

6	27364	92836	89428	61298	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
1	87364	87265	96710	27630	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	40
43	86743	86743	39867	32867	86743	43286	43286	43243	86
1	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	8
10	87698	69876	87698	69876	87612	12341	34867	86798	6
	43298	65656	56756	56123	32143	14321	32143	14321	30
	58765	58765	76587	58765	76587	58765	76587	58756	20

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #251, August 2018

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

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

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



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FOREWORD

Hi and welcome to the 251st edition of N&O.

It has been a very busy month. Not only do we have ca 60 pages of Numbers transcripts and a lot of logs, but I also had quite some work to do for the UDXF and N&O websites.

Thanks to JPL and F5JBR for the large amount of logs from M89, M95, North Korean Military and Russian Military net. Also thanks to Pierre Ynard for his Russian Far Eastern E06/S06 report; and of course thanks to everyone who submitted logs and info..

Mike Chace-Ortiz decided to take his **Utility Monitoring Central** website offline. Mike asked me to add the UMC files to UDXF, which I did. I have revamped ca 170 files and uploaded most of them as PDFs to the history pages: Some other files have been integrated in existing files on UDXF. <http://udxf.nl/utehistoryfiles.html>

At first we wanted to move the UMC hardware and software pages to the UDXF wiki but that wasn't a big success, so these pages have been moved to Radio Reference. Mike Agner will update them when needed.

http://wiki.radioreference.com/index.php/HF_Software_Decoders

http://wiki.radioreference.com/index.php/HF_Hardware_Decoders

We hope that you will enjoy the files on UDXF and Radio Reference pages.

Ever since my friend Fritz Nusser passed away in 2014, I wanted to edit his Russian Navy files for UDXF, but somehow I could not manage to do it. Now I finally did. He has put so much time in it that it would be a pity if the files were lost. So now you can find them here [Russian Navy](#) and here [Russian Military Communications Hubs, Radio Sites, HF-RDF and Radar Stations](#)

Apart from the above mentioned files, I have added and changed quite a lot on the UDXF and N&O website.

<http://udxf.nl/whatsnew.html>

<http://www.numbersoddities.nl/whatsnew.html>

Another interesting document about the Russian Navy was written by André F5JBR. It is called La Marine Russe et la télégraphie http://f5jbr.free.fr/carnets_ecoutes/ECOUTES_ONDES_COURTES_carnet_09.pdf

VOICE STATIONS

E06

13540/16115 kHz, 02-08/03-08, 0500/0600 UTC

210 974 53

67011 83142 86356 35621 08432 68576 12895 93331 18963 35464

40279 03862 84075 45514 23800 42019 48638 92181 51319 25028

63296 26327 40292 30954 47356 64383 47375 90519 66614 71239

51578 46595 49557 35012 96879 11054 90387 75904 05267 73673

12296 56330 96103 42787 89427 84496 72803 22342 50980 28630

62710 55091 15865

974 53 00000

5936 kHz, 02-08, 2026 UTC. Early start

735 289 54

12345 89657 45632 75684 95463 84567 06854 84657 91745 19567

85674 82821 85674 21972 91297 27890 84672 74284 73581 83861

74581 91248 17671 41812 97128 90486 43716 47534 85494 24353

91486 17410 97272 49191 04171 42468 12893 89758 43673 48727

51534 87281 87462 64874 74728 87284 84926 82941 81749 92471

67578 64618 84021 72492

289 54 00000

Windows shut down sound

5731 kHz, 03-08, 2127 UTC. Early start

315 289 54
12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000

11427/13584 kHz, 07-08, 0210/0310 UTC

537 968 42
30520 21812 83355 68444 65646 59886 44412 19641 13600 71514
21929 04399 24715 71051 76031 40112 44831 57001 20801 79986
28907 23855 02205 96399 26608 33788 75328 60858 50808 02907
54376 87712 64939 81739 33852 33837 50120 34644 04377 71446
38013 47838
968 42 00000

5731 kHz, 17-08, 2135 UTC. Late start

315 149 52
12265 10965 47839 38654 84677 93453 72217 84393 04673 97564
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234
05124 95732
149 52 00000

11472/13584 kHz, 20-08/21-08, 0210/0310 UTC

537 680 45
40844 48401 48656 44334 30018 96299 48985 03569 81225 62938
12430 58278 73347 72189 80689 03652 90807 63526 12929 19474
27325 54545 17119 20579 06953 89905 13511 67955 08344 06391
78666 82681 03164 68763 43507 29876 44619 56113 43788 64858
67003 03380 46466 58710 82247
680 45 00000

E07

16147/14647/13447 kHz, 01-08/06-08/08-08/13-08/15-08/20-08/22-08, 1900/1920/1940 UTC

164 164 164 1 523 61 523 61
89217 93231 95886 95226 61374 85670 98437 32213 34459 66685
40019 03167 19984 93406 66919 92124 47992 70069 65056 67746
03177 65548 01902 98434 56711 32439 99683 13759 01387 27522
73992 28146 67605 67740 24297 56425 49972 80067 15447 86993
12271 64112 68502 42531 73578 39638 93687 85128 09740 58781
76317 03044 31524 66888 23916 20338 94879 68228 09237 76622
56323 000 000

10753/9147/7637 kHz, 02-08, 2010/2030/2050 UTC

716 716 716 1 367 31 367 31
05583 73742 50370 79254 31258 24971 48152 27819 65841 51509
07107 25537 55868 36202 43116 22459 14760 78668 33517 13986
53374 50770 32098 05336 60058 03123 36307 57749 76233 01600
58209 000 000

9064/10264/11464 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0600/0620/0640 UTC

024 024 024 1 401 61 401 61
36201 09304 35321 81950 11119 83814 15951 95377 79150 45388
09415 26728 96133 96314 56386 56919 24103 43677 64549 65552
26121 88712 65522 35089 83839 46288 79412 83270 19491 07333
00816 79929 95668 72592 53578 15318 14428 03562 49127 70058
90453 30599 66130 16660 93255 03562 55544 40485 23803 11184
79316 37695 93420 25138 87283 64427 03370 66765 65947 97944
08424 000 000

13397/12197/10697 kHz, 05-08/08-08, 1700/1720/1740 UTC

316 316 316 1 7504 81 7504 81
02549 02086 12359 80094 51462 27691 06813 03930 99519 62413
94608 17780 66447 64609 68882 31289 72453 11255 99709 52252
18478 18271 54500 85211 82948 72321 40336 98394 72527 24725
14632 06142 97899 98666 76468 04958 46398 80740 69735 72705
57183 85562 13270 70148 18546 82399 21322 78788 92914 81688
78070 54656 65572 28029 15045 01845 40094 60476 35357 03122
95851 70294 21931 70537 96987 33243 60291 27095 48031 79799
32607 68871 56344 12133 41211 52826 66999 90190 81727 10620
08943 000 000

16246/18446/19246 kHz, 07-08/10-08, 0700/0720/0740 UTC

242 242 242 1 439 61 439 61
76226 23056 53106 07081 38130 15660 57416 71325 50859 38223
76663 69458 00154 97951 94752 43341 06761 09971 58247 89908
29133 40421 12569 52484 59387 19806 76534 25885 72404 45078
75636 44513 92794 48515 22601 79262 66107 66299 69465 15022
27817 26584 81848 29065 02006 57129 36662 93983 86276 51818
36161 57856 66195 80833 01872 00177 18476 01673 50812 45185
68706 000 000

