

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
658	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43206	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
676	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
741	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	76543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #227, August 2016

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

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

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

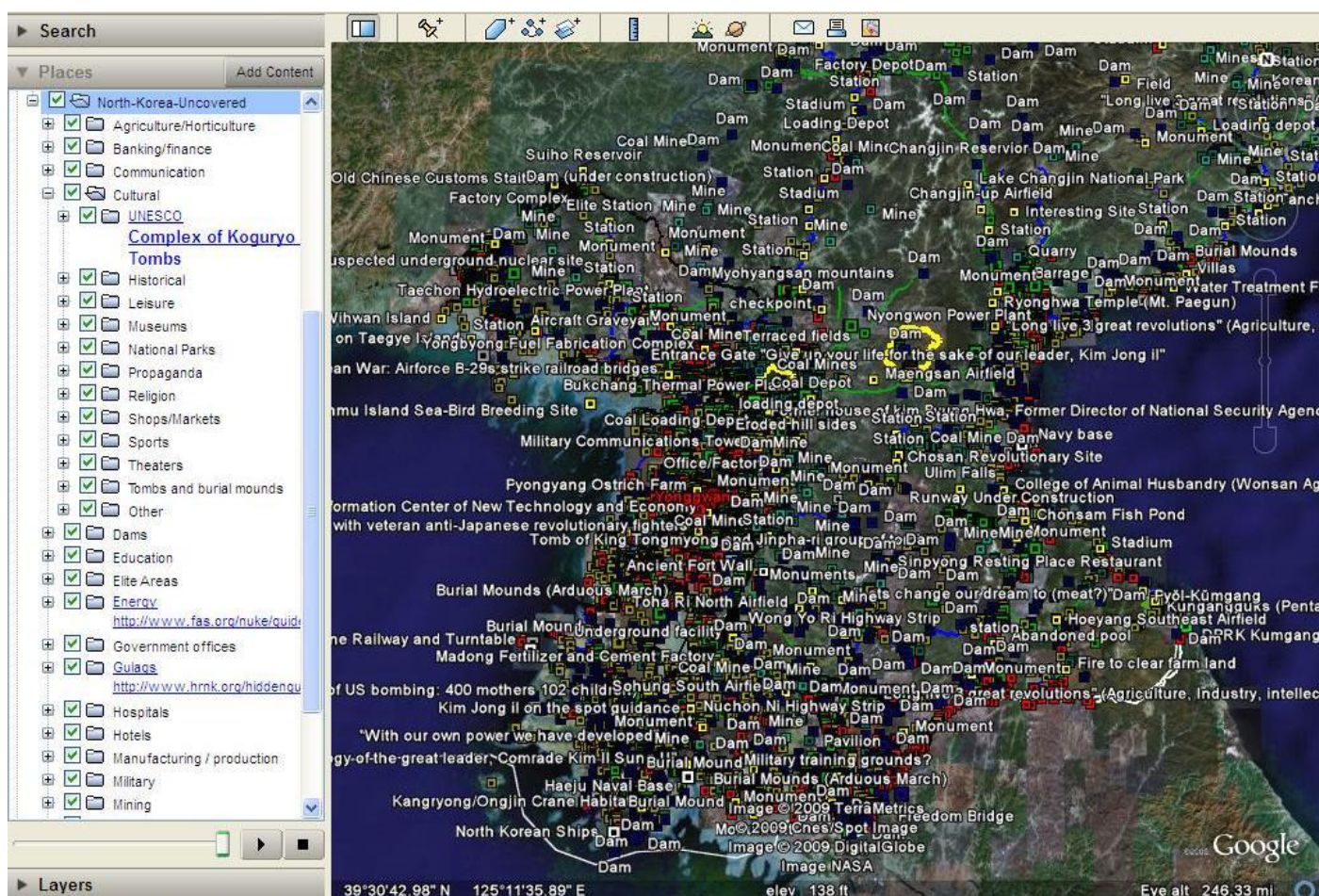
Welcome to yet another edition of Numbers & Oddities. First I'd like to thank this month's contributors. Your input is much appreciated !

No exciting new or revived stations were reported in August. Some tests / unscheduled transmissions from several agencies were noted and Mr Snowden sent two cryptic messages on Twitter.

V15 seems to have a fixed schedule on Thursday these days. Now that North Korean spy radio is in the picture again (V15 and V28) I thought that I might be interesting to mention the North Korea Uncovered project again, a Google Earth-based collaborative effort. The project resulted in a massive amount of info about the economic, cultural, political, and military infrastructure of North Korea. A kmz file is available with links to radio sites, government and military sites and much more, including the State Security Department (home of V15) . You need to install Google Earth to watch them though.

Download Google Earth here: <https://www.google.com/earth/>

The kmz file can be downloaded from this website: <http://www.nkeconwatch.com/north-korea-uncovered-google-earth/>



Enjoy and keep sending us your logs and info !!!

VOICE STATIONS



E06

New E06 schedule: Every Thursday 0300z/0400z [Target: Pacific]. Repeats the following day. ID 361. Frequencies change every month. August frequencies: 14648 kHz 0300z, 12084 kHz 0400z.

This schedule, along with S06 at 0830z/0930z, follows a very interesting pattern. The group count of these schedules is always between 30 and 50 groups, and it adds one group for every new transmission. Both transmissions from the same day, despite having different messages, will always have the same group count. Interesting. (info:Quim)

13540/16110 kHz, 04-08, 0500/0600 UTC, not on 16115 kHz today

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

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

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

210 947 135

52690 91800 81679 40521 96061 75857 87486 44730 30770 06688

72888 52120 90237 19628 40759 82997 30653 43951 24032 09911

79192 12668 78489 40360 41305 67753 52605 84763 34280 96706

64129 08105 39269 61405 78087 88721 88946 05179 85908 32650

33008 49042 30339 16983 48687 13029 55856 60663 88480 23557

89249 46153 82262 92767 80073 40431 35987 80777 55641 88729

94155 76773 76262 79475 58247 59897 53409 03849 78285 25849

86490 58418 59743 90154 62927 64273 52965 04027 11222 01101

17300 43764 85694 79639 77117 59621 54588 00952 11923 95092

40229 75947 47729 12537 90910 03602 41887 86093 89222 31301

78567 47818 26475 45753 17067 97981 97936 67904 60139 15461

98554 50295 34529 29169 23850 00299 00903 36459 05683 77672

35361 79436 37558 39861 49724 15117 69179 33501 42764 40372

74920 55540 99594 57597 25919

947 135 00000

7353 kHz, 04-08, 1640 UTC, USB.

Unscheduled, multiple failures and breaks, voice pitch was slightly higher than usual

801 324 59

15808 59413 38425 85527 41703 53289 26606 04309 44439 08268

93826 31254 79376 14014 27748 76327 29626 27460 94940 56920

79869 35664 23930 56850 30123 18377 86784 78038 72884 27503

65175 14555 82083 25646 11842 03706 87302 50922 43409 33869

31675 00228 25492 13750 36922 48156 36013 32749 23949 43746

17692 67134 62451 52242 55625 11700 47957 34075 56213

324 59 00000

5731 kHz, 05-08/19-08, 2130 UTC

315 569 63

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235

38085 59543 12319 74238 36664 12256 18841 73311 98089 12250

57878 87897 79879 99990 98878 89889 87879 56787 09000 76578

87878 89898 89890 98798 65656 54545 56566 56578 87876 99877

38085 59543 12319 74238 36664 12256 18841 73311 98089 12250

87878 89898 89890 98798 65656 54545 56566 56578 87876 99877

32333 43433 54545

569 63 00000

12084 kHz, 12-08, 0400 UTC

361 279 48
91369 42350 16517 31717 94935 98878 41769 16656 41021 76405
65582 20018 96403 31646 60656 25989 60411 28205 54861 98106
46703 89235 13256 83136 71397 81834 78811 08400 08488 37855
95250 89756 98478 40845 60463 92412 21178 33779 83921 11747
68600 27277 46535 66350 78886 13004 86389 20454
279 48 00000

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

361 427 50
76916 04821 86664 42100 48330 39624 96128 00551 65671 98921
91442 50436 77669 51739 19559 10672 74674 03703 53015 40993
15600 25523 01113 41588 44811 31192 69621 95394 22393 23068
54972 82774 16236 46040 83841 23226 29371 17974 34099 23838
60997 28601 98029 39178 24647 24059 73783 72283 71900 19267
427 50 00000



E07

10250 kHz, 08-08, 0940 UTC, unscheduled transmission

687 1 (R2) 5468 13
05329 21555 00540 66993 66799 26788 36107 79991 78820
40962 01786 69401 21089
5468 13 000 000

16147/14647/13447 kHz, 22-08/24-08, 1900/1920/1940 UTC

164 164 164 1 831 25 831 25
50462 60772 26830 79885 62291 36819 81681 74676 96456 78218
03566 09384 99006 65602 22686 64516 09700 62112 17831 14138
96922 75064 06629 85288 20223
000 000

9064/10264/11464 kHz, 27-08/28-08, 0600/0620/0640 UTC

024 024 024 1 (R) 944 98 944 98
40497 13825 27578 95153 07524 55723 41110 00064 58961 45797
66598 29006 35526 68068 74046 86595 72954 26695 16360 00620
54857 75269 53146 41492 93719 64817 09686 80972 56538 85398
04145 92227 61688 50317 07252 03384 18531 46635 26532 71439
15414 64381 81809 47158 35979 68204 21496 40340 71066 62813
95562 02206 72632 03887 70043 83807 94547 30098 08899 07862
05768 60141 86979 78813 04240 12848 75729 46675 86287 72085
04592 24943 35064 71242 04576 47836 03525 15919 20999 10330
24045 46516 69624 41133 30821 99795 46027 05905 32426 71142
43196 68736 59558 39644 24744 42928 46633 03752
000 000

13881/12181/10881 kHz, 24-08, 1700/1720/1740 UTC

818 818 818 1 304 78 304 78

36486 50379 30972 00897 06326 34162 44982 48490 56993 67406
48206 29673 76606 91119 40642 08033 18720 69284 38694 75541
96891 88783 54318 46251 22924 87499 42974 85315 46289 93083
11294 46835 29940 03801 61371 74294 67204 80193 67510 61521
42167 23089 49201 96570 75125 84129 83970 80053 40936 49989
88567 41673 04958 44417 07358 33891 63383 87571 60642 09007
18147 52424 26734 84451 74076 75945 25242 45272 32403 31591
70213 50875 45981 34759 13242 48371 59868 77088
000 000



E07a

12166/10766/9266 kHz, 24-08, 2000/2020/2040 UTC

172 172 172 1 31310 7185 59 7185 59

20798 66213 52802 27160 24799 12062 06372 66727 47071 65502
06511 13851 55212 71412 97422 45989 99717 38432 01545 83948
76754 98756 89360 29294 12465 39209 10048 66301 70152 31236
13996 50033 22835 34959 09857 57132 71628 75882 05694 56334
74966 87538 53314 40313 70903 82931 10057 49301 51413 68217
05512 03343 22287 42085 88008 89899 69571 55606 85449
000 000

7933/9133/10233 kHz, 25-08, 0430/0450/0510 UTC

912 912 912 1 31310 7185 59 7185 59

20798 66213 52802 27160 24799 12062 06372 66727 47071 65502
06511 13851 55212 71412 97422 45989 99717 38432 01545 83948
76754 98756 89360 29294 12465 39209 10048 66301 70152 31236
13996 50033 22835 34959 09857 57132 71628 75882 05694 56334
74966 87538 53314 40313 70903 82931 10057 49301 51413 68217
05512 03343 22287 42085 88008 89899 69571 55606 85449
000 000

12213/11413/10113 kHz, 26-08, 1510/1530/1550 UTC

241 241 241 1 65855 4957 73 4957 73

30404 52971 54136 24865 51162 41829 24334 44842 94777 27064
49410 49318 00879 26247 95847 42790 28064 49699 98515 31424
68952 69460 06308 29332 80413 52962 11945 83402 43920 99331
78947 97282 87259 70185 04313 33211 94204 29610 53461 35682
46122 40505 14466 74027 28367 94471 86066 14146 46329 35401
65559 58049 85243 83984 94751 62002 43741 36846 57841 01964
85499 88174 20924 13208 48931 40587 20254 89756 79667 24302
77071 47376 15106
000 000

12177/13477/14877 kHz, 27-08, 0800/0820/0840 UTC

148 148 148 1 65855 4957 73 4957 73
30404 52971 54136 24865 51162 41829 24334 44842 94777 27064
49410 49318 00879 26247 95847 42790 28064 49699 98515 31424
68952 69460 06308 29332 80413 52962 11945 83402 43920 99331
78947 97282 87259 70185 04313 33211 94204 29610 53461 35682
46122 40505 14466 74027 28367 94471 86066 14146 46329 35401
65559 58049 85243 83984 94751 62002 43741 36846 57841 01964
85499 88174 20924 13208 48931 40587 20254 89756 79667 24302
77071 47376 15106
000 000



E11a

13537 kHz, 01-08/05-08, 1225 UTC

524/31 Attention
18358 68067 35963 93896 75435 98954 13858 62834 50263 94098
41691 59201 93321 97958 73774 08310 52175 57595 16382 02600
96322 73788 42399 74987 91447 56130 90854 25893 36797 23267
86700
Attention, rpt msg, out

14753 kHz, 02-08/05-08, 0710 UTC

637/40 Attention
82758 26372 61424 69569 78274 60084 86755 28076 54314 89546
12354 72665 79878 79148 75671 04720 21601 44056 45259 99800
43733 61907 62352 28194 06793 25772 22217 17941 96666 72532
94430 19222 04339 55676 70479 31275 74641 38225 98902 60737
Attention, rpt msg, out

13424 kHz, 03-08/05-08, 0545 UTC

346/32 Attention
58374 41976 10020 01344 85439 66629 99790 18434 56734 05756
07789 58318 91924 20788 55217 87276 60893 22698 36421 01745
10193 80338 64788 35809 01553 99292 48249 58855 63423 40124
38493 12708
Attention, rpt msg, out

10213 kHz, 03-06/04-06, 0930 UTC

267/34 Attention
08869 36803 70237 42002 81591 74778 47334 57553 38958 03318
27874 16508 52713 35296 12398 33960 21585 46400 23360 22512
98532 48302 57443 05409 49724 38149 47752 38963 38039 04427
06027 81759 30566 03160
Attention, rpt msg, out

13908 kHz, 05-08, 0600 UTC

188/40 Attention
50964 73470 99374 55230 10170 95598 61095 10474 11420 24354
88177 24005 89078 27358 23761 50076 59959 22479 46741 26969
44575 90673 79877 88356 46732 22270 65646 54085 78840 16899
18077 28215 49936 11557 82074 64672 06572 50559 59257 59012
Attention, rpt msg, out

14940 kHz, 05-08, 1650 UTC

921/36 Attention

88677 88567 11448 03444 73489 36119 34071 76853 33171 04423
33496 34443 50989 97016 67205 13777 03020 31481 89896 82419
58978 30742 42319 05275 02903 34519 25943 42815 79609 46535
16659 31987 85551 02801 90175 97076

Attention, rpt msg, out

9610 kHz, 08-08, 0745 UTC

269/38 Attention

48087 80242 14322 54591 97703 11200 01491 55026 29102 04396
26026 88011 76293 28160 22478 34581 65244 13247 87241 49288
46938 39609 63851 89862 11193 48300 76121 41455 79499 17006
53474 62039 14780 38091 17001 23267 41699 78370

Attention, rpt msg, out

14410 kHz, 08-08, 1745 UTC

248/36 Attention

37702 51954 32988 48518 85110 38447 05680 71782 31984 23543
08109 96472 88738 04587 40087 45709 43459 19994 03182 45016
73258 11807 33301 37349 61199 39808 91673 04429 64779 60338
50903 52864 60000 25610 26754 81811

Attention, rpt msg, out

13424 kHz, 09-08/11-08, 0645 UTC

418/31 Attention

43767 93187 01578 43263 15497 38746 08195 38635 29012 33354
92898 91882 91230 39305 96413 20746 62764 38215 47091 91588
76229 98378 85399 71278 96723 61625 75579 63880 34743 08293
04375

Attention, rpt msg, out

13873 kHz, 09-08, 1045 UTC

579/34 Attention

55365 59404 95693 84622 79608 95883 97223 17344 92985 61139
49711 71433 04608 73166 05137 47415 73578 54414 02610 54036
52754 95160 63399 22629 63859 67659 19146 42631 94633 71163
50899 93168 32464 76957

Attention, rpt msg, out

8088 kHz, 11-08, 1730 UTC

410/31 Attention

24804 05400 65267 71753 13702 89210 70645 02982 20976 38459
79804 70754 79918 50484 96504 86950 62120 97692 98132 51899
66619 92716 52788 54570 95654 67132 02937 79787 39608 27871
30490

Attention, rpt msg, out

8530 kHz, 12-08, 2000 UTC

579/34 Attention

55365 59404 95693 84622 79608 95883 97223 17344 92985 61139
49711 71433 04608 73166 05137 47415 73578 54414 02610 55036
52754 95160 63399 22629 63859 67659 19146 42631 94633 71163
50899 93168 32464 76957

Attention, rpt msg, out

7984 kHz, 13-08, 1730 UTC

404/39 Attention

70456 49647 11127 26279 79657 30702 26829 15368 47665 33981
17264 30201 58693 06811 66698 87630 38446 46990 59164 62951
36963 52881 34687 41834 18964 04551 49668 18469 48518 41750
98480 61211 81333 18867 99892 26163 48216 86392 50308

Attention, rpt msg, out

17120 kHz, 14-08, 0730 UTC

353/32 Attention

35544 12591 71704 45323 31528 67527 21014 11477 80631 27968
76003 60088 21126 18571 74195 12542 62613 52207 72647 11859
96948 58988 91749 29580 81071 43635 04393 69607 58936 89684
18018 23607

Attention, rpt msg, out

6807 kHz, 15-08/18-08, 0820 UTC

439/38 Attention

23439 03985 38399 87745 83742 20923 29132 66124 72884 90074
49854 97961 63513 69839 42298 99500 48346 30042 29689 92002
74746 03198 36127 08423 02233 35652 39627 93561 35094 07019
48368 26007 70493 53537 15133 25401 59791 72206

Attention, rpt msg, out

13427 kHz, 15-08/17-08 UTC

537/34 Attention

72882 37398 33748 38520 39358 78559 52976 38458 53198 99195
21008 36798 97232 51983 40518 14813 04790 89771 81728 06669
11900 01097 47000 11466 69320 91797 50356 31232 48512 63886
37182 82401 37132 74704

Attention, rpt msg, out

10302 kHz, 16-08/17-08, 1205 UTC

464/38 Attention

94655 77389 93350 21260 37259 54391 40915 98830 19718 51482
56839 55886 68931 95087 22007 15257 93481 28017 02078 20463
48050 53756 52911 31099 00424 45003 42012 49966 29533 04303
32799 52051 74667 32404 66046 82403 59923 06394

Attention, rpt msg, out

9052 kHz, 16-08/18-08, 1450 UTC

442/35 Attention

56653 94895 80288 04818 15531 90996 44774 82094 81085 00123
16112 40783 92280 42478 01465 13527 81346 96694 41559 70299
58835 07967 94767 44576 20862 25405 58874 37274 05077 54817
92542 83781 67704 36524 60121

Attention, rpt msg, out

11581 kHz, 16-08/18-08, 1925 UTC

521/40 Attention

92681 22623 17306 34185 49779 24759 83427 42918 41360 57877
87334 72809 40432 07908 18878 13731 22701 03098 37798 81878
49928 83617 63872 85667 70260 05990 97662 66154 54717 55500
72984 58443 45510 77228 57677 91191 27470 58579 12712 92713

Attention, rpt msg, out

14975 kHz, 21-08, 0805 UTC

319/39 Attention

29416 16038 88688 81149 22701 67989 97411 63708 47307 82519
25980 33967 39257 63077 48646 35761 07766 51606 94465 79605
98123 76469 93895 59139 60211 11742 88467 39014 32060 47702
34399 28190 51439 07713 83330 80639 94243 12571 13959

Attention, rpt msg, out

7600 kHz, 22-08/25-08, 0530 UTC

648/40 Attention

81274 41351 54854 81077 02824 47196 95245 92274 01995 21603
93666 88450 88852 22790 09438 94486 51828 62449 15581 60455
21723 56975 69904 33266 03604 20567 13602 24202 06867 35481
85474 14149 07010 04763 33609 77331 53596 30885 88697 57119

Attention, rpt msg, out

15905 kHz, 25-08, 0710 UTC

496/40 Attention

43623 32331 53051 17650 85864 63870 17548 60394 84264 15494
64202 15029 22900 80953 39002 88440 30546 08155 77479 51457
03387 81571 41431 95966 82692 14436 39354 95772 57707 02313
01859 46247 90880 18099 86806 63956 10629 75576 01553 48779

Attention, rpt msg, out

15632 kHz, 25-08, 0745 UTC

334/34 Attention

25743 09108 74010 67982 55658 64958 64438 63165 06973 77241
53064 73241 20751 61895 17755 56405 43200 57192 18124 75222
50850 06200 35421 80366 56085 68628 86920 63790 68620 80895
83536 47694 76003 21086

Attention, rpt msg, out

11581 kHz, 25-08/27-08, 1300 UTC

589/38 Attention

53908 37302 81098 29980 16588 74685 49295 92958 91307 08614
39771 10978 95520 05877 95445 34212 74527 84963 23092 82161
28549 39020 25643 44015 81942 11079 42453 70343 84748 70418
26787 08181 05163 19632 38688 84473 73010 95502

Attention, rpt msg, out



E17z

16780/12850 kHz, 04-08, 0800/0810 UTC

674 918 5 63901 65337 63890 84613 73082 918 5 00000

16780/12850 kHz, 18-08/25-08, 0800/0810 UTC

674 201 5 36304 38135 35782 31823 37474 201 5 00000

Test transmissions, copied by qsr711.

7636 kHz, 04-08, 0700 UTC, i.p. Start time: 0645 UTC

... 43400 853 19 00000. Started at 0645 UTC

10240 kHz, 04-08, 1140 UTC

274 538 29

34895 79814 75017 50195 73904 57905 34859 03485 79034 87594

61509 71908 57190 87593 48475 07435 84718 09947 58993 15589

09269 99306 79826 98759 77195 98595 19859 78594 58233

538 29 00000

The transmission started with the regular YL voice, but after some stoppages and test tones, a male live voice replaced her. There was a long break around 1200z, when a regular S06s schedule was transmitted on its normal frequencies. Maybe the operator stopped a moment to control S06s? The session lasted until 1210z.

Recording: <http://priyom.org/media/172994/e17z-10240usb-20160804-1140z-274-byparkeerwacht.ogg>

E25**6140 kHz, 07-08, 1000 UTC**

Windows 7 Logon sound

570 570 570

Message Message Message

2035 4096 6713 7535 7297 3885 9757

Rebeat Rebeat Rebeat

2035 4096 6713 7535 7297 3885 9757

End of Message. End of Transmission

6140 kHz, 07-08, 1008 UTC

570 570 570

Message Message Message

2035 4096 6713 7535 7297 3885 9757

Rebeat Rebeat Rebeat

2035 4096 6713 7535 7297 3885 9757

End of Message. End of Transmission

Note: Breakups in the transmission

6140 kHz, 09-08, 0930 UTC

333 333 333 333 333 333 333 333 333 333 333

Message Message Message

2080 6220 4146 7261 1001 3489 2833 6220

Rebeat Rebeat Rebeat

2080 6220 4146 7261 1001 3489 2833 6220

End of message. End of transmission

Beeps, Windows sounds, short Arabic music after the message

6140 10-08-2016 1237 E25 AM (PW2) Carrier with beeps

Expected schedules

Schedules for September (may not transmit):

Sep 4, 6140 AM, 1000z, ID 570

Sep 6, 6140 AM, 930z, ID 333 (If not, try Sep 13)



E25a

6140 kHz, 04-08, 0744 UTC

255 6 (R3m) Message Message

End of message. End of message. End of transmission



G06

6887 kHz, 11-08, 1830 UTC

842 317 90

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
77878 46766 09098 78643 09548 46677 90906 89898 56566 67677
76748 84848 84877 16891 63781 34820 04842 87874 78788 78888
93296 67423 40968 16891 63781 34820 04842 60491 75924 56784
09548 46677 90906 89898 56566 67677 23445 34344 45454 34344
35787 98273 60187 16202 95625 46565 43434 89798 54546 78788
76748 84848 84877 16891 34567 34820 04842 87874 78788 78888
68768 76876 58746 58764 87564 85764 87567 64848 85748 84784
317 90 00000

5943 kHz, 12-08, 1930 UTC

218 317 90

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
77878 46766 09098 78643 09548 46677 90906 89898 56566 67677
76748 84848 84877 16891 63781 34820 04842 87874 78788 78888
93296 67423 40968 16891 63781 34820 04842 60491 75924 56784
09548 46677 90906 89898 56566 67677 23445 34344 45454 34344
35787 98273 60187 16202 95625 46565 43434 89798 54546 78788
76748 84848 84877 16891 34567 34820 04842 87874 78788 78888
68768 76876 58746 58764 87564 85764 87567 64848 85748 84784
317 90 00000

6887 kHz, 25-08, 1830 UTC

842 272 20

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
272 20 0000

5943 kHz, 26-08, 1930 UTC

218 569 63

16259 22666 32582 32782 67723 84294 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
57878 87897 79879 99990 98878 89889 87879 56787 09000 76578
87878 89899 89890 98798 65656 54545 56566 56578 87876 99877
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
87878 89898 89890 98798 65656 54545 56566 56578 87876 99877
32333 73433 54575
569 63 00000



S06

16327/13875 kHz, 04-08, 0830/0930 UTC

842 510 47
88077 26369 52275 02453 68265 04176 62280 93226 13495 84538
23352 35809 17030 78476 89097 18555 69576 78363 90605 17998
34034 75429 42689 76534 39093 71495 21322 83384 52614 89635
35704 28662 20737 14459 43389 72770 83646 09673 81922 98329
03933 13668 15415 36807 68488 82740 19497
510 47 00000

10204/8058 kHz, 05-08/06-08, 1900/2000 UTC

761 502 39
44317 96204 21487 10639 64678 92087 77490 47583 13698 61606
99276 89922 60388 28777 95081 52021 45949 49566 70555 02235
68548 31922 61493 62677 04270 49197 31043 35083 82580 00418
97156 89377 40365 38434 40866 87367 68204 70591 98220
502 39 00000

15721 kHz, 15-08, 0400 UTC

480 173 60
13330 96525 52375 01498 74164 86055 79839 03034 28591 20345
04142 99283 35769 47111 98517 04640 83752 62076 93794 09353
79332 51903 61835 40485 71563 05590 41263 34291 32423 11512
91410 49715 43034 82294 85430 77687 58893 74698 78498 25904
52545 96724 12059 83789 57125 19107 40040 97320 59225 33380
87973 08398 14518 23733 80973 38458 84559 44805 01489 21015
173 60 00000

16327/13875 kHz, 25-08, 0830/0930 UTC

842 769 50
63676 86506 56660 60520 35611 66813 10480 36628 79242 40565
57891 70387 48627 75874 03605 81019 93264 62202 79761 28425
83624 81760 21709 85806 43029 12654 02471 05756 46813 68451
49340 96979 74714 03869 91042 53859 27417 41249 08899 06025
43198 97535 90436 80150 75603 16421 08872 91124 18107 35352
769 50 00000



S06c

8171/7823 kHz, 10-08, 1005/1015 UTC

11625

This particular S06c ID always starts at hh05 on 8171 kHz, and at hh15 on 7823 kHz. But different transmission hours have been noted.



S906q

10755 kHz, 12-08, 1730 UTC. Test transmission, errors and breaks

975 46830 (R4) 120 37

64723 48167 16284 11178 81345 56405 06433 23407 33418 88878

16749 51760 44099 12134 08758 22782 15706 60785 45638 77924

58323 74297 44901 80706 44291 63166 78047 58712 37003 46682

28123 35160 67464 29460 41133 29699 57043

120 37 00000



S06s

Unscheduled transmission, a test?

9157 kHz, 30-08, 1825 UTC LSB (they usually transmit in AM or USB)

329 926 21

88466 70178 42194 30124 41264 02462 83412 38751 30444 54829

51191 63175 32121 41610 35388 77345 47552 75437 32284 35966

97698

926 21 00000

Several other transmissions in LSB have been noted.



S11a

16530 kHz, 08-08/11-08, 1015 UTC

472/40 Vnimanije

57429 02958 64188 24886 16417 36991 85041 11865 58719 55083

08612 71697 30568 02961 22194 58185 31257 27694 17754 23084

28152 99299 02246 02616 65822 91064 39597 56511 04547 14679

53838 05778 37362 83863 15761 82786 96955 27522 23840 25240

Vnimanije, rpt msg, konets

5149 kHz, 09-08/12-08, 0455 UTC

328/38 Vnimanije

74861 16971 03399 06098 03896 78017 17336 86553 68002 06212

75813 91290 55978 78343 68305 02504 33922 24980 73212 91622

45182 18441 06361 67977 62558 10647 86609 00092 11908 07330

29215 48385 28833 70426 69316 36810 04697 65763

Vnimanije, rpt msg, out

8530 kHz, 09-08/12-08, 0915 UTC

480/34 Vnimanije

72982 67223 37018 03643 12419 32070 35593 13015 65883 80709
 55331 14696 52152 99714 95820 95707 21683 30971 31724 81456
 76925 97458 88722 26141 46715 76048 43693 11127 14706 85428
 32353 12614 22587 37654

Vnimanije, rpt msg, konets

11581 kHz, 09-08/12-08, 1020 UTC

426/31 Vnimanije

57426 26313 26726 37726 79661 95791 17203 87103 54861 53279
 63146 67797 70198 32513 31517 51060 44252 35996 18170 68734
 10745 65693 23028 15096 75407 50009 71925 74625 97083 24101
 96360

Vnimanije, rpt msg, konets

4870 kHz, 17-08/19-08, 1955 UTC

370/35 Vnimanije

12096 07262 30984 28346 70016 97765 77212 47965 87811 70476
 95319 99336 61849 57661 55620 73825 10431 30543 53534 16738
 88603 37474 68541 64556 18811 37618 39218 95664 00332 97515
 08342 92278 54981 99975 25667

Vnimanije, rpt msg, konets

**S28 - The Buzzer**

Mode: USB

Frequency: 3216 & 4625 kHz

Date	UTC	Message
1-8	0300	ZhUOZ LYeSOBYeG 7236
1-8	0309	ZhUOZ KRASHONAST 5211 Error at the start
1-8	0659	ZhUOZ AL'TOSTYeK 2807
1-8	0826	ZhUOZ 95715 AVTOGYeNNYJ 93993945 VATAZhNIK 72723084
1-8	1057	ZhUOZ 56307 GRYeChANKA 24345573
1-8	1103	ZhUOZ 43295 AZOTOSAD 17608868
9-8	0932	ZhUOZ 48507 LIKOTROP 87149689
9-8	1001	ZhUOZ 63783 VYVOD 47723520
9-8	1003	ZhUOZ 88097 BLUDOSTOG 93813130
9-8	1005	ZhUOZ 97914 KOFROKRUP 84342480
9-8	1016	ZhUOZ 12282 ZAMORYSh 22860100
9-8	1023	ZhUOZ 29145 AVTOGONShchIK 21107469
9-8	1038	ZhUOZ 81689 VYeSOShPON 07092918
9-8	1103	ZhUOZ 95121 BLYeFOMYeNT 71326500
9-8	1116	ZhUOZ 99516 IZVYeSTIYe 06155894
9-8	1131	ZhUOZ 23679 KUMOSHIT 78889426
9-8	1201	ZhUOZ 32613 GRUZOShU 09326119 GAZOKAMYeRA 68727544
9-8	1331	ZhUOZ 47216 GORODYeCKIJ 12529433
15-8	0814	ZhUOZ 73095 GRADOTAJM 38337332
15-8	0846	ZhUOZ 79517 GLAZORUR 57593222
15-8	1030	ZhUOZ 45027 BOBKOVYJ 29148945
15-8	1141	ZhUOZ 27574 VYeRBOVOChNYJ 43319758
16-8	0837	ZhUOZ 62631 KARAKOVYJ 43698520 KONOMAJYa 11173676 VOLGAR' 47593107

Date	UTC	Message
16-8	0853	ZhUOZ 09316 GRACOSYN 99682747
16-8	0915	ZhUOZ 81742 ARNIKA 56045596
16-8	0957	ZhUOZ 22516 ARTRIT 87573852
22-8	0446	Buzzer //4625 kHz



S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

Freq	Date	UTC	Message
3756	15-8	0238	8S1Shch STALAGMIT 2357 IZVYeSTIYe 7645 Count before the message, time mark after the message
3756	15-8	0259	TUZR ALYeNKA 4086 GORBOLYeS 6979 Time mark after the message
3756	19-8	1809	Dlia message
3756	24-8	1838	Dlia message



V15

Via Radio Pyongyang

V15 seems to have a schedule now on Thursdays at 1615 UTC on Radio Pyongyang frequencies 3250, 3320, 6400 kHz.

3320 kHz, 28-07, 1617 UTC
3320 kHz, 11-08, 1615 UTC
3250 kHz, 11-08, 1615 UTC
3320 kHz, 25-08, 1615 UTC



Ministry of State Security

국가안전보위부

V15 was revived in July and are transmitted via Radio Pyongyang or The Voice of Korea as they call themselves nowadays.



V24

V15's counterpart in South Korea is also still alive and kicking. Bclman posted several recent and not so recent V24 messages. As the messages are in Korean we're glad that translated them. Thanks for that.

6215 kHz, 05-06, 1500 UTC, AM

Note: actually 62 groups were sent, not 57

1094-ho, 57 GROUPS
27031 15181 18209 08885 49910 89011 59859 43928 49870 34149
69486 74054 76940 21881 39868 43098 69365 47632 54604 80069
14992 19310 58136 08704 80069 14992 19310 58136 08704 47142
64191 88811 02701 87285 04342 53848 64860 02369 06704 46500
59139 39126 49359 04960 09942 84427 30694 37924 70053 47999
13759 84683 76887 79864 08715 20765 99755 60604 47099 06610
07064 36512

6310 kHz, 03-07, 1530 UTC, AM

3890-ho, 43 GROUPS

20525 88321 10190 76299 45147 44395 55207 08937 40031 12903
 54638 86023 39896 73281 93671 29318 73800 26521 39494 52781
 56221 81462 80003 66219 45972 25455 86282 28847 30520 29020
 35355 78342 00883 97108 25662 48246 25986 19878 49234 24821
 14440 93212 93907

5900 kHz, 22-07, 1600 UTC, AM

Note: Same message as 3890-ho in July

2693-ho, 43 GROUPS

20525 88321 10190 76299 45147 44395 55207 08937 40031 12903
 54638 86023 39896 73281 93671 29318 73800 26521 39494 52781
 56221 81462 80003 66219 45972 25455 86282 28847 30520 29020
 35355 78342 00883 97108 25662 48246 25986 19878 49234 24821
 14440 93212 93907

5290 kHz, 03-07, 1430 UTC, AM

1973-ho, 46 GROUPS

23545 05238 21971 08629 54002 25901 49006 62914 79721 74278
 00869 04469 03091 19870 46397 58932 77829 63306 71245 85447
 42964 08760 64688 44711 17108 54064 29231 75108 90268 04429
 32476 35670 77996 68832 18310 67215 11043 93217 52980 01621
 34395 25702 76014 12356 60934 59520

5290 kHz, 03-08, 1430 UTC, AM

1973-ho, 29 GROUPS

87005 08538 62685 15600 43725 54917 47872 68517 60054 20454
 99388 81950 28451 03682 43653 95928 40013 88336 88196 02144
 05339 42761 32511 46595 47872 27912 67124 59747 82579

5290 kHz, 13-08, 1430 UTC, AM

1973-ho, 46 GROUPS

23545 05238 21971 08629 54002 25901 49006 62914 79721 74278
 00869 04469 03091 19870 46397 58932 77829 63306 71245 85447
 42964 08760 64688 44711 17108 54064 29231 75108 90268 04429
 32476 35670 77996 68832 18310 67215 11043 93217 52980 01621
 34395 25702 76014 12356 60934 59520

Note: Normally, it should be the re-broadcast of the message sent on 03-08 but it was a repeat of the message sent on 03-07

V28

North Korean numbers stations V28 is almost certain a military station. Most likely run by the Reconnaissance Bureau of the General Staff Department 일반 직원 부의 정찰국

3279 kHz, 23-08, 1230 UTC

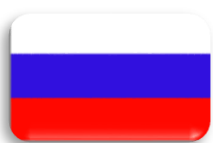
3277 kHz, 23-08, 1657 UTC

3277 kHz, 24-08, 1331 UTC

2979.6 kHz, 25-08, 1332 UTC

Note: the signal is quite unstable and often drifting

MORSE STATIONS



M01

5280 kHz, 25-08, 1800 UTC

025 147 30 =

35406 46414 82179 47872 89329 77920 22236 49439 30070 46579

57436 83463 96307 09816 90764 69095 79977 71748 84214 07992

45631 50850 35690 59688 88766 41084 47951 29573 71772 59313

= 147 30 000

4905 kHz, 25-08, 2000 UTC

025 348 30 =

24751 49218 75579 73582 69423 51518 24922 72577 59163 99696

71619 41857 51374 48014 10210 93523 99678 11684 42975 61514

08022 21435 20334 62410 01939 77784 76640 52988 16240 07744

= 348 30 000



M01a

M01a seems to run on a regular schedule again. For the moment, only one has been found on Thursday between 0700 and 0710 UTC, 9175 kHz, CW, ID 146. No repeats found. (info: qsr711)

3040.2 kHz, 15-08, 2105 UTC, i.p.

_9892 89892

575 575 575 (?)

982 982 982

571 571 571

982 982 982

571 571 571

98328 98328

571 571 571

98328 98328

571 571 571

98328 98328



M01b

5095//5760 kHz, 25-08, 1832 UTC

815 903 31 =
 76774 67655 44633 94944 90479 20831 77160 53167 84179 70327
 44403 32114 54070 21377 59285 19313 35813 32398 51045 25295
 88879 34694 59642 48998 43145 60337 36556 69979 62054 57816
 51536 =
 903 31 000

5065//5805 kHz, 25-08, 1942 UTC

936 903 31 =
 76774 67655 44633 94944 90479 20831 77160 53167 84179 70327
 44403 32114 54070 21377 59285 19313 35813 32398 51045 25295
 88879 34694 59642 48998 43145 60337 36556 69979 62054 57816
 51536 =
 903 31 000



M12

12205/13559/14728 kHz, 01-08, 1100/1120/1140 UTC

973 973 973 1 (R) 427 41 427 41
 80511 84930 68132 44373 49825 24498 75674 36281 90762 89509
 63484 10774 22679 68328 61866 94649 55152 07480 49177 93689
 46245 59803 90113 74788 68401 47459 60440 66999 58070 90618
 57571 45324 46029 26310 66808 99500 21755 75817 84170 43101
 58051
 000 000

8053/9178/10287 kHz, 02-08, 0800/0820/0840 UTC

816 816 816 1 (R) 8379 51 8379 51
 69755 80676 17216 28552 16250 82975 91090 67802 13012 21547
 44045 03543 04615 72352 00365 14414 30086 73875 22681 16704
 86758 20363 63258 62903 29240 35410 07309 47270 31118 96178
 74331 88949 62498 35279 54520 35832 42601 52725 27374 76787
 92916 52065 64988 86674 89849 07905 39936 51456 20120 16675
 48238
 000 000

15983/14683/13383 kHz, 03-08, 1400/1420/1440 UTC

963 963 963 1 (R) 4994 73 4994 73
 76774 41763 29134 34810 57765 31345 67165 84682 12168 73179
 50878 08625 46322 86407 36798 98918 06387 27955 10662 47477
 80462 53609 41211 64267 63403 02830 36012 70205 80674 90846
 52215 17318 62914 98225 97435 04699 21851 11798 51896 81836
 03234 29050 92703 05234 11427 74009 17103 64012 21840 56179
 79920 96382 14593 40230 33873 67448 20463 50541 65279 39822
 09252 59726 52844 59034 70466 91110 67159 44304 35993 39569
 78578 87593 18517
 000 000

8053/9178/10287 kHz, 09-08, 0800/0820/0840 UTC

816 816 816 1 (R) 9043 63 9043 63
04890 69902 60319 21106 20349 05940 77528 90970 92893 97999
93107 51286 70187 67687 66195 52397 85183 09463 33544 64095
36412 12162 80200 26796 14827 76249 22196 14431 76588 04530
40063 86355 80564 64445 94839 74521 58385 36228 25030 79548
62020 66977 09867 65564 59198 78446 81133 53721 29629 59918
16180 16099 46252 27324 64592 22722 46649 39363 82185 14923
66166 07262 47684
000 000

9060 kHz, 09-08, 0940 UTC. Unscheduled transmission

687 1 5413 11
07191 12721 95474 61411 78961 98227 91863 87544 76989 93188
16446
000 000

14468/13568/12178 kHz, 11-08/13-08, 1310/1330/1350 UTC

451 451 451 1 (R) 8579 167 8579 167
66735 71344 59653 06114 69395 29722 81818 63708 75360 27343
06805 06505 91703 55549 52341 32812 97392 55571 51269 21680
58378 56238 46188 27898 93635 82458 50797 33670 67927 83324
07923 24610 20713 62420 52144 94213 81657 75813 95250 19466
14790 66761 24463 86754 82016 35396 03263 86185 81200 05470
70730 55688 73872 45604 81451 85767 21539 66232 72689 42551
30854 98610 86779 27188 07607 49553 11080 24589 88512 93573
00827 64706 37386 00729 28155 80021 81023 56499 64036 96550
29066 48433 84029 86299 75972 53148 99974 53347 50326 12141
23121 17397 40623 94257 47873 31130 71717 81668 68197 87379
31373 72718 67894 79876 38829 39194 90320 95630 48981 40459
43093 16475 74511 73607 72416 57352 86761 39768 40665 90159
90199 36372 62688 90379 04139 58085 01785 65446 32321 15489
44810 84555 04434 64310 61294 10267 66722 29297 32893 22862
30135 59165 62416 04134 39137 33512 43203 68124 21562 03388
89301 01236 83131 82279 77768 35188 59725 28513 91056 44924
04749 34332 00052 12851 95156 77823 92685
000 000

9167/10267/11267 kHz, 13-08, 0500/0520/0540 UTC

125 125 125 1 (R) 3749 101 3749 101
77928 36083 90092 78114 81688 14712 70236 98769 53945 77242
62478 21728 94319 65442 96331 45094 74713 75283 94002 27812
83494 21593 30424 37597 38972 01552 51084 73878 45819 99343
51174 13312 42175 33628 47612 09539 33539 18737 85425 20609
23689 80633 47541 07041 79488 29277 64741 60201 88860 00173
29117 27931 10235 79592 10761 62565 13044 98663 30093 21407
98553 62941 33123 66041 53593 65976 66595 01060 89282 57833
68471 38463 65248 64707 13472 69583 93256 08101 34061 75716
78568 43318 53784 39175 92171 57952 71622 86668 47021 05508
13043 31943 88372 14835 91237 00661 56935 32631 66544 17516
40783
000 000

15983/14683/13383 kHz, 15-08, 1400/1420/1440 UTC

963 963 963 1 (R) 311 85 311 85
62185 12721 62100 32971 19368 90367 84103 63137 61123 84757
51586 52995 06092 41041 93274 06812 29545 27377 23067 78147
58274 36579 65588 03903 00449 24988 80158 40205 89363 58364
49459 46070 07104 23768 97146 56682 70752 74392 47220 88648
26569 88409 53207 95294 09872 90445 70629 74335 06062 34156
07123 40228 54042 66430 81619 61242 20677 86076 65814 90913
68963 82426 28344 70214 26867 68083 64154 19002 23611 27461
20751 71313 24760 24672 69043 99816 26352 63239 04567 68173
96139 22674 83352 83636 45665
000 000

8053 kHz, 16-08, 0800 UTC

816 816 816 1 (R) 9483 61 9483 61
29390 82066 42371 56988 93210 44405 20553 49970 74337 26403
86247 95428 93897 64065 81889 64856 75558 30866 01471 99534
39890 46165 59798 76611 96494 91010 91998 29172 51507 10874
15768 76436 84441 76542 43144 38751 06496 75018 78620 89896
94418 42375 31509 38710 08560 65358 05090 04361 47353 67632
84832 31674 38639 70052 74916 69363 60820 02513 52194 62979
03589
000 000

14468/13568/12178 kHz, 25-08/27-08, 1310/1330/1350 UTC

451 451 451 1 (R) 2201 149 2201 149
10736 94141 34532 58073 33553 12945 17611 09514 40608 22221
69407 09954 97139 97863 54243 89266 28126 91806 13428 19113
61544 66662 59309 11105 99586 77740 11316 26418 64143 12025
93560 94202 21189 24641 58491 05828 65366 09787 40365 79939
68427 70214 47056 74894 42039 96681 77550 12680 16633 01267
19183 20292 19420 61406 27791 28699 35378 29040 66653 03116
97055 49125 58375 60781 49456 57580 34730 91872 11972 52569
83037 26125 80457 75903 83317 43362 68117 02715 54406 37614
10002 09482 30395 95460 89508 38283 91814 40395 67260 50730
95364 52451 16232 27525 47035 58147 46148 27700 85247 84946
31548 47657 02901 82450 59722 17798 84495 30444 73066 29267
89142 89050 10641 20864 94086 08066 04620 78367 11534 23231
97491 43154 90996 27443 03418 83791 76040 88419 77645 01667
74854 25444 95266 80318 68472 48483 94696 16145 37415 23932
97178 40223 10161 99001 60914 49171 29882 23756 91870
000 000

10343/9264/8116 kHz, 26-08, 1200/1220/1240 UTC

124 124 124 1 (R) 6223 61 6223 61
90352 92076 40659 93285 37811 99480 14018 79172 67948 09916
53421 56259 99652 20662 49448 33986 65635 67686 54255 38734
87603 03909 28032 75781 20845 31843 64619 58966 86753 96378
78328 60973 28420 23190 19504 70580 49737 99379 60078 44560
73693 82898 00886 06227 50317 86605 06570 87003 50516 79825
91268 62865 42452 31465 51120 77773 23295 44772 70578 99144
36143
000 000

9167/10267/11267 kHz, 27-08, 0500/0520/0540 UTC

125 125 125 1 (R) 6983 91 6983 91
18224 62946 71138 04388 96797 89966 76897 47159 36652 24690
80686 60029 31579 19322 93675 90572 60454 99927 09562 66532
87233 88672 22838 15388 00595 89795 69399 70734 99488 91038
33154 09261 41044 69822 98213 44237 21540 41379 00548 48028
43509 39423 01067 62438 11652 89557 65817 63041 47612 81890
63546 98196 68490 76588 21523 46033 61710 23505 92763 91211
61833 29060 07068 55026 65361 62107 04777 90313 63863 54173
84791 80192 94108 71629 35332 31266 11720 50550 08928 58689
01933 11304 55507 97469 27511 49931 57802 87205 75816 08968
77268
000 000



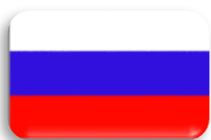
M14

18041 kHz, 15-08, 0500 UTC

952 617 617 50 50 = =
37950 24824 30487 28386 56360 66384 81052 71117 99895 35295
91048 94692 17673 83360 25624 30496 69815 02192 72785 43342
79303 76201 77132 43900 12831 80621 98688 26598 89092 16727
57767 37708 37967 01452 51814 03297 58999 53594 55153 71722
52646 43777 37588 50372 22715 00384 62780 41325 73423 88624
= = 617 617 50 50 0000

5938 kHz, 24-08, 1920 UTC

417 518 86
32498 53900 12865 21208 51810 31717 42954 41665 86113 42421
98900 84532 42814 26690 00343 51926 33664 76712 81624 58500
54119 10200 37901 42338 15271 63498 61772 54718 32991 84721
36519 48264 33876 29237 50630 53732 11737 34890 24351 27136
54373 29890 80740 30012 45123 54819 90601 25934 27579 41734
53890 72189 41612 91078 01276 53890 03048 42518 53900 02561
53718 59341 47816 89162 73349 64172 45161 83901 01561 73282
52400 71098 58512 63901 02074 64570 29078 80829 52727 86241
53712 63490 82310 20943 57286 61220
518 86 00000



M21 + variants
Russian Air Defence Forces
Во́йска ПВО Voyska PVO

4969 kHz, 06-08, 1941 UTC	=992242??8????? =992243??8?????
5128 kHz, 06-08, 1945 UTC	=992245??8????? =992246??8?????
5221.5 kHz, 06-08, 1950 UTC	=992250??0????? =992251??0?????
3691 kHz, 17-08, 1823 UTC	=992122??0????? =992123??0?????
7249 kHz, 18-08, 0411 UTC	=9907110?????
3691 kHz, 22-08, 1645 UTC	--91952??0?????



