10891 60527 93324 35775 42347 81682
10170 33853 94469 13365 35954 59691 08531 09477 52855 62527
97483 43639 48292 51023 37432 03532 89266
= = 463 463 57 57 00000

12211/10243 kHz, 28-10, 0500/0520 UTC
952 801 801 24 24 = =
30495 09645 82355 38494 62974 70463 04853 79266 06926 18201
64477 35203 282?6 07459 84569 81478 86807 13590 59749 90474
87368 20246 96009 39650
= = 801 801 24 24

952 374 374 29 29 = =
02836 43573 33974 43824 86375 11089 71060 58608 96734 69924
10112 15780 64702 82740 28335 89580 71876 65576 09814 86681
91701 28707 83094 57495 37808 36439 07723 23204 4870
= = 374 374 29 29 00000

12211/10243 kHz, 30-10, 0500/0520 UTC
952 952 952 00000

M23

4822 kHz, 01 & 03-10, 0059 UTC	3 (R25m)
4822 kHz, 01, 02 & 03-10, 0159 UTC	1 (R25m)
4822 kHz, 01 & 03-10, 0259 UTC	1 (R25m)
5345 kHz, 01, 02 & 03-10, 0559 UTC	4 (R25m)
5345 kHz, 01 & 03-10, 0659 UTC	4 (R25m)
5345 kHz, 01, 02 & 03-10, 0759 UTC	1 (R25m)
5345 kHz, 01, 02 & 03-10, 0859 UTC	1 (R25m)
9476 kHz, 01-10/03-10, 0959 UTC	1 (R25m)
9476 kHz, 01-10/03-10, 1059 UTC	1 (R25m)
11428 kHz, 01-10/03-10, 1159 UTC	1 (R25m)
11428 kHz, 01-10/03-10, 1259 UTC	4 (R25m)
11428 kHz, 01-10/03-10, 1359 UTC	4 (R25m)
11428 kHz, 01-10/03-10, 1459 UTC	3 (R25m)
9811 kHz, 02-10/03-10, 1559 UTC	2 (R25m)
9811 kHz, 02-10/03-10, 1659 UTC	2 (R25m)
7542 kHz, 01-10/03-10, 1759 UTC	2 (R25m)
7542 kHz, 01-10/03-10, 1859 UTC	2 (R25m)
10916 kHz, 07-10/17-10 , 1159 UTC	5 (R25m)
10916 kHz, 07-10/17-10 , 1229 UTC	5 (R25m)
10916 kHz, 06-10/16-10 , 1259 UTC	5 (R25m)
10916 kHz, 06-10/16-10 , 1329 UTC	5 (R25m)
10916 kHz, 06-10/16-10 , 1359 UTC	5 (R25m)
10916 kHz, 06-10/16-10 , 1429 UTC	5 (R25m)
10916 kHz, 06-10/16-10 , 1459 UTC	5 (R25m)

5921 kHz, 09-10/17-10 , 0459 UTC	5 (R25m)	9886 kHz, 15-10/17-10 , 1129 UTC	5 (R25m)
5921 kHz, 09-10/17-10 , 0529 UTC	5 (R25m)		
5921 kHz, 09-10/16-10 , 0659 UTC	5 (R25m)	10916 kHz, 27-10, 1452 UTC	i.p. 5 (R)
5921 kHz, 09-10/16-10 , 0729 UTC	5 (R25m)		
5921 kHz, 09-10/17-10 , 0759 UTC	5 (R25m)	7668 kHz, 27-10, 1759 UTC	5 (R 25m)
5921 kHz, 09-10/17-10 , 0829 UTC	5 (R25m)	7668 kHz, 27-10, 1829 UTC	5 (R 25m)
5921 kHz, 09-10/16-10 , 1959 UTC	5 (R25m)		
5921 kHz, 09-10/16-10 , 2029 UTC	5 (R25m)	5921 kHz, 27-10, 2259 UTC	5 (R 25m)
5921 kHz, 10-10/16-10 , 2059 UTC	5 (R25m)	5921 kHz, 27-10, 2329 UTC	5 (R 25m)
5921 kHz, 10-10/16-10 , 2129 UTC	5 (R25m) (not on 11-10)		
5921 kHz, 10-10/16-10 , 2159 UTC	5 (R25m) (not on 11-10)	4444 kHz, 28-10, 0059 UTC	5 (R 25m)
5921 kHz, 10-10/16-10 , 2229 UTC	5 (R25m)	4444 kHz, 28-10, 0129 UTC	5 (R 25m)
5921 kHz, 09-10/16-10 , 2259 UTC	5 (R25m)		
5921 kHz, 09-10/16-10 , 2329 UTC	5 (R25m)	5921 kHz, 28-10, 0659 UTC	5 (R 25m)
		5921 kHz, 28-10, 0729 UTC	5 (R 25m)
4444 kHz, 13-10/17-10 , 0029 UTC	5 (R25m)	5921 kHz, 28-10, 0759 UTC	5 (R 25m)
4444 kHz, 09-10/18-10 , 0059 UTC	5 (R25m)	5921 kHz, 28-10, 0829 UTC	5 (R 25m)
4444 kHz, 09-10/17-10 , 0129 UTC	5 (R25m)		
4444 kHz, 13-10/17-10 , 0159 UTC	5 (R25m) not on 15-10	9886 kHz, 28-10, 0859 UTC	5 (R 25m)
4444 kHz, 13-10/17-10 , 0229 UTC	5 (R25m) not on 15-10	9886 kHz, 28-10, 0929 UTC	5 (R 25m)
		9886 kHz, 28-10, 0959 UTC	5 (R 25m)
7668 kHz, 13-10/16-10 ,1759 UTC	5 (R25m)		
7668 kHz, 13-10/16-10 ,1829 UTC	5 (R25m)	5450 kHz, 28-10/30-10, 1659 UTC	5 (R 25m)
7668 kHz, 13-10/16-10 ,1859 UTC	5 (R25m)	5450 kHz, 29-10/30-10, 1729 UTC	5 (R 25m)
7668 kHz, 13-10/16-10 ,1929 UTC	5 (R25m)	5450 kHz, 28-10/30-10, 1959 UTC	5 (R 25m)
		5450 kHz, 28-10/30-10, 2029 UTC	5 (R 25m)
9886 kHz, 15-10/17-10 , 0859 UTC	5 (R25m)	5450 kHz, 29-10/30-10, 0459 UTC	5 (R 25m)
9886 kHz, 15-10/17-10 , 0929 UTC	5 (R25m)	5450 kHz, 29-10, 0529 UTC	5 (R 25m)
9886 kHz, 15-10/17-10 , 0959 UTC	5 (R25m)	5450 kHz, 30-10, 0559 UTC	5 (R 25m)
9886 kHz, 15-10/17-10 , 1029 UTC	5 (R25m)	5450 kHz, 30-10, 0629 UTC	5 (R 25m)
9886 kHz, 15-10/17-10 , 1059 UTC	5 (R25m)		

M89 - Chinese Military

4847 kHz, 22-10, 1357 UTC
OCTS2 DE FKJ3 FKJ3 K
MA JAI2 JAI2 DE CC6K CC6K QSA2 QSA2 K
R QSA2 HR HR ?
GA K
R OK GA K
R É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67 EX HR NW AANU E 3D67/H2N AR
É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67/H2N AR
É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67/H2N AR
É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67/H2N AR
É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67/H2N AR
É É NR 1364/EX 2204 RMKS 3615 TO 3600 = E 3D67/H2N AR
R OK QSL 2206 2206 K
R OK É GA K
R OK É NR 2052/EX 2207 RMKS 3600 TO 3061 E S = S6L5/M3X9 AR
É É NR 2052/EX 2207 RMKS 3500 TO 3615 = S6L5/M3X9 AR
É É NR 2052/EX 2207 RMKS 3500 TO 3615 = S6L5/M3X9 AR
É É NR 2052/EX 2207 RMKS 3500 TO 3615 = S6L5/M3X9 AR
R QSL 2210 2210 OK R NIL SK SK

UM04 - PROMRCh

4735 kHz, 01-10, 0701 UTC
VVV VVV PROMRCh = 01 10 =
1000 0740 0780 0920 1030
1200 0790 0830 0960 1360
1400 0830 0860 1000 1400
1600 0780 0820 0960 1350
1800 0770 0810 0940 1350
2000 0670 0700 0800 1100
2200 0490 0500 0520 0800
0000 0440 0450 0510 0680
0200 0410 0410 0470 0660
0400 0370 0380 0430 0590
0600 0400 0420 0490 0690
0800 0610 0650 0780 1150 =
ABV
VVV VVV PROMRCh = 01 10 =
1000 0740 0780 0920 1030
1200 0790 0830 0960 1360
1400 0830 0860 1000 1400
1600 0780 0820 0960 1350
1800 0770 0810 0940 1350
2000 0670 0700 0800 1100
2200 0490 0500 0520 0800
0000 0440 0450 0510 0680
0200 0410 0410 0470 0660
0400 0370 0380 0430 0590
0600 0400 0420 0490 0690
0800 0610 0650 0780 1150 =
AR

4735 kHz, 02-10, 0700 UTC
VVV VVV PROMRCh = 02 10 =
1000 0740 0780 0920 1330
1200 0800 0830 0970 1370
1400 0830 0870 1000 1410
1600 0790 0830 0960 1360
1800 0770 0810 0950 1360
2000 0670 0700 0800 1110
2200 0480 0500 0570 0790
0000 0440 0450 0500 0680
0200 0410 0410 0470 0620
0400 0370 0380 0440 0590
0600 0400 0420 0490 0690
0800 0610 0650 0780 1140 =
ABV
VVV VVV PROMRCh = 02 10 =
1000 0740 0780 0920 1330
1200 0800 0830 0970 1370
1400 0830 0870 1000 1410
1600 0790 0830 0960 1360
1800 0770 0810 0950 1360
2000 0670 0700 0800 1110
2200 0480 0500 0570 0790
0000 0440 0450 0500 0680
0200 0410 0410 0470 0620
0400 0370 0380 0440 0590
0600 0400 0420 0490 0690
0800 0610 0650 0780 1140 =
AR

4735 kHz, 03-10, 0700 UTC
VVV VVV PROMRCh = 03 10 =
1000 0740 0780 0920 1330
1200 0800 0840 0970 1380
1400 0840 0870 1010 1410
1600 0800 0840 0970 1370
1800 0780 0820 0960 1360
2000 0660 0690 0790 1100
2200 0470 0490 0570 0780
0000 0430 0450 0500 0670
0200 0400 0410 0460 0620
0400 0380 0390 0440 0590
0600 0400 0420 0490 0680
0800 0610 0650 0780 1150 =
ABV
VVV VVV PROMRCh = 03 10 =
1000 0740 0780 0920 1330
1200 0800 0840 0970 1380
1400 0840 0870 1010 1410
1600 0800 0840 0970 1370
1800 0780 0820 0960 1360
2000 0660 0690 0790 1100
2200 0470 0490 0570 0780
0000 0430 0450 0500 0670
0200 0400 0410 0460 0620
0400 0380 0390 0440 0590
0600 0400 0420 0490 0680
0800 0610 0650 0780 1150 =
AR

4735 kHz, 04-10, 0700 UTC
VVV VVV PROMRCh = 04 10 =
1000 0740 0780 0930 1340
1200 0800 0840 0980 1390
1400 0840 0880 1010 1430
1600 0810 0850 0980 1390
1800 0790 0830 0970 1380
2000 0660 0490 0780 1090
2200 0470 0490 0560 0770
0000 0430 0440 0500 0670
0200 0400 0410 0460 0620
0400 0380 0390 0440 0590
0600 0400 0420 0480 0680
0800 0600 0650 0780 1150 =
ABV
VVV VVV PROMRCh = 04 10 =
1000 0740 0780 0930 1340
1200 0800 0840 0980 1390
1400 0840 0880 1010 1430
1600 0810 0850 0980 1390
1800 0790 0830 0970 1380
2000 0660 0490 0780 1090
2200 0470 0490 0560 0770
0000 0430 0440 0500 0670
0200 0400 0410 0460 0620
0400 0380 0390 0440 0590
0600 0400 0420 0480 0680
0800 0600 0650 0780 1150 =
AR

4735 kHz, 05-10, 0700 UTC
VVV VVV PROMRCh = 05 10 =
1000 0740 0780 0920 1340
1200 0810 0840 0980 1400
1400 0840 0880 1020 1430
1600 0820 0860 0990 1400
1800 0790 0830 0970 1390
2000 0650 0680 0780 1080
2200 0460 0480 0550 0750
0000 0430 0440 0490 0660
0200 0400 0410 0470 0620
0400 0380 0390 0440 0600
0600 0390 0410 0480 0680
0800 0600 0640 0780 1150 =
ABV
VVV VVV PROMRCh = 05 10 =
1000 0740 0780 0920 1340
1200 0810 0840 0980 1400
1400 0840 0880 1020 1430
1600 0820 0860 0990 1400
1800 0790 0830 0970 1390
2000 0650 0680 0780 1080
2200 0460 0480 0550 0750
0000 0430 0440 0490 0660
0200 0400 0410 0470 0620
0400 0380 0390 0440 0600
0600 0390 0410 0480 0680
0800 0600 0640 0780 1150 =
AR

4735 kHz, 06-10, 0701 UTC
VVV VVV PROMRCh = 06 10 =
1000 0730 0780 0930 1340
1200 0810 0850 0990 1400
1400 0850 0880 1020 1440
1600 0820 0860 1000 1420
1800 0790 0840 0970 1400
2000 0650 0680 0770 1070
2200 0450 0470 0530 0740
0000 0420 0430 0490 0650
0200 0400 0410 0460 0620
0400 0380 0390 0440 0600
0600 0390 0410 0470 0670
0800 0590 0640 0770 1150 =
ABV
VVV VVV PROMRCh = 06 10 =
1000 0730 0780 0930 1340
1200 0810 0850 0990 1400
1400 0850 0880 1020 1440
1600 0820 0860 1000 1420
1800 0790 0840 0970 1400
2000 0650 0680 0770 1070
2200 0450 0470 0530 0740
0000 0420 0430 0490 0650
0200 0400 0410 0460 0620
0400 0380 0390 0440 0600
0600 0390 0410 0470 0670
0800 0590 0640 0770 1150 =
AR

4735 kHz, 07-10, 0701 UTC
VVV VVV PROMRCh = 07 10 =
1000 0730 0780 0920 1350
1200 0810 0850 0990 1420
1400 0850 0890 1030 1440
1600 0830 0870 1010 1430
1800 0800 0840 0880 1400
2000 0640 0670 0770 1060
2200 0440 0460 0520 0730
0000 0410 0430 0480 0640
0200 0400 0410 0460 0620
0400 0390 0400 0450 0600
0600 0390 0400 0470 0660
0800 0590 0640 0770 1050 =
ABV
VVV VVV PROMRCh = 07 10 =
1000 0730 0780 0920 1350
1200 0810 0850 0990 1420
1400 0850 0890 1030 1440
1600 0830 0870 1010 1430
1800 0800 0840 0880 1400
2000 0640 0670 0770 1060
2200 0440 0460 0520 0730
0000 0410 0430 0480 0640
0200 0400 0410 0460 0620
0400 0390 0400 0450 0600
0600 0390 0400 0470 0660
0800 0590 0640 0770 1050 =
AR

4735 kHz, 08-10, 0702 UTC
VVV VVV PROMRCh = 08 10 =
1000 0730 0680 0830 1350
1200 0810 0860 1000 1420
1400 0860 0900 1030 1300
1600 0840 0880 1030 0450
1800 0800 0540 0980 1410
2000 0640 0670 0760 1060
2200 0430 0450 0520 0720
0000 0410 0420 0470 0640
0200 0400 0410 0460 0620
0400 0390 0400 0450 0610
0600 0380 0400 0470 0660
0800 0590 0640 0770 1150 =
ABV
VVV VVV PROMRCh = 08 10 =
1000 0730 0680 0830 1350
1200 0810 0860 1000 1420
1400 0860 0900 1030 1300
1600 0840 0880 1030 0450
1800 0800 0540 0980 1410
2000 0640 0670 0760 1060
2200 0430 0450 0520 0720
0000 0410 0420 0470 0640
0200 0400 0410 0460 0620
0400 0390 0400 0450 0610
0600 0380 0400 0470 0660
0800 0590 0640 0770 1150 =
AR

4735 kHz, 09-10, 0700 UTC
VVV VVV PROMRCh = 09 10 =
1000 0730 0780 0930 1350
1200 0820 0860 1010 1430
1400 0860 0900 1040 1470
1600 0850 0890 1030 1470
1800 0810 0850 0990 1420
2000 0630 0660 0760 1050
2200 0430 0440 0510 0700
0000 0400 0420 0470 0630
0200 0390 0400 0460 0610
0400 0390 0400 0450 0610
0600 0380 0400 0460 0650
0800 0590 0630 0770 1150 =
ABV
VVV VVV PROMRCh = 09 10 =
1000 0730 0780 0930 1350
1200 0820 0860 1010 1430
1400 0860 0900 1040 1470
1600 0850 0890 1030 1470
1800 0810 0850 0990 1420
2000 0630 0660 0760 1050
2200 0430 0440 0510 0700
0000 0400 0420 0470 0630
0200 0390 0400 0460 0610
0400 0390 0400 0450 0610
0600 0380 0400 0460 0650
0800 0590 0630 0770 1150 =
AR

4735 kHz, 10-10, 0700 UTC
VVV VVV PROMRCh = 10 10 =
1000 0730 0780 0930 1360
1200 0830 0870 1010 1450
1400 0870 0910 1050 1480
1600 0870 0910 1050 1490
1800 0820 0850 0980 1380
2000 0630 0660 0760 1050
2200 0420 0440 0500 0690
0000 0400 0410 0460 0620
0200 0390 0400 0450 0610
0400 0390 0400 0450 0510
0600 0380 0390 0460 0650
0800 0590 0630 0780 1160 =
ABV
VVV VVV PROMRCh = 10 10 =
1000 0730 0780 0930 1360
1200 0830 0870 1010 1450
1400 0870 0910 1050 1480
1600 0870 0910 1050 1490
1800 0820 0850 0980 1380
2000 0630 0660 0760 1050
2200 0420 0440 0500 0690
0000 0400 0410 0460 0620
0200 0390 0400 0450 0610
0400 0390 0400 0450 0510
0600 0380 0390 0460 0650
0800 0590 0630 0780 1160 =
AR

4735 kHz, 11-10, 0700 UTC
VVV VVV PROMRCh = 11 10 =
1000 0740 0790 0940 1380
1200 0840 0880 1030 1460
1400 0880 0920 1060 1500
1600 0880 0930 1070 1520
1800 0830 0870 1000 1390
2000 0630 0660 0760 1050
2200 0410 0420 0490 0680
0000 0390 0400 0460 0620
0200 0390 0400 0450 0600
0400 0390 0600 0450 0610
0600 0370 0390 0450 0640
0800 0590 0640 0780 1160 =
ABV
VVV VVV PROMRCh = 11 10 =
1000 0740 0790 0940 1380
1200 0840 0880 1030 1460
1400 0880 0920 1060 1500
1600 0880 0930 1070 1520
1800 0830 0870 1000 1390
2000 0630 0660 0760 1050
2200 0410 0420 0490 0680
0000 0390 0400 0460 0620
0200 0390 0400 0450 0600
0400 0390 0600 0450 0610
0600 0370 0390 0450 0640
0800 0590 0640 0780 1160 =
AR

4735 kHz, 12-10, 0700 UTC
VVV VVV PROMRCh = 12 10 =
1000 0750 0790 0950 1380
1200 0850 0890 1040 1480
1400 0900 0940 1080 1520
1600 0900 0940 1090 1540
1800 0840 0880 1010 1410
2000 0630 0660 0750 1050
2200 0400 0420 0480 0670
0000 0390 0400 0450 0610
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0370 0390 0450 0640
0800 0590 0640 0780 1170 =
ABV
VVV VVV PROMRCh = 12 10 =
1000 0750 0790 0950 1380
1200 0850 0890 1040 1480
1400 0900 0940 1080 1520
1600 0900 0940 1090 1540
1800 0840 0880 1010 1410
2000 0630 0660 0750 1050
2200 0400 0420 0480 0670
0000 0390 0400 0450 0610
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0370 0390 0450 0640
0800 0590 0640 0780 1170 =
AR

4735 kHz, 13-10, 0701 UTC
VVV VVV PROMRCh = 13 10 =
1000 0750 0800 0950 1390
1120 0085 0090 0105 0150
1400 0900 0940 1090 1530
1600 0910 0950 1100 1560
1800 0850 0890 1020 1420
2000 0630 0660 0750 1050
2200 0400 0420 0480 0670
0000 0380 0390 0450 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0370 0380 0450 0630
0800 0600 0640 0790 1180 =
ABV
VVV VVV PROMRCh = 13 10 =
1000 0750 0800 0950 1390
1120 0085 0090 0105 0150
1400 0900 0940 1090 1530
1600 0910 0950 1100 1560
1800 0850 0890 1020 1420
2000 0630 0660 0750 1050
2200 0400 0420 0480 0670
0000 0380 0390 0450 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0370 0380 0450 0630
0800 0600 0640 0790 1180 =
AR

4735 kHz, 15-10, 0700 UTC
VVV VVV PROMRCh = 15 10 =
1000 0760 0810 0970 1410
1200 0870 0910 1070 1520
1400 0910 0950 1100 1540
1600 0920 0970 1120 1590
1800 0860 0900 1030 1440
2000 0630 0660 0750 1050
2200 0390 0410 0470 0650
0000 0380 0390 0440 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0360 0380 0440 0620
0800 0600 0650 0800 1200 =
ABV
VVV VVV PROMRCh = 15 10 =
1000 0760 0810 0970 1410
1200 0870 0910 1070 1520
1400 0910 0950 1100 1540
1600 0920 0970 1120 1590
1800 0860 0900 1030 1440
2000 0630 0660 0750 1050
2200 0390 0410 0470 0650
0000 0380 0390 0440 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0360 0380 0440 0620
0800 0600 0650 0800 1200 =
AR

4735 kHz, 16-10, 0700 UTC
VVV VVV PROMRCh = 16 10 =
1000 0760 0810 0970 1420
1200 0870 0920 1070 1530
1400 0910 0960 0110 1560
1600 0930 0980 1130 1600
1800 0860 0900 1030 1450
2000 0630 0660 0750 1040
2200 0390 0410 0470 0650
0000 0380 0390 0440 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0360 0380 0440 0620
0800 0610 0650 0810 1450 =
ABV
VVV VVV PROMRCh = 16 10 =
1000 0760 0810 0970 1420
1200 0870 0920 1070 1530
1400 0910 0960 0110 1560
1600 0930 0980 1130 1600
1800 0860 0900 1030 1450
2000 0630 0660 0750 1040
2200 0390 0410 0470 0650
0000 0380 0390 0440 0600
0200 0380 0390 0450 0600
0400 0390 0400 0450 0610
0600 0360 0380 0440 0620
0800 0610 0650 0810 1450 =
AR

4735 kHz, 17-10, 0700 UTC
VVV VVV PROMRCh = 17 10 =
1000 0770 0820 0980 1430
1200 0880 0930 1090 1550
1400 0920 0970 1120 1580
1600 0940 0990 1150 1630
1800 0870 0910 1050 1460
2000 0630 0660 0760 1040
2200 0390 0410 0470 0650
0000 0780 0390 0440 0590
0200 0380 0390 0470 0600
0400 0390 0400 0450 0610
0600 0360 0390 0450 0620
0800 0610 0660 0810 1230 =
ABV
VVV VVV PROMRCh = 17 10 =
1000 0770 0820 0980 1430
1200 0880 0930 1090 1550
1400 0920 0970 1120 1580
1600 0940 0990 1150 1630
1800 0870 0910 1050 1460
2000 0630 0660 0760 1040
2200 0390 0410 0470 0650
0000 0780 0390 0440 0590
0200 0380 0390 0470 0600
0400 0390 0400 0450 0610
0600 0360 0390 0450 0620
0800 0610 0660 0810 1230 =
AR

4735 kHz, 18-10, 0700 UTC

VVV VVV PROMRCh = 18 10 =
1000 0780 0830 0990 1450
1200 0890 0940 1090 1570
1400 0930 0970 1130 1580
1600 0950 1000 1160 1640
1800 0880 0920 1050 1470
2000 0630 0660 0760 1040
2200 0390 0410 0460 0640
0000 0380 0380 0440 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0620 0670 0820 1230 =
ABV
VVV VVV PROMRCh = 18 10 =
1000 0780 0830 0990 1450
1200 0890 0940 1090 1570
1400 0930 0970 1130 1580
1600 0950 1000 1160 1640
1800 0880 0920 1050 1470
2000 0630 0660 0760 1040
2200 0390 0410 0460 0640
0000 0380 0380 0440 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0620 0670 0820 1230 =
AR

4735 kHz, 19-10, 0700 UTC

VVV VVV PROMRCh = 19 10 =
1000 0780 0830 0990 1460
1200 0900 0940 1100 1580
1400 0930 0980 1130 1590
1600 0960 1000 1170 1650
1800 0890 0920 1060 1480
2000 0630 0660 0760 1040
2200 0380 0400 0460 0630
0000 0370 0380 0440 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0620 0670 0830 1240 =
ABV
VVV VVV PROMRCh = 19 10 =
1000 0780 0830 0990 1460
1200 0900 0940 1100 1580
1400 0930 0980 1130 1590
1600 0960 1000 1170 1650
1800 0890 0920 1060 1480
2000 0630 0660 0760 1040
2200 0380 0400 0460 0630
0000 0370 0380 0440 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0620 0670 0830 1240 =
AR

4735 kHz, 20-10, 0701 UTC

VVV VVV PROMRCh = 20 10 =
1000 0790 0840 1010 1480
1200 0910 0960 1120 1610
1400 0950 0990 1150 1610
1600 0980 1020 1190 1680
1800 0900 0050 1060 1500
2000 0640 0670 0760 1050
2200 0380 0400 0460 0630
0000 0370 0380 0430 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0630 0680 0840 1260 =
ABV
VVV VVV PROMRCh = 20 10 =
1000 0790 0840 1010 1480
1200 0910 0960 1120 1610
1400 0950 0990 1150 1610
1600 0980 1020 1190 1680
1800 0900 0050 1060 1500
2000 0640 0670 0760 1050
2200 0380 0400 0460 0630
0000 0370 0380 0430 0590
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0630 0680 0840 1260 =
AR

4735 kHz, 21-10, 0702 UTC

VVV VVV PROMRCh = 21 10 =
1000 0800 0850 1010 1480
1200 0920 0970 1130 1610
1400 0960 1000 1150 1620
1600 0990 1030 1200 1690
1800 0910 0950 1090 1510
2000 0650 0670 0770 1060
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0850 1260 =
ABV
VVV VVV PROMRCh = 21 10 =
1000 0800 0850 1010 1480
1200 0920 0970 1130 1610
1400 0960 1000 1150 1620
1600 0990 1030 1200 1690
1800 0910 0950 1090 1510
2000 0650 0670 0770 1060
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0850 1260 =
AR

4735 kHz, 22-10, 0700 UTC

VVV VVV PROMRCh = 22 10 =
1000 0800 0850 1020 1490
1200 0930 0830 1130 1620
1400 0960 1000 1160 1630
1600 0990 1040 1200 1700
1800 0920 0650 1090 1520
2000 0650 0680 0780 1070
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0870 0430 0610
0800 0640 0690 0850 1270 =
ABV
VVV VVV PROMRCh = 22 10 =
1000 0800 0850 1020 1490
1200 0930 0830 1130 1620
1400 0960 1000 1160 1630
1600 0990 1040 1200 1700
1800 0920 0650 1090 1520
2000 0650 0680 0780 1070
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0870 0430 0610
0800 0640 0690 0850 1270 =
AR

4735 kHz, 23-10, 0700 UTC

VVV VVV PROMRCh = 23 10 =
1000 0810 0860 1020 1490
1200 0930 0980 1140 1630
1400 0970 1010 1170 1630
1600 1000 1050 1210 1700
1800 0930 0950 1100 1530
2000 0660 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0850 1270 =
ABV
VVV VVV PROMRCh = 23 10 =
1000 0810 0860 1020 1490
1200 0930 0980 1140 1630
1400 0970 1010 1170 1630
1600 1000 1050 1210 1700
1800 0930 0950 1100 1530
2000 0660 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0850 1270 =
AR

4735 kHz, 24-10, 0700 UTC

VVV VVV PROMRCh = 24 10 =
1000 0810 0860 1030 1500
1200 0940 0980 1150 1630
1400 0970 1020 1170 1640
1600 1010 1050 1220 1720
1800 0930 0970 1110 1530
2000 0660 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
ABV
VVV VVV PROMRCh = 24 10 =
1000 0810 0860 1030 1500
1200 0940 0980 1150 1630
1400 0970 1020 1170 1640
1600 1010 1050 1220 1720
1800 0930 0970 1110 1530
2000 0660 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
AR

4735 kHz, 25-10, 0800 UTC

VVV VVV PROMRCh = 25 10 =
1000 0820 0670 1030 1500
1200 0940 0990 1150 1640
1400 0980 1020 1170 1650
1600 1010 1060 1220 1730
1800 0940 0980 1120 1550
2000 0670 0700 0790 1090
2200 0390 0400 0460 0640
0000 0370 0380 0430 0980
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0860 1270 =
ABV
VVV VVV PROMRCh = 25 10 =
1000 0820 0670 1030 1500
1200 0940 0990 1150 1640
1400 0980 1020 1170 1650
1600 1010 1060 1220 1730
1800 0940 0980 1120 1550
2000 0670 0700 0790 1090
2200 0390 0400 0460 0640
0000 0370 0380 0430 0980
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0860 1270 =
AR

4735 kHz, 26-10, 0800 UTC
VVV VVV PROMRCh = 26 10 =
1000 0820 0870 1030 1500
1200 0940 0940 1150 1640
1400 0980 1030 1180 1650
1600 1010 1060 1230 1730
1800 0940 0980 1120 1550
2000 0670 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
ABV
VVV VVV PROMRCh = 26 10 =
1000 0820 0870 1030 1500
1200 0940 0940 1150 1640
1400 0980 1030 1180 1650
1600 1010 1060 1230 1730
1800 0940 0980 1120 1550
2000 0670 0690 0780 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
AR

4735 kHz, 27-10, 0800 UTC
VVV VVV PROMRCh = 27 10 =
1000 0820 0870 1030 1270
1200 0950 0990 1150 1500
1400 0990 1030 1180 1640
1600 1020 1070 1230 1660
1800 0940 0980 1120 1730
2000 0670 0690 0790 1550
2200 0390 0400 0460 1090
0000 0370 0380 0430 0630
0200 0380 0390 0440 0580
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
ABV
VVV VVV PROMRCh = 27 10 =
1000 0820 0870 1030 1270
1200 0950 0990 1150 1500
1400 0990 1030 1180 1640
1600 1020 1070 1230 1660
1800 0940 0980 1120 1730
2000 0670 0690 0790 1550
2200 0390 0400 0460 1090
0000 0370 0380 0430 0630
0200 0380 0390 0440 0580
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
AR

4735 kHz, 28-10. 0802 UTC
VVV VVV PROMRCh = 28 10 =
1000 0820 0870 1040 1500
1200 0950 0990 1160 1650
1400 0990 1030 1180 1660
1600 1020 1070 1230 1740
1800 0950 0980 1120 1560
2000 0670 0690 0790 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
ABV
VVV VVV PROMRCh = 28 10 =
1000 0820 0870 1040 1500
1200 0950 0990 1160 1650
1400 0990 1030 1180 1660
1600 1020 1070 1230 1740
1800 0950 0980 1120 1560
2000 0670 0690 0790 1080
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0650 0700 0850 1270 =
AR

4735 kHz, 29-10, 0800 UTC
VVV VVV PROMRCh = 29 10 =
1000 0810 0860 1030 1500
1200 0940 0990 1150 1640
1400 0980 1020 1180 1650
1600 1010 1060 1220 1730
1800 0940 0970 1110 1550
2000 0660 0680 0770 1070
2200 0390 0400 0460 0640
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0840 1260 =
ABV
VVV VVV PROMRCh = 29 10 =
1000 0810 0860 1030 1500
1200 0940 0990 1150 1640
1400 0980 1020 1180 1650
1600 1010 1060 1220 1730
1800 0940 0970 1110 1550
2000 0660 0680 0770 1070
2200 0390 0400 0460 0640
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0640 0690 0840 1260 =
AR

4735 kHz, 30-10, 0800 UTC
VVV VVV PROMRCh = 30 10 =
1000 0830 0860 1030 1260
1200 0940 0990 1150 1500
1400 0980 1020 1180 1640
1600 1010 1060 1220 1650
1800 0940 0980 1110 1730
2000 0650 0680 0780 1540
2200 0390 0400 0460 1070
0000 0370 0380 0430 0630
0200 0380 0390 0440 0560
0400 0390 0400 0450 0600
0600 0350 0370 0430 0610
0800 0640 0690 0840 0610 =
ABV
VVV VVV PROMRCh = 30 10 =
1000 0830 0860 1030 1260
1200 0940 0990 1150 1500
1400 0980 1020 1180 1640
1600 1010 1060 1220 1650
1800 0940 0980 1110 1730
2000 0650 0680 0780 1540
2200 0390 0400 0460 1070
0000 0370 0380 0430 0630
0200 0380 0390 0440 0560
0400 0390 0400 0450 0600
0600 0350 0370 0430 0610
0800 0640 0690 0840 0610 =
AR

4735 kHz, 31-10, 0800 UTC
VVV VVV PROMRCh = 31 10 =
1000 0750 0550 1020 1490
1200 0940 0980 1150 1630
1400 0980 1020 1170 1650
1600 1010 1050 1220 1720
1800 0930 0970 1110 1540
2000 0650 0670 0770 1060
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0630 0680 0840 1250 =
ABV
VVV VVV PROMRCh = 31 10 =
1000 0750 0550 1020 1490
1200 0940 0980 1150 1630
1400 0980 1020 1170 1650
1600 1010 1050 1220 1720
1800 0930 0970 1110 1540
2000 0650 0670 0770 1060
2200 0390 0400 0460 0630
0000 0370 0380 0430 0580
0200 0380 0390 0440 0600
0400 0390 0400 0450 0610
0600 0350 0370 0430 0610
0800 0630 0680 0840 1250 =
AR

UM10 - 10-minutes net

All logged by JPL

3257/3629 kHz, 02-10 UTC, SDXL (1350-1400)

3238 kHz, 03-10 UTC, D6AN (2020-2030)
3238/3698 kHz, 03-10 UTC, D6AN (2050-2100)
3238/3698 kHz, 12-10 UTC, D6AN (1020-1030)

3865 kHz, 03-10 UTC, KTR4 (2050-2100)
3865/3206 kHz, 03-10 UTC, KTR4 (1520-1530)
3865/3206 kHz, 11-10 UTC, KTR4 (1850-1900)

5762 kHz, 04-10 UTC, L3AD (0820-0830)
5762/6877 kHz, 04-10 UTC, L3AD (0850-0900)

5918/6780 kHz, 02-10 UTC, QUXF (0950-1000)



DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

11129/9082/7344 kHz, 01-10, 1015/1025/1035 UTC
19312 02553 98745 92752 18550 04115 28618 28497 09571 22560
46832 95896 60141 02955 84846 57878 88100 25482 73538 93614
88207 33444 51942 85940 87994 06270 01077 34264 31059 69747
63814 97651 11245 60635 36721 97774 06122 87866 44805 36411
83240 57516 35116 07176 77558 53727 50124 06193 63508 92782
66830 71364 70130 92510 12527 04950 12703 24203 93161 59132
39321 39248 95240 89256 15851 87651 47191 04439 97698 70646
51150 70212 61841 94568 21088 42932 97535 18185 88223 40586
79170 10675 59663 79728 69674 62440 41193 33216 27932 15931
60176 57091 00000

09047 84671 25502 77098 66845 72204 96008 94514 81778 03218
18266 69010 06538 69567 68526 41687 20825 15724 73997 47869
72720 14397 34733 45322 13522 09454 81953 24593 43221 12052
02477 49932 08809 60937 83955 04197 22609 82839 60592 36219
92812 13897 64044 34036 83405 68066 09178 72441 45685 63428
69380 08298 88539 42349 21113 22028 79688 46429 62384 28745
95064 32164 34837 07446 58532 38281 04143 21707 39118 40655
78371 30321 97958 55778 69053 11320 02131 78685 24590 47802
47576 66305 90724 49023 58286 02146 77746 58087 00000 +++++
+++++ +++++

11129/9082/7344 kHz, 02-10, 1015/1025/1035 UTC
00000 +++++ +++++

11129/9082/7344 kHz, 05-10, 1015/1025/1035 UTC

60066 46254 87123 60206 89619 83367 43933 23015 10272 83636
50138 77467 95256 50214 81445 76771 59034 72474 45044 33510
22695 21752 02086 50784 63434 67506 92216 63613 15309 49817
39843 89025 13443 69181 46828 08283 98878 79515 01296 29662
26262 95335 57243 05250 41546 49023 64635 00172 21904 59126
54673 37708 95031 95644 09938 68715 80034 53208 74068 38812
17089 68117 80691 51749 78051 40161 06270 52412 75220 45163
76565 77892 10426 49177 81405 50053 31637 60296 77434 08049
89285 78982 83541 04213 09470 32878 98654 11769 26253 07022
96579 17794 40227 05418 77584 99869 95529 04886 81404 09869
92510 87132 91359 13301 78229 59992 84281 57668 81972 03749
05916 68261 87972 03514 76509 94828 62530 53557 56260 57570
77713 44561 25314 65879 98823 69716 58000 08279 27828 10608
95998 36986 19926 88812 50111 95541 15454 94173 85342 62945
54308 25658 68963 12731 65073 05755 86250 10423 46048 54349
53593 97805 80349 33000 83647 37450 52290 95570 82228 15930
57210 06143 81631 29164 21957 10150 40062 98333 78189 69680
61871 89796 55711 98862 18274 37441 88006 60303 73249 90924
47168 08485 44302 38226 50409 91077 52769 75952 05350 44101
43373 25836 86252 41869 77696 20862 58405 87656 31270 09459
92838 56029 48962 51200 38563 22765 38356 02438 44504 43319
05806 15324 48348 65756 64850 98641 74452 89093 71681 13892
08041 02991 67349 05076 37842 69728 31398 85602 84385 34407
76602 30759 56119 74302 39523 49193 00555 23328 46533 31831
42611 32523 60030 01678 27360 52518 34513 12927 09353 48910
37197 72838 55710 86485 12886 84790 55179 43224 97751 35972
50325 40036 11742 78140 35060 97144 84275 74877 84693 53080
92937 13792 10684 07202 19847 07100 57287 71688 55376 29021
82294 43954 03943 63425 89021 35393 71521 60180 01779 17422
39588 85347 93948 17084 55180 81570 67001 48762 91750 08416
79296 91110 60518 00554 97390 48200 76989 27772 06526 02748
12341 08922 90774 99212 84358 85347 93948 17084 67610 90512
61465 48950 27550 39251 80354 69288 08224 85081 59598 04924
28294 19035 17993 43071 65032 08414 71716 37930 31008 98934
38785 01737 73119 28691 02604 91234 48694 27361 01777 25492
58318 99114 38377 95999 40090 12644 21861 54997 54993 46766
90816 92960 18064 65023 79728 41175 55053 17729 22952 60362
89262 94891 13084 01262 88236 78454 55905 48135 25016 67287
89106 81111 33623 73375 56965 18323 63477 12633 58161 23756
62417 38780 08934 91767 43029 93732 88755 44201 11965 72923
60707 01033 66927 29011 83756 10490 91029 62397 59112 49588
99197 72007 77849 31003 16315 59415 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 06-10, 1015/1025/1035 UTC

66666 33435 97977 15797 30799 09988 19121 92222 71123 94421
91574 15656 44666 30109 88648 64282 73934 92661 84046 51436
05608 47749 97081 07678 81115 41032 14311 00321 92212 352+4
76355 25665 66668 87677 96980 98781 30802 20003 79024 03233
41344 14646 75557 36677 99779 79911 41001 31922 41312 22234
72324 95664 54665 96756 38789 49199 80991 31199 33922 62253
93443 83334 65846 23568 45788 90990 38811 49011 30110 01513
90124 12545 26567 45787 76878 77879 89100 81013 62012 70122
52353 74566 66567 36657 97668 68699 31700 39011 81132 41334
46421 56630 77318 29141 96010 60095 00000

87882 48109 19193 29012 13221 42353 33349 57088 48068 40960
15855 94753 86678 94685 58865 63634 42345 24456 66667 83107
31193 59949 34573 35512 80863 09447 44884 96235 29710 52352
21805 86171 66017 11373 30021 13451 57884 04962 86516 22676
20322 53348 48314 90415 70318 90446 58366 72708 47904 90991
81396 00174 38417 53435 22177 15506 86155 53056 05650 24057
31692 44335 29376 67419 50565 67687 28657 30457 96908 12006

37657 57002 35344 52242 34638 86154 99376 87866 39139 99421
67993 32668 63527 43775 67747 61085 00000 +++++ +++++

11129/9082/7344 kHz, 07-10, 1015/1025/1035 UTC
36015 94297 57076 49807 42626 52472 55092 83301 65734 39062
07643 65849 86358 26035 83927 65216 27087 20150 61853 66506
66348 53082 72430 62929 35993 88059 26696 59166 81855 41440
17348 48264 91997 42662 12263 48007 22309 81021 82107 07698
74166 12691 29213 21289 03826 26442 09906 07793 68239 91485
67487 44919 36990 35887 18041 66873 25023 28982 56262 62249
25870 66231 73497 32960 50043 79958 05169 00136 98297 24403
49789 67943 24443 08525 26745 81240 67389 75003 65035 38022
57128 48864 40155 42587 24317 04173 01308 10371 68170 22229
56144 60365 62336 39707 05204 56082 03451 10177 43252 80986
32056 27429 69695 59339 80563 84069 75274 58387 27964 63797
97205 32844 65957 90810 59972 97584 06199 84782 43947 39504
83342 94838 49034 04480 33576 10979 45512 20356 53331 76371
29285 41914 67857 48973 23701 28746 64342 85894 95150 91974
69277 48963 74615 70764 74744 54908 02367 24547 43316 18621
37990 51917 46260 62913 02937 72117 14724 93215 47778 30064
08608 60659 61350 10836 32789 61974 63990 74591 55406 49634
52035 47811 07871 50704 85779 31847 71319 17806 38077 14673
79163 60658 45775 96815 90454 31616 31171 67370 13726 63651
85671 91053 86015 84219 32844 92231 36753 53430 13061 46861
91193 99981 56902 18268 93097 53285 39523 97720 51323 95213
33155 35724 40046 79923 99957 74969 07274 95172 92367 20888
71342 63584 53173 10734 10104 07294 32474 67144 72459 24403
63722 47107 66957 50694 66038 22277 07122 05034 64983 51577
18211 41906 48968 32024 35083 59511 03504 38710 45873 36871
90468 89886 61145 98371 64580 98078 13234 29187 44262 93178
15435 90018 79097 28441 35760 04593 81043 05334 64923 18341
11613 78168 83249 51716 42191 24459 56205 96576 29692 91931
13224 29064 74729 58142 89517 37436 54497 63622 35577 88264
47542 04502 24015 79463 92621 95538 08479 53558 48827 39497
14292 69657 49173 63812 65519 57543 64814 10478 78156 02338
22114 90089 74107 33164 39718 35993 95657 14260 77844 19461
25121 61956 16960 11844 39351 35986 08042 04638 53803 78537
61616 23387 35830 99500 67740 96385 91912 31348 64139 64091
58493 02076 94672 40205 51121 99647 25316 60343 51573 26391
09855 79254 37663 66754 22473 02498 85405 16900 99418 63538
98232 49535 56945 82187 42953 12447 77702 65330 97131 84152
82782 35874 37584 35133 31586 00858 24671 68053 16714 94655
62087 35437 46070 58225 36815 58212 29353 40318 68952 93578
11125 31604 26083 25623 17664 67643 81890 77136 09762 61649
23696 66043 58670 52962 38609 54916 87380 82191 32978 66982
44418 28957 64832 67070 02350 62415 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 08-10, 1015/1025/1035 UTC
33460 07449 27839 51441 14562 50603 38101 31833 78374 29694
27728 94848 71865 32502 49005 83516 22106 50432 03356 62317
38934 07944 39167 38740 60246 27278 98858 13982 04609 71258
52175 82562 59817 85850 06152 55505 00399 54250 64643 60393
68728 74295 57671 57022 19272 38220 12486 12330 87931 66748
73852 96688 17872 90441 28010 85108 16029 85968 60006 00032
66038 04407 76571 92926 10126 53146 84274 36999 14764 43985
27862 51379 50115 84568 43929 14408 05100 38671 41077 24158
24850 68059 85692 63083 00000

34132 82751 79573 61746 13447 15368 96030 23751 69255 39136
28904 74493 68108 06269 91421 82864 79709 75998 08868 18327
59360 88686 76850 04449 78626 18379 29534 00801 68847 35777
09591 45133 24372 67294 73283 40149 14819 99825 91266 88182
76070 10301 95368 42003 19315 99558 38356 97949 20605 73608

72238 43120 09737 10711 88464 43822 89999 76830 24443 76638
34215 26554 49754 13185 09267 22058 78177 19745 76609 10691
23781 94199 64352 08418 77408 64075 00000 +++++

11129/9082/7344 kHz, 09-10, 1015/1025/1035 UTC
00000 +++++ +++++

11129/9082/7344 kHz, 12-10, 1015/1025/1035 UTC
13318 98263 15057 84848 15484 64878 57020 89014 57580 29243
86064 59293 79090 11515 91614 61050 73037 82729 33525 91867
93904 23201 27788 78851 87934 92725 91327 71346 00467 86045
13065 65007 40022 72002 43438 18147 03804 39822 19564 46312
94324 00963 68238 06016 81821 19967 53951 03571 92169 72759
64111 89954 24960 55817 48660 27651 31455 94662 56278 40399
07084 25106 34346 81791 78177 45678 84881 83654 87637 64701
93599 70155 09205 90413 74323 48567 45042 37605 95904 12633
86297 49194 83852 19462 41342 56184 13857 25900 61381 24432
39396 95313 18104 61674 20615 10718 13077 83243 46650 55186
23566 59914 68617 45492 14466 96314 85412 29904 71035 13341
49543 86077 32118 33018 85168 79986 28539 89232 35522 71827
56365 12785 81930 79827 39718 64197 01594 37905 62821 12714
56321 08120 75979 84920 29420 33834 05162 31446 52907 44544
19896 85152 92247 48305 39141 09278 80791 72690 79846 58952
21116 40227 77866 04531 95441 89239 35926 90181 52320 76038
78327 26165 61782 19398 17085 38243 56122 73255 59163 22651
98526 38570 09531 80076 46709 50280 49687 27082 03765 00293
96377 08399 73408 82453 70162 58546 61800 70414 28543 86196
93143 64362 43323 79739 31233 67522 26897 57468 24151 78391
37150 10836 14297 09626 15661 14216 80934 69529 38892 99601
07447 67081 87054 19689 90483 26424 60339 47767 33193 21777
97194 87875 89725 68685 74348 93638 53188 32560 93246 19243
04246 40441 82616 50968 62561 06917 71819 92732 08242 10143
14701 04072 65506 78900 68612 14002 65736 76618 58296 59194
32117 93314 79320 19912 53040 81377 20757 52128 36472 96139
11777 39278 62459 27166 21868 12080 75972 31213 69350 09854
87260 02773 17874 81787 71924 43162 65601 51578 87876 14080
56747 93888 51382 86577 70172 96064 39374 21373 64713 03535
10224 41451 85939 72346 60156 82890 64024 77262 57496 34846
57413 48867 21934 04633 21983 38108 40997 68836 10381 31722
40925 96412 31216 66974 54110 54679 22813 19152 50325 34166
21196 60250 23894 53248 27004 12284 54014 28499 01016 43674
80413 21710 42976 82124 61516 99498 33413 42455 07331 66459
43125 92802 04215 57785 40041 07640 73738 02295 48119 81057
32807 91815 37996 98725 47245 17847 54049 91988 96022 61442
07586 22531 88313 47261 90823 71039 00578 97711 91358 28313
25844 48128 11820 12246 52391 08926 24371 59133 14012 85661
14781 62725 79042 92942 95715 59476 70353 23125 93966 83419
33483 55729 41292 39114 95101 18519 23550 66087 78997 36173
67831 93226 71769 27502 72262 06546 55414 37129 08170 78767
48992 12580 49299 34163 26569 62729 07771 47080 03608 58524
81462 97601 09011 61936 42501 32768 84992 94063 21563 06808
81967 78346 67651 98806 40652 19804 88064 65437 00000 +++++
+++++

11129/9082/7344 kHz, 13-10, 1015/1025/1035 UTC
90718 80380 33213 48508 48369 28089 71268 47587 43904 87240
78213 57310 62729 08471 00280 49046 37729 11459 87093 02162
96870 66675 19215 35441 89025 68258 91231 16329 98953 52680
23863 15198 87386 42910 03508 96825 17144 22744 72662 66256
51222 71008 19669 11257 33794 10303 41198 08530 90057 49994
75946 85897 05869 28123 32941 57616 73095 81931 62925 75033
11632 01693 46241 59759 04016 47524 95656 11545 03571 33878
97569 08059 02032 11397 40030 38742 67575 66077 00000

99799 78390 98263 83719 23901 26532 59469 03858 53245 07061
83783 96969 92421 50611 37835 38458 04746 80282 44706 56696
71897 78571 62367 43956 42329 98159 81353 63536 60627 77486
46366 76508 95021 47033 31482 36539 05229 37287 23672 26212
17808 24284 94302 33288 01230 73695 63312 90350 57840 69388
85756 26263 74899 37395 15398 02882 01902 01226 25039 35460
46339 29472 88275 20182 05118 61629 52370 17259 73810 23083
56921 63037 00916 65190 78022 09540 79332 91395 02596 14889
92232 55319 62590 33050 55506 41761 83733 76320 23984 66543
28515 49020 53609 56146 38101 75802 36766 93062 02860 73034
52926 37812 16188 67103 00000 +++++

11129/9082/7344 kHz, 14-10, 1015/1025/1035 UTC
82814 63456 71625 06056 14987 12901 40564 53360 34776 79263
64826 13769 16590 08582 19595 63175 14780 22004 32567 24802
44154 62100 34236 14378 74647 09967 62186 55346 76091 52821
17825 56276 74018 06781 98990 67667 02440 24493 56882 60333
64531 42321 50741 92566 37171 46773 98722 58245 80253 64849
48399 33094 36741 08005 15326 61277 34359 24416 63117 49507
24900 39234 23455 60857 22059 87509 79483 25482 23741 69488
61018 10403 29782 82952 25010 15576 91010 12299 19694 88410
50604 79050 55877 73936 90555 87739 0834- 42795 05927 91994
98928 64263 07646 50117 25365 16471 73407 25501 49907 51020
73996 10912 05598 54188 21140 41720 27952 71893 61106 07636
32398 90623 48084 63376 86338 91505 83293 67936 24281 19709
30744 07171 79472 36372 45605 79355 30477 45224 76098 48430
86129 11117 24873 94601 57306 12628 80781 17002 88950 95933
57015 68075 50789 22147 96510 24405 10180 25291 30594 23640
35519 23110 01769 22229 03662 47899 86618 53646 09776 89536
79730 91781 03080 67917 24600 49207 96893 76967 02444 64985
26449 67418 14858 61719 52881 60556 21262 76529 36861 10096
17071 95637 30285 54403 63519 47264 59472 26226 05087 32498
98306 12140 32498 98306 12140 78880 97970 86190 19174 08767
31428 99673 47956 11386 97317 89484 80753 03740 49279 41953
14907 76034 30799 11801 85421 85302 12077 50184 23944 44045
01975 08233 95178 96078 96014 20760 34191 96776 46340 99827
33018 39899 64595 92879 50041 98183 93640 85098 40544 69897
09065 50695 31900 48534 36415 82807 91834 57839 95085 56707
63175 19363 04809 05986 63563 44709 15674 16420 73523 69689
47626 67204 61316 72549 50372 74229 18337 43475 19634 15101
02457 97543 30685 40583 14491 48334 75115 02154 54492 84353
11753 50369 32333 15496 67679 83702 30695 81702 50287 52571
43925 41015 56308 48221 41217 79216 88746 31163 27538 08233
17669 78846 00756 45504 45768 57259 28389 91487 64663 46145
92425 47499 12847 72512 75641 41075 71236 32142 87869 51039
57263 03762 55638 49462 03428 85591 23631 02708 31268 08932
41400 98744 56678 08499 33770 92916 87505 54180 78367 89358
99381 73900 38727 00243 00699 22297 26389 50043 22697 74877
90445 17014 95575 52353 57966 29052 96591 04839 73734 56147
81050 10599 12746 66608 32157 69038 63888 39231 90651 92610
08262 48624 50157 27350 40554 65862 29204 56691 06927 41656
55835 68292 57845 64234 25758 88518 39276 09117 19966 14301
70713 22971 92767 97041 83455 08737 66165 58253 17565 04212
91519 41631 00970 71275 64438 31238 59123 37950 03819 90479
28670 60481 30992 01584 73551 68415 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 15-10, 1015/1025/1035 UTC
01000 41402 50021 00113 02323 44346 05477 45545 58678 07908
08994 19001 84113 84576 86497 90674 48992 69310 18699 31723
32454 24969 69188 40778 21732 26454 80685 61012 11109 79912
41211 40023 02233 65456 04575 98010 98879 70201 01163 60234
72145 85666 98767 16837 89993 27009 59198 43809 61050 94488

46740 02772 56380 97338 59370 76907 25917 45798 51390 25447
07927 49094 41198 38896 16878 67001 79002 10021 54223 54345
02344 33674 46876 28960 68980 19900 61132 41123 60199 59290
18097 49202 20259 28891 59012 32135 88281 60435 02599 69089

79904 10223 65333 94143 63643 54556 68913 80129 73244 12423
05551 14676 68671 27080 78801 21291 48221 87241 12536 43556
84087 48888 89898 07888 89797 37799 18919 89114 12224 49133
84424 25366 54657 67577 38980 58992 49111 72003 21353 33335
04666 95766 36658 97899 71890 38119 59013 92211 11437 24358
36588 17556 38878 07909 09901 92212 71335 31746 69773 45788
30639 83630 37179 57754 83466 97476 38578 28950 22323 87931
91311 01172 34474 24844 83406 01557 25827 86860 17688 68986
00920 70081 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 16-10, 1015/1025/1035 UTC
00000 +++++ +++++

11129/9082/7344 kHz, 19-10, 1015/1025/1035 UTC
47620 34611 12006 25846 27752 17637 77924 04224 37671 27982
86417 95663 65445 48143 35784 95750 84390 96639 53265 88899
32661 19682 22129 27565 28083 59107 90118 18205 16683 88778
20173 18657 78348 36622 69377 76633 38050 34499 07077 64022
56071 63099 08077 86664 95676 84035 81887 74315 91662 76340
23941 80472 68220 19541 99709 46742 79555 90498 97687 11458
71698 66217 12140 67212 88943 49784 41586 97013 73354 61651
13943 43734 30775 63429 74257 92553 61776 06398 95984 71069
80992 21899 01732 96781 73262 95819 04412 26622 60031 94347
04752 88220 74441 33171 06078 97597 68553 07337 32329 92977
01135 23932 60227 39392 79446 04791 01548 83777 53478 51399
96422 65247 86060 89208 03618 10228 47288 33517 98722 67144
06705 44128 16182 60346 21677 60965 96116 67955 45389 37832
21869 53333 02921 16498 59201 04842 08812 08313 33100 63596
24579 75522 03110 43899 79606 29480 23142 76022 03858 87942
96692 26060 45834 58627 63410 72501 74231 41240 77946 44241
86722 65135 67028 49698 74305 04813 75695 51739 14660 40438
38629 68082 92936 55560 37519 01885 73436 89233 30408 32191
70597 84717 63934 18933 92738 01944 04433 02163 56997 85943
48820 00220 98889 08423 01194 36505 24946 24657 26104 49556
81840 12923 14410 66117 40473 88620 22686 41877 18416 10303
72084 99570 89192 19779 17623 19140 51800 83488 23808 59622
58925 27341 07554 17473 27289 82184 34314 50995 78559 82122
78382 25575 84269 82835 83284 59401 13172 92123 83206 74362
04474 29834 71401 81811 15394 59373 26497 57869 16465 57987
32657 87981 33032 18007 54526 85391 56379 96223 52901 13227
72926 53611 52051 64890 84921 52554 94652 82440 21080 03800
45241 17640 60603 80285 28151 65375 19014 40060 10856 24123
69239 25476 68661 63157 96393 30830 91678 01181 09686 55654
20027 26067 59891 85839 18192 10411 35835 69774 24480 02560
38305 81694 36512 97819 54857 89427 18689 19538 83925 68713
42563 64715 81692 31304 96067 93876 30151 59011 22514 69856
49792 60904 75329 75197 05360 95837 99447 62856 78111 27500
75292 19890 03021 04165 86302 48825 94352 80344 95930 96385
08067 22517 45044 84271 14458 66131 05684 21681 79507 16063
52097 04250 78346 07712 35007 29113 89298 70946 70025 80759
41914 64049 76179 67380 17459 69879 25462 12392 25270 71431
89358 30819 03437 48969 93286 45232 17230 65934 14880 20923
53726 35811 87058 25002 36060 87131 91819 39118 05740 68820
55694 80465 46470 63052 82793 10790 47916 97820 86397 38069
32849 76397 05013 40551 96096 65879 13840 67847 28766 11999
67590 98767 26137 72393 35588 60568 02706 85525 15093 39332
62776 17424 33786 36131 00066 53452 77349 48689 24753 27283
12473 71431 00000 +++++ +++++

11129/9082/7344 kHz, 20-10, 1015/1025/1035 UTC

87274 59529 41715 84492 18963 25997 18388 10526 67467 85109
21422 85611 55265 49914 94349 93887 10448 72856 34336 70865
33977 50805 61046 66503 08830 39544 32873 45108 93234 88682
65220 95483 65167 32907 30516 49771 10315 00519 44662 34422
70670 25199 69585 01733 95972 71924 86603 15386 65159 12994
20265 88432 70026 15079 17373 97155 78284 23247 10873 19242
18196 52908 23286 69719 51980 25592 89387 33077 30183 09521
02803 15017 44179 50900 16223 62270 19015 06878 49919 23925
13771 16085 88244 52684 21624 67730 68816 72087 00000

35438 26191 29548 22725 37798 20170 97352 86373 54459 72029
81740 45371 92850 71524 69539 99170 51775 95359 32727 24909
78215 59967 36057 34331 45722 82195 84254 28475 21569 83843
88436 48544 14870 00979 56462 46406 22836 83984 36896 23164
17363 99257 71275 09229 39148 68514 34358 84329 91500 06621
67055 60907 51057 43903 31724 79324 37575 43869 44502 88327
09996 52270 64399 09200 80961 38455 43796 07046 66985 14943
70067 17641 16447 46155 53001 03281 82603 82253 37709 73081
33820 73081 00000 +++++

11129/9082/7344 kHz, 21-10, 1015/1025/1035 UTC

35892 25032 63354 73475 18592 51627 53496 68503 07811 _____
_____ _____ 66500 23982 98669 08059 57418 54685 _____ _____
_____ _____ _____ _____ 89215 48777 22603 46735 42046 15038
03000 87054 99678 05126 71964 68950 16689 38683 36483 46176
30968 25744 24618 23576 64371 38741 89338 94969 05891 97125
75332 95975 69536 25512 53496 95219 44109 71297 52793 72351
77058 92697 44154 56324 59604 53122 56125 22358 05327 82838
26934 71037 _____ _____ _____ 37970 40585 58985 76276 07459
03451 90959 27007 28601 12516 82634 65089 57281 46000 94133
11223 72469 51075 97905 85647 40278 57894 17643 46441 24213
24581 21970 01743 65047 30365 _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
14847 54578 71855 54398 88158 88462 03983 58923 82083 73870
06327 29094 34839 95519 45613 89229 96520 21336 23755 35298
53969 95564 87148 00142 50667 06977 11461 96146 93833 93110
66584 58792 65919 66485 91464 39515 82679 73730 33471 21330
65022 23551 32010 55639 16804 44491 51062 43669 25781 58409
90334 10981 29885 80625 29711 48475 16021 82650 86694 18347
43573 84689 15201 48412 09802 20275 09639 63255 99324 14636
66241 25631 84871 94991 52532 86552 71486 11449 _____ _____
_____ 23784 81327 23279 61633 08621 05799 58667 61859 16701
33592 97790 74155 41183 68960 29160 52389 82924 48777 75119
73090 23665 52231 59020 65105 _____ _____ _____ 20213 40522
55828 38976 01884 47791 35540 03725 94368 42821 19255 87443
59311 02279 05413 _____ _____ _____ 35951 23778 94891 97977
14093 38669 09288 64868 99193 97756 74510 49201 58315 12607
04623 77402 79241 75325 01145 37041 74590 97908 43558 98057
31738 80593 24820 59098 88227 07652 24087 79881 37354 94069
33829 85538 93610 31528 83537 53860 72690 07158 27187 21398
65721 93464 86664 69342 12427 32900 68342 75134 02910 65489
94978 40723 62718 72967 20142 33436 00921 37851 17337 00373
25842 40901 61035 42276 58167 45384 41777 57814 96094 16078
25458 94211 12252 50126 48603 65158 86964 07097 67968 21948
_____ _____ _____ _____ _____ _____ 52343 98132 95189 24854
39233 87232 61901 04203 63657 41419 61413 85987 00253 95469
50610 44549 45310 28765 91011 85606 93013 15228 42246 32376
59824 13993 59141 29773 99194 11734 47114 40104 73805 52588
55543 28706 77505 16623 13831 62965 24151 32760 39810 73148
45524 37126 75222 48492 65517 12741 27915 66982 42784 71493
25427 68226 09024 64344 09980 16100 75109 30678 28532 29882
82220 22769 99303 73517 40199 66264 57740 35244 20290 42654

12634 40742 34465 04646 66751 75005 38517 60380 81690 25395
41116 87457 91670 69336 35997 62636 95935 55070 99496 18255
84453 48913 20595 61200 76604 47457 55671 15442 77553 78154
25156 74019 81971 36707 94258 71454 79823 74447 00000 +++++

11129/9082/7344 kHz, 22-10, 1015/1025/1035 UTC
Odd signal, produces only incorrect text

11129/9082/7344 kHz, 23-10, 1015/1025/1035 UTC
00000 +++++ +++++

11129/9082/7344 kHz, 26-10, 1015/1025/1035 UTC
78834 34217 60701 87703 54127 60913 81193 04394 04738 29740
04099 12307 08783 60164 46170 67248 80523 74631 50375 12740
55998 20509 64356 16073 92047 58916 53365 76722 27140 62652
58605 61818 77467 90374 36925 48350 66717 29251 42793 76796
12985 23250 38495 45872 21246 29255 43497 03074 54834 68215
58898 10712 84366 63488 27926 92123 37531 83583 18399 87741
98213 31487 38100 75722 28358 47761 19004 36806 11031 19587
31279 68101 38110 12969 13021 75493 91038 70256 26642 99338
88087 40196 77859 53162 96551 32684 58219 80015 33335 15415
97090 56212 02345 94614 34072 97107 42138 47039 47745 44611
82271 95434 01717 41139 31762 44637 93873 19664 48131 20509
19812 64577 60444 78890 86348 23037 44788 76764 36084 71484
75637 22808 68920 67035 01532 49530 71507 38412 18504 74182
90520 96120 39703 40619 10735 66551 84650 59306 23816 79690
36555 87665 98775 65135 41132 17930 90018 36096 45372 64712
43929 66079 99680 69470 89931 87920 71838 64045 26958 69886
46210 60478 41262 48498 06654 59279 16524 22794 26550 93342
22172 39692 14401 49694 90865 25168 88438 36256 21082 40912
78662 85822 65726 71160 79769 14424 92727 69395 03389 76281
28536 19596 03080 82524 20466 91722 70514 75864 78838 96131
26294 78421 84826 66598 53827 54872 74975 26648 49715 58125
38316 18868 89081 49700 87011 01901 29269 12002 86477 44795
00370 94674 55916 73416 55993 62233 75190 48585 82737 35140
58993 80646 91781 41534 84228 10155 41050 21792 81561 09357
61376 53105 27061 84161 85111 86266 94880 81286 00610 11849
56910 30272 81030 97972 40337 75037 60895 66829 79056 74686
58837 02180 19868 78228 69973 04982 69390 02917 76351 39357
92642 70890 48897 36076 99217 83801 39300 45752 77994 40116
85282 58925 66318 24786 77683 35234 64599 25960 62794 08849
32246 58445 78391 62373 25902 98583 46891 86380 65884 60252
74074 66783 41800 66655 26817 67231 93251 97609 88255 98702
26575 17001 13843 93501 53558 10114 36703 25832 63064 85498
95759 46140 61505 21087 85041 21420 43099 59228 47621 98655
75847 80343 62625 33600 14180 09873 98735 52075 74188 38220
32650 35975 32406 58363 55905 51161 34045 50842 18526 59452
21659 70778 82923 81866 20143 16653 86488 05334 39026 85492
36312 50048 77978 44184 84470 39648 46486 71575 57318 41427
33619 51079 37217 68737 88835 18440 20151 62800 99759 94370
97651 96091 77869 56739 36480 64501 88028 31996 54498 60440
82810 10519 16173 44110 27538 15579 96142 55082 26989 80608
84289 31416 89693 77403 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 27-10, 1015/1025/1035 UTC
30168 54587 94051 51760 35032 14035 92196 73488 31017 92297
83306 68557 06599 84566 82382 82165 13721 55321 10616 89278
47302 54625 70643 39691 14303 82184 60589 96937 72016 97598
19045 31987 40303 00234 18210 57660 17423 27167 47351 14707
54176 42634 53794 45486 66033 17416 33609 16170 87935 21609
89202 73429 01465 79205 95983 46532 89057 57934 45301 30778
94963 92786 55842 13227 97625 66676 70669 26650 23176 78069
00000

22183 73299 23716 45208 00917 51659 46292 48595 53463 07989
73561 01230 39007 52152 99548 71758 68331 50833 96513 90682
15017 52282 82441 06607 90411 29916 82786 13668 74558 05696
91131 73604 20263 39241 58466 80884 72501 93584 65760 44342
70340 13545 59532 83752 23565 77616 55089 64786 81205 09345
37130 20779 34143 59110 12404 34762 18986 92248 94098 80172
15401 44473 22663 43703 54091 30505 52737 78713 77606 16874
60890 62641 21168 94810 53836 56868 05713 14176 81833 92447
60314 64364 86944 30161 16201 13115 40851 68324 39537 39172
51897 96785 95161 19731 46069 20550 58470 58602 51585 01476
17633 66045 41779 91468 33327 26188 15983 79107 00000 +++++
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11129/9082/7344 kHz, 28-10, 1015/1025/1035 UTC
90158 13723 92486 17028 48337 47932 86284 30528 92216 18258
37756 13190 62402 05429 14103 93759 41371 90559 39518 61348
90383 33435 55389 10179 91952 78638 19661 80131 71327 56686
81281 72774 95412 72382 90706 47577 72562 97555 32354 27980
01700 10390 89986 72022 44182 48515 80928 87201 16868 68059
20075 94260 29797 25846 99623 69591 16952 26921 95462 20935
33517 04601 36162 76070 18078 25227 95492 89185 43201 34814
94426 94601 02833 89782 23538 62554 09947 38961 21761 36713
02885 49040 72428 58125 83830 90674 02529 05273 37845 27423
96133 04930 05905 74697 57914 93510 10388 20925 87694 33591
56433 28101 51980 15293 57617 53933 63396 97223 59389 62742
03971 66646 58687 17326 53205 23583 43195 68973 06867 18528
98661 87799 97443 98461 57716 00609 52190 40853 88638 28459
49720 80339 47499 41127 61059 57767 42115 70651 86113 46282
81267 12243 21492 34167 07602 77056 20598 69088 37664 97107
31962 93476 57495 86015 26722 25689 47241 61274 51204 66671
33190 37123 65542 36794 90703 32913 54267 72548 46450 78060
19802 37795 53401 80763 94817 29253 37021 52682 34358 80909
36072 06753 73699 97049 86502 70350 62863 68580 21830 80952
13733 52348 88463 56525 20696 18127 99413 57792 40771 92974
74808 84594 44137 57637 42673 73516 71008 74694 98394 88964
55803 53125 46316 24901 04529 78990 71900 59395 36326 66920
17896 29210 25116 12081 62942 16584 02278 47323 26058 65409
06303 35195 45441 69001 90356 49499 05029 96623 23684 26096
07240 50982 47812 87627 15359 73853 73461 71856 13971 42054
29127 18304 60916 20928 97254 92879 29174 67530 98947 55183
62129 00725 13154 98172 90659 80341 41260 14881 85473 62624
53027 71871 43134 24121 74823 94121 29221 71223 06070 91014
27057 77543 74848 78137 65429 16298 68613 74564 23765 79911
00928 80315 38180 04008 00180 63682 56839 37987 31211 13097
18079 29365 85783 33250 49716 14082 02843 90124 12990 29941
04492 34647 39563 95391 58635 59642 35035 20826 04220 69771
47389 44581 00002 69145 23828 10844 82796 96310 04415 31623
46134 61273 25976 00010 75262 64271 34690 46879 99434 00965
30813 58244 47424 83747 93958 95440 17193 33851 62397 85329
95662 23946 64779 72711 89518 75907 27753 52127 52986 43459
07888 21247 23519 34350 21360 23031 01333 51789 69820 68837
33728 59786 85899 59685 90129 02122 46775 47843 38791 29609
29243 05940 61094 15348 04732 95782 64387 62651 97695 54067
79289 35338 55820 37170 52413 65078 05489 92215 70428 15468
90934 46595 76414 07542 20524 33129 64432 36388 68604 93065
63260 33573 06360 24099 45228 55048 60105 46559 01079 99235
20460 38184 06812 84974 50835 80013 73431 44021 68682 46663
15546 07787 97923 67103 99746 92999 16021 80437 00000 +++++
+++++

11129/9082/7344 kHz, 29-10, 1015/1025/1035 UTC
08877 53278 86361 48191 69602 13971 27376 02247 90949 06819
76000 36335 61434 85524 31287 73424 09440 34741 05254 92331
97685 86209 22295 18518 45929 75996 24153 42707 92823 97547
53900 34528 32879 30213 17356 43364 89448 47964 45383 03593
09696 37963 05511 86416 92469 83689 36293 65450 85026 92296
02877 88278 09538 70906 97189 71147 05319 81504 31192 58996
97722 29147 96639 18003 29625 63148 89783 52838 16447 95946
24453 65815 10655 69332 81944 00125 86659 22733 71180 34328
82079 43225 97544 81083 00000

14182 98900 72823 86713 65531 71540 11485 37294 04731 98517
98841 24222 29025 63105 11486 06586 89608 74960 41144 35196
76335 37435 49954 22662 36905 87236 87542 22567 41450 61147
43367 84903 28487 69480 32741 79969 93129 80964 39995 07908
03551 48731 67201 36078 56582 32119 61896 31448 08428 93950
22259 80193 41401 77998 03154 11688 52641 96300 71495 69079
75737 81042 84370 93636 71204 80663 88346 15048 46734 04897
63412 64866 93182 48418 59981 55293 47205 82077 00000 +++++
+++++

11129/9082/7344 kHz, 30-10, 1015/1025/1035 UTC
00000 +++++ +++++

F02 – Russian domestic net

14983 kHz, 20-10, 0800 UTC, MFSK-4 150Bd/4000Hz
14983 kHz, 27-10, 0800 UTC, MFSK-4 150Bd/4000Hz

F06

Link 00000

11128/9446/7453 kHz, 05-10/06-10, 0800/0810/0820 UTC
11100 00000 58492 02064 01039
07569 70325 36624 85113 09628 53012 51378 62250 96043 08180
39803 53153 23628 57448 72866 01978 34817 96280 19266 84130
41190 30306 20796 51820 94972 51583 67411 78140 53214 78242
89193 85630 64329 05944 07388 70243 31689 44591 11720 56661
33955 38734 56167 45898 06834 95103 90372 41121 15947 65708
68890 62639 75501 59941 05454 87978 92450 84121 64447 78006
40826 31919 06778 75016 95936 74095 32318 83727 83118 20996
86132 71136 20721 56237 20652 46144 62018 65018 30992 04916
65740 05505 05610 52893 49892 96711 59474 39409 08577 21327
41947 65836 96479 66921 36556 53206 10727 53966 94849 80241
24792 64101 00000

11128/9446/7453 kHz, 12-10/13-10, 0800/0810/0820 UTC
10536 51723 88608 05922 72660 10949 69060 36340 98265 70124
38550 41210 56501 64621 97056 11029 27858 11905 81984 58181
76083 14876 03605 87901 71763 23504 72000 26761 03496 34461
13960 00862 37598 33420 03241 80919 12296 09727 52655 36434
77315 98112 41404 66130 14821 27154 76111 96847 02645 79150
08980 68085 05735 91123 61511 44371 06765 51609 27242 22653
11839 72942 51908 26899 92235 43718 14494 07088 48122 91114
57600 84787 05179 07764 40559 12495 80069 22868 13746 38942
75704 22233 37520 97539 92214 46923 94229 60153 64596 25213
66717 23406 62945 17523 81778 19679 16234 79041 41985 70011
45556 69699 94333 21084 17780 66203 09147 33466 55556 55802
67662 13326 64603 16481 81756 04782 64222 13269 94227 85088
31964 65348 33091 29838 98403 63650 18306 40371 52940 43625

44393 50586 46577 42882 87354 55322 02607 98371 09362 27517
71149 62811 59625 16324 88469 45037 94896 43366 27018 03967
68036 39331 47138 50861 58087 88079 86366 39583 40287 70458
47263 49518 19460 25021 69727 90874 75224 67811 98710 87018
92462 38434 83284 13561 75463 64574 67993 98856 69215 62156
62425 15635 36249 13348 99949 18409 62496 89573 21547 06393
90579 11735 45676 16581 03989 64835 10114 76701 10569 09175
96703 72709 98767 55318 74955 10527 65066 95027 25428 76706
36047 05330 28831 27705 33522 67916 31793 62461 56169 71074
25223 57963 76106 86307 96212 72487 73847 36865 39401 46200
60074 00347 38760 53819 57660 12579 55722 89002 42387 64948
84590 85165 65790 12376 61184 02421 08573 34129 35623 35302
38018 14652 45234 20993 67849 36595 48471 52722 43965 03254
05822 65261 00000

11128/9446/7453 kHz, 19-10/20-10, 0800/0810/0820 UTC
11100 00000 93751 16066 01159
69484 08144 07492 01200 13198 08569 77802 88114 96759 32164
28880 30021 43866 80475 58868 44665 53384 73510 71090 40137
98156 12469 31486 20818 48505 66019 43727 81711 37628 66046
71702 39591 11081 23805 64041 74397 27529 02422 60384 79330
02957 06690 84079 43075 15515 76074 50984 12579 13209 91887
49082 09851 91601 34556 68568 01189 33726 51927 87133 42294
29386 24546 40090 47695 16048 38840 30061 57933 08496 04157
55908 02931 09447 74581 65579 84994 18309 61484 62570 29889
80270 47718 20692 79398 42911 39420 86824 23849 12521 16351
76341 97995 27308 66698 90903 88734 89695 17300 13302 28065
24884 95204 59039 69740 57870 81530 89334 73054 26114 43531
15243 42189 70035 66113 00000