20146/18246/16346 kHz, 07-08/10-08, 1100/1120/1140 UTC

123 123 123 1 2340 49 2340 49
05983 37183 69895 60752 90235 03145 85278 51224 55818 75318
51981 93619 90328 91141 49639 24565 34147 98985 08893 32347
91136 77461 07072 25116 11213 17501 13890 98826 38461 91249
59453 97136 14916 25372 52076 37827 54278 43084 56807 34543
35716 78568 98757 67680 13736 42658 33631 59263 11868 000 000

13397/12197/10697 kHz, 12-08/15-08, 1700/1720/1740 UTC

316 316 316 1 170 131 170 131
95200 28044 31203 33501 80673 60060 95210 12034 96330 93608
09768 80279 18985 71906 79486 31206 45940 77966 15569 65273
06709 40795 80421 06741 75041 68763 49842 25814 11552 97133
51506 76267 01810 49379 81136 53859 84079 42591 79913 02722
61786 58946 32634 96780 45820 21230 38039 42401 29993 79466
93918 01557 82735 00484 37951 94275 88639 34353 84913 55787
55549 98950 13187 64067 93509 47204 78329 09664 72547 04508
15935 89479 54600 42716 37360 69558 02042 95062 24549 41065
44269 82846 89966 10311 52459 83229 17486 00820 95358 43583
64346 76721 30862 83991 89824 68520 44694 40924 78738 65612
10688 21305 19871 30506 76066 46504 67969 72626 65502 24460
24922 46399 67925 47522 05702 29911 95657 89531 18700 88485
62573 44529 55653 76795 65216 31923 74510 08516 50218 99432
40432 000 000

10753/9147/7637 kHz, 16-08, 2010/2030/2050 UTC

716 716 716 1 9511 53 9511 53
00248 98363 86303 33996 10548 31386 57866 37369 33951 96611
44075 99017 28729 32836 36697 90480 56896 30026 89701 19685
11694 85108 92780 83346 28882 82941 45037 09517 32701 27211
92537 16352 61275 98343 24936 20400 22198 36798 17098 47598
53984 87646 13934 79725 93137 24111 76608 34776 29577 49465
77223 13946 42096 000 000

13397/12197/10697 kHz, 19-08/22-08/26-08/29-08, 1700/1720/1740 UTC

316 316 316 1 369 134 369 134
24596 03488 11880 01453 81073 88961 11284 70238 11765 85526
66062 77919 54501 92516 74023 52611 04695 70996 99171 31490
10140 87009 17987 05681 32296 32841 39690 58070 13836 12742
59530 05763 63021 13693 86642 51414 77272 14673 14268 90117
21773 95848 14503 23961 57727 77642 30375 29623 05702 76722
94496 72976 34840 37931 12210 87152 79076 13012 10412 92185
38069 90183 33976 66372 03300 14969 28007 48632 98921 14171
80247 78447 19057 69018 83001 65576 79988 79334 58196 70068
80132 58187 42482 14254 88281 29845 65445 04031 03015 76902
94415 77113 79864 05364 37644 13144 14629 45667 68284 25710
32727 91841 40020 51564 23081 47290 80171 65519 62697 83460
79651 84412 23346 97863 69834 53580 63456 22012 82739 67849
45831 71772 48964 41968 90545 62290 29699 73787 11485 37849
43390 85162 42276 96726 000 000

16246/18446/19246 kHz, 21-08/24-08, 0700/0720/0740 UTC

242 242 242 1 343 73 343 73
26098 79899 12360 36028 20635 23200 89881 95480 74708 79818
72605 10216 75390 64008 11308 59832 45122 67720 04733 16864
13569 53340 63400 99718 34021 34004 12825 17052 44613 50257
98118 66078 41062 07782 47739 28296 76999 13654 59160 48437
74049 59114 24826 55240 01629 23679 29903 98588 31221 01620
70132 40763 67338 79664 23658 78662 54128 70869 56875 02540
61671 68724 04201 57786 56117 87816 59018 37710 02378 46817
52936 36003 53301 000 000

20146/18246/16346 kHz, 21-08/24-08, 1100/1120/1140 UTC

123 123 123 1 9339 73
57832 42769 69709 52054 10153 37057 60788 43934 74862 24369
55241 80170 76261 39000 27245 75205 87123 24150 66852 05824
49493 07862 86993 17589 94846 92657 92580 80530 53772 02517
16640 23580 72048 91676 11244 80295 09328 35003 56149 95999
82324 82399 28887 41236 61772 94282 23664 74580 92638 28183
38743 85832 25407 82322 69653 11873 56085 88996 98430 73285
64289 19904 32226 21509 23176 31622 41101 76686 07700 04155
04857 86742 24451 000 000

E11a

6304 kHz, 01-08, 0930 UTC

271/32 Attention
90162 83623 37623 37595 92666 93071 57081 57864 00768 14937
96418 20353 67536 38128 15300 31107 44762 54593 89975 66252
22879 98441 08752 51358 93060 50921 52629 56292 86870 21932
63257 82833
Attention (message repeated) Out

10429 kHz, 03-08, 0715 UTC

632/49 Attention

13402 21203 40821 72070 08808 71399 75709 32155 35813 62469
25526 36571 03907 97839 70524 15395 14656 01307 12495 46339
80431 99147 16020 93917 98044 59250 39026 56260 93251 31152
49825 26742 40428 70863 20150 50380 28662 47305 22484 17844
37581 52805 53075 17561 01675 69473 52215 86142 43516

Attention (message repeated) Out

7469 kHz, 06-08, 0450 UTC

8088 kHz, 09-08, 1730 UTC

416/36 Attention

30873 10248 50518 58293 43534 63179 87246 65559 92694 76549
61574 43306 10988 05488 06588 27082 36775 30590 01866 88159
11247 34042 18840 27416 57706 19261 23658 86024 88089 16986
61881 39356 58828 93910 37392 34300

Attention (message repeated) Out

5082 kHz, 06-08, 0820 UTC

434/34 Attention

03713 24983 13741 00722 92102 95458 50154 06257 84250 16613
57981 44868 38896 59185 25095 18584 05439 54559 76778 69914
24812 91436 09049 98823 07966 68111 10142 34570 97296 03419
01666 20294 37662 18482

Attention (message repeated) Out

14410 kHz, 06-08/12-08, 1745 UTC

242/34

91736 85658 10512 16485 78954 30009 09759 98959 71050 08560
60819 03038 85822 52708 09875 84199 92579 20670 34971 06399
84378 76522 31588 58768 52580 97020 81138 34504 41411 12826
95200 66406 88749 91014

(message repeated) Out. No "Attention"

6849 kHz, 07-08/09-08, 0700 UTC

573/34 Attention

87802 65030 53807 03710 99738 12396 99603 84579 00415 19634
29814 64208 30395 88981 38926 50380 18267 78786 82809 08055
39874 94773 04047 44930 22893 81453 69638 27346 49335 44755
44666 48845 73901 93713

Attention (message repeated) Out

6304 kHz, 07-08/08-08, 1205 UTC

466/31 Attention

86754 43174 47104 79453 02039 80903 51632 53317 58768 40153
76594 66085 09945 76770 27580 84736 76986 27949 19368 97384
55306 59338 47528 85236 12010 42098 58882 46170 24518 13978
46058

Attention (message repeated) Out

7439 kHz, 08-08, 0900 UTC

534/34

36766 87878 30521 89526 75686 29542 34670 44053 62682 12727
50272 05007 32546 29344 37543 41940 31437 64599 26194 21302
00699 27803 27505 09322 14335 32206 39231 02169 46644 52531
18195 30541 77942 29735