M89 - Chinese military

6636 kHz, 07-08, 1326 UTC, i.p.

TU64 N7TU T7A5 N533 N354 TD54 TTT5 (cont'd)
= = = = N566 NA7U N4DU DA4. N6D5 IIII T63U6 7N44 7ATA N373 T6U6 (Cont'd) AR
DP91 DP91 DP921 DP91
DP91 DP921
DP921 DP91 CD K
DP921 DP921 CL K
DP92 DP921 R DP921 DP91 QSA 3 U ?
DP91 DP921
DP91 DP921 DA9NTITIT

6639 kHz, 07-08, 1420 UTC, i.p.

QSA 1 U QSY 28 K
VV X2AS DE ABV4 K
R QSA 2 QSA ? K (Other station not on this frequency
IEC BT KUY4 AR K
R R GA K
R HR 7G GA K
7G NR 121 CK 91 55 0807 2120 RMKS 0028 TO 523. =
454D 67D3 4U3D 733D 5ATU DT3U 5U5N 7DAT TUUN TTTU K
R 11W =
76A7 T664 (Cont'd)

5555 kHz, 09-08, 1032 UTC

MSG NR 01 CK 35 65 0809 1215 RMKS 8718 TO 5473 K
BT DT64 7DAU U34D ADN7 4 AR K
R R SK SB

6636 kHz, 09-08, 1547 UTC

R QSL 2249
QSL 2249
HR MS H MSG CY
OK GA (Other station also on this frequency but very weak)
FFFF NR Z010 0809 2251 W
RPT ... K (Sends letter O for Zero)
FFFF NR Z010 0809 2251 W
..Q
= = = CXN6/WJXJ/OO36/48JQ/DP91 AR W W
NPT S..
= = = CXN6/WJXJ/OO36/48JQ/DP91 AR W W
R Q... = = = 48JQ/DP91 AR W
QSL 225. K
OK 6L ...

6636 kHz, 10-08, 1403 UTC

RPT
ART RPT
QSA 2 QSA ?
SS V V V V V SG
V T V V V V DL70 II
DE DP70..
VVV
MSG GA

TMF MSG MSG MSG
NR 03K 0810 2208
FFF BT NR 56/47BQR/WWX3 F AR W
RPT RPT
RPT ALL
R
MSG MSG MSG
03K 0810 22AT
FFF BT NR5B/47BQRIEEEE 47BQR/WWX3/AR W
A HR S .. K
NR
TC NR /P TRPT NR =
03K 08A2 2208 AR W
RPT TC
NR RPT
AS RPT 2006 PBL TC NR
QSB ..
V DP7091 DP91 CL K
RPT NR
VVV DP7091 DP7091 DE DP91 C5
GA GA
VVV GA
RPT NR
VVV DP7091 DP7091 DE DP9
RPT NR

5555 kHz, 15-08, 0805 UTC

AR
VVV MSG NR 600 ... 09.
MSG NR 600 7. EEEE CK 19 54 0510 UAA. EEEE AR CQ = =
A3U4
BT A3U4 5T67 N..D N4D. (Cont'd)
AR
VVV MSG
47 KK
VVV MSG NR 0062 CK 98 .4 03.. AN35
99 .. 4 MSG 00X =
VVV MSG NR 0062 98 640221 R S
VVV MSG NR 0062 CK 98 ..40 221AN3. RMKS 1
RMKS 2176 TO 3645
= DTD. RMKS
NR 0638 CK 169 54 .500 U.Z RMKS 4673 TO 6.65
VVV VVV VVV MSG NR 2157 CK 49 13 0815 .16U
VVV 7G
VVV MSG
NR 1X A
VVV MSG NR 1428 CK 09 26 0816 1704 RMKS CQ = =
75UA 5TU7 3NU6 6T74 35TN N...
VVV VVV 7G
NR 2091 CK .. 73 081. 0 RMKS CQ = =
TA7T 4645 ND46 5I7A 46UD A3TD =
VVV VVV MSG 210
VVV MSG NR 2009 CK 07 73 0817 RMKS CQ = =
AN5U A6T7 ND46 537A 46UD A746 UD74 AR K K
VVV VVV MSG
NR 3105 CK 08 74 06U5 05. RMKS CQ =
A3.. 5T67 67AD N4.. 54.A D43T 4NDT D6.. AR
VVV VVV MSG
NR 2001 CK .. 073 0541 55555555
VVV 7G GA K K

VVV 7G NR 0010 CK 399 09 0815 1930 RMKS CQ = =
 7G NR 1109
 VVV VVV MSG
 NR 1469 CK 04 47 0916 UAT5 RMKS CQ
 VVV MSG
 NR 9641 CK 40 73 0169 RM
 VVV MSG
 NR 9641 CK 40 73 0619 UAT5 RMKS CQ
 RMKS RMKS RMKS RMKS
 VVV MSG NR 6419/C..
 FFFFF FFF/ FFF
 0187
 FFF FFF NW FFF FFF
 NR 1875/TIME ... RMKS CQ = =
 DT = W2K/UIMS = = =
 W2K/U3 = =
 W2K/U4S6 = =
 W2K/U3S AR
 = = U5AW 6
 VVV VVVV MSG NR 2075 500 CK 57 89 1025 A4IM RMKS CQ
 MSG NR 1054 814 DA45 555 555
 VVV VVV MSG NR 3468 0. 99 450706A545 RMKS CQ
 VVV VVV MSG NR 0262 CK 109 28 0815 1601 RMKS CQ =
 7G NR 1909

5555 kHz, 15-08, 1633 UTC

K R HR U AGN HR MSG GA K (Other station not on this frequency)
 R R
 R U F GA K
 R QSL 0037 AR
 AGN QSL 0037 K
 R HR MSG GA K
 MSG NR 001 CK 159 6
 R AGN MSG
 NR 001 CK 159 65 081M AGN
 MSG NR 001 1 AGN MSG
 NR 00A AGN MSG
 NR 001 CK 159 65 0816 0100 RMKS 6736 TO 4816 K
 R =
 434T T5T4 7U4A 7N36 3TU6 5D6A T764 N6T5 TA66 TTA4
 UT6T 357A 75UA T3T4 AND6 7TT4 (Cont'd)
 III = 4545 7DNT UN54 4U5A (Cont'd)
 AR K
 R AS
 VV

5555 kHz, 1508, 2257 UTC

NDN6 4TU4 4ND4 TA6A TTAU 7AUT T764
 AR
 R R 19W = UANT AR K
 R AGN K
 R AE 18W = DN4U DN4U AR K
 R R R R R SK =

5555 kHz, 16-08, 1111 UTC

N7U7 N754 U6AA 3U7D 3UDT
 AR K K
 55 = = = A73N T3 V K
 VVVV
 R R RPT 73W = A47A AR K

R SK SK SK
HR WK NR 100 SK SK

3800 kHz, 22-08, 1615 UTC

NR 90 ...99 51 0823 0000 K
R RPT 1W K
R RPT 1W .5. 75NU K
R RPT 5W K (Cont'd repeat groups)
AGN
R AGN K
R RPT 8W TO 9W = 5D5A TU3T AR K
R RPT 56W K
R RPT 1P 66W K
R RPT 66W NDN4 NDN4 K (Cont'd repeat groups)
R QSL 0027 K
U 7G GA K
R HR MSG GA MSG
NR 096 CK 199 51 0823 0000 =
NUT4 DA35 76D4 A.6T UN37 34A7 NDU5 6T3U 57AN TD46 (Cont'd)
AR QSL ? K
R RPT 1P 2W K
RPT 1P 2W 6N4U 6N4U = (Cont'd repeat groups)
R QSL 00.. K
R HR WK NR 0016 K
WK NR 01270 K
R HR NIL SK
NIL R HR NIL SK



M95

4243//9054 kHz, 09-08, 1147 UTC

V HR MSG TOYR PSE CY
NR 03. CK 1. 35 0809 1526 =
5.. TT TTN 3UD 3A4 456 AR
A HR MSG GA
NR 18 CK 091 35 0809 1550 =
TUT TN3 U63 A4T TU 773 353 U4T (Cont'd) AR
A HR MSG GA
NR 026 CK 15 35 0809 1.00 =
.U. TTN (Cont'd - fading badly) AR AR AR

8073 kHz, 09-08, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0640 CK 40 35 0809 1518 =
TTD N5U TTN N53 TAD N54 7TT TTD 746 4AA
77T DN3 D6N 4AA 77T NAU TU6 773 TU7 773
TUN 773 T3T 773 T3A 773 T3U 773 T33 773
N35 446 DTU 77T 7AD N47 773 35T 747 7U5 AR
MSG AGN NR 0640 CK 40 35 0809 1518 =
TTD N5U TTN N53 TAD N54 7TT TTD 746 4AA (Cont'd) AR
A HR 7G GA
NR 0641 CK 125 35 0809 1557 =
TTN 3U6 3AN 3U7 TAU 773 TA7 773 353 374 4A4 (Cont'd)

4243//9054 kHz, 19-08, 1151 UTC

VVV HR MSG TOYR PSE CY
HR MSG TOYR PSE CY
NR 057 CK 28 4
NR 057 CK 28 35 0819 1510 =
5TD UTT TAN 3U6 7TA N44 3A4 354 365 4T7
N3D 4T5 U7U N4A 445 3DA N3D 446 3DU TTU
TT3 773 446 3D3 N3D 446 3D4 4D3 AR
A HR MSG GA
NR 38 CK 108 35 0819 1602 =
UTU TA7 (Cont'd) AR
A HR MSG GA
NR 056 CK 33 35 0819 1645 =
UT5 T.N 3U6 3A4 TTA TTU TT3 (Cont'd) AR (1209z)
A HU
U ANS B WK

5555 kHz, 19-08, 1116 UTC

MSG NR ../CCK 45 11 0817 1400 RMKS CQ
..YZ.. YZ E3YZ DE 3AHU 3AHU
DE OGZ1 QSA 2 HR QSA 2
IEC BT 668.. (Exercise related)
1271. C S R EEEEE SR R HR ...
SR NR 66.. S EEEEE
SR 7G GA GA MSG AS NR CK NMKS
MSG NR 01/CCN
MSG 1
MSG NR 01/CCK CK 45 11 081. 1400 RMKS CQ
HR QS..
MSG NR 01/CCK CK 35 11 0817 1400 RMKS CQ
33W 33W II 223
3YZE3YZ E3YZ DE 3AHU 3AHU
DE OGNZ 1 EEEEEEE
HR QSA 2 IEC BT 6684
= 1271 AR
HR NR 66 NR ... HR GA GA
NR 01/CCK CK 35 11 0817 1400 RMKS CQ
BT 74436NN5NN7D TD637 7D5A 6UD3 4NNA T6T6 N54U (Cont'd)
QSL 0817
MSG GA
R GA
MSG NR 01/CCK 35 11 8517 1400 RMKS CQ

5555 kHz, 19-08, 1227 UTC

055 055 055 055 03 =
NA05NA
NR 1029 7G6567UDA4 4657 T
MSG NR ... CK 49 .2 0817 0.93 EEEE 19 2930
VVV
FFF NR
05 05 05 0
SSHS
55 55 = A664 43D3 43DA A57T 7D5T
7GN
NR 267/CCK CK .99 28 0819 2000 SB SB
RMKS 1734 TO 1659 BT
A664 43D3 43DA A57T 7D5T U3T4 4TNU 64U6 TTTT ATTT (Cont'd)
AR QSL ? K

05 E
 3AU34567D76
 7G NR 99123/EX /EK /EA SB SB SB SB SB SB SB SB
 VV UISSHUI ? K
 54U3 UAU3 4569 9
 01235676/EX
 TU34567DNT
 QWERTY
 UIOP
 ASDFGH
 JKZXC BNM
 VVV VVV VVV
 5 VVV VVV
 UISSB UISSB NIZ NZ GM SB SB SB SB SB SB SB
 DABE SSH
 DIESH901W 345EEE U34567D. K
 VV K K
 VV UIS STN ?
 76
 VV BT BT BT
 ..364NS UUUWKNR UNR U NR GA K
 VVV VVVV VVV QSA 3 K
 QSA 3 K
 VVV SB SB
 SR QSA 3 K
 V R O5
 VV SB SB HR QHF 555
 GA GA GA
 U? UNR? U NR ?
 U NR GA U WK NR K
 SB SB
 T1U34567DN
 013S
 0534 AU34 567D NT AR
 QWERTYUIOPASDFGHJKLZXCVBNM AR
 BT BT 57NU ADN5 3N7A 64D7 5UD6 NA6. T356 65A6 75DT AD46 AR K
 4444 151 4151 4151 4151 4151 4151 4151 4151 4151
 145A 415A 4A5A 4A5A 4A5A S TN

5555 kHz, 9-08, 1737 UTC

NA43 .4TA 5U3A 35DT DNT3 A4T6
 III III III III III III III III III III
 . 6A7 T3D5 7AT4 5DA6 U6.D
 46A7 T3D5 7AT4 5DA6 U63D 7
 = = =

8073 kHz, 19-08, 1139 UTC

V BNGC (x3) DE XSV85 (x2)
 HR MSG GA
 NR 0696 CK 172 35 0819 1514 =
 TAN 3U6 3AN 3U7 TAU 773 TA7 773 TU5 773 353 37U (Cont'd)

7582 kHz, 29-08, 0803 UTC, i.p.

05 05 =
 NNNT U46N 7DDT 5..6U 47A
 KOOT..
 00000 .D
 5085 .. BT CC U46N 7DDT
 VVV

8073 kHz, 31-08, 1140 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0722 CK 267 35 0831 1531 = =

T3A 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773

TAN 773 TU3 773 353 373 4AA NN3 445 (Cont'd)

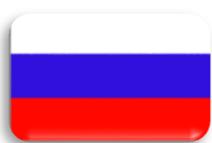
4243//9054 kHz, 31-08, 1151 UTC

V HW MSG TOYR PSE CY

NR 62 CK 187 35 0831 1458 =

UTU T3A 3U6 3A4 7TU 7TA NU6 736 73A 7UT

TTU 773 354 373 4A5 34U N3D (Cont'd)

DIGITAL MODES**HM02**

Modes:

FSK-19.8Bd/129Hz and FSK-CW

7351 kHz, 01-08, 0430 UTC

912 58 =

80278 32241 23181 35532 81625 14434 47387 11803 32803 54015

05620 61082 40165 44752 27507 34785 51263 44245 16137 04272

83831 38557 31204 72730 51310 00215 33540 65815 34371 46625

47881 50720 54287 60552 08467 76085 17431 32614 85576 71384

54377 43673 07373 56586 67850 16233 35261 16815 63478 67725

64246 06884 52438 58311 18257 17786 07263 32133 =

912 58 912 58 = repeats message = 912 58 000

7351 kHz, 02-08, 0432 UTC

985 43 =

09733 64247 02170 67706 37755 39187 61671 13393 63308 02943

46867 50941 34821 61714 60112 82985 94905 51935 98627 34092

92936 05454 20448 58337 50194 84945 21473 56342 49855 23568

11996 74331 71727 12134 56437 43143 10286 79244 30086 65930

97621 00071 54878 =

985 43 985 43 = repeats message = 985 43 000

Note: The operator increased the morse speed from group 13 of the first sending.**7351 kHz, 03-08, 0423 UTC**

916 58 =

53714 76041 75452 44754 54647 06442 85520 37662 78243 37756

76418 31154 40613 45215 25345 56254 70225 37118 01432 04765

62481 68320 76110 86781 03481 81466 42813 43430 65410 53212

56288 16183 87153 33122 53578 16205 74613 45831 87246 62681

88512 75504 47477 60248 23664 01583 75841 88644 10304 03857

60102 87154 54212 68442 85316 50228 54444 90654 =

916 58 916 58 = repeats message = 916 58 000

Note: Same message as sent on 30-07 + one additional group at the end

7351 kHz, 04-08, 0441 UTC

452 45 =

09733 64247 02170 67706 37755 39187 61671 13393 63308 02943
46867 50941 34821 61714 60112 82985 94905 51935 98627 34092
92936 05454 20448 58337 50194 84945 21473 56342 49855 23568
11996 74331 71727 12134 56437 48143 10286 79244 30086 65930
97621 00071 54878 45823 45870 =

952 45 452 45 = repeats message = 952 45 000

Note: Same message as 2 August with two extra groups at the end.
Sent 452 45 at the start and 952 45 at the end.

7351 kHz, 05-08, 0430 UTC

249 57 =

43572 86515 34267 85243 64675 77568 01740 45513 72507 08565
76627 04188 75636 82514 25411 61288 68872 41533 23305 53144
76774 73212 07661 18125 05427 04138 02562 26607 00462 21830
15165 70267 66874 86524 84066 71663 44185 77067 88580 86341
02206 67463 22464 47475 18526 07265 56553 55422 44754 33528
24104 42452 02666 50248 36605 66112 25373 =

249 57 249 57 = repeats message = 249 57 000

7351 kHz, 06-08, 0427 UTC

458 63 =

08686 21567 66548 75843 71303 18800 25444 56135 65216 72741
86183 03636 84303 10135 07108 62340 15036 75546 75322 77663
87880 30056 62445 80724 45686 22587 44311 77663 76550 18471
50151 63185 44470 86331 78213 86843 01726 12622 57450 12145
87865 57670 82532 57467 15855 47475 64053 63108 75415 53267
12010 13163 13317 45525 82873 32815 63768 27038 84374 75426
46575 60513 12736 =

458 63 458 63 = repeats message = 458 63 000

07-08: no transmission

7351 kHz, 08-08, 0426 UTC

263 52 =

85951 44942 95275 83101 31170 16899 12293 21322 29692 69384
59243 64507 24334 98756 94693 29401 77040 71210 92760 12550
48038 53571 32057 80349 91651 82712 17430 47659 74466 55869
15153 04390 94920 06929 70158 26234 87952 16212 94048 53121
22189 75670 37817 85534 62482 41508 47328 18275 28697 68685
80645 52752 =

263 52 263 52 = repeats message = 263 52 000

7351 kHz, 09-08, 0430 UTC

268 59 =

87880 30056 62445 80724 45685 22587 44311 76563 76550 18471
08686 21567 66548 75843 71303 18800 25444 56135 65216 72741
50151 63185 44470 86331 78213 86843 01726 12622 57450 12145
86183 03636 84303 10135 07108 62340 15036 75546 75322 77563
87865 57670 82532 57467 15855 47475 64053 63108 75415 53267
12010 13163 13317 45525 82873 32815 63768 27038 84374 =

268 59 268 59 = repeats message = 268 59

Note: Carrier on at 0421 UTC. At 0422 UTC a short burst of idling FSK 50/129
The message is composed of groups from the message of the 6th but in a different sequence.

7351 kHz, 10-08, 0432 UTC

482 49 =

24562 67874 25634 74385 13052 48709 30152 12935 80863 18062
 62667 80390 50685 74457 15635 60684 34735 26767 95677 54890
 47431 76805 20793 10739 84424 28369 14227 55362 79390 25434
 08490 32717 77894 41118 57382 92732 57535 61722 19886 25888
 24904 14671 71867 23398 55992 88598 57093 85807 63290 =

482 49 482 49 = repeats message = 482 49 000

Note: This is messages contains the first 49 groups of the messages sent on 6, 10, 11, 14, 19 and 22 July and the complete message of 21 July.

7351 kHz, 11-08, 0436 UTC

476 53 =

53714 76041 75462 44754 54647 06442 85520 37662 78243 37756
 76418 31154 40613 45215 25345 56254 70225 47118 01432 04765
 62481 68320 76110 86781 03481 81466 42813 43430 65410 53212
 56288 16183 87153 33122 53578 16205 74613 45831 87246 62681
 88512 75504 47477 60248 23664 01583 75841 88644 10304 03857
 60102 87154 54212 =

476 53 476 53 = repeats message = 476 53 000

7351 kHz, 12-08, 0425 UTC

950 52 =

86183 03636 84303 10135 07108 62340 15036 75546 75322 77563
 87880 30056 62445 80724 45686 22587 44311 77663 76550 18471
 50151 63185 44470 86331 78213 86843 01726 12622 57450 12145
 87865 57670 82532 57467 15855 47475 64053 63108 75415 53267
 12010 13163 13317 45525 82873 32815 63768 27038 84374 75426
 46575 60513 =

950 52 950 52 = repeats message = 950 52 000

Note: The message is composed of groups from the message of the 6th but in a different sequence.

7351 kHz, 13-08, 0430 UTC

267 62 =

70356 05556 02472 07785 80646 14503 30441 22581 72451 28672
 25222 38014 45325 37381 43443 11832 41281 33256 55202 48211
 57446 56133 65601 48676 60170 05858 60752 77372 73104 01443
 18236 02372 17617 88671 36781 53512 38158 11177 56450 33257
 54153 27710 68484 73782 34300 55485 63064 63558 14140 41518
 40236 83380 76220 36085 53808 61341 65432 11071 35486 81548
 11376 76011 =

267 62 267 62 = repeats message = 267 62 000

Note: The first 53 groups were also sent on 30-07 and 11-08 (with an additional group)

7351 kHz, 14-08, 0433 UTC

251 54 =

09720 34403 60708 07977 09660 23262 45533 45203 87440 92308
 68636 09389 97607 24971 81634 45133 21886 43902 33046 86654
 50829 80980 24726 24270 60298 05007 35920 47391 12552 24915
 74814 97933 79898 67200 92695 33131 97489 17242 39770 21333
 88599 36210 74234 71210 39886 92770 33623 73257 63220 60902
 14628 49871 39989 02129 =

251 54 251 54 = repeats message = 251 54 000

7351 kHz, 15-08, 0429 UTC

436 56 =

53714 76041 75462 44754 54647 06442 85520 37662 78243 37756
 76418 31154 40613 45215 25345 56254 70225 47118 01432 04765
 62481 68320 76110 86781 03481 81466 42813 43430 65410 53212
 56288 16183 97153 33122 53578 16205 74613 45831 87246 62381
 88512 75504 47477 60248 23664 01583 75841 88644 10304 03857
 60102 87154 54212 34561 76109 43609 =

436 56 436 56 = repeats message = 436 56 000

Note: The first 53 groups were also sent on 30-07 and 11-08**7351 kHz, 16-08, 0425 UTC**

451 53 =

88211 34653 81817 79727 70441 53575 55672 87669 32591 38437
 64047 28221 52779 45557 86795 66879 01128 57180 10211 81585
 13953 47323 09591 56346 65683 11896 59212 79799 68734 69628
 63110 14205 42304 00493 57890 17764 59312 06912 13302 14319
 41839 57571 60929 =

451 43 451 43 = repeats message = 451 43 000

7351 kHz, 17-08, 0428 UTC

279 48 =

38226 09795 80280 52085 43298 64986 31250 78663 97067 43844
 13397 10375 16402 99040 82553 78127 16153 14643 43499 86504
 48946 90210 98410 24018 89709 66532 83845 13668 67556 95749
 41453 48847 97646 49522 18164 27556 68467 31599 65986 09957
 84422 85463 09278 55856 51280 38092 47230 52081 =

279 48 279 48 = repeats message = 279 48 000

7351 kHz, 18-08, 0419 UTC

524 41 =

80898 53131 05535 17822 96345 52656 18500 69290 40941 27370
 82510 57013 72896 81617 85729 23835 38369 84084 41305 60657
 11744 68744 18930 24731 20860 27677 71843 29571 36068 41043
 06453 50490 56635 23694 23016 03420 29528 88663 30788 36845
 55548 =

524 41 524 41 = repeats message = 524 41 000

7351 kHz, 19-08, 0431 UTC

348 45 =

53714 76041 75452 44754 54647 06442 85520 37662 78243 37756
 76418 31154 40613 45215 25345 56254 70225 37118 01432 04765
 62481 68320 76110 86781 03481 81466 42813 43430 65410 53212
 56288 16183 87153 33122 53578 16205 74613 45831 87246 62681
 60102 87154 54212 34561 76109 =

348 45 348 45 = repeats message = 348 45 000

Note: A large part of the message is the same as sent on 3, 11 and 15 Aug.**7351 kHz, 20-08, 0426 UTC**

710 49 =

11262 90438 28239 85758 13122 48955 71033 40253 74056 24895
 82397 94379 46510 19320 69307 65794 24759 94656 00930 03772
 41701 95356 65003 56454 16008 97240 99895 74689 82012 84101
 94067 12057 86604 40244 09601 93207 51936 91984 20758 23102
 93297 05090 85783 99833 33144 23383 20390 47029 62476 =

710 49 710 49 = repeats message = 710 49 000

7351 kHz, 21-08, 0426 UTC

264 58 =

05084 58141 50243 58640 66205 40675 06666 11401 42433 21742
40874 37073 24241 80875 87825 40447 56513 42848 75165 17365
46813 87517 06258 52343 75282 76845 60346 64480 70004 47085
76860 26185 88520 28177 68614 00831 12320 71072 20671 25543
23622 58510 63843 51631 18337 74863 23123 25145 53462 01163
37544 67610 06445 80700 21506 30480 53673 15640 =

264 58 264 58 = repeats message = 264 58 000

22-08: no transmission

7351 kHz, 23-08, 0437 UTC

Sent in FSK 50Bd/129Hz:

40066 62077 62044 6136 51328 45334 62664 83820 00874 58621
07832 51251 72476 35625 56310 57153 54417 80330 62

Stopped and switched to Morse.

262 58 =

05084 58141 50243 58640 66205 40675 06666 11401 42433 21742
40874 37073 24241 80875 87825 40447 56513 42848 75165 17365
46813 87517 06258 52343 75282 76845 60346 64480 70004 47085
76860 26185 88520 28177 68614 00831 12320 71072 20671 25543
23622 58510 63843 51631 18337 74863 23123 25145 53462 01163
37544 67610 06445 80700 21506 30480 53673 15640 =

262 58 262 58 = repeats message = 262 58 000

Notes:

Same message as 21-8 but different serial nr (262 vs 264)

The operator made a mistake and started the message in RTTY (FSK 50/129), then stopped and restarted in Morse.

The RTTY part was however a different message !!!

7351 kHz, 24-08, 0427 UTC

414 46 =

45619 05459 00978 11105 03138 06401 36966 23147 79700 27884
74710 63605 67409 69004 50241 96466 23026 44016 08855 85219
31454 71395 86542 19780 46540 56348 79773 39069 03771 37912
78863 06088 96146 84638 87830 30204 17672 04747 23151 13217
78304 65104 73405 08624 03432 71254 =

414 46 414 46 = repeats message = 414 46 000

7351 kHz, 25-08, 0426 UTC

192 54 =

87417 56020 74504 32876 80316 04656 03872 76403 20785 77171
26064 58555 30616 23825 68865 16745 66243 86812 71882 44037
55781 66731 06282 28208 28177 17360 02476 04635 67603 27171
65067 80335 63486 78217 03266 07636 18037 07283 78236 68647
02015 78147 87480 84444 36461 60160 34638 50783 41516 45267
82287 31836 37111 60017 =

192 54 192 54 = repeats message = 192 54 000

7351 kHz, 26-08, 0434 UTC

354 57 =

95396 42885 24978 53482 54941 90679 94654 17158 18414 83808
 47496 08606 76631 45278 54865 81527 44329 34484 76506 86444
 41708 83025 79068 09230 79894 15815 29940 22784 16393 26804
 77177 00460 93916 86431 29996 53896 29924 32601 06477 59672
 10723 37483 57082 64739 74293 28098 97477 56141 53933 86696
 32953 14697 13209 02365 41279 71967 63685 =

354 57 354 57 = repeats message = 354 57 000

7351 kHz, 27-08, 0432 UTC

548 51 =

40066 62077 62044 65136 51328 45334 62664 83820 00874 58621
 07832 51251 72476 35625 56310 57153 54417 80330 62871 11177
 28008 06355 64004 73350 71838 63213 17774 2808J 06706 77345
 62026 24573 10400 06218 00761 00424 34257 67102 27825 65765
 50585 52360 74221 05104 48287 88012 23883 43864 80667 33308
 62765 =

548 51 548 51 = repeats message = 548 51 000

7351 kHz, 28-08, 0441 UTC

905 48 =

27687 30547 88377 04662 33342 11420 02613 83878 02707 37142
 86855 31584 36628 55818 61787 00702 55671 84427 85281 41427
 80244 67471 81872 46458 17022 55612 10835 77611 78464 33048
 84415 75678 22612 55867 53352 12761 61656 72526 35123 56258
 03203 55638 10731 55610 83272 66007 72646 38050 =

905 48 905 48 = repeats message = 905 48 000

7351 kHz, 29-08, 0430 UTC

819 53 =

67534 46631 77055 48684 30420 35521 72468 40657 12424 66031
 41350 23000 72151 48747 74723 80311 70056 44063 11048 27544
 35205 36626 38614 47266 54752 01164 11672 34742 00066 16241
 14342 06423 46352 57064 10354 61612 28872 17017 42330 13121
 85562 13432 85322 71885 86166 82011 64087 88404 34216 51304
 60152 34454 28515 =

819 53 819 53 = repeats message = 819 53 00000

Note: 5 zero's vs the usual 3 at the end**7351 kHz, 30-08, 0420 UTC**

283 42 =

09733 64247 02170 67706 37755 39187 61671 13393 63308 02943
 46867 50941 34821 61714 60112 82985 94905 51935 98627 34092
 92936 05454 20448 58337 50194 84945 21473 56342 49855 23568
 11996 74331 71727 12134 56437 48143 10286 79244 30086 65930
 97621 00071 =

283 42 283 42 = repeats message = 283 42 000

7351 kHz, 31-08, 0426 UTC

823 47 =

08351 20583 25146 11607 43701 44430 87115 14186 41674 15076
 31276 58301 63767 34043 36710 13545 66612 58183 52400 10337
 37234 27357 46744 04615 51182 81700 20087 36117 54011 63137
 35375 86522 11022 12717 20714 15746 34645 88254 26402 74517
 01103 06828 16314 26874 37513 57073 78748 =

823 47 823 47 = repeats message = 823 47 000



MX / Feedback

XM a.k.a. Feedback, Whales, Backwards Music was heard on 5582 kHz, 8-8, 2016 UTC

M42 & X06



Modes:
Various digital modes, CW,
Tones (Мазелка / Mazielka)

Russian Government & Intelligence



M42 – various modes

16169 kHz, 2-8, 1159 UTC, CROWD-36

16353 kHz, 15-8, 0945 UTC, CW

Russian Diplo CROWD-36

Russian PtP net: UBI UBI UBI DE UCU UCU QSY 17420 QSY 17420

M42c (F01) – FSK 200/500

16023/14373 kHz, 01-08, 0025/0035/0125/0135 UTC

11177 00117 35697 01035 01579
20340 26014 53632 70748 18629 26327 04058 00701 37490 78364
39314 43295 01108 12884 91162 35163 59402 84513 23635 57735
15943 17846 30770 06779 22497 94487 21215 54459 08988 10487
51992 70618 35986 45303 21339 16975 82883 07380 33621 48979
29274 19126 82182 40908 25308 54862 90317 04638 31161 32154
17047 01389 58919 73656 40756 09936 36332 23454 33456 54919
_____ 75433 07844 49851 72796 08239 11285 35299
79855 21426 79861 67100 03351 00959 82080 50112 81387 67477
60125 42539 63281 25358 73914 77137 00732 40613 67705 04249
01504 19442 14200 64055 53423 15739 83035 76410 72512 70875
32897 30225 30856 62203 37701 17196 64063 99531 06114 97627
27799 81690 47743 04287 38661 06860 88750 83164 30106 43081
01189 38516 79766 74100 53084 94912 01539 56920 62138 82312
57587 17408 62246 31435 49764 66619 86836 67307 48262 89522
19387 76557 43639 29681 52990 47992 40191 09754 79052 99377
44164 10331 57486 58543 21526 35155 00000

15854/13543/11126 kHz, 02-08/05-08, 1840/1850/1900 UTC

=8571 764285155108726119
=8022 90984893887297933
=7903 59203159656149934
=8884 5468632716995639
=8205 48352207667156444
=8346 19473285122529030

=8277 36900520748483844
=8938 495232576236003116
=8379 98601796420327593
=72410 14262629123456943
=80911 587171968829631213
=85812 99461067498857335
=78713 27800822386456484
=78814 9916675789194071
=86315 996976800688906123
=80216 15885912924946360
=87317 18870097783121598
=85018 35945163037440625
=82019 115140868764285137
=78720 87342089133884126
)69021 4706000000+++++171

76428 51551 08726 90984 89388 72979 59203 15965 61499 54686
32716 99563 48352 20766 71564 19473 28512 25290 36900 52074
84838 49523 25762 36003 98601 79642 03275 14262 62912 34569
58717 19688 29631 99461 06749 88573 27800 82238 64564 99166
75789 19407 99697 68006 88906 15885 91292 49463 18870 09778
31215 35945 16303 74406 11514 08687 64285 18734 20891 33884
47060 00000

20823/18397 kHz, 05-08, 2230/2240 UTC

11177 00116 29465 05036 01559
83236 22470 49654 64251 61377 12108 90134 85822 06361 05742
00339 04334 24538 11315 81339 75449 67210 13776 39104 11864
34770 74530 72993 02799 52083 59656 30207 47301 67578 89078
03103 67322 15338 28580 86933 74371 39642 02957 46491 23181
38924 51001 33000 22247 98547 86006 43758 10930 26438 67081
98164 85015 97062 89502 72817 79798 89805 _____
47531 42013 00482 20245 84084 25427 57522 86600 91269 48282
78677 09454 22396 57439 44060 _____ 69198 76511
48576 69143 67697 60907 66877 66537 69726 40754 01280 15207
16495 35110 07081 64149 86225 23273 90150 69792 89989 36360
44966 41980 49055 01602 88498 34491 75762 42550 52977 68120
32874 63804 97975 13780 95213 27332 38616 09191 50949 68246
53474 71404 83346 15546 69675 64300 25385 05667 34080 81535
11401 18578 51609 12490 14432 51326 06968 08675 44605 53915
04967 43096 60458 28685 34017 78089 78397 25024 80626 56634
17130 82901 08167 36153 00000

20823/18397 kHz, 12-08, 2230/2240 UTC

11177 00116 45912 12037 01749
54765 69374 52547 44307 86884 31492 06892 66495 04871 72722
61061 59490 91771 15977 67365 63948 12939 08850 ...
(poor copy)

16023/14373 kHz, 15-08, 0025/0035/0125/0135 UTC

11177 00117 84125 15037 0130
95060 83782 10585 50738 23077 76911 90898 80370 69217 79762
71588 45656 84883 87524 50573 27213 49419 57412 21620 22974
35614 03127 79810 76010 25197 13120 68749 24459 12896 06409
45466 39952 13099 13458 57338 95538 60336 18705 11030 04542
49994 98163 93346 15617 22928 12478 63772 37253 76813 64035
85099 80249 01200 63908 38731 00503 18017 91035 94846 92903
03379 49919 42065 95611 43727 33924 44993 83295 43949 55739
07272 90504 17936 21253 91887 05279 19636 84667 27410 06443
73472 17956 89552 15991 62105 32197 68206 43369 04851 29738

09231 87416 38550 12648 56252 69133 15269 44607 43790 02269
03558 71706 04130 29609 35436 43191 09456 25917 74119 13874
93138 79388 40086 82385 05926 85283 67872 66297 03723 51789
41643 54873 35014 57078 99394 64555 60626 99296 37128 00000

16023/14373 kHz, 22-08, 0025/0035/0125/0135 UTC

From Cuba. No copy apart from the middle of the message.

11177 00117 62495 22038 01659

First 36 groups unreadable 36403 58509 98024 90120

06390 83873 10050 31801 71031 59484 69290 30337 59484 69290
30337 94991 94206 59561 14372 73392 44499 38329 54394 95573
90727 29050 41793 62125 39188 70527 91963 68466 72741 00644
37347 21795 68955 21599 16210 53219 76820 64336 90485 12973
80923 18741 63855 01264 85625 26913 31526 94460 74379 00226
90355 87170 60413 02960 93543 64319 10945 62591 77411 91387
49313 87938 84008 68238 _____ 68528 36787 26691 70372 35178
94164 35487 33501 45707 89939 46455 56062 69929 65538 67360
26930 87652 40068 54968 32362 24701 49654 64251 61377 12108
90134 85822 (31 groups unreadable) 38163 00000

20823/18397 kHz, 26-08, 2230/2240 UTC

11177 00116 35974 26039 01469

36787 26629 70372 35178 94164 35487 33501 45707 89939 46455
56062 69929 65538 67360 26930 87652 40068 54946 83236 22470
49654 64251 61377 12108 90134 85822 06361 05742 00339 04334
24538 11315 81339 75449 67210 13776 39104 11864 34770 74530
72993 02799 52083 59656 30207 47301 67578 89078 03103 67322
15338 28580 86933 74371 39642 02957 46491 23181 38924 51001
33000 22247 98547 86006 43758 10930 26438 67081 98164 85015
97062 89502 72817 79798 89805 20243 73001 58000 47531 42013
00482 20245 84084 25427 57522 86600 91269 48282 78677 09454
22396 57439 44060 22843 11190 00257 69198 76511 48576 69143
67697 60907 66877 66537 69726 40754 01280 15207 16495 35110
07081 64149 86225 23273 90150 69792 89989 36360 44966 41980
49055 01602 88498 34491 75762 42550 52977 68120 32874 63804
97975 13780 95213 27332 38616 09191 50949 68246 53474 71404
83346 15546 69675 64300 39144 00000

16023/14373 kHz, 29-08, 0025/0035/0125/0135 UTC

11177 00117 26874 29039 01479

37265 68022 32482 38572 88773 53908 16552 21256 58899 34701
10187 53066 18285 43968 51852 90760 07327 07133 76396 95981
75380 77346 55589 39664 15076 68168 25373 55181 76824 77333
77896 46454 20977 54465 65149 52717 00610 25863 20319 26674
13149 11102 12573 50158 67190 23980 31577 70980 31489 05130
19920 07397 64933 80371 51221 32745 96490 41790 55661 04152
43575 62757 45386 34713 98174 29855 22071 56321 08856 49232
72282 62160 89288 55489 89764 53576 95115 59066 27767 51329
20008 75145 04037 78774 31307 17861 08300 29654 37050 72842
57389 11997 09662 88165 79374 55749 19949 05117 82868 05841
51109 56642 55160 09730 62450 27523 90700 67844 01918 14917
97144 28493 98360 54048 44038 07498 38754 49388 87916 98092
93999 79630 66833 57207 38721 33953 24835 92675 63179 52892
82054 10025 36239 75142 82829 99198 57354 98493 24948 93329
73255 36476 42370 07066 38134 39145 00000

Link 16404 / 16405

16319/14378/11636 kHz, 10-08/11-08/24-08/25-08, 0800/0810/0820 UTC

Block No 0 : Total Message Size 26 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 8th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 168
53100 19337 50437 34448 59836 36317 43247 06049

1be9 4014 cf6c 5007 a8f1
c505 4b89 710c fd8a 3ed0 2457 546a b85e a745 d14c
5593 e156 f4b4 4749 c253 5b03 41e9 8732 753c 1b5e
7c87 1ca9 d4e1 9870 6bb4 3a93 571d 2609 9c29 60a4
d69d 086d 3be5 8d6b 0f02 16f8 ec22 03ac c6dd d0bc
1f27 6012 f9e2 26a3 682f 17ab 70da ffb1 205c a4ee
c901 dc1d 4d48 bd3a efb2 a61a 83f3 0e30 e733 02f8
de8c bfa4 7414 6960 9109 0bd8 7c35 d7f1 0cd0 cd48
cb0f 71e3 3664 f818 d0e6 ace3 c41e b553 1855 83f5
b671 97d0 ac9e 7e92 65b1 9ee9 1af1 f6cf 48ca b5e1
b637 8b47 0916 a0ae 3582 aea6 5d0f 3bbb 8d2d 45f7
4f20 3960 2473 c882 5227 76db 4775 20ed 225f 4337
0ede 9d21 0589 5525 27c8 5103 1b20 202e 91db 4f91
8d07 933a 7e56 446b c8d8 a927 cfeb 0943 222a 321f
aa45 c4e4 f7a7 de32 9122 42b1 900a 672d 6922 8b4a
b34d ca32 adca ce53 5e66 93ea c38b 6860 7286 03e7
ea12 8240 d8c8 a600

Link 20492

17434/14369/11163 kHz, 10-08, 0915/0925/0935 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 10th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
24220 00000 00000 01400 31284 00619 00893 55057**17434/14369/11163 kHz, 24-08, 0915/0925/0935 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
44116 00000 00000 03901 37104 36704 00893 25736

Link 20501

17431/15842/13408 kHz, 02-08, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 2nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
51652 00000 00000 01236 21447 35796 00893 57284**17428/15663/13424 kHz, 07-08/08-08, 1530/1540/1550 UTC****17431/15842/13408 kHz, 09-08/10-08, 1650/1700/1710 UTC**

Link ID 20501, Date 4th, Serial #57, Groups 128

1be9 5015 dce4 288c 8cef
3b76 92e2 cbdc a863 7e4c a76a 7482 67ae 0095 67ad
ca7d e4d8 0152 c037 2b79 e599 7ac1 17e0 0642 4d3b
30e8 79d2 2213 f1d3 050a bf79 a56f d795 a4e5 5258
d780 e440 21bf 9d56 a576 0ba1 bba6 86df fc9f b1f3
9241 1d6a a2bd e901 1337 1c97 ed42 d6ca 5791 e064
db14 34b0 173e 5d02 44a7 fd01 5967 b088 3c4f 88ed
9d86 357f 250c 0c5a cd42 b393 d10d 8db8 71e4 a7f1
4863 f1a5 4a75 5c4c e297 a060 1e66 e203 b400 4a04

4da7 c366 b1df 15cd 312b 0813 eb2f 92be 70eb ce8b
173c 1075 0249 a5c2 97d3 36aa af26 18c2 8fcb 1688
5711 274a e1e4 73c4 c357 a029 5e97 baa7 361a 8955
ad99 3591 e820 43f6 9413 4ca3 a25f 4da4 bab9 ec01
5c89 4059 b812 980d a970 eb26 6227 08a0

Link ID 20501, Date 5th, Serial #58, Groups 119

1be9 5015 9734 328e 82f6
bae2 9382 ce5c a8da e99c b16a d882 7a6c 4096 67b4
0a7d bdb9 ca26 c6ca 4b4d c457 4676 0e94 8843 9cd7
1ea9 4149 61b3 41f8 8956 5c2a 4eea a698 b88b 2520
287c 46bf e9b0 d752 bdc6 d3a7 4654 8ced e463 aaaa
face 38f9 18cf 5989 5684 914e 1a44 9f42 283d 5dbb
e6d7 1ebb 7b6b 6c97 7954 c3c2 1100 ad44 9f48 15a2
be1b bae7 02f7 c7f4 26b3 1ded 3e4e 20ed d7f6 cd59
686e f5d7 9108 8f5a 68a1 6286 33a7 3968 c333 f843
a1dd 7c15 f61f f737 91e6 6f83 7cab b2f1 e35b a8d0
5d5f 410c 5de1 b545 6f93 50dd 292f 637d 0c36 8703
1237 3efe 6772 bb2b 2104 88c0 c6a7 1d16 d1a4 e948
5280 439e 0be7 ed99 b3d7 5d03 64ba 8abd 8000