11128/9446/7453 kHz, 26-10/27-10, 0800/0810/0820 UTC
11100 00000 47652 23067 01259
05811 42250 71217 14983 78770 99091 15550 36769 85870 13246
18555 07803 95203 01322 19025 75733 88439 63835 55350 86586
41094 80292 09700 49432 64611 13357 97620 28106 83702 89290
38972 39658 47372 46849 71157 64241 97079 71820 90568 96103
40463 59394 33201 90381 04065 71560 30353 85388 63503 81700
00375 05070 74521 23582 62378 71329 53352 86935 82862 80902
79835 26799 91189 26466 21731 78817 24838 66680 03655 97690
90384 74834 69086 60949 51146 20803 08879 05255 77413 65985
54708 87401 20229 75921 60905 87219 94632 80267 23100 94551
83311 34832 07121 47507 96613 65340 86590 14169 49827 97628
12642 34945 43697 03955 64207 67751 59096 20100 52308 03221
01794 12974 76788 42109 58259 03378 58924 52102 48442 73646
98352 46203 86455 67123 00000

Link 10053

18957/16317 kHz, 04-10, 1530/1540 UTC, FSK 200/500 Undecodable. Wrong shift
12217 kHz, 04-10, 1551 UTC, FSK 200/1000. Started late with 500Hz shift, changed to 1000Hz shift after ca 30sec, but still uncodable

18957/16317/12217 kHz, 11-10, 1530/1540/1550 UTC
11166 10053 31758 11001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 18-10, 1530/1540/1550 UTC
11166 10053 25843 18001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 18-10, 1530/1540/1550 UTC
11166 10053 16793 25001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 06-10. 1650/1700/1710 UTC
11166 10053 24685 06001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 13-10. 1650/1700/1710 UTC
11166 10053 25843 13001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 20-10. 1650/1700/1710 UTC
11166 10053 37968 20001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 27-10. 1650/1700/1710 UTC
11166 10053 16284 27021 00049 00000 00000 00000 00000

Link 60070

11133/8175/6996 kHz, 06-10, 0030/0040/0050 UTC
Too weak to copy

11133/8175/6996 kHz, 13-10, 0030/0040/0050 UTC
11166 60070 95184 13001 00049 00000 00000 00000 00000

11133/8175/6996 kHz, 20-10, 0030/0040/0050 UTC
Too weak to copy

11133/8175/6996 kHz, 27-10, 0030/0040/0050 UTC
11166 60070 78234 27001 00049 00000 00000 00000 00000

Link 70202

10541/8113/6791 kHz, 01-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 01-10, 1200/1210/1220 UTC
11166 70202 67439 30060 01999
00548 96207 90801 04077 91038 49125 82628 23908 16224 17990
05599 51821 20229 55819 61790 58150 29408 42797 69190 93150
71674 76672 82434 34479 32648 47239 33971 36723 22057 62091
31555 62667 48823 15822 73045 00991 28290 19886 64412 00073
70004 35276 51908 72600 19511 75231 04340 50668 52579 70147
06371 96044 45321 11878 48798 95312 68612 19629 26743 94554
80278 94610 81681 53274 13466 55653 48265 22252 84641 72964
91866 75003 69666 42221 47781 47547 21362 66180 98025 66156
27024 35993 46676 67787 29321 29420 79675 42870 58995 68121
20050 55154 52830 01224 14481 18286 55303 07339 12150 33815
27367 32225 21816 20319 10803 04292 58050 88316 21570 95107
12564 40685 70601 17130 11579 03239 35480 75819 45169 15177
31423 18340 79503 34087 55032 46030 87950 35179 99225 82828
61954 09448 62801 16846 87646 90449 03069 57266 99107 64380
04987 73769 44229 43140 65233 10665 24114 05072 14663 92908
91948 33069 27582 66217 22280 04728 91267 38439 86646 14245
34186 14387 96493 30729 36341 41316 99307 22641 70183 07236
38911 03022 45526 59233 15862 75217 56901 34016 08878 83773
56801 17835 43243 00197 03222 78004 17116 98267 54979 33177
21691 98585 13200 54589 16147 87050 32449 60197 00000

11166 70202 48629 30061 01099
66615 35957 32123 01094 15881 10580 68493 08116 21266 11055
49452 60026 87404 29666 57002 44752 18458 84851 46489 29812
80998 29373 56211 54131 81837 33197 90566 87533 84228 58269
62676 87594 10888 67370 07418 08548 07272 34242 00795 41926
63544 47168 46613 93632 18665 23206 16355 27122 95062 75240
53235 27384 37290 99067 76341 65415 53138 72675 45813 67867
80619 84931 74993 21553 29270 35836 00495 67513 69207 75563
46105 64313 66378 74445 41485 25268 87434 41105 81583 59283
22675 30924 37719 69991 00496 12027 56251 92882 91776 80973
05796 75105 27647 45345 58902 27635 79073 15415 19155 04491
71693 72083 29606 88691 34348 03275 23509 61107 00000

10541/8113/6791 kHz, 02-10, 0700/0710/0720 UTC
11166 70202 48361 02008 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 05-10, 0700/0715/0730 UTC File 44462 (binary contents)
11173/9246/7611 kHz, 05-10, 1200/1215/1230 UTC File 44462 (binary contents)

10541/8113/6791 kHz, 06-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 06-10, 1200/1210/1220 UTC
11166 70202 15973 05063 01759
55555 64767 05780 27788 90010 40344 42415 84712 63604 01168
31737 47888 60997 44111 17023 00244 24705 13666 75688 33285
55846 65456 75868 06769 38887 80990 50021 80231 23234 32542
34767 48928 11384 03237 75823 87270 03716 24597 95570 78467
06785 82359 47049 14487 33631 10127 05404 29253 33312 93434
65142 15569 86557 08778 47707 59089 99244 94702 25445 65765
87779 19777 87500 45188 69131 68614 54310 56431 01232 21544
34664 66555 58899 63981 12920 01104 62033 24344 44837 44555
17476 95690 69879 07909 19090 33302 71392 93526 65377 76520
38202 48289 89938 38092 92011 91123 10213 44224 63634 36522
99905 71912 61339 32323 21766 57775 50518 74488 09853 22309
32812 09710 60051 43184 94326 24578 13755 05162 89642 50011
21589 86005 21182 83922 65140 70001 95223 32225 22554 56545
55584 86669 26778 26009 19008 98811 42332 62370 99380 84097
88185 37907 74023 35208 11110 29011 80124 62324 51436 76565
57745 64011 20508 36061 09435 87218 33140 04645 46591 10807
26368 03194 06911 91030 26243 23554 87849 30409 09705 37867
17788 40043 62247 63173 00000

11166 70202 35719 05064 01799
73773 43984 24328 28676 13476 75251 93689 00865 84588 26067
16179 58992 21900 49931 81343 53224 92543 95559 26667 29066
46998 06891 10632 82332 77286 54140 67849 60902 48686 48290
46390 76156 25669 27656 46889 33801 51152 16228 39940 50639
49010 71149 22323 49405 17548 05336 72202 53022 00234 02206
23745 42166 95779 37558 39388 30600 80595 10219 91091 39401
39328 71612 16521 91847 32736 02534 92214 55769 37499 48634
84646 80808 48101 78911 00021 92124 32357 75468 07502 07919
71273 89231 83109 35232 53414 16317 38990 40131 80306 87223
91653 98909 68891 04953 62354 44453 35475 25556 54881 80298
88944 02210 61441 36657 04968 77788 82216 46650 96709 40012
00787 32146 34855 81136 82435 86567 26687 96786 38879 39111
41827 01229 84334 95698 76749 25880 58878 97211 27901 22921
56486 95999 95501 32838 15621 88719 99890 44018 82830 60123
89401 50035 72323 55543 04663 35564 47561 25787 67980 98080
21892 80132 43333 13333 13554 84557 76679 49690 06701 20000
70900 79223 12335 42334 55544 44401 67188 16900 11274 49224
54775 44576 77873 20072 55180 48618 59222 64177 00000

10541/8113/6791 kHz, 07-10, 0700/0715/0730 UTC File 44465 (binary contents)
11173/9246/7611 kHz, 07-10, 1200/1215/1230 UTC File 44465 (binary contents)

10541/8113/6791 kHz, 08-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 08-10, 1200/1210/1220 UTC
11166 70202 91246 07066 01399
99167 65334 41024 25327 08952 26793 85528 06447 70330 26543
18386 90398 34014 92627 27252 27645 88233 20753 38494 64153
08506 91914 49042 19420 41501 60419 10299 24740 90157 48269
43775 20177 92272 06828 93169 33660 09727 31699 42541 90641
70543 41782 55298 27766 30964 58409 13668 08977 49743 45528
63343 67499 91817 96854 92994 22150 03580 80934 03330 41384
26899 80051 45395 53551 44120 83923 32798 26767 71189 24123
57549 66859 41127 60149 64199 06814 45007 53111 61969 86161
22649 87929 79551 43748 20210 30029 92274 72316 56849 27424

76327 08345 67665 94164 69709 55574 15096 36062 44612 65671
85954 04636 20920 24444 16300 90226 75496 17080 11335 90197
26979 70809 52496 13181 00728 98453 08954 05292 03657 91295
95681 09250 63604 34692 45306 92355 12946 44889 85903 04247
21131 50457 41947 50376 05835 66801 00590 66137 00000

11166 70202 81793 07067 02139
21287 87681 92262 57706 20220 47149 68203 03375 43103 58026
23525 77922 71869 13534 17181 15365 47758 50717 63567 08551
14383 59492 46526 22950 05420 14847 49073 89055 25357 74367
09794 28086 96762 08283 41826 90671 72480 54223 75389 13227
36209 13869 09773 21674 39903 33680 85747 37225 51418 36897
14318 63902 10855 98998 22762 62479 19030 83807 03889 40539
06510 82419 79464 13332 56656 22160 13732 15125 81105 37745
37958 65719 71127 21836 71971 21839 73307 97177 53591 68068
62976 77504 11915 27021 13832 09406 45391 93445 87189 12333
90605 21940 89305 58939 92742 22959 70193 62944 13629 46824
62390 66696 38320 60399 83097 45635 66163 46131 48143 71836
97261 78143 71189 03827 50291 55070 46639 94850 72603 94304
39672 36786 28549 17378 31837 81893 76959 81124 95661 09579
73732 34342 96693 30372 60447 04628 46425 44287 24954 45073
54534 95779 44872 95516 53876 92462 49942 38028 96669 79783
64154 51322 45312 88845 13603 93784 06261 99559 11008 69799
80412 86319 52820 59063 28438 38378 89874 13579 74477 72125
57509 52004 96668 77441 76097 06064 77919 65323 57926 98686
15374 08969 81357 58578 12009 95499 18218 00903 98793 30529
25345 28766 60860 62732 36230 35185 66106 20635 13699 10238
19683 78797 49561 83073 92796 95570 22177 53473 99264 89633
47863 67211 00000

10541/8113/6791 kHz, 09-10, 0700/0710/0720 UTC
11166 70202 48156 09031 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 12-10, 0700/0715/0730 UTC File 44468 (binary contents)
11173/9246/7611 kHz, 12-10, 1200/1215/1230 UTC File 44468 (binary contents)

10541/8113/6791 kHz, 13-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 13-10, 1200/1210/1220 UTC
11166 70202 59638 12069 02239
57984 76021 06995 42117 51323 75766 91870 02022 50574 82943
43971 50979 75887 02788 61530 91417 44934 00682 07090 63456
45672 03692 02193 56167 80436 58405 04346 30020 65681 67189
75691 97418 21768 74558 02540 57891 37164 25729 75267 35342
41417 68969 87932 13723 71304 23908 67155 18228 64548 87438
89197 38944 65380 99285 95085 43790 76471 38899 62954 77424
41455 75778 46925 93334 92531 44940 41962 15713 47496 69485
84098 78101 90524 02021 45457 35755 21112 07076 33259 98345
05632 56003 52371 80214 15681 56633 40712 14773 87856 89267
36817 30099 89045 71012 89110 32513 21929 20353 66095 95046
54673 43730 76830 97658 09698 16083 61293 16077 95327 77271
59704 06194 15141 16100 20353 80778 39229 63987 55338 25503
71684 70040 03511 51098 98779 79448 09939 28387 52192 87115
81471 03499 71658 88290 27581 39472 01363 98239 45893 81797
04555 62609 61981 94252 30655 30615 82436 62297 19293 12741
70889 10550 75695 94867 06283 31595 01563 30734 32722 72541
16247 84637 60259 76768 52039 46110 26068 27168 58554 88689
75311 88159 00046 94290 71263 93174 80350 15539 93596 74536
79781 97409 34870 82589 38221 30525 54006 90912 68988 57666
96416 34676 37564 05472 40217 78714 90023 63266 77610 62476
64933 80762 91218 18541 73670 06690 34266 11725 83085 39964
74423 95429 85228 15584 10480 32397 88280 96900 21164 76498
13196 92210 00000

11166 70202 59427 12070 01559
09316 52913 76473 32104 74343 05605 85389 42576 49022 54947
36420 04116 55019 60474 35102 57774 34549 63867 29768 64868
45571 46962 73576 81394 86743 00695 81259 31993 66571 78230
09743 32986 42824 38940 22468 12694 27223 27434 78452 51227
82163 33731 27231 20448 94696 37092 69190 84359 36556 76678
22378 36919 62402 28448 50467 37811 77208 94733 45805 47224
37965 48828 05503 07081 87261 07158 39010 97163 15709 66938
15500 65273 94793 83332 01000 12869 50998 39767 78939 83452
75313 10322 80594 83240 97992 40058 74712 62726 44432 78976
21421 33509 83613 67539 32200 53173 41384 56733 35251 80739
52836 91791 52680 49428 28391 92917 56994 74076 15364 88121
32009 85261 71315 65609 34934 07713 36972 34423 47611 45070
91019 80356 24211 23189 69222 47028 08786 73467 26503 88469
11941 74712 67464 72379 24309 23927 29012 64437 30913 65128
19542 20377 74284 75138 11840 19235 46695 14196 04139 35690
70153 00000

10541/8113/6791 kHz, 14-10, 0700/0715/0730 UTC File 44471 (binary contents)
11173/9246/7611 kHz, 14-10, 1200/1215/1230 UTC File 44471 (binary contents)

10541/8113/6791 kHz, 15-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 15-10, 1200/1210/1220 UTC
11166 70202 15973 14072 01779
36194 09970 81593 76688 79718 99808 19104 32455 05457 34366
47576 36779 08139 87081 59092 12337 23344 53456 97756 67088
16606 06678 38646 74477 45545 16888 48199 49991 71021 11222
12253 14344 34444 15667 45269 95798 50810 70598 39700 17696
54488 65309 99889 58791 39243 22245 56552 25232 44575 74666
46668 08901 10923 32333 51335 84657 05556 65614 92397 09091
18999 17788 45579 98979 19898 68900 20001 41112 81323 93346
24346 76535 66603 12687 87880 48001 09103 73212 32122 41263
33345 03555 64214 70911 51133 21373 72644 95562 82234 43624
96546 97556 47777 08809 18900 49000 43158 23576 38766 26768
58000 01112 96302 05443 32273 48944 77566 54780 98832 49099
81321 39103 40010 61222 84364 63456 14367 47756 03902 99021
11134 22637 13325 15558 16545 56877 77878 28993 70006 08113
82243 13425 82265 04776 79556 08748 17609 26698 70800 20034
22276 83294 55345 74556 74665 56078 49899 97099 11911 71541
56324 53255 45355 82846 57467 68169 38150 70173 31110 42125
72141 94534 25546 35667 16899 77087 83590 78852 30341 13723
52343 22327 73506 57961 17878 72175 00000

11166 70202 35719 14073 01859
47611 61113 19221 22343 56536 26597 85356 82512 37218 02156
35455 95081 34119 22359 53552 72453 76967 27779 66892 48079
22910 80103 02144 24734 95065 83788 15530 27653 66467 77688
18180 40223 70232 13333 24263 34433 77467 13789 18022 50270
51923 20134 61253 33332 43767 15466 05677 25888 68809 80011
40010 61453 77434 15707 06699 27178 48999 49810 89477 48011
12154 42318 93632 46878 68792 97887 40989 78132 85212 91223
24447 52542 82243 74222 91355 74333 52434 75446 85458 86767
90798 19900 09819 71012 30287 86433 37609 26290 99312 88000
60419 42215 62456 96660 48688 87922 49990 70111 51929 89444
76256 33347 24886 42157 26461 33690 30143 12251 10735 75229
12455 93649 46777 75577 28679 38019 11189 08213 11122 83535
86556 66447 67007 45758 29484 06923 38142 50334 11102 74929
36524 65576 50465 17687 38791 77200 91212 71335 82164 44582
56645 95572 55589 35089 67968 98910 41242 33323 93444 04436
33487 57186 97669 37012 30182 60224 72234 54305 61433 51246
56447 74567 25577 98099 92808 05800 84032 02644 76565 82460
86604 74368 49080 99914 27588 47390 31322 31245 24556 26776
62960 48900 50132 73183 00000

10541/8113/6791 kHz, 16-10, 0700/0710/0720 UTC
11166 70202 15934 16099 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 19-10, 0700/0715/0730 UTC File 44474 (binary contents)
11173/9246/7611 kHz, 19-10, 1200/1215/1230 UTC File 44474 (binary contents)

10541/8113/6791 kHz, 20-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 20-10, 1200/1210/1220 UTC
11166 70202 78245 19075 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 75189
00000

11166 70202 98214 19076 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 76213 00000

10541/8113/6791 kHz, 21-10, 0700/0715/0730 UTC No transmission
11173/9246/7611 kHz, 21-10, 1200/1215/1230 UTC File 44477 (binary contents)

10541/8113/6791 kHz, 22-10, 0700/0715/0730 UTC
11173/9246/7611 kHz, 22-10, 1200/1215/1230 UTC
11166 70202 15937 21078 01799
21979 19911 44976 92760 96131 21125 41075 12375 34636 39927
87093 05534 30904 49308 52650 18647 83559 50286 57254 96396
26737 42108 15095 74458 37415 77720 06109 03565 99505 02919

65499 65855 29354 02631 08899 69455 92361 02768 35370 32206
65407 01077 75418 90497 24755 25434 76217 94137 64138 43021
41225 73187 72710 68813 66385 87713 27540 46822 40097 96386
80349 02535 99141 04861 43180 89973 57751 79882 02665 81830
52015 40053 17605 76099 66798 59192 79539 17653 37377 43237
40983 58196 42957 66614 41029 03039 34282 79016 83006 18120
62510 18537 43874 95727 01549 92078 20039 02337 81024 08992
39285 57031 72100 78871 93512 13909 93301 09455 71954 46948
28549 65542 99577 60738 74595 74907 10341 75533 60031 92106
10004 60059 03072 56137 08182 10512 00294 02886 24320 99181
63518 18293 97278 41149 47030 43183 53224 52480 32306 65688
11509 98366 62465 62212 33223 54640 43599 72860 42108 31110
55195 22284 72532 30148 36819 21871 24189 38966 43267 14225
28230 79030 85350 45861 54514 61028 98519 79066 14649 18853
06507 78857 40525 21017 72170 35971 43027 78177 00000

11166 70202 34519 21079 01839
39512 56218 49757 08166 82000 26391 80598 18801 00052 54582
79106 38441 30528 52227 13072 34134 24172 25549 51183 12196
01898 00774 07851 36053 12744 57645 29523 51600 29427 50927
20955 12271 42424 24584 34847 20995 38532 48319 73303 31245
74836 31167 74549 74350 84027 91829 83329 05265 72001 90425
28444 83980 93684 51367 55849 34780 18016 32026 90756 50497
18033 16893 27182 33995 46984 41913 68363 94028 86419 78686
66510 37700 77193 33213 35286 26675 69309 38879 33504 89359
51550 48375 43434 06223 46840 54219 92185 10446 84253 92580
89593 71101 83630 10100 81043 51027 13727 98378 38675 56601
09831 25832 39405 21601 61799 21596 03201 92326 08432 91167
90048 06184 99135 68478 79049 80911 08814 34071 78076 56643
16912 54090 37447 57981 86558 19746 66025 68286 04749 91966
73209 33358 69495 80905 85237 36695 34891 15006 09237 13529
50015 79298 43479 95811 52635 27625 57251 05351 03618 98480
88803 37274 73010 89150 34793 01015 13719 67840 29673 11005
83710 28474 38460 44257 02707 17869 11320 07042 54268 89944
73402 77818 69243 66686 48371 18631 51490 10522 39063 72153
31824 79181 00000

10541/8113/6791 kHz, 23-10, 0700/0710/0720 UTC
11166 70202 47651 23097 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 26-10, 0700/0715/0730 UTC File 44480 (binary contents)
11173/9246/7611 kHz, 26-10, 1200/1215/1230 UTC File 44480 (binary contents)

10541/8113/6791 kHz, 27-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 27-10, 1200/1210/1220 UTC
11166 70202 24685 26081 01139
41150 13848 83324 44040 56416 97863 05778 88025 34049 70138
65740 70921 14635 57023 87031 47157 21962 10637 71139 03642
62916 02099 32126 78043 37627 66026 87881 58807 58317 88493
68660 71599 00264 55637 28846 81864 33341 05088 72869 68183
07561 47420 31232 46120 91052 49823 47557 47246 83925 99147
62618 83020 56447 86545 06277 48231 84971 80878 33265 43668
84067 83081 63758 22722 58262 78670 14668 91599 21869 30583
32591 17839 60302 79539 64364 26808 31341 44108 26149 90889
29778 37669 56988 41017 63870 44457 67777 55269 17057 21875
21575 04202 93359 21262 06213 57602 69920 44312 85112 82363
05095 77317 37273 86149 75560 70438 22352 86557 40860 54172
31780 81111 00000

11166 70202 29741 26082 02599
92462 67747 43605 19882 10339 53739 79945 50175 88280 93293
14340 42278 34505 78251 34778 55057 12950 51330 44967 32605
46885 17914 92008 86385 48395 87227 41054 12247 22183 85105

07866 96981 17125 05519 85224 94124 24021 93066 24129 73682
42971 73608 55711 75466 68814 75231 64814 20738 68082 06735
51167 61831 45883 85819 39097 74460 26168 34179 21712 22384
93820 81666 50496 49122 71987 46730 06246 76415 33111 85312
12301 14103 67090 25389 75994 11120 54999 29340 69254 02292
21817 51339 84321 30617 66601 81955 25479 49731 93531 97145
22779 36224 92277 53829 78657 66518 41118 99228 83414 37979
31250 86177 60465 38954 35726 11563 27324 97418 71463 20104
83244 62937 27754 40648 59457 01596 59710 47178 92940 08620
70100 61711 09672 68355 27992 41279 28277 16298 97651 16177
20040 82858 76138 71675 86186 23565 63024 90369 38399 65357
10677 97364 93489 23709 28557 75479 18164 70214 39945 42657
84828 55363 14556 08772 24371 16178 25462 54014 86840 23398
03782 96049 45991 47906 89543 38131 08593 51077 02196 15361
14483 28742 79169 81276 38260 63452 55952 01965 28593 64732
86101 49875 46052 02009 24638 14536 85418 59903 23251 72344
93399 70572 10765 82632 17702 02788 57292 02184 48377 12447
45515 35402 37396 84190 97534 62306 07386 18823 30729 11545
85459 46221 41039 70625 23085 68418 37152 50524 87919 62558
73982 46893 38566 98382 58922 65025 18169 49980 29274 00784
27791 06441 24316 94670 65526 11135 00429 01232 42262 84292
62737 40977 10041 08565 11679 27015 63959 82265 27964 83569
03542 69978 44343 98593 64516 05208 77635 82257 00000

10541/8113/6791 kHz, 28-10, 0700/0715/0730 UTC
11173/9246/7611 kHz, 28-10, 1200/1215/1230 UTC
File 44483 (binary contents).
Text header: 44466 70202 25698 28083 00009

10541/8113/6791 kHz, 29-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 29-10, 1200/1210/1220 UTC
11166 70202 92457 28084 01979
35666 72131 64278 01690 34938 71226 23345 64479 33728 27183
02111 98057 24483 15876 23194 06701 59515 28531 66037 79196
15646 88684 20464 00384 70663 28227 35649 39748 65039 89717
00437 96752 47327 47152 15937 07591 26698 62380 46354 43061
81040 19352 58966 52233 94063 03381 89213 31611 19840 17623
91809 24464 98231 53940 63831 80028 69629 60350 50723 27252
62443 72251 71140 42786 51796 99591 21582 17894 12827 87195
46748 53978 17080 90413 86553 41410 45387 33296 35741 01341
15691 41476 77030 95196 49253 66936 73738 31529 23673 46873
32811 24922 86165 63815 74200 86636 25525 99212 67528 51677
26222 97660 21976 71974 53066 83957 40327 30370 39868 00190
73113 55088 80552 55009 33797 39379 46138 02321 60915 96034
76045 91541 38151 01447 17150 56633 08237 08908 09030 36091
41654 35833 38845 41078 46048 54606 14278 13890 27307 41710
27983 43941 38235 64861 11970 33454 75768 12810 05380 30050
12653 97508 84058 68416 74541 83328 25404 88241 98433 23014
06888 20614 33402 05067 61718 60063 69540 42241 40060 64426
06075 55836 49269 49743 94568 35482 71553 72355 18167 79100
82530 15397 92807 42726 19087 21870 01348 54879 69997 41489
96536 75183 87739 83483 33773 84195 00000

11166 70202 83267 28085 01439
68893 73789 22454 28447 05358 17753 09382 93078 50651 15725
60962 80565 40993 56876 38450 49206 03011 25006 89135 51937
58789 92530 60038 23538 55629 38007 29271 56203 37688 73128
84768 11944 01720 90131 05067 45239 04071 65546 21824 34372
11139 81240 68762 44905 10476 48676 46729 73715 24720 47336
59547 47033 95552 13237 00370 70929 29858 38488 93198 57670
25278 67819 19269 76399 17351 03016 82988 01570 15416 51201
97108 57560 19480 77914 91828 82935 35225 50894 77504 62757
29349 85537 15668 02413 92425 27950 78025 41371 01470 36528

98141 30331 99403 48019 45474 20178 33596 38993 76472 36195
20678 18652 42404 35971 29811 13937 58614 74428 01607 32852
64895 24427 44865 16943 31655 26364 78351 18886 91578 65222
09759 66098 01462 98489 69085 96332 63908 83401 38578 76175
63581 76935 46456 38392 97685 06994 16585 99063 05387 38220
91296 85141 00000

10541/8113/6791 kHz, 30-10, 0700/0710/0720 UTC
11166 70202 18745 30001 00049 00000 00000 00000 00000

F06a

13947/17536/18945 kHz, 30-09/01-10, 0600/0615/0630 UTC	File 94415 (binary contents)
17481/19834/22875 kHz, 07-10/08-10, 0600/0615/0630 UTC	File 41416 (binary contents)
17481/19834/22875 kHz, 14-10/15-10, 0600/0615/0630 UTC	File 44217 (binary contents)
17481/19834/22875 kHz, 21-10/22-10, 0600/0615/0630 UTC	File 34418 (binary contents)
17481/19834/22875 kHz, 28-10/29-10, 0600/0615/0630 UTC	File 45419 (binary contents)
23955/22899/19851 kHz, 03-10, 1600/1615/1630 UTC	File 45472 (binary contents)
19331/18187/17478 kHz, 04-10, 1600/1615/1630 UTC	File 45472 (binary contents)
23955/22899/19851 kHz, 10-10, 1600/1615/1630 UTC	File 44673 (binary contents)
19331/18187/17478 kHz, 11-10, 1600/1615/1630 UTC	File 44673 (binary contents)
23955/22899/19851 kHz, 17-10, 1600/1615/1630 UTC	File 04474 (binary contents)
19331/18187/17478 kHz, 17-10, 1600/1615/1630 UTC	File 04474 (binary contents)
23955/22899/19851 kHz, 24-10, 1600/1615/1630 UTC	File 48475 (binary contents)
19331/18187/17478 kHz, 25-10, 1600/1615/1630 UTC	File 48475 (binary contents)
23955/22899/19851 kHz, 31-10, 1600/1615/1630 UTC	File 44976 (binary contents
16317/13819/12074 kHz, 12-10, 1400/1415/1430 UTC	Not monitored
16317/13819/12074 kHz, 13-10, 1400/1415/1430 UTC	Not heard/not heard/too weak to decode
16317/13819/12074 kHz, 19-10/20-10, 1400/1415/1430 UTC	Not heard
16317/13819/12074 kHz, 26-10, 1400/1415/1430 UTC	Not heard
16317/13819/12074 kHz, 27-10, 1400/1415/1430 UTC	Undecodable. Very poor signal
18237/15845/14249 kHz, 12-10/13-10, 1400/1415/1430 UTC	File 44716 (binary contents). 12-10 not monitored,
18237/15845/14249 kHz, 19-10/20-10, 1400/1415/1430 UTC	File 84417 (binary contents)
18237/15845/14249 kHz, 26-10/27-10, 1400/1415/1430 UTC	File 45418 (binary contents)
10183/9143/8138 kHz, 30-10, 1900/1915/1930 UTC	File 40459 (binary contents)
13574/12142/11456 kHz, 31-10, 0600/0615/0630 UTC	File 40459 (binary contents)

F07

11147 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2000 UTC
10463 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2010 UTC
10176 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2020 UTC
9248 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2030 UTC
8173 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2040 UTC
7629 kHz, 01-10/06-10/08-10/13-10/15-10/20-10/22-10/27-10/29-10, 2050 UTC

M42

16156 kHz, 01-10, 1300 UTC, FSK CW + FSK 50/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL UAL UAL followed by operator chat and a message
Errors due to deep fading

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 24685 01126 04009

43293 49802 01629 40007 67314 01844 94063 26127 31589 61423
32138 62962 76122 26014 65385 84102 73429 56013 59941 15900
08654 19106 39059 73818 30098 86662 83889 60066 06103 61886
92943 54678 49211 44381 23690 17237 93553 60835 64716 41441
36398 16502 11896 29677 79790 47172 46993 79806 33234 76323
42152 01349 63346 07127 38696 03245 01415 04012 73686 20381
44813 43463 52668 71089 13192 03847 92048 6277_ _0936 82296
54008 73087 3____ 440__ ____1 01178 77450 31714 26897 07853
03898 79540 72473 __400 52678 77450 31714 26897 07853 03898
95626 12796 21290 51996 46857 53405 00419 97103 64916 32382
69072 61088 47692 56914 26940 36122 99676 42604 92727 94224
48415 39461 52880 24628 00117 53695 89311 66178 70358 45007
84573 26923 50829 04043 27907 08112 98042 39716 70601 74768
54965 31086 04119 40037 41484 23468 59402 55478 74668 73470
50813 24523 04747 72644 13141 81246 77750 04439 05109 01663
60750 14140 -7826 39738 90626 96485 31622 05280 32320 30645
09682 25925 57486 17251 01958 60388 79497 97165 57754 55169
_0573 86674 02301 ___08 93089 48795 02790 57564 17656 85385
66162 34624 94477 79740 52345 53512 08366 44361 41113 74394
41669 73594 92158 10569 09968 65816 74783 70616 41603 64859
93763 81522 61999 25358 34855 09932 68705 31720 78359 23736
08102 25382 54199 61191 89694 20068 369+7 99727 98936 &718
7412_ 41667 94632 98774 65955 00014 60533 23_54 6453_ 40___
34234 46214 03258 01175 14158 20477 06296 67457 63418 68037
10443 _02_9 88919 11084 40008 22808 91113 46195 24430 30180
58871 62415 07453 28616 36315 19212 55614 71873 72576 38964
39488 81162 90386 93708 86124 01078 34462 90798 26109 28663
85613 872__ 22_15 57820 51502 86963 83438 06229 70013 02005
71775 16974 86144 80128 76972 52076 88384 30742 55903 20092
15491 008__ _0107 04992 73_17 92633 06320 88493 96728 92900
14693 83039 20240 01386 96834 17603 38808 55302 33406 43522
24231 64195 99947 52531 80373 48343 77611 24194 49071 12017
38213 44914 73942 06291 77042 65719 58047 61091 91855 90999
76335 91176 31509 15388 __007 09718 62642 50980 45355 76196
27886 12068 78169 42275 93993 49582 40724 2__57 13359 52426
93166 24498 47354 57900 43_30 14377 24904 38382 68361 49998
34812 56482 50223 57830 75077 05823 49394 78041 07961 79667
17225 67552 93916 34560 82793 78566 03021 41171 75899 17284
27271 3__0_ 0__23 12460 42202 40921 70218 48558 91253 43329
39802 43082 91328 53142 96894 72879 82986 29772 96632 79038
73697 95694 52062 05092 47599 79002 15630 48203 40201

16156 kHz, 08-10, 1300 UTC, FSK CW + FSK 50/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL UAL UAL followed by operator chat and a message
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 25163 08131 04009
92681 03051 07631 34945 22329 81998 62463 42290 88542 78379
60285 57767 31651 91953 65496 06375 66652 22794 78833 68632
55310 50484 27090 97913 36534 04810 10349 25370 94765 26403
98923 13389 71023 40754 97198 43531 46329 94046 16545 49873
52166 24251 24508 33695 87691 65892 62456 20461 48365 11970
48865 45017 95695 81424 10448 75949 22784 65617 08287 15042
95358 52253 51190 32766 72987 50175 13428 25750 40146 63481
99061 07148 01847 88394 20039 65868 23496 31321 80242 55575
19685 71540 82685 99422 21591 16962 02044 21445 77676 26382
89700 40543 67383 96686 03500 88007 32495 38432 79399 34517
55867 88238 87197 37540 42210 31444 37539 45095 80602 33442
32368 16781 93439 03154 76033 48046 01489 37064 89219 08606
59745 17266 92905 30963 43786 61936 54523 09961 91282 51703
13510 99312 28393 80318 28451 16038 35696 03095 12983 88745

33366 81520 52660 10708 90272 47519 19960 83649 86695 35763
29628 63202 85336 57496 01535 41953 90326 14300 23242 31035
98898 75230 29469 26180 75435 65783 40631 69189 02556 42102
27657 40754 88951 48883 95254 45547 38638 84409 00831 75556
11330 21150 51236 62564 28607 55361 44528 55728 05576 84135
48950 85202 12705 33319 36297 97722 97519 84757 11862 75110
20854 76287 08160 71615 87336 72921 34604 31052 74802 32662
00324 69653 92322 15382 52322 35587 21526 08213 96142 81065
20919 65864 91255 07998 97873 89334 38327 73110 77982 91427
00576 63474 26466 22533 26403 78387 01312 55087 65470 78538
42847 50172 95427 88388 29418 54677 01478 62726 53878 02464
75946 53303 00553 17971 30077 36519 27391 45706 35205 88071
82974 54043 35523 15519 13082 86783 99611 84691 36480 60896
02930 00884 94661 33903 58445 30774 05173 89316 37606 76001
73257 13590 48819 34344 41486 63001 65646 09425 82054 43925
21891 54898 61458 54917 15763 64045 32202 64045 90321 40710
31258 19925 82369 12530 89952 19876 56991 72382 84954 83643
69924 58994 85071 06130 24954 12652 73540 87563 18509 66937
50477 64547 88653 62447 45208 90422 10667 93415 93140 38389
06383 23189 56873 25815 59492 29480 96236 83176 53992 65350
16944 16063 77961 46849 52542 33685 59856 03254 59350 42331
29520 50841 29080 27189 21078 76134 48812 70997 59921 39556
63024 82947 00956 35437 17365 36268 10310 69300 88843 37953
07689 38376 32136 79042 11558 26272 96699 38920 54344 47739
94362 42036 59850 04485 22100 90527 00060 37940 69669 21141
73523 89953 66792 59914 72515 07324 49588 73049 31148

18726 kHz, 08-10, 1300 UTC, FSK CW + FSK 50/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG followed by operator chat and a message
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 48625 08131 04003
31990 63412 48196 54846 48525 78092 51842 75355 17837 35332
75720 04546 19723 59095 39539 25350 65790 17159 05885 14227
30992 72542 06142 14526 39167 04965 26514 60321 01024 94503
45078 05455 27999 84649 15811 77400 70437 66946 60526 80-10
53523 54396 54661 19692 00401 35824 57842 44999 28929 28381
45185 53857 81495 70414 40240 98566 76344 21764 85546 83014
63834 63808 11719 51845 00085 16836 91003 02011 23430 15203
86247 71354 16138 10542 31216 83948 49809 92083 03691056846
37913 43162 73797 97953 43883 75461 48988 49702 18227 08281
34123 58204 63063 85009 85086 72589 47551 43993 31381 04202
22627 85985 82120 00351 08501 05368 50882 12294 53338 77323
60336 62156 86578 18160 12607 38449 15311 60963 36279 74902
37165 13770 46018 92277 68130 92443 75715 07861 08765 45454
71110 42311 97215 12730 52819 78574 22493 85786 85716 52519
96439 61307 15597 80009 07823 05371 59062 50085 06998 70512
57569 38948 94573 32799 31572 24431 12521 41120 95701 05644
61155 95864 20921 57489 90444 99182 54582 74716 39061 44021
34341 85226 19630 34110 56849 37298 73607 52096 87175 90419
44223 18010 19879 64435 40928 05249 27687 26672 93779 06272
58706 21739 21215 65184 68105 73696 59627 19405 95208 15277
28211 17610 21938 23832 27486 06122 73536 68726 94954 00952
47520 99819 66331 87674 81789 31772 15767 16313 97827 03824
73517 83442 79950 19755 44496 18683 76519 97709 76137 17769
34063 84569 49013 89400 00253 14564 88647 08041 56659 16811
21950 89864 67232 01468 26728 34033 53443 79178 47690 96495
32019 93520 77403 88489 76219 71117 25617 16944 86579 19116
25412 08959 82068 24722 49600 87554 47593 36462 35817 90882
98784 31883 43741 52074 50011 01357 92880 81928 96548 02687
54363 21615 46852 66208 95173 57581 65859 55059 98256 15865

15266 10315 06951 77973 01715 35672 67166 85546 68831 01380
65761 25971 94041 72083 88539 16133 76116 88292 46320 26515
24374 56142 42512 12802 85478 25148 80623 47201 68780 58632
35156 66652 56121 26518 34315 80121 07052 75172 27969 02164
95399 53983 39307 04945 38121 03368 23617 05905 02374 33895
82640 33256 01750 51203 07924 36498 17612 06409 51611 34143
06456 76694 48120 15829 79251 05752 35131 41026 63691 58786
47328 01505 85293 71748 81343 39755 28276 99501 55309 40568
62167 92594 11498 37934 45072 57339 35451 04461 39530 78877
90059 15513 01920 11920 88015 05227 31322 68853 51083 56623
88810 59890 29627 92980 23071 64968 80824 62664 63322

16156 kHz, 15-10, 1300 UTC, FSK CW + FSK 50/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL followed by operator chat and a message

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 16528 15136 04009
98318 65752 01100 88969 10182 81538 69694 16880 57517 72653
75087 81131 06126 57041 26711 02396 01922 52046 25118 27655
75884 67905 73231 05194 12774 20100 81834 30787 75810 21487
73975 88511 04498 40156 18003 34627 27769 33940 43885 97963
59666 97534 22532 95242 69717083142 12780 84787 45209 80592
05749007040 87545 67874 21248 85335 09872 68019 35919 85374
28158 73254 47802 56812 62928 22401 07024 05426 93815 42412
67274 69273 34145 90021 37783 97309 17716 54421 40463 53864
14985 06915 01924 97447 20829 08479 35033 07309 81074 11173
89712 56182 49990 14335 77666 52661 95913 61499 00720 01647
97226 88973 37456 56288 95832 62013 67848 59878 00352 59538
40558 01117 56208 93306 12607 31192 24796 72517 16089 16124
38921 49745 31631 22789 26693 09169 73271 62080 21068 83024
14458 37632 97217 07205 09839 73544 04924 51976 92551 19558
88171 88715 51677 57099 09150 78623 19572 54646 18819 94352
23729 45847 41258 10480 82901 28834 63968 23761 52135 10156
51318 89111 46420 41789 23318 82251 97642 24645 66922 24936
24525 77019 72031 33737 20244 91428 09394 78281 87405 28247
92581 59911 75079 19614 91247 46687 97565 82021 87829 25675
39588 61035 94904 58460 77600 56585 75368 50818 71900 02252
32647 72482 09218 96997 63101 87951 00493 12785 87835 84261
63508 26496 06083 06680 45080 49617 37365 38236 62476 54114
44603 84040 68770 17929 55378 46332 71805 38552 23523 01177
14960 18090 98227 12768 24887 08288 92861 46267 54472 68909
70683 65105 78093 37953 89632 23710 66481 37116 73395 91560
97297 80941 00926 69549 80636 23110 31606 84550 75651 58281
08248 73155 52970 52952 05108 90505 82605 03750 13109 05156
52043 46606 79458 65919 44184 65244 43852 51612 29849 72428
38439 39656 54509 62393 43748 54453 23956 57913 17763 81501
18572 00430 40322 58151 90909 56686 40042 76972 26258 40305
95947 62654 70879 71741 30995 08370 57619 25055 39679 82564
83557 34937 01607 42080 19401 62412 80334 12569 55306 42738
03340 22134 12809 63715 00837 99118 77559 48206 35100 70009
32540 38936 33800 18358 96466 09245 37439 90686 97048 48136
18358 60303 33796 93087 38523 84953 10076 09043 38259 19275
39080 37043 73139 67958 53420 60920 41196 90577 73013 65488
67659 94016 10962 84690 39396 73426 22104 63107 06248 87663
23934 79299 91451 80128 44568 04386 78324 80960 77449 94332
65411 51512 47482 39353 07276 57050 18274 18885 83116 78610
95180 35572 60414 99958 03845 26677 45780 30583 48900

18726 kHz, 15-10, 1300 UTC, FSK CW + FSK 50/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG followed by operator chat and a message

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 96584 15136 04003
99077 47026 70622 06139 87732 22416 87723 90344 92003 08706
87516 49288 77931 50930 44270 74804 82101 94097 68456 21368
62514 31306 16066 96447 69084 49999 88650 04468 82212 18561
35033 99074 92854 80419 90597 23386 22537 47871 15134 42923
06749 12785 15141 00901 90148 16404 61547 50567 07030 45402
38776 44291 45473 46408 86098 84062 18629 76168 17204 63114
91569 29546 28939 53347 37138 12535 35135 18230 19247 52483
86477 55891 27051 62713 62344 02066 08434 03721 45557 47592
76256 08142 15976 50150 85789 61682 23887 44925 06781 57190
29100 83882 38579 64053 16721 58343 41778 80126 25512 84552
84784 58360 49789 56920 28776 25325 00794 98621 99473 33815
38475 64255 19164 16727 09615 74237 97417 34392 53245 85617
03937 32553 59285 29014 71961 53172 91334 66345 05689 65262
09567 49053 90132 07922 54665 81497 26854 62765 78719 19218
44017 97934 34038 56746 54197 50883 55812 84653 58372 42113
99554 20530 19559 37060 19274 43566 54495 98306 97298 87450
16847 95322 61702 71240 70338 63899 52267 72920 75275 32492
20914 75317 36878 57639 77548 39066 88863 35646 17251 82316
10732 82732 89753 71867 02170 00826 97137 55407 63025 71174
30695 89563 52289 43000 82882 43435 24510 09337 95314 82301
67096 87278 28731 61195 86928 44802 65867 83028 19733 41365
83178 00953 60634 74452 52347 69646 39354 49277 57514 75218
88456 13804 39168 98406 78118 26301 00634 90772 15820 47592
38094 68562 34431 75205 80090 53938 17108 61608 47421 18261
32437 83701 69401 07103 78284 55785 17400 51697 57760 03155
41600 96493 35758 38536 21924 97512 49497 08543 69045 71199
71500 02334 36453 98439 48461 39671 29470 13447 64414 80554
22196 32201 01672 23631 18291 00121 97945 85557 16541 63662
23099 78509 67159 95538 23960 28024 29732 28226 10652 98355
68770 75474 82850 17545 47799 46481 19427 19383 07914 82432
79909 44451 41744 70101 91193 67438 98779 12171 17948 42906
82961 58996 40142 86708 28514 31472 86155 35235 64922 89704
94871 49682 07022 27170 05226 57519 31107 95047 96632 48361
23025 86421 28719 66421 09178 35025 53823 66723 06364 08232
00679 27282 51414 98964 52727 34426 96549 46225 69500 83448
81391 38918 24506 61778 17578 82669 58050 06863 46909 34313
68445 55941 58973 33750 90029 29900 79171 87849 31442 18397
63100 86094 72592 58449 58215 52648 43750 23654 18717 64541
35213 66254 84594 90650 10970 79211 60776 31170 24807 70496
57304 62263 62294 66768 76487 15569 57090 88633 57963

16156 kHz, 22-10, 1300 UTC, FSK CW + FSK 50/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL followed by operator chat and a message
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYY
11100 70103 76548 22141 04009
35878 85361 32790 63568 78531 48189 43078 37456 68706 45222
71436 57217 67409 88499 88088 99133 56897 68572 17156 15628
33344 11605 90902 50227 00394 40869 25953 62382 12023 84815
32408 16847 38159 98920 91826 17285 51494 93489 64979 88809
58918 84595 15328 39136 26033 10369 59166 53031 68151 79782
78358 99755 06258 46165 56614 58177 11333 22599 25231 89253
85500 81398 29251 10561 53428 04861 49968 52559 62418 79476
44712 01291 14631 50782 89863 57186 79865 81039 38023 64671
62358 76944 25281 92264 20009 79536 89525 67849 59494 33504

85713 98808 55696 78070 09063 31713 68879 26653 62084 31243
58069 27477 26404 83040 14052 22333 25304 50174 60438 45665
87927 37899 96243 31190 51075 46415 78392 18201 59546 16292
67619 74791 50943 96259 86170 80142 35893 88055 60770 33087
09609 48003 49275 79129 55746 50015 74455 73112 28475 39718
13346 19714 23711 34373 15595 58960 75454 48279 49268 88952
38148 48364 97511 42983 41026 69630 54548 63237 25355 45153
94420 38259 00538 33170 10926 96382 79992 25980 52178 72299
82760 30251 98241 88963 11769 73562 55265 22013 44696 16740
64556 38899 98366 16742 50038 29913 52627 89759 52517 73289
44623 26381 24213 01583 69427 38475 81973 61501 47958 42516
42616 84382 48110 09015 88845 09505 70057 32751 39166 27413
31639 03496 20242 35459 14799 81908 65127 22726 58978 10297
85825 26546 12436 12929 93592 27781 77399 65580 65433 77060
10022 39014 80230 69164 61036 46065 72937 07742 68094 47033
80275 27544 35687 93054 76370 66364 63604 12164 21773 03881
09872 67704 74287 09568 99092 43797 35066 66891 12138 37548
28383 65948 18124 62679 38544 81759 34611 94272 52361 80391
26962 09317 80630 20096 82801 02739 57051 39660 22505 83618
38027 51148 31662 81256 51775 79227 26458 15801 70203 14263
87886 13107 01963 71366 25769 68529 30143 72596 58471 89317
43023 94482 19305 70322 31333 48076 25512 82683 50456 83702
70785 80196 71007 37612 27267 53042 66227 62709 67955 83566
09637 10556 45455 83797 81375 56826 88021 19393 06675 87412
98815 49693 74889 87355 69329 38582 12546 99801 42906 15833
08819 47162 89292 93631 16893 31669 76166 67959 79641 57512
48573 59532 53061 41746 52214 73972 25886 06155 61511 85912
58849 67261 98404 76705 91993 66664 52804 80441 93496 08903
40637 17949 48435 99019 60437 23474 10925 97026 34402 93722
68082 31445 44862 13950 89233 39119 02095 40797 58822 23491
04429 46543 16440 48508 76563 54474 52426 10377 97060

18726 kHz, 22-10, 1300 UTC, FSK CW + FSK 50/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG followed by operator chat and a message
11100 70103 75616 22141 04003
Too weak to decode the message

16156 kHz, 29-10, 1300 UTC, FSK CW + FSK 50/500
UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL followed by operator chat and a message
11100 70103 49652 29146 04009
14742 67191 69934 66538 90969 80074 84777 51383 60814 19802
47954 50019 68063 27848 54506 51015 97324 11110 33236 44941
09248 86778 14793 83549 30143 99171 59617 38260 38180 19491
00444 31407 13361 64413 79032 38670 43442 94476 81838 86144
03008 78184 04284 90465 47873 32771 98335 15448 92006 77564
83071 43660 59158 60884 22918 86376 26387 46414 03259 80352
01664 69980 58088 44849 02748 02684 29404 97347 29522 81310
63024 51394 46965 91967 70524 45017 20968 17886 11969 73136
74154 87305 79129 22424 53925 82413 83887 32040 29883 95240
81488 28684 62844 41475 83358 09402 12627 68122 39152 70585
76784 15952 92726 06595 77488 22662 41732 26456 38750 77710
55500 62055 21149 64737 30922 66280 06281 52528 90999 24532
48087 20446 55767 28066 33283 29275 40254 82572 18036 73412
59193 50462 33117 75343 43152 50268 74692 08342 95776 61624
22937 58326 46839 09245 55683 60822 80768 24337 49267 73948
45366 06908 83772 73384 70371 37373 94850 80243 50589 10931
39321 57800 73254 93116 66722 37989 94315 19999 14004 63642
93337 91429 65556 57379 61703 30804 45762 53088 03806 09766

36244 50959 55910 61282 35021 81972 52387 29542 99732 92806
93990 30108 42147 87092 97877 18753 66112 83952 34048 92436
66163 79763 77908 70838 28951 24073 33627 31898 04704 45625
07978 99800 40879 89408 39367 08836 95228 50691 11716 91573
70428 16950 07898 64799 37487 53660 82413 11636 40113 94864
57991 83291 97222 24466 75797 68882 45774 59179 53955 06753
91137 69083 34045 35738 57155 96705 20285 09809 53105 60583
41068 24528 99745 54225 87561 28763 81626 76437 09031 20092
17863 53915 69599 47335 68546 42073 96120 68653 18992 15028
71845 38655 09008 80677 55580 22936 99365 81822 31025 63507
92670 69252 15971 43531 50808 57746 86045 24818 76166 00919
92704 56513 48812 45857 80140 78404 36812 53472 30811 67309
21883 95513 94267 99958 07570 64185 78965 30817 02119 55294
11761 08297 93258 10868 94760 77769 57050 32186 14227 44847
68016 99162 81226 97350 02724 57007 08693 09396 54009 56110
54612 76067 98038 56092 86004 52075 81389 29946 43400 92864
20334 29218 10479 21606 29516 96157 18586 70492 22221 33784
40795 69795 49402 69790 55200 83119 69674 75244 82149 12272
67439 24001 25079 20209 61363 03784 69652 45481 70350 14861
20892 06626 29241 17253 82975 19929 71399 12416 11412 79011
20379 70339 92249 69669 57860 37984 28040 18399 60050 90007
35215 98053 19720 07716 82581 39075 96072 97169 25619

18726 kHz, 29-10, 1300 UTC, FSK CW + FSK 50/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG followed by operator chat and a message
11100 70103 74635 29146 04003
21949 85809 13305 71550 90669 70957 47056 81835 57047 14247
03611 80663 09114 52393 24330 38788 95339 76258 81080 78314
15081 01844 24935 84941 23582 14031 98636 39070 31208 81517
05031 26676 01610 66385 48634 15921 78501 76724 92535 10417
95733 35774 97823 15088 50363 65994 37713 75566 43389 11522
03566 77070 17861 47441 45006 13680 49032 49313 11286 63963
66254 21385 86125 33896 11294 06942 33187 52997 62767 29215
94385 34620 81371 36298 08215 36354 55609 48507 40288 81448
52681 31613 43263 27218 04252 44395 88359 91352 81756 33948
35638 72078 40952 77181 35239 23105 40394 91941 76767 69288
63523 66209 29009 73962 99056 78796 37163 93864 59361 09980
69786 82594 41515 65525 32630 28548 60716 62516 91556 38260
10754 50443 71729 01101 31216 65982 25259 96243 86114 44905
84488 27870 83639 39551 43122 99526 91695 15306 32361 63584
28943 24520 84253 06727 36002 81312 99437 57415 56529 85679
61469 26267 82840 70367 64910 15275 45773 68929 49387 56815
53473 28420 56779 68377 08796 15146 53755 33957 60010 86927
86815 48040 64486 30300 62045 83128 70063 86091 66771 66737
43777 11823 75283 78796 02642 54353 05843 05409 26165 31225
21136 09885 55298 44133 89378 07010 07487 72962 48249 51458
62532 23826 38843 76319 98939 29552 01833 42649 85437 26041
53024 85994 57361 52944 80494 70837 32596 52095 30499 88872
46744 62134 74331 62082 12232 32755 73338 36528 31017 07030
84256 77801 15607 45227 72074 04077 98061 88574 22596 17697
31671 86403 71906 21230 14994 35107 94915 28940 92955 02353
20166 09601 14677 34984 63111 21598 52730 74058 95023 26256
13507 25444 89745 90316 93392 59419 15453 13524 60424 37725
63630 42244 66124 91482 32439 55047 17199 98435 06667 31216
61784 32943 01444 38087 69941 87165 61926 98185 13059 86879
36112 22080 71886 50358 62993 17898 27859 63753 43233 13440
17412 71425 84542 51825 53973 04646 38956 46615 47314 97115
74183 07343 74958 60749 46244 71391 85326 20131 65541 03161
37297 29116 73592 46449 05900 17992 72591 41003 08789 44644
74983 39163 33221 48160 65252 83538 68200 28321 91101 31663
71489 99398 26215 38556 26168 91716 71790 33134 66436 99395

89029 49401 77339 97727 79768 98373 98102 78626 57449091650
83777 77565 75584 92595 04861 90474 05992 76042 89606 04000
83835 22483)38687 87595 61819 57697 66912 20853 40619 73497
51686 54536 67780 51349 92887 28739 22253 53428 13865 96603
26769 53421 58232 27058 55229 42201 62153 84977 27305

M42b

11431 kHz, 08-10, 1320 UTC, CW + FSK 50/500
K4MT KWMT K4MT DE NT9P NT9P K
Operator chat (very weak)
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
381 110 9 1315 5418 =
52956 63679 75546 59762 65325 17850 25284 02708 43025 72814
57853 45569 49566 98600 68224 01552 96333 55899 11455 75372
84736 70402 57078 69691 47792 90256 64417 46150 18521 22805
15647 27565 94817 34764 37838 46626 98631 63897 75797 31648
27871 12014 33351 61245 48189 82762 40185 27605 81397 30762 =50=
38555 99809 17937 51642 84424 42323 88454 88567 76922 22429
68119 39575 29802 19295 56679 99137 78920 39678 70467 29333
02854 88100 31700 13631 18305 64378 59371 01131 42462 86856
82800 34443 57327 70193 91288 71415 96230 18371 55799 03844
50933 00327 52791 89038 36305 33593 01878 45066 00643 42522 =100=
42383 69955 69257 94923 06285 82291 40709 66386 68156 48190
-1323 =

CFM NIL QRU?
ZVP K
BK BK QRV K
RPT K
RPT K
RPT K
RPT ZVP K
BK ZRV K
K
R 137 1328 K

11431 kHz, 08-10, 1335 UTC, CW + FSK 50/500
K4MT KWMT K4MT DE NT9P NT9P K
QSA3 QRU? K
ZVP K
BK QRV K
RPT K
K
R 387 1340 K
QTC1 ZZC K
RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
394 120 9 1335 7988 =
50561 27654 69264 82219 67903 89157 21089 45696 04482 70937
59460 14152 40298 46186 59706 06154 61568 34972 45375 95146
50243 28798 71030 87056 48261 97767 85994 26567 03885 21496
51535 63689 65950 29106 59391 72982 67723 65953 67337 85588
82314 31247 97067 95217 02302 04096 35160 62026 34429 45263 =50=
20503 88997 88704 62145 83205 57091 49642 70836 85644 56720
13128 50871 26567 56881 72589 42774 57992 47012 00902 42176
43195 60542 58970 96372 80320 32274 00328 42192 05972 04089
70326 71657 04435 27742 40654 34796 55692 71416 83429 72397
05085 88268 51283 86531 27691 80532 89117 49466 34808 64180 =100=
72053 72287 21064 56261 98112 88201 82082 44172 64516 56261
13582 99918 81270 20829 26480 87685 51347 52920 04447 78862
-1314 =

P07

10396 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1400 UTC
10159 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1410 UTC
9044 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1420 UTC
8154 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1430 UTC
7534 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1440 UTC
6856 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/30-10, 1450 UTC

Q26 - Chinese military

13591 kHz, 10-10, 1516 UTC
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
PXAG PXAG PXAG DE R5NI R5NI R5NI
XYXYXYXYXYXY HR CCK /

6352 kHz, 12-10, 1144 UTC
NR24 240 35 1012 1531 --
202 012 326 314 702 701 707 331 336 759
720 002 773 354 373 339 938 352 409 336
938 401 445 336 932 447 771 438 340 932
446 480 486 365 954 483 381 336 932 384
341 932 768 482 003 773 354 373 341 938
352 409 336 938 401 445 339 932 446 341
932 447 480 486 365 954 483 381 339 932
768 482 341 932 384 005 773 353 938 354
336 932 373 401 910 409 445 341 932 446
342 932 447 480 486 365 954 483 381 341-1
932 768 482 342 932 768 384 511 752 353
938 354 336 932 373 409 336 938 401 445
341 932 446 480 486 365 954 483 381 341
932 768 482 006 773 353 938 354 336 932
373 401 445 341 932 446 480 486 365 954
483 381 341 932 768 482 012 326 319 002
944 003 773 328 351 240 353 401 341 938
411 447 336 932 446 329 353 240 354 373
411 446 336 932 447 342 932 446 005 944
511 752 773 328 351 240 353 401 341 938-2
411 447 339 932 446 340 932 445 329 353
240 351 411 445 336 932 446 006 773 328
354 373 336 938 352 401 447 339 932 446
340 932 445 329 353 401 336 938 409 445 &

AHR MSG GA
NR051 27 35 1012 1621 --
205 012 326 314 001 002 003 773 357 372
362 418 445 345 938 420 447 001 773 771
449 484 938 486 381 938 384 &
MSG AGN
NR051 27 35 1012 1621 --
205 012 326 314 001 002 003 773 357 372
362 418 445 345 938 420 447 001 773 771
449 484 938 486 381 938 384 &
AHR CW WK &&***HR MSG TO YR PSE CY
NR075 26 35 1012 1442 --
511 200 012 326 314 507 508 509 511 752
354 373 938 353 401 910 409 445 381 332
340 932 446 467 382 483 &
MSG AGN
NR075 26 35 1012 1442 --
511 200 012 326 314 507 508 509 511 752
354 373 938 353 401 910 409 445 381 332
340 932 446 467 382 483 &
AHR MSG GA

6521.25 kHz, 14-10, 1310 UTC
Decoder errors due to fading and noise.
SKS K 0S SK0
K10X K10X K10K DE SKSK SK0S
XYXYXYXYXY CY GD QSL 2315 AHR HR NR 498- /
SK0S SK0S K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X XYXY GD BOZ NIL
$?"I
K10X K10X K10X DE SK0S SK0S SK0
K10X K10PDE SK0S SPS
K10X K10X K10X DE SK0SS SK0S
XYXYXYXYXY BOZ NIL OM
K10X K10X K10X DE SK0S S0S QSA?
K10X K10X K10X DE SK0S SK0S SK0S QSA? ///
K10X K10X K10X DE SK0S SK0S SK0
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
XYXYXYXYXY QSA3 QSA?
IEC 12 34 ///
,
K10X K10X K DE SK0S SK0S SK0S
K10X K10X K10X DE SK0S SK0S SK0S
K10X K10X K10X DE SK0S SK0S SK0S
XYXYXYXYXY QSA3
IEC 56 78 /
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K=0X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
XYXYXYXYXY HR MSG GA
255=CCK 192 24 11WEQI
4BHK---AH7X
1768 0578 2939 1234 9072 9040 0284 2592 0000 0000
3871 7108 1825 6062 1308 4283 1507 5330 9068 3826
3116 3836 4914 7721 5431 4697 9382 76
5272 6758 2141 2320 8653 1484 3071 2196 8050 0620
6592 8508 8968 2986 6853 5990 6446 0242 6497 7904
9662 1576 7848 5682 6453 2709 5720 9486 8797 0930
3603 5368 8456 0546 5736 5136 0272 2496 6858 0331
1861 1612 8843 5837 4663 3940 4148 0829 8

QEUE EYUY RUWP TPTY WYOT PIEP TOWY EYPI
5039 4074 2108 7731 2525 1871 9786 0989 4360 8751-1
9463 0767 2996 5793 7373 0720 1823 2381 0000 0000
9623 3424 5129 5164 7276 3872 9070 2470 9131 7859
9372 7591 3453 2769 8701 6912 3701 9327 6884 3224
1464 6130 6358 7190 0852 1948 4287 2519 9110 4
TWQ OWOY WYPE PEIP TRWY RYIU IQET QTRE TPRP ETIE
7126 7904 4858 0370 2098 5257 0506 2860 2851 6825
E QWRE WEPR YIPU IOTU RERI TRRT EQUI QOUR
4260 6286 0115 4953 5663 2931 4606 9506 3626 6264
3401 4532 9174 1073 5410 8913 3430 9183 8324 6510
5681 4508
QSL?QSL?QSL?QSL? NR 498 /
QSL?QSL?QSL?GK DE SK
K10K10X K10K DE SK0S SK0S SK0S
XYXYXYXYXY CY GD QSL 2
SK0S SKK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S0S DE K10X K10YXYXYXYXY
GD BOZ NILSK10X K10X K10X DE SK0S SK0S SK0S
K K10X DE SK0S SK0S SK0S
K10X K10X K10X DE SK0S SK0S SK0S
YXYXYXYXY BOZ NIL SK /
K10X K10X K10X DE SK0S SK0S SK0S QSAX//
KX K10X K10X DE SK0S SK0S SK0S QSA? ///
K10X K10X K10X DE SK0S SK0S SKDPS QSA? ///
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0SX K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
XYXYXYXYXY QSA3 QSA?
IEC 12 34 ///
K10X K10X KDE SK0S SK0S SK0S
K10X K10X K10X DE SK0S SK0S SK0S
K10X K10X K10X DE SK0S SK0S SK0S
XYXYXYXYXY QSA3
IEC 56 78 /
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
SK0S SK0S SK0S DE K10X K10X K10X
XYXYXYXYXY HR MSG GA
255=CCQI
4BHK---AH7X
1768 0578 2939 1234 9072 9040 0284 2592 0000 0000
3871 7108 1825 6062 1308 4283 1507 5330 9068 3826
3116 3836 4914 7521 543ETYP IEYR
5272 6758 2141 2320 8653 1484 3071 2196 8050 0620
6592 8508 8968 2986 6853 5990 6446 0242 6497 7904
9662 1576 7848 5682 6453 2709 5720 9486 8797 0930
3603 5368 8456 0546 5736 5136 0272 2496 6858 0331
1861 1612 8843 5837 4663 3940 4148 08!9 8EUWP TPTY WYOT PIEP TOWY EYPI
O RPUR WQPI UUEQ WTWT QIUQ OUIY POIO REYP IUTQAQ
9463 0767 2996 5793 7373 0720 1823 2381 0000 0000
9623 3424 5129 5164 7276 3872 9070 2470 9131 7859
9372 7591 3453 2764 8701 6912 3701 9327 6884 EP
YETI UQOP PITW QORI RWIU WTQO OQQP RYOI
4521 9296 2603 0380 5426 4687 8135 1543 5040 3583
7126 7904 4858 0370 2098 5257 0506 2860 2851 6825
1003 1243 2304 6807 8957 4348 5E QOUR
4260 6286 0115 4953 5663 2931 4606 9506 3626 6264
340TEW OQUR QPUE TRQP IOQE EREP OQIE IEWR YTQP
5681 4508
QSL?QSL?QSL?QSL? NR 498 /
QSL?QSL?QSL?GPSK0S SK0S

10X K10K DE SK0S SK0S SK0S
XYXYXYXYXY CY GD QSL 231

6424 kHz, 23-10, 1047 UTC
3675 2814 2506 3491 8013 4792 5726 9810 8073 9645
QSL? QSL? QSL? QSL?
=(587 6837 5490
3675 2814 2506 3491 8013 4792 5726 9810 8073 9645
QSL? QSL? QSL?
51

XYXYXYXYXY HR TRY LL
2163 5748 4102 3596 7821 4093 5798 2601 0000 0000
7651 3842 1340 9526 7492 1830 2516 0789 5840 3679
5146 3827 9623 1540 7203 8149 0521 9867 4978 3065
5348 7162 0369 5412 3091 8742 2916 0587 6837 5490
3675 2814 2506 3491 8013 4792 5726 9810 8073 9645
1")?
XYXYXYXYXY HR TRY LL
2163 5748 4102 3596 7821 4093 5798 2601 0000 0000
7651 3842 1340 9526 7492 1830 2516 0789 5840 3679
5146 3827 9623 1540 7203 8149 0521 9867 4978 3065
5348 7162 0369 5412 3091 8742 2916 0587 6837 5490
3675 2814 2506 3491 8W TUWY OIQP IPUE OYRT
QSL?
#1BEO

6424 kHz, 30-10, 1125 UTC
XYXYXYXYXY HR TRY LL
7684 9479 8412 8213 0831 9468 0723 7872 4773 8339
6453 0312 6575 4314 0786 8173 9740 1489 6765 0271
5302 1783 4042 0928 8541 3935 8943 7451 3926 0897
3680 0403 4104 1645 7485 9761 4556 6513 1581 5961
9041 3772 7371 1296 8381 2914 1932 4789 7836 0541
QSL?W
XYXYXYXYXY HR TRY LL
XYXYXYXYXY HR TRY LL
7684 9479 8412 8213 0831 9468 0723 7872 4773 8339
6453 0312 6575 4314 0786 8173 9740 1489 6765 0271
5302 1783 4042 0928 8541 3935 8943 7451 3926 0897
3680 0403 4104 1645 7485 9761 4556 6513 1581 5961
9041 3772 7371 1296 8381 2914 1932 4789 7836 0541
QSL?W
XYXYXYXYXY HR TRY LL

6516 kHz, 31-10, 0903 UTC
MSG AGN
NR987 CK126 35 1031 1529 --
535 203 031 326 314 004 773 353 938 354
372 407 938 415 445 938 446 467 486 758
483 382 005 773 353 938 354 372 407 938
415 445 938 446 467 486 758 483 382 938
383 006 773 353 938 354 372 407 938 415
445 938 446 467 486 758 483 382 008 773
353 407 938 415 445 938 446 486 382 009
773 353 407 938 415 445 938 446 486 382
010 773 351 246 353 417 938 418 445 486
382 011 773 351 246 353 417 938 418 445-1
486 382 012 773 353 246 351 403 938 411
446 938 445 486 382 013 773 353 403 938
417 446 938 445 486 382
AHR MSG GA
NR988 CK203 35 1031 1529 --

535 203 031 326 004 773 318 354 373 938
353 415 938 418 446 467 938 445 486 758
483 319 353 246 351 418 445 486 005 773
318 354 373 938 353 415 938 420 446 467
938 445 486 758 483 319 353 246 351 418
445 486 006 773 318 354 373 938 353 415
938 420 446 467 938 445 486 758 483 319
353 246 351 418 445 486 008 773 318 354
372 938 353 415 938 420 446 938 445 486
758 483 319 353 938 354 373 403 445 486-1
758 483 009 773 318 353 938 354 372 416
446 467 486 758 483 319 354 938 353 403
446 467 938 445 486 010 773 318 353 938
354 418 938 403 445 938 446 467 486 319
353 403 446 486 011 773 318 353 418 938
403 445 938 446 467 486 319 353 403 446
486 012 773 318 353 938 354 411 938 403
445 938 446 467 486 319 353 403 446 467
486 013 773 318 353 938 354 372 417 938
403 445 938 446 486 758 483 319 357 403-2
445 466 486
MSG AGN

XPA1

14564/13564/11464 kHz, 02-10/07-10/09-10, 1210/1230/1250 UTC
554 554 554 1 554 554 554 1 554 554 554 1
08587 00136 81810 43964 32072 10039 97928 85470 44777 56241
82161 67773 44999 98567 55850 62232 87246 93084 84565 82288
41535 83233 70128 16089 92510 83139 84624 58155 19250 19890
24685 32966 85909 07188 12810 35036 47728 78214 38754 67387
69752 45178 40811 25406 84440 80428 16410 16079 87473 70196
83592 95581 74424 86657 92616 49292 46904 70813 00954 58880
09542 59055 05415 27067 61292 38672 24870 26001 76731 05659
81898 51110 37765 60562 44538 72251 48445 75046 28616 08258
01160 59265 58784 70339 28925 99372 53790 30862 17310 83045
11719 50686 40204 80728 97770 22742 11066 87504 13060 51878
05770 52755 65106 29082 90786 32359 90833 16613 94141 43583
07740 66937 76688 44187 71317 00838 61176 14820 14003 54297
27782 85378 56758 83031 24491 57213 07270 52808 93186 62765
31777 53853 46147 18121 54531 15091 70238 96577 16325

14564/13564/11464 kHz, 14-10/16-10/21-10/23-10, 1210/1230/1250 UTC
554 554 554 1 554 554 554 1 554 554 554 1
09000 00345 88999 71613 62232 02287 19101 06914 50082 72167
97775 55689 57225 13941 99697 97592 95615 41417 04380 70416
53407 66739 61247 02886 49951 00530 86892 49387 02231 98924
28137 72294 43698 44365 74994 04595 58499 98072 83960 07992
53229 39823 18118 19596 82821 34688 40446 33414 09884 35631
69281 88011 31760 98016 06622 55911 26992 38478 89569 60996
49790 47804 91250 62432 55756 82942 72732 37279 22365 32126
97041 74182 24333 26117 12631 09733 42581 68510 64958 18973
84677 41097 59359 29735 28796 95302 66322 57636 70322 04621
50504 49511 00503 95378 99987 60717 90351 27267 06023 09727
16902 56793 00827 76574 29676 25963 06032 69232 40991 57007
93631 30455 22906 97482 37812 10446 14059 55219 48652 06658
78622 65368 13748 18829 77312 74581 00061 56882 12442 34340
53378 67349 25706 96991 43406 48298 93302 93250 84335 83073
66184 18038 63202 18703 01227 88218 25795 74788 37088 26872
85243 32588 97968 46691 45303 64820 72259 43752 76668 85150
73316 71507 70561 01623 73019 05816 05768 27553 33562 06554
56214 11651 11611 46423 55995 32619 92639 89097 94387 05544

27024 93005 54591 22437 66822 09806 09970 60024 46111 50046
96008 93593 57429 71877 60193 00621 58445 29163 37230 83669
10945 46963 40491 78078 76562 91007 96174 47369 20294 70977
85843 79725 44065 69530 54921 75664 97022 59358 90869 23989
97492 99330 46738 99476 00674 06767 74805 06762 83867 07819
73194 81992 17716 27242 25674 14381 30538 03346 04648 19475
56572 77090 36544 24532 24912 01410 16733 11375 45217 75898
99693 81654 88109 49835 19419 73088 99358 11826 71771 64500
22596 30265 70930 60618 36568 65190 07919 37292 66257 23328
22336 44582 25347 87584 13776 38526 22904 55979 89043 75368
53243 71021 25028 97583 33193 49112 01346 11392 95272 45750
41017 29648 45696 32702 26327 24562 97746 46447 62045 38811
74611 81875 53222 45046 13823 72349 71860 86133 40405 82712
03328 50550 50209 31360 63270 89380 24663 74427 73742 89077
73006 27038 23053 39948 54453 36024 02555 19381 72833 40389
57285 63109 76128 25864 21359 63631 43000 96940 63979 57363
59721 36699 53925 12312 82807 27615 12508 11444

14564/13564/11464 kHz, 28-10/30-10, 1210/1230/1250 UTC
554 554 554 1 554 554 554 1 554 554 554 1
07120 00258 24037 71357 42517 49405 32547 57192 96806 76351
11269 43117 50700 54049 82412 68476 59471 01234 12821 77829
65939 13478 04317 99890 32962 62833 02983 40773 31024 02635
04973 58530 69294 40575 94327 27422 59842 84254 89276 87687
15352 10350 09508 06197 29818 11444 02017 37580 41671 56518
77524 61182 85753 76789 45464 18500 39116 07816 44345 07398
67509 42588 97994 50607 74435 09531 46473 21216 28712 37161
53387 22698 27168 81680 04797 06962 89971 40355 07640 94180
18264 74098 64441 23364 57757 26377 28232 12768 80769 06674
75493 77565 27080 99316 68426 09990 29471 35758 88667 49974
99902 36524 90930 72300 87038 89106 41891 64898 27581 66553
06906 50837 92918 35546 16812 14183 43649 38035 43660 00191
72637 64127 73769 44825 76472 19019 73625 31050 59780 06467
22280 54187 81370 95377 80278 78162 84143 09275 27879 53446
12667 42178 32084 24672 61936 63063 62741 92145 16010 10336
17853 08507 98167 53266 71366 99586 14011 40498 91361 33114
07826 05464 90210 96730 69874 23536 56221 72451 32103 03322
98115 95934 60132 75348 37012 09660 46922 21642 60939 42960
69180 19830 82740 14199 76591 30657 60302 36312 54370 97958
53258 82240 67446 19049 53216 18319 36519 21541 52568 93871
96126 34354 52586 93455 35022 28716 74760 66647 58909 88975
42832 37399 28172 52068 51596 62641 02037 54165 64178 95396
35300 27019 83310 79691 04784 23641 61245 40305 08293 74746
61107 62017 71122 59311 92168 08680 68704 94512 32045 59555
76084 89505 92112 59386 67226 80719 59264 64420 14119 91911
53805 72668 70739 10600 05716 12079 99577 73943 33699 16511
63550

XPA2

19587/18375/17432 kHz, 0900/0920/0940 UTC

19587/18375/17432 kHz, 01-10/03-10, 0900/0920/0940 UTC
00476 00076 23829 05425 27093 75571 89713 29361 14388 17948
41773 52924 95174 08827 03358 69672 45257 86721 20859 20590
82464 75613 35875 61895 80733 51050 40177 24064 48408 88406
14300 55498 37157 48297 44246 92008 21478 44900 83452 30848
70439 12864 52318 32679 42844 09522 22931 59657 18515 55997
40008 02819 05662 41155 60321 27267 59092 82676 70997 60425
39279 90445 61859 17517 84651 29568 41250 79499 25085 12800
07624 10718 96442 19682 27871 26257 68889 20527 20046

19587/18375/17432 kHz, 08-10/10-10, 0900/0920/0940 UTC
00124 00094 94198 06702 31274 59459 71556 22409 05350 01670
96885 28033 92192 59186 13010 65857 55027 77011 27362 97967
14431 83611 51023 14969 02826 81358 25504 11855 83867 57976
92017 30643 29748 05072 68250 61375 06259 59939 97695 63987
59260 86987 38861 17528 89101 10363 42424 33350 97218 66898
18270 12951 38109 94921 27741 73392 88359 98363 24781 35239
81998 30941 55589 89186 84827 32070 42242 05739 37950 26731
11979 81127 41947 40376 74696 06425 82617 50884 36153 06548
36391 13972 82023 43720 90533 40598 43634 94058 68048 09836
38730 46819 30971 84818 12657 99487 60633

19587/18375/17432 kHz, 15-10, 0900/0920/0940 UTC
08474 00001 00000 10140

19587/18375/17432 kHz, 17-10, 0900/0920/0940 UTC
09092 00001 00000 10140

19587/18375/17432 kHz, 22-10, 0900/0920/0940 UTC
02607 00001 00000 10140

19587/18375/17432 kHz, 24-10, 0900/0920/0940 UTC
02140 00001 00000 10140

19587/18375/17432 kHz, 29-10/31-10, 0900/0920/0940 UTC
00617 00111 59746 45327 73105 06773 12316 04050 93248 63719
26885 62824 69245 44614 00326 11358 04749 13704 54436 17555
30263 52037 43859 76477 12025 75444 17561 63767 09099 49266
89075 51350 72468 00790 43916 87865 58409 19400 81980 88430
86333 89803 05280 16093 57184 95269 59193 92152 30488 60600
49586 44668 24039 73597 30125 35157 33700 33812 01675 46262
92774 18950 13939 61480 08610 45588 13137 92674 80313 83080
47860 93473 75029 66253 85433 71268 15757 43784 08260 32201
36697 50045 93766 35402 13286 08094 24305 85636 67853 99835
77837 14089 05140 17890 33844 15712 43464 25841 99938 92622
85313 29775 33846 45180 82147 29675 18979 88000 00385 87323
82686 25003 36637 45722