(message repeated) Out. No "Attention"

15795 kHz, 08-08, 1625 UTC

970/33

20796 67444 36783 11197 88593 34896 35340 71558 15031 91139
12458 56226 49410 82374 71168 24744 08036 69518 99176 06605
35168 26571 14061 44416 38742 99567 89294 10181 41240 30544
42988 58307 65350

(message repeated) Out. No "Attention"

14865 kHz, 08-08/11-08, 1705 UTC

399/32

40447 15551 75117 62892 68234 75705 06952 04618 64972 63826
84036 33071 06267 77928 39809 72868 30642 09867 39457 71725
58754 93865 53746 91042 69115 36689 12952 15672 34020 91492
73412 63517

(message repeated) Out. No "Attention"

5082 kHz, 09-08, 0820 UTC

439/34 Attention

03713 24983 13741 00722 92102 95458 50154 06257 84250 16613
57981 44868 38896 59185 25095 18584 05439 54559 76778 69914
24812 81436 09049 98923 07966 68111 10142 34570 97296 03419
01666 20294 37662 18482

Attention (message repeated) Out

11581 kHz, 09-08/11-08, 1300 UTC

587/36

02230 74589 79959 28994 72523 04461 90649 72148 05142 35564
21922 15216 91908 55740 43835 70526 34735 43329 09396 12739
12666 17583 86883 97347 67584 92345 87919 18121 77240 43063
81060 06554 51631 22729 70044 19659

(message repeated) Out. No "Attention"

15800 kHz, 13-08/15-08, 0640 UTC

945/34 Attention

68538 70563 76670 12988 02204 73737 33831 65462 28218 06343
47033 39764 70383 00324 84937 01350 88250 83846 45409 67088
86654 44450 65463 55126 83669 17670 17157 87682 24438 56703
77674 06416 55825 12586

Attention (message repeated) Out

10429 kHz, 14-08/17-08, 0715 UTC

631/39 Attention

87553 27652 10516 55194 12415 73152 03611 55545 23684 19747
58914 68864 91226 33122 71040 44999 54230 92116 63721 46993
85938 69212 38654 94386 02427 42350 68984 29517 37790 73780
94749 99692 47706 62202 06704 53838 42053 23673 66802

Attention (message repeated) Out

12397 kHz, 14-08/17-08, 1000 UTC

306/39

14926 73120 88078 52320 32217 08849 43312 35898 55658 81414
50741 80892 22611 77015 52222 45316 80074 87276 98872 60804
50826 71549 23036 10814 49054 53575 19512 37643 89975 67661
34803 95179 42233 44788 88684 30288 17088 84763 96563

(message repeated) Out. No "Attention"

14575 kHz, 14-08/16-08, 1645 UTC

330/36

87771 63190 74545 25251 60599 84869 06564 47252 27942 01196
21289 77173 22500 70550 24925 14580 14586 75802 04685 57010
66767 67257 21470 19732 33999 26305 09479 07741 56156 18507
95869 25593 98016 87907 76454 74323
(message repeated) Out. No "Attention"

15720 kHz, 15-08, 0745 UTC

343/40

73356 07613 44713 56321 38772 10507 54634 70037 52847 03278
79431 09414 17051 55135 69278 60604 48500 09707 80312 26532
72609 23390 70616 04203 17753 50202 93891 09835 93623 21504
58862 67199 85739 66443 36299 54806 51320 92124 44944 20179
(message repeated) Out. No "Attention"

17378 kHz, 15-08, 0820 UTC

132/37 Attention

45857 23620 34723 57117 44402 81958 33580 12791 76413 54434
54661 92960 75445 35436 36366 47394 20469 05102 66439 99842
84835 36677 80608 91564 94619 29259 69291 95820 94975 18723
60682 84108 39863 27277 76994 93532 43616
Attention (message repeated) Out

7984 kHz, 15-08/18-08, 1730 UTC

405/40

86053 56126 12950 10498 09630 81815 10543 51127 13450 52841
13829 24926 97322 10986 86845 93632 26660 54558 71522 06069
94345 92215 71229 24713 21804 10205 47804 07979 84119 53943
85957 36211 46558 73312 50287 77059 43323 65070 43622 75922
(message repeated) Out. No "Attention"

9610 kHz, 17-08/19-08, 1910 UTC

612/39

98472 27751 79680 23696 77158 20833 42953 70207 97332 51270
07466 77429 55483 50201 26504 14268 95012 96070 89619 06309
04841 96181 62094 31346 73404 72806 59930 54341 25969 18143
78614 92295 00488 18730 67202 53320 77249 02280 73754
(message repeated) Out. No "Attention"

9130 kHz, 18-08/19-08, 2005 UTC

360/31

30644 72392 27835 84480 97350 90339 88569 51376 91912 66613
80439 85558 66700 64627 00476 06640 42039 12266 82440 09440
92450 73868 93972 75945 63879 70170 16288 80778 01116 74019
06616
(message repeated) Out. No "Attention"

4 unscheduled transmissions copied by Avare:

9668 kHz, 20-08, 1045 UTC

121/10 Attention

77875 67868 67767 87678 46738 69589 58600 00478 73785 86775
Attention (message repeated) Out

9668 kHz, 20-08, 1100 UTC

42216 Out

10170 kHz, 20-08, 1110 UTC

121/10 Attention

66458 73767 78874 67875 67664 55456 44432 30101 77615 65355

Attention (message repeated) Out

4146 kHz, 20-08, 2100 UTC

121/25 Attention

34461 57984 74521 35253 46547 98912 13216 87786 13215 64687 52154

56565 45877 99635 32145 39562 15452 25889 63325 47889 96521 45545

78756 65787 54987

Attention (message repeated) Out

7600 kHz, 20-08/23-04, 1900 UTC

649/31

12211 78725 58051 82479 70605 81808 58601 60798 91514 00536

47862 14708 33017 01701 15007 78676 08051 12029 11884 51061

19710 50429 40064 59300 76280 46454 19945 37095 90991 11519

60430

(message repeated) Out. No "Attention"

15825 kHz, 21-08/25-08, 1345 UTC

918/39

61194 98267 68049 15012 58148 28617 59165 81356 76023 85718

99445 73578 66086 80446 30724 26869 34373 98247 78512 05810

95071 88557 89356 47444 37309 26771 57894 43075 83047 11987

99433 84946 38916 69349 96829 20169 90720 70431 59097

(message repeated) Out. No "Attention"

4783 kHz, 21-08/26-08, 1605 UTC

237/37

40577 10638 75465 64900 25972 90054 89855 82319 55230 31557

97141 25155 12294 59444 38302 31043 67410 89599 94700 30428

61074 86036 68285 46940 64546 54555 53692 34554 10714 34463

06000 53887 23672 02353 27889 96192 90438

(message repeated) Out. No "Attention"

14940 kHz, 24-08, 1650 UTC

927/39

79304 89510 54973 64185 77478 75478 62687 22056 46708 80246

96237 04517 66899 29128 81663 12996 33487 33575 94449 67391

71838 90557 47017 97631 00792 21491 73522 22790 01348 39733

51019 68929 30774 56511 47552 25932 32968 11710 42219

(message repeated) Out. No "Attention"