6th Family 1a schedule participating in this strange message sending event already. The previous message on this link ID was on May 31, 2016 (the Tuesday 1650/1700/1710z sending). Also a very rare event of two messages in one broadcast with different dates (previously happened in January 2016 on Link ID 36882). Will repeat tomorrow, and likely also Tuesday 1650/1700/1710z. (Danix)

17428/15663/13424 kHz, 14-08, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 14th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
03948 00000 00000 01439 21447 33740 00893 61907

17431/15842/13408 kHz, 16-08, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
30236 00000 00000 03225 32012 34817 00893 22190

17431/15842/13408 kHz, 23-08, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08
lock No 1 : Link ID 20501 : 23rd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 02741 12857 34166 00893 09936

17428/15663/13424 kHz, 28-08, 1530/1540/1550 UTC

Null msg on link 20501

17431/15842/13408 kHz, 30-08, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 30th of month : Msg Number 157 : Msg Type 07145 : Group Count (?) 4
56989 00000 00000 01287 12857 36821 00893 02890

Link 32816/32817

16346/14847/12223 kHz, 10-08/11-08, 0600/0610/0620 UTC

Block No 0 : Total Message Size 88 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 32817 : 6th of month : Msg Number 195 : Msg Type 07145 : Group Count (?) 252
10692 62004 53261 00586 05640 02102 05861 34523

1be9 8031 29c4 3cc3 fce5
d00d f234 d0f7 1dde 186b c98f 8e09 3948 f181 5240
1617 f9cc a3c4 2c5d 2cfe acc4 8bb7 c3ff 62c5 0153
9927 5c17 db70 f576 c9fa f5c1 d5a6 bb8b 0900 6b60
b61f e932 aa80 5bb3 bdc5 2dfb 5638 a74b d331 1b52
8044 2935 693a 7332 1b45 6e84 7054 11b1 25a9 cf34
60f1 14d7 250a c61a 5775 bdbc d5a4 b290 6a76 c0c6
6855 05cc c93e 4d29 1a44 58aa 4e35 53c3 4779 ddbd
0739 6214 43db 4863 02aa 1c89 8ebd 4ee6 b6d0 30d2
31bf 66bb a0c6 4054 f31f f1c1 812b d8a6 e7ea 5932
c7c1 c083 b7f3 8f66 0486 6cf3 3fb8 6be0 6ac4 dbb8
07fb d460 f2e7 8ec3 9bb6 e067 9792 24ed ada1 bc11
5a5a 5868 0e01 f0a8 3924 e4cc 174a 4ac0 221a 30ad
b086 5d49 1375 7e8a c866 a743 4425 b4c9 b96e d52d
0910 8767 6a7c 2a68 77d8 1e91 dbcd 4c5e 428f b8a2
d078 87f7 a080 3569 4623 2d6b 8053 5c5a 5b57 dc90
8432 bbea 1ef0 05e2 7ba5 e850 3d38 ecc7 3a88 db92
f94d 9eb5 0467 157a e691 9081 77be 3024 1e68 f7a3
2422 3198 6293 c699 b589 a8d0 9373 361e 31b3 fd7a
6c34 fa70 fcfb f939 f068 381f 9efa 5f00 579e ab1e
dfd1 aea2 cb85 183c 39b9 0f89 441a baf5 3c1e a211
d2d0 8490 c5f1 836a 01c5 61dc 91cb 0920 c627 6d0b
0779 ef91 51d0 af19 63f0 1422 f87c 8b25 cfb9 a5f3
cc6a 78c2 948f d0b9 1c42 3346 90d2 97ae af53 c16f
0e7d

1be9 8031 9688 3cc5 5aec
4725 a183 cc2c 15ab 27ef 3d40 d72f 90f8 f213 a7a4
695e 720c 64d7 749b 5297 aa83 9bb6 89c5 d7eb a5b5
3b96 0425 3882 06fe 2f4d 6ec2 04f2 81a5 3abc 6c14
d9ae 9a6b a3ad a145 5f6b 0f88 8c50 8324 d049 8e7d
13ec 4f5b 35bd 7904 3f28 10a1 2cde c996 06df 1d06
a326 458c 5a02 f87a 4f0a 28ac 19ca 49d0 754f a8d3
702c 7cba 2aed e9b9 c352 df1f e378 45bc c22d 3a41
9771 9e32 4757 de60 d926 35c9 77b7 fc09 e514 8637
23ed 25c6 a982 2590 ec44 21b1 786f c5d9 c220 abc1
bf1f 91ea d7f4 e891 3083 c48b 3df5 6222 d883 b0f1
b7ad ba39 ca5c 4a86 8669 d3de ecf6 2cbc 8b83 94f6
b4df 0b4d 1663 54f3 2214 f796 8f8a f781 dd3e f957
15c7 dde1 b604 77df 63b2 af0f 1185 66c3 66c8 c346
9465 e17f 80cd 33ce 9cf9 683a 984e db2a 0fae 84d8
d9b9 18b6 3d5e e39d 7e58 afb3 4492 c689 88c1 5e38
2705 c8b6 0be2 f4b9 ecdc 1433 2b3a 295b 683a 82c5
c993 5082 11c1 0e1e 7a32 823c 3a92 7047 e0c4 7213
c095 8d89 64b6 a9e7 e405 5c02 be28 c34e b355 cd60
addd 053e 9f46 1ac0 2577 fc84 d2ba c5b3 8c3e af3e
46e7 7465 93d4 d564 980c fe25 0c68 7ba2 3285 7c1b
6b62 00c0 419c 2ae4 1961 908c a11f a4d7 9c25 bb25
7057 9f60 755d 4a30 e416 23c6 d050 5ac9 80a2 1df8
addb 56d5 d9f6 3544 9b6e c312 ed4e bbd6 0e32 eb74
8b12 8a4a 3c48 8a50 230e 190a badb d71f 4069 5f83
1017 c5bf 1a15 14f4 5458 c6da a126 f441 8d28 c270
4c62 bf6f 6b94 4900 9e8c 0a64 51f7 b257 6e10 475d
c8d8 5735 7c5c b768 b6b3 8ff6 f11a f3a2 0528 3b56
d0f6 6432 13f6 a189 9071 3982 3d87 3343 7248 a5f0
497a b235 16c0 f4da 7645 06cb 4e8f 0b43 d7f3 20a7
025c ade9 4f11 7378 d7a8 dc55 7768 9915 3685 8dbc
56d5 95f0 a568 6648 e026 10a6 854f 5f2d 174d cc69
7a02 9133 17de b6c8 d35a 420d f1d9 6e00

16346/14847/12223 kHz, 17-08, 0600/0610/0620 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32816 : 17th of month : Msg Number 170 : Msg Type 07145 : Group Count (?) 4
47904 00000 00000 03490 59615 03434 00893 56269

16346/14847/12223 kHz, 24-08/25-08, 0600/0610/0620 UTC

Block No 0 : Total Message Size 47 blocks : This transmission contains one message.

Block No 1 : Link ID 32816 : 20th of month : Msg Number 200 : Msg Type 07145 : Group Count (?) 62
02052 43974 41783 40107 59615 05539 30218 00424

1be9 8030 0804 c8c8 3eec
a337 abc6 6995 66b2 0c48 02c5 48b2 ca2a f754 99c3
2d94 22f0 bfee 9ff9 7035 09c4 588a acd1 ff8a 2c02
82cb a289 5431 aedf da10 d456 8b8d f660 5a1b 9fb0
7ce7 8f40 2a25 0e4f 658b f490 a374 4446 67eb 10f3
9ed9 029d d4f3 82e4 8ea1 2393 108c 3c69 8726 2008
f963 a779 4346 4e47 e24a 6e9c 12de c0f5 954f 368a
8a48 1344 a489 b2e0 3b44 77d9 75b1 82e7 bfcd 3d56
e9e0 1b36 46df bc65 0213 380c 43b2 93a3 6756 9927
c85b 14f0 4b67 fd51 e381 ad46 2bb5 9868 6767 3ece
d95b 2edf 6583 bd5d da1d ea4b 2b88 0250 70c7 9122
255d f679 c775 e716 d6af ac78 8040 42dd d0cc ba40
d234 f132 4530 1ba4 c4fc 339a a564 7716 eb83 9897
8bf1 72bc 339b 27c9 f692 8abf 1c7a b4d0 a198 ebf1
d373 8f85 723c 120a b295 8840 e2a9 8983 d5cd 83be
56d9 42d1 6e3b f5fa 966c 7f81 ae47 92e4 6714 a189
1b85 9262 6406 d51c bdf9 e445 14ec 26fd 8191 cdf4
6d35 40e7 9b65 ee1e 4d01 2a07 84c3 418e a5fd 06e1
c577 a640 15b4 52b8 53e7 b339 4185 cf09 3669 8cb1
bc3c a13f 1655 e363 8c8d 7415 409a 1166 5a8a 22a0
5fb1 7df2 cf63 97f1 3059 5d4b 237d 8694 2c34 3542
5581 c5d6 2b27 b4d4 f2f4 9d99 aa55 767b e1ba 386f
8aa9 0219 92b1 e7bb 373a 51b6 4b9d 6176 ce89 abe3
0965 5bd8 ce6a 7020 1f72 c243 3fcf 3407 00c8 755a
7278 8776 f2e3 afba 073c c38c 7251 1250 f795 2e82
8e80 aed4 b2e0 9961 9341 208a b297 5809 b9d7 cb9b
6e92 abb7 2a2d cdf1 425f 13aa d70e 7976 21b0 26e2
d8f5 1409 a03d 590a d8f3 4743 dbf6 0761 2c63 b9ff
ed93 422c b2b0 53a9 30b5 757b f682 f979 f45f e6b1
f24b be35 d4ae 43b0 2d6a 2318 9d39 3e19 4ec4 1582
cf6f 3280

16346/14847/12223 kHz, 31-08, 0600/0610/0620 UTC

Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218

1be9 8030 4ab5 0eca fdf4
e6e7 faf0 7bc3 fb6e a589 f8cb 3a92 21d2 d7a5 7c15
84e3 df99 2ad7 c5d3 00d2 e253 3360 ad9b f249 71f3
8aa1 a55d aa48 c46a 2ba4 ac92 9585 39ab 33e3 a5f4
e0fe 18a2 d1f2 fb6f 5461 d666 67b8 10ea 4ab6 ba32
4b6f 33d5 4a08 a598 3241 870d 3c7c e2b5 5990 536a
b9b4 a6ae 2688 96a5 fca1 1561 9d70 b9d2 f677 2231
c5fb df80 b1c5 2058 8fa7 d992 ed18 c6c0 07d7 5d57
844d dac0 41d1 d30c 2eb9 264e 721b 0651 9300 7989
3f1f ebb2 0b7e bc00 4ed5 5485 c4d7 78da 685f e07d
3754 b3b1 85b0 d26a e308 a50d 5060 08ca 014d 2897
9481 2e60 d75e 00ba 1b05 6d64 ea77 581e c310 ce15
29c3 9826 6fee db47 acab d814 2eb3 97b8 3ac6 f91f
a956 1b71 f3fb 1c49 d64e 9641 9906 92b6 9f29 9028
0640 fd17 7f73 85f3 2192 ca89 641a db12 53de 44b0

c877 85a0 58ed 56db 6717 1e62 2766 8170 40e9 00a3
5b8c 911e 210b 0738 826f bb27 8d78 5c37 11ac b38b
e034 5ba5 6e06 f010 61a4 02c3 937f cb1e 82b7 8349
975f 4ee2 8762 2b67 e52a 2da1 3b49 9c39 d603 a061
116d ee07 3e64 4710 bcb7 ff39 10e3 275b 9d16 c45c
31b9 234a 51a0 cc43 686e 79ea 3dd5 4eb6 c042 e05b
7c4e 9667 f92d d682 ab45 f029 1ebe a491 e9cf 8dd4
0e1c 17c7 4dc7 e4bc 54d0 aade 1eb7 002f c0b8 7ef1
9aea 72f7 8cbb 5bc8 91be 53a5 471e 66dc f23d 7a3c
b11b 07d1

1be9 8031 b4a9 0ecd edf5
e1fc 0429 1a87 6471 bca1 3519 875e 01ee b2a1 8865
843a aa59 1fc3 1a37 0fca d405 7d18 94c3 a9b9 ef70
87ea e6b5 2cd5 6e5f e568 77f6 80b7 6ef4 7b03 82c7
236e a7e9 5dc5 5758 49b1 fba3 9645 1c58 31ba f98c
e1f3 24ea 4b0f cce5 7847 6c07 151e b06e d967 a479
f558 b027 da91 e88c b20b 215f 1666 d058 7088 e6ae
9256 8bc0 94e6 4600 a580 5b63 6d14 f8c6 4ea1 c356
c906 e0d3 d7cf 00f0 258b 9110 0d53 2056 2917 d171
5831 c9e5 e0be e4a5 ec71 9104 22cc 4dbe 77f9 709c
24f6 56dc e937 db2e de08 b91d 702e 8880 fdf8 1092
2d4a 88ff 0de5 8fed dc59 a888 1e33 9b48 f043 dea3
e5c0 530d 2e00 f608 7e96 ef0a a666 eb1b 91d3 df2e
b987 6b95 5d24 0cf9 8d9c bc78 2423 1281 0422 431e
966e 8d4e 3700 c05b 3d99 e42c 693c eedd 52a7 ddf1
2415 f619 8701 0e76 eeba 4ae1 6791 bb14 db38 baeb
2c5a 7b1d 8182 85e0 d0bb 3311 8c93 a0bc 54af ca39
36a2 d1b8 cf58 3d5e 739a 531c f4b9 6a48 502e b1e9
c252 2aba d08d fc18 c399 04fb b272 8a8e 10f5 b92d
5221 387d fa50 6f75 4f8e 60d6 4272 c61a 727d 51c8
e3b0 a4e7 a75f 45f9 063e 48b2 2122 d3d9 3672 baf1
c1fd 44be 643b 309e 2f79 c56a c36e 887b da5c f81e
50d0 6e45 e5f5 5dfa 9a81 351d e23a c000

Link 32821

16289/14461/12176 kHz, 06-08, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 6th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 03262 13740 35272 00893 36061

16289/14461/12176 kHz, 13-08, 2100/2110/2120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 13th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
56988 00000 00000 01255 13740 01357 00893 12438

16289/14461/12176 kHz, 20-08/21-08, 2100/2110/2120 UTC

Block No 0 : Total Message Size 59 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 19th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 146
26116 41844 46547 37161 31945 05359 60766 32266

1be9 8035 6604 be41 92e7
b5d3 a374 9556 5462 4d39 c26d f90d 4e13 aab8 f922
c4e9 45e9 0622 0ab9 4193 1185 8df3 80da 9a57 4ea9
5de4 f70b 0367 5182 42fc 5d60 49a0 c8f7 63f2 55b6
5ff7 5dfa e8b4 f34e 4bdf d8b9 03b6 da72 6683 9915
ef67 2984 8b3f 3d86 9276 04e7 0452 bca4 3a84 0d14
9f32 4618 b9f2 db1d b428 7bd1 dc80 6e97 ad92 3186
252b 1557 e6a9 95c5 7434 a719 d45b 43d6 d39a 0ac7

1997 7de8 afe0 4def c524 c9b9 37f6 cbb6 2187 4774
7248 ca27 de85 bd8f 30da 6060 ac21 fc43 db0d 2537
d131 d784 3067 d7b8 07e2 89b5 8088 5f7e c4eb 7267
44ae f0d5 8b56 a675 a09c 375d e4c4 20ea b0f0 3f4a
33b2 4979 855e 6c99 319f 97f7 5f67 0b54 9344 ef6c
3677 3491 bf35 b09b 41a1 5a00 e569 4619 a5a5 0821
61c0 9ec5 8d9f 58c4 99e9 23cd d54d 3f74 c973 063f
8ede 45c6 c36f d0ef ec1b 4582 4fc9 630d eb76 2ccf
4b74 d859 c457 6170 889b f325 af98 5b39 b8be 5924
f6a9 6458 ea32 3d7c 1bf9 254e 9be4 7504 1247 0525
86f4 061e 0952 a234 04a2 318e 38c6 7552 4d0e 901b
d184 1b05 e435 fd12 b5a6 37be e176 6306 18eb 97b0
fba9 e594 1552 5446 92e8 0cde ed50 65e7 161c c908
280c f57c 5728 749d 4ed4 0a78 1d90 88f7 5887 9612
a81c 5f90 ce5b 47f1 6e20 a834 4b5e 7a2a f8f6 8861
d76f 0a4f 4353 eebe a684 8ac2 07a1 808d 1a8d 2a36
d108 13c4 de90 0673 4e10 3134 1e39 bc75 77d1 7250
30eb 50b6 84ac 41b5 4ee8 5a38 d335 6b34 8c91 a795
0aa9 c384 2446 a620 e435 cba6 543a 9e35 d49f a5cb
3c94 3505 1beb 6adf 6b86 bc05 54f6 a422 d281 841b
d8b7 df82 dd8d ad26 b657 caba baad 39c8 e2b0 deac
84cc 6172 b594 94e3 d18b 7d2e f3a6 d9dc 46b8 5eb4
7ec9 0498 2645 345b 068e 2dc6 6989 caf1 975c 171f
3f06 a830 53c7 39c1 1946 f43b 82f4 5fb1 2e76 6ca4
9a49 4c0a 91fe 9d53 958e 83e0 db35 4fa5 6f39 68c9
664d 30f9 5659 7491 d99c a6b8 4f34 5144 87c4 3a45
5577 75f5 fbb3 3f04 49b5 92bb ccff abe0 160a a2c9
47d2 890b cf05 d4b6 33c5 f3a8 45ab caa9 649e 0a44
ef45 d899 21a7 dc96 d506 4655 9ab3 4b0d e0b0 1d5c
1a04 aa1f 13f2 d789 da15 2701 16ac e97f 4a00

16289/14461/12176 kHz, 27-08/28-08, 2100/2110/2120 UTC

Block No 0 : Total Message Size 31 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 26th of month : Msg Number 067 : Msg Type 07145 : Group Count (?) 206
03949 42964 45755 38993 22795 34200 48673 48921

The 3rd message on this low traffic schedule in 2 months, the 2nd in a week..

1be9 8035 0f6d 0443 cef0
b2bb a7d4 9556 538a 656a 086d f90d 6adb eac5 f922
c4e8 9813 3712 899a 0a31 7d23 4b01 419b 1353 4f74
1a9a 9631 6e70 c380 ceaf 9535 4728 85bf 987a 5c99
9971 c0b1 19fc afd5 2b3f 70ea b6b2 4d08 6166 df8e
2067 2e33 0dea de27 be2a f22f 2595 62d2 b3e1 628f
f8b1 0aee e032 3ebd ac34 df92 9859 1bd1 a976 aedd
d8a6 0289 a744 4036 0ed2 d329 10e3 4768 901b 7a6e
ea55 b506 93a1 b859 227b 0f92 0d76 703a ab71 3bc7
85ff b67f c874 129d 8d56 efc0 3433 9d22 1b66 7295
be61 104d bfb0 4217 e419 4775 2452 e3a2 6d03 2326
a583 7dcf 996c 03ae 65b5 b59e 44d3 5a23 db59 96a6
bb10 f18f f8d8 c949 e895 919e 5353 8988 6879 14aa
fa06 e78b 6404 d0b3 5305 24b5 37f3 1788 0751 0cb0
4462 8118 780e 4743 43d9 c89d 0f3b 98a3 1d3f 55e3
9c6b 1153 d70e dee8 6aac d13d 6353 44c1 9de4 6406
9eb8 c883 25b4 5e42 abb2 7517 5680 df83 e96d 311e
d92b 926e c550 dd51 e771 3da9 bc74 dcf4 ddfe 8214
a56e 9cc3 9591 5df1 25d2 5115 7360 071a b339 085d
9b58 8c92 5c5e 9d70 8f47 01e1 a926 a2ce cc00

16153/14438/12216 kHz, 06-08, 1100/1110/1120 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 6th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
17772 00000 00000 03372 28573 35163 00893 12046

16153/14438/12216 kHz, 13-08/14-08, 1100/1110/1120 UTC

Block No 0 : Total Message Size 11 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 12th of month : Msg Number 147 : Msg Type 07145 : Group Count (?) 58
31808 13843 57109 04270 31234 33526 28526 08117

1be9 9012 7c40 7893 3ae5
df15 3613 b99a dcf0 8534 1c40 1211 d7c6 1d41 76c2
a6d8 a602 2f2f 6603 6660 f2d2 af34 ea5c 990f 9b69
593e cd10 6c44 89d0 70c8 4627 2725 acde 8e6a df18
83a3 4963 599a ed17 2c4a 0f13 5cc5 e233 1e0a 3371
56a1 5d7f d7d7 6cf3 5452 4890 c071 7343 e0d2 53f1
f8e2 27c3 8000

16153/14438/12216 kHz, 20-08/21-08, 1100/1110/1120 UTC

Block No 0 : Total Message Size 14 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 19th of month : Msg Number 150 : Msg Type 07145 : Group Count (?) 86
29676 13363 62077 07248 37098 00992 13266 63935

Link ID 36882, Date 19th, Serial #60, Groups 78

1be9 9012 73ec be96 56e7
f27d 3433 b99a dd12 2d04 6240 1211 dd07 5d48 76c2
a6d9 0c89 2c82 2b20 a817 0a78 2826 6e91 c529 3b0c
ae02 8e2c 5433 cccb 4507 919c 0554 3480 ca2e daf5
2fde b9e7 a352 e348 e599 33c9 4fa5 93bc a0dd 5abc
b12e 46d6 b7f4 7468 7634 30a4 296b 6a35 9e14 c1d2
95b7 af4b 297a 0bd2 ba7d 96b8 c233 2d66 542f b373
656e 1e65 e662 3996 d427 2bb8 be46 f18b 7bc3 7c4c
5859 a3e5 0dc b97d2 c2c0 ce91 de18 258d

16153/14438/12216 kHz, 27-08/28-08, 1100/1110/1120 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 26th of month : Msg Number 152 : Msg Type 07145 : Group Count (?) 210
07753 14483 46165 06537 43092 34457 24603 19801

1be9 9012 1e49 0498 d2e5
b455 3893 b99a dcee 0534 a840 1211 d76c 1d55 76c2
a6d8 e6d6 a518 c676 31fa efc2 7d29 0f72 c345 da07
aabf 4038 8da9 b52b 559d d307 68a4 9165 8fed 0ad5
6631 2d24 497d f52b 69b4 a428 ad30 5394 e7a4 407e
515d 2171 1962 7a80 e82e e8f4 aa4e 2cc3 6ef5 2b4b
1383 33b7 9ac9 7a25 6825 f9e8 efd7 bbc0 0861 9b0a
0da0 98d9 9031 8941 4745 49a1 ff1b 1365 21e2 0e02
fac7 65e7 1be1 e5e8 fcf1 7f4f af5b 3cfc 14e0 16c3
9089 1256 0e3b e4d8 a872 b079 b8b6 9d77 b907 230f
5797 116f f166 f445 0f55 c9ee e22a 2234 9fde 2ae4
78a7 500a 9e87 b993 d0b5 641c 7bb2 7dc9 cc04 7754
e1bc ec8a 2beb e4c1 5982 ed0f ebb2 ce87 3797 227a
3663 f11b 9f7f f66d 0f5d 6355 f37c 8b16 cb42 df6c
7b77 6115 9c83 2c14 f321 c71d ab28 9620 4d46 1551
73df 6584 0329 2015 6c02 4784 088e 6a03 d702 0ebd
6dc1 be2d 44f3 e05b 364e 1c46 6344 8284 aa69 4836
b4c6 a1a1 8ab5 f98c d69b cb7e 8164 5fce 4ac8 5574

5057 212a cbab e3d7 72f9 0777 39e1 b26d 718c f96b
b3a8 98e4 600e 9477 5ead a151 d9a1 1b32 0de2 65dd
d7b4 a54d

Link 40988

12184/10189/8116 kHz, 02-08, 2300/3210/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 2nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
43236 00000 00000 00434 19784 33361 00893 16243

12184/10189/8116 kHz, 09-08, 2300/3210/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 9th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
55564 00000 00000 00794 00624 34212 00893 17153

12184/10189/8116 kHz, 16-08, 2300/3210/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
17020 00000 00000 03130 22585 35535 00893 23761

12184/10189/8116 kHz, 23-08, 2300/3210/2320 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 40988 : 23rd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
55564 00000 00000 00229 00624 34834 00893 02243

12184/10189/8116 kHz, 30-08, 2300/3210/2320 UTC

Null msg on link 40988

Link 45057

16186/14571/12195 kHz, 13-08/14-08/27-08/28-08, 0900/0910/0920 UTC

Block No 0 : Total Message Size 23 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 12th of month : Msg Number 215 : Msg Type 07145 : Group Count (?) 147
52944 18308 28804 13194 38644 00297 61466 04221

1be9 b001 ced0 78d7 93ed
7084 4784 f4e6 66dd 51f9 d094 e09f 5598 a924 ea53
3b44 00fe 5b57 85ca a429 ea78 2bd8 cb7a bdf3 be6b
54c4 6e37 3573 5a8f 94f8 64da 76c0 104c 0d8e de11
547a 04b6 d7cb 9a38 3d6d f5d6 eea3 2928 11b7 a50b
a1d1 0206 6259 7171 c5fa 8288 a144 0ff6 e814 74de
7760 ebf4 a866 7a5f 8b5c 1728 5d68 ae74 31f8 f6c5
87be fe61 4f6c 6c3d 19e5 dd88 cdc1 bc20 f7ad 0c95
1bcf 5577 d512 64b1 cb69 cc73 87f2 537e 6253 c8b6
248d cebc 52b6 ac77 9b12 6868 36a3 161a e635 9c25
d01a 24a7 cf40 176c 54f1 6b90 7591 35dd f60e 2f89
00ba 6903 598f b283 e686 9a06 a016 dba4 e35d cd8d
3e3c a10d aa05 4de9 cfaf ba3c 9ae2 096f e652 0266
b242 1a47 4748 d9a4 ed86 2c5a 5d12 3729 63f3 28ac
9b45 6bcb d62d 7762 4000

Link 45075

15938/13554/11461 kHz, 03-08, 0800/0810/0820 UTC

Russian diplo/intel. Null msg on link 45075

15938/13554/11461 kHz, 10-08/11-08, 0800/0810/0820 UTC

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 9th of month : Msg Number 022 : Msg Type 07145 : Group Count (?) 247
50532 56966 28041 03100 09055 34202 35491 28399

The 3rd message in 2016, and the 2nd in a month, on this link that gets almost no traffic at all (Danix)

1be9 b013 c564 5a16 f7e6
6d89 de86 cde7 89e0 5c25 4ef7 533f 6033 8a08 773a
2629 ed00 215f 41d7 9e71 d4c8 9890 17ed 3b07 df81
fa79 2499 e979 1d92 915d 6679 93af cbc9 a9d7 76c1
cc5b 7800 c4a6 0aad 839c 6446 30d9 c4d3 01aa 8c05
87ae 2d96 c540 cf56 a019 8b5f f017 d588 9595 e2c8
b498 d7e5 fa81 a072 83b8 fbe1 4211 5d08 ce0e 533e
d38f 6918 2fab c13c abd3 39fb 21d6 4f9c b2ae c102
d0e3 f9f1 7665 f00d f6e3 5601 35d6 9855 9198 8f00
e46c 53db 55ef 672b a0c4 5db0 2a84 8530 6ad5 4009
1d76 a1bb 34a4 4135 a1d9 8be5 945a a48a 4477 a154
2901 471f 1633 db98 6a64 f70e 2c01 7d4f d5ed cec5
e7a9 a04f 6787 49d4 276e 54cf cb25 4f0f 5d46 300d
8682 acb0 5b69 6062 2b05 83bf 5622 2309 3be5 e60e
d0e8 c7a1 ee00 95e5 29a9 0e60 60ab e535 b8ef 7a1f
04a9 6bc8 05f6 7469 1dbc ed7d 8007 3631 0275 c774
e764 6d32 fd87 389f 1d9e e134 be36 da61 613b 477b
cf78 f4cd 2098 b609 8d5a c838 fec1 0078 94cf 30b5
b2aa b8c2 bf33 199e a2bd 782c 35d1 d536 4f88 22fa
dbda b492 0fdf 9e93 cc9f f6c9 b02a f43f 465f 817b
1af4 6440 1966 c89d f2b8 9933 756d 8e47 52de 9a5f
24ad ed00 8498 9438 c8e0 ecc5 cbe2 8588 e921 e13c
9337 8573 9a80 a402 0ade 3259 23c1 d139 7166 dc33
e876 fb53 29e5 7832 0c85 ac52 7d00

15938/13554/11461 kHz, 17-08, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 17th of month : Msg Number 167 : Msg Type 07145 : Group Count (?) 4
18948 00000 00000 01424 21930 35333 00893 22450

15938/13554/11461 kHz, 24-08, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : Corrupt Date : Msg Number 030 : Msg Type 05097 : Group Count (?) 4
22396 00000 00000 02151 29748 02793 00893 25425

15938/13554/11461 kHz, 31-08, 0800/0810/0820 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 26th of month : Msg Number 025 : Msg Type 07145 : Group Count (?) 34
53101 37975 34424 14811 09055 05177 47587 50270

2nd message this month. 4th message in 2016 overall. Who is he?

1be9 b013 cf6d 0419 22ee
8678 9457 099c ad72 6a5b dcf7 993a fd9f 45c8 a8af
99f3 c8c0 c71d 41b5 7185 1bf5 861a 1072 fe59 cd70
992a f291 d2e0 0273 f1be 9a22 2191 5e5c 2043 8774
a1d1 e881 f846 40ea e77d 6b03 7506 3e7e 67db 8eae
1bc4 02f0 e858 81b8 40bd 7b6b 5249 3b19 9c74 d844
21e2 d6c3 b06d c883 e73e 558f 7a6d 81a5 ac24 63a7
eab2 e613 aabe 446d 72b9 d732 5f15 af99 bedc d47b
5d73 4f24 c5fe 2277 faa6 0c65 90a8 58a6 a864 14ae
da60 73fc c707 a8b5 edab 0132 ccd3 1341 8848 1575
74e6 5aca 9907 90c5 f4b3 b8bb 5a4b 90ac 41f6 2d60

ecb5 4f9f e4fc 43ed f3af e6e3 26a6 afd7 61d1 e2e6
7373 89a4 805d dbf6 993c e069 b9ba 9f12 06f1 cd73
c134 2d36 864b 1435 e61c d3f4 8cc3 0a65 5a26 9774
c87a ea21 21f7 9b16 1820 b0c5 8585 e4ba c937 95ae
8ddf 9689 8cd7 b99e 482f d6a8 a523 9cae 4044 3ac6
92bb 355a e295 0733 d06d 62f2 d953 21db f56b abf8
e59a 03b4 c7b9 9dfa aa4b c8aa eb7c 5c42 e3b9 5784
6356 b6b8 af27 57e6 d3cf 461b 3417 7f16 acdd b3f8
73f2 d95b 2889 3571 270a 24f5 5b57 0606 5585 ceaa
fe33 af84 8c5b 8105 1a6c b55f aa5e 7c54 0e9e 43ee
73d8 de9d 8fc4 0d01 2191 d5e8 4728 ada1 4169 b58b
26f0 7be7 f6b6 d560 21d8 9e80 5f66 c024 bd21 131f
7863 6ef0 8c62 d4ca d343 bda7 4bcc 7742 b56c 3100
be25 4bb0 6677 d054 9aaf aeab e3a2 7a91 0e32 4fb6
c943 cc38 87ae 17d3 d59f c66a ed32 4b0b a9b7 baf1
4a63 72cd 2f6b f346 abdd dc7a bc2d ad4f efa4 629d
7b68 e582 79fc 85bf baf4 66dc

Link 45079

10748/9139/7424 kHz, 01-08, 0400/0410/0420 UTC

1be9 b017 462d 0425 f4e7
583b 4f12 ddd7 0996 971b 56e2 f917 e2a0 dce1 15fa
2318 7b19 fdd3 2023 368d 8676 e3a5 22bd 3781 dd27
9d44 28a9 bd26 4a92 3a73 0171 351a 135f 3057 f7e0
0094 a861 2309 ff07 3014 0bb0 f647 ba1e 623f a6aa
b1e3 e248 a258 6330 6343 4701 e77c ae22 e493 4570
3397 0d38 4938 5a95 b0d8 cac4 2733 37b6 9705 e82d
4045 36de bf41 a1bd 3c33 d0ab 5ed0 6735 a716 077f
ef5d d327 7037 7350 8bf9 a22d 74c8 b85c 6139 4b2b
fbf7 40bd f828 a39b 1d49 1618 6c4d 28d0 61fd 8842
d41d bb57 d853 bfa0 3119 4876 b1b9 c0a0 c0bd 83b8
5bd4 e952 2314 dbdc b4cb 5187 b660 ec17 d2bc 3402
a0dc 4ce6 98ca 0526 768d 4347 1c95 fe31 5453 65a9
de17 de50 ee34 69d8 2eee 1c1e 7d09 60a9 ebb1 93ec
2597 14d7 7a0c 0c8b a040 3860 9f4f 9a2d 5a09 85a7
d2c9 d710 8b4d e411 fac2 9771 0b83 4a62 b476 3e63
b57a 603f 3758 ee53 bd8c 21a2 9b32 5a31 f454 977d
2080 501e 2560 4d92 9cee 3e3e 21bc 1641 1674 95e4
b796 906c e7bb 83ce 48f7 9a49 9174 6b15 4087 9084
91c3 cc98 043e 07d6 f7c4 780d b1fd 84d5 51ed 91ba
fcf3 f9a5 ec36 1d84 60e5 99b4 046c 3bc0 492b 8844
aebb 9f44 fa4c da13 4153 2597 e9ab faec ab68 16cb
f269 c318 98a7 d155 2092 4619 c304 8751 e587 2aae
caed 6b50 a6b2 f200

13548/11516/8145 kHz, 03-08, 2100/2110/2120 UTC

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45079 : 26th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 244
17965 20242 22587 03019 48756 32853 22553 29411

10748/9139/7424 kHz, 15-08, 0400/0410/0420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45079 : 15th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
59620 00000 00000 03516 51984 35967 00893 54990

Link 45114 / 45115

12223/10186/8094 kHz, 13-08/14-08, 0800/0820/0820 UTC

Block No 0 : Total Message Size 25 blocks : This transmission contains one message.

Block No 1 : Link ID 45115 : 12th of month : Msg Number 092 : Msg Type 07145 : Group Count (?) 156
39152 03842 18515 37256 06443 35473 59014 43810

1be9 b03b 98f0 785c 9cf4
4853 0f02 c015 b892 5518 091c 9307 3a64 b2a3 1300
1777 18fb 533a 7deb 6699 7c16 15e0 bbf5 bafb b5d8
e449 fa25 81b0 081f dee0 04ab a59f 52b1 9308 9e03
e484 5c48 91b8 d7b5 042b 3876 21a5 29c1 ed72 54cc
bfcd cca4 51a3 5cb0 45b1 921e f8a3 bbab 9c7c 9794
e855 c3b3 3584 c107 3a05 91ab b546 9717 47bd 8e14
e8d5 c27b 6807 150c 7197 935e 6a15 d061 4ab5 283c
aeae 50c5 623b bbd1 5af8 6198 3a44 0965 6ab3 3547
6707 7946 7ab1 bcf3 5419 03a9 8b0b 188c 3c87 6667
3487 a31a bbd5 e333 feaf f636 597e 508b ebcc 7cf3
a283 a02d bf3d 83b9 32df a58a 34e1 6f39 b68f 07c2
10bb da9d 278e 4d28 215a 135a 9976 042c f824 b426
3690 a3e9 b3d8 bd0e e311 c1e3 a489 2568 12dc d615
bbfa a290 e67e 3a67 6790 6271 0503 514b 994d e4d5
10ed 8997 8700

12223/10186/8094 kHz, 27-08/28-08, 0800/0820/0820 UTC

Block No 0 : Total Message Size 24 blocks : This transmission contains one message.

Block No 1 : Link ID 45115 : 26th of month : Msg Number 095 : Msg Type 07145 : Group Count (?) 150
42461 06082 08371 40270 06443 03640 58498 21563

1be9 b03b a5dd 045f 96f0
20b3 17c2 c015 b84c 3518 951c 9307 3643 b2b7 1300
1776 f3ed 78d9 3467 8a98 d2d6 4bf0 a42e 2e64 8b26
9551 35fb 3128 7615 c299 2066 6815 6f38 7320 00a3
afe9 769c 7180 edb2 6a2e ae1d ef45 7758 f66d e6fb
3ac0 15bd 252e 8f83 732f a352 56aa a853 e445 3203
fa69 1c21 ea77 16d3 d392 85b8 e91c 8fe4 4871 b876
3d04 34f2 cd70 b09b 8671 a81c 7893 66ea 6db8 6c32
4e9e 5fd1 1e23 1ce3 8116 e810 8e0e d422 b6a8 2d5d
f425 bc64 b192 fc25 9368 eae3 06f5 6098 0202 76cc
8b0d 72f1 9c78 248d 7997 2d4a e6d6 bfb3 9ce1 6825
8795 2758 f072 5fc8 4e01 dcb6 7518 442e a3e1 a59e
6b50 ebd3 54e0 e965 009a 5d77 9938 f6de 9ed3 88e7
c3b0 d156 a0c4 fb75 53f6 a3c3 541a 3ba6 89a6 a6cb
32e9 1214 0b13 7a62 fc12

Link 49202

15618/13374/11081 kHz, 03-08, 2200/2210/2220 UTC

15618/13374/11081 kHz, 17-08, 2200/2210/2220 UTC

15618/13374/11081 kHz, 24-08, 2200/2210/2220 UTC

Null messages

Link 49237

13439/11138/9244 kHz, 04-08/05-08, 1330/1340/1350 UTC

Block No 0 : Total Message Size 23 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 4th of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 140
58996 51059 35784 18180 54891 03275 55548 01986

1be9 c055 e674 2837 8ce4

8bc8 c773 2d33 0738 f5e8 587d c883 a70c 63f8 5295
ef7b b5c0 5d3f 4174 e8f1 0554 3b55 1be2 0c09 868e
38c5 64fc db12 eca1 3602 e2ce e497 4709 7530 0371
9d0c 81b3 4523 50e7 e09c 9ba2 9962 3175 0049 e111
1ea8 5be6 cdc6 8bd8 5ef3 d12c a609 cbd7 4af4 b480
d663 f231 30b5 cf39 cee8 4ebb 228e 3c54 0d35 af62
e079 e76f 8da6 de6c af99 8581 2ace ebc5 e564 580f
d8ca abd0 4cfb 82ce e561 aceb b5b1 7472 8449 98fb
b6eb 0982 bcf5 b00c d0b5 6fd5 8757 18ad 9c4b 65d9
59d3 45d7 2503 2c50 3c84 7e3b bf6f 29b8 1271 f2a7
f7e3 deb7 fb8b e462 dc9e df0a 9d08 f65c 48a4 94c2
4da3 d536 f2b0 39d2 80db dddc 676b d496 6652 bc24
b559 ca48 e550 e5fa 0bbf cf3f eae5 88a0

The first message since June 2, 2016. That's the 4th Family Ia schedule with the first message in months since last week, and all of them so far were digital.

13439/11138/9244 kHz, 11-08/12-08, 1330/1340/1350 UTC

Block No 0 : Total Message Size 21 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 5th of month : Msg Number 057 : Msg Type 07145 : Group Count (?) 130
40432 51219 34836 17472 49619 36003 09106 05597

1be9 c055 9df0 3239 82e9
8814 c813 2fb3 0789 4138 627d 2c83 b383 23f9 529c
2f7b 93d5 df77 a487 a662 8d45 80bd 3d9f 5469 764b
c312 c164 d368 7981 16d0 b423 6967 31c0 9bb0 6c49
1540 2a91 64ec d961 166a e297 4513 d144 687b be1b
e287 f597 a12e 1e33 1e75 5d34 6442 9936 3518 b8a3
acf1 2e34 34f4 20bf 3614 9263 d53d edc9 b3e7 6e9d
fac9 75d8 a400 269d e7a2 75f0 26de fab4 7491 e0f7
7d51 69e8 b3bd c278 ef13 4d69 32a0 6231 3422 3e56
b91e 0f52 b138 2bd7 62b0 ac68 ed0a 1eab 8d6f 224b
a5cc 4441 42c7 2e06 36d2 10aa 476d 7eba 24c0 8530
2401 b0d4 9283 9c12 764b 5882 92d6 b00f 5199 ac7a
3130 5307 b984 4ae4 5874 d883 ede8 41b4 8000

Note that the last two messages on links 20501 and 49237 were written on the same dates and have identical group counts !