18053/16162/14876 kHz, 1100/1120/1140 UTC

18053/16162/14876 kHz, 01-10, 1100/1120/1140 UTC
00551 00042 02350 76740 29862 03592 22927 54084 84157 84921
71960 65761 53985 04279 33799 09070 59130 85327 58426 27563
24108 89542 32469 80520 78481 59738 05771 99552 32817 62956
01914 66329 27682 77771 12860 51063 77330 57534 64607 76612
72894 24881 54248 04867 33633

18053/16162/14876 kHz, 07-10/08-10, 1100/1120/1140 UTC
00415 00100 89880 12802 49892 29604 89198 13813 29121 63560
83096 77863 31315 70314 80509 44242 06345 79551 96393 69787
05040 15313 67248 47276 29820 53354 58658 75391 00116 32678
70791 85997 97178 17984 25835 37795 14055 89805 25846 49904
12135 08114 38561 73755 59760 77145 47180 91171 58260 15349
56165 91071 62118 64407 94555 73198 50277 21555 75079 30019
56408 33512 25642 03913 15191 14219 50407 97967 34561 35589
43981 88883 62782 80142 76313 61702 65607 76977 26171 41455
37433 28438 56712 51464 77055 27826 99968 99130 92131 33896
06585 41854 61539 43546 63198 81979 95539 44177 71424 05654
23812 51656 53305

18053/16162/14876 kHz, 14-10, 1100/1120/1140 UTC
02688 00001 00000 10140

18053/16162/14876 kHz, 15-10, 1100/1120/1140 UTC
05042 00001 00000 10140

18053/16162/14876 kHz, 21-10, 1100/1120/1140 UTC
Unreadable

18053/16162/14876 kHz, 22-10, 1100/1120/1140 UTC
02304 00001 00000 10140

18053/16162/14876 kHz, 28-10, 1100/1120/1140 UTC
09408 00001 00000 10140

18053/16162/14876 kHz, 29-10, 1100/1120/1140 UTC
09555 00001 00000 10140

15874/14543/13426 kHz, 1700/1720/1740 UTC

15874/14543/13426 kHz, 01-10, 1700/1720/1740 UTC
08165 00001 00000 10140

15874/14543/13426 kHz, 06-10/08-10, 1700/1720/1740 UTC
05101 00202 38937 31604 79048 19910 22343 89122 79476 70945
16045 23172 34760 93111 77125 67937 61027 97369 38276 34096
04854 64805 19748 66009 57818 88467 37130 67136 35342 28329
66856 35246 85301 12013 96835 53885 38502 84749 54886 12464
96834 89809 93395 50999 13096 77845 60264 27902 30009 95294
23772 62633 72386 89045 88684 84615 90446 43883 78199 41500
06003 40575 35120 13713 73967 91204 24641 47247 35896 41547
08908 06572 42426 80267 03928 84983 60535 08040 31364 78189
33868 95494 76409 54520 14508 60619 52765 13055 19138 69130
25094 45752 05134 48047 83855 91192 78046 44944 80524 74518
25955 28732 25984 38276 02978 71388 94415 95245 77623 86103
72588 94799 68671 61578 42393 33911 34441 45131 52107 54067
84672 61019 89384 19751 20822 41733 63571 61356 84612 96641
81222 44505 92687 06136 25572 74104 76099 36420 60292 13340
30909 38350 07450 47999 99314 92423 04222 30119 24401 70490
56814 32193 44659 47832 61180 69433 28143 17130 13722 63306
12505 23575 22274 13002 92787 65336 31880 00626 61174 25862
27931 85646 32409 45959 85232 83267 63441 79331 71748 34839
37181 23418 47038 14657 94327 59532 53396 51757 31398 60206
18496 37582 15321 08165 59976 31430 13077 81998 52655 90321
97689 07095 88831 27782 50367

15874/14543/13426 kHz, 13-10, 1700/1720/1740 UTC
06459 00001 00000 10140

15874/14543/13426 kHz, 15-10, 1700/1720/1740 UTC
02160 00001 00000 10140

15874/14543/13426 kHz, 20-10, 1700/1720/1740 UTC
03231 00129 42897 48348 92276 14713 44445 05123 93989 70615
65596 58850 72921 73484 21266 75147 63519 85171 49910 30802
80797 37284 11827 23901 41428 54052 21592 57136 56216 92917
52836 00844 97495 04409 06847 97021 70229 05917 57474 12322
74697 65618 55276 62201 69464 24841 59178 50342 71633 97784
09136 31155 34372 01798 67430 54198 33714 51726 19897 01876
16131 54807 82461 98892 15820 32514 86674 07319 25056 87615
14166 48301 54626 91285 49959 94894 39169 31631 20318 59304
74425 78232 62596 14848 23393 01490 15596 90794 91952 12193
80775 70085 14240 38587 70695 75705 97846 79848 74137 61517
97684 92846 32811 90049 46617 98439 75473 73037 86929 42895
14373 87286 62766 04049 00787 62606 75317 15330 86460 38440
87893 22664 56956 19972 88877 67099 61912 97825 38507 77696

69350 37207

15874/14543/13426 kHz, 22-10, 1700/1720/1740 UTC
Unreadable/Not heard/Barely audible

15874/14543/13426 kHz, 27-10, 1700/1720/1740 UTC
02375 00001 00000 10140

15874/14543/13426 kHz, 29-10, 1700/1720/1740 UTC
09555 00001 00000 10140

14537/13437/10737 kHz, 1100/1120/1140 UTC

14537/13437/10737 kHz, 02-10, 1100/1120/1140 UTC
06064 00056 41803 50167 06380 94256 14726 63304 46527 18441
38989 54840 96428 39787 84865 43364 50881 92560 92483 63051
98747 22101 36034 36725 03215 34216 74430 42923 07653 18973
80224 49392 17348 83002 53233 86370 04193 92419 17519 21667
44465 60787 13360 51281 35197 50537 26562 87053 91080 94281
91465 89550 45873 42784 15687 27497 72156 05289 41703

14537/13437/10737 kHz, 06-10, 1100/1120/1140 UTC
08140 00001 00000 10140

14537/13437/10737 kHz, 09-10, 1100/1120/1140 UTC
06313 00001 00000 10140

14537/13437/10737 kHz, 13-10, 1100/1120/1140 UTC
04734 00001 00000 10140

14537/13437/10737 kHz, 16-10, 1100/1120/1140 UTC
03569 00001 00000 10140

14537/13437/10737 kHz, 20-10/22-10, 1100/1120/1140 UTC
07213 00110 98808 18456 24927 92699 78832 09298 75600 88974
18499 31757 76645 66500 91749 64695 85212 39823 08696 32178
08426 76283 63317 57731 66862 78609 40768 03406 20275 00644
11887 39800 78675 19931 78352 54131 21078 33729 69664 10323
05522 88085 90570 04758 64006 68894 30424 18211 27681 52391
18915 31344 12002 45215 88278 24861 14581 69958 62284 49319
14585 28547 91377 71849 71719 10215 23872 31371 29824 85497
02018 59427 99670 24101 50137 51576 35423 91292 66098 30643
41945 00900 42342 77507 76701 63843 84895 25686 14965 56620
92024 75793 82679 17927 38785 80020 58231 44810 10839 24542
57971 25445 46576 76613 74700 74338 48129 68461 93571 15904
57042 18032 37623

14537/13437/10737 kHz, 27-10/30-10, 1100/1120/1140 UTC
07032 00090 88221 85833 74282 10222 87992 91058 39373 85934
19869 82858 98542 10443 40222 78136 04308 06536 04425 99194
89609 71848 42406 17659 71187 73121 27848 51315 65801 71612
26022 08010 33741 84750 74465 61882 42781 59484 11168 47457
98356 66391 77452 15006 51678 51589 26623 45613 55776 99564
57256 06813 93817 68878 07342 24849 39569 72886 83796 91382
81714 89924 79462 36730 32017 56539 45738 59518 80525 75539
97628 49119 39455 35786 61046 82454 35605 53016 56945 06084
19383 10770 31068 02869 44629 70946 97993 57093 32898 86837
10679 49536 04226

14518/13418/12218 kHz, 02-10, 1800/1820/1840 UTC

03927 00127 58302 56704 97064 80522 68030 91429 85727 32517
25918 80323 15646 72880 20965 72570 98759 90739 78194 31025
29736 02474 97155 52340 68442 78263 78386 17509 53987 22157
86387 16346 68427 16875 38765 10167 57002 87578 82184 00346
31694 40254 74075 35648 01790 63171 72693 28839 89656 03586
61146 73396 03124 90607 12719 05098 16241 12234 42232 10891
51164 61509 94742 71321 32629 65479 63132 45050 13784 57522
76077 26349 16491 77026 80543 09993 04831 96623 02082 42182
51141 23730 25087 46414 41958 13263 17385 30466 28746 55405
00821 05708 91170 12882 09455 64182 52451 30250 90898 41045
96678 86550 10035 83295 55117 04435 30115 55454 53451 52247
47607 35847 96048 76147 78321 38655 11851 39914 40193 47498
63914 14889 20349 83925 54976 52734 36106 72469 36616 24464

14518/13418/12218 kHz, 07-10/09-10, 1800/1820/1840 UTC

07074 00119 45645 33397 21277 73352 90971 93608 91598 79203
91391 71445 30791 22543 23937 22540 53687 06786 44591 10369
80825 96311 74191 19641 19609 11124 26256 30003 92417 79110
59894 97799 06974 39342 97919 74397 74107 20718 07968 00050
41023 93881 17085 66736 60115 65859 58720 99611 83740 56129
24279 24374 31625 65010 12056 65600 78293 04098 66014 56803
86767 42415 48948 66742 18364 47690 78699 89281 65467 03890
87239 95395 24636 98368 93276 66212 80343 85893 67506 73231
29964 84777 81560 52092 96038 06526 21788 79564 04274 62073
88181 14544 26050 49614 18694 29099 71652 86277 55996 24841
96326 68269 45740 29105 91895 20535 01399 88883 22299 10070
63092 39639 58150 39515 23624 72898 38325 60868 03664 39760
62496 21073

14518/13418/12218 kHz, 14-10/16-10, 1800/1820/1840 UTC

07867 00072 46943 30272 34071 83135 78659 13732 89320 01534
93527 10772 04021 16945 76824 74565 60833 43823 02320 11436
69112 05837 01794 78348 31534 10081 41058 89512 14298 02939
46889 88064 23818 56940 34589 55038 27727 43368 26318 56230
73888 58850 50606 88260 45805 37947 52671 44464 23329 51040
85376 79397 65238 51878 53792 79808 46965 90468 29608 95864
50711 62481 17860 01430 23372 59644 30447 52976 24610 17646
04645 95173 48340 98082 13763

14518/13418/12218 kHz, 21-10/23-10, 1800/1820/1840 UTC

08842 00527 27751 50017 55795 74468 90502 26972 56329 28547
65768 77647 09005 18903 88766 40483 18475 85615 28405 77984
17442 23585 37146 43896 57271 55175 90164 07599 23264 50012
34111 34860 47430 69531 78270 44814 60656 70295 18977 47744
92439 69089 58756 64924 19108 04754 20777 20414 47306 48433
19356 08715 83870 23542 92167 48019 03388 89425 15288 98043
65333 37526 30741 73774 42582 83479 08196 43773 44573 69069
29229 31137 10289 80929 95828 37669 67196 47436 06274 09911
67387 08920 62914 62405 26817 09721 61712 74473 18406 30472
89872 24138 70780 47864 42595 02172 77365 28368 21485 21577
71948 68916 33798 10581 36469 26117 85585 59500 39279 73477
79128 92731 37718 58836 46831 94452 32371 25091 26097 80112
88960 38038 62704 66622 77992 65670 56880 58679 89982 35698
25883 84787 64385 94274 33269 57729 91642 54075 84382 20223
37797 61881 66101 44982 66149 51868 05522 39276 39381 22289
52733 37326 01026 77177 87036 17060 87436 45353 51705 82098
38001 06932 10912 92560 68998 53320 51470 05328 64423 11667
99175 07222 50947 69231 26770 56143 72876 69340 90681 20255
21501 23047 74377 38805 66391 38731 01364 75356 56799 96625
24821 49752 85777 68126 93972 36503 07866 61824 86813 72604

73398 20063 46993 22644 34265 66918 44841 21728 87739 70716
34341 38979 22515 07609 00657 57815 06987 82720 20762 33195
41884 05812 61923 67274 92703 53159 31005 66161 83304 59885
26499 45607 10166 94421 59036 35336 97224 89542 88092 58222
49237 57384 45585 80674 48199 21007 60387 13584 08452 73361
41162 45531 09041 37323 40889 56919 27497 77562 04577 58806
30296 77598 13750 03832 77528 27671 36956 32387 86545 54721
51092 01512 10103 61285 28782 87896 39328 50714 11492 00741
47684 47805 89353 89094 46223 05224 01605 36743 83447 75027
15275 95019 71325 83605 26524 94527 48349 86052 56158 84257
66624 77322 52768 27388 00168 84791 51296 73689 56229 99766
34193 13904 82955 66982 64940 89206 83151 10193 31600 07397
11198 15185 82328 19147 33591 85027 57358 77260 26373 77741
28994 93437 79540 93444 74984 64811 69056 64591 77951 94261
69688 90314 63884 66239 75303 14649 16998 96886 23982 32900
05541 26308 43362 26503 52704 57289 69792 90520 86799 25423
37003 01560 02867 51170 10618 95095 07490 23153 99879 61050
82484 43378 11898 00458 74091 66636 46832 33198 19413 01641
05044 73067 09656 96304 43799 55489 52031 33180 99236 51233
34003 74432 68035 95807 74928 70119 43363 99508 09542 43582
98916 61333 00751 63928 78216 74136 19632 43722 61433 90971
59798 14608 11012 93987 27284 66403 87137 89451 57538 35876
50123 66220 55204 55888 60069 75621 76116 76546 83408 37819
28464 05767 82835 66740 85414 24324 30036 22385 73613 86012
02629 02741 62347 31528 76015 22516 94472 48673 68681 56244
30800 36374 72012 26734 00911 13095 76035 08808 45120 49620
18306 22442 81227 62731 36526 77017 90670 78800 32875 34952
53740 96040 94247 54504 73151 16710 03695 10491 04785 62107
26760 61324 43836 24789 58268 02705 70503 89810 40361 96105
15295 36836 40104 91779 29214 32462 61373 14328 48249 59817
10525 85390 00644 09741 18787 30297 86349 90051 26530 08321
93370 70996 73278 42052 04794 90655 36934 85079 11176 65988
42432 37092 71612 17516 69147 86394 30227 32964 61433 12217

14518/13418/12218 kHz, 28-10/30-10, 1800/1820/1840 UTC
06047 00064 76458 76568 59735 82858 27837 15160 63934 82740
21826 14556 50033 47035 24128 47443 57564 76172 61569 11415
83292 52445 49186 62210 21425 86520 10811 19316 88990 13433
37887 32742 00151 09017 19734 81708 78892 10825 76337 83707
29301 53811 45846 92481 57398 19922 83801 93973 49759 53997
17014 94102 08211 78875 62587 22299 59351 06076 18393 52881
72201 34989 22914 73432 61708 66771 55774

17463/15829/14931 kHz, 1500/1520/1540 UTC

17463/15829/14931 kHz, 03-10, 1500/1520/1540 UTC
05244 00001 00000 10140

17463/15829/14931 kHz, 05-10/10-10, 1500/1520/1540 UTC
06439 00201 17260 03655 35646 06224 65569 28201 46426 54177
72011 38802 05605 05580 86508 19982 96396 48765 79665 10124
34013 62509 14668 97607 12899 15963 19768 35432 97451 42243
94268 25405 86803 67067 40602 85820 46786 94978 19345 51829
98643 03791 48682 37556 41047 62386 18658 72125 14431 75282
78705 16176 78900 83010 47910 32821 81456 32569 68175 32676
91911 35962 44725 80964 43830 61160 70414 56672 02693 91723
17670 90830 16869 58709 21589 19378 05719 64784 29403 15527
09305 13209 12673 87123 00579 31994 87323 38963 23086 17604
20693 78549 27970 79585 58925 67340 22330 65823 52152 88295
83534 76011 64365 56650 11091 83211 90074 14638 09531 23152
40828 75682 42413 90369 38846 36613 75480 96057 88858 77070
40661 75382 08634 59644 83692 90996 72222 78542 93637 48879
71308 00660 50671 65466 05772 71100 87966 26466 40635 88967

38351 29959 23406 33808 70400 34747 69102 34751 51939 39958
98660 16426 97686 90006 55132 14321 21041 85596 05537 19307
90510 73512 80363 10791 20697 14378 40760 90649 57472 20289
72627 23747 71380 25812 36939 41769 44247 48203 40472 68302
02047 68723 15420 69511 57861 91412 66965 84897 66138 88986
04926 29904 98539 86523 34654 80235 38108 26113 43910 11182
10674 41253 13979 03114

17463/15829/14931 kHz, 17-10, 1500/1520/1540 UTC
06262 00000 00000 10040

17463/15829/14931 kHz, 19-10/24-10, 1500/1520/1540 UTC
04826 00211 13157 65278 66069 63624 37290 28448 85335 90108
32818 59122 57281 66003 28020 00398 88627 37124 89522 52834
26931 55416 84344 84522 47821 60648 50861 77627 55716 43895
36738 76554 56543 64035 36977 90876 33666 32298 47634 65248
83921 26655 88757 47374 41754 39158 73362 61721 25077 32562
08703 25126 25843 94929 53466 66693 73586 42773 91664 39040
67385 76390 40994 00609 43972 16607 13888 54300 52136 42197
20730 24144 77000 25079 92617 03533 01909 90894 48417 68519
79675 98731 27769 53722 72700 96520 51109 82000 39523 06688
57140 53133 65092 35551 92601 12368 30355 88406 73436 06546
12677 58194 60083 20944 36083 64440 40868 85620 92051 55240
99917 72652 07179 12733 89915 99929 67285 25900 33518 89716
35214 91596 91990 26203 88883 51314 94175 37940 16329 49284
38515 00861 02692 51086 69996 56373 13648 29320 07895 80027
31971 41520 03337 49225 40529 66553 01088 06432 66329 26640
16805 40892 30486 94051 14027 53000 08293 80722 28280 91166
15690 30201 77643 01372 33427 94567 12110 35852 39015 57628
17427 16607 63456 57465 03772 84577 98741 47966 58569 02536
45635 70495 97412 30086 51246 70153 63634 95985 11903 07975
64869 02757 90058 67862 73674 68271 90578 67116 58859 13864
70726 63435 22726 03036 21514 64389 21375 99886 95095 06015
91615 19455 69379 45115

17463/15829/14931 kHz, 26-10, 1500/1520/1540 UTC
08448 00001 00000 10140

17463/15829/14931 kHz, 31-10, 1500/1520/1540 UTC
02214 00001 00000 10140

19259/18396/17467 kHz, 0940/0930/0950 UTC

19259/18396/17467 kHz, 05-10, 0910/0930/0950 UTC
05947 00001 00000 10140

19259/18396/17467 kHz, 07-10, 0910/0930/0950 UTC
07126 00001 00000 10140

19259/18396/17467 kHz, 12-10/14-10, 0910/0930/0950 UTC
08184 00111 38355 63744 62153 09506 45442 89874 09786 28567
57173 54232 85919 33655 78408 37017 01370 05358 86178 49542
52407 86289 65359 42354 43231 07608 26894 16075 57161 87388
68410 95726 68701 06469 01818 07158 32862 30999 36445 63685
00940 50588 18687 91161 49056 81238 92609 91774 23009 69365
62470 59596 81138 73296 43841 73320 93611 63401 62277 53810
47182 73972 27636 94148 65309 15486 07475 02154 87370 64727
10702 20507 79115 84588 30838 88446 81843 19982 83754 57143
46064 50364 75097 54328 78063 84336 06150 53595 58238 46340
57196 99137 25289 05710 80547 84592 14027 36516 24507 63795
21812 61542 86664 75906 69675 53360 87622 92079 11280 78457
85399 50362 22752 36470

19259/18396/17467 kHz, 19-10/21-10, 0910/0930/0950 UTC
09848 00164 67617 18430 12430 66968 04322 35652 22419 45906
23700 35071 37049 17939 29742 41740 65909 65451 60861 42823
97994 11759 91477 07640 76254 23196 06098 06833 44116 26297
04826 87888 20998 83539 66778 36099 36668 28378 78902 61090
21572 63434 14513 40677 02987 54782 59610 47513 86721 47794
08257 29784 27074 72551 46489 96246 83256 17465 59919 85091
87781 72742 53244 92665 37858 51961 85239 85600 15286 41582
02602 84602 33044 65257 26575 59434 66966 92354 17081 05481
43348 05095 74521 06125 85432 19011 26487 03195 44810 77566
08946 21081 33461 88484 99656 29005 14228 53931 87185 49266
53685 25906 62442 87236 94452 15135 00002 82680 08192 26129
90663 21759 00438 55702 44227 72222 91915 48385 53769 23600
19368 48181 18949 36668 47728 56969 41834 81971 65519 95019
53495 59347 22954 59859 39141 27181 88693 94606 79140 56691
99194 46696 51367 90760 23085 86053 00304 12829 38188 81690
92705 45522 01533 72567 54015 64845 07887 64567 78715 81131
68172 20250 63044 06673 41112 44030 22541

19259/18396/17467 kHz, 26-10, 0910/0930/0950 UTC
03280 00001 00000 10140

19259/18396/17467 kHz, 28-10, 0910/0930/0950 UTC
05287 00001 00000 10140

16279/17472/18726 kHz, 0700/0720/0740 kHz

16279/17472/18726 kHz, 05-10/07-10/12-10/14-10, 0700/0720/0740 kHz
00625 00312 62233 05121 20303 10862 37826 77542 98995 08960
47194 67974 57396 29625 75996 65618 03581 18633 73830 58380
97010 16193 39787 09318 31688 03995 92555 83007 45043 63756
52672 37795 77412 12031 84823 97079 06361 74431 13591 63958
65754 29816 14406 80335 16918 30357 45369 11915 39416 00220
59879 32498 49183 25113 40852 82648 60491 26125 08873 73445
61589 72807 36817 28639 54239 58926 78594 10598 82651 19724
17511 18926 44106 06617 15830 10653 52614 65286 17847 67098
30877 10242 56935 48956 77645 40283 71368 10336 47365 76467
97173 26890 31995 33676 54023 21290 82965 14678 20197 80046
21166 90617 36887 26339 25306 97280 87550 27090 48890 10426
88320 14224 47385 49425 66693 33926 44956 52070 76510 35699
04447 52698 57897 32880 54196 85874 58817 31634 72478 69900
60736 26992 97999 78428 78245 16807 11843 45890 86880 05585
53527 82006 25049 63690 80927 83623 90785 31750 75436 05455
45101 07386 71607 86400 93584 62616 96967 06809 56537 73294
75785 53851 18262 29438 30873 52170 25363 71808 37699 18444
04425 37160 95995 86941 88486 75326 59906 54897 43759 44656
72839 85903 52289 17299 71903 06712 47719 84968 34450 47422
09995 42939 78453 97610 45024 26236 82174 87368 99272 46069
80366 87999 46509 17448 57501 78661 04108 56904 95220 34825
68233 79827 60610 25429 39498 50789 55328 32212 23915 06633
07205 43393 70306 14745 08100 08345 87275 48880 57783 27368
48031 91503 56710 01796 08241 22173 36968 32981 55149 17596
54043 84737 37357 59904 58416 54465 38832 11596 78304 27372
25708 14560 56576 70230 25231 48738 12519 08728 07975 50994
76804 55624 98668 54934 37985 04062 74017 90648 33235 79305
92957 41997 06073 44149 19637 05781 05256 29039 57165 89237
01701 47495 11717 43090 34048 84505 61198 50762 90810 58156
02726 09625 14466 06147 32838 23175 96501 42595 36496 32818
91759 56834 17289 70793 78151 06371 55809 48635 22324 39590
20979 32141 69812 56902 42273

16279/17472/18726 kHz, 19-10/21-10/26-10/28-10, 0700/0720/0740 kHz
19-10, 0700z: Off after 29 sec
00533 00139 30485 73110 87530 18560 55377 85205 85833 40854
76687 23538 39228 20008 73133 53530 20678 01759 11643 74013
50128 55564 77725 13322 33561 40526 58408 07457 68770 22288
45785 22462 53929 36266 36565 80004 23953 60006 01182 99088
52035 33612 57603 26441 36539 96201 92290 85365 34636 09181
12004 94461 26078 44203 53113 65807 57444 72882 41726 66077
74777 29872 10466 72777 60648 77544 47410 44492 76878 33187
86368 71001 28658 23060 85194 23824 71817 10886 54097 11444
48192 01135 26588 03403 06401 99956 46633 80321 50053 16527
42850 33333 55456 03445 77911 33658 06097 44063 72995 71180
01237 88002 00088 66185 84555 72043 70055 38112 46588 75448
60982 28229 71919 86788 62619 56655 05365 08781 37777 58332
27136 99883 59809 76094 00919 03716 49828 29801 33300 52723
64231 61533 36258 49583 98888 44575 12863 23007 48429 63465
30883 62335

XPA2 tests/exercises

Lots and lots of exercise messages this month and still going on in November.
Note the consecutive message numbers (first group). We have most but not all the messages.

13411/14411/14741/15821/16142/17431 kHz, 21-10, 0800/0810/0820/0830/0840/0850 UTC
01014 00203 50442 43800 32929 88444 74480 82045 65835 79931
79235 22876 73795 16351 85414 32212 45123 37338 04971 87832
13935 41510 52741 47016 05696 24044 91384 08834 74412 66512
45844 74149 22769 66688 92587 84334 92917 63160 47442 47470
30884 84476 46013 04309 36291 72385 64003 05301 93883 60527
07936 05793 76111 57955 96196 12687 83256 03425 38104 08884
97058 65646 07633 99321 34086 05086 00107 07107 23762 01079
39293 81961 89894 57499 56947 29458 95495 48432 10724 33309
60040 86083 14949 13884 58576 40051 98036 64812 70490 79900
01078 89492 25056 38558 50411 65236 76843 46690 70221 31205
72278 56896 81538 92803 21234 25973 15897 18611 01007 66738
17190 34823 92699 04794 48842 10975 50696 93747 40745 94034
07048 35293 36615 43860 00000 49800 56905 51336 07088 91709
52613 48805 78209 79518 61030 03144 04545 22144 92649 32603
24153 79425 63805 03751 62710 66254 96791 20261 89714 39435
14539 83095 05944 76186 24156 36984 20280 37677 92803 71432
69066 64560 11523 09297 14125 68384 56612 13181 43762 45698
06430 28552 01098 08142 69881 27622 71487 32864 81149 33745
53008 36644 61620 67651 77169 69517 42860 02023 55361 24046
82863 66866 29340 21216 63535 59591 67901 54508 89625 94325
09641 83609 76497 44016 33004 04761

17421/16327/15833/14958/14528/13961 kHz, 19-10, 1000/1010/1020/1030/1040/1050 UTC
01002 00202 43911 24743 47236 15040 19733 74789 91741 85100
49654 38941 83460 43067 26517 01697 92520 81395 25374 52363
28015 65121 92372 34292 16254 38092 90196 67045 57217 99187
45972 11339 17887 96901 80850 92524 63871 48069 52112 65676
13772 15798 78106 40626 41765 84555 55147 20403 61361 92082
67572 97169 29496 37646 77756 37572 42937 09619 08489 09143
24842 52687 17571 92552 39127 38315 21053 86558 62216 33991
37824 44450 29282 59696 38591 12217 87013 51745 92526 31697
82944 69793 05683 65134 31614 48802 81841 80240 19144 43277
49586 54252 39580 42968 40834 61083 98225 85552 01499 03450
63502 68587 58185 27369 54257 23121 67886 69798 99053 65539
50557 91190 17092 76790 26198 55047 47003 52436 60938 90323
56472 40811 67413 18938 84403 83571 04870 86313 18862 77506
13990 01460 50246 89076 68194 14356 11607 78312 10876 08492
80915 12043 81185 53604 92719 58395 37160 62788 16770 85785

14080 45789 24614 11174 46977 22690 01174 39246 42964 70685
18250 81572 50935 21547 51548 49096 40944 28014 08596 11842
43440 68690 41559 52445 09408 44428 59624 13809 26218 26008
46410 42081 69543 33076 63426 68199 76845 39071 42099 45504
13182 72359 35347 40190 90240 99341 61107 59638 02055 43622
17450 09145 54191 04928 56724

17434/16076/15981/14874/13993/12212 kHz, 19-10, 1400/1410/1420/1430/1440/1450 UTC
01004 00226 57545 71652 75839 08449 73045 28411 71040 79844
22603 41736 71368 83324 58132 41077 60189 05765 00342 96934
05390 54083 48347 25060 74317 12232 09453 67271 00161 37085
28716 26843 51933 02999 47642 67792 34787 65828 72766 02919
70167 53456 00083 76552 13334 03893 11730 45655 59922 33128
35834 39001 23175 00644 87024 26825 02849 32484 97333 63607
98994 05773 28249 33954 51127 95758 89801 68368 35682 90339
06290 94359 32997 97421 26767 51932 54000 71793 11726 70423
00501 63797 07349 67031 01251 89714 03668 51289 15974 20816
64942 02302 68493 09159 03923 64393 25207 66127 25424 17574
14090 43361 09973 69582 26838 41473 06003 25752 73876 35091
72824 31054 20758 26909 63105 35197 98423 61216 32703 61411
92090 38512 52393 14865 25396 03988 25865 23838 93497 62372
26725 87871 46368 94150 56332 57139 53824 37766 40193 59777
83711 77915 77411 80882 47990 33888 81542 41584 46052 68725
65969 63989 33424 64012 25483 75577 90966 95106 44185 22849
15607 82163 32253 11504 08365 84952 84684 26607 70575 05966
81372 60657 21023 72925 77699 14174 61099 71510 66873 91506
22444 84280 77785 24772 96401 62735 54446 82355 68666 80754
66172 58716 93579 17343 44169 01547 45662 65907 72516 63037
49203 54935 71007 40086 87352 05312 42966 60498 86311 11308
14477 19455 28232 52678 00405 31325 04378 07480 15101 45629
30505 02328 57939 89820 39793 22655 67077 03679 55164

17413/16111/15902/14666/13423/12212 kHz, 19-10, 1600/1610/1620/1630/1640/1650 UTC
01005 00153 74360 38111 92666 04322 49029 77334 33692 67066
87477 56316 53967 09484 34305 94379 16268 64593 44334 44228
30453 37707 30919 18125 96103 27115 08877 89190 02953 98025
39504 28468 30674 54147 16033 84805 15253 06368 22916 43141
62032 82530 91481 07393 46044 10887 24943 84305 74774 71824
95542 43514 44200 44277 72010 66816 71163 56235 42007 65551
95443 59838 74380 34666 27561 59009 25641 99819 93450 49499
79126 09899 41677 01192 82194 47921 46224 23526 72080 85215
02171 24570 14416 31127 02482 95989 84267 86395 82135 49216
13641 59017 64360 57364 47697 02193 08150 55815 79830 87034
85244 25122 90854 25274 92697 85643 01837 43007 62081 24088
20591 47637 84153 56790 63379 70872 45422 43252 33183 31571
74741 39244 17684 44234 35857 20108 45538 84311 53494 80001
39771 90407 43694 85045 99969 77048 33715 89140 38429 16838
94152 41259 24314 58046 28624 66003 74863 07569 93984 76823
56770 64896 22631 48259 12293 26204

17418/16304/15945/14689/14357/13471 kHz, 20-10, 1100/1110/1120/1130/1140/1150 UTC
01009 00182 59273 86360 87569 24894 13561 20815 68889 20022
53911 57189 02544 60270 45572 18434 02816 87214 10783 32205
86746 54103 53888 12951 00336 05245 12369 91511 72215 94515
46948 34684 80840 91737 39718 80085 30701 15425 70695 96155
02814 43501 02559 88913 69682 43553 33256 96167 21746 48810
66278 26040 25169 69435 73718 55859 67728 46322 86023 82324
12525 22048 48599 74373 73072 19226 76347 10805 20552 65485
87732 87390 16518 14626 29391 43244 51543 64973 43267 56781
71987 16201 69765 23404 28237 20907 09514 11404 18018 83858
12357 84378 29400 88369 83630 80764 94901 28185 15841 50456
67205 22450 75615 56259 61077 78887 09522 10542 40044 30474
04315 02755 03054 29241 10336 96322 52282 25194 46135 52165

09712 64942 92786 36693 53128 03354 57989 28147 30995 48625
48342 23357 49132 92810 89575 49537 40585 13506 62326 49348
11385 98971 71359 87543 79542 09601 81323 00158 78032 87306
28481 69707 82049 63674 40743 02262 29662 38922 03130 57722
20897 81373 79545 91417 82130 80957 53622 10243 39664 60797
55737 38776 62866 96785 40780 10739 93581 05242 57149 43527
22029 57830 50113 43688 67167

17423/16129/15826/14793/14384/13468 kHz, 20-10, 1300/1310/1320/1330/1340/1350 UTC
01010 00116 98167 ...Poor signal

17436/16128/15821/14788/13496/12184 kHz, 20-10, 1500/1510/1520/1530/1540/1550 UTC
01011 00195 03648 85469 95697 20810 28592 02355 54316 82494
21218 39575 70406 87400 99116 61638 21012 64144 93881 90109
09427 47877 67860 76081 22328 08147 07198 06640 21136 24811
51433 68839 57602 56107 52026 69558 10877 01548 04503 32064
34303 66855 25735 04017 01569 96591 55754 64873 04028 16112
73567 07182 72057 28208 10807 95449 62483 27565 63141 87549
13612 21952 81218 29505 31060 52377 81972 14299 35374 29557
50760 19463 59641 61817 55805 42570 22141 63842 74512 25735
52391 42323 02611 05023 51242 44251 96781 29393 45300 56575
07075 83311 38406 16953 18452 12351 85636 96229 72956 49191
14618 41455 29498 74470 65350 54103 47540 10239 72401 68236
73307 98639 53052 37405 35157 71287 19340 76194 78261 86808
55594 52578 68997 78798 22481 67448 81056 42687 43364 43454
56932 25911 90884 25320 11117 10935 12825 28140 39671 97138
96709 86541 56991 77063 83267 08434 30258 01000 81794 47164
93010 09442 17967 86147 93595 62039 72457 50699 51988 97901
73046 04852 66874 28947 11303 47396 07754 27731 26288 24222
58462 91198 36522 81122 90097 69051 95586 91933 95530 14046
37189 80056 60892 96199 50442 47490 07943 04737 31724 49076
38477 62124 76151 41769 24091 91857 19667 52760

17429/16107/15928/14737/13911/12138 kHz, 20-10, 1700/1710/1720/1730/1740/1750 UTC
01012 00179 86740 19688 48610 23265 22805 31238 37951 59072
65188 08890 05037 19776 66272 32107 11618 57518 24046 42576
13407 89374 63175 23571 65718 60974 87909 46422 09781 34301
37134 40894 46624 86281 34929 50777 53151 61518 76904 54426
06724 63773 55403 09093 11408 16582 69975 49150 28776 72220
69737 20811 99676 66699 06549 36945 56327 63169 53968 87634
35355 76382 21457 03649 21938 24294 62264 18755 84846 15495
78955 50098 80613 69619 35851 49633 33970 54082 12162 49135
90998 38758 17645 37559 64562 16323 41216 79924 79731 97982
94448 89980 07550 89268 19070 30341 42316 51753 87154 87113
54317 51220 64303 13281 93264 19639 40196 30056 30847 56915
02974 02245 51007 04833 96635 96596 58736 83896 39086 05615
83076 82338 39022 86862 21046 88974 42548 91344 50549 0550_
07317 82216 66926 25047 94817 39777 74454 04364 44294 44922
76125 11159 49077 22816 95008 92202 38972 02716 92632 22473
71604 58418 12666 81538 04037 71978 12197 77439 92234 04290
77090 48850 79506 25337 49598 20757 35317 25959 10014 56857
22142 54371 39602 94162 29488 71916 33261 16206 91853 28842
50001 71350

15804/14918/13494/12182/11163/10563 kHz, 20-10, 1900/1910/1920/1930/1940/1950 UTC
01013 00295 48622 58423 12527 13348 50897 53152 13661 88126
50599 27277 15552 56165 45692 77697 94146 41155 62093 89046
58713 70623 99874 76528 85684 07993 96554 69449 38446 39124
72186 28368 10391 44750 65078 79568 10237 57259 21200 71868
36198 79167 59724 24406 43885 59291 87161 27807 69991 68418
84077 79941 78755 24945 28537 98263 97337 72093 72738 04533
16792 81447 14706 74535 15939 22230 16886 70800 91085 66123
67459 36886 19955 90224 52847 79545 10898 75467 32642 26392

20831 68747 99457 70026 55046 92244 49612 85444 16213 66813
82229 38142 84520 16667 55075 54750 64460 85188 08467 21654
42404 16360 36720 03867 00958 47190 59985 88530 72097 48991
87365 21870 39451 46345 83700 48044 81988 44679 19488 23693
72616 31441 54587 24272 83893 29317 52365 03287 35148 98096
15084 25709 66999 10987 83987 04470 32026 95589 69067 07856
32258 61081 13346 67221 79446 60359 98690 38175 32965 07031
72760 19781 65699 84773 49037 10962 61772 12447 19973 71640
94824 56697 53381 74000 33906 61656 54869 28463 62356 79230
16017 86398 75610 11632 91433 11535 18094 87365 44824 23534
30625 14189 70321 28117 25335 95302 60008 82225 61949 73024
42696 19579 75616 97426 13031 75559 07699 39345 33314 17790
05489 70226 75817 53734 91012 86361 44169 54067 93338 37501
92866 74406 67621 96438 41014 80634 86375 25264 48664 38603
01647 72643 66512 89330 36533 96437 10781 78183 98599 15874
03835 78748 54050 27034 18045 60397 38371 16587 37103 38973
51132 05941 88886 24447 80157 68289 51956 79177 56411 32395
89183 82434 90680 94710 16143 32844 03713 86485 17200 94573
75579 65985 55466 77464 33666 14118 20356 40587 78393 80615
42263 69788 88159 09690 87470 95704 83756 42065 09173 68243
44481 31603 21771 66203 26689 21399 88067 59339 10890 85199
56683 51884 99385 42528 63392 85145 50474 13025

17421/16327/15833/14958/14528/13961 kHz, 21-10, 1000/1010/1020/1030/1040/1050 UTC
01015 00199 17556 48842 82491 50654 70191 41926 82003 75740
01356 67466 26888 59456 01575 46822 14357 16956 22063 00019
09922 29839 00624 19754 20361 78922 42919 78753 32236 56414
12240 59511 89486 17941 98750 47296 07296 90783 77466 48983
32688 07459 20538 78163 70673 78554 09623 83406 80154 40313
05911 49880 88457 16729 32632 79245 32393 97801 28481 03569
07735 91437 09690 25589 63499 41843 77978 08947 60704 54278
39526 23573 39489 73079 67330 02462 09300 22460 49079 41805
69298 59511 98597 91922 50503 62359 74935 72757 85307 19505
14902 09494 62302 73896 41247 41250 97768 94947 14663 28829
00575 00675 22702 25875 00786 82336 10390 11495 49397 30169
69944 09933 48721 86674 34269 48222 92838 17767 75085 01139
66907 05221 23638 41199 39375 30032 61270 65591 31831 26080
04693 14351 07796 20250 41230 68623 36808 72721 91135 68165
51969 63439 23359 55138 49559 04968 60772 75626 39627 93024
48411 80000 19862 13523 61921 95353 77036 81502 86498 70753
21066 44797 79663 23317 25475 55592 02136 28470 45444 65645
11413 20116 26631 06920 49169 03468 81860 68499 91638 34407
69258 85642 25964 38806 77667 24692 94488 94272 58328 45875
91585 55305 86221 20381 47098 07171 83774 00042 29662 93966
02831 01563

17420/16266/15965/14963/14376/13472 kHz, 21-10, 1200/1210/1220/1230/1240/1250 UTC
01016 00257 08109 99306 74194 39812 17656 95376 90334 95557
80821 49867 84299 31471 71832 74871 92980 83775 15671 77422
74887 68265 42859 68812 69998 53733 51940 93766 50133 51358
63675 15896 54385 27137 82873 87710 84019 50382 37779 97527
89225 35103 05401 31379 85593 33999 39335 83287 81912 42238
70821 76993 51151 40895 61009 42974 28709 39295 29307 20461
87870 23888 45243 38976 31882 64925 95481 57161 48596 84121
90851 42598 45996 18142 88196 39784 62863 11479 83218 35999
14397 68652 11854 07895 80535 86680 64743 13489 66126 39899
59000 44723 21075 17318 09657 65336 89859 66423 99496 20668
38516 82172 34690 97790 51385 28223 30997 33008 52697 21225
80109 17229 56076 93306 06063 19218 12034 37347 58439 45200
00182 81991 91034 08697 25120 46128 21523 28678 08485 22859
49924 96439 11981 62549 97482 32224 33961 14062 56509 52312
55683 31734 60790 44901 59788 41770 88645 27767 11254 90437
53301 52512 07984 54296 20486 56524 91137 25993 72669 05256

06700 02319 24523 29838 71300 83669 05248 93525 95823 73838
85256 97970 80836 06127 89515 68446 21200 46132 48907 83349
57482 93754 17423 18047 69556 97410 88455 57684 42063 40957
41085 07968 41392 51252 45612 53364 07211 30952 73599 76118
36522 95118 31943 37415 05181 55330 71674 01856 64779 52038
35323 45004 77084 89319 47772 12944 84894 06476 60280 73888
95213 47562 51461 54865 32752 77288 56578 29584 60513 36151
61235 90247 72531 72788 46826 62363 61810 80006 12866 14226
25736 86598 92903 90024 05634 96079 30883 52072 03480 32667
68468 00735 70671 99710 80904 88959 43656 77076 04663 25213

17434/16076/15981/14874/13993/12212 kHz, 21-10, 1400/1410/1420/1430/1440/1450 UTC
01017 00259 34752 26423 38957 95885 06755 67507 62570 44268
68055 23962 88150 60890 64222 79966 43372 12577 34816 16198
77400 33139 70205 74807 15948 70651 24871 32689 61399 20140
37996 41307 30208 68776 10436 12380 51880 71431 74866 25309
64348 69290 58815 98224 12859 56779 82830 89119 11447 44523
96328 50882 10969 61561 07648 27131 03108 59944 10375 68304
71014 74064 06107 42430 96270 26647 93753 19375 51454 51842
28086 71939 37710 09507 51848 08110 74323 71980 61947 59167
87820 35750 21242 16876 23810 97113 30337 68645 61126 83303
09271 91935 60956 06561 54293 90283 63182 16385 01953 86111
63025 63455 37665 59604 16436 24388 13171 01462 09712 99538
52807 31127 97995 51306 80483 35264 52822 89230 18619 99155
96408 15007 58247 68149 42571 36149 10983 31148 55212 61564
33826 57938 70026 75835 96030 24365 88084 60637 00439 99421
83941 28875 58832 60486 30496 78142 93938 09650 26077 08029
37461 73850 97763 02796 78701 37917 05207 69514 17032 80286
13405 82021 46248 48147 54602 84867 60088 11060 55063 56008
36068 81183 88680 08097 15203 67533 66063 86659 36653 64428
32200 00332 05060 36083 13002 60863 55061 66130 86132 58223
08056 28568 33603 20052 86005 00820 82625 10784 06863 35627
17042 70777 54486 68858 80849 36276 85160 78567 87581 22068
71742 08546 31860 42603 38076 02062 66838 00065 24033 82638
34695 93868 36027 95938 36960 08608 36579 68638 33180 13283
84907 55389 89685 02025 36385 70431 46845 35112 54333 77826
85812 81603 79647 63963 86480 10610 96708 92000 82074 73943
24969 72559 86739 23334 00932 23172 35750 57547 32997 73240
99695 51442

17434/16076/15981/14874/13993/12212 kHz, 21-10, 1400/1410/1420/1430/1440/1450 UTC
01018 00214 04432 41203 87786 03168 17688 53221 87476 92757
69001 11947 76875 97332 61411 99984 74512 11804 11600 61993
83009 03335 73487 50586 76353 08833 79576 19656 20571 11466
24522 09071 65746 08650 73344 61873 44585 04875 27170 26987
25142 11735 98023 78485 84712 25320 61267 19565 36334 00867
51402 85292 01161 51587 31541 14365 69297 53845 64849 78953
23591 98030 32650 76010 68235 59929 46199 68225 23987 99537
55399 69637 84632 84612 36851 71273 05310 95001 65873 51032
47564 60010 83320 19704 60063 39229 07910 14158 77107 58979
92574 90739 40024 48215 03396 27110 79084 22013 10249 24782
79120 93041 95576 36796 45466 81764 00659 16548 14736 60266
09054 74294 87970 13816 31388 63579 14710 12945 15946 29005
52019 32040 91116 65007 06962 64658 29612 36417 81216 09740
92188 83296 84751 41091 71911 54521 64432 46524 74236 78298
38569 91361 99420 16841 49924 18280 02768 26207 16827 39815
12400 66138 06066 81243 72762 47079 01925 30569 29834 80807
52151 64241 35330 04995 68076 25757 89541 46879 41904 76866
99146 68184 38708 37647 90435 60656 32618 74275 15082 88680
61889 03404 19589 41400 97339 26050 77229 03508 68328 24832
52596 33863 16690 93428 26146 74327 56030 94424 48763 24167
28737 55888 84302 39959 40667 44214 27429 68418 90807 12105
14460 27648 15487 41152 18917 48747 74415

17434/16216/15867/14541/13508/12166 kHz, 21-10, 1800/1810/1820/1830/1840/1850 UTC

01019 00291 94778 25982 21512 14881 48036 20446 89323 27424
96152 86811 84546 26681 50962 51049 98643 64688 92495 75413
01680 48122 65144 05127 06100 80446 98763 65040 85559 39323
81667 00331 99850 29009 91944 11338 56766 34975 69606 12898
11714 39311 94268 74026 28701 76184 79557 13141 24422 15066
13381 53860 92036 41266 74265 06102 29271 89651 19881 41064
16117 82994 34886 49999 45756 95821 86960 55536 34736 39623
94282 63667 95081 79597 63698 62368 53852 91117 76425 29914
00888 85622 40617 70492 25941 27807 08294 58583 54742 85842
82066 67113 15094 28541 96780 28718 04425 44268 28269 32878
89223 24021 78404 84797 20783 49713 58777 12438 77566 11897
52248 38152 13226 89965 40175 30493 42377 64392 24058 17949
87526 28377 00793 48893 57556 27169 48573 66540 82816 34979
55942 09584 62847 43546 40690 76865 07217 55818 49709 76226
69018 99855 81015 42844 33593 43913 53887 25127 88364 66286
86330 40032 20209 10320 45351 60846 23228 29511 27241 93612
01139 92236 29621 42586 53954 42664 75304 69679 49275 63308
23276 86557 14682 47830 48919 91670 47360 57947 15299 13643
73281 23446 78174 16530 48638 17810 89373 52527 98193 79843
53637 77705 28577 56095 75087 76791 66233 38428 88889 90928
68608 84206 75851 25055 43009 99772 25344 72338 61299 53680
13485 65280 11211 13598 20331 77692 14062 13091 93947 36044
53289 22776 71484 69431 09671 45569 57979 58586 72742 72127
25436 08932 69056 24370 45022 88077 47594 53118 73519 48854
92560 16995 91126 44513 66357 88356 63494 14979 35763 97394
62729 53142 44479 52845 37638 45831 12721 06419 15384 97439
41803 66761 99634 89271 28243 04553 96222 89840 68563 31257
30097 60942 39570 45093 43483 36294 31648 26971 03073 21314
82074 42999 22822 75347 09397 72292 64451 16211 86730 99201
76351 41174 37734 44026

13479/14458/14968/15963/16240/17412 kHz, 22-10, 0700/0710/0720/0730/0740/0750 UTC

01020 00284 15085 08072 32000 05666 50947 14721 93886 44587
15404 49067 96768 30679 05938 60355 27236 23279 80871 25071
84606 54983 00203 68141 19950 49680 55692 52647 55344 90310
03920 13656 52790 52045 00165 15550 86568 10429 83228 45034
37187 02933 59469 67824 93727 91354 84774 33897 28513 85580
95152 75549 54643 05218 79384 55460 89580 46942 88121 82319
49973 98299 59375 03575 40666 01747 96275 44723 30503 90386
73785 16806 40050 35836 87882 81673 95513 32378 74413 28594
64904 21794 24134 69762 95157 28370 59012 47572 72659 44704
25969 39625 22307 00909 95060 38887 43556 55893 27157 91979
95077 40051 03383 38125 11794 78345 35499 18807 17334 97710
59946 57201 72528 59526 17414 28178 74164 89611 08417 12296
42733 48703 72062 85808 64417 34159 94497 39140 40774 48994
38117 39619 05221 82432 33516 24852 18411 86007 57967 16811
92870 40205 30237 74948 84757 68766 67096 62780 83493 66882
64722 53943 47476 14861 49245 46373 67987 17574 73706 77634
83846 96357 78031 68339 59592 20326 51980 90094 26010 92560
09767 88156 31643 91604 19425 02528 18466 97113 01051 95650
67061 31717 55646 73891 84271 84172 92142 90358 33186 87141
56864 00836 12300 80332 32964 96511 62172 61896 15355 64431
16786 77001 36769 90931 57115 76565 22299 55871 95435 46717
27907 70873 16523 78055 10572 52129 40711 04140 84066 75418
28182 61620 56907 38868 35696 08930 75855 51310 58639 22912
40354 56568 81757 36619 78863 90059 94946 64713 16776 07706
61873 36271 94922 86468 59233 85989 84312 34244 69760 80833
55799 58032 77828 39935 36248 55164 20093 97900 55235 48184
00709 70988 97230 72522 06362 71337 89115 79903 99190 20511
57181 75997 87363 76360 13545 91910 66697 70438 79633 49706
24616 41610 81548 77805 67112 82321 10703

17416/16341/15824/14812/14402/13491 kHz, 22-10, 0900/0910/0920/0930/0940/0950 UTC

01021 00200 79478 47117 59751 43089 04291 12505 86582 64443
93011 76788 03703 49093 13375 51963 75871 47939 02085 22408
32106 42952 17205 83728 27319 99029 40865 14306 72133 04130
07500 17513 52635 62487 35560 15952 90028 57362 11451 73194
17844 72086 04583 83570 41690 63504 60466 59125 85420 79709
99843 97884 10565 46484 65769 33404 16484 95748 19797 60720
02224 89983 40371 82452 56943 75498 24153 41214 13532 97422
61933 18508 36488 28890 04564 60018 38369 33633 42038 63814
38563 81738 28885 92423 04286 09614 06948 06151 96716 02156
99467 94279 37564 50729 70970 27860 31715 22130 26627 66191
39351 19252 45593 87997 17776 81334 61396 81674 41920 05751
95033 82849 53710 55981 22157 20485 61098 47946 78166 47328
68550 18001 44496 11376 97953 67652 80943 85758 57918 76702
28302 16239 07006 75845 24463 19310 36145 40887 74647 22950
48217 25273 64230 90965 07121 16617 40569 81582 28571 50484
66761 83768 43962 79297 97640 21349 74754 34216 90042 50122
00391 75637 23755 65216 77448 78794 75843 77863 31518 02846
84339 20210 73298 55215 99110 43276 53770 53530 04255 81336
27083 99360 57186 07433 09941 44533 72275 27707 78204 03114
44554 01928 50843 24525 22559 72578 01517 99012 13517 28325
40772 62705 66443

17418/16304/15945/14689/14357/13471 kHz, 22-10, 1100/1110/1120/1130/1140/1150 UTC

01022 00207 76165 07636 97094 27552 16405 40182 71827 96050
46776 65173 92842 97717 24413 21895 99215 83753 85824 63446
10148 09716 61314 92099 70726 96504 11833 52718 93492 32079
20374 32814 92915 09090 30775 85732 99089 11644 21381 19790
36409 84293 95113 59310 67775 42363 75026 17564 85102 37988
46230 08629 92021 85604 62291 54814 77052 84064 36909 00589
15718 63686 46689 39748 75675 13961 72256 83752 66941 38680
22805 87570 62371 66033 27036 25854 14601 02003 24324 28362
21478 94268 67615 55504 85847 11745 40792 07311 46797 75960
08680 15024 74734 20791 04071 72722 37603 55364 83633 53814
70105 91272 50621 46421 15182 58659 46256 25987 58567 36437
40212 75048 59740 08547 79110 21449 96070 91184 53899 63929
73168 64945 36954 90980 30000 07780 12835 41579 61961 54312
88249 59236 18369 70509 58255 30204 43646 21193 40321 27188
65488 14804 48742 10360 35747 33630 55283 66187 41680 82621
76651 46418 01464 19703 80645 05160 54318 59640 16421 07402
45823 04676 64025 04254 48186 80975 56678 89230 50290 48905
77801 74876 50862 26711 98440 58363 16203 26594 55232 96368
52496 46647 99898 79338 77660 41830 57771 98664 89862 53095
75885 84005 04771 32919 81364 60811 50778 44487 62173 54771
76951 66051 15896 92773 04820 01774 95555 74752 21262 25506

17423/16129/15826/14793/14384/13468 kHz, 22-10, 1300/1310/1320/1330/1340/1350 UTC

01023 00213 23209 46879 51949 83541 33799 11377 18066 63516
03045 19310 81527 66454 12524 35602 08930 31659 91261 90619
06330 20293 05997 31408 46909 93120 97333 59260 97995 63716
24121 09828 37209 00082 72537 16241 32834 86223 93568 82164
55064 70173 98732 91187 37376 73713 54295 01010 65278 28290
38300 76041 59171 80823 45597 01719 36107 91800 99969 58828
86207 74537 13381 54349 39395 93215 82099 81445 93915 96281
02767 22705 38089 09097 35555 36156 21559 14808 94030 73194
38824 96323 93980 69704 25416 48078 50655 56384 54483 70818
80132 41033 86253 34740 95956 80525 56791 44383 51792 44160
91612 72849 07093 68995 25523 15594 37951 50074 45268 09441
80158 21299 97768 26774 20003 89882 80556 43676 28933 91315
42559 25715 26962 23097 16148 61733 36451 03349 13139 55028
79363 77175 63014 49870 81580 65974 89229 24984 44181 09822
10127 00581 11115 45041 90658 58833 43263 59478 14737 06073
99968 13115 15450 60476 01600 65897 45886 83995 52847 63788

79141 34602 36934 90239 30077 02983 58283 47898 45192 54027
00653 55571 99494 19111 81188 41978 14599 81920 32437 57313
18469 76972 88610 07066 55059 66248 61724 02538 48270 15683
20088 05233 72136 80391 30679 75523 63645 20875 14963 87675
00550 95364 14286 60708 05420 44396 13620 96338 79286 59620
51297 63964 51558 95532 45319 15231

17436/16128/15821/14788/13496/12184 kHz, 22-10, 1500/1510/1520/1530/1540/1550 UTC
01024 00164 10351 48080 82878 49620 01819 11281 75294 28020
84769 63419 31728 30680 24355 91565 58699 95643 78035 11902
25245 54508 77196 26555 13064 33171 15602 80032 97906 68989
92959 33012 26969 25516 36442 71790 02197 96052 91740 16046
84334 81024 64439 16926 97997 12461 32606 76713 93592 54359
62586 07928 62039 31642 24012 95093 32247 83793 45115 49706
24018 20786 03373 06305 35060 51657 36449 07211 94237 52563
89367 62645 03902 61988 27566 44220 90068 60270 28557 00602
00564 48887 86438 43547 06403 85031 70971 95325 01504 41347
39542 18443 50937 42034 92027 62548 67650 58134 81864 46240
76011 25395 82475 41028 64991 99939 04026 00041 04076 79791
05024 71976 55236 44513 49142 75129 35347 69825 99901 50028
80784 31122 05706 52889 13021 70963 11708 61867 69959 65016
76568 31934 78404 82316 24590 75168 66411 45409 78554 06462
81004 70910 91249 21712 36323 67565 63165 06423 92890 06898
27200 97824 58232 31836 65455 34888 19688 29585 28007 94025
77231 42157 30090 39058 03222 73089 11073

17429/16107/15928/14737/13911/12138 kHz, 22-10, 1700/1710/1720/1730/1740/1750 UTC
01025 00253 39827 78724 17979 05302 50002 15704 72592 81700
34585 38604 15808 57751 04858 00787 86811 80123 59345 08349
78019 70334 91187 43641 22431 82928 74561 47617 93549 27918
26238 80463 51629 81715 99407 95040 46740 80411 64494 48637
69424 68235 38340 10638 41946 19053 07472 18685 65337 20509
78638 36098 91676 77288 84420 37843 77489 96185 56293 45070
_0739 02385 22154 44674 55461 54120 86973 35092 58342 09817
54045 06399 15629 10708 39923 09784 31994 80549 01694 03377
75455 55876 82279 73040 49278 90139 88785 74339 97293 61563
17551 50553 24118 19423 07897 67039 46080 93665 55175 87824
32078 72379 60341 55520 66462 72239 20469 80968 37365 74635
05849 96939 94491 52915 69613 84862 20105 49112 95395 65321
65334 12633 37797 96777 92265 03392 82279 96204 02810 72883
63702 38327 25373 13868 71298 03075 95533 26758 06578 77037
69670 07817 36974 22658 55714 20611 56060 71202 49808 23034
46934 96967 98268 89853 22490 19445 34582 63562 63254 62969
89958 24263 78157 64481 10932 67520 71565 80622 81616 66538
89327 93345 42534 18357 95650 57516 75657 15138 41063 71653
47430 11077 46396 79775 25948 66734 40057 35519 91376 51852
68491 31970 63503 43607 87077 45407 29659 72492 11726 88192
49044 75436 89584 83269 33705 53588 54432 79910 94202 64973
43787 19444 22499 91599 15538 78881 77866 98380 38532 44196
27463 36046 89245 29763 98045 57356 29841 98926 31279 50243
27857 03164 03411 52869 22609 71992 21491 63125 46070 72359
12302 60145 41316 26403 08065 49046 09471 71903 28068 08196
67539 31277 33960 67529 67729 52724

15804/14918/13494/12182/11163/10563 kHz, 22-10, 1900/1910/1920/1930/1940/1950 UTC
01026 00250 47619 93341 14225 17581 41683 14309 90336 70350
32861 04840 15337 71096 54479 29058 80594 70278 53935 31674
58750 31355 37441 44759 99748 17741 49064 28130 94277 49823
80389 36842 56815 47842 17620 16026 53716 60942 84442 02791
36057 67158 61083 61283 41606 04117 52741 10902 76707 56038
38031 14723 16049 23616 61772 74008 29657 02860 93592 96483
58515 13552 20031 40512 89960 96017 48024 67493 53475 38453
64341 19651 85834 51143 95615 91591 70270 76157 03152 95631

64998 38162 51422 38239 11792 48965 20793 33199 86069 43611
86367 61856 67348 87958 34274 22504 47126 20571 71321 45588
56092 85247 57425 38253 91696 18379 45588 64904 27999 70179
03737 53499 99706 97966 31484 30353 62128 81791 28720 40995
75223 14824 81422 09863 52084 02484 52302 97874 16869 73111
44464 49699 04835 57563 39539 79750 80735 13168 46541 93411
03376 55888 05199 15890 39874 32868 62148 69387 56473 03920
60374 65334 91850 30326 7036_ 41267 03825 47562 86168 89211
66076 47712 48034 54887 25714 54036 48663 42142 58420 51733
49617 48960 35249 35308 37618 _9335 09625 65532 69987 19216
40335 82913 41401 12949 12736 79129 57848 74508 87199 98271
75924 33173 26999 57329 27334 55663 07853 50311 90174 85837
84204 20005 10966 04739 54302 11314 30085 56542 92707 51027
31642 38291 77573 66952 48875 83162 06311 35085 42151 46584
96187 74154 54942 60_48 75808 16443 21961 77918 07973 81954
11482 59312 75356 84149 35010 20330 71946 36662 58645 01321
49043 01306 81799 36172 66629 37633 55599 60046 08453 44170
49351 72766 34552

13479/14458/14968/15963/16240/17412 kHz, 23-10, 0700/0710/0720/0730/0740/0750 UTC
01027 00231 79834 38347 90930 92787 52971 52397 92075 07474
52382 56118 74131 31259 37704 23465 11643 84505 78910 29132
77480 91122 83098 21504 27205 46276 58110 33437 49840 63576
60815 69786 98188 95875 57830 83069 28341 83144 64819 43974
67623 92456 51856 85796 41711 19347 51007 86182 03687 64225
98289 97881 63710 74500 01740 78461 71503 58330 11141 44653
34677 19534 02557 28498 46657 82594 57929 78255 73428 54633
95123 28497 19685 34936 61508 85023 39265 97300 79791 07857
95267 71926 29749 85614 65286 62932 06076 23688 94134 79368
11566 70010 72003 20166 09296 48089 89898 23357 39138 59116
61417 72751 12754 49053 69100 69791 78196 28774 12991 16715
39195 74201 78537 03284 49384 62749 89783 16941 63211 83724
76518 34240 84119 94058 43066 25113 56493 99518 25639 13418
95124 15908 58162 20675 46439 22516 59171 80695 16513 95493
84735 77300 10696 77419 40173 37364 91471 68718 70780 46546
58304 72956 60145 55413 82596 27176 88630 18694 05986 43987
13298 78676 03135 99572 21590 23287 16038 57862 56843 26868
03578 09087 00428 67716 98987 99216 23544 06700 53885 05702
33640 87773 28738 79092 55113 22167 55761 02748 38077 19262
33884 40477 74709 72525 82195 06058 74164 11123 55828 16886
21325 33609 11874 43912 42967 49216 72528 92427 56425 83378
03631 81930 64808 00283 10346 25524 49938 24042 44459 99422
67524 13290 19784 37581 92982 63099 34377 27901 85520 92928
25052 12421 50870 44773

17423/16129/15826/14793/14384/13468 kHz, 23-10, 1300/1310/1320/1330/1340/1350 UTC
01030 00238 44809 53841 48441 51144 22254 54033 26539 43066
23779 22721 96888 53665 99527 06111 88825 69039 16867 62419
60554 96313 44655 90763 36201 75723 83785 02388 15129 59218
91694 96758 07628 83158 35313 69614 21302 95123 63545 47028
47924 39444 01713 09305 47148 44766 04721 79235 77979 82653
93730 51140 06891 56860 36595 63040 14244 54045 17640 72716
67357 19866 38904 67319 51370 27020 15093 13730 18351 29913
84808 93700 05494 69837 14495 21110 94600 35349 43614 91433
71001 04550 24408 32474 65487 40553 89866 50766 46562 72272
55369 67255 77482 90827 79670 28057 00539 34392 57933 20128
29672 90990 60884 48065 97844 00029 45646 37052 42365 15485
68438 78894 10430 26205 01715 62806 95457 06429 01832 10817
37152 64326 67167 46078 74543 17552 16218 14665 90166 86436
20570 60208 77414 23486 61761 80009 43665 76341 34629 65457
94905 52814 08400 31076 03833 76473 56825 51276 89112 16863
32599 94108 32559 47116 82974 65344 23823 14805 73521 80291
83810 30981 46885 55927 94914 08230 01479 86943 64443 21704

19141 19115 71799 36374 15910 84337 55926 36091 42244 98068
60726 64940 25551 73302 53837 26460 27648 30297 40510 96415
56186 28859 02820 54337 81646 63924 05928 52471 36160 95601
74993 69881 86832 67407 97721 13483 22309 96184 31206 98636
09418 87730 72560 75451 19564 18870 05429 73582 02090 68453
80580 71181 46432 68027 65517 90281 16295 17461 54727 51984
78408 03454 99929 46642 23074 90844 78106 58143 75580 40353
72433

17436/16128/15821/14788/13496/12184 kHz, 23-10, 1500/1510/1520/1530/1540/1550 UTC
01031 00156 80501 91621 21434 91422 78150 07084 07285 48557
63156 14955 25949 20249 25262 64209 82732 32158 97930 08243
78003 23466 02137 94050 29477 45909 07221 06531 78127 33826
08942 93582 90025 72526 86257 24423 98977 37898 31278 19962
83726 43034 41997 68171 00137 86636 63027 17478 49593 73426
13367 74866 22653 57157 47592 97361 02064 86449 62143 75523
84200 71618 28956 73457 39614 69572 24928 53421 33991 00838
65230 44834 00879 77968 24516 34969 81468 33965 93913 42840
82880 89742 56937 04701 20458 34075 70929 32868 24933 88894
22359 12527 75753 55753 35761 12107 14078 68539 28556 30563
61707 09606 83486 48755 08195 68532 73986 44684 32641 12623
15893 68098 92535 19303 92641 94457 14681 24254 52998 05539
98642 92059 28487 45095 78478 52702 69080 45125 42207 12408
20891 12928 05408 63349 81132 73274 06255 08181 96504 51925
60088 26245 00226 12310 73001 54259 19991 56449 63110 41303
97424 89822 15540 23017 31920 69646 81117 38391 25505

17429/16107/15928/14737/13911/12138 kHz, 23-10, 1700/1710/1720/1730/1740/1750 UTC
01032 00222 17938 71861 66585 25426 99720 41511 51123 36322
00407 80185 24900 79324 48360 38770 23190 38797 65149 35999
54492 30256 05780 76887 78005 04183 91518 22662 17178 62309
35092 90280 67876 94019 78479 72902 21912 08836 58731 56332
95162 06866 66147 04942 59354 22403 38340 06880 22752 23954
73699 12192 12521 21250 62517 38929 42628 41049 93854 62401
33907 77057 24332 88812 01230 10126 12308 30879 00845 75456
16857 15353 80064 08817 40836 47626 64108 00838 17533 55602
65841 84638 99909 93223 88608 22900 77758 46626 31501 39549
30273 80862 14981 96328 22424 18104 82532 77333 03711 49228
10094 07460 06035 47294 07096 58345 32126 03703 80412 14891
74820 41789 23516 38251 96559 49268 77147 31108 00203 78329
32366 65680 99377 61294 45182 35994 00371 83735 86391 22732
65092 86774 97126 68304 45507 58380 78602 52615 86126 30262
90772 74055 66213 16610 64728 88483 57345 76728 99768 73155
40956 51424 77129 25380 16861 44412 08082 44739 02111 71101
57973 48389 17310 57679 49797 88044 44661 55211 92742 38178
70664 24531 44980 69939 87555 58310 99466 82766 96565 56698
78647 23642 83965 13236 81775 13668 09645 71746 51442 01094
50298 33863 50503 15025 72288 42383 56744 08533 66812 76682
43821 02134 83984 61590 02491 16424 06443 07189 37823 58550
44945 25315 48173 45411 92452 34331 64423 04074 75903 36128
78399 72914 03768 91647 27337

15804/14918/13494/12182/11163/10563 kHz, 23-10, 1900/1910/1920/1930/1940/1950 UTC
01033 00215 38243 53951 77073 16211 02633 35785 55686 53485
19657 42441 37123 83322 03336 48075 52782 97386 53524 85656
37419 37117 40839 39902 91855 73415 48446 10270 86962 13297
57344 03606 20817 17056 86699 77114 51715 84290 72353 88468
20636 70486 31347 98738 24381 37573 43557 27636 26843 94468
55470 33881 75127 85200 67636 88287 02938 98339 62094 03657
67763 92362 48822 42388 96139 16051 21624 20067 96621 26221
96359 68491 25033 65055 65020 66931 05769 42099 15521 54282
29858 20810 83426 92493 57826 23463 28477 35615 49418 98410
74176 53374 22195 68696 20705 28273 21664 88958 02599 08329

15948 23490 31013 00622 98107 86978 08848 10072 20180 00704
82517 60838 82817 07812 73797 46952 08935 56327 84561 72676
87572 86007 70647 98209 52043 42985 46296 56335 44350 36746
45267 16810 39500 07191 38333 06367 89796 82804 94384 70847
14615 18405 15435 48714 15893 13337 70555 14382 94897 73751
19337 65335 04396 29921 20756 29940 52841 32802 48577 55122
40682 52511 65721 83432 55435 65706 21338 75626 69478 67430
57155 26130 61941 13714 58061 69167 70572 21933 82316 38706
72428 31913 61437 70597 17409 79931 12414 09578 86434 08392
53524 56993 34226 39262 30164 62102 52683 32001 93277 50185
91998 94928 44903 27467 16596 93205 03393 90681 71858 51587
59367 30908 50485 09870 82692 08768 91072 02522

13411/14411/14741/15821/16142/17431 kHz, 24-10, 0800/0810/0820/0830/0840/0850 UTC
01034 00252 28025 15850 27756 44292 94940 12145 94397 99380
46169 86825 78168 72949 58867 23492 35436 53987 78046 55626
19445 84497 88766 95028 27780 55808 06025 56927 77898 70822
55494 31526 61795 98765 49580 39730 68500 42275 64432 24691
19281 90547 53210 22274 10187 37088 73780 52317 28301 45909
30054 21412 45596 97416 23270 47763 69600 32995 88068 71947
38267 38013 34246 23574 43886 14643 25030 79401 23369 19137
54990 93159 89553 53354 36345 28896 31287 66492 84841 90691
82027 53706 28625 31988 40768 34081 85928 64377 75495 01817
60129 35505 54205 92483 86423 81266 56301 29635 78387 95542
12057 94377 28948 09164 90917 36893 31857 92240 61071 94372
16476 13108 48152 97376 89919 84559 09388 02257 82805 09804
28714 60652 03906 21552 59007 19485 38954 97068 66930 55077
72594 01651 88103 89298 78633 87648 24757 19460 41070 03874
02223 93686 03305 81121 85339 47020 87351 56828 02564 01863
71878 54043 46829 68583 66828 51404 90470 07396 50156 71431
97938 34788 25310 05993 21777 14824 25003 58852 18742 02271
59802 89926 61186 78930 07580 35026 57346 22783 36211 11986
32133 82124 94504 65066 83198 18550 54821 19520 22470 27228
97176 17361 69303 69637 05935 67434 68376 97310 59344 70514
22017 28499 38085 00293 42060 81950 92856 67897 61002 31801
94057 67686 71184 38169 39298 15813 40282 60242 22794 03226
60002 05483 36381 91513 05093 42440 20622 91547 72994 40145
66648 60034 63438 65695 89968 03633 44038 94211 23005 01247
25692 86922 58516 90667 33170 29490 46176 31133 30339 90120
27151 08133 74516 56117 00721

17421/16327/15833/14958/14528/13961 kHz, 24-10, 1000/1010/1020/1030/1040/1050 UTC
01035 00192 52096 63582 74739 56883 02640 82007 90987 10084
52855 08637 23648 88937 41509 80468 02453 85045 44844 02374
98984 35374 27846 05997 17483 67652 79703 26160 77923 32428
31388 64311 68910 47738 10942 24849 77694 31530 28647 93503
07641 64345 17258 50730 96903 95340 49053 80053 92643 55005
96242 70841 23248 84964 67515 32870 00550 46098 46099 07087
77178 76479 11184 58559 78694 88543 39726 75909 77994 16659
02773 70922 56397 51339 94732 34639 18115 77114 09092 22142
18599 99649 33516 16918 36184 60545 41063 83944 80222 78070
24298 31595 85430 21560 16325 31161 54261 58698 72034 08360
55613 73143 02058 75983 52231 25319 14443 71907 90230 32875
14755 23435 37006 23956 88486 77528 42962 93164 22374 18149
47480 55780 95686 99922 92360 71176 85491 34836 35014 63571
80377 59415 05079 00732 66527 45455 97590 57531 64686 10864
46101 69154 93712 47346 63315 00863 94588 61473 33072 38795
88197 61095 36324 53885 60879 99832 77455 02135 83622 81053
39827 79606 36892 26659 52497 55338 18355 36273 57427 43031
79937 85429 28478 11509 72046 78324 62067 48339 36607 91496
76587 24018 01763 96218 75372 19281 23091 51193 39852 66694
67998 95455 73908 83531 50502

17420/16266/15965/14963/14376/13472 kHz, 24-10, 1200/1210/1220/1230/1240/1250 UTC

1200z: Off after 43 sec

01036 00277 78226 85464 11719 10547 18688 24475 27293 86441
10540 91840 43149 26335 13464 65859 73807 48845 32648 61859
06062 82192 99097 23271 75330 41742 42190 13987 08474 64462
09293 78717 17649 76145 29192 30891 44811 03894 16265 89763
65730 69519 32721 69222 51331 61091 98215 88943 12745 65172
21979 44992 81240 92814 40509 77442 86183 54955 10134 69975
68355 04700 16001 62830 77148 31821 74191 67003 97141 82571
21048 69912 32579 42883 96127 36541 49471 29874 71938 14238
43525 53246 01241 43301 42482 64299 97475 24833 35635 51749
44706 89855 93759 46288 21408 61030 53518 69889 92073 19509
86898 31212 91800 30173 44124 52066 12412 38357 96686 03967
27970 56309 83015 95894 26450 15108 03458 72698 20347 12848
34345 49358 31367 45392 37864 31191 76152 86290 21475 35097
83021 79580 37800 52429 27339 12313 61444 71067 99175 90415
51886 59118 28146 31668 23778 88396 06839 97864 19838 06299
57571 80818 49542 79224 85163 37540 99843 46408 92307 12932
75912 26121 16881 61588 20945 48389 18508 30586 68555 14136
53663 32390 73521 29930 60961 75226 21211 99698 21614 49467
24352 78286 66451 15175 77525 02202 30038 58575 67264 89797
12468 15036 78759 86243 14502 25764 42236 66556 10722 75388
69888 76251 29309 05701 52635 25180 07296 19611 18262 09936
16328 00144 24794 42840 88579 97624 59669 01705 84062 18742
18350 59932 63320 78756 01667 38626 53629 87277 15427 35196
32989 54654 88975 46224 79577 48099 48977 60749 62539 52344
94904 10426 40312 57328 73468 12323 90241 35919 97663 16877
66094 40530 82493 91979 57037 09955 12930 50551 04034 14008
71550 20018 04183 83064 76946 61673 11168 78568 63261 40479
48646 98918 39165 31717 23836 07923 19619 05992 05288 33642

17434/16076/15981/14874/13993/12212 kHz, 24-10, 1400/1410/1420/1430/1440/1450 UTC

01037 00189 07461 89359 73203 85792 80519 64279 07324 00583
46604 84654 66832 08828 54247 00890 33965 15596 72508 97743
22579 72814 88197 07934 17264 80581 68397 62987 56870 42616
91008 99011 28613 57884 81610 29505 01024 61281 38610 05513
98378 75220 81571 71979 72099 04792 40819 99275 73767 21350
19276 04035 95775 43471 21714 17238 38295 99525 72094 92620
17395 17531 07408 64706 09573 47592 56040 08947 27216 24742
99865 72682 76985 66994 99364 47357 91241 16217 35834 12471
39762 69120 89219 35519 23340 86973 03236 85140 36169 64372
91209 01497 89185 45988 88117 80846 67812 16864 62406 24507
48750 31871 72058 49025 21484 46592 27049 28780 44106 74355
25996 22078 63691 59623 52858 48273 28311 71887 41366 22598
44355 70898 72776 62843 33532 98367 83495 30996 78876 18518
79544 74376 53809 11326 63720 07890 97061 40194 14035 76746
59924 74455 41034 61812 38375 69130 37804 29562 93129 39843
52534 95924 75497 39808 80150 77850 59093 09214 15493 23115
63095 96051 49902 25588 94810 51618 68267 52365 95901 44968
51211 88115 57852 64618 62673 69899 29864 10964 24468 64400
60563 53932 37866 39032 65982 83618 98878 14001 31174 85868
48795 34210