6480 kHz, 25-08/26-08, 0710 UTC

496/35

86980 06077 32010 42125 71591 75721 06592 33908 18415 73939

90622 14570 00725 59609 25454 00963 05300 28139 44380 83367

09030 44413 39433 75294 51173 25300 15180 18414 29247 68893

79688 23097 10614 58510 55360

(message repeated) Out. No "Attention"

9079 kHz, 25-08/26-08, 0805 UTC

310/35

44563 00505 29108 18142 66466 65558 36986 07046 81364 33001

66370 38736 01150 90007 67243 90932 77665 97788 18826 98571

14096 98005 86200 84029 21071 30353 47517 54477 16033 45133

22967 41805 48769 98993 58265

(message repeated) Out. No "Attention"

9610 kHz, 27-08, 0745 UTC

10356 kHz, 30-08, 1530 UTC

269/37 Attention

02005 02083 18594 89156 78285 13285 45480 00375 71548 46548
68485 42927 85400 82534 15606 82739 11183 50097 20218 25782
72882 84164 78859 80136 18316 85651 92193 25040 31727 22903
76292 48354 39852 86164 58586 38151 15152

Attention (message repeated) Out

8545 kHz, 27-08, 1045 UTC

696/22 Attention

74047 08063 20345 27888 24635 76943 88244 23683 95870 17048
92047 21293 98372 92003 31073 41784 70419 39232 35898 71770
26214 54572

Attention (message repeated) Out

13537 kHz, 27-08/31-08, 1225 UTC

527/38

36693 94950 05142 58560 00084 96795 48041 72326 28224 96635
92167 03572 12927 01952 09912 20779 59983 27017 90143 15068
16516 95667 71767 53260 87529 72737 45379 99642 20054 29320
82845 54098 92435 55746 35926 86089 91926 27776

(message repeated) Out. No "Attention"

12202 kHz, 28-08/30-08, 0845 UTC

154/24 Attention

02783 45527 36832 09266 30456 96073 63506 67906 67488 31888
75937 89389 80892 15380 02599 64234 39562 61362 65201 45078
98772 35848 02506 19900

Attention (message repeated) Out

11581 kHz, 28-08/30-08, 1925 UTC

551/34

53784 72757 05223 35351 57125 41194 16220 91261 55678 69793
70548 68617 10566 09732 80990 57597 35246 87923 46324 15638
59277 58761 63750 23506 27964 34085 50092 39073 72823 43507
60323 54519 12843 59668

(message repeated) Out. No "Attention"

13424 kHz, 30-08, 0645 UTC

517/32 Attention

94756 54779 06306 63769 03071 00393 79017 46751 26420 43503
23295 19865 13050 18406 59192 30220 55548 98089 98600 74235
50408 40256 79540 02587 35729 21199 42375 47959 14775 05804
52659 93767

Attention (message repeated) Out

E17z

16780/12850 kHz, 02-08/09-08, 0800/0810 UTC

674 231 5 84523 60543 61462 84040 39493 231 5 00000

16780/12850 kHz, 16-08/23-08, 0800/0810 UTC

674 803 5 91458 83723 92688 45952 21431 803 5 00000

16780/12850 kHz, 30-08, 0800/0810 UTC

674 674 674 00000

10240 kHz, 30-08, 1455 UTC

8080 kHz, 30-08, 1520 UTC

274 598 31

66215 34911 62498 57463 87263 91923 54965 94860 73400 78212

36568 51592 95182 52336 92599 17654 51660 15229 35838 13158

97043 78129 31719 61052 97396 67263 23421 73898 80721 24009

50905

598 31 00000

G06

6887 kHz, 09-08, 1758 UTC. Early start

6887 kHz, 23-08, 1830 UTC. Windows shut down sound after the transmission

842 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

5935 kHz, 10-08/24-08, 1930 UTC

218 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

S06

16327/13875 kHz, 02-08/03-08, 0830/0930 UTC

842 560 31

71670 21653 26488 21193 51962 40121 17836 42802 33481 60688

13551 25895 72233 74294 97889 14589 77932 50184 95474 98951

10770 13516 28068 42667 38444 24237 77708 42418 51873 49418

17120

560 31 00000

16327/13875 kHz, 09-08/10-08, 0830/0930 UTC

842 917 38

49474 23229 44467 48153 54961 60398 17159 36767 78390 52294

15130 42803 08137 92133 36178 88827 99885 47576 39759 52950

23353 78079 52543 90370 38796 61195 18605 78079 89243 97463

42679 24881 19382 48622 99919 13946 57047 88786

917 38 00000

15721 kHz, 20-08, 0400 UTC

480 975 60

38707 94161 61337 35438 65537 81402 49617 70315 72826 10002
91570 65780 33244 00512 50970 20762 16709 53865 64192 50701
43260 59495 99577 78137 04785 47704 37994 29269 16518 90942
98029 53644 84282 83717 54243 09190 98369 55791 21925 79757
90034 98372 06800 17384 11516 07983 43104 26433 25532 77680
68486 31831 15189 90351 09151 98568 50229 93715 73704 94653
975 60 00000

15721 kHz, 22-08, 0400 UTC

480 375 60

10772 68146 43009 94705 52214 20581 19852 95136 49805 57481
07990 48435 51516 02972 24309 95354 17737 17072 34310 65436
81294 64586 40317 36763 40010 46593 82656 60665 73942 55469
58534 74797 04549 39381 88257 53036 37908 87195 83517 65632
59222 69732 97507 58046 70779 98300 60867 01924 90549 86464
35239 76632 53625 25958 35629 04801 83667 12714 04749 90299
375 60 00000

15721 kHz, 23-08, 0400 UTC

480 692 50

89964 62931 29095 76256 67239 90346 33393 43930 86811 45699
54948 62271 64477 29333 77285 32975 03989 11454 83630 08171
21050 20839 44226 45788 13887 66471 68208 87681 47594 28004
99721 58932 44440 76021 62951 11795 97306 08018 85778 62698
48470 11041 56728 95756 00902 86924 94916 31221 54267 01068
692 50 00000

16327/13875 kHz, 30-08/31-08, 0830/0930 UTC

842 695 30

02000 37770 55867 19254 09121 90223 15175 64949 03202 87766
34167 94340 12440 96057 39561 08078 50419 09663 12357 27060
76095 70696 74821 96084 55823 97721 28734 43857 07125 23345
695 30 00000

S11a**11092 kHz, 01-08, 1540 UTC**

564/32

77273 43978 19403 32769 40904 91688 43437 39855 85854 03170
49499 33977 43705 93550 12879 40563 74142 10407 76413 69371
22266 83695 92860 11045 00181 33419 09802 61784 69749 60032
02000 84268 (message repeated) Konets. No "Vnimanije"

5149 kHz, 07-08/10-08, 0455 UTC

329/35

34619 56949 65177 06362 93993 67811 40815 12248 52787 40545
68848 24582 29690 83847 66741 38605 81755 02943 55353 45326
04067 98203 20591 64469 54848 79860 31934 48658 58347 21250
36085 58478 78972 08537 02780 (message repeated) Konets. No "Vnimanije"

10210 kHz, 09-08, 1015 UTC

471/34 Vnimanije

68555 74347 46297 67423 41611 86750 17397 18996 88598 75849
81091 62772 01827 42577 89219 19151 94227 43317 88639 35446
42489 82552 05868 84747 23977 95678 37992 00787 67470 78310
26690 05068 87096 46007 Vnimanije (message repeated) Konets