13439/11138/9244 kHz, 18-08, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 18th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 4
52800 00000 00000 01359 49619 34242 00893 10129

13439/11138/9244 kHz, 25-08, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 25th of month : Msg Number 032 : Msg Type 07145 : Group Count (?) 4
20052 00000 00000 00331 54891 33183 00893 16430

Link 53277

17455/15923/13388 kHz, 03-08, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 3rd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 01694 15966 35127 00893 64118

17455/15923/13388 kHz, 17-08, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 17th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
51652 00000 00000 00739 22771 34116 00893 26659

Code	Freq	Date	UTC	Sequence
X06	15989	2-8	0824	Mazielka. Sequence: 125643
X06	12149	2-8	0837	Mazielka. Sequence: 154263
X06	14615	2-8	0937	Mazielka. Sequence: 125643
X06	13411	2-8	0949	Mazielka. Sequence: 165423
X06	16188	2-8	1207	Mazielka. Sequence: 325614
X06	13954	5-8	0547	Mazielka. Sequence: 213546
X06	9158	5-8	0958	Mazielka. Sequence: 361245
X06	11537	8-8	0808	Mazielka. Sequence: 421635
X06	7426	8-8	0840	Mazielka. Sequence: 421635
X06	16117	8-8	0943	Mazielka. Sequence: 463125
X06	14861	9-8	0812	Mazielka. Sequence: 542136
X06	13510	9-8	1008	Mazielka. Sequence: 612534
X06	17470	9-8	1010	Mazielka. Sequence: 216354
X06	11153	10-8	0802	Mazielka. Sequence: 465132
X06	16116	10-8	0852	Mazielka. Sequence: 134265
X06	9065	11-8	0732	Mazielka. Sequence: 561243
X06	13843	11-8	0821	Mazielka. Sequence: 153624
X06	16115	17-8	1108	Mazielka. Sequence: 215346
X06a	12213	26-8	1430	Mazielka. Sequence: 616161 before E07a
X06b	13383	1-8	1301	Mazielka. Sequence: 1----- before M12
X06b	14683	1-8	1302	Mazielka. Sequence: 1----- before M12
X06b	15983	1-8	1303	Mazielka. Sequence: 1----- before M12
X06b	16167	5-8	1758	Mazielka. Sequence: 1--6--
X06b	14663	5-8	1801	Mazielka. Sequence: 1--6--
X06b	16167	5-8	1804	Mazielka. Sequence: 1--6--
X06b	10868	6-8	0503	Mazielka. Sequence: 1--6-- before XPA
X06b	10868	6-8	0505	Mazielka. Sequence: 1--6-- before XPA
X06b	13368	6-8	0507	Mazielka. Sequence: 1--6-- before XPA
X06b	12168	6-8	0508	Mazielka. Sequence: 1--6-- before XPA
X06b	10868	6-8	0509	Mazielka. Sequence: 1--6-- before XPA
X06b	16314	9-8	1810	Mazielka. Sequence: 1--6-- before XPA2
X06b	14514	9-8	1811	Mazielka. Sequence: 1--6-- before XPA2
X06b	15814	9-8	1812	Mazielka. Sequence: 1--6-- before XPA2
X06b	16314	9-8	1813	Mazielka. Sequence: 1--6-- before XPA2
X06b	14738	9-8	1917	Mazielka. Sequence: 1--6-- before XPA2
X06b	13438	9-8	1921	Mazielka. Sequence: 1--6-- before XPA2
X06b	12138	9-8	1924	Mazielka. Sequence: 1--6-- before XPA2
X06b	14738	9-8	1926	Mazielka. Sequence: 1--6-- before XPA2
X06b	10868	10-8	0512	Mazielka. Sequence: 1--6-- before XPA
X06b	10868	10-8	0512	Mazielka. Sequence: 1--6-- before XPA
X06b	10868	10-8	0516	Mazielka. Sequence: 1--6-- before XPA
X06b	10868	10-8	0516	Mazielka. Sequence: 1--6-- before XPA
X06b	14514	11-8	1803	Mazielka. Sequence: 1--6--
X06b	15814	11-8	1804	Mazielka. Sequence: 1--6--
X06b	14514	11-8	1805	Mazielka. Sequence: 1--6--
X06b	16314	11-8	1806	Mazielka. Sequence: 1--6--
X06b	15814	11-8	1807	Mazielka. Sequence: 1--6--
X06b	16314	11-8	1808	Mazielka. Sequence: 1--6--
X06b	14738	14-8	1901	Mazielka. Sequence: 1--6--
X06b	12138	14-8	1902	Mazielka. Sequence: 1--6--
X06b	13438	14-8	1903	Mazielka. Sequence: 1--6--

Code	Freq	Date	UTC	Sequence
X06b	14738	14-8	1906	Mazielka. Sequence: 1--6--
X06b	10469	14-8	2006	Mazielka. Sequence: 1----- before M12
X06b	12179	14-8	2007	Mazielka. Sequence: 1----- before M12
X06b	13369	14-8	2008	Mazielka. Sequence: 1----- before M12
X06b	12187	16-8	1653	Mazielka. Sequence: 1--6-- before XPA
X06b	14514	16-8	1807	Mazielka. Sequence: 1--6-- before XPA2
X06b	15814	16-8	1808	Mazielka. Sequence: 1--6-- before XPA2
X06b	16314	16-8	1809	Mazielka. Sequence: 1--6-- before XPA2
X06b	12166	17-8	1856	Mazielka. Sequence: 1--6-- before E07
X06b	9266	17-8	1917	Mazielka. Sequence: 1--6-- before E07
X06b	10766	17-8	1918	Mazielka. Sequence: 1--6-- before E07
X06b	12166	17-8	1920	Mazielka. Sequence: 1--6-- before E07
X06b	13923	19-8	1830	Mazielka. Sequence: 6--1-- before XPA2
X06b	14663	19-8	1831	Mazielka. Sequence: 6--1-- before XPA2
X06b	16167	19-8	1832	Mazielka. Sequence: 6--1-- before XPA2
X06b	15814	23-8	1757	Mazielka. Sequence: 1--6-- before XPA2
X06b	16314	23-8	1758	Mazielka. Sequence: 1--6-- before XPA2
X06b	16314	23-8	1821	Mazielka. Sequence: 1--6-- before XPA2
X06b	14514	25-8	1818	Mazielka. Sequence: 1--6--
X06b	15814	25-8	1819	Mazielka. Sequence: 1--6--
X06b	14514	25-8	1820	Mazielka. Sequence: 1--6--
X06b	16314	25-8	1821	Mazielka. Sequence: 1--6--
X06b	15814	25-8	1822	Mazielka. Sequence: 1--6--
X06b	16314	25-8	1826	Mazielka. Sequence: 1--6--
X06b	13923	27-8	1740	Mazielka. Sequence: 6--1--
X06b	14663	27-8	1742	Mazielka. Sequence: 6--1--
X06b	16167	27-8	1759	Mazielka. Sequence: 6--1--
X06b	16167	27-8	1801	Mazielka. Sequence: 6--1--
X06b	16167	27-8	1895	Mazielka. Sequence: 6--1--
X06b	10766	31-8	1920	Mazielka. Sequence: 1--6-- before E07
X06b	9266	31-8	1925	Mazielka. Sequence: 1--6-- before E07
X06b	10766	31-8	1926	Mazielka. Sequence: 1--6-- before E07
X06b	9266	31-8	1928	Mazielka. Sequence: 1--6-- before E07
X06b	12166	31-8	1930	Mazielka. Sequence: 1--6-- before E07
X06b	12166	31-8	1933	Mazielka. Sequence: 1--6-- before E07
X06b	12166	31-8	1935	Mazielka. Sequence: 1--6-- before E07
X06b	9266	31-8	1936	Mazielka. Sequence: 1--6-- before E07
X06b	12166	31-8	1937	Mazielka. Sequence: 1--6-- before E07
X06b	10766	31-8	1938	Mazielka. Sequence: 1--6-- before E07



XPA

12187/10787/9387 kHz, 02-08, 1730/1750/1810 UTC

173 173 173 000

09734 00001 00000 10140

10868/12168/13368 kHz, 03-08/06-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
00344 00213 01582 13182 27330 12509 46576 90146 34449 32386
63852 76164 52254 92187 28121 88033 86817 99600 54474 13299
65629 49444 50366 39804 30756 45699 71297 54974 85850 86302
31052 99295 22165 55370 80936 49581 21970 82863 50939 75471
71192 66464 85621 63140 03403 52960 82234 27007 15509 96571
23321 34678 79469 24162 02178 55091 90185 47594 60577 43104
97701 02612 17555 22192 03270 22608 03918 03467 31100 72689
90487 74780 62097 21296 47296 38074 64906 53184 00392 27249
26209 83224 29551 93005 00373 60223 24998 81740 53886 70119
66636 66524 70234 02034 17125 37121 42093 60528 13461 55721
66343 14965 19012 23555 61270 66841 70409 68536 05691 12398
36288 43032 30055 76620 19395 19985 54828 50951 58148 15284
29376 55585 16960 19898 90779 36230 70012 26386 62378 45688
21394 23492 97775 08641 53239 61412 11640 06170 56943 85974
12194 36145 36406 19604 35132 75490 89777 72711 83680 66299
35147 27748 83460 92420 88113 10583 43835 48198 02285 08307
85422 03806 67741 72004 77468 72423 16635 67293 79140 46512
10955 10608 64134 80149 22133 96079 31545 15646 40053 73164
10919 94668 64422 96920 00643 12936 05193 87941 28578 08637
94989 63612 76604 94814 03352 69923 70834 59480 00266 20161
87227 18527 29598 26191 73749 18139 81365 44207 31903 28482
07084 67971 81869 19224 75984 31766

12187/10787/9387 kHz, 04-08, 1730/1750/1810 UTC

173 173 173 000
05421 00001 00000 10140

12187/10787/9387 kHz, 09-08/11-08, 1730/1750/1810 UTC

173 173 173 1 173 173 173 1 173 173 173 1
06858 00231 61999 51307 94435 49213 62331 95156 53307 16959
43833 69365 09798 78854 52831 46352 24561 68454 81732 36817
28472 56834 50548 25848 00826 02368 93432 01906 20960 12631
74549 92617 76251 45309 59236 59265 83490 07936 55288 12190
65265 08903 28446 40986 52667 90799 92232 61340 73095 81389
16712 16884 25755 92999 32472 65324 37125 39943 93033 90768
74989 89433 24259 49012 78609 26338 07634 21296 48258 69262
09208 60363 18866 66346 51877 91627 56751 86874 08166 84418
52067 68607 87329 90510 72198 00972 05327 37842 48488 92172
65805 79648 28540 39606 29757 38386 92807 08979 40827 18107
44637 69536 84223 31189 24402 53967 40867 24490 79058 08775
67254 13157 64443 75124 13685 32455 08419 60671 99358 64373
08627 38039 38825 59503 81863 26180 93915 02782 67906 68936
65769 87378 10876 34712 28401 20334 95058 02072 01288 69853
60052 26289 48053 16265 93014 06943 28065 43748 17334 65929
39147 69428 91110 18243 96604 86422 46005 49890 99907 92488
27856 38031 05668 00024 49436 07731 12459 17214 74851 55592
39867 53297 46456 14779 74317 13196 85876 68030 45222 87174
69764 35724 00321 47194 96027 72281 12620 40733 65227 07215
17316 92586 52173 59103 73072 48591 88291 90842 87847 02625
09125 26377 20449 54221 34706 11269 97683 28957 32561 72222
29033 30112 44070 92011 16303 82366 84149 25717 30622 05519
29929 59385 49188 06541 76908 01231 03678 50277 73565 26354
44548 57238 35035 56251

10868/12168/13368 kHz, 10-08, 0600/0620/0640 UTC

813 813 813 000

07738 00001 00000 10140

10868/12168/13368 kHz, 13-08, 0600/0620/0640 UTC

813 813 813 000

05677 00001 00000 10140

12187/10787/9387 kHz, 16-08, 1730/1750/1810 UTC

173 173 173 000

09657 00001 00000 10140

10868/12168/13368 kHz, 17-08/20-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1

05405 00197 75897 68666 19566 95909 67181 55645 96204 37632
28473 19870 96993 74214 07503 65264 52552 03020 06147 42924
31966 28985 79223 70987 68551 90420 23823 19496 62256 11160
46280 99426 90495 11579 82389 51749 50808 53120 64049 02528
65910 04112 35841 26128 78945 25756 06459 78855 17671 95966
28701 74820 31886 91669 13153 33465 31597 82016 55697 13965
21052 55507 75117 23326 40713 42048 92521 93285 62171 33084
90084 97174 61399 94995 08444 71307 75853 67426 14920 72327
60158 38515 11234 88997 98691 88270 27182 72672 54848 55003
20769 40116 37683 20957 35232 03673 25820 74046 95317 39136
02397 13358 07858 91177 38038 12345 57701 48038 85630 16403
23606 40606 34200 02556 49432 96306 78478 04141 73070 44280
39784 19063 66323 83461 43687 09438 67717 54374 14521 31520
27235 16515 26460 72595 28713 36260 52016 78643 86944 42433
67057 46508 97004 74730 51186 78968 54678 58977 54929 10751
60918 73019 10212 37559 22647 15438 62486 58318 00102 11041
85541 22822 54858 98552 35760 96756 70551 62150 21711 11629
11754 26139 34299 56896 58244 98720 13264 74645 96732 84018
09625 82573 27462 89694 78325 61906 46501 48073 21801 17605
37186 84395 13337 43543 61188 96131 14569 50097 94630 25120

12187/10787/9387 kHz, 18-08, 1730/1750/1810 UTC

173 173 173 000

03701 00001 00000 10140

12187/10787/9387 kHz, 23-08/25-08, 1730/1750/1810 UTC

173 173 173 1 173 173 173 1 173 173 173 1

06650 00291 16735 34575 43871 53135 89900 70889 90478 73332
49845 46622 52152 66134 24139 72791 73942 30309 06839 54956
41107 51174 69753 28261 10942 87601 31936 31019 63818 21910
22078 81959 49092 71127 48858 55002 72182 64429 53672 87622
35900 31973 56315 13537 20374 65679 15838 54043 14978 26074
52366 66438 42357 99788 85288 74282 08446 99993 19061 71644
72662 86971 56167 85344 54798 73877 36419 75070 88809 44905
17639 75324 84327 74048 61917 15254 03109 73381 95070 91207
47215 53954 04698 15269 50737 12214 38403 92053 71499 66550
61816 55379 88079 11939 95524 11300 38466 02564 14677 14104
06944 15252 20539 52011 22296 22932 56332 69474 70393 09425
34189 14346 07837 09333 16734 78210 98561 37763 43214 19717
19090 52070 78374 99159 51680 80721 84766 84147 24770 58065
71195 92196 15149 66831 39442 90369 37956 05400 94562 45355
00956 89855 32781 55210 18671 36023 78631 28783 07484 33217
50405 39443 41402 26715 62298 46142 04382 10117 81306 10640
88732 99646 26465 87246 27699 86708 11219 12563 50899 12079
73255 50863 87186 62075 63110 95512 01298 29219 36909 59753

54784 99736 23655 92694 07972 21342 46383 53006 89586 27396
95238 66988 99205 75930 50467 07756 74425 14921 72460 94270
92868 83367 37478 15699 14107 43645 31411 26085 22076 61629
31974 39402 63189 81289 73272 45001 88737 65454 65789 33318
93091 94196 43654 88228 00577 23337 42428 05240 29103 07019
73776 73217 01805 01006 73939 35677 47218 64286 56532 97295
08433 07703 74258 78407 79668 96497 89161 35291 07481 06915
98944 85958 60071 59201 36903 15523 34749 61592 91086 05072
50213 50285 12421 05210 79644 71564 44199 31044 69583 49431
32971 65202 49795 72414 44935 65049 35039 72301 20482 66380
67292 40654 90991 90490 50709 71794 98549 54694 63820 78550
81414 42044 10154 77573

10868/12168/13368 kHz, 24-08, 0600/0620/0640 UTC

813 813 813 000
05729 00001 00000 10140

10868/12168/13368 kHz, 27-08, 0600/0620/0640 UTC

813 813 813 000
08998 00001 00000 10140

12187/10787/9387 kHz, 30-08, 1730/1750/1810 UTC

173 173 173 000 01275 00001 00000 10140

10868/12168/13368 kHz, 31-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
06610 00221 46447 31894 09092 57823 21228 92343 32706 01540
92351 09394 33971 96416 01268 91041 30418 06321 28050 48191
80088 24641 19880 02097 31418 96064 44431 79992 16269 48165
89224 43456 54204 59415 13583 95478 02891 90024 02702 56167
45901 22876 86391 67731 96794 65349 10531 51993 09912 65039
55981 61885 88672 07231 49922 47866 70671 19195 35093 07244
88276 85560 63754 76606 29045 33136 60512 31206 35958 33339
32362 37619 31647 52948 43116 99793 78803 39125 45773 33618
20933 67732 08658 69166 70088 63244 91712 62641 47825 61118
29547 52551 37888 62487 04217 36650 84763 58648 00523 78527
65431 58175 48327 72469 23509 40220 02088 07255 73435 98428
46300 02288 99741 15156 79122 01024 20480 06322 93279 87893
71311 70291 50526 88623 34946 43107 83306 11131 93738 74145
67182 64224 68747 36920 64257 07707 75773 55800 19614 09700
73920 49832 52720 06436 69296 41880 01665 21966 15699 82681
51334 07613 31457 37371 00214 77895 64666 93123 17617 72864
65640 98433 57172 98137 00141 12192 35239 27548 77858 26905
75975 41679 61352 15562 49589 25711 92964 10903 38319 46401
35802 65992 03176 15067 94910 18400 07067 63327 27223 20773
88801 49636 57654 65050 43653 54176 94142 70751 90555 56796
92198 39446 99765 14906 09113 77026 15470 23458 92224 42722
87692 45508 37315 54516 41058 44275 83910 95866 35454 64908
03052 51488 46315 31531



XPA2

20049/18549/17449 kHz, 02-08, 0700/0720/0740 UTC

09900 00001 00000 10140

16314/15814/14514 kHz, 02-08/04-08, 1900/1920/1940 UTC

03122 00171 14797 14459 90916 24318 71447 74968 63075 09220
26597 37631 42166 89970 26614 51720 83518 65998 28110 95197
09424 53229 10862 79335 49311 34698 11662 78287 19322 66135
11579 48759 20951 85654 60558 23401 41793 20839 55823 43251
06111 24585 38475 81117 20503 18711 20064 79436 41316 54642
38837 67582 87503 78026 24888 53607 53208 02013 23122 66046
87571 68285 33610 23174 32252 65395 55060 27421 99490 65287
93088 92007 82233 54925 31046 62211 69387 45878 52483 84564
84651 30146 35656 80385 83758 07548 29327 69948 99253 62790
36383 85200 51201 01901 89821 58641 03515 75382 94662 77355
03509 99235 30589 46506 64573 90560 07511 34635 44458 09937
97559 66000 99923 44639 85497 75450 69150 80708 42782 56081
59702 39194 66394 69499 35527 31266 42877 65463 93901 11399
09952 22743 31545 59044 99791 41136 22585 84356 09675 24951
67345 34230 87694 59966 25206 46858 91062 54675 19388 95941
34331 78215 40444 78369 94447 94908 53317 23437 12058 81156
82337 41285 70788 84851 23630 13129 15327 58679 37754 26279
37898 80982 89803 25430

14738/13438/12138 kHz, 02-08/07-08, 2000/2020/2040 UTC

06249 00069 16046 97978 76818 76863 49753 60878 02883 80155
55076 30498 47902 58566 91893 05410 78214 57129 17553 91248
51047 11012 40172 94111 41617 07169 02111 72536 57636 54290
87671 66036 68704 05644 61175 54419 85816 37211 07594 43192
86585 06019 66660 88966 38355 92972 74887 43363 22066 87717
81394 23897 54667 29529 91002 43791 46381 87823 71887 31378
56553 11661 83340 45636 05809 18356 74803 27586 72014 98170
60907 36151

20049/18549/17449 kHz, 05-08, 0700/0720/0740 UTC

06824 00001 00000 10140

16167/14663/13923 kHz, 05-08, 1900/1920/1940 UTC

01037 00001 00000 10140

16167/14663/13923 kHz, 06-08, 1900/1920/1940 UTC

02417 00001 00000 10140

20049/18549/17449 kHz, 09-08, 0700/0720/0740 UTC

05036 00097 82378 87008 29970 70954 84624 90704 63657 95536
58827 51243 42030 60049 14766 47827 45496 37869 04098 46192
84954 40312 02947 02495 87786 76075 04258 75361 23430 20734
08887 23649 69402 03638 76075 77140 91589 60696 94924 82179
21539 87872 72907 13597 89904 03889 04101 87998 30357 30493
48649 95206 60379 01558 56174 70772 63002 60379 41836 67764
57751 93377 08969 30759 40467 68666 99922 61933 04909 08832
44332 80532 81779 01663 84023 07124 49594 60093 58775 65938
65185 45048 58152 16988 23482 07758 74432 60684 09737 78643
55550 57652 81153 85144 79143 93295 55386 30934 01079 25472

16314/15814/14514 kHz, 09-08, 1900/1920/1940 UTC

05653 00001 00000 10140

14738/13438/12138 kHz, 09-08, 2000/2020/2040 UTC

05292 00001 00000 10140

16314/15814/14514 kHz, 11-08, 1900/1920/1940 UTC

06917 00001 00000 00140

16167/14663/13923 kHz, 12-08/13-08, 1900/1920/1940 UTC

01165 00079 00885 45014 69803 88913 00694 58033 78843 94362
27965 87671 90828 99396 80721 82278 97929 47954 28070 11708
14667 55895 34574 77171 63273 54859 71454 63601 46043 77897
23399 35180 15141 57936 17178 13476 84131 79247 04811 39050
45750 18575 44794 03372 75835 77994 45472 36621 11690 24808
95167 19708 54696 46911 74775 98054 68585 76742 79470 89455
07156 93291 37767 69182 09387 52292 30744 19166 42713 21651
22120 40273 45433 78418 71165 55232 81083 32905 59372 91436
43048 56667

14738/13438/12138 kHz, 14-08, 2000/2020/2040 UTC

04629 00001 00000 10140

20049/18549/17449 kHz, 16-08, 0700/0720/0740 UTC

08825 00001 00000 10140

16314/15814/14514 kHz, 16-08/18-08, 1900/1920/1940 UTC

00323 00195 12375 58480 69721 06994 90851 01754 26746 39857
91969 26612 18582 16968 78128 58842 33623 79175 38132 05355
33284 05381 39899 50347 62674 47118 25350 91671 28338 17525
08877 23598 18933 67747 89397 90240 21604 41081 15300 01731
05649 75593 73646 02640 84641 33805 37493 57381 91071 86141
53768 01804 55399 54319 31399 46119 23903 88362 48756 50142
51638 86081 00302 03297 81843 67672 13106 18124 00455 92588
88934 64886 86742 66237 44944 39571 99388 33905 72944 52062
59290 88274 17530 47276 30476 48503 38255 47630 61963 01134
92773 29361 55564 14605 22330 18842 06981 13475 83811 46810
42947 67391 92764 27792 70824 02992 24157 20522 53329 56467
25442 91024 60871 63541 85962 68084 48705 77902 91084 75384
03937 67746 92532 03165 34167 11860 90942 18763 43866 33370
73156 97728 35509 10625 47712 21921 84926 71418 20850 55533
65669 67568 66646 12038 54309 00154 58010070256 28033 70555
02872 53850 07019 21190 68993 64650 38838 09805 25645 33061
64004 42522 99085 37185 59930 45134 06235 55507 90871 13946
28267 14445 27207 07028 29524 09743 22289 03023 11394 92233
04795 99844 48337 13080 45431 65440 08262 83390 40506 23906
31946 49452 70810 85953 58767 24368 07816 32233

14738/13438/12138 kHz, 16-08/21-08, 2000/2020/2040 UTC

05468 00085 02944 08321 21190 95108 00628 62342 57046 21932
84319 05525 17739 80297 19171 78062 35203 27926 60325 03132
67555 26532 51124 36879 00895 76072 59348 23937 55923 09729
60986 35097 93647 88017 36749 64218 40699 83189 51864 71690
49054 51021 22326 06184 94915 05897 49412 84691 93649 89600
19389 09377 98468 03760 68774 74499 08718 88539 70384 22878
79411 76961 76967 16917 14927 93491 77239 24451 61853 44658
80939 36444 00912 65587 87140 88855 11070 88807 23748 22332
25571 13663 67844 77445 19977 83717 15685 11243

20049/18549/17449 kHz, 19-08, 0700/0720/0740 UTC
03041 00001 00000 10140

16167/14663/13923 kHz, 19-08, 1900/1920/1940 UTC
08875 00001 00000 10140

16167/14663/13923 kHz, 20-08, 1900/1920/1940 UTC
08092 00001 00000 10140

20049/18549/17449 kHz, 23-08/26-08, 0700/0720/0740 UTC
01520 00088 36862 13809 70856 06860 13175 18602 20700 56003
20204 60773 73550 37062 57828 85763 50603 23606 48660 87678
00605 02886 86735 77437 30205 77068 82383 36883 23808 84653
55088 77507 08020 63888 48853 33362 65006 45282 24330 63067
13383 36666 40863 00288 00551 44496 74088 99908 08600 71665
64856 66805 38165 05325 85888 08480 28113 62873 88378 61780
58105 56331 07736 46280 60207 52276 02327 76448 42036 38873
44222 53446 85211 70820 64500 44463 60110 42244 16666 83557
32088 76700 57787 00781 22444 27712 83281 41775 76077 34804
11458 51566

16314/15814/14514 kHz, 23-08, 1900/1920/1940 UTC
02000 00001 00000 10140

14738/13438/12138 kHz, 23-08, 2000/2020/2040 UTC
08402 00001 00000 10140

16314/15814/14514 kHz, 25-08, 1900/1920/1940 UTC
03762 00001 00000 10140

16167/14663/13923 kHz, 26-08/27-08, 1900/1920/1940 UTC
07965 00103 93784 42771 92048 85716 41276 45096 20201 40732
50061 70685 16596 23225 87662 87887 37076 90316 31807 76774
28040 26123 81072 50897 91128 11970 80460 44609 22636 50448
22228 64370 72328 22455 48577 71532 84536 04118 40711 68789
41820 72618 06088 16256 62845 31569 76230 94084 66847 16086
44038 45075 28711 91393 77630 17693 01000 10145 15699 05622
58230 26667 44214 16900 13879 69290 85418 89934 76014 49329
72129 11079 07979 73021 17713 42622 30558 98340 13574 71530
69633 08865 41081 06703 01636 46851 45443 98126 81412 34003
93393 55263 51303 50667 05897 95730 77023 88727 62974 52558
20642 99957 34556 13256 41947 74653

14738/13438/12138 kHz, 28-08, 2000/2020/2040 UTC
08988 00001 00000 10140

16314/15814/14514 kHz, 30-08, 1900/1920/1940 UTC
01572 00183 38963 70870 49751 54680 08176 12654 23671 18008
32602 18804 81724 74883 94242 07976 97152 55979 75271 85211
49149 36062 87168 91847 72335 93116 83457 42529 94702 28203
85524 71716 47751 97421 11499 62701 16293 91054 07556 02888
07739 00093 95553 62949 43903 63459 38887 47014 23506 86486
17852 58337 28633 61704 60081 64285 92024 56660 62685 09357
54790 85669 85653 60762 64477 61250 14558 63945 47888 88009
88850 81544 55722 18235 80877 89921 25578 00231 73966 17666
26560 84858 77811 95560 63410 66656703448 51772 84880 20001
42386 74406 18004 70836 49616 93665 65588 98086 65570 90586

64477 36717 91033 98456 80603 50456 06440 03540 34375 63332
92332 62050 80088 22588 46433 68304 88311 00469 00286 14337
99504 87050 36751 53235 03573 20095 35257 91629 97726 13686
41449 27015 75929 82262 68691 71755 78121 44036 26447 36281
05081 01466 98464 18839 61754 27889 35848 00003 93100 02629
17718 53904 58547 62261 04671 94190 87375 66363 93542 87644
17090 75659 98716 52673 31406 30552 00053 68298 86566 03250
98805 53082 04674 91686 83476 45664 03574 88713 84835 37209
90466 18444 80892 47744 56654 00224

14738/13438/12138 kHz, 30-08, 2000/2020/2040 UTC

08864 00093 78099 42948 93891 24827 60627 43623 81394 09456
32942 36427 14872 29355 67117 58983 44311 51163 91870 28842
10630 09930 84064 88007 24420 67563 93776 68154 72463 48905
80108 34026 36071 07572 87138 85004 67581 89856 02805 18191
24338 11717 44219 14418 31348 98808 67994 79245 41258 31813
55177 41772 97867 12224 83842 34937 39712 53616 66331 41030
00067 09860 84874 75658 62306 76633 07924 88419 28982 41056
91223 80094 18424 68229 20235 81650 07878 82195 38884 23992
14449 07766 20133 12269 45546 11934 63751 91280 67546 98683
26968 02025 09415 06315 14071 75243



F11

Mode: FSK 100/625

14575 kHz, 02-08/05-08, 0655/0700 UTC

0684 0684 0684 0684 0684
88888 88888 82758 26372 61424 69569 78274 60084 86755 28076
54314 89546 12354 72665 79878 79148 75671 04720 21601 44056
45259 99800 43733 61907 62352 28194 06793 25772 22217 17941
96666 72532 94430 19222 04339 55676 70479 31275 74641 38225
98902 60737 88888 88888
00044 00044

13537 kHz, 03-08/05-08, 0530/0535 UTC

0453 0453 0453 0453 0453
88888 88888 58374 41976 10020 01344 85439 66629 99790 18434
56734 05756 07789 58318 91924 20788 55217 87276 60893 22698
36421 01745 10193 80338 64788 35809 01553 99292 48249 58855
63423 40124 38493 12708 88888 88888
00036 00036

13470 kHz, 09-08/11-08, 0630/0635 UTC

0574 0574 0574 0574 0574
88888 88888 43767 93187 01578 43263 15497 38746 08195 38635
29012 33354 92898 91882 91230 39305 96413 20746 62764 38215
47091 91588 76229 98378 85399 71278 96723 61625 75579 63880
34743 08293 04375 88888 88888
00035 00035

8423 kHz, 09-08/12-08, 0900/0905 UTC

0554 0554 0554 0554 0554
88888 88888 72982 67223 37018 03643 12419 32070 35593 13015
65883 80709 55331 14696 52152 99714 95820 95707 21683 30971
31724 81456 76925 97458 88722 26141 46715 76048 43693 11127
14706 85428 32353 12614 22587 37654 88888 88888
00038 00038

6480 kHz, 15-08/18-08, 0800/0805 UTC

0434 0434 0434 0434 0434
88888 88888 23439 03985 38399 87745 83742 20923 29132 66124
72884 90074 49854 97961 63513 69839 42298 99500 48346 30042
29689 92002 74746 03198 36127 08423 02233 35652 39627 93561
35094 07019 48368 26007 70493 53537 15133 25401 59791 72206
88888 88888
00042 00042

13424 kHz, 15-08/17-08, 0845/0850 UTC

0353 0353 0353 0353 0353
88888 88888 72882 37398 33748 38520 39358 78559 52976 38458
53198 99195 21008 36798 97232 51983 40518 14813 04790 89771
81728 06669 11900 01097 47000 11466 69320 91797 50356 31232
48512 63886 37182 82401 37132 74704 88888 88888
00038 00038

10210 kHz, 16-08/17-08, 1150/1200 UTC

0325 0325 0325 0325 0325
88888 88888 94655 77389 93350 21260 37259 54391 40915 98830
19718 51482 56839 55886 68931 95087 22007 15257 93481 28017
02078 20463 48050 53756 52911 31099 00424 45003 42012 49966
29533 04303 32799 52051 74667 32404 66046 82403 59923 06394
88888 88888
00042 00042

7837 kHz, 22-08/25-08, 0515/0520 UTC

0446 0446 0446 0446 0446
88888 88888 81274 41351 54854 81077 02824 47196 95245 92274
01995 21603 93666 88450 88852 22790 09438 94486 51828 62449
15581 60455 21723 56975 69904 33266 03604 20567 13602 24202
06867 35481 85474 14149 07010 04763 33609 77331 53596 30885
88697 57119 88888 88888
00044 00044

14940 kHz, 25-08, 0730/0735 UTC

0433 0433 0433 0433 0433
88888 88888 25743 09108 74010 67982 55658 64958 64438 63165
06973 77241 53064 73241 20751 61895 17755 56405 43200 57192
18124 75222 50850 06200 35421 80366 56085 68628 86920 63790
68620 80895 83536 47694 76003 21086 88888 88888
00038 00038



North Korean diplomatic stations

Freq	Date	UTC	Mode
14148.5	2-8	1323	DPRK-ARQ 600/600 LSB
14150	2-8	1325	DPRK-ARQ 600Bd/600 LSB
14444	2-8	1325	DPRK-ARQ 600Bd/600 LSB
14555	2-8	1325	DPRK-ARQ 600Bd/600 LSB
14777	2-8	1325	DPRK-ARQ 600Bd/600 LSB
14229	2-8	1358	DPRK-ARQ 600Bd/600 LSB
14331.4	3-8	1323	DPRK-ARQ 600/600 LSB

UTILITY ROUND-UP



Intelligence news

These cryptic tweets were posted by Edward Snowden. No idea what they mean. Lots of theories appeared on the internet, including the dead man's switch theory. Edward Snowden was captured or dead was said. Apparently not. A couple of days later Snowden was active on Twitter again.

3 August 2016



Edward Snowden ✓
@Snowden

Follow

Did you work with me? Have we talked since 2013? Please recontact me securely, or talk to @bartongellman. It's time.
[twitter.com/bartongellman/...](https://twitter.com/bartongellman/)

12:15 PM - 3 Aug 2016

↩️ ↻️ 490 ❤️ 949

5 August 2016



Edward Snowden ✓
@Snowden



Following

ffdae96f8dd292374a966ec8b57d9cc680ce1d23
cb7072c522efe32a1a7e34b0

RETWEETS
613

LIKES
650



12:14 PM - 5 Aug 2016

↩️ ↻️ 613 ❤️ 650 ...

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Wolfgang, Antonio, JPL, Jay



M32

Russian / CIS Military CW Stations

14842 kHz, 15-08, 1137 UTC
16223 kHz, 15-08, 0837 UTC
16223 kHz, 15-08, 1021 UTC
14411 kHz, 15-08, 1145 UTC
7827 kHz, 24-08, 1016 UTC
7827 kHz, 24-08, 1027 UTC

XXX WEGI WEGI 0D70 FAKSOPYL 703 OUTSÜT K
XXX WEGI WEGI 12400 USATYJ 1197 60IO9 K
XXX WEGI WEGI 37784 WOZLEVANXE 1752 7190 K
XXX XXX WEGI WEGI 26860 01870 FAKSOPYL 4703 1272
XXX XXX HOI1 HOI1 52921 ChARFOTAV 4415 5000
XXX XXX HOI1 HOI1 11703 ChIKOSRYW 2767 9977

3848 kHz, 22-08, 1803 UTC

SRA1 SRA1 DE MIXF MIXF K
MIXF QSA 1 R K
6SVA 6SVA 6SVA DE MIXF MIXF K
MIXF QSA 1 R K
FN7W FN7W FN7W DE MIXF MIXF K
FN7W FN7W FN7W DE MIXF MIXF K
MIXF QSA 1 R K (1806z)
DCFF DCFF DCFF DE MIXF MIXF K
MIXF QSA 4 R K (1807z)
KNLO KNLO KNLO DE MIXF MIXF K
MIXF QSA 4 R K
IA5A IA5A IA5A DE MIXF MIXF K
MIXF QSA 1 R K
A2CN A2CN A2CN DE MIXF MIXF K
MIXF QSA 4 R K



M32a

Russian Navy

Voyenno-Morskoy Flot Rossii

16228 kHz, 15-08, 0806 UTC
15586 kHz, 15-08, 0820 UTC
15586 kHz, 15-08, 0850 UTC

XXX XXX LR43
RJV RJV 10462 BINTOTYL 264 5 0952 K
RIP90 DE RCV" followed by NAWAREA nav. warnings

3876 kHz, 16-08, 1805 UTC

RJD52 DE RCQK QSA? QTC K
RJH46 DE RCQK 725 18 16 2100 725 = FM RCQK FOR RJD52 RJD88 =
16181 99430 10476 41998 01805 10250 2//// 40063 57001 70200 80000 22200 88000 80000 16014 = + RCQK K

3876 kHz, 16-08, 1814 UTC

RBGR 217 18 16 2100 217 = FM RBGR FOR RJD52 RJD88 =
16181 99425 10480 41/97 13403 10260 40187 54000 70000 8//// 22272 00260 88000 80000 16014 = + RBGR

3876 kHz, 16-08, 1818 UTC

RJH46 DE RHI86 214 17 16 2101 214 = FM RHI86 FOR RJD52 RJD88 RIW =
16181 99416 10492 41/96 91404 10033 4//// 5//// 22232 1//// 2//// 5//// 16012 = + RHI86 K

3876 kHz, 16-08, 1826 UTC

RJD52 DE RMP80 QSA? QTC K 1827Z RJH46 DE RMP80 310 19 16 2100 310 = FM RMP80 FOR RJD52 RJD88 = WWHH/
16181 99430 10475 41/97 /1406 10290 40245 57017 70200 22200 00/// 1//01 88/// 8//// 16015 = + RMP80 K

3876 kHz, 16-08, 1826 UTC

rmp80 de rjh46 qsa2 qrv k

3876 kHz, 16-08, 1836 UTC

RJD52 DE RBEP QSA? QTC K
RJH46 DE RBEP 681 18 16 2100 681 = FM RBEP FOR RJD52 RJD88 =
16181 99404 10510 41998 00508 00270 40960 5//// 702// 22272 299// 88000 8000 16013 = + RBEP K

8345 kHz, 16-08

RCV DE RJC20 482 18 16 2100 482 = FOR RJE73 RJH45 =
16181 99372 10262 41997 03208 10270 40110 56010 70200 81000 22272 00260 20202 88000 80000 16015 = + RJC20 K

12464 kHz, 16-08, 1307 UTC

RIW DE RJI24 QSA2 K
OK QAP K
OK QSU1 QWH 13086 QSX 12260 K
AS2 K
OK QSU1 SK

12464 kHz, 16-08, 1509 UTC, RJP99 Gorizont

RIT DE RJP99 184 17 16 1813 184 = FOR RJH74 RJH45 =
16151 99733 10804 42498 70595 12071 40203 54000 875// 22200 00308 90201 88000 80000 16014 = + RJP99 K

12464 kHz, 16-08, 2109 UTC, RJP99 Gorizont

RIT DE RJP99 476 17 17 0005 476 = FOR RJH74 RJH45 =
16211 99733 10804 42598 60704 10061 40184 57012 83531 22200 00118 20201 88000 80000 17014 = + RJP99 K

12464 kHz, 16-08, 1707 UTC, RHI99 Alexander Shabalin

RCV DE RHI99 K OK QYT4 QWH 8338 QSX 9248 K

12464 kHz, 16-08, 1211 UTC, RJC20 MB-31

RCV DE RJC20 716 18 16 1505 716 = FOR RJH45 RJE73 =
16121 99364 10267 41798 13417 10290 40120 54010 70200 81000 22282 00260 20203 88000 80000 16015 = + RJC20 K



M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

8816 kHz, 16-08, 0904 UTC

RJC38 RJF94 DE 30775 QAY XLPB 0901 QBG 6400 K
QAY ULWC 1001QBG 4000 QBD 2600 K
QTH 5539 3656 QTR 1102 QBD 1900 K
QQM XUMO 1119 SK

8816 kHz, 16-08, 1242 UTC

RJC38 RJF94 DE 30775 QTO 1231 QRD XLMV XUMO QRE 1635 QBD 5100 K
 QAY ULWC 1330 QBG 6100 K
 QTH 6333 3533 QTR 1432 QBG 6100 K
 QRE XLMV 1615 K
 QTH 6727 3247 QTR 1532 QBD 1900 K
 QQM XLMV 1608 SK

8816 kHz, 16-08, 1427 UTC

RJF94 RJC48 DE 75157 QTH 6943 3943 QTR 1422 QBG 7300 QRE XLMV 1500 K

8816 kHz, 24-08, 0715

rjf94 rjc38 de 30770 qto 0700 qrd XLAA XLMV qbd 5200 qre 0900 k
 qth 6538 3403 qtr 0700 qbg 5800 qre XLAA 0910 k
 qqm XLAA 0910 sk

8816 kHz, 24-08, 1035 UTC

rjf94 rjc38 de 30770 qto 1020 qrd XLMV XLAA qbd 5200 qre 1230 k
 qth 6539 3443 qtr 1120 qbg 5500 qre XLMV 1230 k
 qqm XLMV 1235 k

8816 kHz, 24-08, 1358 UTC

rjf94 rjc38 de 30770 qto 1345 qrd XLAA XLMV qbd 5000 qre 1520 k
 qth 6607 3913 qtr 1445 qbg 5800 qre XLAA 1520 k
 qqm XLAA 1520 sk

8816 kHz, 24-08, 1636 UTC

rjf94 rjc38 de 30770 qto 1625 qrd XLMV XLAA qbd 5200 qre 1825 k
 qth 6651 3453 qtr 1720 qbg 6100 qre XLMV 1820 k
 qqm XLMV 1810 sk

Note: XLAA = Arkhangelsk and XLMV = Severomorsk-3



JCS FOXTROT MESSAGES & EMERGENCY ACTION MESSAGES

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz

10-08, 0826 UTC	Broncos	Skyking Broncos Time: 26 Authorization: AU
10-08, 0831 UTC	Broncos	Skyking Broncos Time: 31 Authorization: IL
10-08, 1434 UTC	Dry Farm	30 chr EAM 5CP4GG 2242ZPLHNSUMXCCJZB36LGBP
10-08, 1439 UTC	Dry Farm	30 chr EAM 5C47SO KN3L55OZAET3LZD7BQQ3TJYL
10-08, 1504 UTC	Dry Farm	30 chr EAM for Luris TI6IQG NODW7LDKMS3QIUCFYMNJHV5J
10-08, 1538 UTC	Dry Farm	30 chr EAM for Luris TIB034 GTA2UJV5FEKFNTLJR2J3GAGR
10-08, 2101 UTC	Reaffirm	30 chr EAM for Saint TIJ2SS Q7FHHZYKL disregard this message
10-08, 2103 UTC	Reaffirm	30 chr EAM for Saint TIJ2SS Q7FHHZYKLSQWZCH42ESER3SH
10-08, 2106 UTC	Reaffirm	30 chr EAM 5CMVII 2OLYYQ7PXPCMYB5G6KVZK5AQ
10-08, 2126 UTC	Reaffirm	30 chr EAM for Saint TI4AMC 34SWURT7352LSPNGSG7FFMJ
10-08, 2134 UTC	Reaffirm	30 chr EAM 5CJOBS U3737JXHPTYX4HFGKEECPQL6

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Ctrb
DPRK	14148.5	2-8	1323	Tue	North Korean diplo	DPRK-ARQ 600/600 LSB	(IARUMS)
DPRK	14150	2-8	1325	Tue	North Korean diplo	DPRK-ARQ 600Bd/600 LSB	(AAI)
DPRK	14444	2-8	1325	Tue	North Korean diplo	DPRK-ARQ 600Bd/600 LSB	(AAI)
DPRK	14555	2-8	1325	Tue	North Korean diplo	DPRK-ARQ 600Bd/600 LSB	(AAI)
DPRK	14777	2-8	1325	Tue	North Korean diplo	DPRK-ARQ 600Bd/600 LSB	(AAI)
DPRK	14229	2-8	1358	Tue	North Korean diplo	DPRK-ARQ 600Bd/600 LSB	(AAI)
DPRK	14331.4	3-8	1323	Wed	North Korean diplo	DPRK-ARQ 600/600 LSB	(IARUMS)
E06	13540	4-8	0500	Thu	210 947 135 52690	USB	(HFD)
E06	13540	4-8	0500	Thu	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB/Edd-HOL)
E06	16110	4-8	0600	Thu	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB/Edd-HOL/HFD)
E06	16327	4-8	0830	Thu	842 510 47 88077 26369 52275 ... 68488 82740 19497 510 47 00000	USB	(qsr711)
E06	13875	4-8	0930	Thu	842 510 47 88077 26369 52275 ... 68488 82740 19497 510 47 00000	USB	(qsr711)
E06	7353	4-8	1640	Thu	Unscheduled, multiple failures and breaks, higher voice pitch: 801 324 59 15808 59413 38425 ... 47957 34075 56213 324 59 00000	USB	(qsr711)
E06	5948	4-8	2030	Thu	724 ...	USB	(AB)
E06	13540	5-8	0500	Fri	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	16115	5-8	0600	Fri	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	5731	5-8	2130	Fri	315 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB)
E06	12084	12-8	0400	Fri	361 279 48 91369 42350 16517 ... 13004 86389 20454 279 48 00000	USB	(Priyom)
E06	13540	18-8	0500	Thu	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	16115	18-8	0600	Thu	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	5948	18-8	2030	Thu	724 ...	USB	(AB)
E06	13540	19-8	0500	Fri	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	16115	19-8	0600	Fri	210 947 135 52690 91800 81679 ... 99594 57597 25919 947 135 00000	USB	(AB)
E06	5731	19-8	2130	Fri	315 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB)
E06	14648	25-8	0300	Thu	361 427 50 76916 04821 86664 ... 72283 71900 19267 427 50 00000	USB	(Danix)
E06	12084	25-8	0400	Thu	361 427 50 76916 04821 86664 ... 72283 71900 19267 427 50 00000	USB	(Danix)
E07	13881	3-8	1700	Wed	818 818 818 000	AM	(AB/MPJ/HFD)
E07	12181	3-8	1720	Wed	818 818 818 000	AM	(AB/HFD)
E07	16147	3-8	1900	Wed	164 164 164 000	USB	(AB/HFD)
E07	14647	3-8	1920	Wed	164 164 164 000	USB	(AB/MPJ/HFD)
E07	10753	4-8	2010	Thu	716 716 716 000	AM	(AB/HFD)
E07	9147	4-8	2030	Thu	716 716 716 000	AM	(AB/HFD)
E07	9064	6-8	0600	Sat	024 024 024 000	USB	(AB/Edd-HOL)
E07	10264	6-8	0620	Sat	024 024 024 000	USB	(AB/Edd-HOL)
E07	9064	7-8	0600	Sun	024 024 024 000	USB	(AB)

E07	10264	7-8	0620	Sun	024 024 024 000	USB	(AB)
E07	13881	7-8	1700	Sun	818 818 818 000	USB	(AB/MPJ)
E07	12181	7-8	1720	Sun	818 818 818 000	USB	(AB/MPJ)
E07	10250	8-8	0940	Mon	687 1 5468 13 05329 21555 00540 66993 66799 26788 36107 79991 78820 40962 01786 69401 21089 5458 13 000 000	USB	(qsr711)
E07	16147	8-8	1900	Mon	164 164 164 000	USB	(AB/MPJ)
E07	14647	8-8	1920	Mon	164 164 164 000	USB	(AB)
E07	13881	10-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
E07	12181	10-8	1720	Wed	818 818 818 000	AM	(AB)
E07	16147	10-8	1900	Wed	164 164 164 000	USB	(AB/PW2)
E07	14647	10-8	1920	Wed	164 164 164 000	USB	(MPJ)
E07	10753	11-8	2010	Thu	716 716 716 000	AM	(AB/GHn)
E07	9147	11-8	2030	Thu	716 716 716 000	AM	(AB)
E07	9064	13-8	0600	Sat	024 024 024 000	USB	(AB/Edd-HOL)
E07	10264	13-8	0620	Sat	024 024 024 000	USB	(AB/Edd-HOL)
E07	9064	14-8	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	14-8	0620	Sun	024 024 024 000	USB	(AB)
E07	13881	14-8	1720	Sun	818 818 818 000	USB	(AB/MPJ)
E07	12181	14-8	1740	Sun	818 818 818 000	USB	(AB/MPJ)
E07	16147	15-8	1900	Mon	164 164 164 000	USB	(AB/RK/MPJ)
E07	14647	15-8	1920	Mon	164 164 164 000	USB	(AB/MPJ)
E07	13881	17-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
E07	12181	17-8	1720	Wed	818 818 818 000	AM	(AB/MPJ)
E07	16147	17-8	1900	Wed	164 164 164 000	USB	(AB/MPJ)
E07	14647	17-8	1920	Wed	164 164 164 000	USB	(AB/MPJ/RL)
E07	10753	18-8	2010	Thu	716 716 716 000	AM	(AB/GHn)
E07	9147	18-8	2030	Thu	716 716 716 000	AM	(AB)
E07	9064	20-8	0600	Sat	024 024 024 0000	USB	(AB)
E07	10264	20-8	0620	Sat	024 024 024 0000	USB	(AB)
E07	9064	21-8	0600	Sun	024 024 024 0000	USB	(AB)
E07	10264	21-8	0620	Sun	024 024 024 0000	USB	(AB)
E07	13881	21-8	1700	Sun	818 818 818 000	USB	(AB/MPJ/PW 2)
E07	13881	21-8	1700	Sun	818 818 818 000	AM	(MPJ)
E07	12181	21-8	1720	Sun	818 818 818 000	AM	(MPJ)
E07	12181	21-8	1720	Sun	818 818 818 000	USB	(AB/MPJ)
E07	16147	22-8	1900	Mon	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB/MPJ/PW 2)
E07	14647	22-8	1920	Mon	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB/MPJ)
E07	13447	22-8	1940	Mon	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB/MPJ)
E07	13881	24-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
E07	13881	24-8	1700	Wed	818 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/MPJ)
E07	10881	24-8	1720	Wed	818 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/MPJ)
E07	12181	24-8	1720	Wed	818 818 818 000	AM	(AB)
E07	12181	24-8	1720	Wed	818 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/MPJ)
E07	16147	24-8	1900	Wed	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB/MPJ)
E07	14647	24-8	1920	Wed	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB/MPJ)
E07	13447	24-8	1940	Wed	164 1 831 25 50462 60772 26830 ... 06629 85288 20223 000 000	USB	(AB)
E07	10753	25-8	2010	Thu	716 716 716 000	AM	(AB/GHn)
E07	9147	25-8	2030	Thu	716 716 716 000	AM	(AB)
E07	9064	27-8	0600	Sat	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB)
E07	10264	27-8	0620	Sat	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB)
E07	11464	27-8	0640	Sat	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB)