17413/16111/15902/14666/13423/12212 kHz, 24-10, 1600/1610/1620/1630/1640/1650 UTC

01038 00263 73397 66605 13823 54418 73579 22409 88080 48348
87030 81198 73596 62775 46489 78130 30486 95278 11313 90029
62393 74707 21111 30255 23115 71172 96156 50430 26581 07819
96522 61527 59703 26891 07309 32345 02841 64053 96735 64558
49389 32677 34076 22257 95075 07026 38077 28931 90850 12125
43072 61378 36843 99497 50926 20186 54612 43142 43489 42649
58261 23148 95826 80260 51825 25503 21494 46704 55466 14144
75289 66432 98541 46754 40640 29716 40631 98853 35178 16089
33095 67224 59579 14455 64746 35144 24683 60205 75964 87121

77732 59698 20563 54085 06296 26240 36849 53814 70431 69572
85531 91371 73464 76705 36835 76639 62835 90087 58857 21210
79554 55758 07963 27400 09554 91035 63568 81371 15514 16680
00819 61287 70739 68344 36410 15591 45868 44456 40457 14399
92866 86815 28421 65605 30556 41722 93759 82873 77619 88105
72308 34595 01347 54753 07566 21974 51734 93162 44530 15259
62671 55476 38300 53750 68752 24243 20632 05120 40294 21243
30770 18378 49629 44458 28342 92738 27336 42357 96842 67831
97275 80693 03752 27407 44371 66223 59940 15985 60777 14436
63855 52705 99924 25198 51727 37389 48514 74669 96851 06313
21089 88639 42578 56375 57334 53929 84964 56888 26411 14826
94636 09377 96318 76698 17982 81976 51724 10893 09379 02529
64301 04647 44341 25858 57386 78063 18452 24431 92730 90952
44224 52665 45504 90529 46741 08636 38115 47375 70071 90440
81258 03052 89573 45950 19799 54478 56385 23225 07215 69749
85663 37621 65290 94321 42010 16442 44297 16720 98987 79270
35476 60532 64156 35457 70601 41970 63871 05789 29957 09346
43860 04348 40820 18937 21270 00525

17434/16216/15867/14541/13508/12166 kHz, 24-10, 1800/1810/1820/1830/1840/1850 UTC
01039 00213 87303 93882 66747 76312 38576 29834 50587 21365
91318 86983 42396 15090 98246 66468 42597 14221 27665 70908
65167 52315 95752 07043 54463 11802 78579 13953 10880 60534
23145 74566 73838 82991 77958 48302 23471 34723 53917 87760
07289 05038 56416 97901 52944 59113 37308 53301 33848 43303
71469 79637 03546 63908 64250 57445 46770 80260 39418 54944
97731 24623 18954 90051 98219 16752 13145 59403 37130 49944
42997 07874 60302 39904 63619 60129 95897 97849 54097 95349
74493 25278 80104 67575 89063 43507 71020 09930 18740 20512
01531 43210 95304 98971 90028 82665 86083 66363 99671 36192
45968 77903 16170 83903 00306 63595 19334 63641 00289 04121
61546 48919 26162 44068 80449 72452 44518 51377 00988 54711
45730 03215 40663 16618 48412 99786 12569 61330 49874 80952
74044 29534 98167 17905 49380 96589 09108 96199 67268 25467
24172 07379 09640 14618 58965 52611 17047 51235 18521 17575
38146 34705 65375 44969 90460 42753 37239 99551 35490 00519
51026 58003 13766 19335 30076 32012 50750 08257 94686 83859
63344 48317 84107 75519 30539 38351 93573 26044 57651 95800
82738 61332 42808 32299 42805 39338 64158 53198 27443 06627
59349 09556 60709 66749 74439 66167 93612 90304 84541 26953
01860 08789 56547 34661 54229 89828 50596 89854 14429 52109
49178 11194 41899 39689 17779 53657

13479/14458/14968/15963/16240/17412 kHz, 25-10, 0700/0710/0720/0730/0740/0750 UTC
01040 00214 18668 73853 69546 18612 47225 99027 91897 09938
01251 90861 61412 22817 46369 24325 34016 21303 46005 14691
89145 02009 65650 73815 59625 28330 59433 79455 90473 36492
21417 00546 92229 15411 77315 35213 85181 70166 64728 39371
74620 05000 29544 57254 45917 26936 95481 95455 44732 45044
59963 84564 77225 55872 61305 18631 77143 44852 14227 41216
59178 67768 08554 55405 88520 00705 98630 46000 45500 11155
39143 63848 56573 06634 40069 84144 72463 08396 27898 32689
32847 63976 34722 45429 76527 36851 23319 36357 54105 58683
58069 40329 55938 23512 80191 06852 96445 74138 68733 45211
28304 49480 49954 33577 05900 96113 27990 70590 15803 77159
46166 68747 16953 81537 08368 95201 33045 63123 78876 51668
77384 62273 91894 86815 53085 98812 07910 33061 26442 33217
87698 98324 39662 82685 04384 83366 14021 01145 39528 80412
08861 52727 20553 76944 12517 89320 23375 74400 15143 84989
73805 33322 95261 17064 67825 66030 57584 63137 80490 07086
88203 94928 44148 82584 89460 47841 29084 34267 77152 25000
81179 31900 23594 98463 42807 24657 41719 14949 74298 63763
75437 33508 17917 41451 59411 54375 03063 22597 14859 38353

25781 50882 20653 32441 92207 13931 08578 37968 87483 64674
60235 89107 97246 90141 03809 41905 09727 96796 74256 43168
24310 42634 88837 16727 31648 54695 55466

17419/16341/15824/14812/14402/13491 kHz, 25-10, 0900/0910/0920/0930/0940/0950 UTC
00041 00269 02888 15259 87229 03251 08678 74835 33254 94844
63760 24497 08973 20342 49711 92246 62404 32683 33065 30058
45886 66245 68754 41834 53781 15952 34921 00119 57002 51241
12330 23190 34091 38161 86204 88847 35887 31541 25903 91191
87582 45075 20119 20645 11838 90392 01820 77092 15042 51286
12267 40220 32401 34741 55782 14399 10622 61062 61476 71277
68328 08559 17832 82012 82413 40570 90405 70811 34137 59862
56358 30863 06779 41873 43474 00911 46125 48109 29995 63387
14132 57827 85075 05715 38973 72208 90788 99348 82377 71804
79225 74824 70064 54625 22862 79023 27242 38106 38230 71267
99986 31007 42955 55178 94927 81403 33441 90526 91266 54870
68273 62512 31066 98087 57145 10501 23482 12116 43038 10205
49780 91055 88432 62331 80636 81532 60797 52153 19011 64449
73668 08019 08878 58726 63400 83124 14872 29896 10787 57569
38767 00261 08082 27507 03531 16713 43757 71975 97479 12361
55541 15125 95067 28025 21487 08931 42573 80622 74541 13395
20605 81286 71514 26816 81201 60253 52633 72339 34687 74019
95627 93584 01329 85468 71436 49518 82973 60925 58800 63922
37775 88820 54673 06650 08908 58542 12950 81851 37239 54468
40550 34249 55353 97390 36963 57479 28746 81265 46305 43276
64078 71417 37288 23459 16732 61955 13796 09599 56588 71967
25957 81646 21821 10618 75618 31783 26613 64864 17907 22658
47303 70780 35099 80217 33468 61377 38230 03937 48504 13956
20772 01707 14619 15523 99843 66357 51532 31213 89916 46951
44745 03351 25263 65271 28511 58903 12427 44735 21771 05179
30866 63881 63357 23646 95972 93296 36317 57070 89989 55353
23725 09858 61093 42631 51194 24249 67027 06298 10774 09261
80250 74460

17418/16304/15945/14689/14357/13471 kHz, 25-10, 1100/1110/1120/1130/1140/1150 UTC
01042 00291 78139 55786 99970 07286 55061 78716 40486 35568
21105 84624 83120 06965 85513 32342 41960 79182 99459 20037
48456 39445 09852 55808 51012 31224 18406 28330 15804 40644
04078 62620 85299 61512 89939 82140 47892 30380 89408 11150
57790 36439 78469 37120 96956 90231 61054 37629 78921 76608
80078 97269 30325 76806 36174 37304 84741 22331 04773 68746
88878 26730 62912 99840 31489 58483 99324 21607 17024 03373
84449 11579 89773 88309 62246 12016 60974 72730 58851 60779
70169 80776 49408 39195 60564 06808 32295 08493 25338 52635
97398 25561 25606 20662 22270 31059 73526 78627 05631 38472
90906 39447 20604 75548 92157 68498 07495 42015 14559 24158
76329 12010 63478 43993 98575 08101 77320 23717 39275 24681
26188 90831 96267 64388 05973 58888 85972 69111 66038 31187
38488 82345 67099 20378 69872 30722 60171 73859 47036 92065
99311 90279 93932 01179 76305 85387 62081 81612 22085 14168
53737 49809 39352 80949 12284 00075 43178 56215 69574 33269
82525 38383 75975 83370 85668 93983 44910 43100 74120 67853
47928 03461 76679 47209 25368 35908 96897 95088 88081 20584
96806 04360 47026 51869 77448 88678 42993 86148 08094 69797
87543 03956 04284 13767 09540 60927 14303 10561 15510 82321
40477 18981 07492 54230 66238 50276 73129 92141 55580 76374
03176 48089 68132 48990 36462 78164 91356 24106 05922 96989
50989 58760 35005 04322 80309 43972 99175 62911 37669 64439
21604 86335 79578 05760 80106 77824 96867 92794 85629 27172
15548 50850 30568 31718 66620 39454 35822 55293 77304 31374
69570 90196 04639 18519 31331 81715 83974 03169 73920 22266
51099 10217 54471 91139 54770 16839 68510 62371 68882 58636
81296 98561 38475 78749 81440 00138 28192 03286 37701 40855

08149 43881 85605 06295 94868 31407 81696 61058 74428 98389
93848 93698 18873 33435

17423/16129/15826/14793/14384/13468 kHz, 25-10, 1300/1310/1320/1330/1340/1350 UTC
01043 00166 69376 87275 82605 72356 52863 75826 29270 38565
77910 83406 31065 83515 53253 40241 96596 55726 87801 23214
91626 89832 11746 69073 32156 00743 34485 04186 65986 02282
94310 34833 08581 90746 51691 45284 44595 23299 77971 05882
73417 84857 34862 38253 20183 67200 98267 69451 66306 31808
70318 27927 27955 78633 27639 98145 99481 00302 55119 81861
37871 48676 09839 26987 44254 43077 74825 40318 31823 07968
95644 73297 77753 81918 49796 06768 54970 73491 48890 64954
02475 65032 37878 34178 31963 66382 06878 29946 63107 53545
45801 44293 68179 96108 68009 24740 75017 07875 93997 77105
92374 57949 37627 58337 36162 97020 50172 46035 28837 20870
43175 25990 51411 90163 79386 72838 10798 75660 95022 77871
36198 44879 77209 78277 62165 51351 05117 81644 13908 25055
31749 47094 79492 71783 72579 44524 27404 79539 98014 34942
16209 60841 01108 42237 10370 19811 92881 78014 16722 95170
13942 99356 12851 16126 40907 47495 80739 59349 96170 84810
91902 68527 32126 03781 89119 96079 46497 79626 54231

17436/16128/15821/14788/13496/12184 kHz, 25-10, 1500/1510/1520/1530/1540/1550 UTC
01044 00167 08218 50174 53793 69589 10518 52397 11701 32407
32994 65125 44482 75669 59049 14418 25011 63743 65881 58515
27837 84242 41885 10208 01744 77925 61895 43597 79835 83590
53624 35444 85986 41984 53650 25928 11618 84327 45051 47635
13284 12607 63183 36119 51335 06485 44828 73828 34346 27761
99352 17057 19772 60417 77224 43278 70083 98008 48430 75867
07694 66920 72561 28109 78782 97549 79137 02497 22018 33120
02799 40683 18692 18245 45231 15229 21058 05765 58872 95258
33097 88066 09250 52073 84237 36566 15672 25568 64759 10372
55843 13609 35897 69182 39941 46362 40045 35074 57336 53785
27346 42330 51809 01225 24962 58668 98364 01527 15186 61994
22219 64318 39135 53171 42770 19627 57670 20487 43870 42216
81876 53568 37737 11646 77276 89188 04786 49508 78302 98867
75183 85983 48428 05087 67911 90765 36256 08024 27111 25569
38200 14145 10382 02764 88151 91524 74473 82724 26412 20314
88691 19557 91202 15119 71907 73777 04593 40163 23948 35772
53881 48856 23223 16318 86810 36235 15889 34047 85259 45444

17429/16107/15928/14737/13911/12138 kHz, 25-10, 1700/1710/1720/1730/1740/1750 UTC
01045 00282 98994 33005 33072 04422 70854 74883 42941 99404
74430 19816 23252 35138 64584 78190 07106 71986 68495 66483
90344 64094 48020 26578 29451 94604 78997 26917 55644 65520
94655 47254 64818 79812 04678 91826 23747 99381 91595 22775
28204 37379 36664 37383 70285 02516 58857 26632 29921 65808
38995 73435 41228 23216 11151 40711 40498 72415 03554 38467
25423 43936 19239 77420 04748 27176 54996 43439 30459 72757
54443 07724 80389 45720 38279 52965 27430 10636 56291 26934
35746 52365 96995 89834 26524 21220 06026 41602 68660 63965
51327 51330 95826 53127 97350 84266 18139 59242 32634 43109
47519 15417 96171 57162 11364 31270 93044 95507 84936 58184
13280 29861 16124 76618 02720 73057 46940 29403 50895 83527
21149 13393 74777 66492 21429 03113 11896 27261 48368 54011
34825 68187 78001 13181 79414 20328 56192 39832 78470 95253
28174 10518 56665 10475 50685 21466 35205 19207 50407 24292
37326 88734 08346 49105 21959 34125 40638 29678 35733 08251
19373 65783 47138 30924 23359 45092 51859 02942 97203 82391
16864 07107 50932 55641 55353 10631 56727 64302 15807 99962
67906 92688 76853 24075 16685 46089 59841 28895 91220 45289
79688 26513 04099 70219 75879 62390 63378 25740 87115 05593
69605 32263 22003 68015 07428 30218 37802 52703 93751 11327

77396 76335 13871 35769 40343 26684 88928 23062 14239 77268
85249 22963 11720 51913 02702 90350 03008 80712 79761 92962
47252 30987 77185 10214 30356 35643 70684 08838 16647 86465
08287 07137 35143 79893 67892 03353 12642 68328 29875 49194
73460 40315 11500 09847 20342 46642 20542 70088 65312 17076
27200 57089 72941 00788 64074 46408 99148 03656 05413 04700
00999 80090 06415 27772 68980 78112 87818 31826884020 99347
77707 34678 50837 30567 03727

15804/14918/13494/12182/11163/10563 kHz, 25-10, 1900/1910/1920/1930/1940/1950 UTC
01046 00260 52139 62053 57252 50186 79243 24509 71037 89665
02192 06781 22849 71426 18537 59652 25492 97808 07401 98211
49426 35407 80429 98147 33420 84338 29305 49615 84160 98773
96230 33108 84886 30224 69781 17873 24861 49757 24899 94033
08753 40443 15592 65655 18662 19353 60124 23087 97119 02527
37386 03874 77227 65613 81326 09210 93522 53991 28632 72913
20881 29627 40348 72263 93434 69083 21893 92624 01644 00663
34790 75734 72908 13367 89457 08983 19814 14773 79484 14067
24213 06217 52495 81632 61387 92356 55880 19272 48897 60571
24350 70869 21125 51984 73152 79125 00094 43328 72220 49578
97458 67499 21443 96455 67735 61650 30964 63860 76155 72342
89394 78748 74505 14564 48700 14663 77131 58714 10876 01077
13202 02621 43726 41072 76312 63919 54609 20924 40213 10332
08889 76485 42551 29906 16607 56713 84773 56038 13897 99735
61391 92018 43116 76554 71175 45600 96363 06560 03284 58489
01993 41379 32451 71142 36375 94837 23772 80369 20143 03816
07040 10040 23646 65822 63453 12908 36197 44599 97956 91986
29888 21092 44817 11139 39685 21182 59503 67171 69895 30711
67555 48049 17639 81723 08338 67508 44033 71408 93529 21768
32940 04404 35894 10080 92694 51351 68372 77293 13100 58266
09403 51764 08602 11297 28601 80900 96561 21311 31457 15192
35334 56599 10474 89431 36259 58990 92399 41921 57484 95943
68873 64787 51068 76188 59045 25484 85196 34736 18444 88332
52809 82209 54070 11628 21308 15791 39447 06341 53122 27437
70946 22721 39950 78337 86433 76339 93928 46462 73819 33704
58950 26450 19809 17156 89391 44614 00695 32412 52250 03116
95702 61824 54747

13411/14411/14741/15821/16142/17431 kHz, 26-10, 0800/0810/0820/0830/0840/0850 UTC
01047 00189 95402 12798 78238 54529 09529 89725 62344 02020
36505 94640 18919 56756 42687 33376 87125 22375 46121 74295
89850 44117 80430 46094 07507 25643 54940 07679 04866 90601
71693 42841 41830 64727 29308 68040 43930 96191 70377 59567
35149 59891 96075 34270 87138 26085 37374 80408 72439 05015
82343 83637 55851 66331 76402 40866 45916 49307 05290 52594
99587 01850 84859 71742 30325 93663 52809 54191 27448 74645
89445 90932 51997 86552 39146 29959 50041 46159 58955 81421
88268 63530 35239 99849 08246 88054 86988 75497 88323 88440
22124 94621 90900 17782 59978 33298 75031 24332 03944 93473
73274 83182 52960 97792 15569 91420 31640 69297 27184 46443
90823 99756 90351 23867 64325 25057 66610 85008 63495 42270
06674 77310 65866 39006 52521 94822 00032 34215 26574 05847
54927 25708 42214 65480 08147 05086 21569 37445 84279 16825
56414 17690 48313 41880 97615 22367 04270 67032 53455 34920
66687 90021 60835 61673 86798 95962 17315 13953 45271 20746
91387 97423 42723 21337 91515 65115 57541 24870 15720 59239
03487 29165 00729 46670 85854 88983 28997 23986 41390 30153
90551 32998 80758 91652 39159 64904 64872 80539 78681 12184
87769 46035

17421/16327/15833/14958/14528/13961 kHz, 26-10, 1000/1010/1020/1030/1040/1050 UTC

01048 00188 11906 78280 26572 10516 38419 30019 64099 71253
06886 22505 87228 46852 10985 97804 63830 04702 27336 28283
86202 77398 37156 23254 97960 44543 62197 64705 56073 17285
83032 74673 57693 76202 39361 57659 70553 60371 00875 00821
15259 31894 25997 60129 78226 39860 51694 68851 19227 14703
63882 67006 64011 46184 48844 23513 88797 88650 80318 82027
48317 73713 73945 46814 88219 32211 64810 11025 07390 53324
17251 03459 03827 26515 14023 54337 51401 77025 45027 58100
92847 93345 45477 41370 53402 16026 10661 11509 27358 15848
68861 81901 80052 18847 52503 41545 57948 79182 71909 46014
75048 40669 61360 65901 87451 60423 63178 37496 32160 94535
72111 11771 43623 22218 89178 54970 28235 32575 93411 72192
21549 53301 83665 91641 84462 45348 23405 84978 74010 72477
96358 72217 05115 99012 83051 52178 31985 79574 53917 92977
52846 73164 79347 32821 43735 57090 38278 57834 29667 97531
13310 25373 85770 99715 24465 21746 57002 69718 81438 42102
37017 78198 63484 59682 98175 99892 06655 44609 39166 37000
22985 48659 78656 00433 19345 48384 73953 50844 47905 27372
07070 65570 55311 76478 59167 70985 86446 05399 74547 61304
01665

17420/16266/15965/14963/14376/13472 kHz, 26-10, 1200/1210/1220/1230/1240/1250 UTC

01049 00215 66514 69060 30733 15650 39042 48186 89447 14796
40830 68907 63244 48626 29365 80982 86442 88621 46282 09718
25786 43608 04027 85517 91832 55929 78341 41741 88504 01546
57673 40685 09945 97052 75157 83809 28049 81439 62750 25713
59820 05505 57671 87453 23598 95302 33926 11805 30806 92104
99941 10503 07283 56372 91677 78002 39416 80995 77227 74803
37308 97300 59681 87900 57121 00144 58962 66190 73467 45554
52932 05003 25870 20569 49896 20281 85936 16572 61919 96528
22002 66535 10934 96398 01603 47169 33401 53571 05375 97154
44393 47052 04211 87945 88404 62519 45823 69770 30331 23454
36340 67734 38336 85250 39172 94938 84631 86713 06475 71396
92065 22843 19076 80698 52800 70771 86365 63281 86296 09952
66741 05390 60815 76312 01161 05880 00791 37924 32163 87376
74456 16166 86240 38465 60187 54267 28199 25682 57226 06664
62536 46687 47095 33977 05088 21550 27976 23512 35145 17633
76152 82540 83472 20379 56711 30950 06918 62022 84089 33291
94147 46707 54549 19098 96939 75899 36602 80610 20510 98532
42571 60683 06055 79631 47414 20054 58293 26838 71223 79610
77903 77277 02779 14530 11223 91914 32692 65861 81752 29237
47349 66175 41591 23934 12516 15828 92136 27997 37036 29188
84946 47364 03002 36611 75060 15469 76484 03840 72963 36656
72656 80078 90798 04479 55387 16869 43928 21637

17434/16076/15981/14874/13993/12212 kHz, 26-10, 1400/1410/1420/1430/1440/1450 UTC

01050 00253 64712 47529 04630 25783 17220 40412 67696 85316
54607 52959 31399 23727 50269 62419 21625 88380 90948 86623
45967 56693 49901 73572 67738 65098 94755 98695 83336 49490
08870 64568 81862 24234 72924 22200 70498 72672 14082 14027
48606 38634 25233 71595 92307 66319 07203 29121 79763 37092
90279 35650 27854 42477 49752 88329 19114 91138 79789 39530
31027 18523 57075 18205 76445 90037 71095 07164 50801 28069
91919 48951 74297 76920 38017 07333 31460 78305 81264 01419
57895 65633 18932 46243 59209 73219 36713 39385 74481 84593
03085 79359 92882 74551 82998 30083 81558 07027 95148 02269
95222 00038 78319 51694 45171 41328 61351 50933 04460 42419
56869 40808 09874 78369 81634 65393 99590 10831 58995 03226
53324 31710 32681 66206 24983 12560 56068 99745 93920 07934
25773 24432 83156 78994 06195 57856 87313 67236 01071 17880
11868 85779 34925 32062 27724 62276 69484 14512 92915 17605
30491 70727 48031 91921 48944 63512 67355 12112 26710 32611

85259 61605 57011 96524 16645 32437 57651 30879 72174 23777
78079 32353 09759 41114 91357 67543 96784 00619 38482 62706
43075 41556 06829 76315 77441 55045 76400 91233 30049 42682
90499 75200 40526 68459 32620 50261 28767 38399 15416 95285
04625 38605 42336 69138 39524 98137 60967 06916 00564 81399
66727 66736 73628 64003 89535 43702 54775 80695 19083 61598
56035 66416 00829 29491 33276 02878 91826 41298 08493 41095
38776 58384 85201 43195 58081 04469 99218 37689 36790 79303
94076 69483 90668 48649 75954 23763 01571 76521 78922 88916
95484 48070 19315 53817 39250 67132

17413/16111/15902/14666/13423/12212 kHz, 26-10, 1600/1610/1620/1630/1640/1650 UTC
01051 00263 98946 85004 96327 21612 72041 90115 82642 68312
05061 89114 63719 10534 79721 64957 66134 18837 36118 60741
62487 16875 93252 07869 34236 69982 23911 31928 72199 37687
40374 05145 98664 58441 67724 76621 09436 01926 41300 63409
85083 99803 24916 45712 88016 10353 00527 80437 78299 11798
53590 26271 23085 60435 12643 26411 82349 91076 50768 26344
97699 40113 17916 44955 27938 99914 90449 05278 42808 03099
55520 64207 77535 72708 75656 62682 91957 47539 19852 23883
69455 43473 52627 60401 84096 14102 82059 38228 45798 41313
94270 18359 51157 14956 65708 44969 81887 79960 17774 88100
19902 95248 37628 76200 56276 89381 48735 50375 84777 49959
34452 34810 71223 26885 56888 54225 87484 57513 60857 13835
17855 52221 59479 01495 08827 37160 13049 62579 06999 30687
80793 11996 29765 31750 03980 74206 05845 76426 04124 94713
65366 31683 53449 95837 06861 59460 47134 24272 58067 11482
57483 24373 19102 03938 70245 67680 35769 36132 67372 19115
76331 86155 43375 54090 69165 22455 05044 39473 22904 82681
48380 11057 53389 66143 48468 86170 98770 63640 94632 49365
90025 88776 04511 95516 73202 56419 92893 25826 61504 36299
38436 69711 09053 85007 18381 79209 88306 99357 26671 84404
54416 07661 01368 75384 63101 46425 70983 52958 55469 84073
68908 72127 41498 18007 29089 87554 81643 47858 80887 12745
29561 79217 77967 86603 44244 78667 02004 68380 47761 69157
97862 99411 36968 10228 94948 82363 87408 29126 32414 26776
85435 39934 70355 77430 67389 66308 28212 91045 55917 30826
97565 40448 18470 13926 54843 75197 29692 14763 31140 84432
44421 02602 05197 86211 86209 33600

17434/16216/15867/14541/13508/12166 kHz, 26-10, 1800/1810/1820/1830/1840/1850 UTC
1810z: no transmission
01052 00154 30876 87855 82168 47743 18731 50175 87088 45656
15633 23473 49361 57982 61862 98461 99029 22204 10833 47974
23109 63975 06880 74055 33220 75732 66373 96157 25847 83976
97641 94464 10182 29511 22801 50383 66542 09486 02470 64477
40343 07281 72426 77071 39172 29524 46768 91485 76812 76296
29479 12235 17173 29862 96788 19858 96034 45819 54635 06436
81168 22572 24327 03112 48014 21168 13291 19850 35180 11479
31919 89543 19734 46125 07631 15827 91548 29808 34883 03695
28964 74887 19344 49549 54496 85406 77291 80318 32721 02943
54347 09722 54849 96033 83538 17770 82952 69314 29056 18004
16233 26917 56304 65333 44377 39934 92499 71046 22231 80960
28308 66226 21936 50939 77470 06281 03227 74777 48614 62607
43876 32972 87127 32237 57131 22197 34693 23700 62586 89859
32874 22234 00751 16878 87441 02046 18582 54010 05172 14561
92905 06244 58086 51760 74633 88119 87784 03910 18562 77256
14542 08175 20699 66448 74126 83259 25133

13479/14458/14968/15963/16240/17412 kHz, 27-10, 0700/0710/0720/0730/0740/0750 UTC
01053 00188 85011 31969 09969 21033 87583 46730 04374 30715
07889 30055 34957 56927 73647 66315 47510 53921 81216 86045
94570 89869 81363 69361 95252 16624 37427 64526 26868 09600

07320 50197 73838 66739 57148 37506 35790 35279 90160 24766
57625 72334 44086 16391 72676 45754 28469 80599 30895 40788
08537 30241 53811 91506 59549 78015 44611 15650 36716 93343
83604 23057 19862 94773 23394 57690 56216 68216 99778 36140
30525 12231 63759 56450 28420 22236 45783 64972 96683 49497
88153 56827 33631 86078 01062 77078 96384 82330 07190 79131
92894 20140 98561 96816 41161 34568 52472 49311 92996 14985
89537 60252 80819 94753 10263 96305 66480 97360 63086 37312
32232 79638 18965 87217 05189 26777 89424 33782 93710 46314
61304 73884 61025 20647 43245 10384 13668 66942 15288 93851
69763 96470 71975 81698 59959 27901 76006 38876 75815 04756
10597 99023 19243 69877 46898 13255 01175 11343 91626 14383
45142 18689 55599 46681 53679 15652 99226 60172 51507 99877
82636 99537 82071 69234 67548 35760 07663 37265 27258 77287
50770 50548 57966 88954 35717 62280 54641 91146 73747 29990
09209 02324 75314 00905 48708 51074 40870 25293 28018 44306
21344

17416/16341/15824/14812/14402/13491 kHz, 27-10, 0900/0910/0920/0930/0940/0950 UTC
01054 00196 92153 85811 81578 52929 02582 97472 36722 25180
31630 53065 63769 74794 00727 88866 01328 25429 37736 41678
47272 06531 82106 33323 07047 86274 02014 91439 74758 96200
86285 40825 20249 90814 85482 69590 98753 01376 70362 21898
65301 17862 25659 45248 96418 47221 29087 86422 67538 32980
17755 42626 93161 27949 55088 53155 48638 58829 78764 95303
50914 11141 22713 40520 38894 90804 32816 72953 89311 31135
90111 99951 55066 15837 76375 29410 80870 36858 36903 59824
57187 15590 23901 41777 78445 43658 47662 92299 35725 32327
20952 39924 22610 75058 70982 54159 95147 85137 06354 05614
14405 56132 97110 36402 42867 17803 87559 77324 51572 25678
72283 11780 21925 18939 38115 35324 87239 80935 62074 95234
43141 40515 37227 56984 10183 50187 77340 80007 44853 22216
34262 95731 30503 31288 45419 01054 18479 87497 98908 60642
56098 70337 40726 10047 60042 09172 17998 03671 36942 35658
66918 14211 23063 11118 62472 73888 18905 40125 26219 92679
40461 07552 32470 29356 91414 76550 81275 90635 73519 37060
16844 99741 82025 01432 39136 72802 99788 27179 96940 01010
32188 73669 43064 09195 55296 20050 72667 19385 68815 71529
82148 78352 61277 06228 20180 48545 37867 11370 33636

17418/16304/15945/14689/14357/13471 kHz, 27-10, 1100/1110/1120/1130/1140/1150 UTC
01055 00281 56635 93466 90247 84564 90147 34852 67406 15843
41763 95211 63633 41819 80760 33625 25865 85168 12720 00757
25942 05416 61055 97504 67679 89738 71271 49684 85221 57291
99715 59047 69036 12298 12310 71902 20653 69212 32004 22433
99329 46960 43633 17928 81974 72002 19354 08937 98694 19996
25896 56843 07068 94363 48470 54737 26876 59129 25787 00508
13292 40463 49630 10114 16127 82714 26175 51334 29509 08858
12971 56652 53164 90286 01427 78980 61781 43126 15530 95676
70384 62333 50989 65225 31395 42872 51979 74672 63827 57571
45025 61523 43424 31495 09141 58866 97329 33519 01801 99258
45827 68018 79427 89835 07024 69242 03678 16781 92936 69488
92954 83748 43598 30110 30122 50957 89472 84404 78718 73253
30735 51501 87506 71936 63831 51447 13227 21668 81144 42559
81650 28262 41325 16270 49848 02366 82905 61152 58200 62151
39193 35197 81734 94338 64615 61275 17924 13314 01373 58182
69392 12925 54800 28546 68523 94324 80510 07490 26004 55575
56015 82009 35635 50376 87836 64692 42423 27327 80260 27755
68050 28320 26203 16566 34059 95536 69766 93167 07320 02555
33523 99911 20294 22962 73165 68725 73460 12778 47746 55523
21854 75414 35148 02624 06136 57183 99560 31357 06501 99922
18852 90595 33053 73616 90130 41072 86721 38233 94486 72986
24558 87342 00170 23448 22052 56102 61714 12673 77209 19111

91230 29644 79580 24736 05901 92635 93170 23578 10430 76875
95974 38408 86666 07397 83702 42926 66858 46677 32830 32093
82003 35227 18290 74758 30965 34511 75244 11700 80571 50032
95467 86887 54146 87388 08691 89206 11014 08317 67714 97494
47900 63142 27803 17611 77010 86148 00676 92771 39744 79124
89243 15037 79842 45116 37107 56003 11353 04821 93769 71389
17390 81470 43006 41522

17423/16129/15826/14793/14384/13468 kHz, 27-10, 1300/1310/1320/1330/1340/1350 UTC
01056 00194 51924 32753 00242 20719 57337 85579 45510 72160
94953 70469 17988 43074 77248 50097 17080 45040 29745 11249
23834 12485 98998 69282 53147 24655 70684 48242 61560 97010
66748 94345 76349 44432 12336 09236 03267 90575 90367 93726
54150 23376 42136 46873 75841 88111 78647 11973 75797 57464
84920 95735 73316 01246 34882 62333 30418 82640 79604 75585
50033 09094 24019 48499 05411 00607 94119 73555 30738 68012
46829 26503 54672 36017 57098 00458 70348 52124 93439 65035
46006 58711 72444 04095 12088 71011 21029 75103 09549 50002
78817 20625 10971 14781 43693 45055 99356 93636 41461 75233
93991 05092 81233 07785 10635 58418 41063 37298 44147 34424
91984 78292 89200 14569 29578 91320 36649 19923 36410 34399
79577 19016 64006 80735 89194 26203 15532 39890 92323 12042
01100 76710 10662 18205 71042 40914 77476 64659 93459 53669
29947 83729 30955 75123 58017 00524 31424 96401 85201 52372
08406 79433 57226 07062 95655 74974 41085 00498 18589 84430
42886 01172 44973 32105 33324 15273 67629 70994 43525 88663
13843 71988 26462 82740 04451 95846 88059 88881 22717 88669
94777 09129 54687 39951 03635 21666 19484 03600 22549 96067
99827 76878 46069 09029 10782 28775 01547

17436/16128/15821/14788/13496/12184 kHz, 27-10, 1500/1510/1520/1530/1540/1550 UTC
01057 00165 29484 30760 16214 24491 94174 09494 26149 80107
26700 39116 98171 40473 96656 51537 17905 69500 54889 41111
41344 54618 10481 94774 44134 51762 83978 12309 15134 57514
07276 32854 66017 61473 84889 81624 32387 25453 96039 21934
34948 24688 76949 34712 84946 94348 16930 31920 86303 42224
02838 17353 45864 62747 43122 09371 00110 34709 86625 64451
40512 81865 94359 68633 72830 93844 73098 36698 55582 15031
19150 92451 73459 32955 06163 16655 77667 75768 09827 49785
34832 52057 26004 72908 54676 89922 86989 03269 18350 75518
81513 97676 38826 31588 81420 53081 30327 08316 61880 91100
21249 80231 76337 71271 23074 10386 43892 12909 56584 26466
31702 24341 24882 36839 29618 88453 55860 21451 13956 82906
06855 69829 18347 80062 33517 21472 53624 41871 51533 53080
86327 69351 13887 18725 28535 54600 75718 54732 49833 44290
46029 74079 46683 91882 43816 57172 72794 01986 01969 92965
97220 08876 94358 78972 84244 51419 61883 96274 37754 01602
56760 02021 61374 03503 40138 62350 10453 65667

17429/16107/15928/14737/13911/12138 kHz, 27-10, 1700/1710/1720/1730/1740/1750 UTC
01058 00168 32341 52297 24858 17249 40173 89791 99087 77893
16197 08321 29697 67619 07488 60558 99431 78103 57497 43364
22425 81282 30778 00359 28852 79622 49812 23074 34290 32155
38862 69105 64581 31103 36224 14458 97572 71891 88120 20786
98017 02899 09579 66254 74443 54935 37177 74249 80960 79100
46524 22307 81604 77324 01338 19426 81720 31981 23445 45234
67435 17099 55500 66932 39030 47090 43738 98592 31395 93029
62984 27539 89982 36710 45345 19525 71702 64522 25915 73915
42445 75562 42112 55188 85629 16554 87500 87256 29764 16797
32737 65590 48446 42885 53349 80918 47397 42646 27224 27352
11196 38583 42854 87930 16116 18984 32324 44894 31978 81812
47723 17197 06066 49528 02789 91872 74986 00312 81301 22475
59589 56481 68827 14597 60291 97392 79092 47097 83359 64426

72126 29056 37298 98561 62719 03861 32708 54181 39071 66644
84229 42605 55277 47951 69073 15539 59524 98916 40095 61476
05931 47084 61344 04748 67762 54713 69754 28256 27638 18722
39890 85225 61534 67551 09685 18666 79898 07504 86807 98926
53662

15804/14918/13494/12182/11163/10563 kHz, 27-10, 1900/1910/1920/1930/1940/1950 UTC
01059 00293 88676 31966 54461 78808 28570 76347 08897 76744
54864 19320 26406 97614 02865 44808 82523 41956 02230 13232
22118 07314 42983 87912 70170 88220 47925 03532 68326 58799
54100 75214 95817 45888 26929 34985 06221 28194 89570 83909
06496 66433 94756 35726 26753 02354 46460 69432 63328 54717
19926 29517 32130 87676 86721 06788 52557 00764 61795 66239
30882 25037 08021 50096 22643 79649 23501 80517 70685 67878
38586 54329 52384 18320 06735 55683 12556 07256 61158 67816
41760 78492 40203 13608 38873 24582 43083 08140 59165 20141
82427 05457 66397 23330 53026 81457 58411 44660 13082 47103
78851 65941 98746 95448 16130 65595 77131 13810 80940 31037
94230 45300 39604 93978 24479 52389 84833 94411 11222 98060
36565 15361 21351 50544 85450 33129 87930 29054 65293 25276
97270 67895 94172 14055 88963 75818 79744 44753 97477 73277
47450 29273 27199 28128 25909 37127 65851 72418 98850 00636
96623 63998 33437 15021 10538 63490 44589 48202 09998 82999
77663 48077 48516 55663 33765 26335 51126 25549 05014 48659
72644 40079 96933 37944 50609 07292 88160 93222 24634 48323
67276 15512 30202 64656 28652 33271 34457 79151 03516 25473
31228 31542 34755 14477 95612 99371 80755 71534 94361 99573
85999 40302 67403 50190 27991 56544 67064 95492 64410 03246
75328 51366 23567 61674 15722 62151 17874 83858 27011 00493
91876 71974 22032 79540 17431 41102 05323 82456 42331 51237
26535 16625 98859 25060 62322 26974 48108 80010 36665 72107
66206 38964 14740 00270 50143 79860 07974 73080 98753 33460
81496 96895 44523 93868 07697 14025 18269 87861 32759 86888
51220 84607 53160 13173 76709 58702 52506 98506 99350 88747
14042 37862 47193 54903 34285 52911 57233 21762 29397 37569
33127 32242 83701 08870 69739 29638 72101 04990 17362 48297
08705 60245 47251 49776 20886 36243

13411/14411/14741/15821/16142/17431 kHz, 28-10, 0800/0810/0820/0830/0840/0850 UTC
01060 00222 59838 75160 12871 13691 27492 13413 47478 40546
71649 31496 63166 43329 19054 25281 66867 26768 55350 74315
59475 20193 94047 27177 78654 86724 86714 43512 36413 21031
98998 13438 46680 95993 61912 08119 26169 58286 38802 03182
19719 76485 86709 05412 28700 45507 78755 92994 12741 00141
84467 47704 08774 49637 03167 41725 54097 32660 96504 26045
26975 83978 76999 26447 41547 58210 84815 67172 81416 99934
99111 08580 87964 52168 54595 82988 33482 88635 98476 33147
07969 93719 30770 36272 36563 51293 04663 97041 82825 20186
65020 93507 61780 02656 76205 35740 99485 60262 63863 70488
60691 11582 11577 12806 01029 75886 59738 56605 95041 20177
08243 65460 34183 63357 18176 33255 53206 40727 89883 90252
53547 87773 74345 61229 34913 05603 46798 75308 75962 18855
83502 73219 24772 27987 72454 96385 82141 17965 35242 60675
91553 48057 02000 72648 11943 99559 59324 98422 94479 42949
82532 58758 70378 73609 16941 72917 37235 50347 77892 95424
29087 84429 80642 76185 36674 35023 40688 06195 90901 21790
51113 35241 05484 29207 98697 05490 85773 01697 49285 35353
46277 48375 80827 33012 36322 24743 02841 51161 11046 99536
59149 31793 40071 39816 31588 07124 67413 25813 35973 76919
58870 53128 07520 72688 91835 47290 53274 41170 74910 11450
87142 35537 01062 42538 49147 80710 03601 47629 39863 11931
32182 89525 95147 91363 40202

17421/16327/15833/14958/14528/13961 kHz, 28-10, 1000/1010/1020/1030/1040/1050 UTC

01061 00172 12096 88210 37485 13557 64006 15751 04364 27869
28387 96223 12330 25270 78890 72986 32161 41650 58883 54787
33843 49867 76385 50872 12789 56729 75909 77452 94624 02802
61147 30294 60863 45169 41139 31345 01582 24429 70008 30659
53556 72771 11563 35243 17696 56625 19090 30989 66783 08067
95268 06030 31390 72612 36879 35884 38860 61222 75421 80755
37646 86553 21125 00561 66721 98091 35360 67159 84130 47544
71403 07732 71640 28223 01230 61070 38304 41142 33176 56162
37638 44920 10658 86456 07532 55117 98903 88250 08290 05144
92484 40359 49007 89251 93012 67002 51645 10001 68521 19604
21264 51930 46857 19248 36763 87536 34387 03166 71381 75807
97689 97717 28045 19258 43116 92725 75893 34668 94028 11604
99187 47108 58868 78986 55059 31044 58724 82388 35210 34226
09424 28302 72619 13572 34897 85707 98061 91410 49693 19985
20729 95736 16868 32482 07453 94765 12313 28648 46134 00286
91108 16977 15971 56917 20415 73053 83060 67860 63087 05608
28811 50888 67954 37155 66382 68386 25087 14473 84359 57408
83662 83382 83863 63033 53635

17420/16266/15965/14963/14376/13472 kHz, 28-10, 1200/1210/1220/1230/1240/1250 UTC

01062 00253 53616 96496 86312 24174 28619 99590 32578 57949
64827 11087 38507 18109 05676 30248 46244 22695 11449 48939
15229 80939 30227 19271 31623 09946 40682 23528 39278 40754
27708 40154 22355 47547 59386 87842 75393 42699 55764 32756
04320 31979 08182 25955 79943 69460 79333 37151 40569 50900
99541 72194 35908 09535 28027 60404 38509 34344 64872 76365
83490 05090 60312 91822 30240 24672 88731 90958 58721 17833
54854 03545 66929 78691 44619 83249 72757 04271 39327 62162
30612 03530 82958 88376 41212 55513 04245 12819 19520 98981
49333 41048 77825 79398 49265 99228 71666 16358 95713 55270
80728 88373 78429 22735 96045 95996 05264 57216 64915 44777
87645 34237 95016 02710 45752 79960 22130 71934 50610 74726
20426 75911 71438 59738 68499 13805 25718 87530 29426 45389
11582 56398 08556 84055 81433 42238 25100 60222 92330 45214
50248 47028 47903 74742 11336 15095 46030 75115 33646 69303
77097 99731 65747 20986 34844 04816 16935 18691 54235 82239
70278 17733 27789 19525 33194 31246 25680 10961 21276 03513
54859 61907 79603 05395 24478 73397 28008 96694 48402 53404
67774 50601 53883 60121 68290 11850 90650 87569 49211 76616
25303 06409 05987 10090 74935 32515 19239 28378 41547 80088
89413 35068 53839 30132 14444 15190 20127 60351 96507 61446
76807 20239 70288 00831 14465 19676 63848 67666 51233 21344
40595 38110 61749 44658 78209 48450 55919 69513 30459 91961
54157 99628 55146 68312 63990 32705 96761 23751 45677 53100
91721 30298 91060 87764 99808 05064 36119 05156 95623 55259
68666 51571 77143 20203 39493 07700

17434/16076/15981/14874/13993/12212 kHz, 28-10, 1400/1410/1420/1430/1440/1450 UTC

00063 00161 14030 34827 68834 68806 55637 18158 42489 64506
60303 63387 51182 64720 88814 20278 79376 73670 13603 23703
59605 95217 52794 03238 24810 91662 55048 75644 93807 58067
66007 70381 20524 50855 33392 16247 93739 24919 59547 26648
34468 04953 71901 56519 55141 14332 31537 28881 09706 31031
57554 98220 94454 85443 01908 25482 54935 10802 10117 77270
14757 79992 24351 83320 87489 89932 52873 01427 41328 72566
26537 54456 14123 86953 89233 54651 23316 96274 48096 10477
60125 26167 65938 62775 01612 78795 76925 35080 48946 07909
61310 82937 14802 82275 11890 54474 80601 88579 68029 65207
61458 30109 87552 37138 04494 03098 84097 07501 96208 47256
02166 58660 62704 99639 17145 88589 14054 61574 81708 08683
03007 17792 52480 33419 00255 43598 38653 31846 75063 34759
74048 34735 27244 82887 49017 30015 38613 28799 58281 98513

94697 69423 38871 01689 05742 02649 20233 15162 65130 23299
40420 19027 06871 60335 52200 43665 77628 54133 25882 60894
63443 52250 32437 63235

17413/16111/15902/14666/13423/12212 kHz, 28-10, 1600/1610/1620/1630/1640/1650 UTC
01064 00268 69778 71466 39180 42204 32340 18055 94106 85592
96537 80760 61550 55936 75233 54751 84942 50160 45297 91039
72477 56240 07123 64327 06325 81492 94411 50134 74343 84091
69648 64072 59026 49005 80626 16097 42026 90218 22137 50916
54884 93594 52338 27856 16879 72473 89902 09623 94542 33951
68405 03790 78541 50556 18925 44494 72177 05450 65141 57686
47792 82205 43710 10015 15943 32464 21734 12545 75309 59135
12725 94723 28022 94379 36154 78882 03901 79266 47448 33850
91588 84788 55590 40392 15685 65857 85530 08469 30079 36131
43918 36576 25077 64450 03124 72678 49883 42323 11912 84413
50739 77357 34312 35406 21225 73681 75767 84160 14402 40042
40592 92910 58000 31290 66096 63002 26614 03318 94328 50084
46933 13264 82464 39178 15217 76148 69645 63570 91255 63475
28999 61577 67353 63034 83110 14230 50475 20183 19166 42002
90089 01369 94066 90036 95537 51007 78574 93785 98352 40120
46063 46564 47993 61827 37480 37474 94892 95133 20189 45076
04035 12196 92904 50926 11042 79014 25556 94965 48179 51865
12527 06431 84151 52325 59994 45563 19197 92427 43639 64208
97572 75859 65217 51134 17411 82433 13583 05526 25554 45635
19337 55341 99992 74088 37967 77892 08464 43139 78993 16522
25450 83608 45605 46486 27593 39632 62412 95666 01832 91915
18277 02464 51493 55980 47502 28175 46978 41770 33514 28608
65430 20030 69411 02543 32527 57185 06437 10062 14358 82100
37099 76056 13434 27116 38757 13964 30253 18730 23540 77778
20020 17915 03693 33637 27358 16873 03847 44012 26586 09791
30914 66692 09625 50384 51091 05420 14197 43062 13958 70406
33194 52350 81308 19730 54816 42219 89029 24376 17222 33538
53221

17434/16216/15867/14541/13508/12166 kHz, 28-10, 1800/1810/1820/1830/1840/1850 UTC
01065 00167 75547 62899 61069 16402 84906 22448 82916 62975
05251 60439 96713 49783 94553 51815 87850 11368 47619 98206
15634 52883 95516 97041 63041 61781 13025 61009 26883 49255
79060 00864 05490 21321 86974 49845 25869 85112 51215 31831
34263 42582 60098 21746 01076 08351 82122 46019 47206 90654
84075 84975 61974 37083 61078 52157 16450 78504 99857 99287
03376 23897 95564 33661 83914 04386 54948 75392 62807 44708
25946 02738 60151 15788 63942 73050 92783 73769 95965 54689
79657 67005 13802 36228 65179 94084 38889 68406 60241 34817
33295 47363 85253 51927 28454 10365 47017 26437 37830 96689
53401 06730 83210 02497 64708 81337 24823 46186 73139 88027
59372 42679 82538 45168 19629 36369 10094 59336 68481 89828
65496 86541 15151 27990 11313 78581 17483 08224 87332 53576
26033 66346 35939 99275 01287 72927 83794 11305 71519 83840
69261 92701 95265 72213 74444 90714 64824 40085 32297 92084
00271 87679 57954 48000 31192 66859 91577 55220 91183 86125
63854 16598 58853 19563 61993 93024 06740 83262 43880 27021

13479/14458/14968/15963/16240/17412 kHz, 29-10, 0700/0710/0720/0730/0740/0750 UTC
01066 00272 70247 51197 59735 85773 27142 34307 50009 37705
30887 37102 33145 80822 34304 87744 33782 22031 67827 21667
46063 86833 56079 74911 33388 12454 61024 78737 94388 34149
04468 58610 69949 59733 15352 66076 24583 51231 02807 59393
48052 86295 72077 74009 63946 96335 64473 73970 85232 92351
02565 92159 41895 76905 15953 76028 25912 95335 17809 47281
23749 48404 39917 15860 33236 72276 67151 73411 65469 68227
63160 82549 19223 08433 73613 59767 14756 82068 10964 37052
47978 87052 93504 02037 31583 12308 16715 93043 43780 39323

40163 29246 33422 55525 34644 99647 46377 56116 40773 91669
29184 91061 08501 17004 29190 20014 72936 33461 03291 56185
61271 43843 84371 80755 99300 37695 54899 37879 84275 20928
55561 74106 29630 26145 28063 33913 49127 63697 73787 73965
13389 58538 41295 19294 07868 56917 78551 76499 72845 11569
39371 83252 89752 87594 78050 96319 44874 52665 56223 96948
44747 08498 71940 19845 36108 55076 61431 82354 88939 95276
70885 09239 59672 29325 42795 02733 02547 65077 72887 42383
59142 78398 65033 72705 81556 72307 84353 42034 48094 31743
89037 96460 07473 76838 29217 04891 86597 21450 83184 52790
95485 96196 87558 77568 40682 30131 23579 60427 44798 75317
93771 79796 79776 13839 37805 66348 43463 99233 38287 63799
70722 19386 34260 57196 06238 74423 01765 82832 00107 37904
16135 81096 81891 20097 46897 62945 90739 87464 32022 51424
48727 23926 97235 72775 37970 09240 16683 93633 39033 62868
61426 87362 83161 19384 82067 76088 61936 30362 71329 66258
28366 40745 60319 06893 59182 12674 97904 59679 66941 74859
75508 55998 67210 86862 15072 46796 22159 61483 19225 96996
57739 08131 43799 37238 36672

17416/16341/15824/14812/14402/13491 kHz, 29-10, 0900/0910/0920/0930/0940/0950 UTC
01067 00157 82091 73612 73321 59135 88210 86529 57074 79673
25548 79814 38084 18872 12675 24589 64142 95513 91100 51307
81514 04536 38382 34541 15031 12664 18861 81953 21273 34136
35419 78074 59167 28761 71839 61251 28470 60206 92556 90108
53878 13216 36931 52467 34247 20541 31824 37400 86319 10150
30743 95720 34886 28286 88252 58947 66881 47550 58580 60657
40273 06257 65255 22937 44254 47472 20646 09323 47032 51422
96118 03936 02956 00991 97428 68298 67604 85913 00293 94489
80838 81460 95632 11123 03392 39698 43188 30880 40507 12892
94369 80919 01626 31898 49834 47621 47959 13993 08213 86773
99893 22500 90367 34896 14031 26807 92763 33894 30857 19954
91342 80966 47256 64089 79817 58812 10623 54132 19545 04556
04284 89764 68814 34139 57052 15199 02310 71056 51156 49807
20338 53610 77700 13519 94595 58338 91092 60736 97090 76583
46933 09294 00023 20553 21548 13403 33662 37535 52080 91021
36998 93825 94447 03656 82489 10128 53685 56227 77843 24657

17418/16304/15945/14689/14357/13471 kHz, 29-10, 1100/1110/1120/1130/1140/1150 UTC
1068 00219 24758 81226 34949 74316 06802 65086 90190 14261
56417 64038 46711 55423 27867 48537 48250 32717 16783 24860
35119 50238 80506 56024 29314 35200 85746 34048 88478 24243
88274 74390 23377 46629 87894 90740 87176 15638 99174 16788
92212 57771 12674 22947 12152 37995 58156 80280 64109 39942
13162 73843 47070 83765 14963 22254 65679 68732 51912 99748
88568 72753 76606 65946 25986 82025 40660 00082 67527 37125
61359 32612 33542 99993 32647 77346 37563 57559 43872 91318
77042 05466 69937 48535 11081 14430 27319 39611 31665 65639
25061 18444 63725 99424 28218 19458 81163 46727 96960 30125
97333 58073 12752 26984 78582 80549 40301 47076 51117 37615
84690 08120 24860 60592 22706 83102 02815 28071 54865 11555
54706 01049 68415 01887 12064 42915 68885 34116 71775 13189
96182 90834 60597 13747 93983 18968 92712 42953 69952 30530
74127 80242 88493 94049 80948 16940 93583 03132 76718 45114
16643 53092 91861 85404 75417 96284 89657 10864 14919 35666
11663 06184 75299 37928 41432 93854 47522 11112 66607 03737
90388 59860 58117 24334 37426 74463 12555 74365 20938 95123
49331 65753 57397 26660 96544 43089 98972 75191 38328 97698
29310 81847 28033 34286 18866 67943 04942 50564 52617 87092
69417 82470 36523 72981 54724 56781 94973 67526 47977 00954
83729 15291 89925 19795 86333 45909 48786 48639 41382 98341
94881 45645

17423/16129/15826/14793/14384/13468 kHz, 29-10, 1300/1310/1320/1330/1340/1350 UTC

01069 00230 29352 83794 17066 45880 27315 61565 94769 63534
26527 02880 68449 89353 67916 27864 22499 59406 61397 32046
95666 28613 26634 19455 06162 94797 40886 73375 53908 88161
41441 86604 50807 33108 65958 17528 79978 33069 62917 48995
66229 68096 17024 18091 68161 51709 79428 14197 88008 11958
16203 12443 70175 76684 52555 49806 27024 09897 77632 22267
04993 53939 07657 06607 22093 39922 52072 35340 23394 50387
47885 89429 96487 12402 65816 27569 11589 08542 51293 54451
15369 26688 85365 41949 71958 28997 16428 74121 80551 16152
90502 70081 55436 40650 44001 12289 60439 10417 95996 28238
99636 44087 90802 37620 64071 26773 15954 57773 10868 24985
38217 18481 58602 23180 06897 78303 68572 65706 34647 93095
23493 77949 54788 07242 59884 77803 33993 55837 68400 53526
67129 01172 12544 23054 54813 71281 35885 47744 77877 45185
13042 58653 63252 55565 77933 72020 11478 32255 33752 65696
43716 94732 75768 02901 04744 21687 89297 83559 77735 86267
92778 60116 89371 57341 57855 37044 05937 35548 68365 35615
42417 20827 87827 89461 80052 64839 14696 99221 29307 87862
66325 01737 22084 02704 09810 72395 25403 09642 18309 33126
81982 52325 70008 91609 52405 52925 69281 05911 97709 40889
66083 75929 63889 98136 23278 22888 06904 86305 22848 39904
06990 90075 54252 89871 19941 91041 38031 86667 47531 85458
11641 96293 17238 35238 53631 90091 50818 96217 37056 27126
95556 08785 57622

17436/16128/15821/14788/13496/12184 kHz, 29-10, 1500/1510/1520/1530/1540/1550 UTC

00070 00280 42699 49619 85533 99962 44431 43320 25594 78566
47435 81544 50302 87654 53800 86609 47961 07499 65522 46473
41368 36641 77876 18533 06810 02555 33257 21596 93931 35142
96388 60213 38403 65833 95436 46352 22855 88794 57700 52591
00888 61070 77117 36031 07553 93215 06574 29244 16680 04993
38546 29621 03211 49085 03340 44553 08882 24166 42809 83077
65804 23835 49387 90440 82176 87222 43141 84466 92216 07448
63853 59165 49698 11931 44485 80297 59613 41844 10969 13593
95980 04001 04916 88937 96594 66766 57001 88317 62493 50882
37470 98688 44985 74720 86676 77751 11682 86675 53854 20332
50074 22105 37027 09221 41139 79380 78822 90280 03500 22041
84939 66036 13197 29216 87097 61792 18818 60448 93854 15408
30219 53822 21974 41334 69977 65164 13180 74976 26143 68532
68614 72937 87988 90626 63518 73875 66983 95584 47798 17214
86844 66720 85817 39441 65941 70432 85491 16668 87622 24994
58133 51122 92819 38445 90011 96250 00131 95592 39252 75974
66200 04946 64136 33966 54426 11002 78046 22559 65597 13220
94807 22222 11650 76639 28553 63397 68005 82521 75391 99544
79661 96410 87352 00049 10398 17381 80006 49543 00504 66266
73744 71190 55432 71822 51003 81887 02583 50850 85024 53939
91385 62921 51070 74440 30086 33900 38583 16178 09882 26624
28244 17608 20300 39707 96300 69777 17593 62987 24458 37044
31885 29502 22265 98429 39476 22516 66788 40826 25526 46665
60914 17154 97496 21442 08158 16650 44339 11951 70962 75497
77796 63937 39661 73879 39022 55135 50988 16624 75520 81114
64304 39595 26282 47979 22253 61882 40855 52640 33924 06669
68099 97755 90552 63216 65709 11190 20001 98847 31548 79551
24449 04641 92022 49069 58247 66946 88840 48184 59406 83340
72525 50075 56463

17429/16107/15928/14737/13911/12138 kHz, 29-10, 1700/1710/1720/1730/1740/1750 UTC

01071 00285 89151 20273 62700 11740 60145 62871 82886 34117
34025 91759 53645 73836 35304 40145 96885 57377 37997 22198
82608 38207 97507 71612 36684 84549 70919 95706 05268 38062
91854 78246 23222 57071 23290 91142 90637 62570 27396 44948
62868 26926 57788 38694 60114 10144 33848 05509 21017 34071

17853 96179 02992 25031 01348 00198 92582 17539 83587 78150
40820 64437 57602 44824 42262 55777 68536 96572 50546 44160
49507 34314 29981 93047 49328 55691 80418 58813 11497 26539
50701 65409 74688 70096 20208 85673 75254 98189 55723 23091
98559 73097 78982 49245 04128 08431 69323 12964 96430 04336
41607 37274 54961 76855 84563 83538 66198 09944 75702 45655
19779 33768 06042 57048 27448 75409 89747 86405 24615 46588
80522 70346 40849 27455 45600 76408 55331 80734 77919 40897
86367 67454 62382 07160 84931 13426 10447 97831 86631 36669
29475 65309 22487 10067 03312 64790 67055 21934 21796 28717
18682 82917 88347 49842 23813 71260 96424 27506 31255 08154
28207 85463 21023 34805 59287 52324 71385 98880 72115 14022
64961 91914 99772 87945 17113 15212 47859 30782 24142 80809
09353 33396 58937 60202 22214 03450 79105 12540 83346 13671
17001 82940 66576 78477 08461 44011 44286 87680 50778 50987
83403 68174 49817 07774 63754 26766 83144 00402 22728 08600
23444 65641 03364 50444 97799 94809 26525 60820 12590 55837
73217 58845 15533 58444 97020 82020 25338 21294 79483 73100
70925 60177 80003 73153 87404 41178 83578 51163 96446 95447
20305 78702 79810 74745 90269 51358 79575 16131 79676 13651
17485 83364 75090 94940 77768 34558 52640 90372 10753 81732
01428 61849 20918 59626 37674 63222 85637 30209 63039 57621
11231 75361 64373 17142 35532 94513 79034 40786 68173 45661
02445 09206 41616 65832 55615 87459 85086 47542

15804/14918/13494/12182/11163/10563 kHz, 29-10, 1900/1910/1920/1930/1940/1950 UTC
01072 00289 18162 91800 36609 41312 09106 33639 40008 01078
08120 12283 55968 68876 40809 39451 53572 82704 68850 27517
01594 87402 22709 88965 00549 81521 89045 76401 95754 29231
83973 43115 20252 10179 08804 64271 11444 64503 63509 34103
47134 35499 18022 93403 76852 13258 92133 62918 88223 54128
40418 25957 62646 37056 77004 06289 70594 29196 91251 55087
52266 32704 37884 10776 17103 65004 92029 45788 60072 76536
28007 89068 19195 34746 80382 66093 69379 29304 12112 87289
89386 26126 88177 41626 88812 58015 80468 83195 33174 02514
93675 82246 73251 08421 81836 14429 97613 07246 76299 11848
21227 46345 02845 11686 26120 51348 06762 27899 56672 10910
36908 41290 17084 03961 65700 26139 44526 96257 21963 59086
84534 08833 12614 57557 82859 45759 15817 10774 52909 65953
68478 62133 53003 00263 66061 43040 23280 76490 15505 37463
51253 52569 26523 22263 65605 52385 65162 69289 42719 55696
69902 01356 85281 17212 27313 12393 33730 45287 28825 80360
35531 95987 74988 90717 42430 74774 88285 16821 37898 22659
02858 68034 80752 84499 07833 31964 82309 90350 91951 30474
80595 46526 68053 97212 96050 67122 76850 35790 72949 53668
09310 77992 47664 35143 01931 55265 77580 35804 79831 90830
64098 48341 31391 20060 52837 01867 20602 00782 09379 95347
30083 43379 53334 98349 99763 89003 27933 77774 94666 75307
97922 52494 43870 84229 13349 24865 20370 45609 82567 52566
54383 46505 10518 01120 66375 32254 15135 47992 44375 94182
46519 76068 26411 77600 23584 65930 24657 49313 35378 12927
27331 99804 41136 04524 92907 11603 04470 47161 06711 27972
81495 74992 18213 56811 40963 83577 32860 52214 31974 67509
73868 79940 33399 00483 28787 21853 26083 66269 60644 47418
00207 71055 10230 69640 25235 54577 05368 05993 08212 54771
27784 11104

13479/14458/14968/15963/16240/17412 kHz, 30-10, 0700/0710/0720/0730/0740/0750 UTC
01073 00168 16366 31696 09192 66365 78443 91060 49710 02385
39157 99694 03802 29686 29860 67044 43582 07900 57663 81423
01347 28414 88913 98723 39576 47040 77016 16782 20365 41772
22493 90908 58757 52636 21118 02379 71535 12908 02900 52499
00606 96755 97728 91847 85278 25042 81392 39807 09483 23731

12098 31059 69957 08614 59630 06366 23304 17642 92119 62151
89348 61660 70694 07937 79891 48248 40936 51164 08567 27481
95507 30674 04999 05163 80816 04591 30685 97065 13444 14534
65647 37209 07299 96632 29673 91432 20950 50143 93005 14752
79073 53893 20788 40748 63150 38945 26060 89790 11955 37030
84104 30227 31239 82001 28223 81423 26059 64793 27796 55039
75680 26238 04198 77584 96502 52139 54361 74060 78263 88457
27297 90791 58158 93814 48406 41614 09885 64250 42012 41871
78529 40894 85109 76412 30428 35419 05969 25297 68409 48248
65373 56155 22347 37965 39071 52835 49694 43202 44244 11010
84582 51999 11527 23496 09733 93311 72068 37424 33594 86608
71538 61807 22781 85924 76508 34786 41127 27784 47156 61083
43627

17416/16341/15824/14812/14402/13491 kHz, 30-10, 0900/0910/0920/0930/0940/0950 UTC
01074 00152 92472 60112 93213 33148 09787 94225 80275 53230
40611 13945 77085 40161 37060 36002 72423 12416 18987 78078
57712 67538 46431 66076 85343 87020 31809 51649 14692 98163
70938 85124 66122 22154 94801 74238 20738 12850 12088 22196
64420 69710 98011 02088 56963 53825 12684 52614 34061 04732
14358 09549 15345 80503 32039 52037 54917 26395 74768 06192
01338 58136 79533 82111 82291 55485 47821 54931 45358 62820
15264 59573 00328 96790 13657 88000 69526 44342 09113 31518
74336 79194 17587 09959 83805 61388 69779 85617 90113 42764
19321 94342 38081 05895 20857 06284 90176 15900 19796 01477
06004 57751 07255 71240 89467 54784 09221 18554 66846 44038
82510 10575 17281 43249 31854 22143 40548 69573 98305 20902
85704 62202 64816 02594 43498 20920 21491 94431 75932 07373
97823 53625 24545 07635 25514 16585 71939 46346 20490 29021
52167 51225 18771 46075 60252 08745 77060 94830 74039 98712
65734 20602 17593 98893 00704

17418/16304/15945/14689/14357/13471 kHz, 30-10, 1100/1110/1120/1130/1140/1150 UTC
01075 00243 04641 06359 72666 76236 00269 85468 11143 74759
64286 50093 55673 85691 59599 54033 91812 13272 93331 54024
81019 93435 95241 85018 24562 95912 24928 86609 52716 61600
75980 22202 51391 61405 38721 96242 13753 12528 97606 12044
11374 09958 48632 14132 48319 52785 10890 85396 47817 00772
83400 94163 94681 66571 65987 71799 67341 19622 81795 76752
51308 13659 32751 49541 98777 42083 98700 94266 46969 63355
40280 79284 15665 81286 42650 71061 44802 81109 36699 71776
85022 39530 38791 51944 78198 81815 27519 84819 95417 66921
28900 94130 30731 20853 60735 97714 77206 99089 15353 06235
54083 16622 38426 84460 60491 04116 78498 13395 23921 94925
26996 86231 82921 10019 91729 11777 74866 80805 71342 16962
14564 13880 98848 80047 34454 46148 48552 94810 20551 44935
93854 45712 65756 30464 17692 68400 01104 54329 91452 74081
03317 14124 60898 00492 39924 42668 11208 20711 29123 48957
22847 96399 27747 98390 91669 40203 17772 58377 50006 14342
55562 83686 92842 78985 01070 81283 20474 52457 92325 23328
10673 20536 89352 97259 13644 00439 52981 98356 40123 91785
34940 27840 65687 71592 22087 97453 17965 67365 38793 77488
50627 42725 04323 77109 18518 19630 21280 81912 99420 58639
22194 58750 28384 05794 38284 02311 07047 30486 84745 91230
87220 19415 18254 58219 79401 27721 17999 21249 56898 03616
63318 53108 13664 14837 72700 67946 16212 12242 78740 94013
79158 71067 98935 81482 69591 76188 99454 59892 33308 19775
90406 87477 82618 47562 90266 16015

17423/16129/15826/14793/14384/13468 kHz, 30-10, 1300/1310/1320/1330/1340/1350 UTC
01076 00175 54872 65510 83601 40561 02090 10997 23368 85422
72831 26583 51631 55280 05062 47452 88818 86489 32523 80837
78026 94768 59554 29459 56533 33219 22455 09199 47850 04331

99728 07516 23560 09132 48810 21374 96210 14448 93911 01242
75614 42245 52429 80057 01995 94331 40184 87784 57011 17664
09810 48371 82988 37019 52225 42691 57704 25413 08977 50381
18105 92890 63146 19036 85692 65314 03023 42498 06469 83686
51240 74369 92576 31281 05223 35781 42339 79496 27463 62200
93033 34670 52187 30186 94520 51357 24527 86539 56906 06119
63669 70796 05471 43529 83135 82722 79097 33392 94363 36679
91308 97684 81314 73323 66422 35439 55793 51707 31795 16443
00352 78206 97949 46775 57347 83434 40703 32959 24515 34334
40787 16482 85591 00350 20016 80443 68898 49046 48144 22500
56682 08946 85131 90783 70891 95348 53355 78862 63762 59080
95562 72818 54744 40462 05766 85462 72846 58694 86181 99700
42018 46138 08877 60028 95890 74825 12092 80963 53306 85978
66540 06747 03562 09295 59760 91405 93073 07165 75883 61997
30079 61840 69196 65434 38771 67968 61737 27371

17436/16128/15821/14788/13496/12184 kHz, 30-10, 1500/1510/1520/1530/1540/1550 UTC
01077 00185 33313 18087 00453 75311 19641 17005 43764 65521
58342 14106 02570 21318 50437 36493 87906 96454 48892 84956
00679 50613 00779 81120 54234 23705 25304 78596 41950 51720
92361 91111 52524 12133 92694 07866 33390 76385 13623 43146
38437 22208 29174 52034 30763 65520 23416 06621 08362 06499
33972 62146 82179 32491 72376 74208 22647 52192 63852 76746
50007 41044 75054 92042 73159 67229 61581 90436 28623 42571
03102 11521 82830 05745 46519 78470 21439 48743 50357 88713
00289 18682 70234 35450 17748 30214 08932 20032 39755 18485
85218 81197 12532 36876 93138 97391 47153 37130 78874 63532
03938 32979 77997 65789 03397 22451 79314 76434 85970 93905
52769 73902 01834 75138 76457 31325 70808 39603 74294 42944
58297 41548 50680 10137 57351 21903 98987 45954 12606 49127
31317 84307 69868 86823 84774 67308 40684 04444 32052 95295
50899 32496 34060 45849 65715 11315 79363 37393 60418 61813
26582 07549 62835 35929 05235 62389 82297 67860 08438 81493
23462 33360 63827 36843 62587 68461 04033 15009 90363 09148
90639 66364 07550 78998 92044 25800 07487 04831 44421 46036
42539 61594 85534 50792 22544 23768 21472 15275

17429/16107/15928/14737/13911/12138 kHz, 30-10, 1700/1710/1720/1730/1740/1750 UTC
01078 00217 63210 05613 73926 50782 40476 35060 72096 35420
03462 56865 55328 70705 50057 69555 97686 32723 15118 41533
04369 41447 76050 46347 87934 40406 04542 48049 02741 94372
23908 24978 55437 66476 64086 94814 79899 62550 51833 76081
59413 37559 43484 05185 06881 74353 42635 22491 88714 55247
44127 64037 55217 63938 84497 54529 68920 16862 17677 33520
46239 92426 32319 77723 11512 78482 01427 88850 06619 55242
89655 35135 80888 39035 82118 66809 97961 70865 39465 13580
97770 82049 59334 47492 50245 59869 69759 91498 81978 09556
25893 63036 44872 18313 29842 66986 05239 65759 93671 28398
72925 53783 15872 33471 65591 08991 83148 16182 81818 17687
56566 98054 77395 04096 35748 64188 33091 84825 27478 51641
08722 09927 06872 97061 29348 26618 90261 62575 09193 15132
61569 32202 77192 11067 40654 43986 66177 25862 81900 41253
76720 53577 09680 64291 52989 27838 85640 40775 82563 65652
33894 20413 38281 42029 19675 62997 46911 18809 04123 38972
18729 20572 06988 66685 56116 24364 20861 66328 63441 91761
98010 07229 02925 86223 74920 55143 00247 42580 44072 01510
40977 49485 80010 43539 81237 41156 93919 35162 91390 77655
97073 47367 21739 42927 22524 56147 46589 42993 08174 28624
06976 19311 77333 90801 67641 26664 17487 52056 67108 64531
62750 04331 74736 02613 97994 69242 40561 63447 85447 20222

15804/14918/13494/12182/11163/10563 kHz, 30-10, 1900/1910/1920/1930/1940/1950 UTC

01079 00251 09101 84099 17294 87288 12730 46344 81980 67593
48041 38279 81884 10021 81614 70420 82547 99033 03292 12306
48760 09470 12118 10866 05548 11354 16373 65145 64911 09260
54037 91625 30424 26702 93493 52614 11107 42796 15101 83791
25810 09963 55835 42992 21108 60316 39833 09647 92573 33875
76709 39537 27961 55148 07690 72786 55815 98234 78550 05940
70914 47583 91429 72720 13555 56414 07854 55181 16527 29000
59313 39750 83932 19499 86494 38796 53633 69125 89756 45231
71519 06725 72571 21038 32549 14500 63664 75275 19012 20706
96797 12872 64244 09161 12876 78225 18533 83114 29436 64692
52461 84650 93119 63573 74561 36958 55604 08461 68652 68882
19153 86688 08477 33319 34419 64189 75511 70391 40170 99053
92749 32578 36169 95819 32201 46441 75504 74770 06622 08269
20263 70518 39688 25063 92768 86868 13504 08997 46475 95590
58894 55203 06623 50118 01553 10108 04394 30924 74741 48686
03214 48140 42943 30382 71942 19883 48481 97299 31372 28119
61452 80832 00837 60383 48628 48633 47000 83412 40550 47549
50584 66014 23915 44579 40158 37546 25954 86049 94266 22092
42046 44579 00029 57934 05054 72122 27575 09306 53120 72885
38387 16304 77624 18356 34138 78061 53364 46239 01490 52918
63107 20980 90373 27191 98101 37199 24224 98362 90222 34396
93927 62430 03033 09279 86072 16872 80802 43903 55328 76505
21058 37693 30292 67664 09162 34279 88388 05559 10441 62096
84181 79714 84559 41347 58983 21066 54205 72837 59832 67854
47898 29211 19083 18724 78956 75955 13271 68344 32282 17265
97257 09460 90909 54221

13411/14411/14741/15821/16142/17431 kHz, 31-10, 0800/0810/0820/0830/0840/0850 UTC

01080 00261 25893 22450 05835 00011 01800 47264 96755 61998
86001 84744 13186 05685 35069 18829 34819 04939 06841 16018
43005 17381 61038 09436 06035 31215 25993 04962 22926 85705
82196 79038 59437 22779 45954 35375 03069 00207 08836 29972
64570 13850 35092 69156 81004 90534 64169 42108 54978 99558
83276 93377 83064 09185 48228 61314 13363 16456 16415 74619
74017 96837 24338 11050 79800 06962 25306 90406 59730 99693
15759 34612 96101 76868 51446 29155 82287 91881 28431 15499
67045 83883 49982 23366 02428 88817 95972 50252 74549 84639
22011 86611 83790 34216 55953 67732 89511 24042 89354 74041
65227 73762 82377 55284 83798 48663 97275 06196 57737 19073
79025 21481 88024 00915 07574 90132 46854 00971 08621 90982
10988 75052 15856 75089 77681 29146 50821 61885 20914 83713
39642 58245 02526 54388 50270 93281 01506 94697 39567 53763
91541 89776 92514 55475 05613 00530 98586 82875 26642 65819
20878 88540 15420 98371 63053 90173 57905 07287 77601 54651
97841 35390 85280 74023 79430 20780 18954 33635 50643 14291
88626 52155 61403 54857 99439 21211 82537 60379 69476 77150
30559 67944 35242 55093 62834 51100 42824 04153 91334 60095
35375 94217 17095 84914 55921 56151 04495 18491 76044 84831
81575 64950 32231 12351 77192 68721 27137 60562 98931 41842
07636 97525 37810 00451 24092 29897 00147 30186 11188 28329
77954 14800 42300 90546 78914 94408 35060 76488 98934 43288
16715 64046 84334 84643 95574 65608 35712 22891 77900 94112
23963 82261 05221 49492 52459 37849 56407 16644 60821 26023
56003 74307 07302 47714 06876 66774 22650 41684 33435 82782
33660 50648 61626 52376

17421/16327/15833/14958/14528/13961 kHz, 31-10, 1000/1010/1020/1030/1040/1050 UTC

01081 00170 17386 06557 52361 16288 86127 09205 03505 01172
07582 28972 03307 78746 13026 36579 28975 13983 60853 08840
33894 76796 40979 17062 31229 72148 47292 56365 10466 65716
25637 56754 96260 58629 62361 57831 00145 67468 72134 40465
38715 26775 10461 44466 40650 46018 48549 72401 47080 00818

23402 73904 81606 17420 26516 91948 72486 00323 75326 80212
68994 29762 98737 37787 75534 50826 32710 44677 16384 55193
36434 61506 41848 20388 70124 07119 66335 96512 76411 85209
23598 74890 09284 09648 42314 51732 75146 78839 32113 70412
85344 99820 92140 91921 71469 08952 28036 72673 68931 89822
13307 03872 56016 91885 64382 61894 32055 61218 47295 19396
25613 75972 23911 90115 56613 94102 20477 89089 95471 23802
75679 53869 12563 45971 69847 36612 69364 49926 48917 61171
79081 93660 27581 86587 71901 19726 18873 17397 45264 80418
19676 13928 31544 12716 44799 09372 75908 02024 35307 77365
88474 38946 77200 45128 14143 59437 91307 10045 22037 27770
92528 82128 12300 86123 40313 31951 48390 37323 18213 36886
75229 03079 35213

17420/16266/15965/14963/14376/13472 kHz, 31-10, 1200/1210/1220/1230/1240/1250 UTC
01082 00231 21700 28398 42300 53495 33200 92848 42242 21453
86001 54253 31571 85670 20139 01161 59899 55247 99354 82799
15906 70431 75407 91636 42726 65310 07406 38042 03759 26768
42966 49253 60421 83421 69840 91052 04070 27427 04728 62868
01111 47406 83691 60757 87426 04442 33778 01658 13816 53761
23416 11963 37879 14335 32838 98244 78680 30062 85671 76988
46089 95157 89089 15473 78485 36748 93830 48149 15830 29086
97089 32471 50519 36485 81687 68498 86739 14649 04210 38283
31531 05748 24225 49996 03352 31003 11374 46086 50582 71594
12371 74006 41755 27739 16779 05952 58315 68217 82270 50678
10611 85628 85826 84728 56670 90943 61443 01393 32646 64339
11505 64030 25852 47387 45457 40340 70932 39092 12121 47482
25373 47744 97566 44235 16714 23083 90715 22779 19706 75734
10182 18521 32377 53531 27672 45902 19920 39495 93324 12408
69559 09980 13439 86242 60089 48340 48154 94367 82281 76438
35019 19222 56095 34788 25304 62866 88060 41591 68014 33587
00227 38663 81686 56910 54156 92982 31653 72319 19715 99553
20419 31437 45767 99712 77922 15393 34305 11324 84145 68373
74928 96346 40497 43266 40715 90959 62424 97588 28227 64805
57840 78328 71480 59737 12180 30895 28293 56527 32086 67105
16687 75833 74652 82726 56018 03582 73454 56382 56865 09911
28561 76736 57445 99639 58658 03879 98164 38419 16195 63195
30557 34063 44092 54908 41713 42090 59955 86029 87532 47026
87098 77776 79236 03714

17434/16076/15981/14874/13993/12212 kHz, 31-10, 1400/1410/1420/1430/1440/1450 UTC
01083 00253 79205 35505 12990 02769 62491 22125 04830 17628
46012 02729 62028 89873 26641 56991 16823 28183 57647 75649
18635 86804 09548 26771 00792 38249 97435 06622 95125 90060
27129 56029 44104 68766 74282 18825 86117 04020 83454 44606
50264 21476 60136 14673 28207 33255 98027 39748 52645 89448
28104 81804 60882 32841 88230 75966 59434 52433 34712 74739
05332 55868 26998 14768 90498 89982 58624 93260 15581 07816
70873 12801 44728 13030 25384 97157 26668 94874 98562 67536
40221 57687 53976 05676 61956 45324 94036 11263 70535 98314
59389 33683 69307 08714 39283 94395 84476 35367 24173 38224
74630 04766 24056 44828 18575 05302 37075 48961 07456 01072
49298 64559 53869 67175 34518 47644 01892 21322 52810 45174
95944 47361 22725 17276 48425 37189 43493 36013 73745 30988
02681 81299 70700 60338 92904 35454 33530 09147 87100 46654
08248 45075 03806 69462 49006 94829 79812 02132 74194 91638
92502 73154 92556 78998 42278 27269 82040 06880 96402 81384
71808 01062 75214 76467 98390 67998 93857 93530 74269 99063
14113 92743 33220 06156 36926 50868 43555 53261 68258 53584
57376 41360 61817 82106 38484 29525 88741 90700 18058 65635
53412 26649 12744 05715 74844 07185 69858 27337 71071 81017
00972 86281 27861 75130 77523 99758 38933 86399 42070 91408
83713 28778 38620 42807 24008 30447 39243 83107 37982 68864

79255 02155 75470 08634 45650 87464 79999 28505 31310 29740
81008 16207 82088 87240 52622 71093 13499 86686 04583 38725
90590 02342 49628 26650 80820 24633 88027 69935 81705 44397
67941 76751 89354 02206 01762 05434

17413/16111/15902/14666/13423/12212 kHz, 31-10, 1600/1610/1620/1630/1640/1650 UTC
01084 00283 65506 73914 18042 58319 14612 00927 48808 29762
94038 04479 42969 80226 55590 45638 59204 23175 54006 58753
62155 02836 85485 44503 89335 00816 04847 12730 63736 04433
94795 08114 60764 01503 69155 93816 30030 62848 44149 84047
62330 49182 26414 96703 41271 85747 10219 21683 23318 45996
02638 22091 70989 02909 70559 10699 03618 21002 84577 17226
53472 01882 37189 44374 34965 85924 43714 41465 11071 61773
15608 96354 79025 69957 96422 12973 76421 88781 03231 03588
90596 83162 89410 17740 01795 72704 37124 57844 30943 58455
90198 09027 78269 26913 30575 60447 11993 82039 61737 55346
42032 68753 10612 61544 30387 06283 43064 01031 06495 57585
34277 14836 17771 80989 26629 70309 12470 19448 42579 62260
48799 85868 10521 52615 61573 06581 18084 52102 39382 35974
00980 94380 27043 47884 61554 21842 72549 27866 87351 95510
29639 36092 51349 73357 24177 75361 91254 97279 00294 60264
47977 92543 39460 99476 06546 56162 58231 57996 89969 23806
88197 90961 61647 70519 56605 39895 87791 69885 19434 04786
97759 84603 32096 47067 32620 12707 34519 37163 28437 96210
15325 20804 51807 79116 87996 08436 54920 27566 41337 05392
63608 14552 37895 63545 07313 38676 74443 80828 16751 84281
87569 21368 77844 95506 62504 63373 60447 92392 66855 93838
21642 21068 29559 93757 08480 67393 39153 82530 82522 48169
84974 60225 28548 14042 41175 83206 46707 68549 39754 93943
38262 53690 20411 44154 08641 93955 42958 56300 16612 24622
47987 62527 60709 46498 83748 42541 84992 44137 55064 39919
99522 91912 98305 68581 99306 27343 92819 63802 54331 79297
16665 91896 52638 72911 55575 67951 00656 85403 85115 14523
24434 82852 65918 57898 00181 22446 99514 81048 30292 98632
98213 02570 13484 99833 94419 42322

17434/16216/15867/14541/13508/12166 kHz, 31-10, 1800/1810/1820/1830/1840/1850 UTC
01085 00261 73015 77091 62747 18783 37273 04099 84984 24026
41995 55475 58185 73711 88202 36086 32248 15187 70409 09354
24564 15154 59874 45914 19743 91016 48544 93879 77438 41173
19449 32823 19387 98305 59508 21377 00309 07321 88919 63357
34999 44347 11967 61345 11840 95136 61454 29453 91373 50146
18333 26898 35158 60514 04365 30733 14130 27100 57348 71729
70238 43392 26660 43810 04577 09171 36087 59878 14202 66824
35777 24927 26267 07051 74354 80215 03186 98528 34074 24606
29562 19090 02505 27291 22840 92550 97664 58872 93939 28774
07247 73207 49971 17189 93118 91605 17687 68155 56768 02668
59048 01575 15250 24548 14369 93405 00630 28106 86159 24149
27546 15601 93025 32742 42167 51147 40887 99367 20969 12025
11506 77214 64938 85427 59577 62568 74954 09077 13932 82747
62528 35029 41759 31406 65556 27986 03839 77956 12822 29433
91919 68557 72711 69790 01227 91644 80181 17229 74021 41971
50707 18318 47186 44742 91160 81832 35636 29822 64969 51799
18450 91552 14174 03411 61619 92515 73840 61618 67184 14180
47307 62929 86444 91534 20105 41948 04502 96146 84199 67931
82386 57725 34054 71959 32030 44209 87842 97016 40245 83722
92348 74016 12986 61121 10983 00366 55382 69300 08170 08710
17804 18562 50043 60841 94662 87787 31872 55651 24636 49211
77329 39488 45621 97036 69412 60724 57497 42213 71380 17410
04673 76823 21373 83461 21830 73289 49943 25323 80550 19738
86564 35201 87975 75489 50127 63823 07682 73212 77295 44242
12336 32191 72379 91032 06393 52859 28395 15948 91708 50258
42868 13169 97919 90759 04037 40979 97177 66581 39010 21373
37843 06548 75100 30456

XPB1

Thu-Fri
19544 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0500 UTC
19044 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0510 UTC
18444 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0520 UTC
17444 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0530 UTC
16244 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0540 UTC
15844 kHz, 01-10/02-10/08-10/09-10/15-10/16-10/22-10/23-10/29-10/30-10, 0550 UTC

Mon-Fri
20075 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1300 UTC
19575 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1310 UTC
18175 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1320 UTC
17475 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1330 UTC
16275 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1340 UTC
14975 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1350 UTC

Mon-Tue
19544 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0500 UTC
19044 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0510 UTC
18444 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0520 UTC
17444 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0530 UTC
16244 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0540 UTC
15844 kHz, 05-10/06-10/12-10/13-10/19-10/20-10/26-10/27-10, 0550 UTC

X--

16153 kHz, 14-10, 1120 UTC, MFSK-21/MFSK-13
12063 kHz, 20-20, 1445 UTC, MFSK-21/MFSK-13 .