6977 kHz, 21-08/24-08, 1020 UTC

421/36 Vnimanaye

05144 29899 23760 83483 12891 30650 66295 90318 26465 20346

48925 03476 37631 32727 20377 16737 83206 82691 00485 83392

49436 59943 50490 80639 20643 59889 65299 28953 11730 61381

47024 45408 28964 03959 85675 72624 Vnimanaye (message repeated) Konets

12457 kHz, 22-08/25-08, 1850 UTC

286/39

60967 57497 38732 84381 35498 31906 65330 89189 28707 69327

09128 35674 22103 68104 62946 35064 03197 88468 70396 01452

97544 98367 03364 53279 26264 91004 44724 39715 42315 71720

69338 47047 14481 32115 40581 26434 98986 34919 34736

(message repeated) Konets. No "Vnimanaye"

4870 kHz, 22-08/24-08, 1955 UTC

373/31

60189 58425 58558 22032 60022 69332 10622 84167 88174 96319

26515 86979 26023 85584 08255 22082 88157 71207 15337 22722

22979 05752 53591 34850 29634 60680 17504 57624 19188 16133

72094 (message repeated) Konets. No "Vnimanaye"

5737 kHz, 22-08, 2050 UTC

486/31

54113 24168 94154 62552 22418 28234 29562 74146 63591 57179

22938 07109 43817 90394 64713 22049 79065 11470 48566 34202

20427 81010 14636 43963 47091 10491 75522 39108 12971 35024

06483 (message repeated) Konets. No "Vnimanaye"

V07**13563/12163/10263 kHz, 12-07, 0700/0720/0740 UTC**

512 512 512 1 8839 53 8839 53

78048 28041 60631 05205 61379 32663 50705 12938 99057 59864

35264 65536 00535 99861 16666 00062 23220 05038 87975 23837

93818 05578 60826 69878 53102 25914 56455 40617 23145 94565

31993 85108 27105 31382 36099 38709 94623 89248 41850 21750

18311 00670 68954 73541 25900 08719 05790 17057 02414 24704

24243 61760 47803 000 000

13563/12163/10263 kHz, 26-07, 0700/0720/0740 UTC

512 512 512 1 454 79 454 79

04835 46902 13238 06519 01309 45670 03710 55135 38186 37676

08006 49821 46194 69742 99124 15033 57606 95371 97997 46446

12252 87834 94887 04815 92335 49019 77564 58636 12909 42883

32538 60522 63865 63523 43569 33116 18135 87263 43180 23238

45624 81969 96563 91869 09816 43439 87821 01313 75723 51736

34904 74846 33714 73805 78341 66764 17283 11432 24870 84918

05548 65483 72040 80269 51835 29760 50936 10840 70946 29247

79508 96773 28564 23342 73566 08736 68043 25832 82608 000 000

V15 via PBS Pyongyang Pansong

3320/6400 kHz, 18-08, 1445 UTC

North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean

Recording: <http://www.numbersoddities.nl/V15-2018-08-18-1445utc-6400khz.mp3>

657//3320//6400 kHz, 23-08, 1545 UTC

North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean

Russian Far Eastern report

Russian Far Eastern E06/S06 schedules

By Pierre Ynard (priyom.org)

August saw some troubling changes in the far-eastern group-count-cycle network, made up of E06 ID 537, E06 ID 361 and S06 ID 842 schedules.

As indicated by the name we gave it, group counts of messages in each schedule regularly increment by 1 each week, in a smooth and predictable cycle. The group counts used by E06 ID 361 and S06 ID 842, both transmitting on Thursdays, are even synchronized together.

This pattern has been steadily going on for years, and everything was still running smoothly in July; but starting with the first transmissions in August, that characteristic behavior suddenly stopped without warning.

Here are my logs.

E06 ID 537 (Monday/Tuesday, 0210/0310z)

July 30/31:

537 810 34

80730 02706 46494 24870 88245 59324 94224 33873 20856 39536
77090 37218 82567 72533 61831 47489 05709 42003 52112 84152
68355 17005 61659 33003 60286 25521 00776 72494 83425 00379
24683 09165 97677 52213

August 6/7:

537 968 42

30520 21812 83355 68444 65646 59886 44412 19641 13600 71514
21929 04399 24715 71051 76031 40112 44831 57001 20801 79986
28907 23855 02205 96399 26608 33788 75328 60858 50808 02907
54376 87712 64939 81739 33852 33837 50120 34644 04377 71446
38013 47838

August 13/14:

537 124 36

92632 19869 78247 51637 03740 03345 88330 30721 68176 99004
76130 27658 94804 03104 57556 70218 38575 45834 35800 10470
15362 59269 09776 10728 50487 13756 24844 40938 84385 39955
51763 17176 83825 78711 04800 35935

August 20/21:

537 680 45

40844 48401 48656 44334 30018 96299 48985 03569 81225 62938
12430 58278 73347 72189 80689 03652 90807 63526 12929 19474
27325 54545 17119 20579 06953 89905 13511 67955 08344 06391
78666 82681 03164 68763 43507 29876 44619 56113 43788 64858
67008 03380 46466 58710 82247

August 27/28:

537 129 46

02890 35118 43737 72483 10802 31987 94211 53435 48217 31074
93340 85819 85134 47188 14272 05854 30062 34958 65571 08493
93390 99443 13045 00277 70398 04898 92278 05798 92315 23850
22845 82459 18898 93727 60101 23235 70937 73160 45524 52091
26160 15203 41523 41785 26931 99620

E06 ID 361 (Thursday/Friday, 0300/0400z)

July 26/27:

361 975 40

23426 85382 34669 83737 92756 33816 31739 73582 14360 53235
33403 42539 51290 43452 36452 38210 34806 01956 09264 82145
45963 75590 68942 49296 81663 34596 70278 06563 16134 23703
79963 77607 93732 69959 34491 26125 14059 51993 05191 74753

August 2/3:

Unable to find and receive it on any of the slots.

Unsure what happened.

August 9/10:

361 428 35

18250 33327 03202 68788 21663 55089 14291 29678 23538 02678
98688 60786 08950 00477 48303 46627 00343 35089 43100 96772
69286 57896 82640 97290 62400 58418 71625 32196 77373 88155
57869 67112 50015 39617 46171

August 16/17:

361 597 42

70761 28431 39831 99420 71959 40843 07342 30929 32782 28835
04089 85626 96126 70147 10067 94900 51043 45551 81728 79077
64463 91248 82789 45191 88816 30689 12007 69617 93955 27950
38866 20266 96834 29895 83113 97997 87387 89290 99081 01982
74026 86061

August 23/24:

361 205 48

29473 00748 66203 10213 95489 80856 91785 37835 04698 45177
18745 69239 93886 97545 40749 20208 54142 29315 69132 95231
22060 69131 50510 19367 57758 66786 54818 22138 83158 78346
69683 53186 78950 44732 62091 34331 63685 80948 93273 77757
03443 18144 97753 25000 25492 65686 62488 86409

August 30/31:

361 572 36

18846 27979 52234 04841 41554 03613 81776 14016 17698 50410
19886 93832 06376 58078 61165 22644 01087 77782 54779 87952
22720 05834 16634 16043 11465 62003 14697 67338 47337 10902
69653 08414 54009 99862 38073 96609

S06 ID 842 (Thursday/Friday, 0830/0930z)

July 26/27:

842 379 40

95268 60376 18827 01830 26568 03800 07206 83145 45786 40728
84214 70928 02999 41239 73746 27206 96114 08719 36945 53757
89376 16109 72193 85832 50705 36399 86300 41829 68838 72032
60315 46109 36179 12940 58408 67161 08318 77859 53258 38263