E07	9064	28-8	0600	Sun	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB)
E07	10264	28-8	0620	Sun	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB)
E07	11464	28-8	0640	Sun	024 1 (R) 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	USB	(AB/BvR)
E07	16146	29-8	1900	Mon	164 164 164 000	USB	(MPJ)
E07	14647	29-8	1920	Mon	164 164 164 000	USB	(AB)
E07	16147	31-8	1900	Wed	164 164 164 000	USB	(AB/MPJ)
E07	14647	31-8	1920	Wed	164 164 164 000	USB	(AB/RL/MPJ)
E07a	12166	3-8	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	3-8	2020	Wed	172 172 172 000	USB	(AB/GHn)
E07a	7933	4-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	4-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	5-8	1510	Fri	241 241 241 000	USB	(AB/GHn)
E07a	11413	5-8	1530	Fri	241 241 241 000	USB	(AB)
E07a	12177	6-8	0800	Sat	148 148 148 000	USB	(AB/Edd- HOL/HFD)
E07a	13477	6-8	0820	Sat	148 148 148 000	USB	(AB/Edd-HOL)
E07a	12166	10-8	2000	Wed	172 172 172 000	USB	(AB/MPJ)
E07a	10766	10-8	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	11-8	0430	Thu	912 912 912 000	USB	(ES)
E07a	9133	11-8	0450	Thu	912 912 912 000	USB	(ES)
E07a	12213	12-8	1510	Fri	241 241 241 000	USB	(AB/Edd- HOL/HFD)
E07a	11413	12-8	1530	Fri	241 241 241 000	USB	(AB/MPJ/Edd- HOL/HFD)
E07a	12177	13-8	0800	Sat	148 148 148 000	USB	(AB/Edd-HOL)
E07a	13477	13-8	0820	Sat	148 148 148 000	USB	(AB/Edd- HOL/HFD)
E07a	12166	17-8	2000	Wed	172 172 172 000	USB	(AB/MPJ)
E07a	10766	17-8	2020	Wed	172 172 172 000	USB	(AB/GHn)
E07a	7933	18-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	18-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	19-8	1510	Fri	241 241 241 000	USB	(AB)
E07a	11413	19-8	1530	Fri	241 241 241 000	USB	(AB)
E07a	12177	20-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	20-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	24-8	2000	Wed	172 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB/MPJ)
E07a	10766	24-8	2020	Wed	172 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB)
E07a	9266	24-8	2040	Wed	172 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB)
E07a	7933	25-8	0430	Thu	912 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB)
E07a	9133	25-8	0450	Thu	912 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB)
E07a	10233	25-8	0510	Thu	912 1 31310 7185 59 20798 66213 52802 ... 69571 55606 85449 000 000	USB	(AB)
E07a	12213	26-8	1510	Fri	241 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB/MPJ)
E07a	11413	26-8	1530	Fri	241 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB/MPJ/GHn)
E07a	10113	26-8	1550	Fri	241 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB/MPJ/BvR)
E07a	12177	27-8	0800	Sat	148 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB)
E07a	13477	27-8	0820	Sat	148 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB)
E07a	14877	27-8	0840	Sat	148 1 65855 4957 73 30404 52971 54136 ... 77071 47376 15106 000 000	USB	(AB)
E07a	12166	31-8	2000	Wed	172 172 172 000	USB	(AB/MPJ)
E07a	10766	31-8	2020	Wed	172 172 172 000	USB	(AB/GHn)
E11	10800	1-8	0450	Mon	416/00	USB	(AB/Edd-HOL)
E11	7600	1-8	0530	Mon	649/00	USB	(AB)

E11	9610	1-8	0745	Mon	262/00	USB	(AB)
E11	6807	1-8	0820	Mon	438/00	USB	(AB)
E11	14410	1-8	1745	Mon	242/00	USB	(MPJ)
E11	13424	2-8	0645	Tue	517/00	USB	(AB)
E11	13873	2-8	1045	Tue	576/00	USB	(AB/MPJ)
E11	10302	2-8	1205	Tue	469/00	USB	(AB/MPJ)
E11	15803	2-8	1300	Tue	133/00	USB	(AB/MPJ)
E11	9052	2-8	1450	Tue	441/00	USB	(AB/MPJ)
E11	11581	2-8	1925	Tue	551/00	USB	(GHn/MPJ)
E11	14975	3-8	0805	Wed	311/00	USB	(AB/Edd-HOL)
E11	13427	3-8	0900	Wed	534/00	USB	(AB/Edd-HOL)
E11	10302	3-8	1205	Wed	469/00	USB	(MPJ)
E11	15803	3-8	1300	Wed	133/00	USB	(AB)
E11	14865	3-8	1705	Wed	392/00	USB	(AB)
E11	14865	3-8	1730	Wed	392/00	USB	(MPJ)
E11	8565	4-8	0315	Thu	253/00	USB	(AB/Edd-HOL)
E11	7600	4-8	0530	Thu	649/00	USB	(AB)
E11	13424	4-8	0645	Thu	517/00	USB	(AB)
E11	15905	4-8	0710	Thu	491/00	USB	(AB)
E11	15632	4-8	0745	Thu	335/00	USB	(AB)
E11	6807	4-8	0820	Thu	438/00	USB	(AB/Edd-HOL)
E11	11581	4-8	1300	Thu	585/00	USB	(AB)
E11	9052	4-8	1450	Thu	441/00	USB	(AB)
E11	10356	4-8	1530	Thu	262/00	USB	(AB)
E11	8088	4-8	1730	Thu	416/00	USB	(AB)
E11	11581	4-8	1925	Thu	551/00	USB	(AB/MPJ)
E11	17120	5-8	0730	Fri	352/00	USB	(AB)
E11	8530	5-8	2000	Fri	576/00	USB	(AB)
E11	15905	6-8	0710	Sat	491/00	USB	(AB/Edd-HOL)
E11	11581	6-8	1300	Sat	585/00	USB	(AB/Edd-HOL)
E11	14865	6-8	1705	Sat	392/00	USB	(AB/MPJ/Edd-HOL)
E11	7984	6-8	1730	Sat	405/00	USB	(AB/MPJ/Edd-HOL)
E11	9130	6-8	2005	Sat	363/00	USB	(GHn)
E11	14410	7-8	1745	Sun	242/00	USB	(AB/MPJ)
E11	9130	7-8	2005	Sun	363/00	USB	(AB/GHn)
E11	7600	8-8	0530	Mon	649/00	USB	(AB)
E11	13908	8-8	0600	Mon	181/00	USB	(AB)
E11	6807	8-8	0820	Mon	438/00	USB	(AB)
E11	13427	8-8	0900	Mon	534/00	USB	(AB)
E11	13537	8-8	1225	Mon	521/00	USB	(MPJ)
E11	14753	9-8	0710	Tue	633/00	USB	(AB)
E11	15632	9-8	0745	Tue	335/00	USB	(AB)
E11	10302	9-8	1205	Tue	469/00	USB	(AB/MPJ)
E11	15803	9-8	1300	Tue	133/00	USB	(AB)
E11	15825	9-8	1345	Tue	911/00	USB	(PW2)
E11	9052	9-8	1450	Tue	441/00	USB	(AB/MPJ/PW 2)
E11	4783	9-8	1605	Tue	232/00	USB	(AB)
E11	11581	9-8	1925	Tue	551/00	USB	(MPJ)
E11	13424	10-8	0545	Wed	348/00	USB	(AB)
E11	14975	10-8	0805	Wed	311/00	USB	(ES)
E11	13427	10-8	0900	Wed	534/00	USB	(AB/ES)
E11	10213	10-8	0930	Wed	267/00	USB	(AB/ES)
E11	13873	10-8	1045	Wed	576/00 OUT	USB	(ES)
E11	10302	10-8	1205	Wed	469/00	USB	(AB/MPJ/ES)
E11	15803	10-8	1300	Wed	133/00	USB	(AB)
E11	15795	10-8	1625	Wed	972/00	USB	(AB)
E11	14865	10-8	1705	Wed	392/00	USB	(AB)
E11	7600	11-8	0530	Thu	649/00	USB	(AB/ES)
E11	15905	11-8	0710	Thu	491/00	USB	(AB)
E11	15632	11-8	0745	Thu	335/00	USB	(AB)
E11	6807	11-8	0820	Thu	438/00	USB	(AB)
E11	10213	11-8	0930	Thu	270/00	USB	(AB/ES)
E11	11581	11-8	1300	Thu	585/00	USB	(AB/ES)

E11	9052	11-8	1450	Thu	441/00	USB	(AB)
E11	11581	11-8	1925	Thu	551/00	USB	(AB/GHn/MPJ)
E11	13424	12-8	0545	Fri	348/00	USB	(AB/ES)
E11	14753	12-8	0710	Fri	633/00	USB	(AB/ES)
E11	13537	12-8	1225	Fri	521/00	USB	(AB/MPJ/ES)
E11	14940	12-8	1640	Fri	921/00	USB	(AB/MPJ)
E11	15905	13-8	0710	Sat	491/00	USB	(AB/ES)
E11	11581	13-8	1300	Sat	585/00	USB	(AB/MPJ)
E11	15825	13-8	1345	Sat	911/00	USB	(AB)
E11	14865	13-8	1705	Sat	392/00	USB	(AB/MPJ)
E11	14975	14-8	0805	Sun	311/00	USB	(AB)
E11	4783	14-8	1605	Sun	232/00	USB	(AB)
E11	14940	14-8	1650	Sun	921/00	USB	(MPJ)
E11	10800	15-8	0450	Mon	416/00	USB	(AB/ES)
E11	7600	15-8	0530	Mon	649/00	USB	(AB)
E11	13908	15-8	0600	Mon	181/00	USB	(AB)
E11	9610	15-8	0745	Mon	262/00	USB	(AB)
E11	13537	15-8	1225	Mon	521/00	USB	(AB)
E11	14410	15-8	1745	Mon	242/00	USB	(AB/MPJ)
E11	13424	16-8	0645	Tue	517/00	USB	(AB/ES)
E11	14753	16-8	0710	Tue	633/00	USB	(AB/ES)
E11	15632	16-8	0745	Tue	335/00	USB	(AB/ES)
E11	15825	16-8	1345	Tue	911/00	USB	(AB/ES)
E11	10213	17-8	0930	Wed	270/00	USB	(AB/ES)
E11	14865	17-8	1705	Wed	392/00	USB	(AB)
E11	7600	18-8	0530	Thu	649/00	USB	(AB)
E11	13424	18-8	0645	Thu	517/00	USB	(AB)
E11	15905	18-8	0710	Thu	491/00	USB	(AB)
E11	15632	18-8	0745	Thu	335/00	USB	(AB)
E11	10213	18-8	0930	Thu	270/00	USB	(AB)
E11	11581	18-8	1300	Thu	585/00	USB	(AB)
E11	10356	18-8	1530	Thu	262/00	USB	(AB/GHn)
E11	8088	18-8	1730	Thu	416/00	USB	(AB)
E11	13424	19-8	0545	Fri	348/00	USB	(AB)
E11	13908	19-8	0600	Fri	181/00	USB	(AB)
E11	14753	19-8	0710	Fri	633/00	USB	(AB)
E11	17120	19-8	0730	Fri	352/00	USB	(AB)
E11	14940	19-8	1650	Fri	921/00	USB	(AB)
E11	15905	20-8	0710	Sat	491/00	USB	(AB)
E11	11581	20-8	1300	Sat	585/00	USB	(AB/MPJ)
E11	15825	20-8	1345	Sat	911/00	USB	(AB)
E11	9130	20-8	2005	Sat	363/00	USB	(AB)
E11	4783	21-8	1605	Sun	232/00	USB	(AB/MPJ)
E11	15795	21-8	1625	Sun	972/00	USB	(AB/PW2)
E11	15795	21-8	1625	Sun	972/00	USB	(MPJ)
E11	14940	21-8	1650	Sun	921/00	USB	(MPJ)
E11	14940	21-8	1650	Sun	921/00	USB	(MPJ)
E11	14410	21-8	1745	Sun	242/00	USB	(MPJ)
E11	14410	21-8	1745	Sun	242/00	USB	(MPJ)
E11	9130	21-8	2005	Sun	363/00	USB	(AB)
E11	10800	22-8	0450	Mon	416/00	USB	(AB)
E11	13908	22-8	0600	Mon	181/00	USB	(AB)
E11	9610	22-8	0745	Mon	262/00	USB	(AB)
E11	6807	22-8	0820	Mon	438/00	USB	(AB/BvR)
E11	13427	22-8	0900	Mon	534/00	USB	(AB)
E11	13537	22-8	1225	Mon	521/00	USB	(AB)
E11	14410	22-8	1745	Mon	242/00	USB	(AB)
E11	13424	23-8	0645	Tue	517/00	USB	(AB)
E11	14753	23-8	0710	Tue	633/00	USB	(AB/BvR)
E11	10302	23-8	1205	Tue	469/00	USB	(AB-S)
E11	15803	23-8	1300	Tue	133/00	USB	(AB/MPJ)
E11	15825	23-8	1345	Tue	911/00	USB	(AB)
E11	9052	23-8	1450	Tue	441/00	USB	(AB/MPJ)
E11	4783	23-8	1605	Tue	232/00	USB	(AB)
E11	13424	24-8	0545	Wed	348/00	USB	(AB)

E11	13427	24-8	0900	Wed	534/00	USB	(AB)
E11	10213	24-8	0930	Wed	270/00	USB	(AB)
E11	10302	24-8	1205	Wed	469/00	USB	(AB/MPJ)
E11	15803	24-8	1300	Wed	133/00	USB	(AB)
E11	15795	24-8	1625	Wed	972/00	USB	(AB)
E11	14865	24-8	1705	Wed	392/00	USB	(AB)
E11	7984	24-8	1730	Wed	405/00	USB	(AB/MPJ)
E11	8565	25-8	0315	Thu	253/00	USB	(AB)
E11	13424	25-8	0645	Thu	517/00	USB	(AB)
E11	6807	25-8	0820	Thu	438/00	USB	(AB)
E11	10213	25-8	0930	Thu	270/00	USB	(AB)
E11	9052	25-8	1450	Thu	441/00	USB	(GHn)
E11	10356	25-8	1530	Thu	262/00	USB	(AB/MPJ)
E11	8088	25-8	1730	Thu	416/00	USB	(AB/MPJ)
E11	13424	26-8	0545	Fri	348/00	USB	(AB)
E11	13908	26-8	0600	Fri	181/00	USB	(AB)
E11	14753	26-8	0710	Fri	633/00	USB	(AB)
E11	13537	26-8	1225	Fri	521/00	USB	(MPJ)
E11	14940	26-8	1650	Fri	921/00	USB	(AB)
E11	8530	26-8	2005	Fri	576/00	USB	(AB/MPJ)
E11	15825	27-8	1345	Sat	911/00	USB	(AB/MPJ)
E11	14865	27-8	1705	Sat	392/00	USB	(AB/MPJ)
E11	7984	27-8	1730	Sat	405/00	USB	(AB/MPJ)
E11	9130	27-8	2005	Sat	363/00	USB	(AB)
E11	17120	28-8	0730	Sun	352/00	USB	(AB/BvR)
E11	14975	28-8	0805	Sun	311/00	USB	(AB)
E11	13908	29-8	0600	Mon	181/00	USB	(AB)
E11	9610	29-8	0745	Mon	262/00	USB	(AB)
E11	6807	29-8	0820	Mon	438/00	USB	(AB)
E11	13427	29-8	0900	Mon	534/00	USB	(AB)
E11	13537	29-8	1225	Mon	521/00	USB	(AB)
E11	13424	30-8	0645	Tue	517/00	USB	(AB)
E11	14753	30-8	0710	Tue	633/00	USB	(AB)
E11	11581	30-8	1020	Tue	536/00	USB	(MPJ)
E11	13873	30-8	1045	Tue	576/00	USB	(MPJ)
E11	10302	30-8	1205	Tue	469/00	USB	(AB/MPJ)
E11	15803	30-8	1300	Tue	133/00	USB	(AB)
E11	15825	30-8	1345	Tue	911/00	USB	(AB)
E11	9052	30-8	1450	Tue	441/00	USB	(AB/MPJ)
E11	4783	30-8	1605	Tue	232/00	USB	(AB/MPJ)
E11	13424	31-8	0545	Wed	348/00	USB	(AB)
E11	14975	31-8	0805	Wed	311/00	USB	(AB)
E11	13427	31-8	0900	Wed	534/00	USB	(AB)
E11	10213	31-8	0930	Wed	270/00	USB	(AB)
E11	10302	31-8	1205	Wed	469/00	USB	(AB)
E11	15803	31-8	1300	Wed	133/00	USB	(AB)
E11	15795	31-8	1625	Wed	972/00	USB	(AB)
E11	14865	31-8	1705	Wed	392/00	USB	(MPJ)
E11	7984	31-8	1730	Wed	405/00	USB	(AB/MPJ)
E11a	13908	1-8	0600	Mon	188/40 Attention 50964 73470 99374 55230 10170 ...	USB	(AB)
E11a	13537	1-8	1225	Mon	524/31 Attention 18358 68067 35963 ... 36797 23267 86700 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	14753	2-8	0710	Tue	637/40 Attention 82758 26372 61424 ... 38225 98902 60737 Attention, rpt msg, out	USB	(AB)
E11a	15825	2-8	1345	Tue	912/34 Attention 55269 95883 15594 ... Attention, rpt msg, out	USB	(AB)
E11a	4783	2-8	1605	Tue	235/38 Attention 54350 759.. 57000 06289 36590 05773 ...	USB	(MPJ)
E11a	13424	3-8	0545	Wed	346/32 Attention 58374 41976 10020 ... 40124 38493 12708 Attention, rpt msg, out	USB	(AB)
E11a	10213	3-8	0930	Wed	267/34 Attention 08869 36803 70237 ... 81759 30566 03160 Attention, rpt msg, out	USB	(AB)
E11a	15795	3-8	1625	Wed	794/33 Attention 78944 17937 39454 ...	USB	(MPJ)
E11a	10213	4-8	0930	Thu	276/34 Attention 08869 36803 70237 ... 81759 30566 03160 Attention, rpt msg, out	USB	(AB)
E11a	13424	5-8	0545	Fri	346/32 Attention 58374 41976 10020 ... 40124 38493 12708 Attention, rpt msg, out	USB	(AB)

E11a	13908	5-8	0600	Fri	188/40 Attention 50964 73470 99374 ... 50559 59257 59012 Attention, rpt msg, out	USB	(AB)
E11a	14753	5-8	0710	Fri	637/40 Attention 82758 26372 61424 ... 38225 98902 60737 Attention, rpt msg, out	USB	(AB)
E11a	13537	5-8	1225	Fri	524/31 Attention 18358 68067 35963 ... 36797 23267 86700 Attention, rpt msg, out	USB	(AB)
E11a	14940	5-8	1650	Fri	921/36 Attention 88677 88567 11448 ... 02801 90175 97076 Attention, rpt msg, out	USB	(AB)
E11a	15825	6-8	1345	Sat	912/34 Attention 55269 95883 15594 ... Attention, rpt msg, out	USB	(AB)
E11a	4783	7-8	1606	Sun	235/38 Attention ...	USB	(AB)
E11a	15795	7-8	1625	Sun	974/33 Attention ...	USB	(AB)
E11a	9610	8-8	0745	Mon	269/38 Attention 48087 80242 14322 ... 23267 41699 78370 Attention, rpt msg, out	USB	(AB)
E11a	14410	8-8	1745	Mon	248/36 Attention 37702 51954 32988 ... 25610 26754 81811 Attention, rpt msg, out	USB	(AB)
E11a	13424	9-8	0645	Tue	418/31 Attention 43767 93187 01578 ... 34743 08293 04375 Attention, rpt msg, out	USB	(AB/Edd-HOL)
E11a	13873	9-8	1045	Tue	579/34 Attention 55365 59404 95693 ... 93168 32464 76957 Attention, rpt msg, out	USB	(AB/Edd-HOL)
E11a	7984	10-8	1730	Wed	404/39 Attention 70456 49647 11127 26279 79657 ... 99892 26163 48216 86392 50308	USB	(MPJ)
E11a	8565	11-8	0315	Thu	258/34 message	USB	(AB/ES)
E11a	13424	11-8	0645	Thu	418/31 Attention 43767 93187 01578 ... 34743 08293 04375 Attention, rpt msg, out	USB	(AB)
E11a	10356	11-8	1530	Thu	269/38 Attention 48087 80242 14322 54591 97703 ... 38091 17001 23267 41699 78370	USB	(MPJ)
E11a	8088	11-8	1730	Thu	410/31 Attention 24804 05400 65267 ... 39608 27871 30490 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13908	12-8	0600	Fri	181/00	USB	(AB)
E11a	17120	12-8	0730	Fri	353/32 Attention ...	USB	(AB)
E11a	8530	12-8	2000	Fri	579/34 Attention 55365 59404 95693 ... 93168 32464 76957 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	7984	13-8	1730	Sat	404/39 Attention 70456 49647 11127 ... 48216 86392 50308 Attention, rpt msg, out	USB	(AB)
E11a	17120	14-8	0730	Sun	353/32 Attention 35544 12591 71704 ... 89684 18018 23607 Attention, rpt msg, out	USB	(AB)
E11a	14410	14-8	1745	Sun	248/36 Attention ...	USB	(MPJ)
E11a	6807	15-8	0820	Mon	439/38 Attention 23439 03985 383... 25401 59791 72206 At- tention, rpt msg, out	USB	(AB)
E11a	13427	15-8	0900	Mon	537/34 Attention 72882 37398 33748 ... 82401 37132 74704 Attention, rpt msg, out	USB	(AB)
E11a	10302	16-8	1205	Tue	464/38 Attention 94655 77389 93350 ... 82403 59923 06394 Attention, rpt msg, out	USB	(AB/MPJ/ES)
E11a	9052	16-8	1450	Tue	442/35 Attention 56653 94895 80288 ... 67704 36524 60121 Attention, rpt msg, out	USB	(AB)
E11a	11581	16-8	1925	Tue	521/40 Attention 92681 22623 17306 ... 58579 12712 92713 Attention, rpt msg, out	USB	(AB/MPJ/GHn)
E11a	14975	17-8	0805	Wed	319/39 Attention ...	USB	(AB/ES)
E11a	13427	17-8	0900	Wed	537/34 Attention 72882 37398 33748 ... 82401 37132 74704 Attention, rpt msg, out	USB	(AB/ES)
E11a	10302	17-8	1205	Wed	464/38 Attention 94655 77389 93350 ... 82403 59923 06394 Attention, rpt msg, out	USB	(AB)
E11a	6807	18-8	0820	Thu	439/38 Attention 23439 03985 383... 25401 59791 72206 At- tention, rpt msg, out	USB	(AB)
E11a	9052	18-8	1450	Thu	442/35 Attention 56653 94895 80288 ... 67704 36524 60121 Attention, rpt msg, out	USB	(AB)
E11a	11581	18-8	1925	Thu	521/40 Attention 92681 22623 17306 ... 58579 12712 92713 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	14865	20-8	1705	Sat	399/38 Attention ...	USB	(AB)
E11a	7984	20-8	1730	Sat	405/00	USB	(AB)
E11a	17120	21-8	0730	Sun	352/00	USB	(AB)
E11a	14975	21-8	0805	Sun	319/39 Attention 29416 16038 88688 ... 94243 12571 13959 Attention, rpt msg, out	USB	(AB)
E11a	7600	22-8	0530	Mon	648/40 Attention 81274 41351 54854 ... 30885 88697 57119 Attention, rpt msg, out	USB	(AB/BvR)

E11a	11581	23-8	1925	Tue	551/00	USB	(AB/GHn/MPJ)
E11a	7600	25-8	0530	Thu	648/40 Attention 81274 41351 54854 ... 30885 88697 57119 Attention, rpt msg, out	USB	(AB)
E11a	15905	25-8	0710	Thu	496/40 Attention 43623 32331 53051 ... 75576 01553 48779 Attention, rpt msg, out	USB	(AB)
E11a	15632	25-8	0745	Thu	334/34 Attention 25743 09108 74010 ... 47694 76003 21086 Attention, rpt msg, out	USB	(AB)
E11a	11581	25-8	1300	Thu	589/38 Attention 53908 37302 81098 ... 84473 73010 95502 Attention, rpt msg, out	USB	(MPJ)
E11a	11581	25-8	1925	Thu	551/00	USB	(AB/MPJ/GHn)
E11a	11581	27-8	1300	Sat	589/38 Attention 53908 37302 81098 ... 84473 73010 95502 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	7600	29-8	0530	Mon	649/00	USB	(AB)
E11a	11581	30-8	1925	Tue	551/00	USB	(AB/GHn/MPJ)
E17z	7636	4-8	0700	Thu	test i.p. ... 43400 853 19 00000. Started at 0645 UTC	USB	(qsr711)
E17z	16780	4-8	0800	Thu	674 918 5 63901 65337 63890 84613 73082 918 5 00000	USB	(AB/Edd-HOL)
E17z	12850	4-8	0810	Thu	674 918 5 63901 65337 63890 84613 73082 918 5 00000	USB	(AB/Edd-HOL)
E17z	10240	4-8	1140	Thu	Test transmission: 274 538 29 34895 79814 75017 ... 19859 78594 58233 538 29 00000. Live, male operator	USB	(qsr711)
E17z	16780	18-8	0800	Thu	674 201 5 36304 38135 35782 31823 37474 201 5 00000	USB	(AB)
E17z	12850	18-8	0810	Thu	674 201 5 36304 38135 35782 31823 37474 201 5 00000	USB	(AB)
E17z	16780	25-8	0800	Thu	674 201 5 36304 38135 35782 31823 37474 201 5 00000	USB	(AB)
E17z	12850	25-8	0810	Thu	674 201 5 36304 38135 35782 31823 37474 201 5 00000	USB	(AB)
E25	6240	7-8	1000	Sun	Windows 7 sound. 570 (R1m) Message (x3) 2035 4096 6713 7535 7297 3885 9757 Rebeat (x3) 2035 4096 6713 7535 7297 3885 9757 EOM EOT	AM	(PW2/Danix)
E25	6240	7-8	1008	Sun	570 (R1m) Message (x3) 2035 4096 6713 7535 7297 3885 9757 Rebeat (x3) 2035 4096 6713 7535 7297 3885 9757 EOM EOT	AM	(PW2)
E25	9600	7-8	1210	Sun	Test transmission using Radio Cairo transmitters.	AM	(PW2)
E25	6140	9-8	0930	Tue	333 Message 2080 6220 4146 7261 1001 3489 2833 6220 Rebeat 2080 6220 4146 7261 1001 3489 2833 6220 EOM EOT. Windows sounds, beeps, Arabic music	AM	(AB/qsr711/P W2
E25	6140	10-8	1237	Wed	Carrier with beeps	AM	(PW2/qsr711)
E25a	6140	4-8	0744	Thu	255 6 (R3m) Message Message EOM EOM EOT	AM	(Danix/PW2)
EGY	14925	2-8	1332	Tue	Egyptian Diplo. Encrypted message to Egyptian embassy Al Manamha, Bahrein	SITOR-A 100/170	(AAI)
F11	7837	1-8	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7837	1-8	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6480	1-8	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6480	1-8	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	13470	2-8	0630	Tue	0574 00000	FSK 100/625	(AB)
F11	13470	2-8	0635	Tue	0574 00000	FSK 100/625	(AB)
F11	14575	2-8	0655	Tue	0684 88888 88888 82758 26372 61424 ... 38225 98902 60737 88888 88888 00044 00044	FSK 100/625	(AB)
F11	14575	2-8	0700	Tue	0684 88888 88888 82758 26372 61424 ... 38225 98902 60737 88888 88888 00044 00044	FSK 100/625	(AB)
F11	14940	2-8	0730	Tue	0433 00000	FSK 100/625	(AB)
F11	14940	2-8	0735	Tue	0433 00000	FSK 100/625	(AB)
F11	8423	2-8	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	8423	2-8	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	10210	2-8	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	10210	2-8	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	15690	2-8	1245	Tue	0132 00000	FSK 100/625	(AB)
F11	15690	2-8	1250	Tue	0132 00000	FSK 100/625	(AB)
F11	13537	3-8	0530	Wed	0453 88888 88888 58374 41976 10020 ... 40124 38493 12708 88888 88888 00036 00036	FSK 100/625	(AB)
F11	13537	3-8	0535	Wed	0453 88888 88888 58374 41976 10020 ... 40124 38493 12708 88888 88888 00036 00036	FSK 100/625	(AB)
F11	13424	3-8	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	13424	3-8	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	10210	3-8	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	10210	3-8	1155	Wed	0325 00000	FSK 100/625	(AB)

F11	15690	3-8	1245	Wed	0132 00000	FSK 100/625	(AB)
F11	15690	3-8	1250	Wed	0132 00000	FSK 100/625	(AB)
F11	8456	4-8	0300	Thu	0231 00000	FSK 100/625	(AB)
F11	8456	4-8	0305	Thu	0231 00000	FSK 100/625	(AB)
F11	7837	4-8	0515	Thu	0446 00000	FSK 100/625	(AB)
F11	7837	4-8	0520	Thu	0446 00000	FSK 100/625	(AB)
F11	13470	4-8	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	13470	4-8	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	14940	4-8	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14940	4-8	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	6480	4-8	0800	Thu	0434 00000	FSK 100/625	(AB)
F11	6480	4-8	0805	Thu	0434 00000	FSK 100/625	(AB)
F11	13537	5-8	0530	Fri	0453 88888 88888 58374 41976 10020 ... 40124 38493 12708 88888 88888 00036 00036	FSK 100/625	(AB)
F11	13537	5-8	0535	Fri	0453 88888 88888 58374 41976 10020 ... 40124 38493 12708 88888 88888 00036 00036	FSK 100/625	(AB)
F11	14575	5-8	0655	Fri	0684 88888 88888 82758 26372 61424 ... 38225 98902 60737 88888 88888 00044 00044	FSK 100/625	(AB)
F11	14575	5-8	0700	Fri	0684 88888 88888 82758 26372 61424 ... 38225 98902 60737 88888 88888 00044 00044	FSK 100/625	(AB)
F11	8423	5-8	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	8423	5-8	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7837	8-8	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7837	8-8	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6480	8-8	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6480	8-8	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	13424	8-8	0845	Mon	0353 00000	FSK 100/625	(AB)
F11	13424	8-8	0850	Mon	0353 00000	FSK 100/625	(AB)
F11	13470	9-8	0630	Tue	0574 88888 88888 43767 93187 01578 ... 34743 08293 04375 88888 88888 00035 00035	FSK 100/625	(AB)
F11	13470	9-8	0635	Tue	0574 88888 88888 43767 93187 01578 ... 34743 08293 04375 88888 88888 00035 00035	FSK 100/625	(AB)
F11	14575	9-8	0655	Tue	0684 00000	FSK 100/625	(AB)
F11	14575	9-8	0700	Tue	0684 00000	FSK 100/625	(AB)
F11	14940	9-8	0730	Tue	0433 00000	FSK 100/625	(AB)
F11	14940	9-8	0735	Tue	0433 00000	FSK 100/625	(AB)
F11	8423	9-8	0900	Tue	0554 88888 88888 72982 67223 37018 ... 12614 22587 37654 88888 88888 00038 00038	FSK 100/625	(AB)
F11	8423	9-8	0905	Tue	0554 88888 88888 72982 67223 37018 ... 12614 22587 37654 88888 88888 00038 00038	FSK 100/625	(AB)
F11	10210	9-8	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	10210	9-8	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	15690	9-8	1245	Tue	0132 00000	FSK 100/625	(AB)
F11	15690	9-8	1250	Tue	0132 00000	FSK 100/625	(AB)
F11	13537	10-8	0530	Wed	0453 00000	FSK 100/625	(AB)
F11	13537	10-8	0535	Wed	0453 00000	FSK 100/625	(AB)
F11	13424	10-8	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	13424	10-8	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	10210	10-8	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	10210	10-8	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	15690	10-8	1245	Wed	0132 00000	FSK 100/625	(AB)
F11	15690	10-8	1250	Wed	0132 00000	FSK 100/625	(AB)
F11	8456	11-8	0300	Thu	0231 88888 88888 93432 26034 41739 74564 62823 39521 47905 88564 ... 11509 73456 18601 53644 00038 00038	FSK 100/625	(AB)
F11	8456	11-8	0305	Thu	0231 88888 88888 93432 26034 41739 74564 62823 39521 47905 88564 ... 11509 73456 18601 53644 00038 00038	FSK 100/625	(AB)
F11	7837	11-8	0515	Thu	0446 00000	FSK 100/625	(AB)
F11	7837	11-8	0520	Thu	0446 00000	FSK 100/625	(AB)
F11	13470	11-8	0630	Thu	0574 88888 88888 43767 93187 01578 ... 34743 08293 04375 88888 88888 00035 00035	FSK 100/625	(AB)
F11	13470	11-8	0635	Thu	0574 88888 88888 43767 93187 01578 ... 34743 08293 04375 88888 88888 00035 00035	FSK 100/625	(AB)
F11	14940	11-8	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14940	11-8	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	6480	11-8	0800	Thu	0434 00000	FSK 100/625	(AB)
F11	6480	11-8	0805	Thu	0434 00000	FSK 100/625	(AB)

F11	13537	12-8	0530	Fri	0453 00000	FSK 100/625	(AB)
F11	13537	12-8	0535	Fri	0453 00000	FSK 100/625	(AB)
F11	14575	12-8	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	14575	12-8	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	8423	12-8	0900	Fri	0554 88888 88888 72982 67223 37018 ... 12614 22587 37654 88888 88888 00038 00038	FSK 100/625	(AB)
F11	8423	12-8	0905	Fri	0554 88888 88888 72982 67223 37018 ... 12614 22587 37654 88888 88888 00038 00038	FSK 100/625	(AB)
F11	7837	15-8	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7837	15-8	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6480	15-8	0800	Mon	0434 88888 88888 23439 03985 38399 ... 25401 59791 72206 88888 88888 00042 00042	FSK 100/625	(AB)
F11	6480	15-8	0805	Mon	0434 88888 88888 23439 03985 38399 ... 25401 59791 72206 88888 88888 00042 00042	FSK 100/625	(AB)
F11	13424	15-8	0845	Mon	0353 88888 88888 72882 37398 33748 ... 82401 37132 74704 88888 88888 00038 00038	FSK 100/625	(AB)
F11	13424	15-8	0850	Mon	0353 88888 88888 72882 37398 33748 ... 82401 37132 74704 88888 88888 00038 00038	FSK 100/625	(AB)
F11	13470	16-8	0630	Tue	0574 00000	FSK 100/625	(AB)
F11	13470	16-8	0635	Tue	0574 00000	FSK 100/625	(AB/AAI)
F11	14575	16-8	0655	Tue	0684 00000	FSK 100/625	(AB)
F11	14575	16-8	0700	Tue	0684 00000	FSK 100/625	(AB)
F11	14940	16-8	0730	Tue	0433 00000	FSK 100/625	(AB)
F11	14940	16-8	0735	Tue	0433 00000	FSK 100/625	(AB)
F11	8423	16-8	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	8423	16-8	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	10210	16-8	1150	Tue	0325 88888 88888 94655 77389 93350 ... 82403 59923 06394 88888 88888 00042 00042	FSK 100/625	(AB)
F11	10210	16-8	1155	Tue	0325 88888 88888 94655 77389 93350 ... 82403 59923 06394 88888 88888 00042 00042	FSK 100/625	(AB)
F11	15690	16-8	1245	Tue	Polish Intel.	FSK 100/625	(AB)
F11	15690	16-8	1250	Tue	Polish Intel.	FSK 100/625	(AB)
F11	13424	17-8	0845	Wed	0353 88888 88888 72882 37398 33748 ... 82401 37132 74704 88888 88888 00038 00038	FSK 100/625	(AB)
F11	13424	17-8	0850	Wed	0353 88888 88888 72882 37398 33748 ... 82401 37132 74704 88888 88888 00038 00038	FSK 100/625	(AB)
F11	10210	17-8	1150	Wed	0325 88888 88888 94655 77389 93350 ... 82403 59923 06394 88888 88888 00042 00042	FSK 100/625	(AB)
F11	10210	17-8	1155	Wed	0325 88888 88888 94655 77389 93350 ... 82403 59923 06394 88888 88888 00042 00042	FSK 100/625	(AB)
F11	7837	18-8	0515	Thu	0446 00000	FSK 100/625	(AB)
F11	7837	18-8	0520	Thu	0446 00000	FSK 100/625	(AB)
F11	13470	18-8	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	13470	18-8	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	14940	18-8	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14940	18-8	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	6480	18-8	0800	Thu	0434 88888 88888 23439 03985 38399 ... 25401 59791 72206 88888 88888 00042 00042	FSK 100/625	(AB)
F11	6480	18-8	0805	Thu	0434 88888 88888 23439 03985 38399 ... 25401 59791 72206 88888 88888 00042 00042	FSK 100/625	(AB)
F11	13537	19-8	0530	Fri	0453 00000	FSK 100/625	(AB)
F11	13537	19-8	0535	Fri	0453 00000	FSK 100/625	(AB)
F11	14575	19-8	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	14575	19-8	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	8423	19-8	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	8423	19-8	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7837	22-8	0515	Mon	0446 88888 88888 81274 41351 54854 ... 30885 88697 57119 88888 88888 00044 00044	FSK 100/625	(AB)
F11	7837	22-8	0520	Mon	0446 88888 88888 81274 41351 54854 ... 30885 88697 57119 88888 88888 00044 00044	FSK 100/625	(AB)
F11	6480	22-8	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6480	22-8	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	13424	22-8	0845	Mon	0353 00000	FSK 100/625	(AB)
F11	13424	22-8	0850	Mon	0353 00000	FSK 100/625	(AB)
F11	13470	23-8	0630	Tue	0574 00000	FSK 100/625	(AB)
F11	13470	23-8	0635	Tue	0574 00000	FSK 100/625	(AB)

F11	14575	23-8	0655	Tue	0684 00000	FSK 100/625	(AB)
F11	14575	23-8	0700	Tue	0684 00000	FSK 100/625	(AB)
F11	8423	23-8	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	8423	23-8	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	10210	23-8	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	10210	23-8	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	15690	23-8	1245	Tue	Polish Intel.	FSK 100/625	(AB)
F11	15690	23-8	1250	Tue	Polish Intel.	FSK 100/625	(AB)
F11	13537	24-8	0530	Wed	0453 00000	FSK 100/625	(AB)
F11	13537	24-8	0535	Wed	0453 00000	FSK 100/625	(AB)
F11	13424	24-8	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	13424	24-8	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	10210	24-8	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	10210	24-8	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	15690	24-8	1245	Wed	0132 00000	FSK 100/625	(AB)
F11	15690	24-8	1250	Wed	0132 00000	FSK 100/625	(AB)
F11	8456	25-8	0300	Thu	0231 00000	FSK 100/625	(AB)
F11	8456	25-8	0305	Thu	0231 00000	FSK 100/625	(AB)
F11	7837	25-8	0515	Thu	0446 88888 88888 81274 41351 54854 ... 30885 88697 57119 88888 88888 00044 00044	FSK 100/625	(AB)
F11	7837	25-8	0520	Thu	0446 88888 88888 81274 41351 54854 ... 30885 88697 57119 88888 88888 00044 00044	FSK 100/625	(AB)
F11	13470	25-8	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	13470	25-8	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	14940	25-8	0730	Thu	0433 88888 88888 25743 09108 74010 ... 47694 76003 21086 88888 88888 00038 00038	FSK 100/625	(AB)
F11	14940	25-8	0735	Thu	0433 88888 88888 25743 09108 74010 ... 47694 76003 21086 88888 88888 00038 00038	FSK 100/625	(AB)
F11	6480	25-8	0800	Thu	0434 00000	FSK 100/625	(AB)
F11	6480	25-8	0805	Thu	0434 00000	FSK 100/625	(AB)
F11	13537	26-8	0530	Fri	0453 00000	FSK 100/625	(AB)
F11	13537	26-8	0535	Fri	0453 00000	FSK 100/625	(AB)
F11	14575	26-8	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	14575	26-8	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	8423	26-8	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	8423	26-8	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7837	29-8	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7837	29-8	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6480	29-8	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6480	29-8	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	13424	29-8	0845	Mon	0353 00000	FSK 100/625	(AB)
F11	13424	29-8	0850	Mon	0353 00000	FSK 100/625	(AB)
F11	13470	30-8	0630	Tue	0574 00000	FSK 100/625	(AB)
F11	13470	30-8	0635	Tue	0574 00000	FSK 100/625	(AB)
F11	14575	30-8	0655	Tue	0684 00000	FSK 100/625	(AB)
F11	14575	30-8	0700	Tue	0684 00000	FSK 100/625	(AB)
F11	14940	30-8	0730	Tue	0433 00000	FSK 100/625	(AB)
F11	14940	30-8	0735	Tue	0433 00000	FSK 100/625	(AB)
F11	8423	30-8	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	8423	30-8	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	10210	30-8	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	10210	30-8	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	15690	30-8	1245	Tue	Polish Intel.	FSK 100/625	(AB)
F11	15690	30-8	1250	Tue	Polish Intel.	FSK 100/625	(AB)
F11	13537	31-8	0530	Wed	0453 00000	FSK 100/625	(AB)
F11	13537	31-8	0535	Wed	0453 00000	FSK 100/625	(AB)
F11	13424	31-8	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	13424	31-8	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	10210	31-8	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	10210	31-8	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	15690	31-8	1245	Wed	0132 00000	FSK 100/625	(AB)
F11	15690	31-8	1250	Wed	0132 00000	FSK 100/625	(AB)
G06	7320	1-8	0758	Mon	329 329 329 00000 (2 mins early)	USB	(AB)
G06	5348	1-8	1625	Mon	111 111 111	USB	(AB)
G06	5348	1-8	1656	Mon	111	USB	(AB)
G06	5348	1-8	1700	Mon	574 574 574 00000	USB	(AB/MPJ)

G06	5959	1-8	1709	Mon	111 111 000 111 111 111 0000	USB	(AB)
G06	5959	1-8	1716	Mon	111 111 111 00000 111 111 111 000	USB	(AB)
G06	5959	1-8	1718	Mon	111 111 111 00	USB	(AB)
G06	5959	1-8	1732	Mon	111	USB	(AB)
G06	5959	1-8	1737	Mon	11	USB	(AB)
G06	5959	1-8	1759	Mon	574 574 574 00000 (1 min early)	USB	(AB/MPJ)
G06	7425	3-8	1200	Wed	574 574 574 00000	USB	(MPJ/Edd-POL)
G06	6956	3-8	1300	Wed	574 574 574 00000	USB	(AB)
G06	5348	8-8	1700	Mon	574 574 574 00000	USB	(AB/MPJ)
G06	5859	8-8	1800	Mon	574 574 574 00000	USB	(AB/MPJ)
G06	7425	10-8	1200	Wed	574 574 574 00000	USB	(AB/ES-POL)
G06	6956	10-8	1300	Wed	574 574 574 00000	USB	(AB/MPJ/ES-POL)
G06	6887	11-8	1830	Thu	942 317 90 37839 35787 98273 ... 64848 85748 84784 317 90 00000	USB	(AB/MPJ)
G06	5943	12-8	1930	Fri	218 317 90 37839 35787 98273 60187 16202 ... 85764 87567 64848 85748 84784 317 90 00000	USB	(AB/MPJ)
G06	7320	15-8	0800	Mon	329 329 329 00000	USB	(AB)
G06	5890	18-8	1259	Thu	329 329 329 00000	USB	(AB)
G06	6887	25-8	1830	Thu	842 272 20 14259 22676 32782 ... 73311 98089 12250 272 20 0000	USB	(AB/MPJ)
G06	5943	26-8	1930	Fri	218 569 63 16259 22666 32582 ... 32333 73433 54575 569 63 00000	USB	(AB/GHn/MPJ)
HM01	10715	31-7	2200		33238 03767 44617 86305 41251 03515	AM/RDFT	(Dan)
HM01	10860	1-8	0523	Mon	i.p. 33238 03767 44617 86305 41251 03515	AM/RDFT	(AB)
HM01	10354	1-8	0554	Mon	33238 03767 44617 86305 41251 03515	AM/RDFT	(AB)
HM01	9330	1-8	0654	Mon	33238 03767 44617 86305 41251 03515	AM/RDFT	(AB)
HM01	9065	1-8	0804	Mon	i.p. 33238 03767 44617 86305 41251 03515	AM/RDFT	(AB)
HM01	11435	1-8	1559	Mon	33239 03768 44618 86306 41252 03516	AM/RDFT	(RR2)
HM01	11435	2-8	1600	Tue	i.p. 43011 24671 44619 86307 41253 03517	AM/RDFT	(RR2)
HM01	11635	2-8	1802	Tue	43011 24671 44619 86307 41253 03517	AM/RDFT	(DSch)
HM01	17480	2-8	2200	Tue	43011 24671 44619 86307 41253 03517	AM/RDFT	(Dan)
HM01	11435	3-8	1604	Wed	i.p. 43011 24671 51321 64771 41254 18641	AM/RDFT	(RR2)
HM01	11530	3-8	1729	Wed	43011 24671 51321 64771 41254 18641	AM/RDFT	(DSch)
HM01	11462	4-8	0532	Thu	i.p. 43011 24671 51321 64771 41254 18641	AM/RDFT	(AB)
HM01	11435	4-8	1602	Thu	i.p. 43012 24672 51321 64771 41255 18641	AM/RDFT	(RR2)
HM01	11435	5-8	1559	Fri	i.p. 43013 24673 51322 64772 41256 18642	AM/RDFT	(RR2)
HM01	11530	5-8	1742	Fri	43013 24673 51322 64773 41256 18642	AM/RDFT	(DSch)
HM01	11530	6-8	1700	Sat	i.p. 43014 24674 51323 64773 41257 18643	AM/RDFT	(RR2)
HM01	11530	6-8	1714	Sat	i.p. 43014 24674 51323 64773 41257 18643	AM/RDFT	(RR2)
HM01	17480	6-8	2200	Sat	43014 24674 51323 64773 41257 18643	AM/RDFT	(Dan)
HM01	11435	7-8	1600	Sun	43015 64675 51324 64774 41258 8644	AM/RDFT	(DSch/RR2)
HM01	11435	8-8	1601	Mon	i.p. 43016 24676 51325 64775 41259 18645	AM/RDFT	(RR2)
HM01	11435	8-8	1606	Mon	i.p. 43016 24676 51325 64775 41259 18645	AM/RDFT	(DSch)
HM01	11635	8-8	2115	Mon	i.p. 43016 24676 51325 64775 41259 18645	AM/RDFT	(DSch)
HM01	11435	9-8	1638	Tue	i.p. 43017 24677 51326 64776 23171 18646	AM/RDFT	(DSch)
HM01	11530	9-8	1700	Tue	No callup but right into the messages: 43017 24677 51326 64776 23171 18646	AM/RDFT	(RR2)
HM01	11530	9-8	1738	Tue	i.p. 43017 24677 51326 64776 23171 18646	AM/RDFT	(DSch)
HM01	17480	9-8	2200	Tue	43017 24677 51326 64776 23171 18646	AM/RDFT	(Dan)
HM01	10860	10-8	0504	Wed	i.p. 11435 43017 24677 51326 64776 23171 18646	AM/RDFT	(AB)
HM01	10345	10-8	0553	Wed	Early start 11435 43017 24677 51326 64776 23171 18646	AM/RDFT	(AB)
HM01	11435	10-8	1558	Wed	25881 24678 51327 64777 23171 18647	AM/RDFT	(RR2)
HM01	11530	10-8	1701	Wed	25881 24678 51327 64777 23171 18647	AM/RDFT	(DSch)
HM01	11635	10-8	2113	Wed	25881 24678 51327 64777 23171 18647	AM/RDFT	(DSch)
HM01	10715	10-8	2201	Wed	25881 24678 51327 64777 23171 18647	AM/RDFT	(DSch)
HM01	11435	11-8	1639	Thu	25881 26801 20271 64778 23172 87748	AM/RDFT	(DSch)
HM01	11635	11-8	1758	Thu	25881 26801 20271 64778 23172 18648	AM/RDFT	(RR2)
HM01	17480	11-8	2200	Thu	27881 26801 20271 64778 23172 18648	AM/RDFT	(Dan)
HM01	10860	12-8	0501	Fri	25881 26801 20271 64778 23172 18648	AM/RDFT	(AB)
HM01	10345	12-8	0557	Fri	25881 26801 20271 64778 23172 18648	AM/RDFT	(AB)
HM01	9330	12-8	0657	Fri	25881 26801 20271 64778 23172 18648	AM/RDFT	(AB)
HM01	11435	12-8	1602	Fri	25882 26801 20271 64779 23173 87731	AM/RDFT	(DSch)
HM01	11635	12-8	1804	Fri	25882 26801 20271 64779 23173 87731	AM/RDFT	(RR2)
HM01	11635	12-8	2109	Fri	25882 26801 20271 64779 23173 87731	AM/RDFT	(DSch)