X06

15100 kHz, 15-10, 0847 UTC, MFSK-6	111666 (ended 0939z) Various carrier only tests between 0522 and 0847z
13472 kHz, 20-10, 0801 UTC, CW	111111
16304 kHz, 20-10, 0824 UTC, MFSK-6	166611
16304 kHz, 20-10, 0826 UTC, MFSK-6	166611
16304 kHz, 20-10, 0834 UTC, MFSK-6	166611

Chinese OFDM

Many thanks to VSh and NeptuneCatFish_2460.
See also VC03.

7902 kHz, 10-10, 1418 UTC, OFDM-39 300Bd USB
2821 2821 2821 809 ? 11 809 610222010162531fb0409.txt261010221807
2829 499 20 1010 2212

0407---9042

7050 6046 0463 0467 3325 2989 0906 9798 0296 0006
0059 6604 6681 6634 1283 5237 5657 9291 9729 3758
0254 3986 9064 1410 2231 4109 5348 4858 7879 7507
6700 4064 6506 1433 3327 7429 9589 8985 1858 7858
0104 4606 4640 9343 3253 7781 1215 1120 7873 7595
6270 4303 1243 4962 2234 9371 7323 9927 5788 5181
6040 6346 4604 7234 1231 6982 1582 1717 1789 5854
4606 6400 4340 2923 8852 9121 9951 9831 5758 1978
0608 3464 3636 2121 2124 1429 7211 8891 3959 9585
6830 6405 2934 6285 9127 5210 5895 2177 8350 7578-1

1514 1615 4357 3147 7990 8251 0303 8902 0296 0007
3542 2465 4417 3241 7902 0611 3097 0635 0973 1468
2114 1612 7585 3848 9709 8084 0640 2005 6486 2902
1223 6515 7548 8712 9787 9008 9808 7098 9745 2092
1136 4542 4564 9616 2237 3406 9877 7708 2556 7203
1223 2714 2875 8698 1682 5964 8328 5635 7965 0499
1531 2772 8268 9726 6034 7303 3134 8997 8587 9019
3314 7636 7688 5818 1093 3624 6750 0560 9848 3890
4653 5572 6123 4964 0238 7615 7302 0495 8593 2033
6514 1315 2642 5956 9096 1614 9974 8425 6387 3150-2

2362 6398 7974 4894 7530 6590 2053 2835 0296 0008
6781 5670 5306 0832 6487 2410 5182 5351 7381 3600
4606 4616 5960 1431 8024 4684 5136 3738 2102 7321
2663 7090 9040 2936 5484 4125 7848 2189 5131 7970
8602 6970 4771 1803 4848 1524 5738 3879 7168 7298
6092 7069 2575 5078 4894 0855 1383 8613 7220 3292
3097 4090 9576 0947 1344 9935 4581 9255 9125 0739
7966 0716 5594 0508 2535 3973 2821 3181 7383 2175
6197 0660 9096 5616 8412 7925 5213 1984 9265 9247
2460 4496 9870 9884 5754 0438 4913 6224 4671 3715-3

2194 4921 4855 7526 3137 9598 9488 9765 0296 0009
4370 0616 9417 3679 7895 4261 4486 3161 5817 6054
0516 1471 1947 5128 6322 5908 9239 0898 5040 3845
2328 3324 3200 3627 4105 2738 0413 8079 1844 6876
8234 3400 8496 9863 5578 3821 2703 9015 2307 1970
5866 7421 0571 5269 6847 4925 4675 2831 0530 4903
4159 1967 8466 2968 2896 5750 8219 1835 4123 5709
0295 7152 6210 7246 0194 4721 5974 8091 6521 5627
9143 6625 1657 9970 9301 3784 0680 0376 1602 2834
0985 9287 6390 2457 1573 8796 3023 8751 0343 8230-4

9687 6510 3601 9734 7502 1499 9803 9620 0296 0010
4423 4074 9070 5031 2359 3544 1547 8741 6601 0541
2985 8702 8875 3322 7713 7492 0206 5811 6487 1597
4096 0429 4926 4397 8530 6053 8624 3627 7528 8368
9185 7179 3394 6514 0942 8978 8530 8345 2684 3230
5917 1661 5966 8218 7246 4283 4911 4800 8438 0237
8689 3932 9505 4460 6028 2375 8614 5907 1526 6945
0077 2957 3123 1259 4195 6817 5912 6839 7639 8453
1825 6837 5420 1259 2379 6402 6056 3216 7292 7431
2837 5170 0129 1067 3166 1831 4604 7565 5347

QSL ? NR 166

10917 kHz, 11-10, 0825 UTC, OFDM-39 150Bd USB
182567 186553 192350 201920 207264 212250 217255 221367 231709 238689 241863 248401 253431 256177 246354

2291 2291 2291 - 11 111 936261110162222fb1732.txt
117/CCK 199 11 1011 1600

9494---1985

6361 5614 5089 5609 9642 2652 3968 9484 0000 0000
5241 2173 6413 9476 7258 2369 0789 5419 1909 0451
6584 6315 4262 7505 2356 6431 3731 9861 7536 1093
5032 4102 2868 5102 7060 8019 7643 1086 9514 3974
2872 9252 6054 7456 3284 0237 9413 3831 5350 9870
2798 9204 7287 5096 8670 3268 0760 5404 8416 3907
6248 9461 6120 4591 9128 2834 4247 3679 5850 0710
7957 1353 7160 8759 3871 4876 1502 7303 5768 2730

5435 0682 9213 3058 7279 1594 8638 8171 9840 3189
5643 5496 4351 8024 5491 7818 2798 8531 3497 7519-1

6184 3462 1984 8391 2743 7259 3182 5872 0000 0000
4254 6836 7851 8040 5306 8194 8202 9458 6048 1948
6210 3596 7546 6915 8430 3967 7046 8535 1502 9262
3643 5184 9140 4657 8587 3560 5749 5096 9802 5710
1356 9107 4360 1311 7243 7929 8656 2764 8526 3171
9446 2754 4531 9489 7024 4816 7023 9157 4691 4281
9323 3493 7818 7265 2790 5290 1756 5215 3602 9038
1682 7260 5187 6307 3989 4926 8405 0180 2583 7394
5083 3270 7089 6028 9024 9765 5917 7158 7678 7132
1692 3429 6904 1842 1968 7869 1067 0350 5153

QSL?

4855 kHz, 10-10, 1444 UTC, OFDM-39 150Bd LSB. Two stations on this frequency

A: 好的好的，抄收好的，這裡抄收電報好的，給你收據2244，2244怎樣？
(Okay, okay, copy received. We've received the telegram here. Here's your receipt, number 2244. Is 2244 okay?)

B: 好的好的，請稍等，請稍等。
(Okay, okay. Please hold, please hold).

A: 這裡電報速率... 26 26，39 39 發下來請注意，超收怎樣？
(The telegram rate here is... 26 26, 39 39. Please note this when sending it. What about the overcharge?)

B: 好的好的。
(Okay, okay)

A: (OFDM-39 message as below)

9220

1275g - 1275g - 1275g 5 11 221 013522010162301fb0630.txt
1399/CCK 199 11 1010 2250

0433---0880

9781 3881 0954 9736 2412 6405 3751 9316 0516 0221
6877 6574 6304 2625 2590 4169 3430 7364 7069 8367
1391 2580 3143 2801 2093 9528 5180 7936 5642 7390
9314 7283 5205 8198 0481 2427 0567 7484 1374 6315
0858 9119 7082 2867 1960 9172 1998 0754 0826 6091
2794 2940 7279 8201 5647 1905 8170 0734 4835 3625
0598 9720 3227 8973 4665 6137 2667 5049 4382 4809
6882 2550 2540 7631 2156 1407 6982 0563 2469 4083
7624 3543 8919 5857 6965 1878 1648 3552 3617 3424
3842 7558 8198 5395 9504 6174 9136 6021 7153 1403-1

6268 9601 6791 5534 3296 4805 9351 7586 0516 0122
2782 6048 0546 2682 1277 1993 0314 0495 7305 5360
5073 6542 6072 4523 4254 8021 1813 2137 6338 1006
4832 9884 6908 3586 7821 9564 3527 9294 4918 3821
1702 9327 6898 9380 3229 7093 6085 2537 3776 5618
6128 4729 0453 9026 4369 1902 6360 2437 8497 4321
5968 1287 7606 7060 4728 1983 1719 4820 7115 8038
9895 5150 7445 9201 5917 8103 9221 9227 5916 2143
8341 3007 1630 0380 6982 4148 4547 9035 7294 4338
7457 5168 0659 5682 3484 6876 0137 5070 8975

QSL? b Kvj b Kvj b Kvj b Kvj b Kvj b Kvj

B: 好的好的
(Okay Okay

A: 抄收好的，抄收好的，這裡工作9號組107，107怎樣？
(Copy that, copy that. This is Work Group 9, 107. 107, do you read me?)

B: 請重複，請重複怎樣？
(Please repeat. Please repeat—do you read me?)

A: 好的好的，請稍等。
(Okay, okay. Please hold on.)

C: 216，216，323呼叫，323呼叫，聽到請回答。
(216, 216, 323 calling, 323 calling, come in.)

C: 這樣可以，這樣可以。
(That's fine, that's fine.)

A: 好的好的，??工作，再會再會。
(Okay, okay, ?? on duty, over and out, over and out.)

C: 我是323，我是323，這樣可以，這樣可以。好的，開始5532，5532完結。好的好的請你電報發下來。
This is 323, this is 323, that's fine, that's fine. Okay, start 5532, 5532 complete. Okay, okay, please send the telegram.

7340 kHz, 17-10, 1040 UTC, OFDM-39 LSB

1279 1279 127 9——————————————

7261 0398 43114034 1847 8169 9359 4966 5397 140
8630 2521 0713 5703 2845 3703 7026 8103 4280 5904
9261 1433 5476 6856 7318 7956 2081 7513 0791 4218
6745 8063 9478 8961 7274 6974 5286 9833 4285 6604
1961 1520 8728 0732 9898 4265 0701 4066 9463 4709
1864 2064 0194 1056 6262 6687 7282 5497 6975 4808
7490 1390 1212 2119 7252 3589 0931 8023 8074 9792
6053 ?15 xG60 7448 2957 5615 2372 9295 6530 1832-1

9166 1558 8945?521 5971 8037 7081 6990 0171 0006
1270 15{5 172S 9843 0877 2803 7325 4951 7685 9315
7919 2916 3716B9021 9289 8474 8045 2689 5002 4750
4523 5701 1787 8043 4646 3202 0850 0242 527185324
5852 5367 8290 4804 4066 6848 9138 3500 6384 1914
7186 5252 9325 2796 3964 3045 8253 576 7383 8641
6826 0862 2185 7407 4361 8453 8662 3395 4309 4340
8375 4813 5319 8109 0824 9218 1619 9291 2891 1487
7304 6493 0563 3624 7364 2723 1923 9641 7733 3705
2646 4260 7974 5040 8971 6731 1452 7688 3616 0697-2

4295

13384 kHz, 11-10, 0703 UTC, OFDM-39 USB
A:966, 966, 284, 284, 706呼叫, 706呼叫, 這裡報14, 這裡報14, 轉... (mic glitch)

A:(OFDM-39burst message)
1269 1269 1269 11 222 1 11-01-6202111 fb0709.txt ©
021/CCK 199 14 10±7 1500

CQ 1940---2025 2490

7536-6448-4158-8373-7425-7201-5691-7412-0000-0000
8224-1921-4638-6401-4829-7739-7461-7472-3810-2524
9037-1633-3659-9858-6118-2913-6184-8699-7536-5786
9009-1543-8404-7080-3260-6587-2559-5137-9514-8067
3058-2720-0330-7046-6986-2775-0908-3269-3158-8328
9080-6443-8328-9180-1457-8215-7202-3704-4915-3751
1514-4303-5062-0754-1986-2131-4942-4275-8701-9148
9454-8065-0916-5824-2656-0957-7603-4379-6778-1659
1794-2659-3067-7976-3176-1039-2090-9004-4840-6125
5982-8535-2684-3478-5263-2173-3432-6369-2978-5329-1

9641-8470-7945-9721-4162-901-5240-5397-0000-0000
5918-7813í-786-2958-1530-6932-901/5780-8250-4178
9125-7506-8932-2673-6178íõ643-29<4-8291-0917-7º9ó
4579-7453-˜w'4-5690-b+0-4381-9850í}210-50°—,

8824 kHz, 18-10, 0744 UTC, OFDM-39 300Bd USB
1320 1320 1320 11 222 711451810162154fb0784.txt
1684/CCK 199 98 1018 1535

7676---7149 7827

9375-8461-7394-1826-7265-1830-2650-1849-4627-5810
7164-8502-7461-9382-8574-9103-8201-7493-3649-0185
9362-1850-6591-8274-6573-8294-7395-6481-7362-5018
0465-1738-9304-6182-0582-1749-8573-1049-4058-6271
7462-0593-9382-6471-4839-1756-8394-0562-3640-7582
4937-0162-5719-8462-1657-4820-4710-6293-1039-4658
1948-6573-9302-7564-9371-2650-2016-7593-0395-1846

1049-7362-0195-3847-6375-9481-8295-4036-4816-3027
4750-2918-5936-8274-7384-0192-9165-0374-2659-0481
1958-4630-0371-9482-3729-4658-4926-0183-8572-3910-1

3019-8475-6175-8304-6195-2038-9371-4850-1927-6305
1740-8365-8475-9302-3710-9564-5049-1837-9563-1820
7165-2048-7561-8302-5817-0364-6205-1738-7261-5049
8174-9302-7102-8493-6501-4938-0172-4639-0394-1827
7365-2948-5710-3946-7182-6395-4018-2936-8495-3027
9371-0564-5827-4630-0392-4718-6293-5710-7295-0163
2657-3948-8294-5637-0392-7164-9502-1647-2056-1847
8275-9463-3856-4927-7295-0384-3056-7294-2739-8104
3746-8105-1749-8203-0173-2659-1058-9372-3740-5819
9405-1638-2058-3946-0592-4718-8265-0391-5018

QSL?

8025 kHz, 23-10, 0814 USB, OFDM-39 ISB
2073 2073 2073 S 11 207 707161320162216fb2423.txt261023160931
0495/KCB 299 97 1023 1500

0484---0430---0475---0433---0428---0424---2736---
0449---0484

1602 0472 1089 5640 6971 6581 6728 0279 8932 1247
1308 7681 7598 5217 0531 2075 6138 6934 9123 4037
5032 6783 1392 9856 5732 0983 7295 7634 2510 9617
1324 8537 6049 5298 7635 0819 5128 1435 4319 6042
7932 1964 2194 0198 8956 3762 2418 0473 6241 7109
8493 6028 8071 1806 4163 4730 4815 0625 7894 9834
9843 7123 4638 9837 9382 8421 1537 0216 6583 4368
6981 3952 2836 5493 1495 5197 2386 8907 3042 7852
5237 3082 3287 3092 0234 6789 9853 8741 1478 3042
2170 8390 1758 1638 0478 8327 0572 3126 8650 3281-1

1507 8658 6513 4578 0189 6584 9047 0896 0858 9342
3642 5394 3427 5607 0372 1091 2068 1098 7174 1237
5064 1362 4389 2378 0738 4317 2046 1035 7082 9064
2984 1024 2593 4152 7380 0583 0382 1043 4859 0186
0156 2532 4219 5614 3829 5321 4738 9283 3829 0193
4653 2649 5438 9874 3043 1024 0614 6368 3890 9134
2457 3421 6571 0178 9710 0968 8028 0638 8698 3829
4358 1639 3419 8053 9184 5031 0194 9108 9568 1784
2471 2343 9581 2607 7389 0654 0894 3491 8324 3827
5104 3456 8963 4328 4839 1456 4789 9081 8372 8392-2

1564 0297 8539 0125 0183 2058 1692 6819 2503 1472
5463 0685 0583 4319 5392 4730 9025 0852 0317 5602
6839 1978 3659 0428 3945 5892 0675 0145 1425 6185
8596 6895 4539 5409 2785 3421 8419 5712 3615 5947
1345 4586 6427 7356 1978 0639 9310 8915 4973 0621
6485 3470 7823 8639 0759 6849 0312 9638 5869 5218
5647 3928 9362 8501 2531 4680 3528 9341 1539 2830
8396 5697 4390 3671 8790 6738 7261 5810 4618 9180
5480 4832 3864 7498 4065 3845 7831 9105 7190 1280
3968 9043 5318 3560 4306 4392 9254 9517 6543

HR WK NR 051

0484 STN WK NR 428
0430 STN QSL 1508 WK NR 405

0475 STN QSL 1520 WK NR 407
0433 STN QSL 1528 WK NR 409
0428 STN QSL 1537 WK NR 311
0424 STN QSL 1547 WK NR 431
2736 STN QSL 1558 WK NR 110
0449 STN QSL 1607 WK NR 051

9187 UTC, 23-10, 1222 UTC, OFDM-39 150Bd USB
1214 1214 1214 11 453 220202320162281fb1771.txt
6975 8204 1427 5702 4604 6502 9254 8931 0000 0000
8304 4972 4083 4295 8903 7852 3652 3852 4752 7504
9103 7163 9172 6438 1567 8103 3051 7931 6153 1569
8710 1086 6495 4693 0189 1059 3023 7942 7041 8764
8179 3728 4798 1709 6104 6258 2786 4636 6978 1746
9182 8704 8391 1503 1359 5981 9362 5209 5047 2695
9567 9634 3852 8392 3182 4385 5793 5604 7412 1845
2041 7394 7286 6087 2637 6452 9250 2936 1054 7603
0139 1765 5196 7586 2781 2053 2108 7021 8516 4081
1026 6921 4058 9418 9402 8756 3789 3647 3742

QSL?

7816 kHz, 23-10, 1300 UTC, OFDM-39 USB
268 268 268 F 11 222 2 32-01-6202111 fb5646.txt
1175 2050
SVC QRW
4488 4747
QRW E08 4795 2220 COMM 5483
QSL?

11555 kHz, 24-10, 0243 UTC, OFDM-39 USB
Female Operator A giving data to Op

2828 2828 2828
F 11 477 542401420162358fb0202.txt261024104039
320 499 00 1024 1039

0735---6243

9724 8554 8128 2576 0440 5643 9082 9397 0121 0001
7742 7891 8370 6941 5351 8015 3274 8146 0382 4679
6845 3150 3158 3147 4976 1426 2072 4707 4138 5229
0563 0857 7349 3842 6997 8091 2115 8103 8645 1383
7629 7540 4150 0129 2870 2194 1556 2573 3178 5621
5901 7072 3838 6190 7996 3970 5101 9640 1456 4334
8589 9592 5662 4689 0360 0916 5867 8123 1887 6240
6829 1213 4963 3542 8713 3262 2892 5281 5752 7460
7978 6102 5824 4939 4950 6523 5749 7694 7983 8275
7935 2960 4661 1743 0334 6735 0230 3860 0708 1660-1

0586 0362 9036 1232 0150 0336 2479 9812 0121 0002
8372 5331 9280 2682 3091 5347 3164 9682 4071 6756
2740 0157 0231 0290 8352 3626 2754 4506 5053 8034
7563 2131 7103 0397 8747 1374 5607 9598 9384 7474
1501 2121 2473 2689 4335 1350 7290 7654 9479 6729
3992 8334 0502 8765 3047 1343 4908 4875 5265 1957
3047 3012 8064 7154 0278 1854 7693 8691 9649 8959
8761 9898 6418 8110 7207 6146 4320 3784 9661 8816
2489 8391 6126 5497 9821 4964 5958 0235 5447 6510
0169 8012 6121 5065 7290 7672 6554 8298 3848 4959-2

9041 8029 7412 5204 0193 0253 6449 8704 0121 0003
8712 7931 5850 2103 1862 0563 3760 2448 8115 8345
7465 7294 2402 7118 1899 2690 0849 1506 4218 5464
3971 8287 8919 0863 9605 2951 5662 3058 9445 4586
3453 8223 7860 4772 3692 2525 9141 7536 1290 6142
6071 3898 8070 0962 1373 3795 0564 8981 5870 6259
8551 9063 9632 6067 7385 3068 8567 2514 3473 2403
9363 1874 3582 9370 7119 2078 4661 4779 7159 0896
4782 2921 4564 7393 7542 9151 3149 0582 4889 7123
6170 6030 6325 6450 9332 0992 3767 7418 5446 3751-3

7536 6448 4158 8373 7425 7201 5691 7412 0121 0004
8224 1921 4638 6401 4829 7739 7461 7472 3810 2524
9037 1633 3659 9858 6118 2913 6184 8699 5521 5786
9009 1543 8404 7080 3260 6587 2559 5137 6108 8067
3058 2720 0330 7046 6196 2775 0908 3269 3158 8328
9080 6443 8328 9180 1457 8215 7202 3704 4915 3751
1514 4303 5062 0754 1986 2131 4942 4275 8701 9148
9454 8065 0916 5824 2656 0957 7603 4379 6778 1659
1794 2659 3067 7976 3176 1039 2090 9004 4840 6125
5982 8535 2684 3478 5263 2173 6432 6369 2978 5329-4

6671 5972 7381 7670 1475 4842 9716 8471 0121 0005
3241 3616 5580 2512 1729 0843 8741 3827 3815 2215
9742 9456 2646 4885 8768 8992 0971 2358 6146 5481
3691 3650 9195 9354 7270 0068 4849 0741 3292 2318
8714 0644 6574 0203 1318 6835 9335 6140 1190 5278
3448 0061 3279 4298 8482 7346 9669 5887 5844 5491
5930 2962 5272 0950 6801 6503 2353 5697 0270 1538
6834 2979 6172 9541 9792 7035 6168 6537 7009 6073
2021 4772 5133 1927 9360 0835 9329 3463 3740 9014
1645 3871 9084 0110 2836 5865 3568 9240 5240

QSL? HR NR 1237- TKS

Male Operator A giving data to Op
281 281 281 S 11 111 1 42-01-6202222 fb0264.txt
156 1041
2244---6243
SVC QRW
QRW NR 1199 SVC 0398 STN QSL 1040 NR 1401
QSL?

Male Operator B giving data to Op
1504 1504 1504 11 477 650011420162730fb1815.txt
177 244 53 1024 1030

0862---6243
9724 8554 8128 2576 0440 5643 9082 9397 0121 0001
7742 7891 8370 6941 5351 8015 3274 8146 0382 4679
6845 3150 3158 3147 4976 1426 2072 4707 4138 5229
0563 0857 7349 3842 6997 8091 2115 8103 8645 1383
7629 7540 4150 0129 2870 2194 1556 2573 3178 5621
5901 7072 3838 6190 7996 3970 5101 9640 1456 4334
8589 9592 5662 4689 0360 0916 5867 8123 1887 6240
6829 1213 4963 3542 8713 3262 2892 5281 5752 7460
7978 6102 5824 4939 4950 6523 5749 7694 7983 8275
7935 2960 4661 1743 0334 6735 0230 3860 0708 1660-1

0586 0362 9036 1232 0150 0336 2479 9812 0121 0002
8372 5331 9280 2682 3091 5347 3164 9682 4071 6756
2740 0157 0231 0290 8352 3626 2754 4506 5053 8034

7563 2131 7103 0397 8747 1374 5607 9598 9384 7474
3401 2121 2D73 2689 4335 1350 7290 7654 9479 6729
3992 8334 0502 8765 3047 1343 4908 4875 5265 1957
3047 3012 8064 7154 0278 1854 7693 8691 9649 8959
8761 9898 6418 8110 7207 6146 4320 3784 9661 8816
2489 8391 6126 5497 9821 4964 5958 0235 5447 6510
0169 8012 6121 5065 7290 7672 6554 8298 3848 4959-2

9041 8029 7412 5204 0193 0253 6449 8704 0121 0003
8712 7931 5850 2103 1862 0563 3760 2448 8115 8345
7465 7294 2402 7118 1899 2690 0849 1506 4218 5464
3971 8287 8919 0863 9605 2951 5662 3058 9445 4586
3453 8223 7860 4772

QSL?

10320 kHz, 24-10, 0456 UTC, OFDM-39 USB
1251 1251 11 208 1 4:-01-6202378 fb3288.txt
400 201 88 1024 1230

4176---2717
5239 3541 9457 9821Á3950 6349 4867 3571 0171 0009
0512 1489 3285 5026 8053 8154 8067 5086 9778 6094
9864 3568 2781 8278 0734 7423 0821 4273 8435 2886
9643 1807 6098 2451 9516 8210 6229 5460 7831 3670
2931 1043 0172 1206 3906 2893 6051 4736 7615 0846
0714 5097 3956 0213 9068 3265 6032 3428 7053 8058
2061 5674 2951 9213 2597 7296 2013 5967 1724 0436
0194 9543 1942 2187 9734 4236 7915 1964 7513 3674
8351 5860 2154 0156 4853 w257 7584 986ö 5492 0379
3725 1097 2165 6189 9408 4780 78q5 ´Y31 4-Q7)¤l#-1

10892 kHz, 24-10, 0526 UTC, OFDM-39 USB
1251 1251 11 249 1 42-01-6202512 fb8683.txt
621 201 23 1024 1330

4768---2266
2937 8351 8591 8047 3401 5602 4987 9613 0171 0027
0681 2794 4781 1605 2783 6082 5120 6401 8429 4382
8903 2548 4597 4103 0593 6994 1490 3851 5904 2159
4879 6378 0485 4085 2781 2573 7386 1206 6496 5253
3806 6785 7592 7304 2026 2464 1740 9754 4203 3085
4876 9854 0583 1764 6146 0136 2523 9831 1678 0319
7962 9572 5091 6790 0198 1682 2736 8956 7120 6357
6795 7180 8537 7348 0358 6235 2913 0913 5142 3457
2631 7481 2936 7804 0186 7152 5617 6042 1587 6359
3679 9253 8079 8673 2164 2150 6471 4631 0923 2045-1

5427 8456 3890 3521 9161 4164 2158 9269 0171 0028
7891 5172 5408 7441 3053 8675 9547 6390 2049 8783
9351 6265 2091 0198 9772 2046 3506 6441 0453 79á5
0367 4664 7045 479¸q199qp±d75 7448 8509 3929 2661
1064 4371 5765 8943 6036 3279 8391 7054 5721 3610
5668 7083 9658 8670 3448 7804 7380 8628 5098 9525
0368 0343 1872 0512 0257 9223 0434 7663 5185 4392
9201 4393 0465 5064 4180 8818 3129 6320 1963 3453
756> ¼050 6138 3081 202-! 9258 9148 8179 1227 0439
9809 7378 1272 6589 7179 1502 7214 3036 4221 7668-2

9878

7345 kHz, 24-10, 0759 UTC, OFDM-39 LSB
1275 1275 1275 11 412 548551420162562 fb0660.txt
1473/CCK 199 87 1024 1545

3055---3113

7160 4573 8139 8794 8454 5735 9482 6756 0000 0000
6840 4053 8026 2049 4381 3413 1564 5770 0806 5269
0767 3597 0591 7846 5271 2395 5182 5292 9379 2882
0636 4130 0902 5891 7336 6201 9860 1014 9693 0543
9646 2946 4147 2035 0472 1982 6104 2364 3628 6382
7893 9496 2641 4094 4707 1378 7269 0881 7038 9570
9608 0639 4749 5278 1297 2154 8271 2360 4763 2194
8512 9342 9331 6795 8065 8367 4016 9275 3531 0560
0789 6726 3060 5057 1457 2218 4326 5061 8121 8130
6908 3578 6394 4181 9176 8321 1345 7228 5150 0797-1

7228 4978 8930 0891 4305 0795 5982 8696 0000 0000
9560 9576 0637 5976 9726 4592 2567 9767 7751 8580
8930 0449 0697 8547 3168 6064 7822 6638 0312 2944
3823 3546 1373 6756 4306 1563 0033 0406 4173 7617
1445 2986 1559 5424 5178 8001 8830 5459 7789 0209
0810 5387 2166 2783 1307 7125 5850 8391 3081 0140
5342 3217 2279 8560 3045 2209 5706 6242 5153 0114
5873 2113 2239 8389 9178 4968 6934 3179 6054 8634
9162 1451 2103 6948 1320 9654 9429 5124 1245 3851
5257 6162 4085 8226 5017 1517 1498 2201 9674

QSL?

8092 kHz, 24-10, 0833 UTC, OFDM-39 USB
2302 2302 2302 11 909 522361420162356 fb2568.txt
47 399 89 1024 1631

3312---7925

4298 9196 7641 7334 8715 3817 9734 1910 0006 0020
6512 8640 9016 2057 4019 1438 6186 9038 7584 5926
1959 2764 9486 4782 2192 8609 7242 8023 0128 9393
9648 2956 8057 3345 7039 2084 7878 0606 0370 9580
2432 7526 6474 0856 0410 5241 1037 1531 6516 6986
2493 1387 5742 5848 7935 2109 7304 7521 6707 0950
0746 9234 6719 43?b?Kvj?b?Kvj?b?Kvj?b?Kvj?b?Kvj?b?Kvjÿ

7846 kHz, 24-10, 0844, OFDM-39 LZB
2821 2821 2821 !îXXXXJGJGXXX ?
11 294 344461420162178 fb1604.txt
4098 499 39 1024 1644

4323---9934

7483 3465 3159 4072 4859 8375 8103 9094 0330 0001
5701 9837 1865 1960 9409 2791 3147 0649 4872 6145
4263 3628 1578 3170 0485 9051 8736 1410 8617 3505
3014 2095 7083 2318 8321 4038 8140 3271 9527 2675
7136 4659 7152 0646 9142 2867 5427 9128 1656 9134
2594 5705 9816 5680 2386 2604 6832 4987 8942 0560
1596 9238 8765 2057 2739 0279 4939 6853 8012 7398
9589 24: 5465 14? 2934 6391 1237 3450 5413 6351
2604 5468 5203 7183 9370 0738 1670 9295 9048 8762
9731 8704 2830 9471 7962 1820 6025 1420 6594 6710-1

7042 6032 8906 7036 8524 8023 9626 3571 0330 0002
4826 0976 9875 7401 8957 2843 1760 1438 8423 1943
1857 0819 0836 7663 3507 4395 9745 1024 9362 1951
8576 9705 7646 7905 8945 7015 1489 0853 3412 9143
6821 6730 6960 5043 3175 2984 2750 3842 1589 8154
6540 6976 7480 2401 1207 4751 4203 8264 9812 1879
4570 3603 5962 8675 8129 5891 1095 0314 2981 2358
6052 5904 6529 6061 3918 9034 4638 5094 2319 9128
7246 7150 7023 6735 2352 7196 2148 0817 2683 3827
6453 2379 7854 6730 6394 5690 8274 7031 9314 6423-2

0229 6435 5275 4774 2674 5341 9636 0447 0330 0003
8998 7102 8403 6092 5885 0516 6795 7485 2583 9253
9715 2825 9846 6705 1457 3039 0967 7697 7979 1725
6508 2502 0497 6881 0639 0340 5382 9692 6574 8360
5953 5298 9160 5428 5073 3108 5976 5794 1586 2429
2?7 5216 1287 2673 3034 5104 2120 0791 5415 2463
9323 3168 7341 6567 7430 6108 4847 0194 2801 9884
1860 0751 2646 8082 0927 9760 7381 9564 2128 2663
7349 6810 9549 5323 0151 0150 1384 1068 4153 3679
2182 2827 1878 6934 6980 4914 9410 3084 7437 1234-3

7026 7560 8901 2670 8523 8057 9624 3523 0330 0004
5748 3609 4298 7406 8943 2845 1743 1443 7184 4819
7618 7608 1908 7636 6035 9507 9714 1062 5193 3819
2185 6205 7605 6379 7589 7045 8915 2408 1234 8143
6840 8067 6943 4650 3129 2784 5042 3815 5389 9154
7065 3076 0174 6024 0791 1247 5103 4282 6498 7912
6045 9736 0359 8675 3481 5810 4695 0381 2958 1823
5246 5904 6165 6960 5239 9180 3829 5083 1423 2819
?53 7156 3570 6429 9723 2196 9048 9408 3826 9127
3764 9250 7834 2370 7163 7456 8270 1431 6493 2317-4

2976 5015 9797 8731 9857 4331 3845 1463 0330 0005
0548 5740 7024 9680 7472 5734 4225 7128 8229 9467
0380 3504 5640 9469 6946 1928 3970 4581 2315 2684
1380 1620 3504 0798 8468 8967 1241 4320 6376 1026
2062 1510 1074 1535 6167 8323 8585 7083 2628 7315
8973 7503 6816 3145 8495 8987 3613 0113 2342 2314
0560 2909 2957 9893 8553 1759 6992 7375 2051 2416
9510 8026 5374 8514 7919 7625 1217 8560 5493 6059
9136 0430 0769 5894 1597 9687 6528 4863 4376 0284
0840 4673 5187 1967 0423 1926 2794 2730 1464

HR WK NR 414

10372 kHz, 25-10, 0529 UTC, OFDM-39 USB
1790 1790 1790 811 144 140331520162289fb1140.txt
0448 299 19 1025 1300

2555---2055

7980 5430 3250 5481 2684 2746 9183 0391 0001 0046
6573 9042 7675 0849 5740 8205 0581 3607 8461 6768
5272 8795 5158 8365 9363 0674 1936 4103 6326 3079
1975 4763 6754 1905 2150 7138 0951 3974 3897 0186
8321 7548 6462 8309 8534 7356 4251 9353 0618 5698
0308 1761 5032 9689 2123 5427 4001 4820 2957 2426
9734 9121 2903 1628 9637 4391 3274 6934 9815 4906
1063 1087 2387 2057 8996 0697 8019 1287 4029 2045
6821 7401 5443 1245 4238 8571 4921 2767 1829 7140
0285 7830 6057 6198 2691 0246 5476 3995 2034 9038-1

7670 2940 8121 3384 1047 8303 6984 1058 0001 0047
4534 8482 3507 2375 2319 7935 9040 4972 0895 5426
6426 3468 3927 9261 1565 2312 9831 9698 7990 4071
7904 0121 8232 6716 5765 9535 6467 3160 5325 7949
6343 0507 4238 4216 8784 7695 9697 9110 7648 0526
8349 1217 0452 5875 4816 4596 7358 6197 1951 8454
2621 8549 4237 4132 8451 0996 0692 9786 8957 3208
2031 0713 5621 7838 0753 0813 9016 4660 2640 7070
5245 8375 7202 3232 5972 9885 0108 5970 1510 3434
3829 2470 1295 6848 6591 6367 6218 1786 9538 7081-2

8902 5079 7026 5934 8136 0361 6250 7580 0001 0048
5274 1278 9535 8671 2675 9794 7391 8261 8401 2015
2601 7350 2613 2305 9149 0947 6813 2784 3874 9137
8792 4502 2139 7920 0857 3760 6286 9354 9406 6148
1095 7536 0756 6512 3847 4793 1896 5034 6290 6539
7383 9325 8173 1762 6324 7235 0818 2186 2481 4230
0524 3613 4251 0867 4925 3795 8942 0875 8148 5698
8950 0993 4352 9243 1792 8461 3530 8674 6738 6041
5294 0489 5391 8701 7547 7620 4718 6134 0829 7019
5076 3976 3565 6513 0419 2469 4548 1840 2498

WK NR 502

1790 1790 1790 811 953 043531520162289fb1143.txt
0445 299 19 1025 1300

2555---2575

2620 7640 6271 1203 1925 1674 6024 5974 0001 0035
7593 0928 1652 8480 3683 9123 7084 4567 2767 6045
4086 9420 3736 3563 9648 3430 8435 9586 3470 7827
8787 4075 5265 8795 3415 4073 9581 0928 4165 6010
8232 0161 5278 5407 9234 4905 1070 8146 6253 3818
2866 0175 2587 9598 1319 6317 7609 6246 6019 4694
9716 8285 4083 2414 1931 9420 1979 2157 5475 2638
9029 5785 6143 0858 1072 0213 8495 8249 9840 5583
3213 1609 3021 6807 5410 8532 7936 3924 1120 8149
5219 5229 1681 1770 2373 4857 4159 6034 4730 7986-1

5042 2350 5143 9283 8956 9046 1090 8250 0001 0036
4893 7106 7052 5429 3118 8982 6137 0619 1615 4818
5208 8542 6542 9274 6184 1548 2153 2904 6950 6739
7420 4230 3403 7405 7514 9281 5761 7563 2173 3676
1509 7435 5142 9765 7301 1347 2329 9813 8628 2814
0573 6438 3902 3852 8374 5947 6287 9424 4317 1276
1250 0980 3182 7364 3405 7510 4102 9560 9381 8479
3735 2752 1082 9280 4935 0431 6283 2897 1278 9187
9471 7625 3186 8792 9073 8047 9815 0416 9581 4091
1557 0341 8530 9156 4037 6713 4670 7992 3191 6458-2

4625 6378 3480 5710 3021 2903 6597 8504 0001 0037
2501 2125 9495 6215 6170 6826 1892 4925 8903 7484
8476 0560 3589 3987 6980 6781 7438 4345 9165 3159
5325 5161 9837 2763 5697 9421 9807 6325 9436 5418
1807 9347 0323 1089 6547 2326 7249 5730 7431 4347
1653 5289 6356 1405 4929 2027 1704 1476 7645 4781
2608 1249 0725 9542 6525 6830 8130 9390 3401 0094
2153 0175 5307 1286 6706 7788 1219 9790 0265 5790
9851 5427 9308 3852 9269 4283 4030 8764 0187 6163
3681 3207 3624 0416 4982 8747 2075 8964 2818

WK NR 502 BSÃ

2304 2304 2304 :11 953 432041520162289fb1144.txt
0446 399 93 1025 1300

2555---2575

2342 9250 5043 8983 5640 9180 9821 1953 0001 0038
7193 7006 5152 8929 3154 8284 0637 4910 1550 1839
6508 5242 4842 7574 6192 1504 2953 6104 1669 6776
8520 4205 7434 9705 1480 9281 7561 2166 8673 3621
3009 7403 5134 8365 7473 1347 9823 5713 4932 1430
1573 4238 3964 5205 7475 3859 9487 2429 2817 8476
8250 1280 3102 7564 7334 9210 0295 6206 8112 9179
3510 3752 8209 0480 9035 8731 9783 4128 1278 9587
2571 7631 2786 4992 8073 9147 0415 6216 4081 5891
0357 8541 9430 6756 4637 1340 9270 9879 1591 6431-1

6730 3510 7298 9490 4160 6481 1753 0209 0001 0039
1852 2571 9485 1218 8572 5868 4036 6350 5439 4503
0294 9651 8574 4819 0741 3718 5182 3613 9286 4585
8542 3141 5923 8073 6892 3564 5093 3068 2547 1207
2023 2143 7721 7828 3042 2571 0824 9419 9653 2546
6130 7190 9789 6819 4528 0157 6393 6268 3926 0507
8503 0867 0983 8231 0632 3808 0343 5782 5076 4737
1789 4207 2176 1373 0918 4067 9019 4094 6347 8525
7069 1024 4718 7419 1260 6178 6548 7940 2637 1629
6576 8594 6876 1347 5139 7469 4105 5949 2952 6429-2

8170 7620 9421 8134 1380 4083 0369 1084 0001 0040
1043 4584 6135 7023 7523 1979 9890 4049 7208 9054
8264 2634 1639 2792 5315 6522 6098 3196 9579 2640
6879 4701 1682 3267 3157 6595 1064 6731 2715 3794
2163 4305 4872 3842 3587 8476 9796 9791 9576 4805
8073 4912 3204 5255 9548 1645 8673 5861 2619 5184
2176 2185 3842 3741 9684 5109 0602 6997 5489 5732
4920 3107 3256 2178 0967 0538 7090 1646 0826 4070
5213 8345 4872 3022 5139 9728 6101 0859 7015 1034
3758 2294 1702 9568 8565 9163 6762 8817 3495 3870-3

4502 9559 2650 7034 7981 9703 8250 6280 0001 0041
9371 1873 8935 2671 3675 8694 8491 7361 8201 8420
3940 5036 7326 4905 9147 6109 6213 6827 5974 3891
1087 5202 2156 2379 2057 0837 9386 5434 0637 9461
2695 8175 0792 3812 9347 6047 8696 1850 6248 6590
2583 7312 4273 6265 1724 6372 1842 0821 2314 4281
8924 0513 3651 6725 0849 3735 8975 0874 3081 9488
0950 9391 4365 9543 9217 8492 4730 3586 5638 6760
5294 5289 5304 8701 6147 0462 3418 6140 1908 7041
9876 5039 3576 2413 7519 7069 6548 4518 6124

WK NR 502

10681 kHz, 25-10, 0505 UTC, OFDM-39 150Bd USB
3317 3317 3317 11 318 1 52-01-6202682 fb3991.txt
198/JC 599 02 1025 1300

8143---7413---1385---7899---1305---1421---1468---
1358---1491---1312---8143

3990 3224 7243 5417 8153 8363 1053 1362 0207 0008
4960 4098 5090 3192 0425 3358 1664 0754 1054 8424

3429 2301 1416 7632 0709 6471 7168 2076 1827 4214
6503 5452 1495 2546 7915 4969 2750 2132 4713 5784
7667 8228 9649 9025 6083 0908 8123 2385 3231 2878
7869 9085 9761 0841 7549 5974 8543 9627 1252 0882
6100 0768 6393 9196 2830 9107 8640 2886 4710 1319
3081 9494 1769 1865 9487 7646 0565 ?b
Suddenly off

7345 kHz, 24-10, 0808 UTC, OFDM-39 150Bd LSB
1275 1275 1275 5 11 412 525180201030321 fb0996.txt
1474/CCK 199 87 1024 1600

3188---3113

7160 4573 8139 8794 8454 5735 9482 6756 0000 0000
6840 4053 8026 2049 4381 3413 1564 5770 0806 5269
0767 3597 0591 7846 5271 2395 5182 5292 9379 2882
0636 4130 0902 5891 7336 6201 9860 1014 9693 0543
9646 2946 4147 2035 0472 1982 6104 2364 3628 6382
7893 9496 2641 4094 4707 1378 7269 0881 7038 9570
9608 0639 4749 5278 1297 2154 8271 2360 4763 2194
8512 9342 9331 6795 8065 8367 4016 9275 3531 0560
0789 6726 3060 5057 1457 2218 4326 5061 8121 8130
6908 3578 6394 4181 9176 8321 1345 7228 5150 0797-1

7228 4978 8930 0891 4305 0795 5982 8696 0000 0000
9560 9576 0637 5976 9726 4592 2567 9767 7751 8580
8930 0449 0697 8547 3168 6064 7822 6638 0312 2944
3823 3546 1373 6756 4306 1563 0033 0406 4173 7617
1445 2986 1559 5424 5178 8001 8830 5459 7789 0209
0810 5387 2166 2783 1307 7125 5850 8391 3081 0140
5342 3217 2279 8560 3045 2209 5706 6242 5153 0114
5873 2113 2239 8389 9178 4968 6934 3179 6054 8634
9162 1451 2103 6948 1320 9654 9429 5124 1245 3851
5257 6162 4085 8226 5017 1517 1498 2201 9674

QSL?

7846 kHz, 24-10, 0844 UTC, OFDM-39 300Bd USB
2821 2821 2821 11 294 344461420162178 fb1604.txt
4098 499 39 1024 1644

4323---9934

7483 3465 3159 4072 4859 8375 8103 9094 0330 0001
5701 9837 1865 1960 9409 2791 3147 0649 4872 6145
4263 3628 1578 3170 0485 9051 8736 1410 8617 3505
3014 2095 7083 2318 8321 4038 8140 3271 9527 2675
7136 4659 7152 0646 9142 2867 5427 9128 1656 9134
2594 5705 9816 5680 2386 2604 6832 4987 8942 0560
1596 9238 8765 2057 2739 0279 4939 6853 8012 7398
9589 24: 5465 14? 2934 6391 1237 3450 5413 6351
2604 5468 5203 7183 9370 0738 1670 9295 9048 8762
9731 8704 2830 9471 7962 1820 6025 1420 6594 6710-1

7042 6032 8906 7036 8524 8023 9626 3571 0330 0002
4826 0976 9875 7401 8957 2843 1760 1438 8423 1943
1857 0819 0836 7663 3507 4395 9745 1024 9362 1951
8576 9705 7646 7905 8945 7015 1489 0853 3412 9143
6821 6730 6960 5043 3175 2984 2750 3842 1589 8154
6540 6976 7480 2401 1207 4751 4203 8264 9812 1879

4570 3603 5962 8675 8129 5891 1095 0314 2981 2358
6052 5904 6529 6061 3918 9034 4638 5094 2319 9128
7246 7150 7023 6735 2352 7196 2148 0817 2683 3827
6453 2379 7854 6730 6394 5690 8274 7031 9314 6423-2

0229 6435 5275 4774 2674 5341 9636 0447 0330 0003
8998 7102 8403 6092 5885 0516 6795 7485 2583 9253
9715 2825 9846 6705 1457 3039 0967 7697 7979 1725
6508 2502 0497 6881 0639 0340 5382 9692 6574 8360
5953 5298 9160 5428 5073 3108 5976 5794 1586 2429
2?7 5216 1287 2673 3034 5104 2120 0791 5415 2463
9323 3168 7341 6567 7430 6108 4847 0194 2801 9884
1860 0751 2646 8082 0927 9760 7381 9564 2128 2663
7349 6810 9549 5323 0151 0150 1384 1068 4153 3679
2182 2827 1878 6934 6980 4914 9410 3084 7437 1234-3

7026 7560 8901 2670 8523 8057 9624 3523 0330 0004
5748 3609 4298 7406 8943 2845 1743 1443 7184 4819
7618 7608 1908 7636 6035 9507 9714 1062 5193 3819
2185 6205 7605 6379 7589 7045 8915 2408 1234 8143
6840 8067 6943 4650 3129 2784 5042 3815 5389 9154
7065 3076 0174 6024 0791 1247 5103 4282 6498 7912
6045 9736 0359 8675 3481 5810 4695 0381 2958 1823
5246 5904 6165 6960 5239 9180 3829 5083 1423 2819
?53 7156 3570 6429 9723 2196 9048 9408 3826 9127
3764 9250 7834 2370 7163 7456 8270 1431 6493 2317-4

2976 5015 9797 8731 9857 4331 3845 1463 0330 0005
0548 5740 7024 9680 7472 5734 4225 7128 8229 9467
0380 3504 5640 9469 6946 1928 3970 4581 2315 2684
1380 1620 3504 0798 8468 8967 1241 4320 6376 1026
2062 1510 1074 1535 6167 8323 8585 7083 2628 7315
8973 7503 6816 3145 8495 8987 3613 0113 2342 2314
0560 2909 2957 9893 8553 1759 6992 7375 2051 2416
9510 8026 5374 8514 7919 7625 1217 8560 5493 6059
9136 0430 0769 5894 1597 9687 6528 4863 4376 0284
0840 4673 5187 1967 0423 1926 2794 2730 1464

HR WK NR 414

8092 kHz, 24-10, 0835 UTC, OFDM-39 300Bd USB
2302 2302 2302 811 909 522361420162356 fb2568.txt
47 399 89 1024 1631

3312---7925

4298 9196 7641 7334 8715 3817 9734 1910 0006 0020
6512 8640 9016 2057 4019 1438 6186 9038 7584 5926
1959 2764 9486 4782 2192 8609 7242 8023 0128 9393
9648 2956 8057 3345 7039 2084 7878 0606 0370 9580
2432 7526 6474 0856 0410 5241 1037 1531 6516 6986
2493 1387 5742 5848 7935 2109 7304 7521 6707 0950
0746 9234 6719 43?b? cut off???

10478 kHz, 25-10, 0435 UTC, OFDM-39 150Bd USB
2828 2828 2828 477 11 477 534321520162694 fb3774.txt261025123400
0149 499 00 1025 1233

2609---6243

3552 9605 9601 2516 7164 0464 3581 3602 0125 0020

5680 9453 5816 6028 0832 5119 5642 2848 5970 6081
4227 7393 9891 2110 5439 0928 1677 4737 4956 2374
7917 6029 0527 8923 1093 8336 1632 9848 6503 8304
2415 5351 2381 7978 6714 0134 4370 4232 6512 5167
7884 5360 8267 0741 8060 0954 2189 9868 2945 6947
5973 6228 2813 8043 5630 9749 2706 0130 0904 5193
5928 4931 6771 3902 7291 3635 5041 0437 3552 5775
7606 4923 0864 8579 3284 9126 9408 4505 1372 9291
1728 0959 4858 7687 5641 8687 6741 7412 1860 1048-1

9446 5350 9071 6240 7489 3965 4371 4912 0125 0021
2481 9827 6156 9304 1868 8220 6584 2810 2686 2031
2090 4704 4587 3095 6751 4596 5205 0823 2364 8176
8912 2792 7678 7953 6457 5784 3439 0874 9362 5091
6739 4889 7251 4082 5332 6730 7831 7341 0730 3101
3719 2375 1974 5160 8029 0968 8289 8317 6724 2071
1483 6457 1513 3443 6328 7923 4562 8936 8107 6829
3854 1681 9635 7049 2067 4285 9005 4012 4605 0801
2547 9186 1301 4619 5926 6845 9897 3298 7492 9014
7307 6561 1315 4393 5252 1786 6241 5635 6857 7050-2

7019 2214 0307 5405 5481 4172 4815 9062 0125 0022
3871 7715 5104 5094 8829 2037 3186 4292 3732 9397
0328 2021 6362 4569 7351 8371 9937 9494 6825 0496
5853 4253 4109 6632 8724 8219 5690 3924 3163 6795
1909 4505 6457 9984 5189 6280 2394 8079 9425 3298
1721 3362 8603 8827 6088 4401 8143 4498 4780 2170
6795 0203 2158 6767 0392 6144 6851 4397 5050 8515
7674 3815 6165 1684 6863 2818 3040 8392 0639 7670
7631 7806 1072 7124 2964 1015 5847 5570 3692 7030
7603 1486 1674 2651 5121 0133 6419 8502 7340 5590-3

6231 9312 6905 7362 1223 4155 9615 3278 0125 0023
2984 6232 6136 2644 2308 7545 0316 1565 3576 2165
4825 8742 2765 5819 2443 2125 6337 5845 4207 3996
5836 0907 0904 3951 4221 9364 1209 6496 7108 8174
9803 8941 7960 7671 7430 8085 6176 8129 7375 7302
5461 2380 8359 4996 2305 6178 9671 5753 3925 6705
2168 4767 8241 0224 8660 5936 7338 4348 8103 8950
3408 0279 4803 8148 8019 9281 7595 7354 2697 1728
5109 0174 9749 2152 7034 1966 0673 6050 5209 4095
2419 8548 8123 1378 6053 8901 4048 8906 5477 8143-4

4381 6702 7935 2832 1674 9189 6131 4114 0125 0024
2690 2571 6633 2812 2372 9370 0264 1378 0849 5363
4030 6535 5941 4541 4240 8567 4809 0217 7676 6120
3806 7958 7176 4745 6498 1823 9475 5248 2850 0936
0749 4547 8126 7284 5682 6519 1091 5496 9654 7543
9190 6065 8786 2397 1347 3592 4312 0848 5076 9515
0989 6038 0173 5406 5358 0819 2754 8334 9498 2030
7889 5296 5158 7612 7009 7682 3108 6110 3038 1064
7558 0128 2921 3693 2995 0425 9273 7415 3223 8610
2747 1593 2490 4485 0817 9389 2973 6956 0185

QSL? HR NR 1138 TKS

4564 kHz, 30-10, 1054 UTC, OFDM-39 600Bd USB
2757 2757 2757 21 156 1 03-01-6202152 fb1870.txt
116 499 06 1030 1854

1777---19p
6590 2654 8217 9640 1381 9890 6072 3401 0047 0001
4782 743?9663 0576 3232 6389 1567 4670 6953 8279

1297 9703 4708 3237 5025 2143 3601 8621 0879 9102
4974 9730 5624 2610 8964 2557 4743 4724 7840 8208
3593 1313 0875 3964 2185 0974 9102 1209 7349 4859
9256 0356 8185 2335 1485 6730 8718 1401 4034 4943
3183 2156 5996 4905 9754 1629 6837 2569 6117 5276
2951 3818 5835 1427 7387 1580 5949 0495 2046 9167
6062 6031 1786 6839 4235 7525 4128 1901 3901 8934
4858 2602 6408 7237 5027 6182 5050 6087 5918 3086-1

2170 9214 6207 6130 1062 1530 8629 4801 0047 0002
9269 9448 5095 7165 8750 0369 5206 2483 5971 0498
7182 9831 9743 7135 4013 4201 2542 7486 6453 6247
203è¢#234 1304 4760 4201 9048 6720 5849 5693 4632
7238 3048 6427f?89 9846 2940 8068 1076 5032 6893
4789 9519 4937 9139 7648 3906 6703 1523 7561 6Q38
6187 7895 7620 4125 6197 0537 7820 1062 9316 1827
256`V$2 4257 1924 9085 6359 6153 0395 7590 5069
1857 1578 5731 18? 3580 1023 6980 4749 2480 2564
6219 1758 7392 5863 7359 4730 2870 9145 1637 4865-2

8526 9034 6142 8404 8619 9486 3973 3930 0047 0003
5180 9763 2574 0242 7979 4101 7516 6040 1583 1601
5323 8415 7808 8737 8419 9170 3998 7091 1213 10?
5977 7656 6976 9331 2856 5742 4668 2789 7272 3976
3944 2524 5085 0623 3208 7097 9613 4685 3403 6723
8101 6516 4221 8103 4187 7240 9261 3062 9526 2428
7821 1649 4546 1370 2950 95T'"9619 4743 8535 0937
0857 8485 8272 7020(5139 1086 0447 29w*?75 0484
0480 5463 8317 5805 2650 4213 2439 5901 3486 599
Gs©S! 6576 5853 3081 8146 1258 6265 5629 9?8 5230-3

8942 6ßK:?4 6437 5420 0264 4097 6950 0047 000$
0850 5195 5735 0289??2 2086 3208 1019 7306 3850
7660 6901 8962 8153 4318 3819 8571 8534 4037 2431
2949 7323 8019 5787 1767 1369 9534 2167 2376 1875
2739 7376 2974 4206 8046 2128 2184 8469?845 7196
4873 1071 6759 2082 4809 6156 1714 5154 6351 9874
3760 5736 ?07 8905 2742 7085 9643 6763 8102 5815
0934 2829 0658 0943 %?! 6913 6517 0639 7340 6392
9791 2572 3241 8502 9541 7529 ÔU?6218 4659 8296
5085 3803 3013 1421 4035 3146 2576 4738 0¿ùyb2980-4

2462 1350 3512 2130 401!0197 1870 8795 0p¦·&5?5
7905 4876 1971 9240 2696 8517 3497 5267!µq43 7463
4216€´¶23 2185 0472 4629 3057 2351 8163 7203 5310
0213 7236 0643 5964 3510 9372 9489 6892 8491 2839
5976 2695 5802 4872 1904 1526 7684 9854 1356 4809
2954 1463 9641 2631 9150 7364 5612 636 8930 9580
7341 3757 3014 6734 8350 9031 0678 1889 9547 1936
5047 8515 6329 9340 5406 8130 5683 6906 7028 5{3D?56
7415 4918 3827 7047 2673 5973 8047 5263 0258
7083 412x 1u07 2982 8095 9487 0562 6571 4716

WK NR

4564 kHz, 30-10, 1056 UTC, OFDM-39 600Bd USB
2818 2818 2818 11 152 135581030162156 fb9052.txt261030185529
119 499 06 1030 1856

1902---1777

7214 7932 4238 9819 8036 6891 2105 8730 0042 0001

9090 6961 5017 3587 4897 5437 9269 4120 0148 1450
7808 4567 4560 8149 3105 9203 9682 7192 7280 2993
1939 8630 4739 9381 1652 4653 4623 2604 2587 0531
4619 3464 5373 6790 3061 1201 3508 7475 5268 5309
1395 4306 7568 7847 4124 3607 2524 9345 9853 9564
3090 6806 7347 7249 8928 8137 9735 0135 6415 5495
1504 6493 9294 5803 5164 6528 7024 5616 7231 7617
0258 7237 2062 0578 4915 0810 8227 6716 6016 8768
7275 5483 0538 7892 4134 9558 1021 6259 1783 4086-1

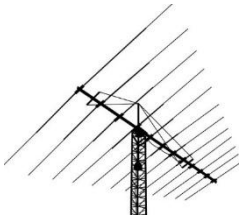
6120 5904 8762 8290 1692 2391 3674 6210 0042 0002
5267 8573 5130 5478 6530 2035 4517 0536 5083 5480
0165 1487 4095 9765 1593 7093 5318 1205 6741 9514
2057 8453 2759 8019 7651 0125 3173 6392 3475 3496
9481 3749 5309 6201 7540 7163 4680 1418 4079 2593
8796 0329 0471 0614 7948 4186 2187 6537 6849 9082
8907 3789 4735 2349 6420 4950 2031 6412 3148 8916
3846 2047 2548 4272 7618 9738 0425 1063 8339 6827
2489 1375 1852 8728 9350 4731 4097 7396 0729 2598
1506 2862 8170 9526 9760 2692 3681 3645 1476 9816-2

1531 9118 7892 4150 6401 9710 0324 3972 0042 0003
1905 8432 5675 5613 3470 9462 3782 3245 8063 0275
0851 5170 4925 2197 1984 9335 3419 4378 1798 6462
7093 3065 4909 3162 6989 9214 1736 2152 9538 9518
4971 0617 6106 9080 8754 6304 4368 7393 817 8093
3896 9421 1574 6378 5854 0180 6335 6801 8759 0525
ŠN209 4005 5456 2921 2415 2672 6872 8528 8227 1045
6028 7803 ?26 4614 3230 7370 2928 3028 5978 6354
6517 0430 0314 1490 2105 4226 4894 8713 6869 7937
8669 8051 4879 5439 3725 7686 7457 5614 7697 8272-3

6039 3970 9864 1072 ³h"éø?4 1914 6571 0042 0004
8305 1602 0237 6054 1905 3783 4279 ?09 9850 0361
9637 6850 6404 2371 6468 6503 3693 0893 5765 3987
1492 4693 2787 5160 1030 4657 9314 2483 5297 9756
9632 8991 4184 2078 2796 9571 2840 0704 4732 9625
2570 9808 4508 6512 8452 8030 0938 1494 8514 6584
1025 3165 3831 7327 9307 2726 5324 8602 1243 1845
5261 2361 5620 1745 1804 1813 5363 3146 7924 7804
9025 3495 2969 6751 2140 8672 9845 8764 4181 2959
5796 7279 7081 8051 1703 1523 9814 1987 8634 6426-4

4950 6275 3270 8758 7059 8102 4570 5054 0042 0005
3025 4978?783 0361 4989 6219 2158 3696 5317 8342
4860 1482 6438 4957 4592 4873 5634 1312 6495 3710
2849 7082 7415 8930 6972 1071 2816 6328 1832 7608
9645 9237 8713 7064 6534 5807 6085 6971 8384 5897
5196 6109 2748 5472 5602 125·Ý01 6817 4207 0248
2462 1920 5334 7821 3979 0841 5927 1237 5430 1389
5163 6902 6195 7023 5936 4284 1606 0912 1946 2357
6150 1439 6205 8935 0598 3589 2031 9768 7403 6329
3769 8?0 5974 9041 6837 3465 1978 6403 6438

×K NR 1032



DIPLOMATIC STATIONS

Diplomatic stations: North Korea

13800 kHz, 13-10, 0620 UTC, DPRK-ARQ 600/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
13800 kHz, 13-10, 0632 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow

Diplomatic stations: Russia

16060 kHz, 27-09, 0914 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
17430 kHz, 27-09, 1034 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
11438 kHz, 05-10, 0304 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
11462 kHz, 06-10, 0755 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels
18523 kHz, 06-10, 0837 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
12213 kHz, 09-10, 0744 UTC, MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva
9288 kHz, 09-10, 0823 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
15810 kHz, 11-10, 1035 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
17523 kHz, 13-10, 0807 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
11025 kHz, 13-10, 1151 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
19405 kHz, 15-10, 1138 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
12220 kHz, 15-10, 0649 UTC, MFSK-6	MFA Moscow clg 162543: Russian embassy Nicosia
17468 kHz, 15-10, 1508 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare`
13452 kHz, 19-10, 0650 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
14377 kHz, 19-10, 0724 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
14358 kHz, 20-10, 0835 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
13424 kHz, 20-10, 0825 UTC, MFSK-66	Russian diplo
18461 kHz, 20-10, 0845 UTC, MFSK-66	Russian diplo
20605 kHz, 23-10, 1021 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
17421 kHz. 24-10, 1133 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
12126 kHz, 24-10, 1119 UTC, MFSK-6	MFA Moscow clg 521634: Russian embassy Bucharest
17421 kHz, 24-10, 1136 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
16117 kHz, 26-10, 0938 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 27-10, 0804 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
11025 kHz, 27-10, 1144 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
18177 kHz, 28-10, 0749 UTC, MFSK-6	MFA Moscow clg 164253: Russian embassy Addis Ababa
16116 kHz, 28-10, 0846 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis

Diplomatic stations: U.S.A.

8058.6 kHz, 19-10, 0739 UTC, MIL-STD-188-141-ALE	KWT92: Unid US DoS station sounding
8058.6 kHz, 19-10, 0740 UTC, MIL-STD-188-141-ALE	KWT91: US Embassy Berlin clg KWT92: Unid US DoS station
8058.6 kHz, 19-10, 0810 UTC, MIL-STD-188-141-ALE	KWT90: Unid US DoS station sounding
8058.6 kHz, 19-10, 0811 UTC, MIL-STD-188-141-ALE	KWT91: US Embassy Berlin sounding
8058.6 kHz, 19-10, 0815 UTC, MIL-STD-188-141-ALE	KWT??: Unid US DoS station clg KVX50: US Embassy Moscow
16283.6 kHz, 28-10, 1454 UTC, MIL-STD-188-141-ALE	KWK98OS: US Consulate General Merida clg KWK95: US Consulate General Nogales
16283.6 kHz, 28-10, 1942 UTC, MIL-STD-188-141-ALE	KWK98OS: US Consulate General Merida off site clg KWK96: US embassy Mexico

SPECIAL PURPOSE RADIO STATIONS

Hiram reports a station that is possibly related tot he former PSYOP station on 6911 kHz. Thanks fort he report.

Quote:
For the past few days, I've been monitoring the marker on 6806 kHz. Early one morning this week, the marker suddenly stopped transmitting, and instead, a short voice message was broadcast. Unfortunately, I was too late to start recording the speaker had already finished by the time I could press the record button. So I decided to stay on the frequency and carried out a 17 hour IQ recording. Fortunately, yesterday on 02.09.2026 at 21:16 UTC, two short messages were transmitted.

Внимание, внимание! Ракетная опасность, ракетная опасность всем базовым районам, приборам и автомобилям. Ракетная опасность в направлении северо-границы. Ракетная опасность в направлении северо-границы.

Attention, attention! Missile danger, missile danger to all base areas, instruments and vehicles. Missile danger towards the northern border. Missile danger towards the northern border.

Внимание, внимание, ракетная опасность, ракетная опасность всем базовым районам по львовным автомобилям и опорным пунктам. Ракетная опасность, стоп-машины, всем укрытия движения заключено.

Attention, attention, missile danger, missile danger to all base areas in Lviv vehicles and strongholds. Missile danger, stop cars, all movement shelters are enclosed.

Lviv: 49,8434° N 24,0265° O

04.10.2026 03:52 UTC
Внимание, ракетная опасность, ракетная опасность в базовом районе, полигонах, автомобилях, патрульных пунктах, ракетная опасность в базовом районе и полигонах, автомобилях, патрульных пунктах, стоп-машинах, всем укрытиям,всем укрытиям.

Attention, missile threat; missile threat in the base area, at training grounds, for vehicles and patrol posts; missile threat in the base area, at training grounds, for vehicles, patrol posts, and stationary vehicles; all personnel to shelters, all personnel to shelters.

04.10.2026 03:58 UTC
Ракетная атака, ракетная атака. База военных приборов и кабельных бортов. Ракетная атака. База военных приборов и кабельных бортов. Стоп машина. Всем укрыться, всем укрыться. Движение.

Missile attack, missile attack. Military instrumentation and cable assembly base. Missile attack. Military instrumentation and cable assembly base. Stop engines. Take cover, everyone take cover. Movement.

Unquote



UTILITY ROUND-UP

Unid stations

6976.8 kHz, 01-10, 0050 UTC XXX XXX MSK 090545 R 240222 K long dash
6976.8 kHz, 01-10, 0123 UTC XXX XXX MSK 090545 R 240222 K long dash

17472 kHz, 28-10, 0730 UTC, MFSK-11

Russian PtP stations

5921 kHz, 17-10, 2000 UTC, FSK 50/500
YIKFUJ RTHZLIHCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPVCAUJ RTHZLQPCAUJ RTHZLQPKFUJ RTHZLQPVCAUJ R 3/SGJCKZ (repeated)



RUSSIAN MILITARY

Voice transmissions

Military contingents from Belarus, Russia, Kazakhstan, Kyrgyzstan, and Tajikistan participated in exercises “Unbreakable Brotherhood” and “Barrier”. The exercises took place in Belarus from11 to 17 October.

There was a lot of voice traffic on the frequencies 4825 and 5135 kHz.

14.10.2026 0600z 5135 kHz, 14-10, 0600 UTC
На пульте изъяли, тропик 92, приём. На тропик 92 вы получаете приём. Я тропик 92, получаю вату 4 балла, вам теперь на приём,приём.

The remote control was confiscated, Tropic 92, over. On Tropic 92 you get reception. I'm Tropic 92, I get 4 points, you're welcome now, welcome.