August 2/3:

842 560 31

71670 21653 26488 21193 51962 40121 17836 42802 33481 60688
13551 25895 72233 74294 97889 14589 77932 50184 95474 98951
10770 13516 28068 42667 38444 24237 77708 42418 51873 49418
17120

August 9/10:

842 917 38

49474 23229 44467 48153 54961 60398 17159 36767 78390 52294
15130 42803 08137 92133 36178 88827 99885 47576 39759 52950
23353 38079 52543 90370 38796 61195 18605 78079 89243 97463
42679 24881 19382 48622 99919 13946 57047 88786

August 16/17:

842 365 42

62809 73726 45651 45496 38541 61353 30854 18103 90678 48338
01092 64892 97862 26506 83526 36897 66296 57111 10675 02913
46089 96343 66683 74666 25833 11949 89180 09815 16340 45648
00133 59955 59468 01050 64135 55855 22992 61731 97588 47068
67444 69189

August 23/24:

842 107 44

67051 85803 54019 95509 70783 39979 43789 45369 57853 27768
62791 30029 76171 28341 79999 34958 31081 33432 54155 29227
19779 63175 31712 48982 17391 40249 36278 38420 50647 01996
48011 40489 20098 55234 96380 54468 56789 03419 14757 02643
24362 00863 30240 73237

August 30/31:

842 695 30

02000 37770 55867 19254 09121 90223 15175 64949 03202 87766
34167 94340 12440 96057 39561 08078 50419 09663 12357 27060
76095 70696 74821 96084 55823 97721 28734 43857 07125 23345

In summary, the group counts that I was expecting according to the predictable cycle, would have been:

E06 ID 537: 34 ? 35 ? 36 ? 37 ? 38

E06 ID 361: 40 ? 41 ? 42 ? 43 ? 44 ? 45

S06 ID 842: 40 ? 41 ? 42 ? 43 ? 44 ? 45

But what was actually transmitted gave:

E06 ID 537: 34 ? 42 ? 36 ? 45 ? 46

E06 ID 361: 40 ? NRH ? 35 ? 42 ? 48 ? 36

S06 ID 842: 40 ? 31 ? 38 ? 42 ? 44 ? 30

I have no theory to explain this. I wish that there were still some definitive discernible pattern - maybe it will emerge later; or that after a bumpy August, things will just go back to normal; but only the next weeks will tell. Note that so far, messages apparently still use the same 30 to 50 group range, through which they used to cycle. If anybody can spot something I missed, I'll take it.

It would be sad to see this clockwork oddity go!

MORSE STATIONS

M01

5280 kHz, 02-08, 1800 UTC

025 195 195 30 30 =
90845 32279 52964 54159 59834 13680 26913 02183 78546 54345
61314 77612 70278 47209 59309 91359 19439 18003 40591 31894
12669 93296 16333 77992 64111 95480 80323 12256 14697 03636
= = 195 195 30 30 000

6780 kHz, 12-08, 0700 UTC. Long zeros

025 220 30 220 30 220 30 220 30 220 30 220 30
83349 03527 92792 01573 29030 26730 82120 63583 15170 52501
70335 54014 15050 71632 33349 55307 76866 14632 28510 09419
61892 07866 44157 85100 91985 88231 35903 98766 31848 42546
220 30 220 30 000

5280 kHz, 14-08, 1800 UTC

025 793 793 = 30 30 = =
60279 73982 24307 68341 55180 84346 75127 72804 69961 09333
86588 02625 52290 75266 74655 57464 22348 29717 79750 96194
53577 98633 78395 04870 79911 16458 89989 91181 83292 02205
= = 793 793 = 30 30 000 Long zeros

4905 kHz, 14-08, 2000 UTC. Very distorted signal

025 173 173 = 30 30
66205 25506 91116 34675 19032 54899 95246 34234 83204 81674
76529 18654 09371 09285 03256 13870 16832 30838 07409 39085
34090 74912 13732 76970 00323 02269 52754 85887 81080 94253
= = 173 173 = 30 30 000 Short zeros

6435 kHz, 18-08, 1500 UTC. Error in header

1 71171 = 30 30
45889 79813 95246 51611 46997 46987 83048 59248 37278 86654
25391 46131 26872 08919 72797 64599 63801 08071 31104 68894
57223 62714 77372 78714 59416 68448 61483 81515 03390 04634
= = 171 171 = 30 30 000

6780 kHz, 19-08, 0700 UTC. Different repeat in gr 9)

025 315 315 30 30 = =
13810 89839 58340 91764 54496 37927 75725 24311 01100 (112) 56195
43085 92698 70020 14246 87136 96868 05922 58704 58266 88998
57296 27726 60472 63658 12574 76195 42269 77439 32182 03710
= = 315 30 30 000

5280 kHz, 23-08, 1800 UTC

025 421 421 30 30 = =
11496 55469 68111 10824 56972 77424 40438 55079 27590 79392
96470 80615 87959 91920 78342 92378 38583 30706 98271 24037
82709 72280 33265 07854 19957 72422 86794 00106 81725 19723
= = 421 421 30 30 000

6435 kHz, 25-08, 1500 UTC

025 178 178 30 30 = =
 11496 55469 68111 10824 56972 77424 40438 55079 27590 79392
 96470 80615 87959 91920 78342 92378 48583 20706 98721 24037
 82709 72280 33265 07854 19957 72422 86794 00106 81725 19724
 = = 178 178 30 30 000

6780 kHz, 26-08, 0700 UTC

025 987 987 = 30 30 = =
 42087 02881 92565 02670 97588 91980 76693 28925 56713 68600
 84933 50690 69430 69848 17972 28957 17300 51135 65395 47020
 56007 23065 05090 69543 16298 05779 89236 40864 73319 97325
 = = 987 987 = 30 30 000

5280 kHz, 28-08, 1800 UTC

025 227 227 30 30 = =
 83778 83541 52353 71934 74140 66634 79083 01255 30823 78819
 66524 99010 93741 78863 50955 61380 45395 24436 38541 10479
 38768 03698 75062 13987 31917 71087 57747 07072 22193 74501
 = = 227 227 30 000

5280 kHz, 30-08, 1800 UTC. Error

025 217 217 30 30 = =
 27997 31326 55008 53626 40606 05938 16882 30618 78885 28767
 19678 55406 18718 38689 62523 90191 53643 01915 56164 97426
 42464 39492 65196 93551 79787 31660 8558 38255 82343 27286 86370
 = = 317 1.6 000000000000 317 217 30 30 000

M01a**4541 kHz, 08-08, 1433 UTC**

252 800 34
 252 812 35
 040 01
 111 000

M12**8123/6923/5823 kHz, 01-08, 2100/2120/2140 UTC**

198 198 198 1 4083 51 4083 51
 73445 39328 95537 65223 82807 23372 07882 44490 86637 25436
 45037 97838 67032 56054 07177 51263 13507 47651 01356 15758
 19210 46658 26872 13771 51589 42043 49428 03053 61165 11006
 16183 28236 95662 20369 64639 87195 00592 39228 17900 51202
 34452 74914 78776 82406 93577 61334 91495 18756 95924 89049
 17846 000 000