HM01	11462	13-8	0459	Sat	25882 26801 20271 64779 23173 87731	AM/RDFT	(AB)
HM01	14375	13-8	0557	Sat	25882 26801 20271 64779 23173 87731	AM/RDFT	(AB)
HM01	11635	13-8	0756	Sat	25882 26801 20271 64779 23173 87731	AM/RDFT	(AB)
HM01	11435	13-8	1600	Sat	25883 26802 20272 43251 23174 87731	AM/RDFT	(DSch)
HM01	16180	13-8	2100	Sat	25883 26802 20272 43251 23174 87731	AM/RDFT	(RR2)
HM01	11435	14-8	1635	Sun	i.p. 25884 26803 20273 43251 23175 87732	AM/RDFT	(RR2)
HM01	11435	14-8	1737	Sun	25884 26803 20273 43251 23175 87732	AM/RDFT	(DSch)
HM01	10860	15-8	0501	Mon	25884 26803 20273 43251 23175 87732. Late start	AM/RDFT	(AB)
HM01	10345	15-8	0557	Mon	25884 26803 20273 43251 23175 87732. Late start	AM/RDFT	(AB)
HM01	10715	15-8	1600	Mon	25885 26804 20274 43252 23176 87733	AM/RDFT	(DSch))
HM01	11530	15-8	1701	Mon	25885 26804 20274 43252 23176 87733	AM/RDFT	(DSch))
HM01	11635	15-8	2057	Mon	25885 26804 20274 43252 23176 87733	AM/RDFT	(RR2)
HM01	11462	16-8	0458	Tue	25885 26804 20274 43252 23176 87733	AM/RDFT	(AB)
HM01	11435	16-8	1628	Tue	i.p. 25886 26805 20275 43253 23177 87734	AM/RDFT	(RR2)
HM01	11530	16-8	1701	Tue	i.p. 25886 26805 20275 43253 23177 87734	AM/RDFT	(DSch)
HM01	10345	17-8	0634	Wed	i.p. 25886 26805 20275 43253 23177 87734	AM/RDFT	(AB)
HM01	11435	17-8	1558	Wed	i.p. 25887 26806 20276 43254 70141 87735	AM/RDFT	(RR2)
HM01	11435	17-8	1619	Wed	i.p. 25887 26806 20276 43254 70141 87735	AM/RDFT	(DSch)
HM01	11462	18-8	0503	Thu	25887 26806 20276 43254 70141 87735	AM/RDFT	(AB)
HM01	14375	18-8	0600	Thu	25887 26806 20276 43254 70141 87735	AM/RDFT	(AB)
HM01	13435	18-8	0657	Thu	25887 26806 20276 43254 70141 87735	AM/RDFT	(AB)
HM01	11635	18-8	0758	Thu	25887 26806 20276 43254 70141 87735	AM/RDFT	(AB)
HM01	11635	18-8	1810	Thu	i.p. 33561 26807 20277 43255 70141 87736	AM/RDFT	(DSch)
HM01	17480	18-8	2154	Thu	33461 26807 20277 43255 70141 87736	AM/RDFT	(RR2)
HM01	10860	19-8	0459	Fri	33461 26807 20277 43255 70141 87736	AM/RDFT	(AB)
HM01	10860	19-8	0554	Fri	33461 26807 20277 43255 70141 87736. Should be on 10354 kHz. Stops at 0558 UTC. Switches to 10354 kHz	AM/RDFT	(AB)
HM01	10354	19-8	0559	Fri	33461 26807 20277 43255 70141 87736	AM/RDFT	(AB)
HM01	9330	19-8	0657	Fri	33461 26807 20277 43255 70141 87736	AM/RDFT	(AB)
HM01	11435	20-8	1602	Sat	33462 62851 20279 43257 70143 71711. Up late at 1602z after technical difficulties	AM/RDFT	(RR2)
HM01	11435	20-8	1616	Sat	i.p. 33462 62851 20279 43257 70143 71711	AM/RDFT	(DSch)
HM01	16180	20-8	2109	Sat	33462 62851 20279 43257 70143 71711	AM/RDFT	(CtY)
HM01	16180	20-8	2109	Sat	33462 62851 20279 43257 70143 71711	AM/RDFT	(CtY)
HM01	10860	21-8	0502	Sun	33462 62851 20279 43257 70143 71711	AM/RDFT	(AB)
HM01	10860	21-8	0557	Sun	33462 62851 20279 43257 70143 71711. Starts new transmission. Should be on 10345 kHz. Stops and restarts at 0604 UTC. Off at 0605 UTC	AM/RDFT	(AB)
HM01	10345	21-8	0605	Sun	33462 62851 20279 43257 70143 71711. Switched from 10860 kHz at 0605 UTC	AM/RDFT	(AB)
HM01	9330	21-8	0706	Sun	i.p. 33462 62851 20279 43257 70143 71711	AM/RDFT	(AB)
HM01	9065	21-8	0817	Sun	i.p. 33462 62851 20279 43257 70143 71711	AM/RDFT	(AB)
HM01	11435	21-8	1614	Sun	33463 62851 85401 37661 70144 71711	AM/RDFT	(RR2)
HM01	11635	21-8	1843	Sun	i.p. 33463 62851 85401 37661 70114 71711	AM/RDFT	(DSch)
HM01	10715	21-8	2200	Sun	33463 62851 85401 37661 70144 71711	AM/RDFT	(Dan)
HM01	10860	22-8	0501	Mon	i.p.33463 62851 85401 37661 70144 71711	AM/RDFT	(AB)
HM01	9330	22-8	0700	Mon	33463 62851 85401 37661 70144 71711\	AM/RDFT	(BvR)
HM01	11635	22-8	1759	Mon	33464 62852 85401 37661 70145 71712	AM/RDFT	(DSch)
HM01	11462	23-8	0506	Tue	i.p. 33464 62852 85401 37661 70145 71712	AM/RDFT	(AB)
HM01	11530	23-8	1658	Tue	33465 62853 85402 37662 70146 71713	AM/RDFT	(RR2)
HM01	16180	23-8	2058	Tue	33465 62853 85402 37662 70146 71713	AM/RDFT	(RR2)
HM01	11435	24-8	1558	Wed	33466 62854 85403 37663 70147 71714	AM/RDFT	(RR2)
HM01	11635	24-8	1841	Wed	33466 62854 85403 37663 70147 71714	AM/RDFT	(DSch)
HM01	11635	25-8	1835	Thu	33467 62855 85404 37664 70148 71715	AM/RDFT	(DSch)
HM01	16180	25-8	2058	Thu	33467 62855 85404 37664 70148 71715	AM/RDFT	(RR2)
HM01	17480	25-8	2157	Thu	33467 62855 85404 37664 70148 71715	AM/RDFT	(RL)
HM01	10860	26-8	0502	Fri	33467 62855 85404 37664 70148 71715	AM/RDFT	(AB)
HM01	11530	26-8	1658	Fri	33468 62856 85405 37665 32431 71716	AM/RDFT	(MPJ)
HM01	11635	26-8	1831	Fri	33468 62856 85405 37665 32431 71716	AM/RDFT	(DSch)
HM01	11530	27-8	1737	Sat	i.p. 33469 62857 85406 37666 32431 71717	AM/RDFT	(RR2)
HM01	11635	27-8	1829	Sat	33469 62857 85406 37666 32431 71717	AM/RDFT	(DSch)
HM01	10860	28-8	0456	Sun	33469 62857 85406 37666 32431 71717	AM/RDFT	(AB)
HM01	10345	28-8	0553	Sun	33469 62857 85406 37666 32431 71717 Early start	AM/RDFT	(AB)
HM01	9330	28-8	0701	Sun	Brief music, probably Radio Habana. At 0701 UTC: 33469 62857 85406 37666 32431 71717	AM/RDFT	(AB)
HM01	11435	29-8	1558	Mon	88741 62859 71781 37668 32433 61001	AM/RDFT	(RR2)

HM01	11530	29-8	1701	Mon	88741 62859 71781 37668 32433 61001	AM/RDFT	(DSch)
HM01	11435	30-8	1535	Tue	88742 74581 71781 37669 32434 61002	AM/RDFT	(DSch)
HM01	11435	30-8	1558	Tue	88742 74581 71781 37669 32434 61002	AM/RDFT	(RR2)
HM01	11435	31-8	1535	Wed	88743 74581 71782 24021 32435 61003	AM/RDFT	(DSch)
HM01	11635	31-8	2058	Wed	88743 74581 71782 24021 32435 61003	AM/RDFT	(RR2)
HM01	10715	31-8	2159	Wed	88743 74581 71782 24021 32435 61003	AM/RDFT	(DSch)
HM02	7351	1-8	0430	Mon	912 58 = 80278 32241 23181 ... 17786 07263 32133 = 912 58 912 58 = repeats message = 912 58 000	FSK- 19.8bd/129Hz/FSK- CW	(BR)
HM02	7351	1-8	0432	Mon	985 43 = 09733 64247 02170 ... 97621 00071 54878 = 985 43 985 43 = repeats message = 985 43 000	FSK- 19.8bd/129Hz/FSK- CW	(AB/BR)
HM02	7351	3-8	0423	Wed	916 58 = 53714 76041 75452 ... 50228 54444 90654 = 916 58 916 58 = repeats message = 916 58 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	4-8	0441	Thu	452 45 = 09733 64247 02170 ... 54878 45823 45870 = 952 45 452 45 = repeats message = 952 45 000. Errors: 452 vs 952	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	5-8	0430	Fri	249 57 = 43572 86515 34267 ... 36605 66112 25373 = 249 57 249 57 = repeats message = 249 57 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	6-8	0427	Sat	458 63 = 08686 21567 66548 ... 46575 60513 12736 = 458 63 458 63 = repeats message = 458 63 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	8-8	0426	Mon	263 52 = 85951 44942 95275 ... 68685 80645 52752 = 263 52 263 52 = repeats message = 263 52 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	9-8	0430	Tue	268 59 = 87880 30056 62445 ... 63768 27038 84374 = 268 59 268 59 = repeats message = 268 59	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	10-8	0432	Wed	482 49 = 24562 67874 25634 ... 57093 85807 63290 = 482 49 482 49 = repeats message = 482 49 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	11-8	0436	Thu	476 53 = 53714 76041 75462 ... 60102 87154 54212 = 476 53 476 53 = repeats message = 476 53 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	12-8	0425	Fri	950 52 = 86183 03636 84303 ... 75426 46575 60513 = 950 52 950 52 = repeats message = 950 52 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	13-8	0430	Sat	267 62 = 70356 05556 02472 ... 81548 11376 76011 = 267 62 267 62 = repeats message = 267 62 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	14-8	0433	Sun	251 54 = 09720 34403 60708 ... 49871 39989 02129 = 251 54 251 54 = repeats message = 251 54 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	15-8	0429	Mon	436 56 = 53714 76041 75462 ... 34561 76109 43609 = 436 56 436 56 = repeats message = 436 56 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	16-8	0425	Tue	451 53 = 88211 34653 81817 ... 41839 57571 60929 = 451 43 451 43 = repeats message = 451 43 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	17-8	0428	Wed	279 48 = 38226 09795 80280 ... 38092 47230 52081 = 279 48 279 48 = repeats message = 279 48 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	18-8	0419	Thu	524 41 = 80898 53131 05535 ... 30788 36845 55548 = 524 41 524 41 = repeats message = 524 41 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	19-8	0431	Fri	348 45 = 53714 76041 75452 ... 54212 34561 76109 = 348 45 348 45 = repeats message = 348 45 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	11530	19-8	1628	Fri	33461 26808 20278 43256 70142 87737	AM/RDFT	(RR2)
HM02	7351	20-8	0426	Sat	710 49 = 11262 90438 28239 ... 20390 47029 62476 = 710 49 710 49 = repeats message = 710 49 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	7351	21-8	0426	Sun	264 58 = 05084 58141 50243 ... 30480 53673 15640 = 264 58 264 58 = repeats message = 264 58 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)

HM02	11635	22-8	1807	Mon	i.p. 33464 62852 85401 37661 70145 71712	AM/RDFT	(RR2)
HM02	7351	23-8	0437	Tue	Msg starts in FSK 50/129 with 548 51 = 40066 62077 62044 ... then switches to CW: 262 58 = 05084 58141 50243 ... 30480 53673 15640 = 262 58 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	24-8	0427	Wed	414 46 = 45619 05459 00978 ... 08624 03432 71254 = 414 46 414 46 = repeats message = 414 46 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	25-8	0426	Thu	192 54 = 87417 56020 74504 ... 31836 37111 60017 = 192 54 192 54 = repeats message = 192 54 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	26-8	0434	Fri	354 57 = 95396 42885 24978 ... 41279 71967 63685 = 354 57 354 57 = repeats message = 354 57 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	27-8	0432	Sat	548 51 = 40066 62077 62044 ... 80667 33308 62765 = 548 51 548 51 = repeats message = 548 51 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	28-8	0441	Sun	905 48 = 27687 30547 88377 ... 66007 72646 38050 = 905 48 905 48 = repeats message = 905 48 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	29-8	0430	Mon	819 53 = 67534 46631 77055 ... 60152 34454 28515 = 819 53 819 53 = repeats message = 819 53 00000 (5 zeros)	FSK-19.8bd/129Hz/FSK-CW	(AB/BR)
HM02	7351	30-8	0420	Tue	283 42 = 09733 64247 02170 ... 65930 97621 00071 = 283 42 283 42 = repeats message = 283 42 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	7351	31-8	0426	Wed	823 47 = 08351 20583 25146 ... 37513 57073 78748 = 823 47 823 47 = repeats message = 823 47 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
M01	5280	2-8	1800	Tue	025 779 30 = = 15307 00514 28323 81668 26080 ... 727.9 98314 10702 77246 83507 = = 779 30 000	CW	(MPJ)
M01	5280	16-8	1800	Tue	025 707 30 = = 59534 5838. ... 52..2 620.. (faded) ...(ends) 17067 36866 90958 60129 67383 = = 707 30 000	CW	(MPJ)
M01	4905	18-8	2000	Thu	025 805 30 = = 61648 34694 91500 80544 53580 ... 88431 88801 33511 14167 74746 = = 805 30 000	CW	(MPJ)
M01	5280	23-8	1800	Tue	025 264 30 = = 70.2870730304282.42163421634767647676 ... 1122311223068000680041214121953081530810659406594 = = 264 30 000. No spaces in text	CW	(MPJ)
M01	5280	25-8	1800	Thu	025 147 30 = 35406 46414 82179 ... 29573 71772 59313 = 147 30 000	CW	(JKc)
M01	4905	25-8	2000	Thu	025 348 30 = 24751 49218 75579 ... 52988 16240 07744 = 348 30 000	CW	(JKc)
M01	5280	30-8	1800	Tue	025 677 30 = = 12589 36701 84625 77458 89547 ... 26845 78549 26988 37146 02549 = = 677 30 000	CW	(MPJ)
M01	4905	30-8	2000	Tue	025 518 30 = = 11789 08705 42466 87190 65825 ... 12055 00515 48518 21551 00411 = = 518 30 000	CW	(MPJ)
M01a	3040.2	15-8	2105	Mon	i.p. 982 982 982 571 571 571 982 982 982 571 571 571 98328 98328 571 571 571 98328 98328 571 571 571 98328 98328	CW	(uascan)
M01b	5125	1-8	1810	Mon	364 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5735 kHz	MCW	(MPJ)
M01b	5735	1-8	1810	Mon	364 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5125 kHz	MCW	(MPJ)
M01b	5150	1-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5475 kHz	MCW	(MPJ)
M01b	5475	1-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5150 kHz	MCW	(MPJ)
M01b	5095	4-8	1832	Thu	815 707 30 = = 11293 84579 21901 54181 16541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5769 kHz	MCW	(MPJ)
M01b	5769	4-8	1832	Thu	815 707 30 = = 11293 84579 21901 54181 16541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5095 kHz	MCW	(MPJ)
M01b	5065	4-8	1942	Thu	936 707 30 = = 11293 84579 21901 54181 16541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5805 kHz	MCW	(MPJ)
M01b	5805	4-8	1942	Thu	936 707 30 = = 11293 84579 21901 54181 16541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5065 kHz	MCW	(MPJ)
M01b	5075	5-8	1907	Fri	i.p. 54181 75541 61305 22295 65467 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5465 kHz	MCW	(MPJ)

M01b	5465	5-8	1907	Fri	i.p. 54181 75541 61305 22295 65467 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5075 kHz	MCW	(MPJ)
M01b	5125	8-8	1818	Mon	i.p. 65468 36268 65211 58713 43112 ... 18189 88234 61255 11444 41303 = = 707 30 000	MCW	(MPJ)
M01b	5150	8-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5475 kHz	MCW	(MPJ)
M01b	5475	8-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5150 kHz	MCW	(MPJ)
M01b	5095	11-8	1832	Thu	Unmodulated carrier only	MCW	(MPJ)
M01b	5065	11-8	1942	Thu	936 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5805 kHz	MCW	(MPJ)
M01b	5805	11-8	1942	Thu	936 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5065 kHz	MCW	(MPJ)
M01b	5075	12-8	1902	Fri	336 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000	MCW	(MPJ)
M01b	5125	15-8	1810	Mon	364 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5735 kHz	MCW	(MPJ/Tom)
M01b	5735	15-8	1810	Mon	364 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5125 kHz	MCW	(MPJ)
M01b	5150	15-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5475 kHz	MCW	(MPJ)
M01b	5475	15-8	1915	Mon	858 707 30 = = 11293 84579 21901 54181 76541 ... 18189 88234 61255 11444 41303 = = 707 30 000 //5150 kHz	MCW	(MPJ)
M01b	5095	18-8	1832	Thu	915 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5760 kHz	MCW	(MPJ)
M01b	5760	18-8	1832	Thu	915 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5095 kHz	MCW	(MPJ)
M01b	5065	18-8	1942	Thu	936 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5805 kHz	MCW	(MPJ)
M01b	5805	18-8	1942	Thu	936 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5065 kHz	MCW	(MPJ)
M01b	5075	19-8	1902	Fri	336 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	19-8	1902	Fri	336 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5075 kHz	MCW	(MPJ)
M01b	5125	22-8	1810	Mon	364 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5735 kHz	MCW	(MPJ)
M01b	5735	22-8	1810	Mon	364 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5125 kHz	MCW	(MPJ)
M01b	5150	22-8	1915	Mon	858 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	22-8	1915	Mon	858 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	25-8	1832	Thu	815 903 31 = 76774 67655 44633 ... 62054 57816 51536 = 903 31 000 //5760 kHz	MCW	(JKc)
M01b	5760	25-8	1832	Thu	815 903 31 = 76774 67655 44633 ... 62054 57816 51536 = 903 31 000 //5095 kHz	MCW	(JKc)
M01b	5065	25-8	1942	Thu	936 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5805 kHz	MCW	(MPJ/JKc)
M01b	5805	25-8	1942	Thu	936 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5065 kHz	MCW	(MPJ/JKc)
M01b	5075	26-8	1902	Fri	336 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	26-8	1902	Fri	336 903 31 = = 76774 67655 44633 94944 90479 ... 36556 69979 62054 57816 51536 = = 903 31 000 //5075 kHz	MCW	(MPJ)
M01b	5125	29-8	1810	Mon	364 903 31 = = 76774 67655 44633 94944 90479 ... 26556 69979 62054 57816 51536 = = 903 31 000 //5735 kHz	MCW	(MPJ)
M01b	5735	29-8	1810	Mon	364 903 31 = = 76774 67655 44633 94944 90479 ... 26556 69979 62054 57816 51536 = = 903 31 000 //5125 kHz	MCW	(MPJ)
M01b	5150	29-8	1915	Mon	858 903 31 = = 76774 67655 44633 94944 90479 ... 26556 69979 62054 57816 51536 = = 903 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	29-8	1915	Mon	858 903 31 = = 76774 67655 44633 94944 90479 ... 26556 69979 62054 57816 51536 = = 903 31 000 //5150 kHz	MCW	(MPJ)
M08a	8135	12-8	2304	Fri	i.p.	CW	(DSch)
M12	5792	1-8	0430	Mon	796 796 796 000	CW	(Edd-HOL)
M12	6992	1-8	0450	Mon	796 796 796 000	CW	(Edd-HOL)

M12	7484	1-8	0630	Mon	402 402 402 000	CW	(Edd-HOL)
M12	8084	1-8	0650	Mon	402 402 402 000	CW	(Edd-HOL)
M12	12205	1-8	1100	Mon	973 1 (R) 427 41 80511 84930 68132 ... 84170 43101 58051 000 000	CW	(AB/Edd-HOL)
M12	13559	1-8	1120	Mon	973 1 (R) 427 41 80511 84930 68132 ... 84170 43101 58051 000 000	CW	(AB/Edd-HOL)
M12	14728	1-8	1140	Mon	973 1 (R) 427 41 80511 84930 68132 ... 84170 43101 58051 000 000	CW	(AB/Edd-HOL)
M12	9176	1-8	1800	Mon	257 1 2183 141 92198 58122 12229 53413 61049 ... 35431 19272 58507 60031 94668 000 000	CW	(MPJ)
M12	8053	2-8	0800	Tue	816 1 (R) 8379 51 69755 80676 17216 ... 20120 16675 48238 000 000	CW	(Edd-HOL)
M12	9176	2-8	2000	Tue	257 1 7161 72 17922 60029 13311 74488 52236 ... 48816 67754 50549 15969 59506 000 000	CW	(MPJ)
M12	16348	3-8	0710	Wed	316 316 316 000	CW	(AB/Edd-HOL)
M12	18148	3-8	0730	Wed	316 316 316 000	CW	(AB/Edd-HOL)
M12	15983	3-8	1400	Wed	963 1 (R) 4994 73 76774 41763 29134 ... 78578 87593 18517 000 000	CW	(AB/MPJ)
M12	14683	3-8	1420	Wed	963 1 (R) 4994 73 76774 41763 29134 ... 78578 87593 18517 000 000	CW	(AB/MPJ)
M12	13383	3-8	1440	Wed	963 1 (R) 4994 73 76774 41763 29134 ... 78578 87593 18517 000 000	CW	(AB/MPJ)
M12	9176	3-8	1800	Wed	257 1 1652 134 96543 60208 88789 86247 72890 ... 67636 25086 20429 74228 85377 000 000	CW	(MPJ)
M12	7931	3-8	1820	Wed	257 1 1652 134 96543 60208 88789 86247 72890 ... 67636 25086 20429 74228 85377 000 000	CW	(MPJ)
M12	6904	3-8	1840	Wed	257 1 1652 134 96543 60208 88789 86247 72890 ... 67636 25086 20429 74228 85377 000 000	CW	(MPJ)
M12	8047	3-8	1900	Wed	463 1 6388 136 55866 65779 70936 24868 81079 ... 37081 76136 83366 89011 15333 000 000	CW	(MPJ)
M12	6802	3-8	1920	Wed	463 1 6388 136 55866 65779 70936 24868 81079 ... 37081 76136 83366 89011 15333 000 000	CW	(MPJ)
M12	5788	3-8	1940	Wed	463 1 6388 136 55866 65779 70936 24868 81079 ... 37081 76136 83366 89011 15333 000 000	CW	(MPJ)
M12	8123	3-8	2100	Wed	198 198 198 000	CW	(HFD)
M12	13369	3-8	2110	Wed	314 1 ...	CW	(HFD)
M12	6923	3-8	2120	Wed	198 198 198 000	CW	(HFD)
M12	12179	3-8	2130	Wed	314 1 ...	CW	(HFD)
M12	10469	3-8	2150	Wed	314 1 ...	CW	(HFD)
M12	7484	4-8	0630	Thu	402 402 402 000	CW	(HFD)
M12	8084	4-8	0650	Thu	402 402 402 000	CW	(HFD)
M12	14468	4-8	1310	Thu	451 451 451 000	CW	(MPJ)
M12	13568	4-8	1330	Thu	451 451 451 000	CW	(MPJ)
M12	11435	4-8	1800	Thu	938 1 9148 148 72051 80997 66112 60255 37693 ... 66649 44333 73164 58453 00739 000 000	CW	(MPJ)
M12	10598	4-8	1820	Thu	938 1 9148 148 72051 80997 66112 60255 37693 ... 66649 44333 73164 58453 00739 000 000	CW	(MPJ)
M12	9327	4-8	1840	Thu	938 1 9148 148 72051 80997 66112 60255 37693 ... 66649 44333 73164 58453 00739 000 000	CW	(MPJ)
M12	9176	4-8	1900	Thu	257 1 5377 119 83060 67537 36722 02775 50290 ... 94564 10364 71524 78547 77863 000 000	CW	(MPJ)
M12	7931	4-8	1920	Thu	257 1 5377 119 83060 67537 36722 02775 50290 ... 94564 10364 71524 78547 77863 000 000	CW	(MPJ)
M12	6904	4-8	1940	Thu	257 1 5377 119 83060 67537 36722 02775 50290 ... 94564 10364 71524 78547 77863 000 000	CW	(MPJ)
M12	8047	4-8	2000	Thu	463 1 2487 85 86893 58202 91680 21531 31727 ... 88216 45202 01943 00833 57149 000 000	CW	(MPJ/HFD)
M12	6802	4-8	2020	Thu	463 1 2487 85 86893 58202 91680 21531 31727 ... 88216 45202 01943 00833 57149 000 000	CW	(HFD)
M12	5788	4-8	2040	Thu	463 1 2487 85 86893 58202 91680 21531 31727 ... 88216 45202 01943 00833 57149 000 000	CW	(HFD)
M12	9167	6-8	0500	Sat	125 125 125 000	CW	(AB/Edd-HOL/HFD)
M12	10267	6-8	0520	Sat	125 125 125 000	CW	(AB/Edd-HOL)
M12	14468	6-8	1310	Sat	451 451 451 000	CW	(AB/MPJ/Edd-HOL)

M12	13568	6-8	1330	Sat	451 451 451 000	CW	(AB/MPJ/Edd-HOL)
M12	12179	6-8	2130	Sat	314 1 ...	CW	(AB)
M12	5792	8-8	0430	Mon	796 796 796 000	CW	(AB/Edd-HOL)
M12	6992	8-8	0450	Mon	796 796 796 000	CW	(AB/Edd-HOL)
M12	15953	8-8	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	8-8	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	9176	8-8	1800	Mon	257 1 2524 147 15708 86888 36951 97595 31118 ... 92509 94381 92131 47443 77415 000 000	CW	(MPJ)
M12	7931	8-8	1820	Mon	257 1 2524 147 15708 86888 36951 97595 31118 ... 92509 94381 92131 47443 77415 000 000	CW	(MPJ)
M12	6802	8-8	1830	Mon	463 1 1291 120 21524 36364 94945 57687 98319 ... 26196 81435 57156 12429 41874 000 000	CW	(MPJ)
M12	6904	8-8	1840	Mon	257 1 2524 147 15708 86888 36951 97595 31118 ... 92509 94381 92131 47443 77415 000 000	CW	(MPJ)
M12	5788	8-8	1850	Mon	463 1 1291 120 21524 36364 94945 57687 98319 ... 26196 81435 57156 12429 41874 000 000	CW	(MPJ)
M12	8053	9-8	0800	Tue	816 1 (R) 9043 63 04890 69902 60319 ... 66166 07262 47684 000 000	CW	(AB/Edd-HOL)
M12	9060	9-8	0940	Tue	Unscheduled txm: 687 1 5413 11 07191 12721 95474 61411 78961 98227 91863 87544 76989 93188 16446 000 000	CW	(qsr711)
M12	9176	9-8	2000	Tue	257 1 2516 97 86736 23924 37961 58710 20407 ... 00762 90241 75185 50044 34832 000 000	CW	(MPJ)
M12	16348	10-8	0710	Wed	316 316 316 000	CW	(ES)
M12	18148	10-8	0730	Wed	316 316 316 000	CW	(ES)
M12	15983	10-8	1400	Wed	963 963 963 000	CW	(AB/MPJ/ES)
M12	14683	10-8	1420	Wed	963 963 963 000	CW	(AB/ES)
M12	9176	10-8	1800	Wed	257 1 5754 140 21418 57359 21614 50754 62804 ... 11668 09228 28331 61809 86359 000 000	CW	(MPJ)
M12	7931	10-8	1820	Wed	257 1 5754 140 21418 57359 21614 50754 62804 ... 11668 09228 28331 61809 86359 000 000	CW	(MPJ)
M12	6904	10-8	1840	Wed	257 1 5754 140 21418 57359 21614 50754 62804 ... 11668 09228 28331 61809 86359 000 000	CW	(MPJ)
M12	8047	10-8	1900	Wed	463 1 3246 141 85603 50091 71778 60043 79273 ... 75605 30104 20887 56746 18868 000 000	CW	(MPJ)
M12	6802	10-8	1920	Wed	463 1 3246 141 85603 50091 71778 60043 79273 ... 75605 30104 20887 56746 18868 000 000	CW	(MPJ)
M12	5788	10-8	1940	Wed	463 1 3246 141 85603 50091 71778 60043 79273 ... 75605 30104 20887 56746 18868 000 000	CW	(MPJ)
M12	7484	11-8	0630	Thu	402 402 402 000	CW	(ES)
M12	8084	11-8	0650	Thu	402 402 402 000	CW	(AB/Edd-HOL)
M12	14468	11-8	1310	Thu	451 1 8579 167 66735 71344 77823 92685 000 000	CW	(ES)
M12	14468	11-8	1310	Thu	451 1 8579 167 66735 71344 59653 ... 95156 77823 92685 000 000	CW	(ES)
M12	13568	11-8	1330	Thu	451 1 8579 167 66735 71344 77823 92685 000 000	CW	(ES)
M12	12178	11-8	1350	Thu	451 1 8579 167 66735 71344 77823 92685 000 000	CW	(ES)
M12	11435	11-8	1800	Thu	938 1 3994 143 92134 39707 31259 82126 44594 ... 12558 35170 96674 28798 12564 000 000	CW	(MPJ)
M12	10598	11-8	1820	Thu	938 1 3994 143 92134 39707 31259 82126 44594 ... 12558 35170 96674 28798 12564 000 000	CW	(MPJ)
M12	9327	11-8	1840	Thu	938 1 3994 143 92134 39707 31259 82126 44594 ... 12558 35170 96674 28798 12564 000 000	CW	(MPJ)
M12	9176	11-8	1900	Thu	257 1 5420 123 85949 25445 37824 83459 74803 ... 42407 05638 97317 67803 59856 000 000	CW	(MPJ)
M12	7931	11-8	1920	Thu	257 1 5420 123 85949 25445 37824 83459 74803 ... 42407 05638 97317 67803 59856 000 000	CW	(MPJ)
M12	6904	11-8	1940	Thu	257 1 5420 123 85949 25445 37824 83459 74803 ... 42407 05638 97317 67803 59856 000 000	CW	(MPJ)
M12	8047	11-8	2000	Thu	463 1 1234 83 98400 19089 77582 36984 30108 ... 39608 63404 02673 54842 23204 000 000	CW	(MPJ)
M12	10267	12-8	0520	Fri	125 125 125 000	CW	(HFD)
M12	9264	12-8	1220	Fri	124 1 unreadable	CW	(ES)
M12	8116	12-8	1240	Fri	124 1 unreadable	CW	(ES)
M12	20167	12-8	1500	Fri	164 164 164 000	CW	(ES)
M12	18667	12-8	1520	Fri	164 164 164 000	CW	(ES)

M12	9167	13-8	0500	Sat	125 1 (R) 3749 101 77928 36083 90092 ... 66544 17516 40783 000 000	CW	(AB/ES)
M12	10267	13-8	0520	Sat	125 1 (R) 3749 101 77928 36083 90092 ... 66544 17516 40783 000 000	CW	(AB/ES)
M12	11267	13-8	0540	Sat	125 1 (R) 3749 101 77928 36083 90092 ... 66544 17516 40783 000 000	CW	(AB/ES)
M12	14468	13-8	1310	Sat	451 1 (R) 8579 167 66735 71344 59653 ... 95156 77823 92685 000 000	CW	(AB/MPJ/Edd-HOL)
M12	13568	13-8	1330	Sat	451 1 (R) 8579 167 66735 71344 59653 ... 95156 77823 92685 000 000	CW	(AB/MPJ/Edd-HOL)
M12	12178	13-8	1350	Sat	451 1 (R) 8579 167 66735 71344 59653 ... 95156 77823 92685 000 000	CW	(AB/MPJ/Edd-HOL)
M12	5792	15-8	0430	Mon	796 796 796 000	CW	(AB)
M12	6992	15-8	0450	Mon	796 796 796 000	CW	(AB)
M12	5792	15-8	0500	Mon	796 796 796 000	CW	(ES)
M12	6992	15-8	0520	Mon	796 796 796 000	CW	(ES)
M12	15983	15-8	1400	Mon	963 1 (R) 311 85 62185 12721 62100 ... 83352 83636 45665 000 000	CW	(AB/MPJ)
M12	14683	15-8	1420	Mon	963 1 (R) 311 85 62185 12721 62100 ... 83352 83636 45665 000 000	CW	(AB/MPJ)
M12	13383	15-8	1440	Mon	963 1 (R) 311 85 62185 12721 62100 ... 83352 83636 45665 000 000	CW	(AB/MPJ)
M12	9176	15-8	1800	Mon	257 1 8925 142 64670 66752 94583 79484 17833 ... 49862 45812 43695 55844 32133 000 000	CW	(MPJ)
M12	8047	15-8	1810	Mon	463 1 4079 114 10840 19402 87281 67706 63133 ... 45717 53184 34354 46265 51231 000 000	CW	(MPJ)
M12	7931	15-8	1820	Mon	257 1 8925 142 64670 66752 94583 79484 17833 ... 49862 45812 43695 55844 32133 000 000	CW	(MPJ)
M12	6802	15-8	1830	Mon	463 1 4079 114 10840 19402 87281 67706 63133 ... 45717 53184 34354 46265 51231 000 000	CW	(MPJ)
M12	6904	15-8	1840	Mon	257 1 8925 142 64670 66752 94583 79484 17833 ... 49862 45812 43695 55844 32133 000 000	CW	(MPJ)
M12	5788	15-8	1850	Mon	463 1 4079 114 10840 19402 87281 67706 63133 ... 45717 53184 34354 46265 51231 000 000	CW	(MPJ)
M12	8053	16-8	0800	Tue	816 1 9483 61 29390 82066 42371 ... 52194 62979 03589 000 000	CW	(ES)
M12	8053	16-8	0800	Tue	816 1 9483 61 29390 82066 62979 03589 000 000	CW	(ES)
M12	9178	16-8	0820	Tue	816 1 9483 61 29390 82066 62979 03589 000 000	CW	(ES)
M12	10287	16-8	0840	Tue	816 1 9483 61 29390 82066 62979 03589 000 000	CW	(ES)
M12	9176	16-8	2000	Tue	257 1 6056 90 43606 18309 11581 64323 68487 ... 87545 45946 03730 70502 25743 000 000	CW	(MPJ)
M12	16348	17-8	0710	Wed	316 316 316 000	CW	(AB/ES)
M12	18148	17-8	0730	Wed	316 316 316 000	CW	(AB/ES)
M12	15983	17-8	1400	Wed	963 1 311 85 62185 12721 62100 32971 19368 ... 96139 22674 83352 83636 45555 000 000	CW	(MPJ)
M12	14683	17-8	1420	Wed	963 1 311 85 62185 12721 62100 32971 19368 ... 96139 22674 83352 83636 45555 000 000	CW	(MPJ)
M12	13383	17-8	1440	Wed	963 1 311 85 62185 12721 62100 32971 19368 ... 96139 22674 83352 83636 45555 000 000	CW	(MPJ)
M12	9176	17-8	1800	Wed	257 1 3261 149 59464 33743 65914 71750 43515 ... 93288 37593 45129 63331 59548 000 000	CW	(MPJ)
M12	7931	17-8	1820	Wed	257 1 3261 149 59464 33743 65914 71750 43515 ... 93288 37593 45129 63331 59548 000 000	CW	(MPJ)
M12	6904	17-8	1840	Wed	257 1 3261 149 59464 33743 65914 71750 43515 ... 93288 37593 45129 63331 59548 000 000	CW	(MPJ)
M12	8047	17-8	1900	Wed	463 1 2949 141 10884 72143 94803 30668 43489 ... 80334 09987 51531 49750 60502 000 000	CW	(MPJ)
M12	6802	17-8	1920	Wed	463 1 2949 141 10884 72143 94803 30668 43489 ... 80334 09987 51531 49750 60502 000 000	CW	(MPJ)
M12	5788	17-8	1940	Wed	463 1 2949 141 10884 72143 94803 30668 43489 ... 80334 09987 51531 49750 60502 000 000	CW	(MPJ)
M12	7484	18-8	0630	Thu	402 402 402 000	CW	(AB)
M12	8084	18-8	0650	Thu	402 402 402 000	CW	(AB)
M12	11435	18-8	1800	Thu	938 1 6720 151 53033 23022 23466 13106 44099 ... 40228 76269 95932 37465 19105 000 000	CW	(MPJ)

M12	10598	18-8	1820	Thu	938 1 6720 151 53033 23022 23466 13106 44099 ... 40228 76269 95932 37465 19105 000 000	CW	(MPJ)
M12	9327	18-8	1840	Thu	938 1 6720 151 53033 23022 23466 13106 44099 ... 40228 76269 95932 37465 19105 000 000	CW	(MPJ)
M12	9176	18-8	1900	Thu	257 1 9297 113 77944 96481 82121 59020 96182 ... 07662 56863 49939 52495 56633 000 000	CW	(MPJ)
M12	7931	18-8	1920	Thu	257 1 9297 113 77944 96481 82121 59020 96182 ... 07662 56863 49939 52495 56633 000 000	CW	(MPJ)
M12	6904	18-8	1950	Thu	257 1 9297 113 77944 96481 82121 59020 96182 ... 07662 56863 49939 52495 56633 000 000	CW	(MPJ)
M12	8047	18-8	2000	Thu	463 1 9676 93 77397 38201 94313 45233 33225 ... 83051 95452 35922 36850 33309 000 000	CW	(MPJ)
M12	8116	19-8	1240	Fri	124 1 1384 63 14519 01361 6.815 28404 33634 ... (fading) 33808 88382 82157 ...	CW	(MPJ)
M12	9167	20-8	0500	Sat	125 125 125 000	CW	(AB)
M12	10267	20-8	0520	Sat	125 125 125 000	CW	(AB)
M12	14468	20-8	1310	Sat	451 451 451 000	CW	(MPJ)
M12	5792	22-8	0430	Mon	796 796 796 000	CW	(AB)
M12	6992	22-8	0450	Mon	796 796 796 000	CW	(AB)
M12	15983	22-8	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	22-8	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	9176	22-8	1800	Mon	257 1 4373 147 05227 36440 25879 19042 09857 ... 74105 86213 49200 40785 50286 000 000	CW	(MPJ)
M12	6802	22-8	1830	Mon	463 1 4586 110 63592 73494 16992 16329 61796 ... 44665 58671 70379 21454 51885 000 000	CW	(MPJ)
M12	5788	22-8	1850	Mon	463 1 4586 110 63592 73494 16992 16329 61796 ... 44665 58671 70379 21454 51885 000 000	CW	(MPJ)
M12	9176	23-8	2000	Tue	257 1 737 151 93096 63364 70651 52277 8.823 ... 17236 70.68 23718 48181 97951 000 000	CW	(MPJ)
M12	15983	24-8	1400	Wed	963 963 963 000	CW	(AB)
M12	14683	24-8	1420	Wed	963 963 963 000	CW	(AB/MPJ/BvR)
M12	7931	24-8	1800	Wed	257 1 1945 140 05613 96680 04583 71938 69217 ... 29359 97392 31895 00326 20761 000 000	CW	(MPJ)
M12	7931	24-8	1820	Wed	257 1 1945 140 05613 96680 04583 71938 69217 ... 29359 97392 31895 00326 20761 000 000	CW	(MPJ)
M12	6904	24-8	1840	Wed	257 1 1945 140 05613 96680 04583 71938 69217 ... 29359 97392 31895 00326 20761 000 000	CW	(MPJ)
M12	8047	24-8	1900	Wed	463 1 6395 148 15461 88717 33578 71076 94065 ... 08503 72988 13223 22276 49096 000 000	CW	(MPJ)
M12	6802	24-8	1920	Wed	463 1 6395 148 15461 88717 33578 71076 94065 ... 08503 72988 13223 22276 49096 000 000	CW	(MPJ)
M12	5788	24-8	1940	Wed	463 1 6395 148 15461 88717 33578 71076 94065 ... 08503 72988 13223 22276 49096 000 000	CW	(MPJ)
M12	7484	25-8	0630	Thu	402 402 402 000	CW	(AB)
M12	8084	25-8	0650	Thu	402 402 402 000	CW	(AB)
M12	14468	25-8	1310	Thu	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	13568	25-8	1330	Thu	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	12178	25-8	1350	Thu	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	11435	25-8	1800	Thu	938 1 7880 150 80720 58212 74694 84328 43054 ... 93475 53286 33160 16485 39105 000 000	CW	(MPJ)
M12	10598	25-8	1820	Thu	938 1 7880 150 80720 58212 74694 84328 43054 ... 93475 53286 33160 16485 39105 000 000	CW	(MPJ)
M12	9327	25-8	1840	Thu	938 1 7880 150 80720 58212 74694 84328 43054 ... 93475 53286 33160 16485 39105 000 000	CW	(MPJ)
M12	9176	25-8	1900	Thu	257 1 6010 119 30152 50894 75444 50858 87173 ... 02511 42887 21678 85633 66942 000 000	CW	(MPJ)
M12	7931	25-8	1920	Thu	257 1 6010 119 30152 50894 75444 50858 87173 ... 02511 42887 21678 85633 66942 000 000	CW	(MPJ)
M12	6904	25-8	1940	Thu	257 1 6010 119 30152 50894 75444 50858 87173 ... 02511 42887 21678 85633 66942 000 000	CW	(MPJ)
M12	8047	25-8	2000	Thu	463 1 737 151 93096 63364 70651 52277 84823 ... 17236 70968 23718 48181 97951 (Didn't send 000 000)	CW	(MPJ)