Buzzer traffic:
4625 kHz. 26-10, 1121 UTC ZAI 22 104 AROPOD 44
4625 kHz, 26-10, 1253 UTC ZTI 99891 AMADRILL 85 39 00 74 Prinyal

Morse transmissions

7542 kHz, 01-10, 1612 UTC. K3OB clg outstations
VVV
ZINJ DE K3OB K
RK
AWVY DE K3OB K
RK
3VMC DE K3OB K
RK
AUIK DE K3OB K
RK
QMQ3 DE K3OB K
RK
Y9OO DE K3OB K
RK
6P6Z DE K3OB K
BK RPT K
RK
PMS1 DE K3OB K
RK
8O1N DE K3OB K
RK

7542 kHz, 02-10, 1403 UTC. K3OB clg outstations
VVV
ZINJ DE K3OB K
RK
AWVY DE K3OB K
RK
3VMC DE K3OB K
RPT K
RPT K
RK
AUIK DE K3OB K
RK
QMQ3 DE K3OB K
RK
Y9OO DE K3OB K
RK
6P6Z DE K3OB K
BK RPT K
RK
PMS1 DE K3OB K
RK
8O1N DE K3OB K
RK
off

7542 kHz, 11-10
XXX XXX LA8K LA8K 96897 FALXШUEШER 0576 7155 K

6888//7746 kHz, 08-10, 0952 UTC
XXX XXX A2CA A2CA 63099 POLBOTOH (?) 6207 4883 RABOLARX 2155 2470 MEDALXKA 3350 6150 BRIZOЧET 0315 6256 KAOLIN 8062 2314 SLЯBOSERB 23 EEEEEEEEEthen message repeated with correct ending … KAOLIN 8062 2314 SLЯBOSERB 3214 8638

8112 kHz, 11-10
XXX XXX IQ4O IQ40 89550 ALXBIGOEC 2464 6492 K

17454 kHz, 15-10, 0950 UTC
C4P4 C4P4 C4P4 DE 7QW5 7QW5 K
RK
7NKR 7NKR 7NRK DE 7QW5 7QW5 K
RK
IEB2 IEB2 IEB2 DE 7QW5 7QW5 K
RK
L4QO L4QO L4QU DE 7QW5 7QW5 QLN K
DS5X DS5X DS5X DE 7QW5 7QW5 QLN K

1015 UTC:
XXX XXX XHOP XHOP 76913 BRASODRUG 7075 3874 SPORTSAINKA 8113 9555 K

1022 UTC:
XXX XXX H7Q6 H7Q6 DQJG DQJG 02413 LEIOBTKI 8716 8515 K

1030 UTC:
XXX XXX 24YO 24YO 38870 51075 56840 ARAPOShTAB 7769 5109 K

17454 kHz, 22-10, 1011-1027 UTC
i.p. OP2Z R 3T5 K

1RZV 1RZV 1RZV QTC ZGE AR
1RZV 1RZV 1RZV QTC ZGE AR
1RZV 1RZV 1RZV QTC ZGE AR

OP2Z OP2Z OP2Z 293 23 22 1308 293 = ZGE 206 =
DDDDD WShDTO TNVAR SAZSP RYaNOR SAZSP RYaNOR SAZSP RYaNOR OYuIYW
AOYuShQ ZPDKM GDYyAyA FAIACh OGLWCh OOYuDW FWFUW QHHAI LSZIU WWPyAO 116 K

I2FP I2FP I2FP DE OPSZ OP2Z R 293 ? K
9KQ9 9KQ9 9KQ9 DE OP2Z OP2Z R 293 ? K
4YEJ 4YEJ 4YEJ DE OP2Z OP2Z R 293 ? K
3DLM 3DLM 3DLM DE OP2Z OP2Z R 293 ? K
B8PZ B8PZ B8PZ DE OP2Z OP2Z R 293 ? K
F6SF F6SF F6SF DE OP2Z OP2Z R 293 ? K



LOGBOOK

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	10-10	1418	7902	Sat	2821 809 11 809 610222010162531fb0409.txt261010221807 + message	OFDM-39 USB	(VSh/Nept)
---	10-10	1444	4855	Sat	1275 5 11 221 013522010162301fb0630.txt	OFDM-39 LSB	(VSh/Nept)
---	11-10	0703	13384	Sun	1269 11 222 1 11-01-6202111 fb0709.txt	OFDM-39 USB	(VSh/Nept)
---	11-10	0825	10917	Sun	182567 186553 192350 ... 2291 11 111 936261110162222fb1732.txt	OFDM-39 USB	(VSh/Nept)
---	17-10	1040	7340	Sat	3276/CCK 191 78 1017 0935 CQ 8390---8477 8554 ...	OFDM-39 USB	(VSh/Nept)
---	18-10	0744	8824	Sun	1320 11 222 711451810162154fb0784.txt	OFDM-39 USB	(VSh/Nept)
---	19-10	1032	5732	Mon	1251 11 446 4 h? = 91-01-6202194 fb8535.txt 484 201 72 1019 1830 + message	OFDM-39 USB	(VSh/Nept)
---	23-10	0509	8028	Fri	1908 1908 1908 XXXXJGJGXXX 11 153 302131320162141fb0230.txt	OFDM-39 LSB	(VSh)
---	23-10	0814	8025	Fri	2073 11 207 707161320162216fb2423.txt261023160931	OFDM-39 USB	(VSh/Nept)
---	23-10	1222	9187	Fri	1214 11 453 220202320162281fb1771.txt	OFDM-39 USB	(VSh/Nept)
---	23-10	1300	7816	Fri	268 11 222 2 32-01-6202111 fb5646.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0243	11555	Sat	Male and female operators and OFDM. 2828 11 477 542401420162358fb0202.txt 261024104039	OFDM-39 USB	(VSh/Nept)
---	24-10	0435	10478	Sat	2828 11 477 534321520162694 fb3774.txt261025123400	OFDM-39 USB	(VSh/Nept)
---	24-10	0456	10320	Sat	1251 11 208 4:-01-6202378 fb3288.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0526	10892	Sat	1251 11 249 1 42-01-6202512 fb8683.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0759	7345	Sat	1275 11 412 548551420162562 fb0660.txt	OFDM-39 LSB	(VSh/Nept)
---	24-10	0808	7345	Sat	1275 11 412 525180201030321 fb0996.txt	OFDM-39 LSB	(VSh/Nept)
---	24-10	0833	8092	Sat	2302 11 909 522361420162356 fb2568.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0833	8092	Sat	2302 11 909 522361420162356 fb2568.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0844	7846	Sat	2821 11 294 344461420162178 fb1604.txt	OFDM-39 USB	(VSh/Nept)
---	24-10	0844	7846	Sat	2821 11 294 344461420162178 fb1604.txt	OFDM-39 USB	(VSh/Nept)
---	25-10	0509	10681	Sun	3317 11 318 1 52-01-6202682 fb3991.txt	OFDM-39 USB	(VSh/Nept)
---	25-10	0529	10372	Sun	179 11 144 140331520162289fb1140.txt	OFDM-39 USB	(VSh/Nept)
---	28-10	0730	17472	Wed	Unid	MFSK-11	(AB)
---	30-10	1054	4564	Fri	2757 21 156 1 03-01-6202152 fb1870.txt	OFDM-39 USB	(VSh/Nept)
---	30-10	1056	4564	Fri	2818 11 152 135581030162156 fb9052.txt261030185529	OFDM-39 USB	(VSh/Nept)
E06	25-10	1611	10755	Sun	346 (R2m) 197 197 111 00000 00000	USB	(PY)
E06	26-10	1317	10755	Mon	111 (R) test ton	USB	(PY)
E06	27-10	1048	10755	Tue	111 111 00000 (R 10m) Test tones 975 (R) 000 000 00 00 1111 00088 19644	USB	(PY)

					___44 09362 ... 14168 11111 00022 Test tones. Windows sounds		
E06	27-10	1106	10755	Tue	Windows sounds	USB	(PY)
E06	27-10	1112	10755	Tue	Test tones. Windows sounds	USB	(PY)
E06	27-10	1116	10755	Tue	Windows sounds	USB	(PY)
E06	27-10	1118	10755	Tue	Windows sounds	USB	(PY)
E06	27-10	1131	10755	Tue	975 000 000 00000 11111 11111 975 ... ..33 97582 ... 9162 24813 __68 11111 00000 11111 00000 975 Windows sounds	USB	(PY)
E06	27-10	1146	10755	Tue	Test tone. Windows sound	USB	(PY)
E07	1-10	1000	17456	Thu	428 428 428 000	USB	(AB/Lac)
E07	1-10	1020	16291	Thu	428 428 428 000	USB	(AB/Lac)
E07	2-10	1500	17461	Fri	413 413 413 1 7507 73 7507 73 36107 53695 95541 ... 12643 00631 77338 000 000	USB	(AB)
E07	2-10	1520	16161	Fri	413 413 413 1 7507 73 7507 73 36107 53695 95541 ... 12643 00631 77338 000 000	USB	(AB)
E07	2-10	1540	14361	Fri	413 413 413 1 7507 73 7507 73 36107 53695 95541 ... 12643 00631 77338 000 000	USB	(AB)
E07	3-10	1000	17456	Sat	428 428 428 000	USB	(AB)
E07	3-10	1020	16291	Sat	428 428 428 000	USB	(AB)
E07	6-10	1500	17461	Tue	413 413 413 000	USB	(AB/Lac)
E07	6-10	1520	16161	Tue	413 413 413 000	USB	(AB/Lac)
E07	8-10	1000	17456	Thu	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB/Lac)
E07	8-10	1020	16291	Thu	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB/Lac)
E07	8-10	1040	14893	Thu	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB/Lac)
E07	9-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	9-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	10-10	1000	17456	Sat	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB)
E07	10-10	1020	16291	Sat	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB)
E07	10-10	1040	14893	Sat	428 428 428 1 8992 155 8992 155 78580 22107 55448 ... 41251 71625 62783 000 000	USB	(AB)
E07	13-10	1500	17461	Tue	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB/RL-HOL/Lac)
E07	13-10	1520	16161	Tue	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB/Lac)
E07	13-10	1540	14361	Tue	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB/Lac)
E07	15-10	1000	17456	Thu	428 428 428 000	USB	(AB)
E07	15-10	1020	16291	Thu	428 428 428 000	USB	(AB)

E07	16-10	1500	17461	Fri	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB)
E07	16-10	1520	16161	Fri	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB)
E07	16-10	1540	14361	Fri	413 413 413 1 9755 111 9755 111 67075 12671 24976 ... 36342 25663 38032 000 000	USB	(AB)
E07	17-10	1000	17456	Sat	428 428 428 000	USB	(AB/GR2)
E07	17-10	1020	16291	Sat	428 428 428 000	USB	(AB/GR2)
E07	20-10	1500	17461	Tue	413 413 413 000	USB	(AB)
E07	20-10	1520	16161	Tue	413 413 413 000	USB	(AB)
E07	22-10	1000	17456	Thu	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB/Lac)
E07	22-10	1027	14893	Thu	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB/Lac)
E07	22-10	1027	16291	Thu	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB/Lac)
E07	23-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	23-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	24-10	1000	17456	Sat	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB)
E07	24-10	1027	14893	Sat	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB)
E07	24-10	1027	16291	Sat	428 428 428 1 5349 224 5349 224 49396 53893 46269 ... 20183 78544 96252 000 000	USB	(AB)
E07	27-10	1500	17461	Tue	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB/Lac)
E07	27-10	1520	16161	Tue	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB/Lac)
E07	27-10	1540	14361	Tue	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB/Lac)
E07	29-10	1000	17456	Thu	428 428 428 000	USB	(AB)
E07	29-10	1027	16291	Thu	428 428 428 000	USB	(AB)
E07	30-10	1500	17461	Fri	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB)
E07	30-10	1520	16161	Fri	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB)
E07	30-10	1540	14361	Fri	413 413 413 1 3882 162 3882 162 94192 68280 17251 ... 43524 91087 59203 000 000	USB	(AB)
E07	31-10	1000	17456	Sat	428 428 428 000	USB	(AB)
E07	31-10	1027	16291	Sat	428 428 428 000	USB	(AB)
E11	1-10	0600	08680	Thu	355/00 Out	USB	(Subilo)
E11	1-10	0645	13470	Thu	510/00 Out	USB	(AB/Subilo)
E11	1-10	0720	8423	Thu	432/00 Out	USB	(AB/Lac/Subilo)

E11	1-10	0745	26756	Thu	225/00 Out	USB	(AB/Lac)
E11	1-10	0845	18168	Thu	156/00 Out	USB	(AB/Lac/Subilo)
E11	1-10	0930	6940	Thu	270/00 Out	USB	(AB/Lac/Subilo)
E11	1-10	1230	12530	Thu	331/00 Out	USB	(AB/Subilo)
E11	1-10	1300	5371	Thu	316/00 Out	USB	(AB/Lac/Subilo)
E11	1-10	1630	12530	Thu	331/00 Out	USB	(Subilo)
E11	1-10	2000	5737	Thu	521/00 Out	USB	(AB/Subilo)
E11	2-10	0600	8680	Fri	355/00 Out	USB	(AB)
E11	2-10	0830	20170	Fri	188/00 Out	USB	(AB/Lac/Subilo)
E11	2-10	1000	9951	Fri	307/00 Out	USB	(AB/Lac/Subilo)
E11	2-10	1020	17410	Fri	349/00 Out	USB	(AB/Lac/Subilo)
E11	2-10	1715	6923	Fri	970/00 Out	USB	(AB/Subilo)
E11	2-10	1815	11116	Fri	927/00 Out	USB	(AB/Subilo)
E11	2-10	1910	8530	Fri	617/00 Out	USB	(AB/Subilo)
E11	3-10	0700	9079	Sat	495/00 Out	USB	(AB/Subilo)
E11	3-10	1430	14972	Sat	917/00 Out	USB	(TM/Subilo)
E11	3-10	1610	4181	Sat	394/00 Out	USB	(TM/Subilo)
E11	3-10	1645	4505	Sat	366/00 Out	USB	(TM/Subilo)
E11	4-10	0600	8680	Sun	358/00 Out	USB	(TM/Subilo)
E11	4-10	0700	9079	Sun	497/00 Out	USB	(TM/Subilo)
E11	4-10	1605	5176	Sun	237/00 Out	USB	(AB/Subilo)
E11	4-10	1645	4505	Sun	363/00 Out	USB	(AB/Subilo)
E11	4-10	1745	13470	Sun	246/00 Out	USB	(AB)
E11	4-10	1815	11116	Sun	922/00 Out	USB	(AB/Subilo)
E11	4-10	1910	08530	Sun	610/00 Out	USB	(Subilo)
E11	4-10	2000	5737	Sun	524/00 Out	USB	(AB/Subilo)
E11	5-10	0600	23353	Mon	942/00 Out	USB	(AB/Subilo)
E11	5-10	0645	9610	Mon	418/00 Out	USB	(AB)
E11	5-10	0715	19515	Mon	759/00 Out	USB	(AB/Lac/Subilo)
E11	5-10	0745	10213	Mon	262/00 Out	USB	(AB/Lac/Subilo)
E11	5-10	0830	20170	Mon	184/00 Out	USB	(AB/Lac/Subilo)
E11	5-10	0845	12202	Mon	718/00 Out	USB	(AB/Lac)
E11	5-10	0900	13117	Mon	535/00 Out	USB	(AB/Lac/Subilo)
E11	5-10	1045	12385	Mon	691/00 Out	USB	(AB/Lac/Subilo)
E11	5-10	1745	13470	Mon	247/00 Out	USB	(AB)
E11	6-10	0645	13470	Tue	511/00 Out	USB	(AB/Subilo)
E11	6-10	0700	8180	Tue	576/00 Out	USB	(AB/Lac/Subilo)
E11	6-10	0715	10213	Tue	635/00 Out	USB	(AB/Lac)
E11	6-10	0745	26756	Tue	229/00 Out	USB	(AB-POL/Lac)
E11	6-10	0820	19184	Tue	133/00 Out	USB	(Subilo)
E11	6-10	0845	18168	Tue	152/00 Out	USB	(AB-POL/Lac/Subilo)

E11	6-10	0930	19184	Tue	133/00 Out	USB	(AB-POL/Lac)
E11	6-10	1000	9951	Tue	305/00 Out	USB	(AB/Lac/Subilo)
E11	6-10	1230	12530	Tue	337/00 Out	USB	(AB/Lac)
E11	6-10	1430	14972	Tue	911/00 Out	USB	(AB/Lac/Subilo)
E11	6-10	1630	12530	Tue	337/00 Out	USB	(Subilo)
E11	7-10	0600	23353	Wed	945/00 Out	USB	(AB/Subilo)
E11	7-10	0645	9610	Wed	414/00 Out	USB	(AB)
E11	7-10	0715	19515	Wed	754/00 Out	USB	(AB/Subilo)
E11	7-10	0745	17410	Wed	349/00 Out	USB	(AB/Subilo)
E11	7-10	0820	19184	Wed	133/00 Out	USB	(AB/Subilo)
E11	7-10	0845	12202	Wed	715/00 Out	USB	(AB/Lac)
E11	7-10	0900	13117	Wed	537/00 Out	USB	(AB/Subilo)
E11	7-10	0930	6940	Wed	277/00 Out	USB	(AB/Lac/Subilo)
E11	7-10	1045	12385	Wed	697/00 Out	USB	(AB)
E11	7-10	1045	12202	Wed	715/00 Out	USB	(Subilo)
E11	7-10	1045	12385	Wed	697/00 Out	USB	(Subilo)
E11	7-10	1610	4181	Wed	391/00 Out	USB	(AB/Lac/Subilo)
E11	8-10	0645	13470	Thu	515/00 Out	USB	(AB/Subilo)
E11	8-10	0720	8423	Thu	432/00 Out	USB	(AB/Subilo)
E11	8-10	0745	26756	Thu	228/00 Out	USB	(AB)
E11	8-10	0845	18168	Thu	155/00 Out	USB	(AB/Subilo)
E11	8-10	0930	6940	Thu	277/00 Out	USB	(AB/Subilo)
E11	8-10	1230	12530	Thu	337/00 Out	USB	(AB/Lac)
E11	8-10	1530	10330	Thu	260/00 Out	USB	(AB/Subilo)
E11	8-10	1630	12530	Thu	337/00 Out	USB	(Subilo)
E11	8-10	2000	5737	Thu	525/00 Out	USB	(AB/Subilo)
E11	9-10	0600	8680	Fri	354/00 Out	USB	(AB/Subilo)
E11	9-10	0700	8180	Fri	579/00 Out	USB	(AB/Subilo)
E11	9-10	0715	10213	Fri	639/00 Out	USB	(AB)
E11	9-10	0720	8423	Fri	435/00 Out	USB	(AB/Subilo)
E11	9-10	0830	20170	Fri	181/00 Out	USB	(AB/Lac/Subilo)
E11	9-10	1000	9951	Fri	304/00 Out	USB	(AB/Subilo)
E11	9-10	1020	17410	Fri	342/00 Out	USB	(AB/Subilo)
E11	10-10	1430	14972	Sat	910/00 Out	USB	(AB/Subilo)
E11	10-10	1610	4181	Sat	392/00 Out	USB	(AB/Subilo)
E11	10-10	1645	4505	Sat	364/00 Out	USB	(AB/Subilo)
E11	11-10	1645	4505	Sun	365/00 Out	USB	(AB/Subilo)
E11	11-10	1745	13470	Sun	248/00 Out	USB	(AB)
E11	11-10	2000	5737	Sun	528/00 Out	USB	(AB/Subilo)
E11	12-10	0315	12630	Mon	250/00 Out	USB	(AB/Subilo)
E11	12-10	0600	23353	Mon	941/00 Out	USB	(AB/Subilo)
E11	12-10	0645	9610	Mon	412/00 Out	USB	(AB/Lac)

E11	12-10	0745	10213	Mon	267/00 Out	USB	(AB/Lac/Subilo)
E11	12-10	0830	20170	Mon	184/00 Out	USB	(AB/Lac/Subilo)
E11	12-10	0900	13117	Mon	530/00 Out	USB	(AB/Lac/Subilo)
E11	12-10	1045	12385	Mon	696/00 Out	USB	(AB/Lac/Subilo)
E11	12-10	1300	5371	Mon	312/00 Out	USB	(AB/Lac/Subilo)
E11	12-10	1900	7317	Mon	649/00 Out	USB	(AB/Subilo)
E11	13-10	0645	13470	Tue	510/00 Out	USB	(AB/Subilo)
E11	13-10	0700	8180	Tue	579/00 Out	USB	(AB/Lac/Subilo)
E11	13-10	0715	10213	Tue	634/00 Out	USB	(AB/Subilo)
E11	13-10	0745	26756	Tue	228/00 Out	USB	(AB-POL)
E11	13-10	0845	18168	Tue	156/00 Out	USB	(AB/Lac/Subilo)
E11	13-10	1000	9951	Tue	306/00 Out	USB	(AB/Subilo)
E11	13-10	1205	9399	Tue	469/00 Out	USB	(AB/Subilo)
E11	13-10	1430	14972	Tue	918/00 Out	USB	(AB/Subilo)
E11	13-10	1605	5176	Tue	230/00 Out	USB	(AB/Subilo)
E11	14-10	0315	12630	Wed	252/00 Out	USB	(AB/Subilo)
E11	14-10	0600	23353	Wed	946/00 Out	USB	(AB-POL/Subilo)
E11	14-10	0645	9610	Wed	410/00 Out	USB	(AB)
E11	14-10	0900	13117	Wed	533/00 Out	USB	(AB/Subilo)
E11	14-10	1045	12385	Wed	693/00 Out	USB	(AB/Subilo)
E11	14-10	1205	9399	Wed	463/00 Out	USB	(AB/Subilo)
E11	14-10	1610	4181	Wed	391/00 Out	USB	(AB/Subilo)
E11	14-10	1715	6923	Wed	975/00 Out	USB	(AB/Subilo)
E11	15-10	0645	13470	Thu	517/00 Out	USB	(AB/Subilo)
E11	15-10	0720	8423	Thu	434/00 Out	USB	(AB/Subilo)
E11	15-10	0745	26756	Thu	221/00 Out	USB	(AB)
E11	15-10	0845	18168	Thu	151/00 Out	USB	(AB/Subilo)
E11	15-10	1300	5371	Thu	312/00 Out	USB	(AB/Subilo)
E11	15-10	1530	10330	Thu	260/00 Out	USB	(AB/Subilo)
E11	15-10	1900	7317	Thu	641/00 Out	USB	(AB/Subilo)
E11	15-10	2000	5737	Thu	527/00 Out	USB	(AB)
E11	16-10	0600	8680	Fri	355/00 Out	USB	(AB/Subilo)
E11	16-10	0700	8180	Fri	No transmission	USB	(AB/Subilo)
E11	16-10	0715	10213	Fri	No transmission	USB	(AB)
E11	16-10	0720	8423	Fri	No transmission	USB	(AB)
E11	16-10	0720	09446	Fri	No transmission.	USB	(Subilo)
E11	16-10	0830	20170	Fri	181/00 Out	USB	(AB-POL/Subilo)
E11	16-10	1000	9951	Fri	309/00 Out	USB	(AB/Subilo)
E11	16-10	1715	6923	Fri	976/00 Out	USB	(AB)
E11	16-10	1815	11116	Fri	927/00 Out	USB	(AB)
E11	16-10	1910	8530	Fri	618/00 Out	USB	(AB/RL-HOL)
E11	17-10	0700	9079	Sat	491/00 Out	USB	(AB/Subilo)

E11	17-10	1430	14972	Sat	918/00 Out	USB	(AB/Subilo)
E11	17-10	1610	4181	Sat	396/00 Out	USB	(AB/GR2/Subilo)
E11	17-10	1645	4505	Sat	367/00 Out	USB	(AB/GR2/Subilo)
E11	18-10	0600	8680	Sun	352/00 Out	USB	(AB/GR2/Subilo)
E11	18-10	0700	9079	Sun	491/00 Out	USB	(AB/GR2/Subilo)
E11	18-10	1605	5176	Sun	230/00 Out	USB	(AB/GR2/Subilo)
E11	18-10	1645	4505	Sun	365/00 Out	USB	(AB/GR2/Subilo)
E11	18-10	1815	11116	Sun	929/00 Out	USB	(AB/Subilo)
E11	18-10	1910	8530	Sun	613/00 Out	USB	(AB/Subilo)
E11	18-10	2000	5737	Sun	520/00 Out	USB	(AB/Subilo)
E11	19-10	0315	12630	Mon	251/00 Out	USB	(Subilo)
E11	19-10	0600	23353	Mon	949/00 Out	USB	(AB/Subilo)
E11	19-10	0645	9610	Mon	414/00 Out	USB	(AB)
E11	19-10	0715	19515	Mon	754/00 Out	USB	(AB/Subilo)
E11	19-10	0745	10213	Mon	262/00 Out	USB	(AB/Subilo)
E11	19-10	0830	20170	Mon	184/00 Out	USB	(AB/Subilo)
E11	19-10	0845	12202	Mon	718/00 Out	USB	(AB)
E11	19-10	0900	13117	Mon	532/00 Out	USB	(AB/Subilo)
E11	19-10	1045	12385	Mon	696/00 Out	USB	(AB)
E11	19-10	1045	12202	Mon	718/00 Out	USB	(Subilo)
E11	19-10	1045	12385	Mon	696/00 Out	USB	(Subilo)
E11	19-10	1300	5371	Mon	312/00 Out	USB	(AB/Subilo)
E11	19-10	1745	13470	Mon	248/00 Out	USB	(AB)
E11	19-10	1900	7317	Mon	641/00 Out	USB	(AB)
E11	20-10	0700	8180	Tue	575/00 Out	USB	(AB/Subilo)
E11	20-10	0715	10213	Tue	631/00 Out	USB	(AB)
E11	20-10	0745	26756	Tue	223/00 Out	USB	(AB-POL)
E11	20-10	0845	18168	Tue	157/00 Out	USB	(AB/Subilo)
E11	20-10	0845	19184	Tue	134/00 Out	USB	(AB-POL)
E11	20-10	1000	9951	Tue	307/00 Out	USB	(AB/Subilo)
E11	20-10	1205	9399	Tue	465/00 Out	USB	(AB/Subilo)
E11	20-10	1230	12530	Tue	334/00 Out	USB	(AB)
E11	20-10	1605	5176	Tue	232/00 Out	USB	(AB/Subilo)
E11	20-10	1630	12530	Tue	334/00 Out	USB	(Subilo)
E11	21-10	0315	12630	Wed	255/00 Out	USB	(Subilo)
E11	21-10	0600	23353	Wed	940/00 Out	USB	(AB/Subilo)
E11	21-10	0645	9610	Wed	410/00 Out	USB	(AB)
E11	21-10	0715	19515	Wed	759/00 Out	USB	(AB/Subilo)
E11	21-10	0745	17410	Wed	347/00 Out	USB	(AB/Subilo)
E11	21-10	0820	19184	Wed	132/00 Out	USB	(AB/Subilo)
E11	21-10	0845	12202	Wed	710/00 Out	USB	(AB)
E11	21-10	0900	13117	Wed	535/00 Out	USB	(AB/Subilo)

E11	21-10	0930	6940	Wed	278/00 Out	USB	(AB/Subilo)
E11	21-10	1045	12202	Wed	710/00 Out	USB	(AB/Subilo)
E11	21-10	1045	12385	Wed	697/00 Out	USB	(AB/Subilo)
E11	21-10	1205	9399	Wed	461/00 Out	USB	(AB/Subilo)
E11	21-10	1715	6923	Wed	978/00 Out	USB	(AB/Subilo)
E11	22-10	0720	8423	Thu	439/00 Out	USB	(AB/Lac/Subilo)
E11	22-10	0745	26756	Thu	224/00 Out	USB	(AB/Subilo)
E11	22-10	0845	18168	Thu	151/00 Out	USB	(AB/Lac/Subilo)
E11	22-10	0930	6940	Thu	276/00 Out	USB	(AB/Lac/Subilo)
E11	22-10	1230	12530	Thu	337/00 Out	USB	(AB)
E11	22-10	1300	5371	Thu	310/00 Out	USB	(AB/Subilo)
E11	22-10	1530	10330	Thu	264/00 Out	USB	(AB/Subilo)
E11	22-10	1530	10330	Thu	264/00 Out	USB	(Subilo)
E11	22-10	1630	12530	Thu	337/00 Out	USB	(Subilo)
E11	22-10	1900	7317	Thu	649/00 Out	USB	(AB/Subilo)
E11	22-10	2000	5737	Thu	527/00 Out	USB	(AB/Subilo)
E11	23-10	0700	8180	Fri	576/00 Out	USB	(AB/Subilo)
E11	23-10	0715	10213	Fri	634/00 Out	USB	(AB)
E11	23-10	0720	8423	Fri	430/00 Out	USB	(AB/Subilo)
E11	23-10	0830	20170	Fri	188/00 Out	USB	(AB/Subilo)
E11	23-10	1000	9951	Fri	302/00 Out	USB	(AB/Subilo)
E11	23-10	1020	17410	Fri	348/00 Out	USB	(AB/Subilo)
E11	23-10	1715	6923	Fri	975/00 Out	USB	(AB/Subilo)
E11	23-10	1815	11116	Fri	927/00 Out	USB	(AB/Subilo)
E11	23-10	1910	8530	Fri	612/00 Out	USB	(AB-POL/Subilo)
E11	24-10	0700	9079	Sat	490/00 Out	USB	(AB/Subilo)
E11	25-10	0700	9079	Sun	498/00 Out	USB	(AB/Subilo)
E11	25-10	1605	5176	Sun	233/00 Out	USB	(AB/Subilo)
E11	25-10	1745	13470	Sun	244/00 Out	USB	(AB)
E11	25-10	1815	11116	Sun	921/00 Out	USB	(AB/Subilo)
E11	25-10	1910	8530	Sun	611/00 Out	USB	(AB/Subilo)
E11	25-10	2000	5737	Sun	522/00 Out	USB	(AB/Subilo)
E11	26-10	0315	12630	Mon	258/00 Out	USB	(Subilo)
E11	26-10	0715	19515	Mon	752/00 Out	USB	(AB/Subilo)
E11	26-10	0845	12202	Mon	716/00 Out	USB	(AB)
E11	26-10	1045	12202	Mon	716/00 Out	USB	(Subilo)
E11	26-10	1300	5371	Mon	311/00 Out	USB	(AB/Subilo)
E11	26-10	1745	13470	Mon	Unreadable	USB	(AB)
E11	26-10	1900	7317	Mon	649/00 Out	USB	(AB/Subilo)
E11	27-10	0645	13470	Tue	511/00 Out	USB	(AB/Subilo)
E11	27-10	0845	19184	Tue	131/00 Out	USB	(AB/Subilo)
E11	27-10	1205	9399	Tue	465/00 Out	USB	(AB/Subilo)

E11	27-10	1230	12530	Tue	332/00 Out	USB	(AB)
E11	27-10	1430	14972	Tue	910/00 Out	USB	(AB/Subilo)
E11	27-10	1605	5176	Tue	230/00 Out	USB	(AB/Subilo)
E11	27-10	1630	12530	Tue	332/00 Out	USB	(Subilo)
E11	28-10	0315	12630	Wed	253/00 Out	USB	(Subilo)
E11	28-10	0715	19515	Wed	754/00 Out	USB	(AB/Subilo)
E11	28-10	0745	17410	Wed	347/00 Out	USB	(AB/Subilo)
E11	28-10	0820	19184	Wed	133/00 Out	USB	(AB-POL)
E11	28-10	0845	12202	Wed	711/00 Out	USB	(AB)
E11	28-10	0930	6940	Wed	275/00 Out	USB	(AB/Subilo)
E11	28-10	1045	12202	Wed	711/00 Out	USB	(Subilo)
E11	28-10	1205	9399	Wed	465/00 Out	USB	(AB/Subilo)
E11	28-10	1610	4181	Wed	390/00 Out	USB	(AB/Subilo)
E11	28-10	1715	6923	Wed	975/00 Out	USB	(AB/Subilo)
E11	29-10	0645	13470	Thu	515/00 Out	USB	(AB/Subilo)
E11	29-10	0930	6940	Thu	278/00 Out	USB	(AB/Subilo)
E11	29-10	1000	09951	Thu	302/00 Out	USB	(Subilo)
E11	29-10	1230	12530	Thu	331/00 Out	USB	(AB)
E11	29-10	1300	5371	Thu	316/00 Out	USB	(AB/Subilo)
E11	29-10	1900	7317	Thu	647/00 Out	USB	(AB/Subilo)
E11	30-10	0600	8680	Fri	350/00 Out	USB	(AB/Subilo)
E11	30-10	1020	17410	Fri	349/00 Out	USB	(AB/Subilo)
E11	30-10	1715	6923	Fri	974/00 Out	USB	(AB/Subilo)
E11	30-10	1815	11116	Fri	929/00 Out	USB	(AB/Subilo)
E11	30-10	1910	8530	Fri	611/00 Out	USB	(AB/Subilo)
E11	31-10	0700	9079	Sat	497/00 Out	USB	(AB/Subilo)
E11	31-10	1430	14972	Sat	914/00 Out	USB	(AB/Subilo)
E11	31-10	1610	4181	Sat	396/00 Out	USB	(AB/Subilo)
E11	31-10	1645	4505	Sat	366/00 Out	USB	(AB/Subilo)
E11a	1-10	1530	10330	Thu	266/30 Attention 27242 12713 22208 ... 01698 84998 12959 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	1-10	1900	7317	Thu	649/35 Attention 83188 74007 83148 ... 24014 52095 59073 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	2-10	0700	8180	Fri	570/31 (R) Off after 2min	USB	(AB/Subilo)
E11a	2-10	0715	10213	Fri	630/35 Attention 67684 35158 28051 ... 97514 42850 51037 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-10	0315	12630	Mon	259/31 Attention 52450 88621 39711 ... 67649 75615 68658 Attention (message repeated) Out	USB	(Subilo)
E11a	5-10	1300	5371	Mon	311/39 Attention 47980 84796 79038 ... 28662 09085 04175 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-10	1900	7317	Mon	644/37 Attention 03860 22978 19991 ... 81457 72063 03088 Attention (message repeated) Out	USB	(AB/Subilo)

E11a	6-10	1205	9399	Tue	461/37 Attention 26842 60857 71563 ... 80434 29907 32040 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	6-10	1605	5176	Tue	235/32 Attention 32346 17890 75274 ... 92788 28646 96934 Attention (message repeated) Out	USB	(AB/RL/Subilo/Lac)
E11a	7-10	0315	12630	Wed	259/31 Attention 52450 88621 39711 ... 67649 75615 68658 Attention (message repeated) Out	USB	(Subilo)
E11a	7-10	1205	9399	Wed	461/37 Attention 26842 60857 71563 ... 80434 29907 32040 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	7-10	1715	6923	Wed	975/40 Attention 38517 39144 81345 ... 29601 68071 99632 Attention (message repeated) Out	USB	(AB/RL/Lac/Subilo)
E11a	8-10	1300	5371	Thu	311/39 Attention 47980 84796 79038 ... 28662 09085 04175 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	8-10	1900	7317	Thu	644/37 Attention 03860 22978 19991 ... 81457 72063 03088 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-10	1715	6923	Fri	975/40 Attention 38517 39144 81345 ... 29601 68071 99632 Attention (message repeated) Out	USB	(AB)
E11a	9-10	1815	11116	Fri	921/32 Attention 73878 29312 32031 ... 90979 09341 37947 Attention (message repeated) Out	USB	(AB)
E11a	9-10	1910	8530	Fri	618/31 Attention 92626 32901 67501 ... 73726 92353 89296 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	10-10	0700	9079	Sat	495/35 Attention 39168 88601 87591 ... 60279 92108 76535 Attention (message repeated) Out	USB	(AB)
E11a	11-10	0700	9079	Sun	495/35 Attention 39168 88601 87591 ... 60279 92108 76535 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-10	1605	5176	Sun	235/32 Attention 32346 17890 75274 ... 92788 28646 96934 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-10	1815	11116	Sun	921/32 Attention 73878 29312 32031 ... 90979 09341 37947 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-10	1910	8530	Sun	618/31 Attention 92626 32901 67501 ... 73726 92353 89296 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	12-10	0715	19515	Mon	752/33 Attention 62999 19404 12748 ... 17971 81297 90959 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	12-10	0845	12202	Mon	718/32 Attention 28094 49736 00087 ... 30115 40427 55842 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	12-10	1745	13470	Mon	242/38 Attention 07583 53417 48928 ... 05789 45248 54528 Attention (message repeated) Out	USB	(AB-POL)
E11a	13-10	0820	19184	Tue	135/31 Attention 10634 85278 54484 ... 87702 64595 69231 Attention (message repeated) Out	USB	(Subilo)
E11a	13-10	1230	12530	Tue	334/32 Attention 26379 93546 43144 ... 52806 03348 86975 Attention (message repeated) Out	USB	(AB/Lac)
E11a	14-10	0715	19515	Wed	752/33 Attention 62999 19404 12748 ... 17971 81297 90959 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	14-10	0745	17410	Wed	344/35 Attention 54612 30493 62187 ... 04729 89492 72264 Attention	USB	(AB-POL/Subilo)

					(message repeated) Out		
E11a	14-10	0820	19184	Wed	135/31 Attention 10634 85278 54484 ... 87702 64595 69231 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	14-10	0845	12202	Wed	718/32 Attention 28094 49736 00087 ... 30115 40427 55842 Attention (message repeated) Out	USB	(AB)
E11a	14-10	0930	6940	Wed	276/34 Attention 86845 40769 59533 ... 62924 06117 89190 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	15-10	0930	6940	Thu	276/34 Attention 86845 40769 59533 ... 62924 06117 89190 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	15-10	1230	12530	Thu	334/32 Attention 26379 93546 43144 ... 52806 03348 86975 Attention (message repeated) Out	USB	(AB)
E11a	16-10	1020	17410	Fri	344/35 Attention 54612 30493 62187 ... 04729 89492 72264 Attention (message repeated) Out	USB	(AB)
E11a	18-10	1745	13470	Sun	249/38 Attention 39356 59391 02496 ... 62617 22426 05305 Attention (message repeated) Out	USB	(AB)
E11a	20-10	0645	13470	Tue	510/30 Attention 01809 54765 22901 ... 57895 04291 56861 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	20-10	1430	14972	Tue	910/36 Attention 05633 13863 66491 ... 74152 59981 77407 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	21-10	1610	4181	Wed	396/34 Attention 84921 95539 31601 ... 05953 35740 32492 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	22-10	0645	13470	Thu	510/30 Attention 01809 54765 22901 ... 57895 04291 56861 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	23-10	0600	8680	Fri	354/35 Attention 37826 73430 20257 ... 88235 76616 49872 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	24-10	1430	14972	Sat	910/36 Attention 05633 13863 66491 ... 74152 59981 77407 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	24-10	1610	4181	Sat	396/34 Attention 84921 95539 31601 ... 05953 35740 32492 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	24-10	1645	4505	Sat	365/33 Attention 85887 66233 66918 ... 52857 35516 24593 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	25-10	0600	8680	Sun	354/35 Attention 37826 73430 20257 ... 88235 76616 49872 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	25-10	1645	4505	Sun	365/33 Attention 85887 66233 66918 ... 52857 35516 24593 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-10	0600	23353	Mon	942/37 Attention 36491 96831 53780 ... 39211 18194 87451 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-10	0645	9610	Mon	418/32 Attention 78703 04464 84443 ... 50814 98065 53105 Attention (message repeated) Out	USB	(AB)
E11a	26-10	0745	10213	Mon	266/36 Attention 51911 79834 70440 ... 48280 99562 06125 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-10	0830	20170	Mon	183/33 Attention 46000 49295 56838 ... 47026 86717 52818 Attention (message repeated) Out	USB	(AB/Subilo)

E11a	26-10	0900	13117	Mon	532/40 Attention 99710 11241 54832 ... 58137 76177 34730 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-10	1045	12385	Mon	691/33 Attention 17812 56878 38435 ... 78667 91279 00417 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	27-10	0700	8180	Tue	579/32 Attention 29597 89280 12571 ... 85388 38285 94619 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	27-10	0715	10213	Tue	630/32 Attention 74393 81153 51933 ... 85802 86898 89726 Attention (message repeated) Out	USB	(AB)
E11a	27-10	0745	26756	Tue	229/37 Attention 14376 97711 42534 ... 63704 78647 94505 Attention (message repeated) Out	USB	(AB-POL)
E11a	27-10	0845	18168	Tue	159/33 Attention 36825 96319 57135 ... 54897 24879 86276 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	27-10	1000	9951	Tue	300/38 Attention 76485 22454 13858 ... 93666 26009 33072 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-10	0600	23353	Wed	948/33 Attention 48342 17334 24563 48677 ... 93565 76971 91070 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-10	0645	9610	Wed	418/32 Attention 78703 04464 84443 ... 50814 98065 53105 Attention (message repeated) Out	USB	(AB)
E11a	28-10	0900	13117	Wed	532/40 Attention 99710 11241 54832 ... 58137 76177 34730 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-10	1045	12385	Wed	696/33 Attention 89702 65560 15531 ... 25067 34387 58817 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	29-10	0720	8423	Thu	438/35 Attention 03651 20113 57834 ... 90869 31664 57913 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	29-10	0745	26756	Thu	229/37 Attention 14376 97711 42534 ... 63704 78647 94505 Attention (message repeated) Out	USB	(AB-POL)
E11a	29-10	0845	18168	Thu	159/33 Attention 36825 96319 57135 ... 54897 24879 86276 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	29-10	1530	10330	Thu	261/36 Attention 64075 81894 56028 ... 43876 79727 69344 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	29-10	2000	5737	Thu	521/37 Attention 64497 40006 97131 ... 73110 32326 65503 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	30-10	0700	8180	Fri	579/32 Attention 29597 89280 12571 ... 85388 38285 94619 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	30-10	0715	10213	Fri	630/32 Attention 74393 81153 51933 ... 85802 86898 89726 Attention (message repeated) Out	USB	(AB)
E11a	30-10	0720	8423	Fri	438/35 Attention 03651 20113 57834 ... 90869 31664 57913 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	30-10	0830	20170	Fri	183/33 Attention 90322 74779 67172 ... 59145 49196 69462 Attention (message repeated) Out	USB	(AB-CYP/Subilo)
E11a	30-10	1000	9951	Fri	300/38 Attention 76485 22454 13858 ... 93666 26009 33072 Attention (message repeated) Out	USB	(AB/Subilo)
E25	3-10	1030	6140	Sat	Carrier with music. Oum Kulthum - El Hob Koloh. Music ends 1056z, carrier	AM	(qsr711)

					left on.		
E25	3-10	1030	6140	Sat	Carrier with music. Oum Kulthum - El Hob Koloh. Music ends 1056z, carrier left on.	AM	(qsr711)
E25	3-10	1059	6140	Sat	2x Win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak.. Music ends 1106z, carrier off soon after.	AM	(qsr711)
E25	3-10	1059	6140	Sat	2x Win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak.. Music ends 1106z, carrier off soon after.	AM	(qsr711)
E25	4-10	1038	6140	Sun	Carrier with music, in progress. Music cuts numerous times. Music off 1047z, carrier off 1059z.	AM	(Flaa)
E25	4-10	1038	6140	Sun	Carrier with music, in progress. Music cuts numerous times. Music off 1047z, carrier off 1059z.	AM	(Flaa)
E25	5-10	0837	6140	Mon	Carrier with music, in progress	AM	(SSD)
E25	5-10	0837	6140	Mon	Carrier with music, in progress	AM	(SSD)
E25	5-10	0957	6140	Mon	2x Win7 nav start followed by music. Amr Diab - Enta Yally. Music ends 1000z, carrier left on.	AM	(qsr711)
E25	5-10	0957	6140	Mon	2x Win7 nav start followed by music. Amr Diab - Enta Yally. Music ends 1000z, carrier left on.	AM	(qsr711)
E25	5-10	1015	6140	Mon	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on.	AM	(qsr711)
E25	5-10	1015	6140	Mon	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on.	AM	(qsr711)
E25	5-10	1028	6140	Mon	2x win7 nav start sounds followed by music. Angham - Omry Maak. Music ends 1033z, carrier off 1036z.	AM	(qsr711)
E25	5-10	1028	6140	Mon	2x win7 nav start sounds followed by music. Angham - Omry Maak. Music ends 1033z, carrier off 1036z.	AM	(qsr711)
E25	7-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z, carrier off 0837.	AM	(Subilo/qsr711)
E25	7-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z, carrier off 0837.	AM	(Subilo/qsr711)
E25	7-10	0958	6140	Wed	Carrier with music. Amr Diab - Alby. Music ends 1001z, carrier off 30 seconds later.	AM	(Subilo/qsr711)
E25	7-10	0958	6140	Wed	Carrier with music. Amr Diab - Alby. Music ends 1001z, carrier off 30 seconds later.	AM	(Subilo/qsr711)
E25	8-10	0600	6140	Thu	2x win7 nav start sounds followed by music. Sherine - Ala Eidak. Music gets a huge portion of it skipped, ending at 602z, followed by tx shutdown	AM	(Subilo/qsr711)
E25	8-10	0600	6140	Thu	2x win7 nav start sounds followed by music. Sherine - Ala Eidak. Music gets a huge portion of it skipped, ending at 602z, followed by tx shutdown	AM	(Subilo/qsr711)
E25	8-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 955z, carrier left on.	AM	(Subilo/qsr711)
E25	8-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 955z, carrier left on.	AM	(Subilo/qsr711)
E25	8-10	0925	6140	Thu	Music: Oum Kulthum - Ya Messaharni. Carrier up till the next txm at 1014z	AM	(AB-CYP)
E25	8-10	1014	6140	Thu	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard.	AM	(AB/Subilo/qsr711)

					Music ends 1020z, carrier left on.		
E25	8-10	1058	6140	Thu	2x win7 nav start sounds followed by music. Sabah - Ashka We Meskena. Music off 1105z, carrier left on until 1130z	AM	(AB/Subilo/qsr711)
E25	10-10	0827	6140	Sat	Carrier with music in progress. Nagat - Ana Bastanak. Ends 0842z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	0827	6140	Sat	Carrier with music in progress. Nagat - Ana Bastanak. Ends 0842z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	0932	6140	Sat	win7 logoff sound	AM	(Subilo/qsr711)
E25	10-10	0932	6140	Sat	win7 logoff sound	AM	(Subilo/qsr711)
E25	10-10	0940	6140	Sat	Win 7 logon sound, followed by 2x win7 nav start, followed by music. Sherine - Elly Garehni. Ends 0944z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	0940	6140	Sat	Win 7 logon sound, followed by 2x win7 nav start, followed by music. Sherine - Elly Garehni. Ends 0944z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	0957	6140	Sat	2x win7 nav start sounds followed by music. Mohammed Mounir - A Yasmarany. Music ends 1002z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	0957	6140	Sat	2x win7 nav start sounds followed by music. Mohammed Mounir - A Yasmarany. Music ends 1002z, carrier left on	AM	(Subilo/qsr711)
E25	10-10	1028	6140	Sat	2x win7 nav start followed by music. Oum Kulthum - El Hob Kolob. Music continues until 1058z, when it is replaced by the next song's slot.	AM	(Subilo/qsr711)
E25	10-10	1028	6140	Sat	2x win7 nav start followed by music. Oum Kulthum - El Hob Kolob. Music continues until 1058z, when it is replaced by the next song's slot.	AM	(Subilo/qsr711)
E25	10-10	1058	6140	Sat	Carrier with music. Shaimaa ElShayeb - Aw'edak. Ends abruptly at 1104z, followed by tx shutdown	AM	(Subilo/qsr711)
E25	10-10	1058	6140	Sat	Carrier with music. Shaimaa ElShayeb - Aw'edak. Ends abruptly at 1104z, followed by tx shutdown	AM	(Subilo/qsr711)
E25	12-10	0830	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0847z, carrier left on.	AM	(Subilo/qsr711)
E25	12-10	0830	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0847z, carrier left on.	AM	(Subilo/qsr711)
E25	12-10	0938	6140	Mon	Win7 logoff sound	AM	(Subilo/qsr711)
E25	12-10	0938	6140	Mon	Win7 logoff sound	AM	(Subilo/qsr711)
E25	12-10	1000	6140	Mon	Win7 logon sound followed by 2x win7 nav start, followed by music. Amr Diab - Enta Yally. Music ends 1005z, carrier left on	AM	(Subilo/qsr711)
E25	12-10	1000	6140	Mon	Win7 logon sound followed by 2x win7 nav start, followed by music. Amr Diab - Enta Yally. Music ends 1005z, carrier left on	AM	(Subilo/qsr711)
E25	12-10	1015	6140	Mon	2x Win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on	AM	(Subilo/qsr711)
E25	12-10	1015	6140	Mon	2x Win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Music ends 1021z, carrier left on	AM	(Subilo/qsr711)
E25	12-10	1033	6140	Mon	Win7 nav start followed by music. Angham -Omry Maak. Music ends 1038z, carrier off 1040z	AM	(Subilo/qsr711)
E25	12-10	1033	6140	Mon	Win7 nav start followed by music. Angham -Omry Maak. Music ends 1038z, carrier off 1040z	AM	(Subilo/qsr711)

E25	13-10	0830	6140	Tue	Carrier with music. Sherine - 3La Bali. Music ends 0834z, carrier off 0835z	AM	(Subilo/qsr711)
E25	13-10	0830	6140	Tue	Carrier with music. Sherine - 3La Bali. Music ends 0834z, carrier off 0835z	AM	(Subilo/qsr711)
E25	13-10	1045	6140	Tue	Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1055z. carrier left on.	AM	(Subilo/qsr711)
E25	13-10	1045	6140	Tue	Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1055z. carrier left on.	AM	(Subilo/qsr711)
E25	13-10	1059	6140	Tue	2x win7 nav start followed by music. Fairuz - Asameena. Music ends 1105z, carrier off 1114z	AM	(Subilo/qsr711)
E25	13-10	1059	6140	Tue	2x win7 nav start followed by music. Fairuz - Asameena. Music ends 1105z, carrier off 1114z	AM	(Subilo/qsr711)
E25	14-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music off 0834z, carrier off 0841z	AM	(Subilo/qsr711)
E25	14-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music off 0834z, carrier off 0841z	AM	(Subilo/qsr711)
E25	14-10	1000	6140	Wed	Carrier with music. Amr Diab - Alby. music ends 1004z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	14-10	1000	6140	Wed	Carrier with music. Amr Diab - Alby. music ends 1004z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	15-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music starts in progress, off at 0909z with tx shutdown	AM	(AB/Subilo/qsr711)
E25	15-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music starts in progress, off at 0909z with tx shutdown	AM	(Subilo/qsr711)
E25	15-10	1015	6140	Thu	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard, music in progress on tx startup. Music off 1021z, carrier off 1023z	AM	(AB/Subilo/qsr711)
E25	15-10	1015	6140	Thu	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard, music in progress on tx startup. Music off 1021z, carrier off 1023z	AM	(Subilo/qsr711)
E25	15-10	1100	6140	Thu	Music: Sabah - Ashka We Meskena	AM	(qsr711)
E25	15-10	1100	6140	Thu	Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z, carrier off 1107z	AM	(Subilo/qsr711)
E25	15-10	1100	6140	Thu	Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z, carrier off 1107z	AM	(Subilo/qsr711)
E25	17-10	0800	6140	Sat	Music. Oum Kulthum: Ana Fe Entezarak (unusual piece for this slot)	AM	(qsr711)
E25	17-10	0800	6140	Sat	Carrier with music. Oum Kulthum - Ana Fe Entezarak (not logged before). Music ends 0809z, carrier left on.	AM	(Subilo/qsr711)
E25	17-10	0800	6140	Sat	Carrier with music. Oum Kulthum - Ana Fe Entezarak (not logged before). Music ends 0809z, carrier left on.	AM	(Subilo/qsr711)
E25	17-10	0830	6140	Sat	Music. Warda: Haneen (unusual piece for this slot)	AM	(qsr711)
E25	17-10	0830	6140	Sat	Carrier with music. Warda - Haneen (not logged before). Music ends 0838z, carrier off 0840z	AM	(Subilo/qsr711)
E25	17-10	0830	6140	Sat	Carrier with music. Warda - Haneen (not logged before). Music ends 0838z, carrier off 0840z	AM	(Subilo/qsr711)
E25	17-10	0938	6140	Sat	Music. Sherine - Elly Garehni	AM	(qsr711)
E25	17-10	0938	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 0943, carrier left on.	AM	(Subilo/qsr711)

E25	17-10	0938	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 0943, carrier left on.	AM	(Subilo/qsr711)
E25	17-10	0958	6140	Sat	2x Windows 7 nav start sound followed by music. Moahammed Mounir: A Yasmarany	AM	(AB/qsr711)
E25	17-10	0958	6140	Sat	2x Win7 nav start followed by music. Moahammed Mounir - A Yasmarany. Music ends 1005z, carrier left on.	AM	(Subilo/qsr711)
E25	17-10	0958	6140	Sat	2x Win7 nav start followed by music. Moahammed Mounir - A Yasmarany. Music ends 1005z, carrier left on.	AM	(Subilo/qsr711)
E25	17-10	1100	6140	Sat	2x Windows 7 nav start sound followed by music. Shaimaa ElShayeb: Aw'edak	AM	(AB/qsr711)
E25	17-10	1100	6140	Sat	2x win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak. Music ends 1105z, carrier off 1107z	AM	(AB/Subilo/qsr711)
E25	17-10	1100	6140	Sat	2x win7 nav start followed by music. Shaimaa ElShayeb - Aw'edak. Music ends 1105z, carrier off 1107z	AM	(Subilo/qsr711)
E25	18-10	0730	6140	Sun	Carrier already up from previous broadcast (700z, not recorded). Carrier with music. Shaimaa ElShayeb - Baeed Anak. Music off 0738z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	18-10	0730	6140	Sun	Carrier already up from previous broadcast (700z, not recorded). Carrier with music. Shaimaa ElShayeb - Baeed Anak. Music off 0738z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	18-10	0830	6140	Sun	Carrier with music. Bahaa Sultan - Ehlef. Music ends abruptly 0833z followed by tx shutdown	AM	(Subilo/qsr711)
E25	18-10	0830	6140	Sun	Carrier with music. Bahaa Sultan - Ehlef. Music ends abruptly 0833z followed by tx shutdown	AM	(Subilo/qsr711)
E25	18-10	0930	6140	Sun	Carrier with music. Mohamed Mohy - Etkallem Alaya. Music ends 0935z, carrier off 0937z	AM	(Subilo/qsr711)
E25	18-10	0930	6140	Sun	Carrier with music. Mohamed Mohy - Etkallem Alaya. Music ends 0935z, carrier off 0937z	AM	(Subilo/qsr711)
E25	18-10	1000	6140	Sun	Carrier with music. Oum Kulthum - Alf Lela We Lela starts playing by mistake. 2x win7 nav start while music is playing, and music is changed to Amr Diab - Betghany Le Min, which is the correct one for that slot. Music off 1005z, carrier left on	AM	(Subilo/qsr711)
E25	18-10	1000	6140	Sun	Carrier with music. Oum Kulthum - Alf Lela We Lela starts playing by mistake. 2x win7 nav start while music is playing, and music is changed to Amr Diab - Betghany Le Min, which is the correct one for that slot. Music off 1005z, carrier left on	AM	(Subilo/qsr711)
E25	18-10	1028	6140	Sun	2x win7 nav start sounds followed by music. Oum Kulthum - Alf Lela We Lela starts playing right from the point the track stopped at 1000z. Music ends 1047z with tx shutdown shortly afterwards	AM	(Subilo/qsr711)
E25	18-10	1028	6140	Sun	2x win7 nav start sounds followed by music. Oum Kulthum - Alf Lela We Lela starts playing right from the point the track stopped at 1000z. Music ends 1047z with tx shutdown shortly afterwards	AM	(Subilo/qsr711)
E25	19-10	0700	6140	Mon	Win7 nav start sound followed by music. Sherine - El Qamas. Music ends 0702z, carrier off 0705z	AM	(Subilo/qsr711)
E25	19-10	0700	6140	Mon	Win7 nav start sound followed by music. Sherine - El Qamas. Music ends	AM	(Subilo/qsr711)

					0702z, carrier off 0705z		
E25	19-10	0830	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0920z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	0830	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0920z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	0956	6140	Mon	Carrier with music. Amr Diab - Enta Yally. Music ends 1001z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	0956	6140	Mon	Carrier with music. Amr Diab - Enta Yally. Music ends 1001z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	1015	6140	Mon	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1019z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	1015	6140	Mon	Carrier with music. Bahaa Sultan - Ya Hagerny. Music ends 1019z, carrier left on	AM	(Subilo/qsr711)
E25	19-10	1027	6140	Mon	Carrier with music. Angham - Omry Maak. Music ends abruptly at 1032z with tx shutdown	AM	(Subilo/qsr711)
E25	19-10	1027	6140	Mon	Carrier with music. Angham - Omry Maak. Music ends abruptly at 1032z with tx shutdown	AM	(Subilo/qsr711)
E25	20-10	0615	6140	Tue	Carrier with music. Oum Kulthum - Enta Omri with reverberation and more Oum Kulthum pieces. Music ends 0713z followed by next slot's song	AM	(Subilo/qsr711)
E25	20-10	0615	6140	Tue	Carrier with music. Oum Kulthum - Enta Omri with reverberation and more Oum Kulthum pieces. Music ends 0713z followed by next slot's song	AM	(Subilo/qsr711)
E25	20-10	0713	6140	Tue	Carrier with music. Bahaa Sultan - Ya Tara. Music ends 0718z, carrier left on	AM	(Subilo/qsr711)
E25	20-10	0713	6140	Tue	Carrier with music. Bahaa Sultan - Ya Tara. Music ends 0718z, carrier left on	AM	(Subilo/qsr711)
E25	20-10	0813	6140	Tue	Win7 logoff sound	AM	(Subilo/qsr711)
E25	20-10	0813	6140	Tue	Win7 logoff sound	AM	(Subilo/qsr711)
E25	20-10	0828	6140	Tue	win7 logon sound, 2x nav start, followed by music. Sherine - 3La Bali. Music ends 0833z, carrier left on until 0841z	AM	(Subilo/qsr711)
E25	20-10	0828	6140	Tue	win7 logon sound, 2x nav start, followed by music. Sherine - 3La Bali. Music ends 0833z, carrier left on until 0841z	AM	(Subilo/qsr711)
E25	20-10	0848	6140	Tue	Carrier back up. A couple seconds of "Mohammed Fouad - Habibi Ya" play. Mistake? Carrier left on	AM	(Subilo/qsr711)
E25	20-10	0848	6140	Tue	Carrier back up. A couple seconds of "Mohammed Fouad - Habibi Ya" play. Mistake? Carrier left on	AM	(Subilo/qsr711)
E25	20-10	1014	6140	Tue	Win7 logoff sound, followed 30s later by a win7 logon sound	AM	(Subilo/qsr711)
E25	20-10	1014	6140	Tue	Win7 logoff sound, followed 30s later by a win7 logon sound	AM	(Subilo/qsr711)
E25	20-10	1027	6140	Tue	Win7 nav start followed by music. Amr Diab - Wala El Layali Tehon. Win7 nav start sounds while music plays. Music ends 1031z, carrier left on	AM	(Subilo/qsr711)
E25	20-10	1027	6140	Tue	Win7 nav start followed by music. Amr Diab - Wala El Layali Tehon. Win7 nav start sounds while music plays. Music ends 1031z, carrier left on	AM	(Subilo/qsr711)
E25	20-10	1043	6140	Tue	Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1059z with next slot's song	AM	(Subilo/qsr711)
E25	20-10	1043	6140	Tue	Carrier with music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1059z with next slot's song	AM	(Subilo/qsr711)
E25	20-10	1059	6140	Tue	Carrier with music. Fairuz - Asameena. Music ends 1104z followed by transmitter shutdown	AM	(Subilo/qsr711)

E25	20-10	1059	6140	Tue	Carrier with music. Fairuz - Asameena. Music ends 1104z followed by transmitter shutdown	AM	(Subilo/qsr711)
E25	21-10	0827	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0831z, carrier off 0833z	AM	(Subilo/qsr711)
E25	21-10	0827	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0831z, carrier off 0833z	AM	(Subilo/qsr711)
E25	21-10	1018	6140	Wed	Carrier with music. Amr Diab - Alby. Out of schedule, should have sent 1000z. Music ends 1022z, carrier off 1023z	AM	(Subilo/qsr711)
E25	21-10	1018	6140	Wed	Carrier with music. Amr Diab - Alby. Out of schedule, should have sent 1000z. Music ends 1022z, carrier off 1023z	AM	(Subilo/qsr711)
E25	22-10	0558	6140	Thu	Carrier with music. Sherine - Ala Eidak. Music off 0602z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	22-10	0558	6140	Thu	Carrier with music. Sherine - Ala Eidak. Music off 0602z, carrier off shortly afterwards	AM	(Subilo/qsr711)
E25	22-10	0857	6140	Thu	Carrier with music. Oum Kulthum - Ya Msaharny. Music ends 0953z, carrier left on	AM	(Subilo/qsr711)
E25	22-10	0857	6140	Thu	Carrier with music. Oum Kulthum - Ya Msaharny. Music ends 0953z, carrier left on	AM	(Subilo/qsr711)
E25	22-10	0900	6140	Thu	Music. Oum Kulthum: Ya Msaharny	AM	(AB-CYP)
E25	22-10	1014	6140	Thu	2x win7 nav start followed by music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1020z, carrier left on	AM	(Subilo/qsr711)
E25	22-10	1014	6140	Thu	2x win7 nav start followed by music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1020z, carrier left on	AM	(Subilo/qsr711)
E25	22-10	1059	6140	Thu	win7 nav start followed by music. Sabah - Ashka We Meskena. Music ends 1104z, carrier off 1106z	AM	(Subilo/qsr711)
E25	22-10	1059	6140	Thu	win7 nav start followed by music. Sabah - Ashka We Meskena. Music ends 1104z, carrier off 1106z	AM	(Subilo/qsr711)
E25	24-10	0757	6140	Sat	Music. Oum Kulthum: Ana Fe Entezarak (unusual piece for this slot)	AM	(AB)
E25	24-10	0827	6140	Sat	Win7 nav start followed by music. Nagat - Ana Bastanak Live. Music ends 0844z, carrier off 0859z	AM	(AB/Subilo/qsr711)
E25	24-10	0938	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 0942z, carrier left on	AM	(Subilo/qsr711)
E25	24-10	0938	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 0942z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0657	6140	Sun	Carrier with music. Sherine - Btamenak (Bi Kelma Menak). Music restarts after 1 minute. Music ends 0702z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0657	6140	Sun	Carrier with music. Sherine - Btamenak (Bi Kelma Menak). Music restarts after 1 minute. Music ends 0702z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0728	6140	Sun	2x win7 nav start followed by music. Shaimaa ElShayeb - Baeed Anak. Music ends 0735z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0728	6140	Sun	2x win7 nav start followed by music. Shaimaa ElShayeb - Baeed Anak. Music ends 0735z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0827	6140	Sun	2x win7 nav start followed by music. Bahaa Sultan - Ehlef. Music ends 0831z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0827	6140	Sun	2x win7 nav start followed by music. Bahaa Sultan - Ehlef. Music ends 0831z,	AM	(Subilo/qsr711)

					carrier left on		
E25	25-10	0926	6140	Sun	win7 nav start followed by music. Mohamed Mohy - Etkallem Alaya. Music ends 0931z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0926	6140	Sun	win7 nav start followed by music. Mohamed Mohy - Etkallem Alaya. Music ends 0931z, carrier left on	AM	(Subilo/qsr711)
E25	25-10	0956	6140	Sun	Carrier with music. Amr Diab - Betghany Le Min. Music ends abruptly at 0959z with transmitter shutdown	AM	(Subilo/qsr711)
E25	25-10	0956	6140	Sun	Carrier with music. Amr Diab - Betghany Le Min. Music ends abruptly at 0959z with transmitter shutdown	AM	(Subilo/qsr711)
E25	25-10	0957	6140	Sun	Music. Amr Diab - Betghany Le Min	AM	(AB-CYP)
E25	25-10	1101	6140	Sun	Win7 startup followed by win7 nav start, followed by music. Oum Kulthum ÔÇô Alf Lela we Lela. Music ends abruptly 1103z, followed by transmitter shutdown. Possibly out of schedule	AM	(Subilo/qsr711)
E25	25-10	1101	6140	Sun	Win7 startup followed by win7 nav start, followed by music. Oum Kulthum ÔÇô Alf Lela we Lela. Music ends abruptly 1103z, followed by transmitter shutdown. Possibly out of schedule	AM	(Subilo/qsr711)
E25	26-10	0831	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0842z, carrier off 10 seconds later	AM	(Subilo/qsr711)
E25	26-10	0831	6140	Mon	Carrier with music. Abdel Halim Hafez - Ay Dama'et Hozn La. Music ends 0842z, carrier off 10 seconds later	AM	(Subilo/qsr711)
E25	26-10	1000	6140	Mon	Carrier with music. Amr Diab - Enta Yally. Music ends 1004z, carrier left on	AM	(Subilo/qsr711)
E25	26-10	1000	6140	Mon	Carrier with music. Amr Diab - Enta Yally. Music ends 1004z, carrier left on	AM	(Subilo/qsr711)
E25	26-10	1015	6140	Mon	2x win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Win7 nav start after music ends. Music ends 1021z, carrier left on	AM	(Subilo/qsr711)
E25	26-10	1015	6140	Mon	2x win7 nav start followed by music. Bahaa Sultan - Ya Hagerny. Win7 nav start after music ends. Music ends 1021z, carrier left on	AM	(Subilo/qsr711)
E25	26-10	1030	6140	Mon	Carrier with music. Angham - Omry Maak. Music ends 1034z with tx shutdown	AM	(Subilo/qsr711)
E25	26-10	1030	6140	Mon	Carrier with music. Angham - Omry Maak. Music ends 1034z with tx shutdown	AM	(Subilo/qsr711)
E25	27-10	0828	6140	Tue	Carrier with music. Sherine - 3la Bali. Music ends 0832z, carrier off 0842z	AM	(Subilo/qsr711)
E25	27-10	0828	6140	Tue	Carrier with music. Sherine - 3la Bali. Music ends 0832z, carrier off 0842z	AM	(Subilo/qsr711)
E25	27-10	1030	6140	Tue	Carrier with music. Amr Diab - Wala El Layali Tehon. Music ends 1034z, carrier off 1036z	AM	(Subilo/qsr711)
E25	27-10	1030	6140	Tue	Carrier with music. Amr Diab - Wala El Layali Tehon. Music ends 1034z, carrier off 1036z	AM	(Subilo/qsr711)
E25	27-10	1044	6140	Tue	2x win7 nav start followed by music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1053z, carrier left on	AM	(Subilo/qsr711)
E25	27-10	1044	6140	Tue	2x win7 nav start followed by music. Abdel Halim Hafez - Ahdan El Habayeb. Music ends 1053z, carrier left on	AM	(Subilo/qsr711)
E25	27-10	1100	6140	Tue	Carrier with music. Fairuz - Asameena. Music ends 1106z, carrier off 1110z	AM	(Subilo/qsr711)
E25	27-10	1100	6140	Tue	Carrier with music. Fairuz - Asameena. Music ends 1106z, carrier off 1110z	AM	(Subilo/qsr711)
E25	28-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z, carrier off 0839z	AM	(Subilo/qsr711)
E25	28-10	0830	6140	Wed	Carrier with music. Mouhamed Fawzy - Tir Bina Ya Qalby. Music ends 0833z,	AM	(Subilo/qsr711)

					carrier off 0839z		
E25	28-10	1000	6140	Wed	Carrier with music. Amr Diab - Alby. Music ends 1004z, carrier off shortly after	AM	(Subilo/qsr711)
E25	28-10	1000	6140	Wed	Carrier with music. Amr Diab - Alby. Music ends 1004z, carrier off shortly after	AM	(Subilo/qsr711)
E25	29-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 0913z, carrier off soon after	AM	(Subilo/qsr711)
E25	29-10	0900	6140	Thu	Carrier with music. Umm Kulthum - Ya Messaharni (Rame/Makawi). Music ends 0913z, carrier off soon after	AM	(Subilo/qsr711)
E25	29-10	1018	6140	Thu	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1023z, carrier left on	AM	(Subilo/qsr711)
E25	29-10	1018	6140	Thu	Carrier with music. Mohamed Abdel Wahab - Ala Chan Echouk Elli Felouard. Music ends 1023z, carrier left on	AM	(Subilo/qsr711)
E25	29-10	1100	6140	Thu	Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z with carrier shutdown	AM	(Subilo/qsr711)
E25	29-10	1100	6140	Thu	Carrier with music. Sabah - Ashka We Meskena. Music ends 1106z with carrier shutdown	AM	(Subilo/qsr711)
E25	31-10	0857	6140	Sat	Carrier with music. Mouhammed Fawzy - Shahat El Garam. Music ends 0904z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	0857	6140	Sat	Carrier with music. Mouhammed Fawzy - Shahat El Garam. Music ends 0904z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	0930	6140	Sat	Carrier with music. Nagat - Ana Bastanak live. music ends 0938z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	0930	6140	Sat	Carrier with music. Nagat - Ana Bastanak live. music ends 0938z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	1040	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 1043z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	1040	6140	Sat	Carrier with music. Sherine - Elly Garehni. Music ends 1043z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	1102	6140	Sat	2x win7 nav start followed by music. Mohammed Mounir - A Yasmarany. Music ends 1107z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	1102	6140	Sat	2x win7 nav start followed by music. Mohammed Mounir - A Yasmarany. Music ends 1107z, carrier left on	AM	(Subilo/qsr711)
E25	31-10	1130	6140	Sat	win7 nav start followed by music. Oum Kulthum - El Hob Koloh. Recording ends while it's in progress, so no end time	AM	(Subilo/qsr711)
E25	31-10	1130	6140	Sat	win7 nav start followed by music. Oum Kulthum - El Hob Koloh. Recording ends while it's in progress, so no end time	AM	(Subilo/qsr711)
F01	1-10	1015	11129	Thu	Messages 57 and 58	FSK 200/500	(AB)
F01	1-10	1025	9082	Thu	Messages 57 and 58	FSK 200/500	(AB)
F01	1-10	1035	7344	Thu	Messages 57 and 58	FSK 200/500	(AB)
F01	2-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	2-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	2-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	5-10	1015	11129	Mon	Message 59	FSK 200/500	(AB)
F01	5-10	1025	9082	Mon	Message 59	FSK 200/500	(AB)
F01	5-10	1035	7344	Mon	Message 59	FSK 200/500	(AB)
F01	6-10	1015	11129	Tue	Messages 60 and 61	FSK 200/500	(AB)
F01	6-10	1025	9082	Tue	Messages 60 and 61	FSK 200/500	(AB)

F01	6-10	1035	7344	Tue	Messages 60 and 61	FSK 200/500	(AB)
F01	7-10	1015	11129	Wed	Message 62	FSK 200/500	(AB)
F01	7-10	1025	9082	Wed	Message 62	FSK 200/500	(AB)
F01	7-10	1035	7344	Wed	Message 62	FSK 200/500	(AB)
F01	8-10	1015	11129	Thu	Messages 63 and 64	FSK 200/500	(AB)
F01	8-10	1025	9082	Thu	Messages 63 and 64	FSK 200/500	(AB)
F01	8-10	1035	7344	Thu	Messages 63 and 64	FSK 200/500	(AB)
F01	9-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB/Hiram)
F01	9-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB/Hiram)
F01	9-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB/Hiram)
F01	12-10	1015	11129	Mon	Message 65	FSK 200/500	(AB)
F01	12-10	1025	9082	Mon	Message 65	FSK 200/500	(AB)
F01	12-10	1035	7344	Mon	Message 65	FSK 200/500	(AB)
F01	13-10	1015	11129	Tue	Messages 66 and 67	FSK 200/500	(AB)
F01	13-10	1025	9082	Tue	Messages 66 and 67	FSK 200/500	(AB)
F01	13-10	1035	7344	Tue	Messages 66 and 67	FSK 200/500	(AB)
F01	14-10	1015	11129	Wed	Message 68	FSK 200/500	(AB)
F01	14-10	1025	9082	Wed	Message 68	FSK 200/500	(AB)
F01	14-10	1035	7344	Wed	Message 68	FSK 200/500	(AB)
F01	15-10	1015	11129	Thu	Messages 69 and 70	FSK 200/500	(AB)
F01	15-10	1025	9082	Thu	Messages 69 and 70	FSK 200/500	(AB)
F01	15-10	1035	7344	Thu	Messages 69 and 70	FSK 200/500	(AB)
F01	16-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	16-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	16-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	19-10	1015	11129	Mon	Message 71	FSK 200/500	(AB)
F01	19-10	1025	9082	Mon	Message 71	FSK 200/500	(AB)
F01	19-10	1035	7344	Mon	Message 71	FSK 200/500	(AB)
F01	20-10	1015	11129	Tue	Messages 72 and 73	FSK 200/500	(AB)
F01	20-10	1025	9082	Tue	Messages 72 and 73	FSK 200/500	(AB)
F01	20-10	1035	7344	Tue	Messages 72 and 73	FSK 200/500	(AB)
F01	21-10	1015	11129	Wed	Message 74	FSK 200/500	(AB)
F01	21-10	1025	9082	Wed	Message 74	FSK 200/500	(AB)
F01	21-10	1035	7344	Wed	Message 74	FSK 200/500	(AB)
F01	22-10	1015	11129	Thu	Odd signal, produces only incorrect text	FSK 200/500	(AB)
F01	22-10	1025	9082	Thu	Odd signal, produces only incorrect text	FSK 200/500	(AB)
F01	22-10	1035	7344	Thu	Odd signal, produces only incorrect text	FSK 200/500	(AB)
F01	23-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	23-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	23-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	26-10	1015	11129	Mon	Message 77	FSK 200/500	(AB)
F01	26-10	1025	9082	Mon	Message 77	FSK 200/500	(AB-RUS)

F01	26-10	1035	7344	Mon	Message 77	FSK 200/500	(AB-RUS)
F01	27-10	1015	11129	Tue	Messages 78 and 79	FSK 200/500	(AB)
F01	27-10	1025	9082	Tue	Messages 78 and 79	FSK 200/500	(AB)
F01	27-10	1035	7344	Tue	Messages 78 and 79	FSK 200/500	(AB)
F01	28-10	1015	11129	Wed	Message 80	FSK 200/500	(AB)
F01	28-10	1025	9082	Wed	Message 80	FSK 200/500	(AB)
F01	28-10	1035	7344	Wed	Message 80	FSK 200/500	(AB)
F01	29-10	1015	11129	Thu	Messages 81 and 82	FSK 200/500	(AB)
F01	29-10	1025	9082	Thu	Messages 81 and 82	FSK 200/500	(AB)
F01	29-10	1035	7344	Thu	Messages 81 and 82	FSK 200/500	(AB)
F01	30-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	30-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	30-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F02	20-10	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-10	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	1-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0615	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0620	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0635	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0640	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0615	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0620	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0636	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0640	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0615	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0620	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0635	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0640	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0615	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0620	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0636	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0640	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-10	0630	19515	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0615	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0620	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0635	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0640	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	21-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0615	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0620	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0636	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	22-10	0640	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	22-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-10	1030	14753	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0615	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0620	12457	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0635	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0640	20361	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0615	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0620	12457	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0636	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-10	0640	20361	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	29-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	1-10	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	1-10	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	1-10	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0810	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0815	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-10	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0530	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0535	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0810	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0815	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	5-10	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0815	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0820	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-10	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0430	24120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	7-10	0435	24120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	7-10	0530	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0535	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	1315	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-10	1320	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	8-10	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-10	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0700	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0705	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0810	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0815	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0850	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0855	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-10	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	0530	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	12-10	0535	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	12-10	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	0810	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	12-10	0815	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	12-10	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	12-10	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0815	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0820	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-10	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-10	0530	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	14-10	0535	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	14-10	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

F03l	14-10	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	1315	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	14-10	1320	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0700	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0705	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	15-10	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0700	11092	Fri	No transmission	QPSK 100Bd/464bp	(AB)
F03l	16-10	0705	11092	Fri	No transmission	QPSK 100Bd/464bp	(AB)
F03l	16-10	0810	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	16-10	0815	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	16-10	0850	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0855	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	16-10	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	0530	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	19-10	0535	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	19-10	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	0810	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	19-10	0815	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03l	19-10	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	19-10	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	20-10	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	20-10	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0815	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0820	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-10	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	0530	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	21-10	0535	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	21-10	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	1315	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-10	1320	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0700	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0705	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-10	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0700	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0705	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0810	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	23-10	0815	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	23-10	0850	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0855	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-10	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	0530	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	26-10	0535	25839	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	26-10	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	26-10	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	0810	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	26-10	0815	26753	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	26-10	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	26-10	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0815	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0820	16530	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-10	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	0530	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	28-10	0535	25839	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	28-10	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	1315	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-10	1320	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0700	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0705	11092	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-10	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-10	0700	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-10	0705	11092	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-10	0810	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	30-10	0815	26753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	30-10	0850	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)