14377/13461/12114 kHz, 02-08, 1700/1720/1740 UTC

317 317 317 1 3802 110 3802 110
20570 58082 84652 34471 62835 24884 63171 14389 00900 80909
09862 04518 47483 39087 26464 36555 01435 90583 78864 11823
69891 86255 60515 83607 48001 74391 46749 51616 48719 42782
81668 93391 06280 36154 10408 59862 70508 14254 31100 02275
29674 54615 07463 95132 52638 18047 63055 22917 90177 20791
91048 95800 64575 50236 76240 48247 25756 00038 79072 90774
10138 10456 25271 11894 08224 43038 89564 79690 85982 56498
31880 84965 32720 16620 67204 84035 42423 96767 91020 03958
13363 31031 19077 55673 34651 83885 22487 12546 48002 93688
12830 19774 19439 87826 10715 33378 43274 44193 95567 53197
20435 89946 12844 42900 62300 12272 31635 35458 56304 39912
000 000

10343/9264/8116 kHz, 02-08, 1900/1920/1940 UTC

124 124 124 1 9154 128 9154 128
31466 42822 23483 41417 18145 06385 58727 61008 41596 70238
73573 90139 06379 30419 12761 00664 42712 82218 54254 38027
73239 91761 60478 78657 09167 29239 13110 13779 78287 93631
57914 78666 61637 41308 06427 90628 05232 03567 57102 17328
84202 91576 53574 86573 85908 47866 50986 93651 43901 48543
51562 16819 27079 33890 69428 65094 97199 42775 82464 37347
73710 70647 51664 24268 94041 74826 14084 77822 52765 33059
35490 83781 04263 09304 15921 61596 74043 71798 37484 19313
13984 28291 74974 23668 77267 27918 06337 21750 04615 73410
35092 73003 47947 17107 51423 68079 72027 20754 49949 55747
87423 56618 33602 30181 89804 35229 97608 31058 48013 08837
71850 00379 79830 45939 68566 68711 54570 14358 79887 08330
70194 14717 19194 57982 91401 39372 33381 03580 000 000

9167/10267/11567 kHz, 04-08, 0500/0520/0540 UTC

125 125 125 1 4083 51 4083 51
73445 39328 95537 65223 82807 23372 07882 44490 86637 25436
45037 97838 67032 56054 07177 51263 13507 47651 01356 15758
19210 46658 26872 13771 51589 42043 49428 03053 61165 11006
16183 28236 95662 20369 64639 87195 00592 39228 17900 51202
34452 74914 78776 82406 93577 61334 91495 18756 95924 89049
17846 000 000

15983/14683/13383 kHz, 06-08/08-08, 1400/1420/1440 UTC

963 963 963 1 6898 157 6898 157
18943 00743 23933 18186 01908 68018 39188 66173 16851 41024
91067 32498 76412 47555 00353 06389 80483 32283 23466 83636
07437 57386 38176 51436 17780 78077 88824 02140 54349 86400
40945 54610 98879 81395 69759 77463 45793 33304 53534 89555
53386 31362 53099 51019 06680 94110 01593 17309 58974 80455
75967 27185 78706 06109 75777 39234 92751 35627 66944 75618
71774 22159 16870 67054 54762 01139 77546 01864 78433 17686
77293 27146 16640 65748 60139 91359 24352 39361 04968 25903
30176 71605 33418 10829 63835 22055 39205 22236 81796 39459
97600 05325 45473 58367 50676 09982 56816 47477 18432 60508
25335 43799 94794 87992 33718 47465 88926 49236 19928 47181
32364 01282 82345 58069 30740 23196 02907 48808 50143 09998
79384 23384 04839 19454 77428 96963 65351 88579 40561 02945
32129 46573 55703 21110 50808 86668 82683 38787 99264 83384
59965 08852 77347 42492 32476 45889 59029 86844 97673 20294
57090 56955 91322 77910 57913 70465 28008 000 000

8047/6802/5788 kHz, 06-08, 1800/1820/1840 UTC

463 463 463 1 6928 94 6928 94
16132 54430 92376 88716 78880 13110 71615 05317 77575 02079
25313 40978 50436 92237 41517 22410 03449 37179 73159 00618
97125 57942 61676 53360 29455 01001 33961 06033 16167 65292
20084 69957 14617 75415 80346 78698 05848 74202 71053 44708
08922 17633 70040 71636 14104 29939 11486 85765 57431 90862
32565 31542 65286 14852 47103 47594 80939 09207 64735 88968
45525 94364 30234 53895 52127 09033 93772 74329 53174 96126
74633 76032 88874 42039 43316 06215 14569 22541 97103 04279
01390 38605 11112 20127 82826 38634 33250 90117 72797 90581
76682 68848 42613 32747 000 000

10343/9264/8116 kHz, 06-08, 1900/1920/1940 UTC

124 124 124 1 7055 109 7055 109
04560 25082 18073 19214 91944 06814 74065 34962 04947 71698
92511 59122 79700 17129 31396 05097 50527 06587 01919 63657
82297 02390 97886 41018 69419 02379 97260 59940 59725 85138
89772 37951 82477 67160 53031 30121 10914 91468 25499 37198
26199 31740 75327 32089 42632 64453 62513 06668 72050 34405
60917 87919 46952 97228 49542 17635 48861 29423 63658 96605
09239 94901 06119 16954 66286 18622 60015 69028 24421 52651
06634 54955 20643 70298 06034 74148 88993 49026 31107 20627
73530 87410 90189 88415 87189 85393 21508 78733 22990 18917
45174 18385 08952 15931 35536 42621 56678 72362 23873 42586
30122 12135 33086 71532 70167 95226 86458 40884 19734 000 000

12193/11093/10293 kHz, 07-08/09-08, 0500/0530/0540 UTC

122 122 122 1 563 69 563 69
13346 65543 20952 03628 07257 72809 81999 29671 77358 90271
26735 28298 58912 40141 47411 08337 30767 59736 54254 71507
38845 12670 17087 72921 13757 87760 60290 04999 42459 63393
40291 94895 29733 18933 71169 74905 24302 39435 07038 31356
13058 65945 04182 63764 50976 48775 39864 84885 38360 76245
20355 53110 21422 24148 76412 57360 03741 35207 04589 93978
67255 82838 49236 07629 03651 95201 53063 51568 32699 000 000

14377/13461/12114 kHz, 09-08, 1700/1720/1740 UTC

317 317 317 1 1341 109 1341 109
96109 89314 51335 78531 89676 19479 42749 89739 41272 94424
24533 57817 32712 29308 49744 55078 44992 97559 89785 97329
14511 30602 38209 86747 08879 42612 68070 01126 13414 51073
67144 67642 45318 84895 95850 32254 40317 36405 49856 96223
93878 17803 20722 14346 70843 64978 85985 08095 02800 75378
47722 95133 79259 37087 35491 35520 89231 47790 66891 99739
27144 22807 45810 79616 59196 59247 48861 62090 81185 29044
39293 50910 47611 51914 01362 22912 90996 87667 10108 74959
13913 27736 43210 58133 71862 26514 29822 32318 23645 38148
68512 46442 11953 12822 46149 55792 05986 66227 71099 98069
88092 91939 70379 96139 55148 68364 01646 93721 76314 000 000