M12	10343	26-8	1200	Fri	124 1 6223 61 90352 92076 40659 93285 37811 ... 23295? 44772 70578 99144 36143 000 000	CW	(MPJ)
M12	10343	26-8	1200	Fri	124 1 (R) 6223 61 90352 92076 40659 ... 70578 99144 36143 000 000	CW	(AB)
M12	9264	26-8	1220	Fri	124 1 (R) 6223 61 90352 92076 40659 ... 70578 99144 36143 000 000	CW	(AB)
M12	9264	26-8	1220	Fri	124 1 6223 61 90352 92076 40659 93285 37811 ... 23295? 44772 70578 99144 36143 000 000	CW	(MPJ)
M12	8116	26-8	1240	Fri	124 1 (R) 6223 61 90352 92076 40659 ... 70578 99144 36143 000 000	CW	(AB)
M12	8116	26-8	1240	Fri	124 1 6223 61 90352 92076 40659 93285 37811 ... 23295? 44772 70578 99144 36143 000 000	CW	(MPJ)
M12	20167	26-8	1500	Fri	164 164 164 000	CW	(MPJ)
M12	18667	26-8	1520	Fri	164 164 164 000	CW	(MPJ)
M12	9167	27-8	0500	Sat	125 1 (R) 6983 91 18224 62946 71138 ... 75816 08968 77268 000 000	CW	(AB)
M12	10267	27-8	0520	Sat	125 1 (R) 6983 91 18224 62946 71138 ... 75816 08968 77268 000 000	CW	(AB)
M12	11567	27-8	0540	Sat	125 1 (R) 6983 91 18224 62946 71138 ... 75816 08968 77268 000 000	CW	(AB)
M12	14468	27-8	1310	Sat	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	13568	27-8	1330	Sat	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	12178	27-8	1350	Sat	451 1 (R) 2201 149 10736 94141 34532 ... 29882 23756 91870 000 000	CW	(AB/MPJ)
M12	9176	29-8	1800	Mon	257 1 3435 147 26688 45143 92547 44032 46609 ... 73128 99157 82046 04788 13125 000 000	CW	(MPJ)
M12	8047	29-8	1810	Mon	463 1 3446 120 62465 87995 25747 51479 72650 ... 87106 95947 64840 88785 54343 000 000	CW	(MPJ)
M12	7931	29-8	1820	Mon	257 1 3435 147 26688 45143 92547 44032 46609 ... 73128 99157 82046 04788 13125 000 000	CW	(MPJ)
M12	6802	29-8	1830	Mon	463 1 3446 120 62465 87995 25747 51479 72650 ... 87106 95947 64840 88785 54343 000 000	CW	(MPJ)
M12	6904	29-8	1840	Mon	257 1 3435 147 26688 45143 92547 44032 46609 ... 73128 99157 82046 04788 13125 000 000	CW	(MPJ)
M12	5788	29-8	1850	Mon	463 1 3446 120 62465 87995 25747 51479 72650 ... 87106 95947 64840 88785 54343 000 000	CW	(MPJ)
M12	15983	31-8	1400	Wed	963 1 1595 103 84337 83242 53034 79677 90392 ... 49345 75495 50435 92853 29688 000 000	CW	(MPJ)
M12	14683	31-8	1420	Wed	963 1 1595 103 84337 83242 53034 79677 90392 ... 49345 75495 50435 92853 29688 000 000	CW	(MPJ)
M12	13383	31-8	1440	Wed	963 1 1595 103 84337 83242 53034 79677 90392 ... 49345 75495 50435 92853 29688 000 000	CW	(MPJ)
M12	9176	31-8	1800	Wed	257 1 2191 145 36416 03259 10658 97340 29244 ... 75005 92965 83275 61269 31996 000 000	CW	(MPJ)
M12	7931	31-8	1820	Wed	257 1 2191 145 36416 03259 10658 97340 29244 ... 75005 92965 83275 61269 31996 000 000	CW	(MPJ)
M12	6904	31-8	1840	Wed	257 1 2191 145 36416 03259 10658 97340 29244 ... 75005 92965 83275 61269 31996 000 000	CW	(MPJ)
M12	8047	31-8	1900	Wed	463 1 9598 145 87024 80297 94071 37748 92355 ... 52799 94442 95700 73361 38542 000 000	CW	(MPJ)
M12	6802	31-8	1920	Wed	463 1 9598 145 87024 80297 94071 37748 92355 ... 52799 94442 95700 73361 38542 000 000	CW	(MPJ)
M12	5788	31-8	1940	Wed	463 1 9598 145 87024 80297 94071 37748 92355 ... 52799 94442 95700 73361 38542 000 000	CW	(MPJ)
M14	5825	2-8	1600	Tue	361 819 174 85831 86791 89909 57188 25606 ... 85750 16669 45287 79775 98788 819 174 00000	MCW	(MPJ)
M14	5413	3-8	1608	Wed	i.p. 91533 96781 89885 39315 2599. ... 85750 16669 45287 79775 98788 819 174 00000	MCW	(MPJ)
M14	7485	5-8	1700	Fri	382 382 382 00000	CW	(AB)
M14	6891	5-8	1800	Fri	382 382 382 00000	CW	(AB/MPJ)
M14	5240	7-8	2300	Sun	376 ...	CW	(AB)
M14	5825	8-8	0000	Mon	376 ...	CW	(AB)
M14	6856	9-8	1820	Tue	163 518 86 32498 53900 12865 21208 51810 ... 63490 82310 20943 57286 61220 518 86 00000	MCW	(MPJ)

M14	16347	10-8	0930	Wed	617 617 617 00000	CW	(AB/ES)
M14	5938	10-8	1920	Wed	417 518 86 32498 53900 12865 21208 51810 ... 63490 82310 20943 57286 61220 518 86 00000	MCW	(AB/MPJ)
M14	8162	14-8	0700	Sun	382 382 382 00000	CW	(AB)
M14	18041	15-8	0500	Mon	952 617 617 50 50 = = 37950 24824 30487 ... 41325 73423 88624 = = 617 617 50 50 0000	CW	(AB)
M14	5825	16-8	1600	Tue	361 819 174 85831 86791 89909 57188 25606 ... 85750 16669 45287 79775 98788 819 174 00000	MCW	(MPJ)
M14	5413	17-8	1600	Wed	361 819 174 83831 86791 89909 57188 25606 ... 85750 16669 45287 79775 98788 819 174 00000	MCW	(MPJ)
M14	6891	19-8	1800	Fri	382 382 382 00000	CW	(AB/MPJ)
M14	5430	20-8	0800	Sat	171 (R) 819 819 174 174 85831 85831 86791 86791 89909 89909 57188 57188 25606 25606 02500 02500 ...	CW	(AB)
M14	8162	21-8	0700	Sun	i.p. 25502 89492 02764 82468 43221 ...	CW	(AB)
M14	6856	23-8	1820	Tue	163 2 518 86 32498 53900 12865 21208 51810 ... 63490 82310 20943 57286 61220 518 86 00000 (wrong group count)	MCW	(MPJ)
M14	5938	24-8	1920	Wed	417 518 86 32498 53900 12865 21208 51810 ... 63490 82310 20943 57286 61220 518 86 00000	MCW	(MPJ)
M14	16347	25-8	0930	Thu	617 617 617 617 00000 (error, stopped after a few runs and restarted)	CW	(AB)
M14	5430	27-8	0800	Sat	171 171 171 171 171 171 171 00000 171 (R) faded to zero	CW	(AB)
M14	7590	28-8	0600	Sun	382 382 382 00000	CW	(AB)
M14	8162	28-8	0700	Sun	382 382 382 00000	CW	(AB)
M21	4969	6-8	1941	Sat	Russian Air Defense =992242??8????? =992243??8?????	CW	(WP3)
M21	5128	6-8	1945	Sat	Russian Air Defense =992245??8????? =992246??8?????	CW	(WP3)
M21	5221.5	6-8	1950	Sat	Russian Air Defense =992250??0????? =992251??0?????	CW	(WP3)
M21	3691	17-8	1823	Wed	=992122??0????? =992123??0?????	CW	(JPL-Sib)
M21	7249	18-8	0411	Thu	=9907110?????	CW	(AAI)
M21	3691	22-8	1645	Mon	=991952??0?????	CW	(JPL-Sib)
M22	4331	6-8	2032	Sat	VVV DE 4XZ 4XZ = AR AR	CW	(WP3)
M22	6607	25-8	1846	Thu	VVV DE 4XZ 4XZ =	CW	(AB)
M32	16223	15-8	0837	Mon	XXX WEGI WEGI 12400 USATYJ 1197 60IO9 K	CW	(AAI)
M32	16223	15-8	1021	Mon	XXX WEGI WEGI 37784 WOZLEVANXE 1752 7190 K	CW	(AAI)
M32	14842	15-8	1137	Mon	XXX WEGI WEGI 0D70 FAKSOPYL 703 OUTSUT K	CW	(AAI)
M32	14411	15-8	1145	Mon	XXX XXX WEGI WEGI 26860 01870 FAKSOPYL 4703 1272	CW	(JU)
M32	3848	22-8	1803	Mon	SRA1 SRA1 DE MIXF MIXF K. MIXF QSA 1 R K. 6SVA 6SVA 6SVA DE MIXF MIXF K. MIXF QSA 1 R K	CW	(JPL-Sib)
M32	7827	24-8	1016	Wed	XXX XXX HOI1 HOI1 52921 ChARFOTAV 4415 5000	CW	(JU)
M32	7827	24-8	1027	Wed	XXX XXX HOI1 HOI1 11703 ChIKOSRYW 2767 9977	CW	(JU)
M32a	16228	15-8	0806	Mon	XXX XXX LR43	CW	(AAI)
M32a	15586	15-8	0820	Mon	RCV: Russian Navy Sevastopol. Message to: RJV RJV 10462 BINTOTYL 264 5 0952 K	CW	(AAI)
M32a	3876	16-8	1814	Tue	RBGR 217 18 16 2100 217 = fm rbgr for rjd52 rjd88 = 16181 99425 10480 ...	CW	(WP3)
M32a	9487	23-8	0654	Tue	RGT49 RGT49 RGT49 DE RMW32 RMW32 ZSA? K	CW	(BvR)
M32a	8460	23-8	0742	Tue	RLD64 RLD64 RLD64 DE RMP RMP QTC 754 J S 23 1036 754 = 11111 97648 ...	CW	(BvR)
M32a	7965.5	24-8	0517	Wed	RMJ99 DE RMP QSU 1 QSX 4387 QWH 4042 K	CW	(BvR)
M32a	7965.5	24-8	0530	Wed	VVV RHC86 RHC86 RHC86 DE RMP RMP QSA? K	CW	(BvR)
M32b	8816	16-8	0904	Tue	rjc38 rjf94 de 30775 qay XLPB 0901 qbg 6400 k	CW	(WP3)
M42	16169	2-8	1159	Tue	Russian Diplo	CROWD-36	(AAI)
M42	16353	15-8	0945	Mon	Russian PtP net: UBI UBI UBI DE UCU UCU QSY 17420 QSY 17420	CW	(AAI_)
M42c	16023	1-8	0025	Mon	Russian diplo/intel. Link ID 00117, Date 1st, Serial #35, Groups 157	FSK 200/500	(Danix-CAN)
M42c	14373	1-8	0035	Mon	Russian diplo/intel. Link ID 00117, Date 1st, Serial #35, Groups 157	FSK 200/500	(Danix-CAN)
M42c	16023	1-8	0125	Mon	Russian diplo/intel. Link ID 00117, Date 1st, Serial #35, Groups 157	FSK 200/500	(Danix-CAN)
M42c	14373	1-8	0135	Mon	Russian diplo/intel. Link ID 00117, Date 1st, Serial #35, Groups 157	FSK 200/500	(Danix-CAN)
M42c	15854	2-8	1840	Tue	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix)
M42c	13543	2-8	1850	Tue	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix/M PJ)

M42c	11126	2-8	1900	Tue	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix)
M42c	15854	5-8	1840	Fri	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix/M PJ/HFD)
M42c	13543	5-8	1850	Fri	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix/M PJ/HFD)
M42c	11126	5-8	1900	Fri	Russian diplo/intel. 76428 51551 08726 ... 20891 33884 47060 00000	FSK 200/500	(AB/Danix/M PJ/HFD)
M42c	20823	5-8	2230	Fri	Russian diplo/intel. 11177 00116 29465 05036 01559	FSK 200/500	(Danix-USA)
M42c	18397	5-8	2240	Fri	Russian diplo/intel. 11177 00116 29465 05036 01559	FSK 200/500	(Danix-USA)
M42c	17482	6-8	1200	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	15967	6-8	1210	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13396	6-8	1220	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	15931	6-8	1810	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162 (incorrect shift)	FSK 200/250	(AB/Danix/HF D)
M42c	13452	6-8	1820	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HF D)
M42c	11093	6-8	1830	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HF D)
M42c	20823	12-8	2230	Fri	Russian Diplo/Intel. Link ID 00116, Date 12th, Serial #37, Groups 174 11177 00116 45912 12037 01749	FSK 200/500	(Danix-USA)
M42c	18397	12-8	2240	Fri	Russian Diplo/Intel. Link ID 00116, Date 12th, Serial #37, Groups 174 11177 00116 45912 12037 01749	FSK 200/500	(Danix-USA)
M42c	17482	13-8	1200	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	15967	13-8	1210	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	13396	13-8	1220	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	15931	13-8	1810	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/250	(AB/Danix)
M42c	13452	13-8	1820	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11093	13-8	1830	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	16023	15-8	0025	Mon	Link ID 00117, Date 15th, Serial #37, Groups 130 11177 00117 84125 15037 0130	FSK 200/500	(Danix)
M42c	14373	15-8	0035	Mon	Link ID 00117, Date 15th, Serial #37, Groups 130 11177 00117 84125 15037 0130	FSK 200/500	(Danix)
M42c	16023	15-8	0125	Mon	Link ID 00117, Date 15th, Serial #37, Groups 130 11177 00117 84125 15037 0130	FSK 200/500	(Danix)
M42c	14373	15-8	0135	Mon	Link ID 00117, Date 15th, Serial #37, Groups 130 11177 00117 84125 15037 0130	FSK 200/500	(Danix)
M42c	18397	19-8	2240	Fri	Russian diplo/intel. 11177 00116 78153 19038 01899	FSK 200/500	(Danix-USA)
M42c	17482	20-8	1200	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	15967	20-8	1210	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13396	20-8	1220	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	15931	20-8	1810	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/250	(AB/Danix)
M42c	13452	20-8	1820	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11093	20-8	1830	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	16023	22-8	0025	Mon	Link ID 00117, Date 22nd, Serial #38, Groups 165	FSK 200/500	(Danix)
M42c	14373	22-8	0035	Mon	Link ID 00117, Date 22nd, Serial #38, Groups 165	FSK 200/500	(Danix)
M42c	16023	22-8	0125	Mon	Link ID 00117, Date 22nd, Serial #38, Groups 165	FSK 200/500	(Danix)
M42c	14373	22-8	0135	Mon	Link ID 00117, Date 22nd, Serial #38, Groups 165	FSK 200/500	(Danix)
M42c	20823	26-8	2230	Fri	Link ID 00116, Date 26th, Serial #39, Groups 146	FSK 200/500	(Danix-USA)
M42c	18397	26-8	2240	Fri	Link ID 00116, Date 26th, Serial #39, Groups 146	FSK 200/500	(Danix-USA)

M42c	17482	27-8	1200	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	15967	27-8	1210	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	13396	27-8	1220	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	15931	27-8	1810	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/250	(AB/Danix/M PJ)
M42c	13452	27-8	1820	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	11093	27-8	1830	Sat	Russian diplo/intel. Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/M PJ)
M42c	14373	29-8	0141	Mon	Russian diplo/intel. 11177 00117 26874 29039 01479	FSK 200/500	(MCO)
M42d	10748	1-8	0400	Mon	Russian diplo/intel. Link ID 45079, Date 26th, Serial #15, Groups 224	FSK 200/1000	(Danix)
M42d	9139	1-8	0410	Mon	Russian diplo/intel. Link ID 45079, Date 26th, Serial #15, Groups 224	FSK 200/1000	(Danix)
M42d	7424	1-8	0420	Mon	Russian diplo/intel. Link ID 45079, Date 26th, Serial #15, Groups 224	FSK 200/1000	(Danix)
M42d	17431	2-8	1650	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15842	2-8	1700	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	13408	2-8	1710	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	12184	2-8	2300	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	10189	2-8	2310	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	8116	2-8	2320	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	15938	3-8	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	13554	3-8	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	11461	3-8	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	17455	3-8	1230	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	15923	3-8	1240	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/MPJ/Dani x)
M42d	13388	3-8	1250	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/MPJ?Dan ix)
M42d	13548	3-8	2100	Wed	Russian diplo/intel. Msg 037 on link 45079	FSK 200/1000	(Danix)
M42d	11516	3-8	2110	Wed	Russian diplo/intel. Msg 037 on link 45079	FSK 200/1000	(Danix)
M42d	8145	3-8	2120	Wed	Russian diplo/intel. Msg 037 on link 45079	FSK 200/1000	(AB/Danix)
M42d	15618	3-8	2200	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	13374	3-8	2210	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	11081	3-8	2220	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	14847	4-8	0610	Thu	Russian diplo/intel.	FSK 200/1000	(AB)
M42d	12223	4-8	0620	Thu	Russian diplo/intel.	FSK 200/1000	(AB)
M42d	13439	4-8	1330	Thu	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	11138	4-8	1340	Thu	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	9244	4-8	1350	Thu	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	13439	5-8	1330	Fri	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	11138	5-8	1340	Fri	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	9244	5-8	1350	Fri	Russian diplo/intel. Msg 055 on link 49237	FSK 200/1000	(AB/Danix)
M42d	16153	6-8	1100	Sat	Russian diplo/intel. Null msg on link 36882	FSK 200/1000	(AB)
M42d	14438	6-8	1110	Sat	Russian diplo/intel. Null msg on link 36882	FSK 200/1000	(AB)
M42d	12216	6-8	1120	Sat	Russian diplo/intel. Null msg on link 36882	FSK 200/1000	(AB)
M42d	16289	6-8	2100	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB)
M42d	14461	6-8	2110	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB)
M42d	12176	6-8	2120	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB)
M42d	17428	7-8	1530	Sun	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix)
M42d	15663	7-8	1540	Sun	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix)
M42d	13424	7-8	1550	Sun	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix)
M42d	17428	8-8	1530	Mon	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix)
M42d	15663	8-8	1540	Mon	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix)
M42d	13424	8-8	1550	Mon	Russian diplo/intel. Link ID 20501, Date 4th, Serial #57, Groups 128; Link ID 20501, Date 5th, Serial #58, Groups 119	FSK 200/1000	(AB/Danix/M PJ)

M42d	17431	9-8	1650	Tue	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix)
M42d	15842	9-8	1700	Tue	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix)
M42d	13408	9-8	1710	Tue	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix)
M42d	12184	9-8	2300	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	10189	9-8	2310	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	8116	9-8	2320	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	16346	10-8	0600	Wed	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB)
M42d	14847	10-8	0610	Wed	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB)
M42d	12223	10-8	0620	Wed	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB)
M42d	15938	10-8	0800	Wed	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(Danix)
M42d	16319	10-8	0800	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(Danix)
M42d	13554	10-8	0810	Wed	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(Danix)
M42d	14378	10-8	0810	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(Danix)
M42d	11461	10-8	0820	Wed	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(Danix)
M42d	11636	10-8	0820	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(Danix)
M42d	17434	10-8	0915	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	14369	10-8	0925	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	11163	10-8	0935	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	17431	10-8	1650	Wed	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix)
M42d	15842	10-8	1700	Wed	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix)
M42d	13408	10-8	1710	Wed	Russian diplo/intel. Link ID 20501, Date 4th, Serial #61, Groups 128; Link ID 20501, Date 5th, Serial #62, Groups 119	FSK 200/1000	(AB/Danix/M PJ)
M42d	16346	11-8	0600	Thu	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB/Danix)
M42d	14847	11-8	0610	Thu	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB/Danix)
M42d	12223	11-8	0620	Thu	Russian diplo/intel. Link ID 32817, Date 6th, Serial #78, Groups 231; Link ID 32817, Date 6th, Serial #79, Groups 318	FSK 200/1000	(AB/Danix)
M42d	15938	11-8	0800	Thu	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(AB/Danix)
M42d	16319	11-8	0800	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	13554	11-8	0810	Thu	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(AB/Danix)
M42d	14378	11-8	0810	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	11461	11-8	0820	Thu	Russian diplo/intel. Link ID 45075, Date 9th, Serial #9, Groups 227	FSK 200/1000	(AB/Danix)
M42d	11636	11-8	0820	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	13439	11-8	1330	Thu	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix)
M42d	11138	11-8	1340	Thu	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix)
M42d	9244	11-8	1350	Thu	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix)
M42d	13439	12-8	1330	Fri	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix)
M42d	11138	12-8	1340	Fri	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix/M PJ)
M42d	9244	12-8	1350	Fri	Russian diplo/intel. Link ID 49237, Date 5th, Serial #23, Groups 119	FSK 200/1000	(AB/Danix)

M42d	12223	13-8	0800	Sat	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	10186	13-8	0810	Sat	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	8094	13-8	0820	Sat	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	16186	13-8	0900	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	14571	13-8	0910	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	12195	13-8	0920	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	16153	13-8	1100	Sat	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/MPJ/Danix)
M42d	14438	13-8	1110	Sat	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/MPJ/Danix)
M42d	12216	13-8	1120	Sat	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/Danix)
M42d	16289	13-8	2100	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	14461	13-8	2110	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	12176	13-8	2120	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	12223	14-8	0800	Sun	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	10186	14-8	0810	Sun	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	8094	14-8	0820	Sun	Russian diplo/intel. Msg 092 on link 45115	FSK 200/1000	(AB/Danix)
M42d	16186	14-8	0900	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	14571	14-8	0910	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	12195	14-8	0920	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	16153	14-8	1100	Sun	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/Danix)
M42d	14438	14-8	1110	Sun	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/Danix)
M42d	12216	14-8	1120	Sun	Russian diplo/intel. Link ID 36882, Date 12th, Serial #59, Groups 53	FSK 200/1000	(AB/Danix)
M42d	17428	14-8	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15663	14-8	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	13424	14-8	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	10748	15-8	0400	Mon	Russian diplo/intel. Null msg on link 45079	FSK 200/1000	(AB/Danix)
M42d	9139	15-8	0410	Mon	Russian diplo/intel. Null msg on link 45079	FSK 200/1000	(AB/Danix)
M42d	7424	15-8	0420	Mon	Russian diplo/intel. Null msg on link 45079	FSK 200/1000	(AB/Danix)
M42d	17431	16-8	1650	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15842	16-8	1700	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/MPJ)
M42d	13408	16-8	1710	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	12184	16-8	2300	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	10189	16-8	2310	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	8116	16-8	2320	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	16346	17-8	0600	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	14847	17-8	0610	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	12223	17-8	0620	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	15938	17-8	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	13554	17-8	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	11461	17-8	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	17455	17-8	1230	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	15923	17-8	1240	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	13388	17-8	1250	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	15618	17-8	2200	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	13374	17-8	2210	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	11081	17-8	2220	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	13439	18-8	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	11138	18-8	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	9244	18-8	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	16153	20-8	1100	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/MPJ/Danix)
M42d	14438	20-8	1110	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/MPJ/Danix)
M42d	12216	20-8	1120	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	16289	20-8	2100	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	14461	20-8	2110	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	12176	20-8	2120	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	16153	21-8	1100	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	14438	21-8	1110	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	12216	21-8	1120	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)

M42d	17428	21-8	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	17428	21-8	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	15663	21-8	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	15663	21-8	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	13424	21-8	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	13424	21-8	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	16289	21-8	2100	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix/RL)
M42d	14461	21-8	2110	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix/RL)
M42d	12176	21-8	2120	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	17431	23-8	1650	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	15842	23-8	1700	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	13408	23-8	1710	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	12184	23-8	2300	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	10189	23-8	2310	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	8116	23-8	2320	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(AB/Danix)
M42d	16346	24-8	0600	Wed	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	14847	24-8	0610	Wed	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	12223	24-8	0620	Wed	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	15938	24-8	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	16319	24-8	0800	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	13554	24-8	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	14378	24-8	0810	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	11461	24-8	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	11636	24-8	0820	Wed	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	17434	24-8	0915	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	14369	24-8	0925	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	11163	24-8	0935	Wed	Russian diplo/intel. Null msg on link 20492	FSK 200/1000	(AB/Danix)
M42d	15618	24-8	2200	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	13374	24-8	2210	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	11081	24-8	2220	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	16346	25-8	0600	Thu	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	14847	25-8	0610	Thu	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	12223	25-8	0620	Thu	Russian diplo/intel. Link ID 32816, Date 20th, Serial #80, Groups 292	FSK 200/1000	(AB/Danix)
M42d	16319	25-8	0800	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	14378	25-8	0810	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	11636	25-8	0820	Thu	Russian diplo/intel. Link ID 16404, Date 8th, Serial #3, Groups 154	FSK 200/1000	(AB/Danix)
M42d	13439	25-8	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	11138	25-8	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	9244	25-8	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	12223	27-8	0800	Sat	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	10186	27-8	0810	Sat	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	8094	27-8	0820	Sat	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	16186	27-8	0900	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	14571	27-8	0910	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	12195	27-8	0920	Sat	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	16153	27-8	1100	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	14438	27-8	1110	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	12216	27-8	1120	Sat	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)

M42d	16289	27-8	2100	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	14461	27-8	2110	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix/RL)
M42d	12176	27-8	2120	Sat	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	12223	28-8	0800	Sun	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	10186	28-8	0810	Sun	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	8094	28-8	0820	Sun	Russian diplo/intel. Msg 095 on link 45115	FSK 200/1000	(AB/Danix)
M42d	16186	28-8	0900	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	14571	28-8	0910	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	12195	28-8	0920	Sun	Russian diplo/intel. Msg 215 on link 45057	FSK 200/1000	(AB/Danix)
M42d	16153	28-8	1100	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	14438	28-8	1110	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	12216	28-8	1120	Sun	Russian diplo/intel. Msg on link 36882	FSK 200/1000	(AB/Danix)
M42d	16289	28-8	2100	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	14461	28-8	2110	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	12176	28-8	2120	Sun	Russian diplo/intel. Msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	16023	29-8	0025	Mon	Russian diplo/intel. Link ID 00117, Date 29th, Serial #39, Groups 147	FSK 200/1000	(Danix)
M42d	14373	29-8	0035	Mon	Russian diplo/intel. Link ID 00117, Date 29th, Serial #39, Groups 147	FSK 200/1000	(Danix)
M42d	16023	29-8	0125	Mon	Russian diplo/intel. Link ID 00117, Date 29th, Serial #39, Groups 147	FSK 200/1000	(Danix)
M42d	14373	29-8	0135	Mon	Russian diplo/intel. Link ID 00117, Date 29th, Serial #39, Groups 147	FSK 200/1000	(Danix)
M42d	17431	30-8	1650	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15842	30-8	1700	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	13408	30-8	1710	Tue	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix/M PJ)
M42d	12184	30-8	2300	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(Danix)
M42d	10189	30-8	2310	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(Danix)
M42d	8116	30-8	2320	Tue	Russian diplo/intel. Null msg on link 40988	FSK 200/1000	(Danix)
M42d	16346	31-8	0600	Wed	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/1000	(AB/Danix)
M42d	14847	31-8	0610	Wed	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/1000	(AB/Danix)
M42d	12223	31-8	0620	Wed	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/1000	(AB/Danix)
M42d	15938	31-8	0800	Wed	Russian diplo/intel. Msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	13554	31-8	0810	Wed	Russian diplo/intel. Msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	11461	31-8	0820	Wed	Russian diplo/intel. Msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	15618	31-8	2200	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(Danix)
M42d	13374	31-8	2210	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(Danix)
M42d	11081	31-8	2220	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(Danix)
M51a	3881	6-8	2045	Sat	CQ DE FAV22	CW	(WP3)
M51a	6825	9-8	1817	Tue	FAV22: French Morse Practice. Mixed 5LGs/5FGs/punct.	CW	(MPJ)
M51a	6825	11-8	1827	Thu	FAV22: Mixed 5LGs/FGs/Punct.	CW	(MPJ)
M51a	6825	24-8	0640	Wed	Frech morse training net 5lgs and 5fgs	CW	(BvR)
M89	7602	6-8	1517	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	10180	7-8	1318	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6636	7-8	1326	Sun	i.p. DP91 DP91 DP921 DP91	CW	(JPL)
M89	6639	7-8	1420	Sun	i.p. QSA 1 U QSY 28 K. VV X2AS DE ABV4 K	CW	(JPL)
M89	3642	7-8	1958	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6741	8-8	1335	Mon	i.p. VVV HR 7G GA = 6N5D 3TA7 U46N = III = 7UND 3 6A4T 57NU 3D6A T46A ...	CW	(JPL)
M89	3642	8-8	1539	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	8-8	2134	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6840	9-8	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	9-8	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	9-8	1025	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5588	9-8	1030	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5555	9-8	1032	Tue	i.p. MSG NR 01 CK 35 65 0809 1215 RMKS 8718 TO 5473 K	CW	(JPL)
M89	6840	9-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	9-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3330	9-8	1439	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	7602	9-8	1440	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6636	9-8	1547	Tue	i.p. R QSL 2249 HR MS H MSG CY OK GA	CW	(JPL)

M89	3330	9-8	1908	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	7602	9-8	1909	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4860	9-8	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	9-8	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	7602	9-8	2208	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6636	10-8	1403	Wed	i.p. V DP7091 DP91 CL K. RPT NR VVV DP7091 DP7091 DE DP91 C5	CW	(JPL)
M89	3330	10-8	2104	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	10-8	2105	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5801	11-8	0956	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5801	11-8	1209	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	7602	11-8	1515	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	7602	11-8	2042	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4131	11-8	2044	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	12-8	1101	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	13-8	2017	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	7602	13-8	2019	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4860	13-8	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	13-8	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	13-8	2030	Sat	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	4720	13-8	2230	Sat	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	5588	14-8	0947	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	8888	14-8	0947	Sun	i.p. UUUU DNTU 465D 5456 3UNA 3D55 753U 6A6N	CW	(JPL)
M89	10180	14-8	0952	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	14-8	1548	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	14-8	1840	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	14-8	1843	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3830	14-8	1847	Sun	i.p. N3N5 AD3A 5T7U UNU3 III III = 65.7 (Cont'd)	CW	(JPL)
M89	4131	14-8	1906	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5555	15-8	0805	Mon	i.p. VVV MSG NR 1428 CK 09 26 0C (see N&O 227)	CW	(JPL)
M89	6840	15-8	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	15-8	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	15-8	1125	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	15-8	1627	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3777	15-8	1629	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-8	1629	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	15-8	1630	Mon	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	5555	15-8	1633	Mon	i.p. R HR U AGN HR MSG GA K (see N&O 227)	CW	(JPL)
M89	4860	15-8	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	15-8	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	15-8	1730	Mon	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3642	15-8	1734	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	15-8	1736	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-8	1736	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3330	15-8	2000	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	15-8	2001	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	15-8	2002	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-8	2002	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5555	15-8	2257	Mon	i.p. NDN6 4TU4 4ND4 TA6A TTAU 7AUT T764 AR	CW	(JPL)
M89	5588	16-8	1025	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6793	16-8	1028	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3777	16-8	1108	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	16-8	1108	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5555	16-8	1111	Tue	i.p. N7U7 N754 U6AA 3U7D 3UDT AR K	CW	(JPL)
M89	3642	16-8	1542	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	16-8	1844	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	17-8	1827	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3777	18-8	1238	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3750	18-8	1239	Thu	i.p. N7UU TU3D 3TDU ... AR K	CW	(JPL)
M89	3642	18-8	1800	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	18-8	1803	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4131	18-8	1810	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3642	18-8	2233	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	19-8	1111	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-8	1111	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3330	19-8	1114	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)

M89	3330	19-8	1554	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	19-8	1555	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	19-8	1555	Fri	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	3777	19-8	1556	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-8	1556	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	19-8	1630	Fri	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	4860	19-8	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	19-8	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3330	19-8	1825	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	19-8	1826	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	19-8	1826	Fri	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	3777	19-8	1828	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-8	1828	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	19-8	1830	Fri	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3330	19-8	2217	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	19-8	2218	Fri	V DKG6 (x3) DE 3A7D (x2) //N/H	CW	(JPL)
M89	4532	19-8	2219	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4860	19-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	19-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	19-8	2230	Fri	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3777	20-8	1447	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	10180	20-8	1451	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	20-8	1906	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3777	20-8	1908	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	20-8	1908	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	20-8	1912	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4860	20-8	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	20-8	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	20-8	1930	Sat	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	6793	20-8	2311	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	20-8	2311	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	20-8	2320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	6825	21-8	1000	Sun	DP91 (x3) DE CQ (x2) V HR NIL SK GB (x2)	CW	(JPL)
M89	6793	21-8	1014	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	21-8	1014	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5588	21-8	1015	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	21-8	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	21-8	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	21-8	1022	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	21-8	1105	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4532	21-8	1110	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	6793	21-8	1110	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	6840	21-8	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	21-8	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5588	21-8	2343	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10180	22-8	0808	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	22-8	1613	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3800	22-8	1615	Mon	i.p. NR 90 ...99 51 0823 0000 K	CW	(JPL)
M89	3330	22-8	1751	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	22-8	1752	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4532	22-8	1754	Mon	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	10180	23-8	1111	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	23-8	1744	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	23-8	1747	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	23-8	1747	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	23-8	1749	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	23-8	1749	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	24-8	0120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	3330	24-8	1507	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3777	24-8	1509	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	24-8	1509	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3777	26-8	1655	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3330	26-8	1700	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	27-8	1657	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	27-8	1657	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3330	28-8	1752	Sun	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)

M89	3642	28-8	1753	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	28-8	1753	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	28-8	1754	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	28-8	1754	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	29-8	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	29-8	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3330	29-8	1704	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	29-8	1706	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	29-8	1706	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	29-8	1707	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	29-8	1707	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	29-8	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	29-8	1720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	5588	29-8	2311	Mon	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	29-8	2320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	29-8	2320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3330	30-8	1740	Tue	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	30-8	1741	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	30-8	1742	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	30-8	1742	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3330	30-8	2017	Tue	i.p. 3DA4 UTDU ND7T III TDT4 U.DU NTN3 465U ...	CW	(JPL)
M89	3642	30-8	2028	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	30-8	2029	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	30-8	2029	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	30-8	2030	Tue	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	6845	31-8	1003	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
M89	6840	31-8	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	31-8	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5588	31-8	1026	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6793	31-8	1027	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	31-8	1027	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10180	31-8	1117	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	31-8	1118	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6793	31-8	1119	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	31-8	1119	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	31-8	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	31-8	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3330	31-8	1852	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	31-8	1853	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	31-8	1854	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	31-8	1854	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4131	31-8	1858	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3330	31-8	2131	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	31-8	2132	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	31-8	2133	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	31-8	2133	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M95	8073	9-8	1136	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0640 CK 40 35 0809 1518 = TTD N5U TTN N53 TAD N54 ...	CW	(JPL-HK)
M95	4243	9-8	1147	Tue	V HR MSG TOYR PSE CY NR 18 CK 091 35 0809 1550 = TUT TN3 U63 A4T TU 773 353 U4T ... AR //9054 kHz	CW	(JPL-HK)
M95	9054	9-8	1147	Tue	V HR MSG TOYR PSE CY NR 18 CK 091 35 0809 1550 = TUT TN3 U63 A4T TU 773 353 U4T ... AR //4243 kHz	CW	(JPL-HK)
M95	9054	11-8	1210	Thu	i.p. AR MSG AGN NR 032 CK 15 35 0811 1638 = .T5 TAA 3U6 3A5 TTA TTU TT3 7.3 356 4AD	CW	(JPL-HK)
M95	4283	15-8	0916	Mon	i.p 446 46. 4D6 3DU AGN 70002 CK 81 35 0815 0607 .33 UT3 TA5 ..6 3A4 (Cont'd) //7553 kHz	CW	(JPL-HK)
M95	7553	15-8	0916	Mon	i.p 446 46. 4D6 3DU AGN 70002 CK 81 35 0815 0607 .33 UT3 TA5 ..6 3A4 (Cont'd) //4283 kHz	CW	(JPL-HK)
M95	9054	15-8	2347	Mon	V HR MSG TOYR PSE CY NR 045 CK 15 35 0816 055. .A6 3U4 3A4 TAA TTU TT3 773 ...	CW	(HPL-HK)
M95	5555	19-8	1116	Fri	i.p. MSG NR 01/CCK CK 45 11 081. 1400 RMKS CQ	CW	(JPL-HK)
M95	8073	19-8	1139	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR 0696 CK 172 35 0819 1514 = TAN 3U6 3AN 3U7 TAU 773 TA7 ...	CW	(JPL-HK)
M95	4243	19-8	1151	Fri	VVV HR MSG TOYR PSE CY NR 057 CK 28 35 0819 1510 = 5TD UTT TAN 3U6 7TA N44 3A4 354 365 4T7 ... //9054 kHz	CW	(JPL-HK)

M95	9054	19-8	1151	Fri	VVV HR MSG TOYR PSE CY NR 057 CK 28 35 0819 1510 = 5TD UTT TAN 3U6 7TA N44 3A4 354 365 4T7 ... //4243 kHz	CW	(JPL-HK)
M95	5555	19-8	1227	Fri	i.p. 055 055 055 055 03 = NA05NA NR 1029 7G6567UDA4 4657 T ...	CW	(JPL-HK)
M95	5555	19-8	1737	Fri	i.p. NA43 .4TA 5U3A 35DT DNT3 A4T6 III III 46A7 T3D5 7AT4 5DA6 U63D ...	CW	(JPL-HK)
M95	8073	21-8	1136	Sun	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0702 CK 128 35 0821 1523 =	CW	(JPL-HK)
M95	7582	29-8	0803	Mon	05 05 = NNNT U46N 7DDT 5..6U 47A KOOT..00000 .D 5085 .. BT CC U46N 7DDT VVV	CW	(JPL-HK)
M95	5555	31-8	1123	Wed	i.p. 7NT6 747D 3U36 ND3A ... AR K K AR K	CW	(JPL-HK)
M95	8073	31-8	1140	Wed	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0722 CK 267 35 0831 1531 = T3A 3U6 3AN 3U7 TAU 773 TA7 ...	CW	(JPL-HK)
M95	4243	31-8	1151	Wed	V HW MSG TOYR PSE CY NR 62 CK 187 35 0831 1458 = UTU T3A 3U6 3A4 7TU 7TA NU6 736 ... //9054 kHz	CW	(JPL-HK)
M95	9054	31-8	1151	Wed	V HW MSG TOYR PSE CY NR 62 CK 187 35 0831 1458 = UTU T3A 3U6 3A4 7TU 7TA NU6 736 ... //4243 kHz	CW	(JPL-HK)
MX	13527.9	2-8	1259	Tue	Beacon S, Severomorsk	CW	(AAI)
MX	4150	9-8	1800	Tue	Beacon V, Khiva	CW	(DK8OK)
MX	7737	10-8	0200	Wed	Beacon V, Khiva	CW	(DK8OK)
MX	7027.5	19-8	1749	Fri	Beacon V	CW	(AB)
MX	10871.7	22-8	0529	Mon	Beacon D, Sevastopol	CW	(BvR)
MX	10871.9	22-8	0529	Mon	Beacon S, Sevomorsk	CW	(BvR)
MX	10872	22-8	0529	Mon	Beacon C, Moscow	CW	(BvR)
MX	13527.7	22-8	1232	Mon	Beacon D	CW	(AB)
MX	13527.8	22-8	1232	Mon	Beacon S	CW	(AB)
MX	13528	22-8	1232	Mon	Beacon C	CW	(AB)
MX	13528.2	22-8	1232	Mon	Beacon F	CW	(AB)
MX	13528.4	22-8	1232	Mon	Beacon M	CW	(AB)
Q26	8073	9-8	1131	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	9-8	1145	Tue	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	9-8	1145	Tue	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	15-8	2343	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	19-8	1132	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	19-8	1145	Fri	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	19-8	1145	Fri	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	21-8	1132	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	31-8	1133	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	31-8	1147	Wed	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	31-8	1147	Wed	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
S06	13875	4-8	0930	Thu	842 510 47 88077 ...	USB	(AB)
S06	15721	5-8	0400	Fri	480 with serious audio problems	USB	(MT)
S06	10204	5-8	1900	Fri	761 502 39 44317 96204 21487 ... 68204 70591 98220 502 39 00000	USB	(AB/Danix/HF D)
S06	8058	5-8	2000	Fri	761 502 39 44317 96204 21487 ... 68204 70591 98220 502 39 00000	USB	(AB/Danix/HF D)
S06	6885	6-8	1900	Sat	614 614 641 00000	USB	(AB)
S06	10204	6-8	1900	Sat	761 502 39 44317 96204 21487 ... 68204 70591 98220 502 39 00000	USB	(AB)
S06	8058	6-8	2000	Sat	761 502 39 44317 96204 21487 ... 68204 70591 98220 502 39 00000	USB	(AB)
S06	16327	12-8	0830	Fri	842 367 48 38788 ...	USB	(HFD)
S06	13875	12-8	0930	Fri	842 367 48 38788 ...	USB	(HFD)
S06	15721	15-8	0400	Mon	480 173 60 13330 96525 52375 ... 44805 01489 21015 173 60 00000	USB	(AB)

S06	10204	19-8	1900	Fri	761 761 761 00000	USB	(AB)
S06	8058	19-8	2000	Fri	761 761 761 00000	USB	(AB/MPJ)
S06	6875	20-8	1900	Sat	714 714 714 00000	USB	(AB)
S06	5935	20-8	2000	Sat	714 714 714 00000	USB	(AB)
S06	16327	25-8	0830	Thu	842 769 50 63676 86506 56660 ... 91124 18107 35352 769 50 00000	USB	(AB)
S06	13875	25-8	0930	Thu	842 769 50 63676 86506 56660 ... 91124 18107 35352 769 50 00000	USB	(AB)
S06a	15945	9-8	0600	Tue	438 ...	USB	(AB)
S06c	8171	10-8	1005	Wed	11625	USB	(qsr711)
S06c	7823	10-8	1015	Wed	11625	USB	(qsr711)
S06s	8221	1-8	0830	Mon	371 958 6 88620 58069 61732 74537 57440 10597 958 6 00000	USB	(AB)
S06s	9353	1-8	0840	Mon	371 958 6 88620 58069 61732 74537 57440 10597 958 6 00000	USB	(AB)
S06s	16380	1-8	0900	Mon	872 946 5 39534 17228 15636 47891 23247 946 5 00000	USB	(AB)
S06s	14835	1-8	0910	Mon	872 946 5 39534 17228 15636 47891 23247 946 5 00000	USB	(AB)
S06s	10230	1-8	1200	Mon	831 279 5 79211 79352 54949 12906 16186 279 5 00000	USB	(AB)
S06s	12165	1-8	1210	Mon	831 279 5 79211 79352 54949 12906 16186 279 5 00000	USB	(AB)
S06s	5430	2-8	0700	Tue	374 809 5 75193 04845 34895 73904 57934 809 5 00000	USB	(qsr711)
S06s	6780	2-8	0715	Tue	374 809 5 75193 04845 34895 73904 57934 809 5 00000	USB	(qsr711)
S06s	6780	2-8	0715	Tue	374 809 5 75193 04845 34895 73904 57934 00000	USB	(Edd-HOL)
S06s	7365	2-8	0730	Tue	427 801 5 59105 10959 41305 70193 48579 801 5 00000	USB	(AB/qsr711)
S06s	11655	2-8	0740	Tue	427 801 5 59105 10959 41305 70193 48579 801 5 00000	USB	(AB/qsr711)
S06s	14373	2-8	0800	Tue	352 901 6 34895 78914 75017 50195 73904 57905 901 6 00000	USB	(AB/qsr711)
S06s	12935	2-8	0810	Tue	352 901 6 34895 78914 75017 50195 73904 57905 901 6 00000	USB	(AB/qsr711)
S06s	11565	3-8	0530	Wed	464 810 5 61509 71908 57190 87593 48475 810 5 00000	USB	(AB/Edd-HOL)
S06s	12560	3-8	0540	Wed	464 810 5 61509 71908 57190 87593 48475 810 5 00000	USB	(AB/Edd-HOL)
S06s	12110	3-8	0730	Wed	745 891 6 74310 09581 34905 70918 75908 71841 891 6 00000	AM	(AB/qsr711)
S06s	14977	3-8	0740	Wed	745 891 6 74310 09581 34905 70918 75908 71841 891 6 00000	AM	(AB/qsr711)
S06s	9485	3-8	0820	Wed	471 236 5 47728 61515 75468 97675 46217 236 5 00000	USB	(AB/Edd-HOL/qsr711)
S06s	11085	3-8	0830	Wed	471 236 5 47728 61515 75468 97675 46217 236 5 00000	USB	(AB/Edd-HOL/qsr711)
S06s	14580	3-8	1000	Wed	729 830 5 94584 89315 90718 99057 84585 830 5 00000	AM	(AB/Edd-HOL)
S06s	16020	3-8	1010	Wed	729 830 5 94584 89315 90718 99057 84585 830 5 00000	AM	(AB/Edd-HOL)
S06s	6844	4-8	0900	Thu	624 837 5 03514 62832 63418 04628 74512 00000	USB	(Edd-POL)
S06s	6844	4-8	0900	Thu	624 837 5 03514 62832 63418 04625 74512 837 5 00000	USB	(AB)
S06s	7161	4-8	0910	Thu	624 837 5 03514 62832 63418 04625 74512 837 5 00000	USB	(AB)
S06s	9255	4-8	0930	Thu	314 297 5 75192 04875 34895 73904 57934 297 5 00000	USB	(AB)
S06s	10325	4-8	0940	Thu	314 297 5 75192 04875 34895 73904 57934 297 5 00000	USB	(AB/Edd-HOL)
S06s	13145	4-8	1200	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	AM	(AB/Edd-HOL)
S06s	14535	4-8	1210	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	AM	(AB)
S06s	13145	4-8	1400	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	USB	(qsr711)
S06s	14535	4-8	1410	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	USB	(qsr711)
S06s	12460	6-8	0800	Sat	254 801 6 34895 78914 75017 50195 73904 57905 801 6 00000	USB	(AB/Edd-HOL)
S06s	10250	6-8	0810	Sat	254 801 6 34895 78914 75017 50195 73904 57905 801 6 00000	USB	(AB/Edd-HOL)
S06s	8221	8-8	0830	Mon	371 958 6 88620 58069 61732 74537 57440 10597 958 6 00000	USB	(AB)
S06s	9353	8-8	0840	Mon	371 958 6 88620 58069 61732 74537 57440 10597 958 6 00000	USB	(AB)
S06s	16380	8-8	0900	Mon	872 946 5 39534 17228 15636 47891 23247 946 5 00000	USB	(AB/qsr711)
S06s	14835	8-8	0910	Mon	872 946 5 39534 17228 15636 47891 23247 946 5 00000	USB	(AB/qsr711)
S06s	10230	8-8	1200	Mon	831 279 5 79211 79352 54949 12906 16186 279 5 00000	USB	(AB)
S06s	12165	8-8	1210	Mon	831 279 5 79211 79352 54949 12906 16186 279 5 00000	USB	(AB)
S06s	5430	9-8	0700	Tue	374 809 5 75193 04845 34895 73904 57934 809 5 00000	USB	(AB)