F03l	30-10	0855	16530	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03l	30-10	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F06	1-10	0700	10541	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	1-10	0710	8113	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	1-10	0720	6791	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	1-10	1200	11173	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	1-10	1210	9246	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	1-10	1220	7611	Thu	11166 70202 67439 30060 01999 and 11166 70202 48629 30061 01099	FSK 200/1000	(AB)
F06	2-10	0700	10541	Fri	11166 70202 48361 02008 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	0710	8113	Fri	11166 70202 48361 02008 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	0720	6791	Fri	11166 70202 48361 02008 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-10	1530	18957	Sun	Undecodable. Wrong shift	FSK 200/500	(AB)
F06	4-10	1540	16317	Sun	Undecodable. Wrong shift	FSK 200/500	(AB)
F06	4-10	1551	12217	Sun	Started late with 500Hz shift, changed to 1000Hz shift after ca 30sec, but still uncodable	FSK 200/1000	(AB)
F06	5-10	0800	11128	Mon	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	5-10	0810	9446	Mon	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	5-10	0820	7453	Mon	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	6-10	0040	8175	Tue	Too weak to copy	FSK 200/1000	(TM)
F06	6-10	0050	6996	Tue	Too weak to copy	FSK 200/1000	(TM)
F06	6-10	0700	10541	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	0710	8113	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	0720	6791	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	0800	11128	Tue	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	6-10	0810	9446	Tue	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	6-10	0820	7453	Tue	11100 00000 58492 02064 01039	FSK 200/1000	(AB)
F06	6-10	1200	11173	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	1210	9246	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	1220	7611	Tue	11166 70202 15973 05063 01759 and 11166 70202 35719 05064 01799	FSK 200/1000	(AB)
F06	6-10	1650	16313	Tue	11166 10053 24685 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	6-10	1700	12217	Tue	11166 10053 24685 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	1710	11453	Tue	11166 10053 24685 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-10	0700	10541	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)
F06	8-10	0710	8113	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)
F06	8-10	0720	6791	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)
F06	8-10	1200	11173	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)
F06	8-10	1210	9246	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)

F06	8-10	1220	7611	Thu	11166 70202 91246 07066 01399 and 11166 70202 81793 07067 02139	FSK 200/1000	(AB)
F06	9-10	0700	10541	Fri	11166 70202 48156 09031 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Hiram)
F06	9-10	0710	8113	Fri	11166 70202 48156 09031 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Hiram)
F06	9-10	0720	6791	Fri	11166 70202 48156 09031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	1530	18957	Sun	11166 10053 31758 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	1540	16317	Sun	11166 10053 31758 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	1550	12217	Sun	11166 10053 31758 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-10	0800	11128	Mon	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	12-10	0810	9446	Mon	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	12-10	0820	7453	Mon	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	13-10	0030	11133	Tue	11166 60070 95184 13001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	13-10	0040	8175	Tue	11166 60070 95184 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	0050	6996	Tue	11166 60070 95184 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	0700	10541	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	0710	8113	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	0720	6791	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	0800	11128	Tue	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	13-10	0810	9446	Tue	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	13-10	0820	7453	Tue	11100 00000 24681 09065 02639	FSK 200/1000	(AB)
F06	13-10	1200	11173	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	1210	9246	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	1220	7611	Tue	11166 70202 59638 12069 02239 and 11166 70202 59427 12070 01559	FSK 200/1000	(AB)
F06	13-10	1650	16313	Tue	11166 10053 25843 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	1700	12217	Tue	11166 10053 25843 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	1710	11453	Tue	11166 10053 25843 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-10	0700	10541	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB)
F06	15-10	0710	8113	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB)
F06	15-10	0720	6791	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB)
F06	15-10	1200	11173	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB/Hiram)
F06	15-10	1210	9246	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB/Hiram)
F06	15-10	1220	7611	Thu	11166 70202 15973 14072 01779 and 11166 70202 35719 14073 01859	FSK 200/1000	(AB/Hiram)
F06	16-10	0700	10541	Fri	11166 70202 15934 16099 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Hiram)
F06	16-10	0710	8113	Fri	11166 70202 15934 16099 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Hiram)
F06	16-10	0720	6791	Fri	11166 70202 15934 16099 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-10	1530	18957	Sun	11166 10053 25843 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/GR2)
F06	18-10	1540	16317	Sun	11166 10053 25843 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/GR2)
F06	18-10	1550	12217	Sun	11166 10053 25843 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/GR2)
F06	19-10	0800	11128	Mon	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	19-10	0810	9446	Mon	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	19-10	0820	7453	Mon	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	20-10	0030	11133	Tue	Barely audible	FSK 200/1000	(AB)
F06	20-10	0040	8175	Tue	Barely audible	FSK 200/1000	(AB)

F06	20-10	0050	6996	Tue	Barely audible	FSK 200/1000	(AB)
F06	20-10	0700	10541	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	0710	8113	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	0720	6791	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	0800	11128	Tue	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	20-10	0810	9446	Tue	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	20-10	0820	7453	Tue	11100 00000 93751 16066 01159	FSK 200/1000	(AB)
F06	20-10	1200	11173	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	1210	9246	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	1220	7611	Tue	11166 70202 78245 19075 01919 and 11166 70202 98214 19076 02159	FSK 200/1000	(AB)
F06	20-10	1650	16313	Tue	11166 10053 37968 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	1700	12217	Tue	11166 10053 37968 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	1710	11453	Tue	11166 10053 37968 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-10	0700	10541	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	22-10	0710	8113	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	22-10	0720	6791	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	22-10	1200	11173	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	22-10	1210	9246	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	22-10	1220	7611	Thu	11166 70202 15937 21078 01799 and 11166 70202 34519 21079 01839	FSK 200/1000	(AB)
F06	23-10	0701	10541	Fri	11166 70202 47651 23097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-10	0710	8113	Fri	11166 70202 47651 23097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-10	0720	6791	Fri	11166 70202 47651 23097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	1530	18957	Sun	11166 10053 16793 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	25-10	1540	16317	Sun	11166 10053 16793 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	1550	12217	Sun	11166 10053 16793 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-10	0800	11128	Mon	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	26-10	0810	9446	Mon	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	26-10	0820	7453	Mon	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	27-10	0030	11133	Tue	11166 60070 78234 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	0040	8175	Tue	11166 60070 78234 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	0050	6996	Tue	11166 60070 78234 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	0700	10541	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	0710	8113	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	0720	6791	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	0800	11128	Tue	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	27-10	0810	9446	Tue	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	27-10	0820	7453	Tue	11100 00000 47652 23067 01259	FSK 200/1000	(AB)
F06	27-10	1200	11173	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	1210	9246	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	1220	7611	Tue	11166 70202 24685 26081 01139 and 11166 70202 29741 26082 02599	FSK 200/1000	(AB)
F06	27-10	1650	16313	Tue	11166 10053 16284 27021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	1700	12217	Tue	11166 10053 16284 27021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	27-10	1710	11453	Tue	11166 10053 16284 27021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	0700	10541	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	29-10	0710	8113	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	29-10	0720	6791	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	29-10	1200	11173	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	29-10	1210	9246	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	29-10	1220	7611	Thu	11166 70202 92457 28084 01979 and 11166 70202 83267 28085 01439	FSK 200/1000	(AB)
F06	30-10	0700	10541	Fri	11166 70202 18745 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	0710	8113	Fri	11166 70202 18745 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	0720	6791	Fri	11166 70202 18745 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-10	0600	13947	Thu	File 94415 (binary contents)	FSK 200/1000	(AB)
F06a	1-10	0615	17536	Thu	File 94415 (binary contents)	FSK 200/1000	(AB)
F06a	1-10	0630	18945	Thu	File 94415 (binary contents)	FSK 200/1000	(AB-POL)
F06a	3-10	1600	23955	Sat	File 45472 (binary contents)	FSK 200/1000	(Anon)
F06a	3-10	1615	22899	Sat	File 45472 (binary contents)	FSK 200/1000	(Anon)
F06a	3-10	1630	19851	Sat	File 45472 (binary contents)	FSK 200/1000	(Anon)
F06a	4-10	1600	19331	Sun	File 45472 (binary contents)	FSK 200/1000	(AB-IRL)
F06a	4-10	1615	18187	Sun	File 45472 (binary contents)	FSK 200/1000	(AB)
F06a	4-10	1630	17478	Sun	File 45472 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0700	10541	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0715	8113	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0730	6791	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	1200	11173	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	1215	9246	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	1230	7611	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0600	17481	Wed	File 41416 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	7-10	0615	19834	Wed	File 41416 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	7-10	0630	22875	Wed	File 41416 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	7-10	0700	10541	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0715	8113	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0730	6791	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1200	11173	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1215	9246	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1230	7611	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	0600	17481	Thu	File 41416 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	8-10	0615	19834	Thu	File 41416 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	8-10	0630	22875	Thu	File 41416 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	10-10	1600	23955	Sat	File 44673 (binary contents)	FSK 200/1000	(AB-S)
F06a	10-10	1615	22899	Sat	File 44673 (binary contents)	FSK 200/1000	(AB-S)
F06a	10-10	1630	19851	Sat	File 44673 (binary contents)	FSK 200/1000	(AB)
F06a	11-10	1600	19331	Sun	File 44673 (binary contents)	FSK 200/1000	(AB-IRL)
F06a	11-10	1615	18187	Sun	File 44673 (binary contents)	FSK 200/1000	(AB)

F06a	11-10	1630	17478	Sun	File 44673 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	0700	10541	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	0715	8113	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	0730	6791	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	1200	11173	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	1215	9246	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	1230	7611	Mon	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	1400	18237	Tue	File 44716 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	1415	15845	Tue	File 44716 (binary contents)	FSK 200/1000	(AB/RL-HOL)
F06a	13-10	1430	12074	Tue	Too weak to decode	FSK 200/1000	(AB)
F06a	13-10	1430	14249	Tue	File 44716 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	0600	17481	Wed	File 44217 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	14-10	0615	19834	Wed	File 44217 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	14-10	0630	22875	Wed	File 44217 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	14-10	0700	10541	Wed	File 44471 (binary contents)	FSK 200/1000	(AB/Hiram)
F06a	14-10	0715	8113	Wed	File 44471 (binary contents)	FSK 200/1000	(AB/Hiram)
F06a	14-10	0730	6791	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1200	11173	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1215	9246	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1230	7611	Wed	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	0600	17481	Thu	File 44217 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	15-10	0615	19834	Thu	File 44217 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	0630	22875	Thu	File 44217 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	17-10	1600	23955	Sat	File 04474 (binary contents)	FSK 200/1000	(AB-IRL)
F06a	17-10	1615	22899	Sat	File 04474 (binary contents)	FSK 200/1000	(AB-AZR)
F06a	17-10	1630	19851	Sat	File 04474 (binary contents)	FSK 200/1000	(AB-POR)
F06a	18-10	1600	19331	Sun	File 04474 (binary contents)	FSK 200/1000	(AB)
F06a	18-10	1615	18187	Sun	File 04474 (binary contents)	FSK 200/1000	(AB/GR2)
F06a	18-10	1630	17478	Sun	File 04474 (binary contents)	FSK 200/1000	(AB/GR2)
F06a	19-10	0700	10541	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	0715	8113	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	0730	6791	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1200	11173	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1215	9246	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1230	7611	Mon	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1400	18237	Mon	File 84417 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1415	15845	Mon	File 84417 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1430	12074	Mon	Too weak to decode	FSK 200/1000	(AB)
F06a	19-10	1430	14249	Mon	File 84417 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	1400	18237	Tue	File 84417 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	1415	15845	Tue	File 84417 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	1430	14249	Tue	File 84417 (binary contents)	FSK 200/1000	(AB)

F06a	21-10	0600	17481	Wed	File 34418 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	21-10	0615	19834	Wed	File 34418 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	21-10	0630	22875	Wed	File 34418 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	21-10	0700	10541	Wed	No transmission	FSK 200/1000	(AB)
F06a	21-10	0715	8113	Wed	No transmission	FSK 200/1000	(AB)
F06a	21-10	0730	6791	Wed	No transmission	FSK 200/1000	(AB)
F06a	21-10	1200	11173	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	1215	9246	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	1230	7611	Wed	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	0600	17481	Thu	File 34418 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	22-10	0615	19834	Thu	File 34418 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	22-10	0630	22875	Thu	File 34418 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	24-10	1600	23955	Sat	File 48475 (binary contents)	FSK 200/1000	(AB-POR)
F06a	24-10	1615	22899	Sat	File 48475 (binary contents)	FSK 200/1000	(AB-AZR)
F06a	24-10	1630	19851	Sat	File 48475 (binary contents)	FSK 200/1000	(AB-POR)
F06a	25-10	1600	19331	Sun	File 48475 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1615	18187	Sun	File 48475 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1630	17478	Sun	File 48475 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	0700	10541	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	0715	8113	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	0730	6791	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1200	11173	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1215	9246	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1230	7611	Mon	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1400	18237	Mon	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1415	15845	Mon	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	1430	14249	Mon	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	1400	18237	Tue	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	1400	16317	Tue	Undecodable. Very poor signal	FSK 200/1000	(AB-RUS)
F06a	27-10	1415	15845	Tue	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	1415	13819	Tue	Undecodable. Very poor signal	FSK 200/1000	(AB-POL)
F06a	27-10	1430	14249	Tue	File 45418 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	1430	12076	Tue	Undecodable. Very poor signal	FSK 200/1000	(AB-POL)
F06a	28-10	0600	17481	Wed	File 45419 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	0615	19834	Wed	File 45419 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	28-10	0630	22875	Wed	File 45419 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	28-10	0700	10541	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)
F06a	28-10	0715	8113	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)
F06a	28-10	0730	6791	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)
F06a	28-10	1200	11173	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)
F06a	28-10	1215	9246	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)
F06a	28-10	1230	7611	Wed	File 44483 (binary contents). Text header: 44466 70202 25698 28083 00009	FSK 200/1000	(AB)

F06a	29-10	0600	17481	Thu	File 45419 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0615	19834	Thu	File 45419 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	29-10	0630	22875	Thu	File 45419 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	30-10	1900	10183	Fri	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	1915	9143	Fri	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	1930	8138	Fri	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	31-10	0600	13574	Sat	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	31-10	0615	12142	Sat	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	31-10	0630	11456	Sat	File 40459 (binary contents)	FSK 200/1000	(AB)
F06a	31-10	1600	23955	Sat	File 44976 (binary contents	FSK 200/1000	(AB-CNR)
F06a	31-10	1615	22899	Sat	File 44976 (binary contents	FSK 200/1000	(AB-S)
F06a	31-10	1630	19851	Sat	File 44976 (binary contents	FSK 200/1000	(AB-S)
F07	1-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	1-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	8-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	8-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	15-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	20-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
G06	25-10	1440	10755	Sun	test tones 975 (moved to 10475 kHz at 1536z, and teh to 10477 kHz at 1544z. Back to 10755 khz at 1611z)	USB	(PY)
G06	25-10	1508	10755	Sun	975 (R), test tones	USB	(PY)
G06	25-10	1515	10755	Sun	975 (R)	USB	(PY)
G06	26-10	1131	10755	Mon	975 (R) Windows shut down sound	USB	(PY)
G06	27-10	1025	10755	Tue	975 (R) 711 54 27822 49233 99406 ... 95731 44431 97538 00000 followed by several Windows sounds	USB	(PY)
G06	27-10	1149	10755	Tue	975 (R) ... (unreadble) Test tone at 1151z	USB	(PY)
G06	28-10	0847	10755	Wed	975 (R 2m)	USB	(PY)
KRE	13-10	0620	13800	Tue	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-10	0632	13800	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
M01	1-10	1800	5475	Thu	463 129 129 30 30 = = 78675 45347 90321 ... 10908 36328 67466 = = 129 129 30 30 000	CW	(AB-S)
M01	1-10	2000	5020	Thu	463 227 227 30 30 = = 67545 34231 11786 ... 34231 17675 84523 = = 227 227 30 30 000	CW	(AB)
M01	3-10	0715	7115	Sat	475 367 367 50 50 = = 83175 02518 075 214 14 2 1419 ... 38150 29157 71540 367 367 50 50 - = 000	CW	(PY)
M01	4-10	0715	7115	Sun	Transmitter up but then TX failure and no M01	CW	(PY)

M01	6-10	1800	5475	Tue	463 532 532 30 30 = = 19033 70319 38307 ... 05217 70415 12038 = = 532 532 30 30 000	CW	(AB-S)
M01	6-10	2000	5020	Tue	463 203 203 30 30 = = 54789 02385 75492 ... 81702 57763 81750 = = 203 203 30 30 000	CW	(AB-S)
M01	8-10	1800	5475	Thu	463 101 101 30 30 = = 64730 39837 65143 ... 63651 09118 44091 = = 101 101 30 30 000	CW	(AB-S)
M01	8-10	2000	5020	Thu	463 303 303 30 30 = 64783 20918 26816 ... 27637 28918 17261 = = 303 303 30 30 000	CW	(AB)
M01	10-10	0715	7115	Sat	475 ... unreadable distorted signal	CW	(PY)
M01	10-10	1500	6260	Sat	463 152 152 30 30 = = 83021 51407 71250 ... 70382 91307 33091 = = 152 152 30 30 000	CW	(AB)
M01	11-10	0700	6510	Sun	463 827 827 30 30 = = 57402 75407 63891 ... 88302 76595 67755 = = 827 827 30 30 000	CW	(AB)
M01	13-10	1800	5475	Tue	463 251 251 30 30 = = 94783 40722 74014 ... 92084 17549 10923 = = 251 251 30 30 000	CW	(AB-S/RL-HOL)
M01	13-10	2000	5020	Tue	463 703 703 30 30 = = 32901 94571 48029 ... 75492 57480 02764 = = = 703 703 30 30 000	CW	(AB-S)
M01	15-10	1800	5475	Thu	463 443 443 30 30 = = 67543 23143 89764 ... 22224 75634 54523 = = 443 443 30 30 000	CW	(AB-S)
M01	15-10	2000	5020	Thu	463 107 107 30 30 = = 55534 76745 23243 ... 34256 45398 63483 = = 107 107 30 30 000	CW	(AB)
M01	17-10	0715	7115	Sat	475 434 434 50 50 91129 64257 04667 ... 85672 89536 84562 434 434 50 50 = = 0 0 0	CW	(PY)
M01	17-10	1500	6260	Sat	463 765 765 30 30 = = 73846 23512 47653 ... 65432 78900 65656 = = 765 765 30 30 000	CW	(AB-FIN)
M01	18-10	0700	6510	Sun	463 321 321 30 30 = = 12342 87654 90987 ... 90087 43211 80889 = = 321 321 30 30 000	CW	(AB)
M01	20-10	1800	5475	Tue	463 884 884 30 30 = = 56567 12345 90900 ... 80961 12134 87830 = = 884 884 30 30 000	CW	(AB-S)
M01	20-10	2000	5020	Tue	463 991 991 30 30 = = 78765 33312 12908 ... 09008 63201 34985 = = 991 991 30 30 000	CW	(AB-S)
M01	22-10	1800	5475	Thu	463 884 884 30 30 = = 56567 12345 90900 ... 80961 12134 87830 = = 884 884 30 30 000	CW	(AB-S)
M01	22-10	2000	5020	Thu	463 ... (too weak to copy)	CW	(AB)
M01	24-10	1500	6260	Sat	463 783 783 30 30 = = 75869 56364 58769 ... 68743 46712 38796 = = 783 783 30 30 000	CW	(AB)
M01	25-10	0700	6510	Sun	463 683 683 30 30 = = 57832 45612 49807 ... 48869 67734 77221 = = 683 683 30 30 000	CW	(AB)
M01	27-10	1800	5475	Tue	463 230 230 30 30 = = 78765 89654 12345 ... 10221 43219 87831 = = 230 230 30 30 000	CW	(AB-S)
M01	27-10	2000	5020	Tue	463 815 815 30 30 = = 56789 45432 12113 ... 45665 78785 78932 = = 815 815 30 30 000	CW	(AB-S)
M01	29-10	1800	5475	Thu	463 103 103 30 30 = = 67890 56732 12312 ... 96512 34150 67321 = = 103 103	CW	(AB-S)

					30 30 000		
M01	29-10	2000	5020	Thu	463 653 653 30 30 = = 67542 12340 34521 ... 78574 23288 97997 = = 653 653 30 30 000	CW	(AB)
M01	31-10	1500	6260	Sat	463 876 876 30 30 = = 67854 13244 08999 ...	CW	(AB)
M12	1-10	1300	13409	Thu	397 397 397 1 8948 99 8948 99 06448 48207 82095 ... 12465 35759 73725 000 000	CW	(AB)
M12	1-10	1320	12195	Thu	397 397 397 1 8948 99 8948 99 06448 48207 82095 ... 12465 35759 73725 000 000	CW	(AB)
M12	1-10	1340	11526	Thu	397 397 397 1 8948 99 8948 99 06448 48207 82095 ... 12465 35759 73725 000 000	CW	(AB)
M12	1-10	1900	11564	Thu	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(AB)
M12	1-10	1920	10487	Thu	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(AB)
M12	1-10	1940	9319	Thu	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(AB)
M12	2-10	0800	10936	Fri	931 931 931 1 1459 197 1459 197 74524 89402 ... 60382 71838 01537 000 000	CW	(AB-J)
M12	2-10	0820	10356	Fri	931 931 931 1 1459 197 1459 197 74524 89402 ... 60382 71838 01537 000 000	CW	(AB-J)
M12	2-10	0840	9153	Fri	931 931 931 1 1459 197 1459 197 74524 89402 ... 60382 71838 01537 000 000	CW	(AB-J)
M12	2-10	2100	7976	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB/RL)
M12	2-10	2120	9152	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	2-10	2140	10312	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	3-10	1900	11564	Sat	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(TM)
M12	3-10	1920	10487	Sat	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(TM)
M12	3-10	1940	9319	Sat	258 258 258 1 5019 254 5019 254 28404 24501 65311 ... 65206 32843 55452 000 000	CW	(TM)
M12	3-10	2100	7976	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(TM)
M12	3-10	2120	9152	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(TM)
M12	3-10	2140	10312	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(TM)
M12	4-10	1900	13409	Sun	397 397 397 1 1554 193 1554 193 79126 99709 44910 ... 19225 29782 39824 000 000	CW	(AB)
M12	4-10	1920	12195	Sun	397 397 397 1 1554 193 1554 193 79126 99709 44910 ... 19225 29782 39824 000 000	CW	(AB)
M12	4-10	1940	11526	Sun	397 397 397 1 1554 193 1554 193 79126 99709 44910 ... 19225 29782 39824 000 000	CW	(AB)
M12	4-10	2350	10270	Sun	320 320 320 1 4031 127 4031 127 93810 52955 02738 ... 05045 19896 58766 000 000	CW	(PY)
M12	5-10	0800	10936	Mon	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-USA)
M12	5-10	0820	10356	Mon	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-USA)
M12	5-10	0840	9153	Mon	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-USA)
M12	5-10	1900	13409	Mon	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	5-10	1920	12195	Mon	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	5-10	1940	11526	Mon	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	6-10	1300	13409	Tue	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB)
M12	6-10	1320	12195	Tue	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB)
M12	6-10	1340	11526	Tue	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB/Hiram)
M12	8-10	1300	13409	Thu	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB/RL)
M12	8-10	1320	12195	Thu	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB)
M12	8-10	1340	11526	Thu	397 397 397 1 6674 95 6674 95 54117 75225 38132 ... 71562 74647 84321 000 000	CW	(AB)
M12	8-10	1900	11564	Thu	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	8-10	1920	10487	Thu	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	8-10	1940	9319	Thu	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	9-10	0800	10936	Fri	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-J)

M12	9-10	0820	10356	Fri	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-J)
M12	9-10	0840	9153	Fri	931 931 931 2227 168 2227 168 60536 19158 23521 ... 47749 08966 54771 000 000	CW	(AB-J)
M12	9-10	2100	7976	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	9-10	2120	9152	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	9-10	2140	10312	Fri	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	10-10	1900	11564	Sat	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	10-10	1920	10487	Sat	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	10-10	1940	9319	Sat	258 258 258 1 5403 296 5403 296 07123 09802 06310 ... 51972 96765 79751 000 000	CW	(AB)
M12	10-10	2100	7976	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	10-10	2120	9152	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	10-10	2140	10312	Sat	913 913 913 1 3728 124 3728 124 96702 87034 82504 ... 80758 41825 31191 000 000	CW	(AB)
M12	11-10	1900	13409	Sun	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	11-10	1920	12195	Sun	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	11-10	1940	11526	Sun	397 397 397 1 3092 183 3092 183 42615 82254 89182 ... 47705 94483 03669 000 000	CW	(AB)
M12	12-10	0800	10936	Mon	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	12-10	0820	10356	Mon	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	12-10	0840	9153	Mon	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	12-10	1900	13409	Mon	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	12-10	1920	12195	Mon	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	12-10	1940	11526	Mon	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	13-10	1300	13409	Tue	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	13-10	1320	12195	Tue	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	13-10	1340	11526	Tue	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	15-10	1300	13409	Thu	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	15-10	1320	12195	Thu	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	15-10	1340	11526	Thu	397 397 397 1 1980 93 1980 93 53838 22919 22801 ... 81474 26867 38850 000 000	CW	(AB)
M12	15-10	1900	11564	Thu	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000	CW	(AB)
M12	15-10	1920	10487	Thu	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000	CW	(AB)
M12	15-10	1940	9319	Thu	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000	CW	(AB)
M12	16-10	0800	10936	Fri	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	16-10	0820	10356	Fri	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	16-10	0840	9153	Fri	931 931 931 1 4194 134 4194 134 38278 51844 94631 ... 71017 13330 05466 000 000	CW	(AB-USA)
M12	16-10	2100	7976	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB/RL)
M12	16-10	2120	9152	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB/RL)
M12	16-10	2140	10312	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB/RL)
M12	17-10	1900	11564	Sat	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000 Restart halfway the message	CW	(AB/GR2)
M12	17-10	1920	10487	Sat	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000	CW	(AB/GR2)
M12	17-10	1940	9319	Sat	258 258 258 1 2049 297 2049 297 50273 61534 45596 ... 98986 16887 32224 000 000	CW	(AB/GR2)
M12	17-10	2100	7976	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	17-10	2120	9152	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	17-10	2140	10312	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)

M12	18-10	1900	13409	Sun	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	18-10	1920	12195	Sun	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	18-10	1940	11526	Sun	397 397 397 1 5092 168 5092 168 08598 05207 94049 ... 52767 25894 02511 000 000	CW	(AB)
M12	19-10	0800	10936	Mon	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-USA)
M12	19-10	0820	10356	Mon	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-J)
M12	19-10	0840	9153	Mon	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-J)
M12	20-10	1300	13409	Tue	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	20-10	1320	12195	Tue	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	20-10	1340	11526	Tue	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	22-10	1300	13409	Thu	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	22-10	1320	12195	Thu	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	22-10	1340	11526	Thu	397 397 397 1 5583 81 5583 81 96206 83140 68241 ... 55534 57565 87805 000 000	CW	(AB)
M12	23-10	0800	10936	Fri	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-USA)
M12	23-10	0820	10356	Fri	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-J)
M12	23-10	0840	9153	Fri	931 931 931 1 2297 104 2297 104 47347 67644 80381 ... 72177 95548 15624 000 000	CW	(AB-J)
M12	23-10	2100	7976	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	23-10	2120	9152	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	23-10	2140	10312	Fri	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	24-10	1900	11564	Sat	258 258 258 1 8526 289 8526 289 17551 98554 31670 ...	CW	(AB)
M12	24-10	1920	10487	Sat	258 258 258 1 8526 289 8526 289 17551 98554 31670 ...	CW	(AB)
M12	24-10	1940	9319	Sat	258 258 258 1 8526 289 8526 289 17551 98554 31670 ...	CW	(AB)
M12	24-10	2100	7976	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	24-10	2120	9152	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	24-10	2140	10312	Sat	913 913 913 1 3208 157 3208 157 80583 08962 93169 ... 08777 81891 80541 000 000	CW	(AB)
M12	26-10	0800	10936	Mon	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-J)
M12	26-10	0820	10356	Mon	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-KOR)
M12	26-10	0840	9153	Mon	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-J)
M12	27-10	1300	13409	Tue	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	27-10	1320	12195	Tue	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	27-10	1340	11526	Tue	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	29-10	1300	13409	Thu	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	29-10	1320	12195	Thu	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	29-10	1340	11526	Thu	397 397 397 1 4804 95 4804 95 27590 15627 34871 ... 43445 01046 06469 000 000	CW	(AB)
M12	29-10	1900	11564	Thu	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)
M12	29-10	1920	10487	Thu	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)
M12	29-10	1940	9319	Thu	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)
M12	30-10	0800	10936	Fri	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-J)
M12	30-10	0820	10356	Fri	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-KOR)
M12	30-10	0840	9153	Fri	931 931 931 1 1771 179 1771 179 53386 78210 06133 ... 60741 96118 77279 000 000	CW	(AB-J)
M12	31-10	1900	11564	Sat	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)
M12	31-10	1920	10487	Sat	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)
M12	31-10	1940	9319	Sat	258 258 258 1 7559 296 7559 296 15031 91936 54038 ... 56406 42753 39916 000 000	CW	(AB)

M12	31-10	2100	7976	Sat	913 913 913 1 3638 203 3638 203 42674 90669 04053 ...	CW	(AB)
M12	31-10	2120	9152	Sat	913 913 913 1 3638 203 3638 203 42674 90669 04053 ...	CW	(AB)
M12	31-10	2140	10312	Sat	913 913 913 1 3638 203 3638 203 42674 90669 04053 ...	CW	(AB)
M14	1-10	0500	12211	Thu	952 173 173 44 44 = = 10589 14692 53171 ... 42058 10056 12447 = = 173 173 44 44 952 460 460 15 15 = = 95093 01309 82223 ... 95540 37536 99396 = = 460 460 15 15 00000	CW	(AB-USA)
M14	1-10	0520	10243	Thu	952 173 173 44 44 = = 10589 14692 53171 ... 42058 10056 12447 = = 173 173 44 44 952 460 460 15 15 = = 95093 01309 82223 ... 95540 37536 99396 = = 460 460 15 15 00000	CW	(AB-USA)
M14	2-10	0500	12211	Fri	952 952 952 00000	CW	(AB-USA)
M14	2-10	0520	10243	Fri	952 952 952 00000	CW	(AB-USA)
M14	5-10	0500	12211	Mon	952 837 837 52 52 = = 68303 35835 04992 ... 26801 34871 77607 = = 837 837 52 52 00000	CW	(AB-USA)
M14	5-10	0520	10243	Mon	952 837 837 52 52 = = 68303 35835 04992 ... 26801 34871 77607 = = 837 837 52 52 00000	CW	(AB-USA)
M14	6-10	0500	12211	Tue	952 837 837 52 52 = = 68303 35835 04992 ... 26801 34871 77607 = = 837 837 52 52 00000	CW	(AB-J)
M14	6-10	0520	10243	Tue	952 837 837 52 52 = = 68303 35835 04992 ... 26801 34871 77607 = = 837 837 52 52 00000	CW	(AB-J)
M14	7-10	0500	12211	Wed	952 183 183 24 24 = = 63868 92073 41324 ... 81014 49043 90748 = = 183 183 24 24 52 952 604 604 27 27 = = 79446 60257 43711 ... 63036 40562 58706 = = 604 604 27 27 00000	CW	(AB-J)
M14	7-10	0520	10243	Wed	952 183 183 24 24 = = 63868 92073 41324 ... 81014 49043 90748 = = 183 183 24 24 52 952 604 604 27 27 = = 79446 60257 43711 ... 63036 40562 58706 = = 604 604 27 27 00000	CW	(AB-J)
M14	8-10	0500	12211	Thu	952 183 183 24 24 = = 63868 92073 41324 ... 81014 49043 90748 = = 183 183 24 24 52 952 604 604 27 27 = = 79446 60257 43711 ... 63036 40562 58706 = = 604 604 27 27 00000	CW	(AB-USA)
M14	8-10	0520	10243	Thu	952 183 183 24 24 = = 63868 92073 41324 ... 81014 49043 90748 = = 183 183 24 24 52 952 604 604 27 27 = = 79446 60257 43711 ... 63036 40562 58706 = = 604 604 27 27 00000	CW	(AB-USA)
M14	9-10	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	9-10	0521	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	10-10	0930	17458	Sat	617 617 617 00000	CW	(AB)
M14	12-10	0500	12211	Mon	952 178 178 54 54 = = 97409 82800 83919 ... 81083 43159 24351 = = 178 178 54 54 00000	CW	(AB-J)
M14	12-10	0520	10243	Mon	952 178 178 54 54 = = 97409 82800 83919 ... 81083 43159 24351 = = 178 178 54 54 00000	CW	(AB-J)
M14	13-10	0500	12211	Tue	952 178 178 54 54 = = 97409 82800 83919 ... 81083 43159 24351 = = 178 178 54 54 00000	CW	(AB-J)
M14	13-10	0520	10243	Tue	952 178 178 54 54 = = 97409 82800 83919 ... 81083 43159 24351 = = 178 178 54 54 00000	CW	(AB-J)
M14	14-10	0500	12211	Wed	952 810 810 29 29 = = 52963 74312 04547 ... 79168 21172 03892 = = 810 810	CW	(AB-J)

					29 29 952 346 346 30 30 = = 62120 38888 86127 ... 87207 66156 67534 = = 346 345 30 30 00000		
M14	14-10	0520	10243	Wed	952 810 810 29 29 = = 52963 74312 04547 ... 79168 21172 03892 = = 810 810 29 29 952 346 346 30 30 = = 62120 38888 86127 ... 87207 66156 67534 = = 346 345 30 30 00000	CW	(AB-J)
M14	15-10	0500	12211	Thu	952 810 810 29 29 = = 52963 74312 04547 ... 79168 21172 03892 = = 810 810 29 29 952 346 346 30 30 = = 62120 38888 86127 ... 87207 66156 67534 = = 346 345 30 30 00000	CW	(AB-J)
M14	15-10	0520	10243	Thu	952 810 810 29 29 = = 52963 74312 04547 ... 79168 21172 03892 = = 810 810 29 29 952 346 346 30 30 = = 62120 38888 86127 ... 87207 66156 67534 = = 346 345 30 30 00000	CW	(AB-J)
M14	16-10	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	16-10	0521	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	19-10	0500	12211	Mon	952 741 741 60 60 = = 61176 33130 79650 ... 03962 09500 61525 = = 741 741 60 60 000	CW	(AB-J)
M14	19-10	0520	10243	Mon	952 741 741 60 60 = = 61176 33130 79650 ... 03962 09500 61525 = = 741 741 60 60 000	CW	(AB-J)
M14	20-10	0500	12211	Tue	952 741 741 60 60 = = 61176 33130 79650 ... 03962 09500 61525 = = 741 741 60 60 000	CW	(AB-J)
M14	20-10	0520	10243	Tue	952 741 741 60 60 = = 61176 33130 79650 ... 03962 09500 61525 = = 741 741 60 60 000	CW	(AB-J)
M14	21-10	0500	12211	Wed	952 603 603 25 25 = = 31672 95121 18126 ... 87912 01132 72860 = = 603 603 25 25 952 187 187 25 25 = = 68513 37790 45107 ... 52735 97014 25048 = = 187 187 25 25 00000	CW	(AB-J)
M14	21-10	0520	10243	Wed	952 603 603 25 25 = = 31672 95121 18126 ... 87912 01132 72860 = = 603 603 25 25 952 187 187 25 25 = = 68513 37790 45107 ... 52735 97014 25048 = = 187 187 25 25 00000	CW	(AB-J)
M14	22-10	0500	12211	Thu	952 603 603 25 25 = = 31672 95121 18126 ... 87912 01132 72860 = = 603 603 25 25 952 187 187 25 25 = = 68513 37790 45107 ... 52735 97014 25048 = = 187 187 25 25 00000	CW	(AB-J)
M14	22-10	0520	10243	Thu	952 (R4m) then off	CW	(AB-J)
M14	23-10	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	23-10	0521	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	26-10	0500	12211	Mon	952 463 463 57 57 = = 17681 46601 85925 ... 37432 03532 89266 = = 463 463 57 57 00000	CW	(AB-J)
M14	26-10	0521	10243	Mon	952 463 463 57 57 = = 17681 46601 85925 ... 37432 03532 89266 = = 463 463 57 57 00000	CW	(AB-J)
M14	27-10	0500	12211	Tue	952 463 463 57 57 = = 17681 46601 85925 ... 37432 03532 89266 = = 463 463 57 57 00000	CW	(Subilo)
M14	27-10	0520	10243	Tue	952 (R 4m) then off	CW	(Subilo)
M14	28-10	0500	12211	Wed	952 801 801 24 24 = = 30495 09645 82355 ... 20246 96009 39650 = = 801 801 24 24 952 374 374 29 29 = = 02836 43573 33974 ... 07723 23204 4870 = = 374 374 29 29 00000	CW	(AB-J)

M14	28-10	0520	10243	Wed	952 801 801 24 24 = = 30495 09645 82355 ... 20246 96009 39650 = = 801 801 24 24 952 374 374 29 29 = = 02836 43573 33974 ... 07723 23204 4870 = = 374 374 29 29 00000	CW	(AB-J)
M14	29-10	0500	12211	Thu	952 801 801 24 24 = = 30495 09645 82355 ... 20246 96009 39650 = = 801 801 24 24 952 374 374 29 29 = = 02836 43573 33974 ... 07723 23204 4870 = = 374 374 29 29 00000	CW	(Subilo)
M14	29-10	0520	10243	Thu	952 801 801 24 24 = = 30495 09645 82355 ... 20246 96009 39650 = = 801 801 24 24 952 374 374 29 29 = = 02836 43573 33974 ... 07723 23204 4870 = = 374 374 29 29 00000	CW	(Subilo)
M14	30-10	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	30-10	0521	10243	Fri	952 952 952 00000	CW	(AB-J)
M23	1-10	0059	4822	Thu	3 (R25m)	CW	(AB)
M23	1-10	0159	4822	Thu	1 (R25m)	CW	(AB)
M23	1-10	0259	4822	Thu	1 (R25m)	CW	(AB)
M23	1-10	0559	5345	Thu	4 (R25m)	CW	(AB)
M23	1-10	0659	5345	Thu	4 (R25m)	CW	(AB)
M23	1-10	0759	5345	Thu	1 (R25m)	CW	(AB)
M23	1-10	0859	5345	Thu	1 (R25m)	CW	(AB)
M23	1-10	0959	9476	Thu	1 (R25m)	CW	(AB)
M23	1-10	1059	9476	Thu	1 (R25m)	CW	(AB)
M23	1-10	1159	11428	Thu	1 (R25m)	CW	(AB)
M23	1-10	1259	11428	Thu	4 (R25m)	CW	(AB)
M23	1-10	1359	11428	Thu	4 (R25m)	CW	(AB)
M23	1-10	1459	11428	Thu	3 (R25m)	CW	(AB)
M23	1-10	1759	7542	Thu	2 (R25m)	CW	(AB)
M23	1-10	1859	7542	Thu	2 (R25m)	CW	(AB)
M23	2-10	0159	4822	Fri	1 (R25m)	CW	(AB)
M23	2-10	0559	5345	Fri	4 (R25m)	CW	(AB)
M23	2-10	0759	5345	Fri	1 (R25m)	CW	(AB)
M23	2-10	0859	5345	Fri	1 (R25m)	CW	(AB)
M23	2-10	0959	9476	Fri	1 (R25m)	CW	(AB)
M23	2-10	1059	9476	Fri	1 (R25m)	CW	(AB)
M23	2-10	1159	11428	Fri	1 (R25m)	CW	(AB)
M23	2-10	1259	11428	Fri	4 (R25m)	CW	(AB)
M23	2-10	1359	11428	Fri	4 (R25m)	CW	(AB)
M23	2-10	1459	11428	Fri	3 (R25m)	CW	(AB)
M23	2-10	1559	9811	Fri	2 (R25m)	CW	(AB)
M23	2-10	1659	9811	Fri	2 (R25m)	CW	(AB)
M23	2-10	1759	7542	Fri	2 (R25m)	CW	(AB)
M23	2-10	1859	7542	Fri	2 (R25m)	CW	(AB)
M23	3-10	0059	4822	Sat	3 (R25m)	CW	(AB)
M23	3-10	0159	4822	Sat	1 (R25m)	CW	(AB)

M23	3-10	0259	4822	Sat	1 (R25m)	CW	(AB)
M23	3-10	0559	5345	Sat	4 (R25m)	CW	(AB)
M23	3-10	0659	5345	Sat	4 (R25m)	CW	(AB)
M23	3-10	0759	5345	Sat	1 (R25m)	CW	(AB)
M23	3-10	0859	5345	Sat	1 (R25m)	CW	(AB)
M23	3-10	0959	9476	Sat	1 (R25m)	CW	(AB)
M23	3-10	1059	9476	Sat	1 (R25m)	CW	(AB)
M23	3-10	1159	11428	Sat	1 (R25m)	CW	(TM)
M23	3-10	1259	11428	Sat	4 (R25m)	CW	(TM)
M23	3-10	1359	11428	Sat	4 (R25m)	CW	(TM)
M23	3-10	1459	11428	Sat	3 (R25m)	CW	(TM)
M23	3-10	1559	9811	Sat	2 (R25m)	CW	(TM)
M23	3-10	1659	9811	Sat	2 (R25m)	CW	(TM)
M23	3-10	1759	7542	Sat	2 (R25m)	CW	(TM)
M23	3-10	1859	7542	Sat	2 (R25m)	CW	(TM)
M23	4-10	0059	4822	Sun	3 (R25m)	CW	(TM)
M23	4-10	0159	4822	Sun	1 (R25m)	CW	(TM)
M23	4-10	0259	4822	Sun	1 (R25m)	CW	(TM)
M23	4-10	0559	5345	Sun	4 (R25m)	CW	(TM)
M23	4-10	0659	5345	Sun	4 (R25m)	CW	(TM)
M23	4-10	0759	5345	Sun	1 (R25m)	CW	(TM)
M23	4-10	0859	5345	Sun	1 (R25m)	CW	(TM)
M23	4-10	0959	9476	Sun	1 (R25m)	CW	(AB)
M23	4-10	1059	9476	Sun	1 (R25m)	CW	(AB)
M23	4-10	1159	11428	Sun	1 (R25m)	CW	(AB)
M23	6-10	1259	10916	Tue	5 (R25m)	CW	(AB)
M23	6-10	1329	10916	Tue	5 (R25m)	CW	(AB)
M23	6-10	1359	10916	Tue	5 (R25m)	CW	(AB)
M23	6-10	1429	10916	Tue	5 (R25m)	CW	(AB)
M23	6-10	1459	10916	Tue	5 (R25m)	CW	(AB)
M23	7-10	1159	10916	Wed	5 (R25m)	CW	(AB)
M23	7-10	1229	10916	Wed	5 (R25m)	CW	(AB)
M23	7-10	1259	10916	Wed	5 (R25m)	CW	(AB)
M23	7-10	1329	10916	Wed	5 (R25m)	CW	(AB)
M23	7-10	1359	10916	Wed	5 (R25m)	CW	(AB)
M23	7-10	1429	10916	Wed	5 (R25m)	CW	(AB)
M23	8-10	1159	10916	Thu	5 (R25m)	CW	(AB)
M23	8-10	1229	10916	Thu	5 (R25m)	CW	(AB)
M23	8-10	1259	10916	Thu	5 (R25m)	CW	(AB)
M23	8-10	1329	10916	Thu	5 (R25m)	CW	(AB)
M23	8-10	1359	10916	Thu	5 (R25m)	CW	(AB)
M23	8-10	1429	10916	Thu	5 (R25m)	CW	(AB)

M23	8-10	1459	10916	Thu	Hourly beep	CW	(AB)
M23	9-10	0059	4444	Fri	5 (R25m)	CW	(AB)
M23	9-10	0129	4444	Fri	5 (R25m)	CW	(AB)
M23	9-10	0459	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	0529	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	0559	5921	Fri	time beep, no transmission	CW	(AB)
M23	9-10	0629	5921	Fri	no transmission	CW	(AB)
M23	9-10	0659	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	0729	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	0759	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	0829	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	1259	10916	Fri	5 (R25m)	CW	(AB)
M23	9-10	1329	10916	Fri	5 (R25m)	CW	(AB)
M23	9-10	1359	10916	Fri	5 (R25m)	CW	(AB)
M23	9-10	1959	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	2029	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	2259	5921	Fri	5 (R25m)	CW	(AB)
M23	9-10	2329	5921	Fri	5 (R25m)	CW	(AB)
M23	10-10	0059	4444	Sat	5 (R25m)	CW	(AB)
M23	10-10	0129	4444	Sat	5 (R25m)	CW	(AB)
M23	10-10	0459	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	0529	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	0659	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	0729	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	0759	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	0829	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	1159	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1229	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1259	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1329	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1359	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1429	10916	Sat	5 (R25m)	CW	(AB)
M23	10-10	1959	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2029	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2059	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2129	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2159	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2229	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2259	5921	Sat	5 (R25m)	CW	(AB)
M23	10-10	2329	5921	Sat	5 (R25m)	CW	(AB)
M23	11-10	0059	4444	Sun	5 (R25m)	CW	(AB)
M23	11-10	0129	4444	Sun	5 (R25m)	CW	(AB)

M23	11-10	0459	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	0529	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	0659	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	0729	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	0759	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	0829	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	1159	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1229	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1259	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1329	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1359	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1429	10916	Sun	5 (R25m)	CW	(AB)
M23	11-10	1959	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	2029	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	2259	5921	Sun	5 (R25m)	CW	(AB)
M23	11-10	2329	5921	Sun	5 (R25m)	CW	(AB)
M23	12-10	0059	4444	Mon	5 (R25m)	CW	(AB)
M23	12-10	0129	4444	Mon	5 (R25m)	CW	(AB)
M23	12-10	0459	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	0529	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	0659	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	0729	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	0759	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	0829	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	1159	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1229	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1259	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1329	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1359	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1429	10916	Mon	5 (R25m)	CW	(AB)
M23	12-10	1959	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2029	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2059	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2129	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2159	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2229	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2259	5921	Mon	5 (R25m)	CW	(AB)
M23	12-10	2329	5921	Mon	5 (R25m)	CW	(AB)
M23	13-10	0029	4444	Tue	5 (R25m)	CW	(AB)
M23	13-10	0059	4444	Tue	5 (R25m)	CW	(AB)
M23	13-10	0129	4444	Tue	5 (R25m)	CW	(AB)
M23	13-10	0159	4444	Tue	5 (R25m)	CW	(AB)

M23	13-10	0229	4444	Tue	5 (R25m)	CW	(AB)
M23	13-10	0459	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	0529	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	0659	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	0729	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	0759	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	0829	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	1159	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1229	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1259	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1329	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1359	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1429	10916	Tue	5 (R25m)	CW	(AB)
M23	13-10	1759	7668	Tue	5 (R25m)	CW	(AB/Hiram)
M23	13-10	1829	7668	Tue	5 (R25m)	CW	(AB)
M23	13-10	1859	7668	Tue	5 (R25m)	CW	(AB/Hiram)
M23	13-10	1929	7668	Tue	5 (R25m)	CW	(AB)
M23	13-10	1959	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2029	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2059	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2129	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2159	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2229	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2259	5921	Tue	5 (R25m)	CW	(AB)
M23	13-10	2329	5921	Tue	5 (R25m)	CW	(AB)
M23	14-10	0029	4444	Wed	5 (R25m)	CW	(AB)
M23	14-10	0059	4444	Wed	5 (R25m)	CW	(AB)
M23	14-10	0129	4444	Wed	5 (R25m)	CW	(AB)
M23	14-10	0159	4444	Wed	5 (R25m)	CW	(AB)
M23	14-10	0229	4444	Wed	5 (R25m)	CW	(AB)
M23	14-10	0459	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	0529	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	0659	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	0729	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	0759	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	0829	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	1159	10916	Wed	5 (R25m)	CW	(AB)
M23	14-10	1229	10916	Wed	5 (R25m)	CW	(AB)
M23	14-10	1259	10916	Wed	5 (R25m)	CW	(AB)
M23	14-10	1329	10916	Wed	5 (R25m)	CW	(AB)
M23	14-10	1359	10916	Wed	5 (R25m)	CW	(AB)
M23	14-10	1429	10916	Wed	5 (R25m)	CW	(AB)

M23	14-10	1659	7668	Wed	5 (R25m)	CW	(AB)
M23	14-10	1729	7668	Wed	5 (R25m)	CW	(AB)
M23	14-10	1759	7668	Wed	5 (R25m)	CW	(AB/Hiram)
M23	14-10	1829	7668	Wed	5 (R25m)	CW	(AB)
M23	14-10	1859	7668	Wed	5 (R25m)	CW	(AB/Hiram)
M23	14-10	1929	7668	Wed	5 (R25m)	CW	(AB)
M23	14-10	1959	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2029	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2059	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2129	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2159	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2229	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2259	5921	Wed	5 (R25m)	CW	(AB)
M23	14-10	2329	5921	Wed	5 (R25m)	CW	(AB)
M23	15-10	0029	4444	Thu	5 (R7m)	CW	(AB)
M23	15-10	0059	4444	Thu	5 (R25m)	CW	(AB)
M23	15-10	0129	4444	Thu	5 (R25m)	CW	(AB)
M23	15-10	0459	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0529	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0659	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0729	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0759	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0829	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	0859	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	0929	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	0959	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	1029	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	1059	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	1129	9886	Thu	5 (R25m)	CW	(AB)
M23	15-10	1159	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1229	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1259	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1329	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1359	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1429	10916	Thu	5 (R25m)	CW	(AB)
M23	15-10	1659	7668	Thu	5 (R25m)	CW	(AB)
M23	15-10	1729	7668	Thu	5 (R25m)	CW	(AB)
M23	15-10	1759	7668	Thu	5 (R25m)	CW	(AB)
M23	15-10	1829	7668	Thu	5 (R25m)	CW	(AB)
M23	15-10	1859	7668	Thu	5 (R25m)	CW	(AB)
M23	15-10	1959	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2029	5921	Thu	5 (R25m)	CW	(AB)

M23	15-10	2059	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2129	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2159	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2229	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2259	5921	Thu	5 (R25m)	CW	(AB)
M23	15-10	2329	5921	Thu	5 (R25m)	CW	(AB)
M23	16-10	0029	4444	Fri	5 (R25m)	CW	(AB)
M23	16-10	0059	4444	Fri	5 (R25m)	CW	(AB)
M23	16-10	0129	4444	Fri	5 (R25m)	CW	(AB)
M23	16-10	0159	4444	Fri	5 (R25m)	CW	(AB)
M23	16-10	0229	4444	Fri	5 (R25m)	CW	(AB)
M23	16-10	0459	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0529	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0559	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0629	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0659	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0729	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0759	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0829	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	0859	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	0929	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	0959	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	1029	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	1059	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	1129	9886	Fri	5 (R25m)	CW	(AB)
M23	16-10	1159	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1229	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1259	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1329	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1359	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1429	10916	Fri	5 (R25m)	CW	(AB)
M23	16-10	1659	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1729	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1759	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1829	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1859	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1929	7668	Fri	5 (R25m)	CW	(AB)
M23	16-10	1959	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2029	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2059	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2129	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2159	5921	Fri	5 (R25m)	CW	(AB)

M23	16-10	2229	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2259	5921	Fri	5 (R25m)	CW	(AB)
M23	16-10	2329	5921	Fri	5 (R25m)	CW	(AB)
M23	17-10	0029	4444	Sat	5 (R25m)	CW	(AB)
M23	17-10	0059	4444	Sat	5 (R25m)	CW	(AB)
M23	17-10	0129	4444	Sat	5 (R25m)	CW	(AB)
M23	17-10	0159	4444	Sat	5 (R25m)	CW	(AB)
M23	17-10	0229	4444	Sat	5 (R25m)	CW	(AB)
M23	17-10	0459	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0529	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0659	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0729	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0759	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0829	5921	Sat	5 (R25m)	CW	(AB)
M23	17-10	0859	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	0929	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	0959	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	1029	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	1059	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	1129	9886	Sat	5 (R25m)	CW	(AB)
M23	17-10	1159	10916	Sat	5 (R25m)	CW	(AB)
M23	17-10	1229	10916	Sat	5 (R25m)	CW	(AB)
M23	27-10	1452	10916	Tue	i.p. 5 (R)	CW	(Pille)
M23	27-10	1759	7668	Tue	5 (R 25m)	CW	(AB)
M23	27-10	1829	7668	Tue	5 (R 25m)	CW	(AB)
M23	27-10	2259	5921	Tue	5 (R 25m)	CW	(AB)
M23	27-10	2329	5921	Tue	5 (R 25m)	CW	(AB)
M23	28-10	0059	4444	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0129	4444	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0659	5921	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0729	5921	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0759	5921	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0829	5921	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0859	9886	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0929	9886	Wed	5 (R 25m)	CW	(AB)
M23	28-10	0959	9886	Wed	5 (R 25m)	CW	(AB)
M23	28-10	1715	5450	Wed	5 (R)	CW	(Pille)
M23	28-10	1959	5450	Wed	5 (R 25m)	CW	(AB)
M23	28-10	2029	5450	Wed	5 (R 25m)	CW	(AB)
M23	29-10	0459	5450	Thu	5 (R 25m)	CW	(AB)
M23	29-10	0529	5450	Thu	5 (R 25m)	CW	(AB)
M23	29-10	1659	5450	Thu	5 (R 25m)	CW	(AB)

M23	29-10	1729	5450	Thu	5 (R 25m)	CW	(AB)
M23	29-10	1959	5450	Thu	5 (R 25m)	CW	(AB)
M23	29-10	2029	5450	Thu	5 (R 25m)	CW	(AB)
M23	30-10	0459	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	0529	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	0559	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	0629	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	1659	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	1729	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	1959	5450	Fri	5 (R 25m)	CW	(AB)
M23	30-10	2029	5450	Fri	5 (R 25m)	CW	(AB)
M23	31-10	0459	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	0529	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	0559	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	0629	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	1659	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	1959	5450	Sat	5 (R 25m)	CW	(AB)
M23	31-10	2029	5450	Sat	5 (R 25m)	CW	(AB)
M42	1-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message	FSK CW + FSK 50/500	(AB)
M42	8-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message	FSK CW + FSK 50/500	(AB)
M42	8-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message	FSK CW + FSK 50/500	(AB-BER)
M42	15-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message	FSK CW + FSK 50/500	(AB)
M42	15-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message	FSK CW + FSK 50/500	(AB-BER)
M42	20-10	0825	13424	Tue	Russian diplo	MFSK-66	(RO)
M42	20-10	0845	18461	Tue	Russian diplo	MFSK-66	(RO)
M42	22-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message	FSK CW + FSK 50/500	(AB)
M42	22-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message	FSK CW + FSK 50/500	(AB-BER)
M42	29-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message	FSK CW + FSK 50/500	(AB)
M42	29-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message	FSK CW + FSK 50/500	(AB-BER)
M42b	8-10	1320	11431	Thu	K4MT KWMT K4MT DE NT9P NT9P K. Message header: 381 110 9 1315 5418 =	CW + FSK 50/500	(AB)
M42b	8-10	1335	11431	Thu	K4MT KWMT K4MT DE NT9P NT9P K. Message header: 394 120 9 1335 7988 =	CW + FSK 50/500	(AB)
M51b	14-10	1423	6825	Wed	FAV22: non-stop 5-character groups	CW	(RL-HOL)
M89	2-10	0958	6701	Fri	V HJRA (x1) KU4A HU4A KU4A (x3) DE AA8V	CW	(JPL)

M89	2-10	1010	6565	Fri	i.p. F NR 1000/EX 18.. RMKS 2900 TO 1011 = ... AR F NR 1001/EX 1815 RMKS 1000 TO 2900 = AW3TAQ4Y AR. Both stations on this freq	CW	(JPL)
M89	2-10	1019	9251	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-10	1019	13362	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-10	1038	4485	Fri	i.p.	CW	(JPL)
M89	2-10	1048	9544	Fri	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	2-10	1048	10931	Fri	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	2-10	1059	9361	Fri	i.p. RMKS 3860 TO 3940 K	CW	(JPL)
M89	2-10	1112	7911	Fri	V HJRA (x1) KU4A HU4A KU4A (x3) DE AA8V (Con't)	CW	(JPL)
M89	2-10	1115	7768	Fri	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	2-10	1140	9145	Fri	i.p. Other stn on another freq	CW	(JPL)
M89	2-10	1343	3611	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-10	1343	4522	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-10	1343	5419	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-10	1210	6429	Sat	i.p. NR 0310 CK 25 36 1003 0830 RMKS 1170 TO 1196 K	CW	(JPL)
M89	3-10	1228	5672	Sat	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	3-10	1234	3611	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-10	1234	4522	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-10	1234	5419	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	3-10	1245	4325	Sat	i.p.	CW	(JPL)
M89	3-10	1259	4119	Sat	i.p.	CW	(JPL)
M89	3-10	2020	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	3-10	2020	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	4-10	0838	6865	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-10	0838	9251	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-10	0838	13362	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	4-10	0840	6853	Sun	i.p. RMKS 3465 TO 3466 K	CW	(JPL)
M89	4-10	0845	6805	Sun	i.p. NR 3137/CCK CK 91 24 1004 1630 RMKS YZQR TO N7NN K Both stns on this freq	CW	(JPL)
M89	4-10	0850	6701	Sun	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	4-10	0850	7911	Sun	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	4-10	0909	9544	Sun	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	4-10	0909	10931	Sun	Y3JI DE N6WX M89 (Repeated)	CW	(JPL)
M89	4-10	0940	7911	Sun	V HJRA (x1) KU4A (x3) DE AA8V F F F CQ 330675 8515/8777 COMM 45395/8515/1855/202/X088 /0675 AR	CW	(JPL)
M89	4-10	1010	6644	Sun	i.p. 1004 1810 RMKS 6703 TO 1472 K)	CW	(JPL)
M89	4-10	1019	5011	Sun	i.p. NR 020 CK 91 55 1004 1810 RMKS 1558 TO 1568 = 3128 ck 59 nr Both stns on this freq	CW	(JPL)
M89	6-10	1035	3611	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	6-10	1035	4522	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	6-10	1035	5419	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	6-10	1035	9251	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)

M89	6-10	1040	6701	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	6-10	1300	4443	Tue	i.p. DE SY3C F NR 83/EX 2106 RMKS CQ = F3K5/X6Q9 AR (x3) QSL ? all stations on this freq	CW	(JPL)
M89	7-10	0922	13362	Wed	TG1Y DE X9FW (R)	CW	(EW)
M89	9-10	1111	3611	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-10	1111	4522	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-10	1111	5419	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-10	1111	6865	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-10	1111	9251	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	9-10	1520	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	9-10	1520	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	9-10	1523	6666	Fri	i.p.	CW	(JPL)
M89	9-10	1538	4806	Fri	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	9-10	1542	4836	Fri	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	9-10	1548	5643	Fri	i.p.	CW	(JPL)
M89	12-10	1020	6840	Mon	VVV Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	12-10	1020	8290	Mon	VVV Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	12-10	1032	6865	Mon	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-10	1032	9251	Mon	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-10	1048	6738	Mon	i.p. DE UQS4 , DNA3 - Both stns on this freq	CW	(JPL)
M89	12-10	1055	6701	Mon	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	12-10	1055	7911	Mon	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	12-10	1058	7857	Mon	i.p. RMKS 8445 TO 5625 - Both stns on this freq	CW	(JPL)
M89	12-10	1102	7451	Mon	i.p. NR 2749/EX 1900 = H9Y4/U0M8 ARQS65 QSY 65 VVV	CW	(JPL)
M89	12-10	1106	6698	Mon	i.p. NR 3748/EX 1906 = NJI4/P2C9 AR QSY 63 QSY 63 VVV	CW	(JPL)
M89	12-10	1136	7502	Mon	i.p. RMKS 7793 TO 7790 =	CW	(JPL)
M89	12-10	1200	3611	Mon	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-10	1200	4522	Mon	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-10	1200	5419	Mon	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-10	1204	4806	Mon	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	12-10	1204	4836	Mon	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	12-10	1208	5420	Mon	i.p.	CW	(JPL)
M89	12-10	1212	5546	Mon	i.p. NR 1352 CK 14 1012 2000 RMKS 480229 TO 4804228 =	CW	(JPL)
M89	12-10	1222	5566	Mon	i.p. = AX7/WBO AR K NR 2357 CK 73 57 1012 1930 RMKS 8594 TO 7633 = Both stns on this freq	CW	(JPL)
M89	12-10	1226	5567	Mon	i.p. NR 1234/EX 2028 RMKS 5611 TO 6211 = ..3J/A6C9 =	CW	(JPL)
M89	12-10	1230	5573	Mon	i.p.	CW	(JPL)
M89	12-10	1233	5768	Mon	i.p. NR 4851 CK 51 84 1012 .... RMKS 968. TO 95.. = Both stns on this freq	CW	(JPL)
M89	12-10	1540	3774	Mon	i.p.	CW	(JPL)
M89	12-10	1548	4806	Mon	DE AA8V ...	CW	(JPL)
M89	12-10	1548	4836	Mon	DE AA8V ...	CW	(JPL)
M89	13-10	1042	3611	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)

M89	13-10	1042	4522	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-10	1042	6701	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	13-10	1042	7911	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	13-10	1046	5419	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-10	1046	9251	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	13-10	1100	8765	Tue	i.p. BS3N F F F NR 3197/EX 1900 = T4G0/Z3D2 AR (x3) QSY 61 (x2) VVV	CW	(JPL)
M89	13-10	1112	7598	Tue	i.p. ╔ ╔ ╔ NR 2804/EX 1912 = G5B1/WBS7 AR (x 3) QSY LW (x2) VVV	CW	(JPL)
M89	13-10	1120	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	13-10	1120	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	13-10	1126	6619	Tue	i.p.	CW	(JPL)
M89	13-10	1134	5888	Tue	i.p. Other stn on another freq	CW	(JPL)
M89	13-10	1137	5693	Tue	i.p.	CW	(JPL)
M89	13-10	1139	5630	Tue	i.p.	CW	(JPL)
M89	13-10	1143	5043	Tue	i.p. Other stn on another freq	CW	(JPL)
M89	13-10	1148	4668	Tue	i.p.	CW	(JPL)
M89	13-10	1456	5248	Tue	i.p. ╔ NR 0369/EX 1642 RMKS 9063 TO 7166 = XJ2/Y.4 AR SK SK Both stns on this freq	CW	(JPL)
M89	13-10	1508	5555	Tue	i.p.	CW	(JPL)
M89	14-10	0954	9251	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-10	1006	10350	Wed	i.p.	CW	(JPL)
M89	14-10	1017	6701	Wed	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	14-10	1017	7911	Wed	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	14-10	1037	7567	Wed	i.p. ╔ NR 0890/EX 1841 RMKS CQ = 7AS/6QW AR (x3) Control stn 6GHM working outstations on another freq	CW	(JPL)
M89	14-10	1100	3611	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-10	1100	4522	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-10	1100	5419	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-10	1145	6840	Wed	VVV Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	14-10	1145	8290	Wed	VVV Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	14-10	1650	3568	Wed	i.p. NR 109/CCK CK 51 47 1015 0.50 RMKS 2385 TO 2426.... = SVC NR 1100 = RMKS 2385 TO 2426/2445 = COMM/0130/331A/0385/2526 AR	CW	(JPL)
M89	14-10	1730	4806	Wed	V HJRA (x1) KU4A (x3) DE AA8V NR 056 CK 499 21 1014 2000 NR 057 CK 499 21 1015 0.30 =	CW	(JPL)
M89	14-10	1730	4836	Wed	V HJRA (x1) KU4A (x3) DE AA8V NR 056 CK 499 21 1014 2000 NR 057 CK 499 21 1015 0.30 =	CW	(JPL)
M89	15-10	1432	4522	Thu	V TG1Y TG1Y TG1Y DE X9FW X9FW	CW	(SW2-KOR)
M89	15-10	1434	5419	Thu	V TG1Y TG1Y TG1Y DE X9FW X9FW	CW	(SW2-KOR)
M89	15-10	1436	3611	Thu	V TG1Y TG1Y TG1Y DE X9FW X9FW	CW	(SW2-KOR)
M89	20-10	0953	6872	Tue	i.p.	CW	(JPL)
M89	20-10	0956	9251	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1010	9544	Tue	Y3JI DE N6WX	CW	(JPL)
M89	20-10	1010	10931	Tue	Y3JI DE N6WX	CW	(JPL)

M89	20-10	1022	9200	Tue	i.p. Both stns on this freq	CW	(JPL)
M89	20-10	1040	7533	Tue	i.p. DE 3RKK Other stns on another freq	CW	(JPL)
M89	20-10	1054	6701	Tue	i.p. DE AA8V)	CW	(JPL)
M89	20-10	1101	6495	Tue	i.p. NR 234 CK 91 84 1020 1840 RMKS 5317 TO 3777 K	CW	(JPL)
M89	20-10	1124	5672	Tue	Y3JI DE N6WX M	CW	(JPL)
M89	20-10	1128	5287	Tue	i.p.	CW	(JPL)
M89	20-10	1130	5248	Tue	i.p. = C.80/MBYJ AR QSY 83 QSY 83 VVV	CW	(JPL)
M89	20-10	1133	5220	Tue	i.p. Other stn on another freq	CW	(JPL)
M89	20-10	1135	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	20-10	1135	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	20-10	1150	4604	Tue	i.p.	CW	(JPL)
M89	20-10	1205	4156	Tue	i.p. NR 40 CK 203 35 1020 1523 =	CW	(JPL)
M89	20-10	1207	3611	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1207	4522	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1207	5419	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1210	3410	Tue	i.p. RMKS 4358 TO 4333 =)	CW	(JPL)
M89	20-10	1216	4527	Tue	i.p. RMKS 6576 TO 6538 =)	CW	(JPL)
M89	20-10	1218	4599	Tue	i.p. Other stn on another freq	CW	(JPL)
M89	20-10	1218	4681	Tue	i.p.	CW	(JPL)
M89	20-10	1225	4806	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	20-10	1225	4836	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	20-10	1230	4911	Tue	i.p. ╔ ╔ ╔ NR 3318/EX 2025 RMKS 8390 TO 8240 = L2P4/U4Y5 AR K	CW	(JPL)
M89	20-10	1233	5128	Tue	i.p. ╔ NR 1268 /EX 2031 RMKS 4408 TO 4403 = DQ8/LM8 AR K. NR 2447 CK 64 97 1020 RMKS 4403 TO 4408 =	CW	(JPL)
M89	20-10	1535	3611	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1535	4522	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1535	5419	Tue	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	20-10	1554	4806	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	20-10	1554	4836	Tue	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	20-10	1620	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	20-10	1620	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	21-10	2024	3238	Wed	D6AN D6AN D6AN" eom 2030	CW	(SW2-KOR)
M89	21-10	2024	3611	Wed	TG1Y TG1Y TG1Y DE X9FW X9FW V"	CW	(SW2-KOR)
M89	21-10	2024	4523	Wed	TG1Y TG1Y TG1Y DE X9FW X9FW V	CW	(SW2-KOR)
M89	21-10	2024	4652.5	Wed	AS SK M = ABCDEFG...	CW	(SW2-KOR)
M89	21-10	2024	4860	Wed	V V V Q2M Q2M Q2M DE NYZ NYZ NYZ	CW	(SW2-KOR)
M89	21-10	2024	5419	Wed	TG1Y TG1Y TG1Y DE X9FW X9FW V	CW	(SW2-KOR)
M89	22-10	1357	4847	Thu	i.p. OCTS2 DE FKJ3 FKJ3 K MA JAI2 JAI2 DE CC6K CC6K QSA2 QSA2 K R QSA2 HR HR ?	CW	(VSh)
M89	23-10	0540	8028	Fri	i.p. O35N T763 D7UD NT5A TAT3 55U6 65NA TTTD TAAN 4DTU ...	CW	(VSh)
M89	23-10	0540	8062	Fri	i.p. 1300 RMKS 4386 TO 4666 = 0766 D634 0N76 5UA6 500U 760A D45N 6N00 A007 0U67 ...	CW	(VSh)

M89	23-10	1100	3611	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-10	1100	4522	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-10	1100	5419	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-10	1100	9251	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-10	1108	6701	Fri	V HJRA (x1) KU4A (x3) DE AA8V i.p.	CW	(JPL)
M89	23-10	1108	7911	Fri	V HJRA (x1) KU4A (x3) DE AA8V i.p.	CW	(JPL)
M89	23-10	1115	6821	Fri	i.p. Other stn on another freq	CW	(JPL)
M89	23-10	1605	4393	Fri	i.p. Both stns on this freq ╦╦ NR 734/EX 0001 RMKS 7689 TO 7624 = A2C3/KMY K. ╦ NR 734/EX 0003 RMKS 7624 TO 7689 = A2C3/KMY K	CW	(JPL)
M89	23-10	1617	4806	Fri	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	23-10	1617	4836	Fri	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	24-10	1708	4522	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-10	1708	5419	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-10	1709	3611	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-10	1720	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	24-10	1720	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	24-10	1726	4652.5	Sat	i.p. ABCDEFGHIJKLMNOPQRSTUVZYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	24-10	1730	4806	Sat	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	24-10	1730	4836	Sat	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	25-10	1020	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-10	1020	8290	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-10	1028	9251	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	25-10	1028	13362	Sun	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	25-10	1043	7911	Sun	i.p. DE AA8V)	CW	(JPL)
M89	25-10	1048	6701	Sun	i.p. DE AA8V)	CW	(JPL)
M89	25-10	1051	6521	Sun	(In tfc)	CW	(JPL)
M89	25-10	1111	4612	Sun	(In tfc) M89 (Remote tuner Taiwan) JPL SUN	CW	(JPL)
M89	25-10	1112	4443	Sun	i.p. ╔ ╔ NR 97/EX 1916 RMKS CQ = SJX5/X9O4 AR	CW	(JPL)
M89	25-10	1120	4860	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-10	1120	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-10	1130	4537	Sun	╔ ╔ ╔ NR 034/EX 1912 RMKS 7658 TO 7940 = A3D5/XB42 AR ╔ ╔ ╔ NR 035/EX 1921 RMKS 7940 TO 7658 = F4B5/C8G4 AR (both stations on this freq)	CW	(JPL)
M89	25-10	1213	5222	Sun	i.p. Both stns on this freq)	CW	(JPL)
M89	25-10	1216	4806	Sun	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	25-10	1216	4836	Sun	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	25-10	1219	4652.5	Sun	i.p. ABCDEFGHIJKLMNOPQRSTUVZYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	25-10	1220	4860	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-10	1220	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1116	9251	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-10	1120	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1120	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1126	6701	Sat	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)

M89	31-10	1435	3611	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-10	1435	3882	Sat	i.p. RMKS 2555 TO 2355 =	CW	(JPL)
M89	31-10	1435	5419	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-10	1450	4442	Sat	i.p.	CW	(JPL)
M89	31-10	1454	4652.5	Sat	i.p. ABCDEFGHIJKLMNOPQRSTUVZYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	31-10	1458	4836	Sat	V HJRA (x1) KU4A (x3) DE AA8V	CW	(JPL)
M89	31-10	1503	4922	Sat	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	31-10	1520	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1520	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1720	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	31-10	1720	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M95	2-10	1005	6557	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	2-10	1005	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	2-10	1139	6876	Fri	BNGC DE XS30 NR 0843 CK 308 35 1002 1610 = //4542 kHz	CW	(JPL)
M95	2-10	1149	6352	Fri	NR 055 CK 36 35 1002 1441 = NR 04 CK 168 35 1002 1534 = //9042, 6876, 4156 kHz	CW	(JPL)
M95	3-10	1203	6620	Sat	i.p.	CW	(JPL)
M95	3-10	1208	6557	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	3-10	1218	6352	Sat	NR 024 CK 28 35 1003 1644 = //9042, 6876, 4156 kHz	CW	(JPL)
M95	3-10	2032	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	3-10	2032	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-10	0900	11475	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-10	0918	9392	Sun	BNEC DE XS24 NR 895 CK 160 35 1004 1542 //9392, 6516, 4225 kHz	CW	(JPL)
M95	4-10	0934	8207	Sun	i.p. NR 080/CCK CK 39 .. 1004 .... RMKS ..34 TO 6630 =	CW	(JPL)
M95	4-10	1009	6557	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	6-10	1030	6557	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	6-10	1030	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1115	6557	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1115	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1141	4542	Fri	BNGC DE XS30 NR 0868 CK 235 35 1009 1612 = // 4542, 6876 kHz	CW	(JPL)
M95	9-10	1143	6352	Fri	NR 069 CK 27 35 1009 1439 = NR 18 CK 101 35 1009 1536 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	9-10	1144	6352	Fri	NR 075 CK 26 35 1012 1442 = NR 24 CK 240 35 1012 1531 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	9-10	1518	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1518	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-10	1040	6557	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-10	1605	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-10	1605	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-10	1050	6557	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-10	1050	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-10	1432	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)

M95	14-10	0952	6557	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-10	0952	11475	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-10	1640	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-10	1640	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-10	0959	6557	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-10	0959	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-10	1044	7376	Tue	NR 150/CCK CK 49 44 1020 1843 RMKS 5015 TO 5368 =	CW	(JPL)
M95	20-10	1532	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	20-10	1532	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1104	6557	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1104	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1110	6696	Fri	i.p. NR 3256/EX 1909 = G3HO/J8K5 = QSY 69 QSY 69 VVV	CW	(JPL)
M95	23-10	1120	6389	Fri	i.p. NR 068/CCK CK 91 24 1023 1900 RMKS SYS2 TO KKY. K	CW	(JPL)
M95	23-10	1124	5672	Fri	i.p. NR .../CCK CK ..121 10 2319 05 RMKS 1715 TO 1737 1834 1.99 K	CW	(JPL)
M95	23-10	1515	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1515	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1621	5007	Fri	i.p.	CW	(JPL)
M95	23-10	1624	5132	Fri	i.p. NR 009/CCK CK 91 03 1025 0000 RMKS 4273 TO 4252 TO 4258 TO 4250 TO 3633 TO 4256 TO 4295 TO 4299 TO 4253 TO 4290 TO 4251 TO 4254 TO 4255 TO 4257 TO 4273 =	CW	(JPL)
M95	24-10	1712	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	24-10	1712	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-10	1035	6557	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-10	1035	11475	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-10	1141	6876	Sun	BNGC DE XS30 NR ..90 CK 4.. 35 1025 1612 = //4542 kHz	CW	(JPL)
M95	25-10	1150	6352	Sun	NR 098 CK 15 35 1025 1521 = NR 002 CK 49 35 1025 1625 = NR 50 CK 151 35 1025 1711 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	25-10	1208	5555	Sun	i.p. NR 001/CCK CK 141 24 025 2005 RMKS 7652 TO SS4A K (Both stns on this freq)	CW	(JPL)
M95	31-10	1112	6557	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-10	1112	11475	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-10	1143	6876	Sat	BNGC DE XS30 //4542 kHz	CW	(JPL)
M95	31-10	1151	6352	Sat	NR 014 CK 70 35 1031 1523 = NR 62 CK 214 35 1031 1549 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	31-10	1445	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-10	1445	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
MC03	10-10	1501	4182	Sat	Coded traffic	CW	(VSh/Nept)
MC03	10-10	1503	4197	Sat	MC03 with technical problems	CW	(VSh/Nept)
MC03	11-10	0645	7417	Sun	Coded traffic	CW	(VSh/Nept)
MC03	22-10	1342	5640	Thu	MC03 with technical problems	CW	(VSh/Nept)
MC03	25-10	0858	8253	Sun	Coded traffic	CW	(VSh/Nept)
MC03	25-10	1226	4652	Sun	Coded traffic	CW	(VSh/Nept)

MC03	30-10	1013	8192	Fri	MC03 with technical problems	CW	(VSh/Nept)
P03	1-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	1-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	2-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	2-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	2-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	2-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	2-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	2-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	3-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	3-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	3-10	1245	6940	Sat	Polish intel.	PSK	(TM)
P03	3-10	1250	6940	Sat	Polish intel.	PSK	(TM)
P03	4-10	0530	8800	Sun	Polish intel.	PSK	(TM)
P03	4-10	0535	8800	Sun	Polish intel.	PSK	(TM)
P03	4-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	4-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	4-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	4-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	4-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	4-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	4-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	4-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	4-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	4-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	4-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	4-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	4-10	1950	7931	Sun	Polish intel.	PSK	(AB)
P03	4-10	1955	7931	Sun	Polish intel.	PSK	(AB)
P03	5-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	5-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	6-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	6-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	6-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	6-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	6-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	6-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	7-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	7-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	7-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	7-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	8-10	1950	7391	Thu	Polish intel.	PSK	(AB)

P03	8-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	9-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	9-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	9-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	9-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	9-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	9-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	9-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	9-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	10-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	10-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	10-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	10-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	10-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	10-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	11-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	11-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	11-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	11-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	11-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	11-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	11-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	11-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	11-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	11-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	11-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	11-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	11-10	1950	7931	Sun	Polish intel.	PSK	(AB)
P03	11-10	1955	7931	Sun	Polish intel.	PSK	(AB)
P03	12-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	12-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	13-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	13-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	13-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	13-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	13-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	13-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	14-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	14-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	14-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	14-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	15-10	1950	7391	Thu	Polish intel.	PSK	(AB)

P03	15-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	16-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	16-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	16-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	16-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	16-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	16-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	16-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	16-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	17-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	17-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	17-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	17-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	17-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	17-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	18-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	18-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	18-10	1020	6280	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1025	6280	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1100	7637	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1105	7637	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1220	19515	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1225	19515	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1245	6940	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1250	6940	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1515	18030	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1520	18030	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1725	11420	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1730	11420	Sun	Polish intel.	PSK	(AB/GR2)
P03	18-10	1950	7931	Sun	Polish intel.	PSK	(AB)
P03	18-10	1955	7931	Sun	Polish intel.	PSK	(AB)
P03	19-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	19-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	20-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	20-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	20-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	20-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	20-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	20-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	21-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	21-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	21-10	1310	7637	Wed	Polish intel.	PSK	(AB)

P03	21-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	22-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	22-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	23-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	23-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	23-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	23-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	23-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	23-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	23-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	23-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	24-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	24-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	24-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	24-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	24-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	24-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	25-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	25-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	25-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	25-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	25-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	25-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	25-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	25-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	25-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	25-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	25-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	25-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	25-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	25-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	25-10	1950	7931	Sun	Polish intel.	PSK	(AB)
P03	25-10	1955	7931	Sun	Polish intel.	PSK	(AB)
P03	26-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	26-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	27-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	27-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	27-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	27-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	27-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	27-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	28-10	1100	11581	Wed	Polish intel.	PSK	(AB)

P03	28-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	28-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	28-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	29-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	29-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	30-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	30-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	30-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	30-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	30-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	30-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	30-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	30-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	31-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	31-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	31-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	31-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	31-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	31-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03g	1-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	1-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	1-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	6-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	6-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	8-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)

P03i	8-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	13-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	13-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	20-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	20-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	27-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	27-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03k	3-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	3-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	3-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	3-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	4-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	4-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	6-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	6-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	7-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	13-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(TM)
P03k	14-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/GR2)

P03k	17-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/GR2)
P03k	18-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/GR2)
P03k	18-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/GR2)
P03k	20-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	15-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-10	1345	9960	Fri	Not heard	QPSK 100Bd/464bp	(AB)
P03I	16-10	1350	9960	Fri	Not heard	QPSK 100Bd/464bp	(AB)
P03I	19-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	4-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	14-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	18-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	18-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	18-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	18-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	18-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/GR2)
P07	21-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	2-10	1131	6876	Fri	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-10	1142	6352	Fri	Message //9042, 6876, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-10	1157	6654.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-10	1252	3692.15	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	9-10	1131	4542	Fri	Message // 4542, 6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	9-10	1141	6352	Fri	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	9-10	1144	6352	Fri	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-10	1516	13591	Sat	PXAG PXAG PXAG DE R5NI R5NI R5NI XYXYXYXYXYXY HR CCK / (repeated)	4+4 QPSK 75/1000 LSB	(VSh)
Q26	12-10	1110	6248.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-10	1115	5756.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-10	1144	6352	Mon	NR24 240 35 1012 1531 -- 202 012 326 314 702 701 707 331 336 759 ... AHR MSG GA	4+4 QPSK 75/1000 LSB	(VSh)
Q26	12-10	1215	5565.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-10	1127	6427.25	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-10	1515	6251.25	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-10	1019	7680.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-10	1310	6521.25	Wed	SK0S SK0S SK0S DE K10X K10X K10X XYXYXYXYXY HR MSG GA 255=CCK 192 24	4+4 QPSK 75/1000 LSB	(JPL)

					11WEQI 4BHK---AH7X 1768 0578 2939 ...		
Q26	20-10	1106	5756.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	20-10	1142	4619.25	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-10	1047	6424	Fri	3675 2814 2506 3491 8013 4792 5726 9810 8073 9645 QSL? QSL? QSL? QSL?	4+4 QPSK 75/1000 LSB	(VSh)
Q26	23-10	1124	5756.75	Fri	Message i.p.	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-10	1518	4378.10	Fri	Message i.p.	4+4 QPSK 75/1000 LSB	(JPL)
Q26	25-10	1135	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	25-10	1145	6352	Sun	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	25-10	1203	5754.25	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	31-10	1132	6876	Sat	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	31-10	1148	6352	Sat	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	31-10	1742	3589.25	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26 4+4	30-10	1125	6424	Fri	XYXYXYXYXY HR TRY LL 7684 9479 8412 ... 4789 7836 0541 QSL?W XYXYXYXYXY HR TRY LL	QPSK 75/1000 LSB	(VSh)
Q26 4+4	31-10	0903	6516	Sat	MSG AGN NR987 CK126 35 1031 1529 -- 535 203 031 326 ... AHR MSG GA NR988 CK203 35 1031 1529 -- 535 203 031 326 ...	QPSK 75/1000 LSB	(Nept)
RPtP	17-10	2000	5921	Sat	YIKFUJ RTHZLIHCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPVCAUJ RTHZLQPCAUJ RTHZLQPKFUJ RTHZLQPVCAUJ R 3/SGJCKZ (repeated)	FSK 50/500	(AB)
S06	1-10	0400	11616	Thu	480 321 40 92952 52587 61569 ... 49758 77183 49248 321 40 480 967 15 64737 41302 08616 ... 39123 21050 89884 967 15 00000	USB	(Subilo)
S06	1-10	0420	9322	Thu	480 321 40 92952 52587 61569 ... 49758 77183 49248 321 40 480 967 15 64737 41302 08616 ... 39123 21050 89884 967 15 00000	USB	(Subilo)
S06	2-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	2-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	5-10	0400	11616	Mon	480 251 60 70072 76855 62551 ... 97556 03008 77410 251 60 00000	USB	(Subilo)
S06	5-10	0420	9322	Mon	480 251 60 70072 76855 62551 ... 97556 03008 77410 251 60 00000	USB	(Subilo)
S06	6-10	0400	11616	Tue	480 251 60 70072 76855 62551 ... 97556 03008 77410 251 60 00000	USB	(Subilo)
S06	6-10	0420	9322	Tue	480 251 60 70072 76855 62551 ... 97556 03008 77410 251 60 00000	USB	(Subilo)
S06	7-10	0400	11616	Wed	480 132 40 68855 00189 89763 ... 02134 33534 05042 132 40 480 293 15 17180 30214 74674 ... 28724 12309 97924 233 15 00000	USB	(Subilo)
S06	7-10	0420	9322	Wed	480 132 40 68855 00189 89763 ... 02134 33534 05042 132 40 480 293 15 17180 30214 74674 ... 28724 12309 97924 233 15 00000	USB	(Subilo)
S06	8-10	0400	11616	Thu	480 132 40 68855 00189 89763 ... 02134 33534 05042 132 40 480 293 15 17180 30214 74674 ... 28724 12309 97924 233 15 00000	USB	(Subilo)
S06	8-10	0420	9322	Thu	480 132 40 68855 00189 89763 ... 02134 33534 05042 132 40 480 293 15 17180 30214 74674 ... 28724 12309 97924 233 15 00000	USB	(Subilo)
S06	9-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	9-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	12-10	0400	11616	Mon	480 567 52 01553 77406 92034 ... 06073 12505 49781 567 52 00000	USB	(Subilo)
S06	12-10	0420	9322	Mon	480 567 52 01553 77406 92034 ... 06073 12505 49781 567 52 00000	USB	(Subilo)

S06	13-10	0400	11616	Tue	480 567 52 01553 77406 92034 ... 06073 12505 49781 567 52 00000	USB	(Subilo)
S06	13-10	0420	9322	Tue	480 567 52 01553 77406 92034 ... 06073 12505 49781 567 52 00000	USB	(Subilo)
S06	14-10	0400	11616	Wed	480 675 31 34839 02789 41477 ... 25896 22689 82897 675 31 480 931 28 23864 04878 70716 ... 39644 47828 30825 931 28 00000	USB	(Subilo)
S06	14-10	0420	9322	Wed	480 675 31 34839 02789 41477 ... 25896 22689 82897 675 31 480 931 28 23864 04878 70716 ... 39644 47828 30825 931 28 00000	USB	(Subilo)
S06	15-10	0400	11616	Thu	480 675 31 34839 02789 41477 ... 25896 22689 82897 675 31 480 931 28 23864 04878 70716 ... 39644 47828 30825 931 28 00000	USB	(Subilo)
S06	15-10	0420	9322	Thu	480 675 31 34839 02789 41477 ... 25896 22689 82897 675 31 480 931 28 23864 04878 70716 ... 39644 47828 30825 931 28 00000	USB	(Subilo)
S06	16-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	16-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	19-10	0400	11616	Mon	480 219 52 17504 89313 72050 ... 45340 21872 82217 219 52 00000	USB	(Subilo)
S06	19-10	0420	9322	Mon	480 219 52 17504 89313 72050 ... 45340 21872 82217 219 52 00000	USB	(Subilo)
S06	20-10	0400	11616	Tue	480 219 52 17504 89313 72050 ... 45340 21872 82217 219 52 00000	USB	(Subilo)
S06	20-10	0420	9322	Tue	480 219 52 17504 89313 72050 ... 45340 21872 82217 219 52 00000	USB	(Subilo)
S06	21-10	0400	11616	Wed	480 367 25 59205 87590 14809 ... 94453 93484 46109 367 25 480 592 30 89641 32364 28922 ... 22946 23899 15645 592 30 00000	USB	(Subilo)
S06	21-10	0420	9322	Wed	480 367 25 59205 87590 14809 ... 94453 93484 46109 367 25 480 592 30 89641 32364 28922 ... 22946 23899 15645 592 30 00000	USB	(Subilo)
S06	22-10	0400	11616	Thu	480 367 25 59205 87590 14809 ... 94453 93484 46109 367 25 480 592 30 89641 32364 28922 ... 22946 23899 15645 592 30 00000	USB	(Subilo)
S06	22-10	0420	9322	Thu	480 367 25 59205 87590 14809 ... 94453 93484 46109 367 25 480 592 30 89641 32364 28922 ... 22946 23899 15645 592 30 00000	USB	(Subilo)
S06	23-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	23-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	25-10	1456	10755	Sun	975 (R), test tones	USB	(PY)
S06	25-10	1511	10755	Sun	975 (R), dashes, test tones	USB	(PY)
S06	26-10	0400	11616	Mon	480 361 52 07941 08159 64568 ... 31959 64693 29288 361 52 00000	USB	(Subilo)
S06	26-10	0420	9322	Mon	480 361 52 07941 08159 64568 ... 31959 64693 29288 361 52 00000	USB	(Subilo)
S06	27-10	0400	11616	Tue	480 361 52 07941 08159 64568 ... 31959 64693 29288 361 52 00000	USB	(Subilo)
S06	27-10	0420	9322	Tue	480 361 52 07941 08159 64568 ... 31959 64693 29288 361 52 00000	USB	(Subilo)
S06	28-10	0400	11616	Wed	480 729 31 74123 90462 79278 ... 52499 56716 00678 729 31 480 163 24 69595 37905 61724 ... 51373 14380 18767 163 24 00000	USB	(Subilo)
S06	28-10	0420	9322	Wed	480 729 31 74123 90462 79278 ... 52499 56716 00678 729 31 480 163 24 69595 37905 61724 ... 51373 14380 18767 163 24 00000	USB	(Subilo)
S06	29-10	0400	11616	Thu	480 729 31 74123 90462 79278 ... 52499 56716 00678 729 31 480 163 24 69595 37905 61724 ... 51373 14380 18767 163 24 00000	USB	(Subilo)
S06	29-10	0420	9322	Thu	480 729 31 74123 90462 79278 ... 52499 56716 00678 729 31 480 163 24 69595 37905 61724 ... 51373 14380 18767 163 24 00000	USB	(Subilo)
S06	30-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	30-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)

S11a	1-10	0445	10728	Thu	796/00 Konets	USB	(AB/Subilo)
S11a	1-10	0700	8597	Thu	472/00 Konets	USB	(AB/Lac/Subilo)
S11a	2-10	0735	19606	Fri	389/00 Konets	USB	(AB)
S11a	2-10	1040	6480	Fri	487/00 Konets	USB	(AB/Lac/Subilo)
S11a	2-10	1400	11420	Fri	429/00 Konets	USB	(AB)
S11a	3-10	0830	6433	Sat	372/00 Konets	USB	(AB/Subilo)
S11a	3-10	1850	10213	Sat	285/00 Konets	USB	(TM/Subilo)
S11a	4-10	0830	6433	Sun	378/00 Konets	USB	(TM/Subilo)
S11a	5-10	0510	23004	Mon	652/00 Konets	USB	(Subilo)
S11a	5-10	0700	8597	Mon	479/00 Konets	USB	(AB/Lac/Subilo)
S11a	5-10	0915	6480	Mon	487/00 Konets	USB	(AB/Lac/Subilo)
S11a	6-10	0445	10728	Tue	798/00 Konets	USB	(AB/Subilo)
S11a	6-10	1400	11420	Tue	420/00 Konets	USB	(AB/Subilo)
S11a	7-10	0510	23004	Wed	654/00 Konets	USB	(Subilo)
S11a	7-10	0735	19606	Wed	385/36 Vnimaniye 50211 38282 84176 ... 23163 93127 03108 Vnimaniye (message repeated) Konets	USB	(AB-POL)
S11a	7-10	1850	10213	Wed	285/31 Vnimaniye 38617 15624 53214 ... 44789 64036 87869 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	8-10	0445	10728	Thu	796/00 Konets	USB	(AB/Subilo)
S11a	8-10	0700	8597	Thu	470/00 Konets	USB	(AB/Subilo)
S11a	9-10	0735	19606	Fri	385/36 Vnimaniye 50211 38282 84176 ... 23163 93127 03108 Vnimaniye (message repeated) Konets	USB	(AB-POL)
S11a	9-10	1040	6480	Fri	482/00 Konets	USB	(AB/Subilo)
S11a	9-10	1400	11420	Fri	429/00 Konets	USB	(AB)
S11a	10-10	0830	6433	Sat	377/00 Konets	USB	(AB/Lac/Subilo)
S11a	10-10	1850	10213	Sat	282/31 Vnimaniye 98350 97235 70616 ... 40034 58574 30361 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	11-10	0830	6433	Sun	371/00 Konets	USB	(AB/Subilo)
S11a	12-10	0510	23004	Mon	650/00 Konets	USB	(Subilo)
S11a	12-10	0700	8597	Mon	470/00 Konets	USB	(AB/Lac/Subilo)
S11a	12-10	0915	6480	Mon	484/00 Konets	USB	(AB/Lac/Subilo)
S11a	13-10	0445	10728	Tue	798/00 Konets	USB	(AB/Subilo)
S11a	13-10	1400	11420	Tue	420/37 Vnimaniye 34612 63684 15904 ... 20241 88453 87234 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	14-10	0510	23004	Wed	654/00 Konets	USB	(AB/Subilo)
S11a	14-10	0735	19606	Wed	383/00 Konets	USB	(AB-POL)
S11a	14-10	1850	10213	Wed	285/00 Konets	USB	(AB/Subilo)
S11a	15-10	0445	10728	Thu	798/00 Konets	USB	(AB/Subilo)
S11a	15-10	0700	8597	Thu	475/00 Konets	USB	(AB/Subilo)
S11a	16-10	0735	19606	Fri	387/00 Konets	USB	(AB-POL)
S11a	16-10	1040	6480	Fri	485/00 Konets	USB	(AB/Subilo)
S11a	16-10	1400	11420	Fri	420/37 Vnimaniye 34612 63684 15904 ... 20241 88453 87234 Vnimaniye	USB	(AB)

					(message repeated) Konets		
S11a	17-10	0830	6433	Sat	370/00 Konets	USB	(AB/Subilo)
S11a	17-10	1850	10213	Sat	288/00 Konets	USB	(AB/GR2/Subilo)
S11a	18-10	0830	6433	Sun	377/00 Konets	USB	(AB/Subilo)
S11a	19-10	0510	23004	Mon	650/00 Konets	USB	(AB/Subilo)
S11a	19-10	0700	8597	Mon	470/39 Vnimaniye 33684 73561 26579 ... 96798 60097 41501 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	19-10	0915	6480	Mon	483/38 Vnimaniye 18405 60029 83607 ... 77522 68475 54282 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	20-10	0445	10728	Tue	799/40 Vnimaniye 37493 66236 60604 ... 11506 86416 96765 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	20-10	1400	11420	Tue	426/00 Konets	USB	(AB/Subilo)
S11a	21-10	0510	23004	Wed	655/00 Konets	USB	(AB-POL)
S11a	21-10	0735	19606	Wed	383/00 Konets	USB	(AB-POL)
S11a	21-10	1850	10213	Wed	288/00 Konets	USB	(AB/Subilo)
S11a	22-10	0445	10728	Thu	799/40 Vnimaniye 37493 66236 60604 ... 11506 86416 96765 Vnimaniye (message repeated) Konets	USB	(AB)
S11a	22-10	0700	8597	Thu	470/39 Vnimaniye 33684 73561 26579 ... 96798 60097 41501 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	23-10	0735	19606	Fri	382/00 Konets	USB	(AB-POL)
S11a	23-10	0830	06433	Fri	424/00 Konets	USB	(Subilo)
S11a	23-10	1040	6480	Fri	483/38 Vnimaniye 18405 60029 83607 ... 77522 68475 54282 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	23-10	1400	11420	Fri	424/00 Konets	USB	(AB)
S11a	24-10	0830	6433	Sat	373/00 Konets	USB	(AB/Subilo)
S11a	24-10	1850	10213	Sat	281/00 Konets	USB	(AB/Subilo)
S11a	25-10	0830	6433	Sun	370/00 Konets	USB	(AB/Subilo)
S11a	26-10	0510	23004	Mon	651/34 Vnimaniye 41722 66854 ... 92697 31802 14447 Vnimaniye (message repeated) konets	USB	(Subilo)
S11a	26-10	0700	8597	Mon	470/00 Konets	USB	(AB/Subilo)
S11a	26-10	0915	6480	Mon	484/00 Konets	USB	(AB/Subilo)
S11a	27-10	0445	10728	Tue	798/00 Konets	USB	(Subilo)
S11a	27-10	1400	11420	Tue	422/00 Konets	USB	(AB/Subilo)
S11a	28-10	0510	23004	Wed	651/34 Vnimaniye 41722 66854 ... 92697 31802 14447 Vnimaniye (message repeated) konets	USB	(Subilo)
S11a	28-10	0735	19606	Wed	389/00 Konets	USB	(AB-POL)
S11a	28-10	1850	10213	Wed	282/00 Konets	USB	(AB/Subilo)
S11a	29-10	0445	10728	Thu	790/00 Konets	USB	(AB/Subilo)
S11a	29-10	0700	8597	Thu	472/00 Konets	USB	(AB/Subilo)
S11a	30-10	0735	19606	Fri	385/00 Konets	USB	(AB)
S11a	30-10	0830	06433	Fri	420/00 Konets	USB	(AB/Subilo)
S11a	30-10	1040	6480	Fri	480/00 Konets	USB	(AB)

S11a	30-10	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	31-10	0830	6433	Sat	379/40 Vnimaniye 61933 37559 25425 ... 51678 18296 00701 55086 Vnimaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	31-10	1850	10213	Sat	288/00 Konets	USB	(AB)
UM04	1-10	0701	4735	Thu	VVV VVV PROMRCh = 01 10 = 1000 0740 0780 0920 1030 ... 0800 0610 0650 0780 1150 = AR	CW	(AB-HNG)
UM04	2-10	0700	4735	Fri	VVV VVV PROMRCh = 02 10 = 1000 0640 0780 0920 1330 ... 0800 0610 0650 0780 1140 = AR	CW	(Subilo)
UM04	3-10	0700	4735	Sat	VVV VVV PROMRCh = 03 10 = 1000 0740 0780 0920 1330 ... 0800 0610 0650 0780 1150 = AR	CW	(AB-HNG)
UM04	4-10	0700	4735	Sun	VVV VVV PROMRCh = 04 10 = 1000 0740 0780 0930 1340 ... 0800 0600 0650 0780 1150 = AR	CW	(Subilo)
UM04	5-10	0700	4735	Mon	VVV VVV PROMRCh = 05 10 = 1000 0740 0780 0920 1340 ... 0800 0600 0640 0780 1150 = AR	CW	(AB-HNG)
UM04	6-10	0701	4735	Tue	VVV VVV PROMRCh = 06 10 = 1000 0730 0780 0930 1340 ... 0800 0590 0640 0770 1150 = AR	CW	(AB-HNG)
UM04	7-10	0701	4735	Wed	VVV VVV PROMRCh = 07 10 = 1000 0730 0780 0920 1350 ... 0800 0590 0640 0770 1050 = AR	CW	(AB-HNG)
UM04	8-10	0702	4735	Thu	VVV VVV PROMRCh = 08 10 = 1000 0730 0680 0830 1350 ... 0800 0590 0640 0770 1150 = AR	CW	(AB-HNG)
UM04	9-10	0700	4735	Fri	VVV VVV PROMRCh = 09 10 = 1000 0730 0780 0930 1350 ... 0800 0590 0630 0770 1150 = AR	CW	(AB-HNG)
UM04	10-10	0700	4735	Sat	VVV VVV PROMRCh = 10 10 = 1000 0730 0780 0930 1360 ... 0800 0590 0630 0780 1160 = AR	CW	(AB-HNG)
UM04	11-10	0700	4735	Sun	VVV VVV PROMRCh = 11 10 = 1000 0740 0790 0940 1380 ... 0800 0590 0640 0780 1160 = AR	CW	(AB-HNG)
UM04	12-10	0700	4735	Mon	VVV VVV PROMRCh = 12 10 = 1000 0750 0790 0950 1380 ... 0800 0590 0640 0780 1170 = AR	CW	(AB-HNG)
UM04	13-10	0701	4735	Tue	VVV VVV PROMRCh = 13 10 = 1000 0750 0800 0950 1390 ... 0800 0600 0640 0790 1180 = AR	CW	(AB-HNG)
UM04	15-10	0700	4735	Thu	VVV VVV PROMRCh = 15 10 = 1000 0760 0810 0970 1410 ... 0800 0600 0650 0800 1200 = AR	CW	(AB-HNG)
UM04	16-10	0700	4735	Fri	VVV VVV PROMRCh = 16 10 = 1000 0760 0810 0970 1420 ... 0800 0610 0650 0810 1450 = AR	CW	(AB-HNG)
UM04	17-10	0700	4735	Sat	VVV VVV PROMRCh = 17 10 = 1000 0770 0820 0980 1430 ... 0800 0610 0960 0810 1220 = AR	CW	(Subilo)
UM04	18-10	0700	4735	Sun	VVV VVV PROMRCh = 18 10 = 1000 0780 0830 0990 1450 ... 0800 0620 0670 0820 1230 = AR	CW	(AB-HNG)
UM04	19-10	0700	4735	Mon	VVV VVV PROMRCh = 19 10 = 1000 0780 0830 0990 1460 ... 0800 0620 0670 0830 1240 = AR	CW	(AB-HNG)
UM04	20-10	0701	4735	Tue	VVV VVV PROMRCh = 20 10 = 1000 0790 0840 1010 1480 ... 0800 0630 0680 0840 1260 = AR	CW	(AB-HNG)
UM04	21-10	0702	4735	Wed	VVV VVV PROMRCh = 21 10 = 1000 0800 0850 1010 1480 ... 0800 0640 0690	CW	(AB-HNG)

					0850 1260 = AR		
UM04	22-10	0700	4735	Thu	VVV VVV PROMRCh = 22 10 = 1000 0800 0850 1020 1490 ... 0800 0640 0690 0850 1270 = AR	CW	(AB-HNG)
UM04	23-10	0700	4735	Fri	VVV VVV PROMRCh = 23 10 = 1000 0800 0650 1020 1490 ... 0800 0640 0690 0850 1270 = AR	CW	(Subilo)
UM04	24-10	0700	4735	Sat	VVV VVV PROMRCh = 24 10 = 1000 0810 0860 1030 1500 ... 0800 0650 0700 0850 1270 = AR	CW	(AB)
UM04	25-10	0800	4735	Sun	VVV VVV PROMRCh = 25 10 = 1000 0820 0670 1030 1500 ... 0800 0650 0700 0860 1270 = AR	CW	(AB-HNG)
UM04	26-10	0700	4735	Mon	VVV VVV PROMRCh = 26 10 = 1000 0820 08£0 1030 1500 ... 0800 0650 0700 0850 1270 = AR	CW	(Subilo)
UM04	27-10	0800	4735	Tue	VVV VVV PROMRCh = 27 10 = 1000 0820 0870 1030 1270 ... 0800 0650 0700 0850 1270 = AR	CW	(AB-HNG)
UM04	28-10	0802	4735	Wed	VVV VVV PROMRCh = 28 10 = 1000 0820 0870 1040 1500 ... 0800 0650 0700 0850 1270 = AR	CW	(AB-HNG)
UM04	29-10	0700	4735	Thu	VVV VVV PROMRCh = 29 10 = 1000 0610 0550 1030 1500 ... 0800 0640 0690 0340 1260 = AR	CW	(Subilo)
UM04	30-10	0800	4735	Fri	VVV VVV PROMRCh = 30 10 = 1000 0830 0860 1030 1260 ... 0800 0640 0690 0840 0610 = AR	CW	(AB-GRC)
UM04	31-10	0700	4735	Sat	VVV VVV PROMRCh = 31 10 = 1000 0810 0850 1020 1490 ... 0800 0630 0680 0840 1250 = AR	CW	(Subilo)
UM10	2-10	0950	5918	Fri	QUXF (R 10m)	CW	(JPL)
UM10	2-10	0950	6780	Fri	QUXF (R 10m)	CW	(JPL)
UM10	2-10	1350	3257	Fri	SDXL (R 10m)	CW	(JPL)
UM10	2-10	1350	3629	Fri	SDXL (R 10m)	CW	(JPL)
UM10	3-10	1520	3206	Sat	KTR4 (R 10m)	CW	(JPL)
UM10	3-10	1520	3206	Sat	KTR4 (R 10m)	CW	(JPL)
UM10	3-10	1520	3865	Sat	KTR4 (R 10m)	CW	(JPL)
UM10	3-10	2020	3238	Sat	D6AN (R 10m)	CW	(JPL)
UM10	3-10	2050	3238	Sat	D6AN (R 10m)	CW	(JPL)
UM10	3-10	2050	3698	Sat	D6AN (R 10m)	CW	(JPL)
UM10	3-10	2050	3865	Sat	KTR4 (R 10m)	CW	(JPL)
UM10	4-10	0820	5762	Sun	L3AD (R 10m)	CW	(JPL)
UM10	4-10	0850	5762	Sun	L3AD (R 10m)	CW	(JPL)
UM10	4-10	0850	6877	Sun	L3AD (R 10m)	CW	(JPL)
UM10	11-10	1850	3865	Sun	KTR4 (R 10m)	CW	(JPL)
UM10	12-10	1020	3238	Mon	D6AN (R 10m)	CW	(JPL)
UM10	12-10	1020	3698	Mon	D6AN (R 10m)	CW	(JPL)
UM10	21-10	2024	3865	Wed	KTR5 (R)	CW	(SW2-KOR)
USA	19-10	0739	8058.6	Mon	KWT92: Unid US DoS station sounding	MIL-STD-188-141-ALE	(GR2)
USA	19-10	0740	8058.6	Mon	KWT91: US Embassy Berlin clg KWT92: Unid US DoS station	MIL-STD-188-141-ALE	(GR2)
USA	19-10	0810	8058.6	Mon	KWT90: Unid US DoS station sounding	MIL-STD-188-141-ALE	(GR2)

USA	19-10	0811	8058.6	Mon	KWT91: US Embassy Berlin sounding	MIL-STD-188-141-ALE	(GR2)
USA	19-10	0815	8058.6	Mon	KWT??: Unid US DoS station clg KVX50: US Embassy Moscow	MIL-STD-188-141-ALE	(GR2)
USA	28-10	1454	16283.6	Wed	KWK98OS: US Consulate General Merida clg KWK95: US Consulate General Nogales	MIL-STD-188-141-ALE	(N3VLF)
USA	28-10	1942	16283.6	Wed	KWK98OS: US Consulate General Merida off site clg KWK96: US embassy Mexico	MIL-STD-188-141-ALE	(N3VLF)
V06	26-10	1337	10755	Mon	975 (moved to 9220 kHz at 1359x)	USB	(PY)
V07	11-10	0200	18217	Sun	238 238 238 1 5266 125 5266 125 98079 464?2 99097 ... 42215 61974 39295 000 000	USB	(Dan)
V07	18-10	0200	18217	Sun	238 238 238 1 4515 60 4515 60 93552 17504 65030 ... 87784 88957 10573 000 000	USB	(Dan)
V07	25-10	0220	16317	Sun	238 238 238 1 7197 87 7197 87 25668 40754 68718 ... 43457 63191 32535 000 000	USB	(Dan)
V13	13-8	0000	15890	Thu	New Star Broadcasting. Station 3. Messages to units 2662, 6897, 7983	USB	(FSpy)
V13	13-8	0030	18040	Thu	New Star Broadcasting. Station 4. Messages to units 4556, 6334, 8289	USB	(FSpy)
V13	19-8	0000	15890	Wed	New Star Broadcasting. Station 3. Messages to units 4633, 5610, 7205	USB	(FSpy)
V13	19-8	0030	18040	Wed	New Star Broadcasting. Station 4. Messages to units 1295, 5538, 6441	USB	(FSpy)
V13	12-10	1330	11430	Mon	New Star Broadcasting	USB	(AB)
V13	26-10	0000	15890	Mon	New Star Broadcasting. Station 3. Messages to units 0805, 3972, 6137	USB	(FSpy)
V26	2-10	1140	6352	Fri	MS18 voice traffic //9042, 6876, 4156 kHz	USB	(JPL)
V28	1-10	1159	5508	Thu	Parrot. Very faint. The carrier went off at 1204z before coming back around 1206z. It went off for good at 1211z.	AM	(WLTZ)
V28	1-10	1200	3044.9	Thu	Parrot. Off at 1205z	AM	(WLTZ)
V28	1-10	2202	5507.8	Thu	Female operator. Off at 2213z.	AN	(WLTZ)
V28	2-10	1209	5508.5	Fri	Female operator. Off at 1209z. The modulation was stronger than the other lately	AM	(WLTZ)
V28	5-10	2202	3044.5	Mon	Parrot. Very weak	AM	(WLTZ)
V28	6-10	1201	3048	Tue	Parrot	AM	(WLTZ)
V28	6-10	1201	5508.7	Tue	Male operator. Off at 1207z	AM	(WLTZ)
V28	7-10	1157	3048.4	Wed	Female operator. Buzzing sound at 1202z. It stopped at 1204z, then a male operator starts speaking.	AM	(WLTZ)
V28	7-10	1201	5508.5	Wed	Parrot. Off around 1205z.	AM	(WLTZ)
V28	7-10	1204	5508.5	Wed	Female operator	AM	(IDe)
V28	7-10	2200	3043	Wed	Female operator and a male operator at 2208z	AM	(WLTZ)
V28	7-10	2200	5009	Wed	Parrot, off at 2208z.	AM	(WLTZ)
V28	8-10	1200	5507.5	Thu	i.p. Female operator. Off at 1206z The carrier drifted until 1207z when the transmission ended.	AM	(WLTZ)
V28	8-10	2201	3042.7	Thu	Female operator. Off at 2210z	AM	(WLTZ)
V28	10-10	1200	3043.1	Sat	Female operator. Off at 1206z.	AM	(WLTZ)
V28	10-10	2202	5509	Sat	Signal drifted to 5513.6 kHz before sticking around 5513.4kHz for the rest of its time up. Female operato. Off at 2207z.	AM	(WLTZ)
V28	11-10	1200	5509.5	Sun	Female operator. Off at 1208z	AM	(WLTZ)

V28	11-10	1202	3042.9	Sun	Parrot	AM	(WLTZ)
V28	12-10	1200	5510.5	Mon	Female operator. The carrier drifted to 5512 kHz. Off at 1209z	AM	(WLTZ)
V28	12-10	1201	3043	Mon	Parrot. Off at 1204.	AM	(WLTZ)
V28	12-10	2157	5509.7	Mon	Female operator for 50 seconds; returned at 2200z and kept talking before the transmission abruptly ended at 2106z	AM	(WLTZ)
V28	13-10	1200	5511	Tue	Female operator i.p. Off at 1207z. The signal drifted during up and down the entire time of the transmission. Of at 1209z.	AM	(WLTZ)
V28	13-10	2200	5510	Tue	Female operator. Message ended at 2203z. Carrier drifted to 5513 kHz and then slowly back. Off at 2208z	AM	(WLTZ)
V28	13-10	2203	3042.5	Tue	Parrot i.p. Off at ca 2206z	AM	(WLTZ)
V28	14-10	1202	3042.4	Wed	Female operator. Off at 1207z	AM	(HK/WLTZ)
V28	14-10	1203	5511	Wed	Parrot	AM	(HK)
V28	14-10	1208	5252.6	Wed	Parrot	AM	(HK)
V28	15-10	1201	3042.8	Thu	Female operator. Clear and modulated. Off at 1207z	AM	(WLTZ)
V28	15-10	2159	3042.75	Thu	Female operator. Off at 2207z	AM	(WLTZ)
V28	15-10	2159	5512.7	Thu	Parrot. Off at 2213z. Crazy looking frequency drift	AM	(WLTZ)
V28	16-10	1201	3047.5	Fri	Parrot. Off at 1207z	AM	(WLTZ)
V28	16-10	1201	5491	Fri	Female operator. Off at 1207z	AM	(WLTZ)
V28	16-10	2200	3048.9	Fri	Female operator. Off at 2210z.	AM	(WLTZ)
V28	17-10	1159	5490.8	Sat	Female operator. Off at 1206z	AM	(WLTZ)
V28	18-10	1200	5490.8	Sun	Parrot	AM	(Rycat)
V28	18-10	1200	3042.7	Sun	Female operator. Off at 1206z	AM	(WLTZ)
V28	18-10	2201	3043	Sun	Female operator. Off at 2207z	AM	(WLTZ)
V28	18-10	2205	5479.6	Sun	Parrot	AM	(WLTZ)
V28	19-10	1201	5479	Mon	Female operator. Off at 1207z	AM	(WLTZ)
V28	19-10	1203	3042.6	Mon	Parrot. Off at 1208z	AM	(WLTZ)
V28	19-10	2200	5476.5	Mon	Female operator. Towards the end of the transmission, some background noise from either an answering machine or other electronic started going off. The same background noise was also picked up after the female operator finished her message. At 2209z, the transmission started drifting and made it to 5479.7kHz before going off at 2210z.	AM	(WLTZ)
V28	20-10	1202	3048.8	Tue	Male operator. Buzzing noise. Off at 1209z.	AM	(WLTZ)
V28	20-10	2200	5476.3	Tue	Female operator. Same electronic background noise as before. makes a return. Male voice in the background at 2203z. After the female operator finished her message at 2209z, the carrier remained up until the transmission went off at 2210z.	AM	(WLTZ)
V28	21-10	1158	3043.2	Wed	Female operator. Off for 10 sec right after the start. The transmission abruptly ended at 1208z	AM	(WLTZ)
V28	21-10	2200	5477.9	Wed	Female operator and the same electronic background noise as before. Off at 2209z.	AM	(WLTZ)
V28	22-10	1200	5493	Thu	Female operator. Off at 1207z. The signal drifted up and down throughout the entire transmission.	AM	(WLTZ)

V28	22-10	2159	5490.7	Thu	Female operator with electronic background noise and a man could be heard. After the message ended at 2209z, the carrier drifted all the way up to 5493 kHz. Off at 2213z.	AM	(WLTZ)
V28	23-10	1201	5490.9	Fri	Female operator. The transmission ended abruptly at 1205z, cutting the female operator off.	AM	(WLTZ)
V28	23-10	1202	3042.8	Fri	Female operator, different from 5490.9 kHz. Off at 1207z.	AM	(WLTZ)
V28	23-10	2200	3042.9	Fri	Initially a male operator, but switched to a female operator before it went off at 2206z.	AM	(WLTZ)
V28	23-10	2207	4592.7	Fri	Female operator. During its time up, there were intermittent gaps around 0.25 seconds where the carrier went off, then came back. Off at 2210z.	AM	(WLTZ)
V28	24-10	1200	5491.6	Sat	Female operator. Off at 1205z, cutting the female operator off in the middle of her message.	AM	(WLTZ)
V28	24-10	1205	3044	Sat	Female operator, different from 5491.6 kHz. Off 1207z	AM	(WLTZ)
V28	24-10	2200	5491	Sat	Female operator. Message ended ar 2209z. The carrier stayed up until 2213z	AM	(WLTZ)
V28	24-10	2201	3044	Sat	Parrot. Off at 2205z.	AM	(WLTZ)
V28	25-10	1200	5490.6	Sun	Female operator. It abruptly ended at 1206z.	AM	(WLTZ)
V28	25-10	1206	3044.2	Sun	Parrot i.p. Off at 1207z. It had a different female operator.	AM	(WLTZ)
V28	25-10	1207	5226.4	Sun	Numerous intermittent gaps throughout the transmission where the carrier went off and came back. It appeared to be Morse. It disappeared when the carrier went out and reappeared when the carrier came back. This might be the morse counter part of V28	CW	(WLTZ)
V28	25-10	2200	5491	Sun	Female operator. Message ended at 2209z. The carrier remained up until 2217z.	AM	(WLTZ)
V28	26-10	1200	5490	Mon	Female operator. Off at 1206z	AM	(WLTZ)
V28	26-10	1202	3044.3	Mon	Parrot. Off at 1206z	AM	(WLTZ)
V28	27-10	1205	3044.5	Tue	Parrot i.p. Female operator. Off at 1207z	AM	(WLTZ)
V28	27-10	2200	5488.2	Tue	Female operator. At 2207z, the electronic background noise appeared briefly. After the message, the carrier remained up until 2210z.	AM	(WLTZ)
V28	27-10	2203	3044.2	Tue	Parrot. Off at 2206z	AM	(WLTZ)
V28	28-10	1159	3044.4	Wed	Female operator. After 45 seconds, the carrier went out and stayed off for ca 1.5min. Back at 1202z with the female operator barely audible. The message ended at 1209z. The carrier remained up until 1211z.	AM	(WLTZ)
V28	28-10	2205	3044	Wed	Female operator. The transmission abruptly ended at 2205z.	AM	(WLTZ)
V28	29-10	1159	3044.2	Thu	Female operator. Off at 1205z. Very weak today	AM	(WLTZ)
V28	29-10	2159	3044	Thu	Female operator. Off at 2206z. Very weak	AM	(WLTZ)
V28	29-10	2201	5489.5	Thu	Different female operator. Message endend at 2210z. The electronic background noise and some beeping make a brief appearance towards the end of the message. I think there was a man speaking in the background after the message ended. The carrier remained up for another minute until it went off at 2211z.	AM	(WLTZ)
V28	30-10	1201	3043.9	Fri	Female operator. Off at 1206z.	AM	(WLTZ)
V28	30-10	2201	3044.3	Fri	Parrot. Off at 2205z.	AM	(WLTZ)
V28	30-10	2201	5490	Fri	Female operator. Message ended at 2209z. The electronic background noise is	AM	(WLTZ)

					present towards the end of the message and after it. After the message ended you could hear her mocing, probably leaving the desk. The carrier remained up until 2210z.		
V28	31-10	1159	5488	Sat	Female operator. Ended abruptly at 1206z, cutting her off.	AM	(WLTZ/Rycat)
V28	31-10	1202	3047.7	Sat	Parrot. Off at 1205z	AM	(WLTZ/Rycat)
V28	31-10	2200	5489.5	Sat	Female operator. Off at 2208z. The signal drifted up and down during entire transmission	AM	(WLTZ)
VC01	10-10	1655	5341	Sat	Chinese Robot (Chinese Air Defense)	LSB	(HK)
VC03	10-10	1417	6858	Sat	53 1010 2200 92 9926 69 1828 90 94 ...	USB	(VSh)
VC03	10-10	1504	4271	Sat	250 045 116 91 40 1010 2255 170 342 282 3222 0118610 ...	LSB	(VSh/Nept)
VC03	23-10	0520	8028	Fri	2352 47132 338 254 250 0289 16 121 32 1203 1300 170 4666 282 4386 1254 0118 610 7564 6568 7270 ...	LSB	(VSh)
VC03	23-10	0520	8062	Fri	170 4386 282 4666 1254 0118 610 8680 0166 6608 6982 5803 7601 6887 8919 1007 0165 ...	LSB	(VSh)
VC03	23-10	0558	8028	Fri	2182938 23521813238 254 250 0291 16 20 32 1023 1300 170 4666 282 4386 ...	LSB	(VSh)
VC03	23-10	0605	8062	Fri	2182938 23521813238 254 250 0291 16 20 32 1023 1300 170 4666 282 4386 ...	LSB	(VSh)
X--	14-10	1120	16153	Wed	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-10	1445	12063	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X06	27-9	0914	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	27-9	1034	17430	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(Moon)
X06	5-10	0304	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon)
X06	6-10	0755	11462	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(Moon)
X06	6-10	0837	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	9-10	0744	12213	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(Hiram)
X06	9-10	0823	9288	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	11-10	1035	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	13-10	0807	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	13-10	1151	11025	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	15-10	0649	12220	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(AB)
X06	15-10	0847	15100	Thu	111666 (ended 0939z) Various carrier only tests between 0522 and 0847z	MFSK-6	(AB)
X06	15-10	1138	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(T101)
X06	15-10	1508	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(T101)
X06	19-10	0650	13452	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(RO)
X06	19-10	0724	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	20-10	0835	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO/Moon)
X06	23-10	1021	20605	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(Moon)
X06	24-10	1119	12126	Sat	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(T101)
X06	24-10	1133	17421	Sat	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB)
X06	24-10	1136	17421	Sat	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(Rycat)
X06	26-10	0938	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Anon)

X06	27-10	0804	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	27-10	1144	11025	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	28-10	0749	18177	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(RO)
X06	28-10	0845	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(AB)
X06	28-10	0846	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(RO/Moon)
XPA1	2-10	1210	14564	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	2-10	1230	13564	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	2-10	1250	11464	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	7-10	1210	14564	Wed	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	7-10	1230	13564	Wed	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	7-10	1250	11464	Wed	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	9-10	1210	14564	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	9-10	1230	13564	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	9-10	1250	11464	Fri	554 554 554 1 08587 00136 81810 ... 70238 96577 16325	MFSK-17/10Bd	(AB)
XPA1	14-10	1210	14564	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	14-10	1230	13564	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	14-10	1250	11464	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	16-10	1210	14564	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	16-10	1230	13564	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	16-10	1250	11464	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	21-10	1210	14564	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	21-10	1230	13564	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	21-10	1250	11464	Wed	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	23-10	1210	14564	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	23-10	1230	13564	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	23-10	1250	11464	Fri	554 554 554 1 09000 00345 88999 ... 27615 12508 11444	MFSK-17/10Bd	(AB)
XPA1	28-10	1210	14564	Wed	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA1	28-10	1230	13564	Wed	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA1	28-10	1250	11464	Wed	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA1	30-10	1210	14564	Fri	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA1	30-10	1230	13564	Fri	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA1	30-10	1250	11464	Fri	554 554 554 1 07120 00258 24037 ... 33699 16511 63550	MFSK-17/10Bd	(AB)
XPA2	1-10	0900	19587	Thu	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	1-10	0920	18375	Thu	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	1-10	0940	17432	Thu	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	1-10	1100	18053	Thu	00551 00042 02350 ... 54248 04867 33633	MFSK-14/7.8125Bd	(AB/PY)
XPA2	1-10	1120	16162	Thu	00551 00042 02350 ... 54248 04867 33633	MFSK-14/7.8125Bd	(AB/RL/PY)
XPA2	1-10	1140	14876	Thu	00551 00042 02350 ... 54248 04867 33633	MFSK-14/7.8125Bd	(AB/PY)
XPA2	1-10	1700	15874	Thu	08165 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-10	1720	14543	Thu	08165 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	1-10	1740	13426	Thu	08165 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	2-10	1100	14537	Fri	06064 00056 41803 ... 72156 05289 41703	MFSK-14/7.8125Bd	(AB)

XPA2	2-10	1120	13437	Fri	06064 00056 41803 ... 72156 05289 41703	MFSK-14/7.8125Bd	(AB)
XPA2	2-10	1140	10737	Fri	06064 00056 41803 ... 72156 05289 41703	MFSK-14/7.8125Bd	(AB)
XPA2	2-10	1800	14518	Fri	03927 00127 58302 ... 72469 36616 24464	MFSK-14/7.8125Bd	(AB)
XPA2	2-10	1820	13418	Fri	03927 00127 58302 ... 72469 36616 24464	MFSK-14/7.8125Bd	(AB)
XPA2	2-10	1840	12218	Fri	03927 00127 58302 ... 72469 36616 24464	MFSK-14/7.8125Bd	(AB)
XPA2	3-10	0900	19587	Sat	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	3-10	0920	18375	Sat	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	3-10	0940	17432	Sat	00476 00076 23829 ... 68889 20527 20046	MFSK-14/7.8125Bd	(AB)
XPA2	3-10	1500	17463	Sat	05244 00001 00000 10140	MFSK-14/7.8125Bd	(TM)
XPA2	3-10	1520	15829	Sat	05244 00001 00000 10140	MFSK-14/7.8125Bd	(TM)
XPA2	3-10	1540	14931	Sat	05244 00001 00000 10140	MFSK-14/7.8125Bd	(TM)
XPA2	5-10	0700	16279	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(PY)
XPA2	5-10	0720	17472	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(PY)
XPA2	5-10	0740	18726	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(PY)
XPA2	5-10	0910	19259	Mon	05947 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	5-10	0930	18396	Mon	05947 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	5-10	0950	17467	Mon	05947 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	5-10	1500	17463	Mon	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	5-10	1520	15829	Mon	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	5-10	1540	14931	Mon	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1100	14537	Tue	08140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1120	13437	Tue	08140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1140	10737	Tue	08140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1700	15874	Tue	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1720	14543	Tue	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	6-10	1740	13426	Tue	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0700	16279	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0720	17472	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0740	18726	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0910	19259	Wed	07126 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0930	18396	Wed	07126 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	0950	17467	Wed	07126 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1100	18053	Wed	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1120	16162	Wed	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1140	14876	Wed	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1800	14518	Wed	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1820	13418	Wed	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	7-10	1840	12218	Wed	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	0900	19587	Thu	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	0920	18375	Thu	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	0940	17432	Thu	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	1100	18053	Thu	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)

XPA2	8-10	1120	16162	Thu	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	1140	14876	Thu	00415 00100 89880 ... 23812 51656 53305	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	1700	15874	Thu	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	1720	14543	Thu	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	8-10	1740	13426	Thu	05101 00202 38937 ... 88831 27782 50367	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1100	14537	Fri	06313 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1120	13437	Fri	06313 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1140	10737	Fri	06313 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1800	14518	Fri	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1820	13418	Fri	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	9-10	1840	12218	Fri	07074 00119 45645 ... 39760 62496 21073	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	0900	19587	Sat	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	0920	18375	Sat	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	0940	17432	Sat	00124 00094 94198 ... 12657 99487 60633	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	1500	17463	Sat	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	1520	15829	Sat	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	10-10	1540	14931	Sat	06439 00201 17260 ... 41253 13979 03114	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0700	16279	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0720	17472	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0740	18726	Mon	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0910	19259	Mon	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0930	18396	Mon	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	0950	17467	Mon	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	1500	17463	Mon	08014 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	1520	15829	Mon	08014 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	12-10	1540	14931	Mon	08014 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	13-10	1100	14537	Tue	04734 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	13-10	1120	13437	Tue	04734 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	13-10	1140	10737	Tue	04734 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	13-10	1700	15874	Tue	06459 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	13-10	1720	14543	Tue	06459 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	13-10	1740	13426	Tue	06459 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0700	16279	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0720	17472	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0740	18726	Wed	00625 00312 62233 ... 69812 56902 42273	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0910	19259	Wed	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0930	18396	Wed	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	0950	17467	Wed	08184 00111 38355 ... 50362 22752 36470	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	1100	18053	Wed	02688 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	1120	16162	Wed	02688 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	1140	14876	Wed	02688 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	1800	14518	Wed	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)

XPA2	14-10	1820	13418	Wed	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)
XPA2	14-10	1840	12218	Wed	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)
XPA2	15-10	0900	19587	Thu	08474 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	0920	18375	Thu	08474 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	0940	17432	Thu	08474 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	1100	18053	Thu	05042 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	1120	16162	Thu	05042 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	1140	14876	Thu	05042 00001 00000 10140	MFSK-14/7.8125Bd	(AB/Hiram)
XPA2	15-10	1700	15874	Thu	02160 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	15-10	1720	14543	Thu	02160 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	15-10	1740	13426	Thu	02160 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1100	14537	Fri	03569 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1120	13437	Fri	03569 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1140	10737	Fri	03569 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1800	14518	Fri	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1820	13418	Fri	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)
XPA2	16-10	1840	12218	Fri	07867 00072 46943 ... 48340 98082 13763	MFSK-14/7.8125Bd	(AB)
XPA2	17-10	0900	19587	Sat	09092 00001 00000 10140	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	17-10	0920	18375	Sat	09092 00001 00000 10140	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	17-10	0940	17432	Sat	09092 00001 00000 10140	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	17-10	1500	17463	Sat	06262 00000 00000 10040	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	17-10	1520	15829	Sat	06262 00000 00000 10040	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	17-10	1540	14931	Sat	06262 00000 00000 10040	MFSK-14/7.8125Bd	(AB/GR2)
XPA2	19-10	0700	16279	Mon	Off after 29 sec	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	0720	17472	Mon	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	0740	18726	Mon	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	0800	13411	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0810	14411	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0820	14714	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0830	15821	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0840	16142	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0850	17431	Mon	01001 00291 87719 ... 12543 49723 64243	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	0910	19259	Mon	09848 00164 67617 ... 41112 44030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	0930	18396	Mon	09848 00164 67617 ... 41112 44030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	0950	17467	Mon	09848 00164 67617 ... 41112 44030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1030	14958	Mon	01002 00202 43911 ... 54191 04928 56724	MFSK-14/7.8125Bd	(WLTZ)
XPA2	19-10	1200	17420	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1210	16266	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1220	15965	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1230	14963	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1240	14376	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1250	13472	Mon	01003 00183 02595 ... 75987 81334 67141	MFSK-14/7.8125Bd	(PY)

XPA2	19-10	1400	17434	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1410	16076	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1420	15981	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1430	14874	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1440	13993	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1450	12212	Mon	01004 00226 57545 ... 67077 03679 55164	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1500	17463	Mon	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1520	15829	Mon	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1540	14931	Mon	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1600	17413	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1610	16111	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1620	15902	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1630	14666	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1640	13423	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1650	12212	Mon	01005 00153 74360 ... 48259 12293 26204	MFSK-14/7.8125Bd	(AB)
XPA2	19-10	1800	17434	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1810	16216	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1820	15867	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1830	14541	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1840	13508	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	19-10	1850	12166	Mon	01006 00283 68224 97342 97682 01557 88799 ... (too weak to copy)	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0700	13479	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0710	14458	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0720	14968	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0730	15963	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0740	16240	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0750	17412	Tue	01007 00187 51320 ... 68538 34115 71770	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0900	17416	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0910	16341	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0920	15824	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0930	14812	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0940	14402	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	0950	13491	Tue	01008 00275 96810 ... 74213 67235 17455	MFSK-14/7.8125Bd	(PY)
XPA2	20-10	1100	14537	Tue	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1100	17418	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1110	16304	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1120	13437	Tue	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1120	15945	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1130	14689	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1140	10737	Tue	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1140	14357	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1150	13471	Tue	01009 00182 59273 ... 50113 43688 67167	MFSK-14/7.8125Bd	(AB)

XPA2	20-10	1300	17423	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1310	16129	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1320	15826	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1330	14793	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1340	14384	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1350	13468	Tue	01010 00156 98167 ... 45509 44835 25675	MFSK-14/7.8125Bd	(AB/PY)
XPA2	20-10	1500	17436	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1510	16128	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1520	15821	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1530	14788	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1540	13496	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1550	12184	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	20-10	1550	12184	Tue	01011 00195 03648 ... 91857 19667 52760	MFSK-14/7.8125Bd	(WLTZ)
XPA2	20-10	1700	15874	Tue	03231 00129 42897 ... 77696 69350 37207	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1720	14543	Tue	03231 00129 42897 ... 77696 69350 37207	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1740	13426	Tue	03231 00129 42897 ... 77696 69350 37207	MFSK-14/7.8125Bd	(AB)
XPA2	20-10	1740	13911	Tue	01012 00179 86740 ... 28842 50001 71350	MFSK-14/7.8125Bd	(WLTZ)
XPA2	20-10	1940	11163	Tue	01013 00295 48622 ... 85145 50474 13025	MFSK-14/7.8125Bd	(WLTZ)
XPA2	21-10	0700	16279	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	0720	17472	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	0740	18726	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	0800	13411	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0810	14411	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0820	14741	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0830	15821	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0840	16142	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0850	17431	Wed	01014 00203 50442 ... 44016 33004 04761	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	0910	19259	Wed	09848 00164 67617 ... 41212 54030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	0930	18396	Wed	09848 00164 67617 ... 41212 54030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	0950	17467	Wed	09848 00164 67617 ... 41212 54030 22541	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1000	17421	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1010	16327	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1020	15833	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1030	14958	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1040	14528	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1050	13961	Wed	01015 00199 17556 ... 93966 02831 01563	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1100	18053	Wed	Unreadable	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1120	16162	Wed	Unreadable	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1140	14876	Wed	Unreadable	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1200	17420	Wed	01016 00257 08109 ... 77076 04663 25213	MFSK-14/7.8125Bd	(WLTZ)
XPA2	21-10	1400	17434	Wed	01017 00259 34752 ... 73240 99695 51442	MFSK-14/7.8125Bd	(WLTZ)
XPA2	21-10	1650	12212	Wed	01018 00214 04432 ... 18917 48747 74415	MFSK-14/7.8125Bd	(WLTZ)

XPA2	21-10	1800	14518	Wed	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1800	17434	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1810	16216	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1820	13418	Wed	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1820	15867	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1830	14541	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1840	12218	Wed	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	21-10	1840	13508	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1850	12166	Wed	01019 00291 94778 ... 41174 37734 44026	MFSK-14/7.8125Bd	(PY)
XPA2	21-10	1850	12166	Wed	01019 00291 94778 25982 21512 14881 ...	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	0700	13479	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0710	14458	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0720	14968	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0730	15963	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0740	16240	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0750	17412	Thu	01020 00284 15085 ... 67112 82321 10703	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0900	19587	Thu	02607 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	0900	17416	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0910	16341	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0920	18375	Thu	02607 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	0920	15824	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0930	14812	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0940	17432	Thu	02607 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	0940	14402	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	0950	13491	Thu	01021 00200 79478 ... 40772 62705 66443	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1100	17418	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1100	18053	Thu	02304 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1110	16304	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	22-10	1110	16304	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1120	15945	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1120	16162	Thu	02304 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1130	14689	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1140	14357	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1140	14876	Thu	02304 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1150	13471	Thu	01022 00207 76165 ... 74752 21262 25506	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1300	17423	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1310	16129	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	22-10	1310	16129	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1320	15826	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1330	14793	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1340	14384	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1350	13468	Thu	01023 00213 23209 ... 95532 45319 15231	MFSK-14/7.8125Bd	(AB)

XPA2	22-10	1500	17436	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1510	16128	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1520	15821	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1530	14788	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1540	13496	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	22-10	1540	13496	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1550	12184	Thu	01024 00164 10351 ... 03222 73089 11073	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1700	15874	Thu	Unreadable	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1710	16107	Thu	01025 00253 39827 ... 67529 67729 52724	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1720	14543	Thu	Not heard	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1720	15928	Thu	01025 00253 39827 ... 67529 67729 52724	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	22-10	1720	15928	Thu	01025 00253 39827 78734 27999 15302 ...	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1730	14737	Thu	01025 00253 39827 ... 67529 67729 52724	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1740	13426	Thu	Barely audible	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1740	13911	Thu	01025 00253 39827 ... 67529 67729 52724	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1750	12138	Thu	01025 00253 39827 ... 67529 67729 52724	MFSK-14/7.8125Bd	(AB)
XPA2	22-10	1900	15804	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1900	15804	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1910	14918	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1910	14918	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1920	13494	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1920	13494	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1930	12182	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1930	12182	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1940	11163	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1940	11163	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	22-10	1950	10563	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(PY)
XPA2	22-10	1950	10563	Thu	01026 00250 47619 ... 49351 72766 34552	MFSK-14/7.8125Bd	(WLTZ)
XPA2	23-10	0700	13479	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	0710	14458	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	0720	14968	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	0730	15963	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	0740	16240	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	0750	17412	Fri	01027 00231 79834 ... 12421 50870 44773	MFSK-14/7.8125Bd	(PY)
XPA2	23-10	1100	14537	Fri	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1120	13437	Fri	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1140	10737	Fri	07213 00110 98808 ... 57042 18032 37623	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1300	17423	Fri	01030 00238 44809 ... 75580 40353 72433	MFSK-14/7.8125Bd	(WLTZ)
XPA2	23-10	1700	17429	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	23-10	1700	17429	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	23-10	1710	16107	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	23-10	1710	16107	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)

XPA2	23-10	1720	15928	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	23-10	1720	15928	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	23-10	1730	14737	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1730	14737	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	23-10	1740	13911	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1740	13911	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	23-10	1750	12138	Fri	01032 00222 17938 ... 03768 91647 27337	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1750	12138	Fri	01045 00282 98994 ... 50837 30567 03727	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	23-10	1800	14518	Fri	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1820	13418	Fri	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1840	12218	Fri	08842 00527 27751 ... 32964 61433 12217	MFSK-14/7.8125Bd	(AB)
XPA2	23-10	1900	15804	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-POL)
XPA2	23-10	1910	14918	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-S)
XPA2	23-10	1920	13494	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-S)
XPA2	23-10	1930	12182	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-S)
XPA2	23-10	1940	11163	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	23-10	1950	10563	Fri	01033 00215 38243 ... 08768 91072 02522	MFSK-14/7.8125Bd	(AB-S)
XPA2	24-10	0800	13411	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0810	14411	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0820	14714	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0830	15821	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0840	16142	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0850	17431	Sat	01034 00252 28025 ... 74516 56117 00721	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0900	19587	Sat	02140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0920	18375	Sat	02140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	0940	17432	Sat	02140 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1000	17421	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1010	16327	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1020	15833	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1030	14958	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1040	14528	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1050	13961	Sat	01035 00192 52096 ... 73908 83531 50502	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1200	17420	Sat	Off after 43 sec	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1200	17420	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	24-10	1210	16266	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1210	16266	Sat	01036 00277 78226 ... 05992 05288 33642	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	24-10	1220	15965	Sat	01036 00277 78226 ... 05992 05288 33642	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1220	15965	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1230	14963	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1230	14963	Sat	01036 00277 78226 ... 05992 05288 33642	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1240	14376	Sat	01036 00277 78226 ... 05992 05288 33642	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1240	14376	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB)

XPA2	24-10	1250	13472	Sat	01049 00215 66514 ... 16869 43928 21637	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1250	13472	Sat	01036 00277 78226 ... 05992 05288 33642	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1400	17434	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	24-10	1410	16076	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1420	15981	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1430	14874	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1440	13993	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1450	12212	Sat	01037 00189 07461 ... 85868 48795 34210	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1500	17463	Sat	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1520	15829	Sat	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1540	14931	Sat	04826 00211 13157 ... 19455 69379 45115	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1600	17413	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	24-10	1610	16111	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1620	15902	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1630	14666	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1640	13423	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1650	12212	Sat	01038 00263 73397 ... 18937 21270 00525	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1800	17434	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1810	16216	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	24-10	1820	15867	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1830	14541	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1840	13508	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB)
XPA2	24-10	1850	12166	Sat	01039 00213 87303 ... 39689 17779 53657	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0700	13479	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0700	16279	Sun	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0710	14458	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0720	14968	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0730	15963	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0740	16240	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0750	17412	Sun	01040 00214 18668 ... 31648 54695 55466	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0900	17416	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0910	16341	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0920	15824	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0930	14812	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0940	14402	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	0950	13491	Sun	00041 00269 02888 ... 09261 80250 74460	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1100	17418	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1110	16304	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1120	15945	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1130	14689	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1140	14357	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1150	13471	Sun	01042 00291 78139 ... 93698 18873 33435	MFSK-14/7.8125Bd	(AB)

XPA2	25-10	1300	17423	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1310	16129	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	25-10	1320	15826	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1330	14793	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1340	14384	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1350	13468	Sun	01043 00166 69376 ... 46497 79626 54231	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1500	17436	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1510	16128	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1520	15821	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	25-10	1530	14788	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1540	13496	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1550	12184	Sun	01044 00167 08218 ... 34047 85259 45444	MFSK-14/7.8125Bd	(AB)
XPA2	25-10	1920	13494	Sun	01046 00260 52139 ... 95702 61824 54747	MFSK-14/7.8125Bd	(WLTZ)
XPA2	26-10	0720	17472	Mon	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0740	18726	Mon	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0800	13411	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0810	14411	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0820	14714	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0830	15821	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0840	16142	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0850	17431	Mon	01047 00189 95402 ... 12184 87769 46035	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0910	19259	Mon	03280 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0930	18396	Mon	03280 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	0950	17467	Mon	03280 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1000	17421	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1010	16327	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1020	15833	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1030	14958	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1040	14528	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1050	13961	Mon	01048 00188 11906 ... 74547 61304 01665	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1400	17434	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1410	16076	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1420	15981	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1430	14874	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1440	13993	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1450	12212	Mon	01050 00253 64712 ... 53817 39250 67132	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1500	17463	Mon	08448 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1520	15829	Mon	08448 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1540	14931	Mon	08448 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1600	17413	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1610	16111	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1620	15902	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)

XPA2	26-10	1630	14666	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1640	13423	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1650	12212	Mon	01051 00263 98946 ... 86211 86209 33600	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1800	17434	Mon	01052 00154 30876 ... 74126 83259 25133	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1810	16216	Mon	No transmission	MFSK-14/7.8125Bd	(AB)
XPA2	26-10	1820	15867	Mon	01052 00154 30876 ... 74126 83259 25133	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1830	14541	Mon	01052 00154 30876 ... 74126 83259 25133	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1840	13508	Mon	01052 00154 30876 ... 74126 83259 25133	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	26-10	1850	12166	Mon	01052 00154 30876 ... 74126 83259 25133	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	0700	13479	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0710	14458	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0720	14968	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0730	15963	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0740	16240	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0750	17412	Tue	01053 00188 85011 ... 28018 44306 21344	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0900	17416	Tue	01054 00196 92153 ... 37867 11370 33636	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0910	16341	Tue	01054 00196 92153 ... 37867 11370 33636	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0920	15824	Tue	01054 00196 92153 ... 37867 11370 33636	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0930	14812	Tue	01054 00196 92153 ... 37867 11370 33636	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	0940	14402	Tue	01054 00196 92153 ... 37867 11370 33636	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1100	14537	Tue	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1100	17418	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1110	16304	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1120	13437	Tue	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1120	15945	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1130	14689	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1140	10737	Tue	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1140	14357	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1150	13471	Tue	01055 00281 56635 ... 81470 43006 41522	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1300	17423	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	1310	16129	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1320	15826	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1330	14793	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1340	14384	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1350	13468	Tue	01056 00194 51924 ... 10782 28775 01547	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1500	17436	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	1510	16128	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1520	15821	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1530	14788	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1540	13496	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1550	12184	Tue	01057 00165 29484 ... 62350 10453 65667	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1700	15874	Tue	02375 00001 00000 10140	MFSK-14/7.8125Bd	(AB-IRL)

XPA2	27-10	1700	17429	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	27-10	1710	16107	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	27-10	1720	14543	Tue	02375 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1720	15928	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	27-10	1730	14737	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	1740	13426	Tue	02375 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	27-10	1740	13911	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	1750	12138	Tue	01058 00168 32341 ... 86807 98926 53662	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	27-10	1900	15804	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-POL)
XPA2	27-10	1910	14918	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-S)
XPA2	27-10	1920	13494	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-S)
XPA2	27-10	1930	12182	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-S)
XPA2	27-10	1940	11163	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	27-10	1950	10563	Tue	01059 00293 88676 ... 49776 20886 36243	MFSK-14/7.8125Bd	(AB-S)
XPA2	28-10	0700	16279	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0720	17472	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0740	18726	Wed	00533 00139 30485 ... 63465 30883 62335	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0800	13411	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0810	14411	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0820	14714	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0830	15821	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0840	16142	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0850	17431	Wed	01060 00222 59838 ... 95147 91363 40202	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0910	19259	Wed	05287 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0930	18396	Wed	05287 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	0950	17467	Wed	05287 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1000	17421	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1010	16327	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1020	15833	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1030	14958	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1040	14528	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1050	13961	Wed	01061 00172 12096 ... 83863 63033 53635	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1100	18053	Wed	09408 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1120	16162	Wed	09408 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1140	14876	Wed	09408 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1200	17420	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1210	16266	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1220	15965	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1230	14963	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1240	14376	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1250	13472	Wed	01062 00253 53616 ... 20203 39493 07700	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1400	17434	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB)

XPA2	28-10	1410	16076	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1420	15981	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1430	14874	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1440	13993	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1450	12212	Wed	00063 00161 14030 ... 52250 32437 63235	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1600	17413	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1610	16111	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1620	15902	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1630	14666	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1640	13423	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1650	12212	Wed	01064 00268 69778 ... 17222 33538 53221	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1800	14518	Wed	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1800	17434	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1810	16216	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1820	13418	Wed	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1820	15867	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1830	14541	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1840	12218	Wed	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	28-10	1840	13508	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	28-10	1850	12166	Wed	01065 00167 75547 ... 83262 43880 27021	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	0700	13479	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0710	14458	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0720	14968	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0730	15963	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0740	16240	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0750	17412	Thu	01066 00272 70247 ... 43799 37238 36672	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0900	17416	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0900	19587	Thu	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0910	16341	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0920	15824	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0920	18375	Thu	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0930	14812	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0940	14402	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0940	17432	Thu	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	0950	13491	Thu	01067 00157 82091 ... 56227 77843 24657	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1100	17418	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1100	18053	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1110	16304	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1120	15945	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1120	16162	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1130	14689	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1140	14357	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)

XPA2	29-10	1140	14876	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1150	13471	Thu	1068 00219 24758 ... 98341 94881 45645	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1300	17423	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1310	16129	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1320	15826	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1330	14793	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1340	14384	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1350	13468	Thu	01069 00230 29352 ... 95556 08785 57622	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1500	17436	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1510	16128	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1520	15821	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1530	14788	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1540	13496	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1550	12184	Thu	00070 00280 42699 ... 72525 50075 56463	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1700	15874	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1700	17429	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1710	16107	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1720	14543	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1720	15928	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1730	14737	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1740	13426	Thu	09555 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	29-10	1740	13911	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1750	12138	Thu	01071 00285 89151 ... 87459 85086 47542	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	29-10	1900	15804	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	29-10	1910	14918	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	29-10	1920	13494	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	29-10	1930	12182	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	29-10	1940	11163	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	29-10	1950	10563	Thu	01072 00289 18162 ... 54771 27784 11104	MFSK-14/7.8125Bd	(AB-IRL)
XPA2	30-10	0700	13479	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0710	14458	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0720	14968	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0730	15963	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0740	16240	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0750	17412	Fri	01073 00168 16366 ... 47156 61083 43627	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0900	17416	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0910	16341	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0920	15824	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0930	14812	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0940	14402	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	0950	13491	Fri	01074 00152 92472 ... 17593 98893 00704	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1100	14537	Fri	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)

XPA2	30-10	1100	17418	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1110	16304	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1120	13437	Fri	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1120	15945	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1130	14689	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1140	10737	Fri	07032 00090 88221 ... 10679 49536 04226	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1140	14357	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1150	13471	Fri	01075 00243 04641 ... 47562 90266 16015	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1300	17423	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1310	16129	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	30-10	1320	15826	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1330	14793	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1340	14384	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1350	13468	Fri	01076 00175 54872 ... 67968 61737 27371	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1500	17436	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1510	16128	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1520	15821	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1530	14788	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1540	13496	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1550	12184	Fri	01077 00185 33313 ... 23768 21472 15275	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1700	17429	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	30-10	1710	16107	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	30-10	1720	15928	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB-IRL/WLTZ)
XPA2	30-10	1730	14737	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	30-10	1740	13911	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	30-10	1750	12138	Fri	01078 00217 63210 ... 63447 85447 20222	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	30-10	1800	14518	Fri	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1820	13418	Fri	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1840	12218	Fri	06047 00064 76458 ... 61708 66771 55774	MFSK-14/7.8125Bd	(AB)
XPA2	30-10	1900	15804	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	30-10	1910	14918	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	30-10	1920	13494	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	30-10	1930	12182	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	30-10	1940	11163	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	30-10	1950	10563	Fri	01079 00251 09101 ... 09460 90909 54221	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	31-10	0800	13411	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0810	14411	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0820	14714	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0830	15821	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0840	16142	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0850	17431	Sat	01080 00261 25893 ... 50648 61626 52376	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0900	19587	Sat	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)

XPA2	31-10	0920	18375	Sat	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	0940	17432	Sat	00617 00111 59746 ... 25003 36637 45722	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1000	17421	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1010	16327	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1020	15833	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1030	14958	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1040	14528	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1050	13961	Sat	01081 00170 17386 ... 75229 03079 35213	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1200	17420	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1210	16266	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	31-10	1220	15965	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1230	14963	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1240	14376	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1250	13472	Sat	01082 00231 21700 ... 77776 79236 03714	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1400	17434	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	31-10	1410	16076	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1420	15981	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1430	14874	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1440	13993	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1450	12212	Sat	01083 00253 79205 ... 02206 01762 05434	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1500	17463	Sat	02214 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1520	15829	Sat	02214 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1540	14931	Sat	02214 00001 00000 10140	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1600	17413	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB/WLTZ)
XPA2	31-10	1610	16111	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1620	15902	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1630	14666	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1640	13423	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1650	12212	Sat	01084 00283 65506... 99833 94419 42322	MFSK-14/7.8125Bd	(AB)
XPA2	31-10	1800	17434	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S)
XPA2	31-10	1810	16216	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S)
XPA2	31-10	1820	15867	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S)
XPA2	31-10	1830	14541	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S)
XPA2	31-10	1840	13508	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S/WLTZ)
XPA2	31-10	1850	12166	Sat	01085 00261 73015 ... 06548 75100 30456	MFSK-14/7.8125Bd	(AB-S)
XPB1	1-10	0500	19544	Thu	Russian intel.	MFSK-16	(AB)
XPB1	1-10	0510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	1-10	0520	18444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	1-10	0530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	1-10	0540	16244	Thu	Russian intel.	MFSK-16	(AB)
XPB1	1-10	0550	15844	Thu	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0500	19544	Fri	Russian intel.	MFSK-16	(AB)

XPB1	2-10	0510	19044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0520	18444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0530	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0540	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0550	15844	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0500	19544	Thu	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0520	18444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0540	16244	Thu	Russian intel.	MFSK-16	(AB)
XPB1	8-10	0550	15844	Thu	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0500	19544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0510	19044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0520	18444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0530	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0540	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0550	15844	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)

XPB1	9-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0500	19544	Thu	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0520	18444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0540	16244	Thu	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0550	15844	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0500	19544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0510	19044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0520	18444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0530	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0540	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0550	15844	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)

XPB1	19-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0500	19544	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0520	18444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0540	16244	Thu	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0550	15844	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0500	19544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0510	19044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0520	18444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0530	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0540	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0550	15844	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)

XPB1	27-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0500	19544	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0510	19044	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0520	18444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0530	17444	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0540	16244	Thu	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0550	15844	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0500	19544	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0510	19044	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0520	18444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0530	17444	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0540	16244	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0550	15844	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)



CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AZR	Ary Boender via remote rx Azores
AB-BER	Ary Boender via remote rx Bermuda
AB-CAN	Ary Boender via remote rx Canary Islands
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-IRL	Ary Boender via remote rx in Ireland
AB-IRQ	Ary Boender via remote rx Iraq
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-POR	Ary Boender via remote rx Portugal
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
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
Flaa	FlaafySW
Fspy	Feline Spy SWL
GR2	Gregor
Hiram	Hiram, W. Europe
HK	Hiroyuki Komatsubara, Japan
Ide	Iwate Dentai
JPL	JPL, NB, Canada (and various remote rx)
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
N3VLF	N3VLF
Nept	NeptuneCatFish_2460
Pille	Pille
PY	Pierre Ynard, France and via remote rx
qsr711	QSR711
RL	Roberto Landolpho, Brazil
RL-HOL	Roberto Landolpho via remote rx Netherlands
RO	Rando One, Sweden
Rycat	Rycat
SSD	SauerStoffDioxid
Subilo	Subilo
SW2-KOR	Sam via remote rx South Korea
T101	RadiotehnikaT101 via Priyom
TM	Time Machine
VSh	V. Shortwaver
WLTZ	WLTZ

LIST 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
X MFSK modes

Notes :
There is no solid proof that the mentioned operators are correct.
Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Coun-try	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating se-quences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military

M95	Markers and 4FG messages. Cut numbers. Morse counter-part of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB and 4+4 QPSK 75/1000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 … ABV repeat mes-sage) = AR. Short zero's. Often long zero in the date	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese miliary
V32	Tavajjoh (Attention) followed by strings of figures in Farsi			
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-17/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-14/7.8125Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy
X--	21-tone MFSK with 125 Hz tone spacing + 13-tone MFSK with 250 Hz spacing	RUA	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence

APPENDIX

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	– – . .					

For Cyrillic morse etc., see also
http://udxf.nl/Morse-document.pdf
http://udxf.nl/Russian.pdf

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
3rd shift Cyrillic RTTY as used by M42b	Q W E R T Y U I O P (K V Z 1 2 3 4 5 6 7 8 9 0 K = - +

Word	E11a	S11a	M03
Attention Slash / Out	Attention Oblique Out	Vnimanye Cirta Konets	— · · — ·

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	· — — — —	Môt	Van	adinka	Eins	One
2	· · — — —	Hai	To	dvoyka	Twso	Two
3	· · · — —	Ba	Fwee	troyka	Drei	Three
4	· · · · —	Bô'n	Fo	chetvyorka	Vier	Four
5	· · · · ·	Nâm	Fav	petyorka	Funuf	Fiver
6	— · · · ·	Sáu	Six	shest	Sechs	Six
7	— — · · ·	Ba|y	Seven	syem	Sieben	Seven
8	— — — · ·	Tám	Eight	vosyem	Acht	Eight
9	— — — — ·	Chín	Nine	dyevyet	Neugen	Niner
=	— · · · —					
/	— · · — ·					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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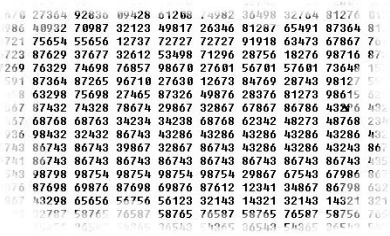
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