S06s	6780	9-8	0715	Tue	374 809 5 75193 04845 34895 73904 57934 809 5 00000	USB	(AB/Edd-HOL)
S06s	7365	9-8	0730	Tue	427 801 5 59105 10959 41305 70193 48579 801 5 00000	USB	(AB/Edd-HOL)
S06s	14373	9-8	0730	Tue	352 901 6 34895 78914 75017 50195 73904 57905 00000	USB	(Edd-HOL)
S06s	11655	9-8	0740	Tue	427 801 5 59105 10959 41305 70193 48579 801 5 00000	USB	(AB)
S06s	14373	9-8	0800	Tue	352 901 6 34895 78914 75017 50195 73904 57905 901 6 00000	USB	(AB)
S06s	12935	9-8	0810	Tue	352 901 6 34895 78914 75017 50195 73904 57905 901 6 00000	USB	(AB)
S06s	5660	9-8	1010	Tue	893 261 5 87509 34785 89473 50197 59384 00000	USB	(Edd-POL)
S06s	6810	9-8	1100	Tue	754 218 6 27459 78209 09287 27589 07349 52819 218 6 00000	USB	(AB/Edd-HOL)
S06s	7560	9-8	1110	Tue	754 218 6 27459 78209 09287 27589 07349 52819 218 6 00000	USB	(AB)
S06s	6766	9-8	1500	Tue	537 219 6 09269 99206 78926 97869 77195 98595 219 6 00000	USB	(AB)
S06s	7744	9-8	1510	Tue	537 219 6 09269 99206 78926 97869 77195 98595 219 6 00000	USB	(AB)
S06s	11565	10-8	0530	Wed	464 810 5 61509 71908 57190 87593 48475 810 5 00000	USB	(AB/ES-POL)
S06s	12560	10-8	0540	Wed	464 810 5 61509 71908 57190 87593 48475 810 5 00000	USB	(AB)
S06s	12110	10-8	0730	Wed	745 891 6 74310 09581 34905 70918 75908 71841 891 6 00000	AM	(AB/ES-POL)
S06s	14977	10-8	0740	Wed	745 891 6 74310 09581 34905 70918 75908 71841 891 6 00000	AM	(AB)
S06s	9485	10-8	0820	Wed	471 236 5 47728 61515 75468 97675 46217 236 5 00000	USB	(AB/ES-POL)
S06s	11085	10-8	0830	Wed	471 236 5 47728 61515 75468 97675 46217 236 5 00000	USB	(AB)
S06s	14580	10-8	1000	Wed	729 830 5 94584 89315 90718 99057 84585 830 5 00000	AM	(AB/ES-POL)
S06s	16020	10-8	1010	Wed	729 830 5 94584 89315 90718 99057 84585 830 5 00000	AM	(AB)
S06s	6844	11-8	0900	Thu	624 837 5 03514 62832 63418 04625 74512 837 5 00000	USB	(AB)
S06s	7161	11-8	0910	Thu	624 837 5 03514 62832 63418 04625 74512 837 5 00000	USB	(AB/ES)
S06s	9255	11-8	0930	Thu	314 297 5 75192 04875 34895 73904 57934 297 5 00000	USB	(AB/ES)
S06s	10325	11-8	0940	Thu	314 297 5 75192 04875 34895 73904 57934 297 5 00000	USB	(AB)
S06s	13145	11-8	1200	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	AM	(AB/ES)
S06s	14535	11-8	1210	Thu	425 817 6 34895 78914 75017 50195 73904 57905 817 6 00000	AM	(AB)
S06s	10290	12-8	0930	Fri	516 892 7 11171 64385 82707 06123 22536 88280 84116 892 7 00000	USB	(AB/ES)
S06s	9655	12-8	0940	Fri	516 892 7 11171 64385 82707 06123 22536 88280 84116 892 7 00000	USB	(AB)
S06s	16320	14-8	0630	Sun	524 861 7 50195 73904 57905 34859 03485 79024 87594 861 7 00000	USB	(AB)
S06s	14875	14-8	0640	Sun	524 861 7 50195 73904 57905 34859 03485 79024 87594 861 7 00000	USB	(AB)
S06s	8221	15-8	0830	Mon	371 240 5 73912 35109 38143 46173 31090 240 5 00000	USB	(AB)
S06s	9353	15-8	0840	Mon	371 240 5 73912 35109 38143 46173 31090 240 5 00000	USB	(AB)
S06s	10230	15-8	1200	Mon	831 276 5 23718 93427 03512 73549 53891 276 5 00000	USB	(AB)
S06s	12165	15-8	1210	Mon	831 276 5 23718 93427 03512 73549 53891 276 5 00000	USB	(AB)
S06s	15945	16-8	0600	Tue	438 907 5 73912 21983 25163 93027 66381 907 5 00000	USB	(AB/Es)
S06s	16945	16-8	0610	Tue	438 907 5 73912 21983 25163 93027 66381 907 5 00000	USB	(AB)
S06s	5430	16-8	0700	Tue	374 502 6 54999 88233 40232 53443 49053 44259 502 6 00000	USB	(AB)
S06s	6780	16-8	0715	Tue	374 502 6 54999 88233 40232 53443 49053 44259 502 6 00000	USB	(AB/Es)
S06s	7365	16-8	0730	Tue	427 869 5 86138 47635 49920 93416 13506 869 5 00000	USB	(AB)
S06s	11655	16-8	0740	Tue	427 869 5 86138 47635 49920 93416 13506 869 5 00000	USB	(AB/ES)
S06s	14373	16-8	0800	Tue	352 416 7 93898 97362 87782 40940 11355 54522 54715 416 7 00000	USB	(AB/ES)
S06s	12935	16-8	0810	Tue	352 416 7 93898 97362 87782 40940 11355 54522 54715 416 7 00000	USB	(AB)
S06s	5660	16-8	1010	Tue	893 275 6 52401 62919 92699 14600 74248 48754 275 6 00000	USB	(ES)
S06s	7560	16-8	1110	Tue	754 901 6 88620 58069 61732 74537 57440 10597 901 6 00000	USB	(ES)
S06s	6766	16-8	1500	Tue	537 890 6 96320 36792 53038 76342 15009 34140 890 6 00000	USB	(ES)

S06s	7744	16-8	1510	Tue	537 890 6 96320 36792 53038 76342 15009 34140 890 6 00000	USB	(ES)
S06s	12110	17-8	0730	Wed	745 819 6 32553 53202 31373 30131 35369 81456 891 6 00000	AM	(AB/ES)
S06s	14977	17-8	0740	Wed	745 819 6 32553 53202 31373 30131 35369 81456 891 6 00000	AM	(AB)
S06s	9485	17-8	0820	Wed	471 263 5 32939 43631 32939 31096 35264 263 5 00000	USB	(AB/ES)
S06s	11085	17-8	0830	Wed	471 263 5 32939 43631 32939 31096 35264 263 5 00000	USB	(AB)
S06s	14580	17-8	1000	Wed	729 803 5 31808 36823 32879 35438 48641 803 5 00000	USB	(AB/ES)
S06s	16020	17-8	1010	Wed	729 803 5 31808 36823 32879 35438 48641 803 5 00000	USB	(AB)
S06s	6844	18-8	0900	Thu	624 907 5 46062 68672 97478 39685 30485 907 5 00000	USB	(AB)
S06s	7161	18-8	0910	Thu	624 907 5 46062 68672 97478 39685 30485 907 5 00000	USB	(AB)
S06s	9255	18-8	0930	Thu	314 958 6 42216 34041 49433 43195 57998 89796 958 6 00000	USB	(AB)
S06s	10325	18-8	0940	Thu	314 958 6 42216 34041 49433 43195 57998 89796 958 6 00000	USB	(AB)
S06s	13145	18-8	1200	Thu	425 907 6 47183 89128 59662 97572 41530 48543 907 6 00000	AM	(AB)
S06s	14535	18-8	1210	Thu	425 907 6 47183 89128 59662 97572 41530 48543 907 6 00000	AM	(AB)
S06s	10290	19-8	0930	Fri	516 892 7 11171 64385 82707 06123 22536 88280 84116 892 7 00000	USB	(AB)
S06s	9655	19-8	0940	Fri	516 892 7 11171 64385 82707 06123 22536 88280 84116 892 7 00000	USB	(AB)
S06s	16320	21-8	0630	Sun	524 890 6 20534 11160 43494 37638 16070 53735 890 6 00000	USB	(AB)
S06s	14875	21-8	0640	Sun	524 890 6 20534 11160 43494 37638 16070 53735 890 6 00000	USB	(AB)
S06s	8221	22-8	0830	Mon	371 240 5 73912 35109 38143 46173 31090 240 5 00000	USB	(AB)
S06s	9353	22-8	0840	Mon	371 240 5 73912 35109 38143 46173 31090 240 5 00000	USB	(AB)
S06s	16380	22-8	0900	Mon	872 460 5 74528 92315 62830 53975 17295 460 5 00000	USB	(AB)
S06s	14835	22-8	0910	Mon	872 460 5 74528 92315 62830 53975 17295 460 5 00000	USB	(AB)
S06s	10230	22-8	1200	Mon	831 276 5 23718 93427 03512 73549 53891 276 5 00000	USB	(AB)
S06s	12165	22-8	1210	Mon	831 276 5 23718 93427 03512 73549 53891 276 5 00000	USB	(AB)
S06s	5430	23-8	0700	Tue	374 502 6 54999 88233 40232 53443 49053 44259 502 6 00000	USB	(AB)
S06s	6780	23-8	0715	Tue	374 502 6 54999 88233 40232 53443 49053 44259 502 6 00000	USB	(AB/BvR)
S06s	7365	23-8	0730	Tue	427 869 5 86138 47635 49920 93416 13506 869 5 00000	USB	(AB)
S06s	11655	23-8	0740	Tue	427 869 5 86138 47635 49920 93416 13506 869 5 00000	USB	(AB)
S06s	14373	23-8	0800	Tue	352 416 7 93898 97362 87782 40940 11355 54522 54715 416 7 00000	USB	(AB)
S06s	12935	23-8	0810	Tue	352 416 7 93898 97362 87782 40940 11355 54522 54715 416 7 00000	USB	(AB)
S06s	6766	23-8	1500	Tue	537 890 6 96320 36792 53038 76342 15009 34140 890 6 00000	USB	(ES)
S06s	7744	23-8	1510	Tue	537 890 6 96320 36792 53038 76342 15009 34140 890 6 00000	USB	(ES)
S06s	11565	24-8	0530	Wed	464 910 5 46062 68672 97478 39685 30485 910 5 00000	USB	(AB)
S06s	12560	24-8	0540	Wed	464 910 5 46062 68672 97478 39685 30485 910 5 00000	USB	(AB)
S06s	12110	24-8	0730	Wed	745 819 6 32553 53202 31373 30131 35369 81456 891 6 00000	AM	(AB)
S06s	14977	24-8	0740	Wed	745 819 6 32553 53202 31373 30131 35369 81456 891 6 00000	AM	(AB)
S06s	9485	24-8	0820	Wed	471 263 5 32939 43631 32939 31096 35264 263 5 00000	USB	(AB)
S06s	11085	24-8	0830	Wed	471 263 5 32939 43631 32939 31096 35264 263 5 00000	USB	(AB)
S06s	14580	24-8	1000	Wed	729 803 5 31808 36823 32879 35438 48641 803 5 00000	AM	(AB)
S06s	16020	24-8	1010	Wed	729 803 5 31808 36823 32879 35438 48641 803 5 00000	AM	(AB)
S06s	6844	25-8	0900	Thu	624 907 5 46062 68672 97478 39685 30485 907 5 00000	USB	(AB)
S06s	7161	25-8	0910	Thu	624 907 5 46062 68672 97478 39685 30485 907 5 00000	USB	(AB)
S06s	9255	25-8	0930	Thu	314 958 6 42216 34041 49433 43195 57998 89796 958 6 00000	USB	(AB)
S06s	10325	25-8	0940	Thu	314 958 6 42216 34041 49433 43195 57998 89796 958 6 00000	USB	(AB)
S06s	13145	25-8	1200	Thu	425 907 6 47183 89128 59662 97572 41530 48543 907 6 00000	AM	(AB)

S06s	14535	25-8	1210	Thu	425 907 6 47183 89128 59662 97572 41530 48543 907 6 00000	AM	(AB)
S06s	10290	26-8	0930	Fri	516 516 516 00000	USB	(AB)
S06s	9655	26-8	0940	Fri	516 516 516 00000	USB	(AB)
S06s	16320	28-8	0630	Sun	524 890 6 20534 11160 43494 37638 16070 53735 890 6 00000	AM	(AB)
S06s	14875	28-8	0640	Sun	524 890 6 20534 11160 43494 37638 16070 53735 890 6 00000	AM	(AB)
S06s	8221	29-8	0830	Mon	371 371 371 00000	USB	(AB)
S06s	9353	29-8	0840	Mon	371 371 371 00000	USB	(AB)
S06s	16380	29-8	0900	Mon	872 872 872 00000	USB	(AB)
S06s	14835	29-8	0910	Mon	872 872 872 00000	USB	(AB)
S06s	10230	29-8	1200	Mon	831 831 831 00000	USB	(AB)
S06s	12165	29-8	1210	Mon	831 831 831 00000	USB	(AB)
S06s	5430	30-8	0700	Tue	374 374 374 00000	USB	(AB)
S06s	6780	30-8	0715	Tue	374 374 374 00000	USB	(AB)
S06s	14373	30-8	0800	Tue	352 352 352 00000	USB	(AB)
S06s	12935	30-8	0810	Tue	352 352 352 00000	USB	(AB)
S06s	7560	30-8	1110	Tue	754 754 754 00000	USB	(AB)
S06s	6766	30-8	1500	Tue	537 537 537 00000	USB	(AB)
S06s	7744	30-8	1509	Tue	537 537 537 00000 (1 min early)	USB	(AB/MPJ)
S06s	9157	30-8	1825	Tue	329 926 21 88466 70178 42194 ... 75437 32284 35966 97698 926 21 00000	LSB	(Brp)
S06s	11565	31-8	0530	Wed	464 464 464 00000	USB	(AB)
S06s	12560	31-8	0540	Wed	464 464 464 00000	USB	(AB)
S06s	12110	31-8	0730	Wed	745 745 745 00000	LSB	(AB/qsr711)
S06s	14977	31-8	0740	Wed	745 745 745 00000	LSB	(AB/qsr711)
S06s	9485	31-8	0820	Wed	471 471 471 00000	LSB	(AB)
S06s	11085	31-8	0830	Wed	471 471 471 00000	LSB	(AB)
S06s	14580	31-8	1000	Wed	729 729 729 00000	USB	(AB)
S06s	16020	31-8	1010	Wed	729 729 729 00000	USB	(AB)
S11a	20180	1-8	0715	Mon	382/00	USB	(AB)
S11a	16530	1-8	1015	Mon	475/00	USB	(AB)
S11a	5149	2-8	0455	Tue	321/00	USB	(AB/Edd-HOL)
S11a	8530	2-8	0915	Tue	484/00	USB	(AB/MPJ/Edd-HOL)
S11a	11581	2-8	1020	Tue	426/00	USB	(AB/MPJ)
S11a	20180	3-8	0715	Wed	382/00	USB	(AB)
S11a	4870	3-8	1955	Wed	371/00	USB	(AB/MPJ)
S11a	16530	4-8	1015	Thu	475/00	USB	(AB/Edd-HOL)
S11a	5149	5-8	0455	Fri	321/00	USB	(AB)
S11a	8530	5-8	0915	Fri	484/00	USB	(AB)
S11a	11581	5-8	1020	Fri	426/00	USB	(AB)
S11a	4870	5-8	1955	Fri	371/00	USB	(AB/MPJ)
S11a	11092	6-8	1540	Sat	563/00	USB	(Edd-HOL)
S11a	16530	8-8	1015	Mon	472/40 Vnimaniye 57429 02958 64188 ... 27522 23840 25240 Vnimaniye, rpt msg, konets	USB	(AB)
S11a	5149	9-8	0455	Tue	328/38 Vnimaniye 74861 16971 03399 ... 36810 04697 65763 Vnimanye, rpt msg, out	USB	(AB/Edd-HOL)
S11a	8530	9-8	0915	Tue	480/34 Vnimaniye 72982 67223 37018 ... 12614 22587 37654 Vnimaniye, rpt msg, konets	USB	(AB/Edd-HOL)
S11a	11581	9-8	1020	Tue	426/31 Vnimaniye 57426 26313 26726 ... 97083 24101 96360 Vnimaniye, rpt msg, konets	USB	(AB/PW2/Edd-HOL)
S11a	20180	10-8	0715	Wed	384/31 Vnimaniye ...	USB	(AB/ES)
S11a	11092	10-8	1540	Wed	563/00	USB	(AB)
S11a	4870	10-8	1955	Wed	371/00	USB	(AB)
S11a	16530	11-8	1015	Thu	472/40 Vnimaniye 57429 02958 64188 ... 27522 23840 25240 Vnimaniye, rpt msg, konets	USB	(AB)
S11a	5149	12-8	0455	Fri	328/38 Vnimaniye 74861 16971 03399 ... 36810 04697 65763 Vnimanye, rpt msg, out	USB	(AB)
S11a	8530	12-8	0915	Fri	480/34 Vnimaniye 72982 67223 37018 ... 12614 22587 37654 Vnimaniye, rpt msg, konets	USB	(AB/ES)
S11a	11581	12-8	1020	Fri	426/31 Vnimaniye 57426 26313 26726 ... 97083 24101 96360 Vnimaniye, rpt msg, konets	USB	(AB)
S11a	4870	12-8	1955	Fri	371/00	USB	(AB/MPJ)
S11a	11092	13-8	1540	Sat	563/00	USB	(AB/MPJ)

S11a	20180	15-8	0715	Mon	382/00	USB	(AB)
S11a	16530	15-8	1015	Mon	475/00	USB	(AB)
S11a	8530	16-8	0915	Tue	484/00	USB	(AB/ES)
S11a	11581	16-8	1020	Tue	426/00	USB	(ES)
S11a	20180	17-8	0715	Wed	382/00	USB	(AB/ES)
S11a	4870	17-8	1955	Wed	370/35 Vnimanaye 12096 07262 30984 ... 54981 99975 25667 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	16530	18-8	1015	Thu	475/00	USB	(AB)
S11a	8530	19-8	0915	Fri	484/00	USB	(AB)
S11a	11581	19-8	1020	Fri	426/00	USB	(AB)
S11a	4870	19-8	1955	Fri	370/35 Vnimanaye 12096 07262 30984 ... 54981 99975 25667 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11092	20-8	1540	Sat	565/33 Vnimanaye ...	USB	(AB)
S11a	16530	22-8	1015	Mon	475/00	USB	(AB)
S11a	5149	23-8	0455	Tue	321/00	USB	(AB)
S11a	8530	23-8	0915	Tue	484/00	USB	(AB)
S11a	11581	23-8	1020	Tue	426/00	USB	(AB)
S11a	11092	24-8	1540	Wed	563/00	USB	(BvR)
S11a	4870	24-8	1955	Wed	371/00	USB	(AB/MPJ)
S11a	16530	25-8	1015	Thu	475/00	USB	(AB)
S11a	5149	26-8	0455	Fri	321/00	USB	(AB)
S11a	8530	26-8	0915	Fri	484/00	USB	(AB)
S11a	11581	26-8	1020	Fri	426/00	USB	(AB)
S11a	4870	26-8	1955	Fri	371/00	USB	(AB/MPJ)
S11a	20180	29-8	0715	Mon	382/00	USB	(AB)
S11a	5149	30-8	0455	Tue	321/00	USB	(AB)
S11a	8530	30-8	0915	Tue	484/00	USB	(AB)
S11a	20180	31-8	0715	Wed	382/00	USB	(AB)
S11a	4870	31-8	1955	Wed	371/00	USB	(AB/MPJ)
S28	4625	1-8	0300	Mon	ZhUOZ LYeSOBYeG 7236	USB	(Priyom)
S28	4625	1-8	0309	Mon	ZhUOZ KRashONAST 5211 Error at the start	USB	(Priyom)
S28	4625	1-8	0659	Mon	ZhUOZ AL'TOSTYeK 2807	USB	(Priyom)
S28	4625	1-8	0826	Mon	ZhUOZ 95715 AVTOGYeNNYJ 93993945 VATAZhNIK 72723084	USB	(Priyom)
S28	4625	1-8	1057	Mon	ZhUOZ 56307 GRYeChANKA 24345573	USB	(Priyom)
S28	4625	1-8	1103	Mon	ZhUOZ 43295 AZOTOSAD 17608868	USB	(Priyom)
S28	4625	9-8	0932	Tue	ZhUOZ 48507 LIKOTROP 87149689	USB	(Priyom)
S28	4625	9-8	1001	Tue	ZhUOZ 63783 VYVOD 47723520	USB	(Priyom)
S28	4625	9-8	1003	Tue	ZhUOZ 88097 BLUDOSTOG 93813130	USB	(Priyom)
S28	4625	9-8	1005	Tue	ZhUOZ 97914 KOFROKRUP 84342480	USB	(Priyom)
S28	4625	9-8	1016	Tue	ZhUOZ 12282 ZAMORYSh 22860100	USB	(Priyom)
S28	4625	9-8	1023	Tue	ZhUOZ 29145 AVTOGONShchIK 21107469	USB	(Priyom)
S28	4625	9-8	1038	Tue	ZhUOZ 81689 VYeSOShPON 07092918	USB	(Priyom)
S28	4625	9-8	1103	Tue	ZhUOZ 95121 BLYeFOMYeNT 71326500	USB	(Priyom)
S28	4625	9-8	1116	Tue	ZhUOZ 99516 IZVYeSTIYe 06155894	USB	(Priyom)
S28	4625	9-8	1131	Tue	ZhUOZ 23679 KUMOShIT 78889426	USB	(Priyom)
S28	4625	9-8	1201	Tue	ZhUOZ 32613 GRUZOSHU 09326119 GAZOKAMYeRA 68727544	USB	(Priyom)
S28	4625	9-8	1331	Tue	ZhUOZ 47216 GORODYeCKIJ 12529433	USB	(Priyom)
S28	4625	15-8	0814	Mon	ZhUOZ 73095 GRADOTAJM 38337332	USB	(Priyom)
S28	4625	15-8	0846	Mon	ZhUOZ 79517 GLAZORUR 57593222	USB	(Priyom)
S28	4625	15-8	1030	Mon	ZhUOZ 45027 BOBKOVYJ 29148945	USB	(Priyom)
S28	4625	15-8	1141	Mon	ZhUOZ 27574 VYeRBOVOChNYJ 43319758	USB	(Priyom)
S28	4625	16-8	0837	Tue	ZhUOZ 62631 KARAKOVYJ 43698520 KONOMAJYa 11173676 VOLGAR' 47593107	USB	(Priyom)
S28	4625	16-8	0853	Tue	ZhUOZ 09316 GRACOSYN 99682747	USB	(Priyom)
S28	4625	16-8	0915	Tue	ZhUOZ 81742 ARNIKA 56045596	USB	(Priyom)
S28	4625	16-8	0957	Tue	ZhUOZ 22516 ARTRIT 87573852	USB	(Priyom)
S28	6998	22-8	0446	Mon	Buzzer //4625 kHz	USB	(AB)
S30	3756	15-8	0238	Mon	8S1Shch STALAGMIT 2357 IZVYeSTIYe 7645 Count before the message, time mark after the message	USB	(Priyom)
S30	3756	15-8	0259	Mon	TUZR ALYeNKA 4086 GORBOLYeS 6979 Time mark after the message	USB	(Priyom)
S30	3756	19-8	1809	Fri	Dlia message	USB	(IK00ZK)
S30	3756	24-8	1838	Wed	Dlia message	USB	(IK00ZK)
S30	3756	31-8	1743	Wed	Pip marker	USB	(chpa)

S32	4625	31-8	1732	Wed	Buzzer marker	USB	(chpa)
S32	5474	31-8	1749	Wed	Squeaky Wheel marker	USB	(chpa)
S906g	10755	12-8	1730	Fri	Test transmission, errors and breaks: 975 46830 (R4) 120 37 64723 48167 16284 ... 41133 29699 57043 120 37 00000	USB	(qsr711)
V07	14823	7-8	0500	Sun	845 845 845 000	USB	(HFD)
V07	13423	7-8	0520	Sun	845 845 845 000	USB	(HFD)
V07	14823	8-8	0500	Mon	845 845 845 000	USB	(Dan)
V07	13423	8-8	0520	Mon	845 845 845 000	USB	(Dan)
V07	14823	27-8	0500	Sat	Message	USB	(Dan)
V07	13423	27-8	0520	Sat	Message	USB	(Dan)
V07	11523	27-8	0540	Sat	Message	USB	(Dan)
V13	9725	1-8	1200	Mon	New Star Broadcasting #4	AM	(AB-USA)
V13	9725	1-8	1300	Mon	New Star Broadcasting #4	AM	(AB-USA)
V13	9725	5-8	1300	Fri	New Star Broadcasting #4	AM	(AB-USA)
V13	9725	7-8	1300	Sun	New Star Broadcasting #4	AM	(AB-USA)
V13	15388	28-8	0710	Sun	New Star Broadcasting #3 i.p.	AM	(AB-PHL)
V15	3320	28-7	1617		Message in Korean	AM	(BCL)
V15	3250	11-8	1615	Thu	Message in Korean	AM	(Moo)
V15	3320	11-8	1615	Thu	Message in Korean	AM	(BCL)
V15	3320	25-8	1615	Thu	Messages in Korean	AM	(BCL)
V15	3320	26-8	1615	Fri	Message in Korean	AM	(BCL)
V24	6215	5-6	1500		Song followed by a message: 1094 57 27031 15181 18209 ... 06610 07064 36512 (error, 62 groups were sent)	AM	(BCL)
V24	5290	3-7	1430		Song followed by a message: 1973 46 23545 05238 21971 ... 12356 60934 59520	AM	(BCL)
V24	6310	3-7	1630		Song followed by a message: 3890 43 20525 88321 10190 ... 14440 93212 93907	AM	(BCL)
V24	5900	22-7	1600		Song followed by a message: 2693 43 20525 88321 10190 ... 14440 93212 93907	AM	(BCL)
V24	5290	3-8	1430	Wed	Song followed by a message: 1973 29 87005 08538 62685 ... 67124 59747 82579	AM	(BCL)
V24	5290	13-8	1430	Sat	Song followed by a message: 1973 46 23545 05238 21971 ... 12356 60934 59520	AM	(BCL)
V24	5715	22-8	1500	Mon	Messages in Korean	AM	(BCL)
V24	4900	24-8	1530	Wed	Messages in Korean	AM	(BCL)
V26	7345	31-7	0944		Message	USB	(RonC)
V26	8073	9-8	1130	Tue	Voice callup. Male operator	USB	(JPL-HK)
V26	4243	9-8	1204	Tue	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	9-8	1204	Tue	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	11-8	1216	Thu	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	9054	15-8	2341	Mon	Voice callup in Chinese. Female operator	USB	(JPL-HK)
V26	8073	19-8	1131	Fri	Voice callup. Female operator	USB	(JPL-HK)
V26	4243	19-8	1214	Fri	Message in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	19-8	1214	Fri	Message in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	8073	19-8	1600	Fri	Voice callup. Female operator. No Q26/M95 followed	USB	(JPL-HK)
V26	8073	21-8	1130	Sun	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	31-8	1131	Wed	Voice callup in Chinese. Male operator	USB	(JPL-HK)
V28	3279	23-8	1230	Tue	N. Korean numbers station wildly drifting	AM	(RonC)
V28	3277	23-8	1657	Tue	N Korean numbers	AM	(RonC)
V28	3277	24-8	1331	Wed	Messages in Korean	AM	(BCL)
V28	2979.6	25-8	1332	Thu	N Korean numbers	AM	(BCL)
X06	15989	2-8	0824	Tue	Mazielka. Sequence: 125643	MFSK	(Danix)
X06	12149	2-8	0837	Tue	Mazielka. Sequence: 154263	MFSK	(Danix)
X06	14615	2-8	0937	Tue	Mazielka. Sequence: 125643	MFSK	(Danix)
X06	13411	2-8	0949	Tue	Mazielka. Sequence: 165423	MFSK	(Danix)
X06	16188	2-8	1207	Tue	Mazielka. Sequence: 325614	MFSK	(AAI)
X06	13954	5-8	0547	Fri	Mazielka. Sequence: 213546	MFSK	(AAI)
X06	9158	5-8	0958	Fri	Mazielka. Sequence: 361245	MFSK	(Danix)
X06	11537	8-8	0808	Mon	Mazielka. Sequence: 421635	MFSK	(Danix)
X06	7426	8-8	0840	Mon	Mazielka. Sequence: 421635	MFSK	(Danix)
X06	16117	8-8	0943	Mon	Mazielka. Sequence: 463125	MFSK	(Danix)
X06	14861	9-8	0812	Tue	Mazielka. Sequence: 542136	MFSK	(Danix)
X06	13510	9-8	1008	Tue	Mazielka. Sequence: 612534	MFSK	(Danix)
X06	17470	9-8	1010	Tue	Mazielka. Sequence: 216354	MFSK	(Danix)
X06	11153	10-8	0802	Wed	Mazielka. Sequence: 465132	MFSK	(Danix)
X06	16116	10-8	0852	Wed	Mazielka. Sequence: 134265	MFSK	(Danix)

X06	9065	11-8	0732	Thu	Mazielka. Sequence: 561243	MFSK	(Danix)
X06	13843	11-8	0821	Thu	Mazielka. Sequence: 153624	MFSK	(Danix)
X06	16115	17-8	1108	Wed	Mazielka. Sequence: 215346	MFSK	(Danix)
X06a	12213	26-8	1430	Fri	Mazielka. Sequence: 616161 before E07a	MFSK	(AB)
X06b	13383	1-8	1301	Mon	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	14683	1-8	1302	Mon	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	15983	1-8	1303	Mon	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	16167	5-8	1758	Fri	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	14663	5-8	1801	Fri	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	16167	5-8	1804	Fri	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	10868	6-8	0503	Sat	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	10868	6-8	0505	Sat	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	13368	6-8	0507	Sat	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	12168	6-8	0508	Sat	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	10868	6-8	0509	Sat	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	16314	9-8	1810	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14514	9-8	1811	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	15814	9-8	1812	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	16314	9-8	1813	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14738	9-8	1917	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	13438	9-8	1921	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	12138	9-8	1924	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14738	9-8	1926	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	10868	10-8	0512	Wed	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	10868	10-8	0512	Wed	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	10868	10-8	0516	Wed	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	10868	10-8	0516	Wed	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	14514	11-8	1803	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	15814	11-8	1804	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	14514	11-8	1805	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	16314	11-8	1806	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	15814	11-8	1807	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	16314	11-8	1808	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	14738	14-8	1901	Sun	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	12138	14-8	1902	Sun	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	13438	14-8	1903	Sun	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	14738	14-8	1906	Sun	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	10469	14-8	2006	Sun	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	12179	14-8	2007	Sun	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	13369	14-8	2008	Sun	Mazielka. Sequence: 1----- before M12	CW	(Danix)
X06b	12187	16-8	1653	Tue	Mazielka. Sequence: 1--6-- before XPA	MFSK	(AB)
X06b	14514	16-8	1807	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	15814	16-8	1808	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	16314	16-8	1809	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	12166	17-8	1856	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	9266	17-8	1917	Wed	Mazielka. Sequence: 1--6-- before E07	MKSF	(Dan)
X06b	10766	17-8	1918	Wed	Mazielka. Sequence: 1--6-- before E07	MKSF	(Dan)
X06b	12166	17-8	1920	Wed	Mazielka. Sequence: 1--6-- before E07	MKSF	(Dan)
X06b	13923	19-8	1830	Fri	Mazielka. Sequence: 6--1-- before XPA2	MFSK	(Dan)
X06b	14663	19-8	1831	Fri	Mazielka. Sequence: 6--1-- before XPA2	MFSK	(Dan)
X06b	16167	19-8	1832	Fri	Mazielka. Sequence: 6--1-- before XPA2	MFSK	(Dan)
X06b	15814	23-8	1757	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	16314	23-8	1758	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	16314	23-8	1821	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14514	25-8	1818	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	15814	25-8	1819	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	14514	25-8	1820	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	16314	25-8	1821	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	15814	25-8	1822	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	16314	25-8	1826	Thu	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	13923	27-8	1740	Sat	Mazielka. Sequence: 6--1--	MFSK	(Dan)
X06b	14663	27-8	1742	Sat	Mazielka. Sequence: 6--1--	MFSK	(Dan)
X06b	16167	27-8	1759	Sat	Mazielka. Sequence: 6--1--	MFSK	(Dan)
X06b	16167	27-8	1801	Sat	Mazielka. Sequence: 6--1--	MFSK	(Dan)
X06b	16167	27-8	1895	Sat	Mazielka. Sequence: 6--1--	MFSK	(Dan)
X06b	10766	31-8	1920	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)

X06b	9266	31-8	1925	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	10766	31-8	1926	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	9266	31-8	1928	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	12166	31-8	1930	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	12166	31-8	1933	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(AB/Dan)
X06b	12166	31-8	1935	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(AB/Dan)
X06b	9266	31-8	1936	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
X06b	12166	31-8	1937	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(AB/Dan)
X06b	10766	31-8	1938	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK	(Dan)
XM	5582	8-8	2016	Mon	Feedback i.p.	USB	(AB)
XPA	12187	2-8	1730	Tue	173 173 173 000 09734 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10787	2-8	1750	Tue	173 173 173 000 09734 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	9387	2-8	1810	Tue	173 173 173 000 09734 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10868	3-8	0600	Wed	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB/HFD)
XPA	12168	3-8	0620	Wed	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB/HFD)
XPA	13368	3-8	0640	Wed	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB/HFD)
XPA	12187	4-8	1730	Thu	173 173 173 000 05421 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10787	4-8	1750	Thu	173 173 173 000 05421 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9387	4-8	1810	Thu	173 173 173 000 05421 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	6-8	0600	Sat	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB)
XPA	12168	6-8	0620	Sat	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB)
XPA	13368	6-8	0640	Sat	813 1 00344 00213 01582 ... 19224 75984 31766	MFSK-20/10Bd	(AB)
XPA	12187	9-8	1730	Tue	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB/MPJ)
XPA	10787	9-8	1750	Tue	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	9-8	1810	Tue	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB/MPJ)
XPA	10868	10-8	0600	Wed	813 813 813 000 07738 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	10-8	0620	Wed	813 813 813 000 07738 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	10-8	0640	Wed	813 813 813 000 07738 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12187	11-8	1730	Thu	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB)
XPA	10787	11-8	1750	Thu	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	11-8	1810	Thu	173 1 06858 00231 61999 ... 57238 35035 56251	MFSK-20/10Bd	(AB)
XPA	10868	13-8	0600	Sat	813 813 813 000 05677 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	13-8	0620	Sat	813 813 813 000 05677 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	13-8	0640	Sat	813 813 813 000 05677 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12187	16-8	1730	Tue	173 173 173 000 09657 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10787	16-8	1750	Tue	173 173 173 000 09657 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	16-8	1810	Tue	173 173 173 000 09657 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	17-8	0600	Wed	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	12168	17-8	0620	Wed	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	13368	17-8	0640	Wed	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	12187	18-8	1730	Thu	173 173 173 000 03701 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10787	18-8	1750	Thu	173 173 173 000 03701 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	18-8	1810	Thu	173 173 173 000 03701 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	20-8	0600	Sat	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	12168	20-8	0620	Sat	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	13368	20-8	0640	Sat	813 1 05405 00197 75897 ... 50097 94630 25120	MFSK-20/10Bd	(AB)
XPA	12187	23-8	1730	Tue	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB)
XPA	10787	23-8	1750	Tue	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	23-8	1810	Tue	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB)
XPA	10868	24-8	0600	Wed	813 813 813 000 05729 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	24-8	0620	Wed	813 813 813 000 05729 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	24-8	0640	Wed	813 813 813 000 05729 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12187	25-8	1730	Thu	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB/MPJ)
XPA	10787	25-8	1750	Thu	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB)
XPA	9387	25-8	1810	Thu	173 1 06650 00291 16735 ... 42044 10154 77573	MFSK-20/10Bd	(AB)
XPA	10868	27-8	0600	Sat	813 813 813 000 08998 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	27-8	0620	Sat	813 813 813 000 08998 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	27-8	0640	Sat	813 813 813 000 08998 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12187	30-8	1730	Tue	173 173 173 000 01275 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	10787	30-8	1750	Tue	173 173 173 000 01275 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	9387	30-8	1810	Tue	173 173 173 000 01275 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	31-8	0600	Wed	813 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA	12168	31-8	0620	Wed	813 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA	13368	31-8	0640	Wed	813 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA2	20049	2-8	0700	Tue	09900 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	18549	2-8	0720	Tue	09900 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)

XPA2	17449	2-8	0740	Tue	09900 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	16314	2-8	1900	Tue	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/MPJ/Dan /HFD)
XPA2	15814	2-8	1920	Tue	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/MPJ/Dan /HFD)
XPA2	14514	2-8	1940	Tue	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/Dan/HFD)
XPA2	14738	2-8	2000	Tue	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB/MPJ/Dan /HFD)
XPA2	13438	2-8	2020	Tue	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB/RL/Dan/ HFD)
XPA2	12138	2-8	2040	Tue	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB/Dan/HFD)
XPA2	16314	4-8	1900	Thu	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	15814	4-8	1920	Thu	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	4-8	1940	Thu	03122 00171 14797 ... 80982 89803 25430	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	20049	5-8	0700	Fri	06824 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18549	5-8	0720	Fri	06824 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17449	5-8	0740	Fri	06824 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	5-8	1900	Fri	01037 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14663	5-8	1920	Fri	01037 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan /HFD)
XPA2	13923	5-8	1940	Fri	01037 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan /HFD)
XPA2	16167	6-8	1900	Sat	02417 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14663	6-8	1920	Sat	02417 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13923	6-8	1940	Sat	02417 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14738	7-8	2000	Sun	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB)
XPA2	13438	7-8	2020	Sun	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB)
XPA2	12138	7-8	2040	Sun	06249 00069 16046 ... 98170 60907 36151	MFSK-16/20Bd	(AB)
XPA2	20049	9-8	0700	Tue	05036 00097 82378 ... 30934 01079 25472	MFSK-16/20Bd	(AB)
XPA2	18549	9-8	0720	Tue	05036 00097 82378 ... 30934 01079 25472	MFSK-16/20Bd	(AB)
XPA2	17449	9-8	0740	Tue	05036 00097 82378 ... 30934 01079 25472	MFSK-16/20Bd	(AB)
XPA2	16314	9-8	1900	Tue	05653 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15814	9-8	1920	Tue	05653 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14514	9-8	1940	Tue	05653 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14738	9-8	2000	Tue	05292 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13438	9-8	2020	Tue	05292 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12138	9-8	2040	Tue	05292 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	11-8	1900	Thu	06917 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	15814	11-8	1920	Thu	06917 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	11-8	1940	Thu	06917 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	16167	12-8	1900	Fri	01165 00079 00885 ... 91436 43048 56667	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14663	12-8	1920	Fri	01165 00079 00885 ... 91436 43048 56667	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	13923	12-8	1940	Fri	01165 00079 00885 ... 91436 43048 56667	MFSK-16/20Bd	(AB/MPJ/RL/ Dan)
XPA2	16167	13-8	1900	Sat	01165 00079 01885 ... 91436 43048 56667	MFSK-16/20Bd	(AB)
XPA2	14663	13-8	1920	Sat	01165 00079 01885 ... 91436 43048 56667	MFSK-16/20Bd	(AB)
XPA2	13923	13-8	1940	Sat	01165 00079 01885 ... 91436 43048 56667	MFSK-16/20Bd	(AB)
XPA2	14738	14-8	2000	Sun	04629 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	13438	14-8	2020	Sun	04629 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	14-8	2040	Sun	04629 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	20049	16-8	0700	Tue	08825 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18549	16-8	0720	Tue	08825 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17449	16-8	0740	Tue	08825 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	16-8	1900	Tue	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/MPJ/Dan)

XPA2	15814	16-8	1920	Tue	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	16-8	1940	Tue	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14738	16-8	2000	Tue	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	16-8	2020	Tue	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	16-8	2040	Tue	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB/Dan)
XPA2	16314	18-8	1900	Thu	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/RL/MPJ/Dan)
XPA2	15814	18-8	1920	Thu	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	18-8	1940	Thu	00323 00195 12375 ... 24368 07816 32233	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	20049	19-8	0700	Fri	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18549	19-8	0720	Fri	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17449	19-8	0740	Fri	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	19-8	1900	Fri	08875 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	19-8	1920	Fri	08875 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	19-8	1940	Fri	08875 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	20-8	1900	Sat	08092 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	14663	20-8	1920	Sat	08092 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13923	20-8	1940	Sat	08092 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14738	21-8	2000	Sun	08988 00001 00000 10140	MFSK-16/20Bd	(Dan/MPJ)
XPA2	14738	21-8	2000	Sun	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	21-8	2020	Sun	08988 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	13438	21-8	2020	Sun	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB)
XPA2	12138	21-8	2040	Sun	08988 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	12138	21-8	2040	Sun	05468 00085 02944 ... 83717 15685 11243	MFSK-16/20Bd	(AB)
XPA2	20049	23-8	0700	Tue	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	18549	23-8	0720	Tue	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	17449	23-8	0740	Tue	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	16314	23-8	1900	Tue	02000 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	15814	23-8	1920	Tue	02000 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	23-8	1940	Tue	02000 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14738	23-8	2000	Tue	08402 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	23-8	2020	Tue	08402 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12138	23-8	2040	Tue	08402 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	25-8	1900	Thu	03762 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	15814	25-8	1920	Thu	03762 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14514	25-8	1940	Thu	03762 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	20049	26-8	0700	Fri	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	18549	26-8	0720	Fri	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	17449	26-8	0740	Fri	01520 00088 36862 ... 34804 11458 51566	MFSK-16/20Bd	(AB)
XPA2	16167	26-8	1900	Fri	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14663	26-8	1920	Fri	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	13923	26-8	1940	Fri	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	16167	27-8	1900	Sat	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/RL/Dan)
XPA2	14663	27-8	1920	Sat	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	13923	27-8	1940	Sat	07965 00103 93784 ... 13256 41947 74653	MFSK-16/20Bd	(AB/MPJ/Dan /MDK2)
XPA2	16314	30-8	1900	Tue	01572 00183 38963 ... 47744 56654 00224	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	15814	30-8	1920	Tue	01572 00183 38963 ... 47744 56654 00224	MFSK-16/20Bd	(AB/Dan)
XPA2	14514	30-8	1940	Tue	01572 00183 38963 ... 47744 56654 00224	MFSK-16/20Bd	(AB/Dan)
XPA2	14738	30-8	2000	Tue	08864 00093 78099 ... 06315 14071 75243	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	30-8	2020	Tue	08864 00093 78099 ... 06315 14071 75243	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	30-8	2040	Tue	08864 00093 78099 ... 06315 14071 75243	MFSK-16/20Bd	(AB/Dan)

CONTRIBUTORS

AAI	Antonio Anselmi, Italy	IK0OZK	IK0OZK Renato, Italy
AB	Ary Boender, Netherlands	JkC	Jim K-C
AB-KOR	Ary Boender via remote rx South Korea	JPL	JPL, Ontario, Canada
AB-PHL	Ary Boender via remote rx Philippines	JPL-HK	JPL via remote rx Hong Kong
AB-S	Ary Boender via remote rx Sweden	JPL-Sib	JPL via remote rx Siberia
AB-USA	Ary Boender via remote rx USA	JU	Jay Updike, W. Europe
BCL	bclman, S. Korea	MCO	Mike Chace-Ortiz, PA, USA
BR	Brian Rogers, UK	MDK2	MDK2
BvR	Bert van Rij, Netherlands	Moo	Moo, S. Korea
ChPa	Christer, Sweden	MPJ	Jim, SW England
CtY	Ct Yankee	MT	Mike Tibor, USA
Dan	Daniel, Argentina	Priyom	Priyom.org
Danix	Danix111, Poland	qsr711	QSR711
Danix-USA	Danix via remote rx USA	qsr711-USA	QSR711 via remote rx USA
DK8OK	DK8OK Nils Schiffhaur, D	RL	Bob Landolpho
DSch	Don Schimmel, WV, USA	RonC	Ron, CA, USA
ES-HOL	Edward Smith via remote rx Netherlands	RR2	Rich Ray, IL, USA
ES-POL	Edward Smith via remote rx Poland	Tom	Tom, Lincs, UK
GHn	Gary Hagermann, UK	Uascan	Uascan, S
HFD	Hans-Friedrich Dumrese, Germany	WP3	Wolfgang Palmberger
IARUMS	IARU Monitoring Service		

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

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HF UNDERGROUND <http://www.hfunderground.com/board/>

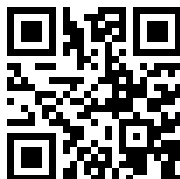
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To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

878 27364 92836 89428 61288 14982 34498 32164 31276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98670 27601 56701 57601 73648 1
591 87364 87265 96718 27638 12673 84769 28743 98127 5
63298 75698 27465 87326 49876 28376 81273 98615 81
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57 68768 68763 34234 34238 68768 62342 48273 48768 23
936 98432 32432 86743 43286 43286 43286 43286 43286 43
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