10343/9264/8116 kHz, 09-08, 1900/1920/1940 UTC

124 124 124 1 3587 115 3587 115
42305 42683 83313 09712 56542 29229 05771 61320 07934 17357
15237 25245 62605 28281 64948 27415 55106 42789 53074 36748
70089 67290 90782 31037 36256 85859 57172 06195 05044 81480
75361 07447 94119 02524 51193 33733 84735 51921 46243 80310
94063 70468 68386 28717 10237 62699 07660 69978 51172 46643
95650 54553 23039 52331 95729 35705 21743 88456 94103 41712
65879 61155 35380 71765 11019 99375 52812 10914 28450 26631
76547 12171 98494 14169 67798 52572 35833 82427 55883 91102
13416 95857 02338 03800 43993 64387 19558 74157 19995 47868
15958 98071 45316 34964 05533 71492 78209 39509 48057 85972
70881 02047 26507 30589 36108 77505 51411 67374 09672 70469
63674 27791 66555 64940 17841 000 000

8047/6802/5788 kHz, 13-08, 1800/1820/1840 UTC

463 463 463 1 8888 96 8888 96
95358 62498 37071 39371 97287 10851 70524 50315 95053 88983
17126 12733 93149 32948 86811 22768 80085 75801 87216 54828
55305 75346 92845 63833 20733 45862 84270 99851 13035 46625
47129 35087 38174 52722 55686 86836 84884 72992 13387 96702
17524 81355 79809 37588 33800 49159 38024 13147 78476 82090
24723 78197 54833 30706 04587 07757 90931 17013 59307 18140
47106 61696 86414 04238 11708 94383 77178 48250 13928 69907
88275 83658 50765 86788 54030 85962 06737 98636 62514 92814
85452 14770 13201 98574 25685 14286 68588 61296 41953 63317
67170 38002 44561 25088 16188 74511 000 000

10343/9264/8116 kHz, 13-08, 2000/2020/2040 UTC

124 124 124 1 7440 104 7440 104
71482 35920 11816 90643 44877 01507 85496 64891 09068 98491
94632 77135 67513 22275 57050 88662 04764 55904 52420 28846
87691 09280 96522 48319 58792 39706 54488 14835 86338 98961
88523 98932 48785 61162 56338 47222 14976 33596 85303 76899
75177 87242 75073 05540 42678 13024 28274 18015 34331 28281
49404 61859 89822 69126 56440 99638 65785 25639 24949 64995
47068 90498 61852 91682 51186 95016 39293 15828 47810 72554
30538 65352 93348 76062 29052 11052 41210 16524 54995 04944
15791 87496 27535 86729 65392 67315 35892 95325 27806 18631
12423 68888 16725 05049 66011 23784 54529 49437 69947 45826
13131 72022 53849 03371 000 000

8123/6923/5823 kHz, 15-08, 2100/2120/2140 UTC

198 198 198 1 563 67 563 67
24528 31737 37118 77589 49585 55991 14396 76550 09334 31454
82348 86208 16623 64655 41759 27441 74901 06343 56901 75306
50897 66664 59707 64668 64048 07301 10735 71007 39960 62575
90825 52790 22534 83175 37060 95520 00135 36073 92337 00128
66366 40076 55659 71286 75041 68805 99840 14562 19634 31033
38886 40010 60126 55121 65255 52264 19135 70158 06870 51594
16997 92584 39893 57557 76708 00758 16952 000 000

14377/13461/12114 kHz, 16-08, 1700/1720/1740 UTC

317 317 317 1 2009 103 2009 103
76094 47568 36523 61872 34465 17232 19223 28173 18502 25769
43979 76609 28985 89125 96075 63382 51626 71835 86776 87939
26653 08551 84022 10059 36182 67896 35077 25092 25839 74878
38059 95154 34220 32297 12479 97240 51124 21567 24994 40007
23285 54650 31797 71090 44100 73471 14830 63770 18819 07929
03694 09448 71989 90088 87929 40027 51706 46520 18521 93172
33350 62826 02974 68946 85919 96371 75230 86489 31640 94537
09844 91011 65361 25041 46838 18382 48790 09099 43505 94190
69288 25745 81160 34275 77320 05627 25728 86998 89794 80065
45029 49562 21717 00312 93945 46364 74812 73889 31163 22084
71980 95616 02219 000 000

10343/9264/8116 kHz, 16-08, 1900/1920/1940 UTC

124 124 124 1 6869 115 6869 115
13065 89736 05311 80661 03386 19124 86245 12138 83390 58318
71350 30328 99485 43138 05121 19413 75525 14768 90435 94753
01232 68890 71014 61937 65728 88203 68730 25821 85725 60582
02868 67102 38582 02261 62597 87293 26464 70396 91657 37411
59169 90349 56006 63048 00724 23847 67439 62911 07004 43531
68765 87588 06721 10277 17803 40440 45297 61043 37432 28156
76202 57431 01358 15502 08546 17498 83214 47829 76971 34806
21787 71201 81198 83644 37078 53269 51562 84137 74387 93595
35115 18607 78334 71104 04151 22024 92611 45786 35888 76239
52554 32070 78973 17379 39362 36548 99145 80672 21394 57038
63432 74372 64571 78268 81823 22540 49857 78974 05696 74693
92819 01801 73840 19135 66131 000 000

9167/10267/11567 kHz, 18-08, 0500/0520/0540 UTC

125 125 125 1 563 67 563 67
24528 31737 37118 77589 49585 55991 14396 76550 09334 31454
82348 86208 16623 64655 41759 27441 74901 06343 56901 75306
50897 66664 59707 64668 64048 07301 10735 71007 39960 62575
90825 52790 22534 83175 37060 95520 00135 36073 92337 00128
66366 40076 55659 71286 75041 68805 99840 14562 19634 31033
38886 40010 60126 55121 65255 52264 19135 70158 06870 51594
16997 92584 39893 57557 76708 00758 16952 000 000

15983/14683/13383 kHz, 20-08/22-08, 1400/1420/1440 UTC

963 963 963 1 259 181 259 181
98955 73724 31114 57340 24216 45707 32993 90244 06763 53060
86073 10098 49693 77639 47449 96602 96140 91819 86981 85776
04207 23928 92395 51316 54729 95181 94473 21243 56856 46840
64792 94331 79942 28547 65121 76973 84746 98583 08312 27323
23776 82343 87694 02316 05402 80550 42067 31824 04404 77805
25236 17496 07407 66915 21827 65490 10926 86016 96988 46214
61425 33535 45599 31350 89751 70362 85466 26787 69434 04395
71861 69597 36989 68576 59384 90627 24083 08546 40304 03251
04272 75167 51670 73855 24650 80475 73974 49626 39693 95417
58083 44250 66726 93278 41842 51970 43181 55278 26907 20341
82074 79180 45756 27611 63114 09639 52945 90414 11260 02347
41439 11519 24991 17534 89133 96288 97736 76347 07607 12543
21673 55786 80040 42404 34274 97219 90320 94998 59186 86783
82303 62165 92428 97952 39789 69841 12397 36617 65609 50815
34604 99056 22247 37205 30153 59763 23606 81159 56362 51530
70098 82135 90739 47903 07376 58850 13916 89045 00483 86034
25699 79296 16460 08570 80005 90583 02927 99388 12041 64290
67020 07742 76305 07017 52396 84814 68570 65379 30901 33487
90464 000 000

8047/6802/5788 kHz, 20-08, 1800/1820/1840 UTC

463 463 463 1 7690 100 7690 100
77535 79267 24471 61156 25959 11024 19356 91328 09872 02287
35706 63502 66077 77520 26097 52969 85265 27819 24083 66051
50221 27042 72360 48746 84601 20915 55345 22588 58642 29994
18227 68825 80832 68321 06224 54231 46030 48268 06562 28510
47418 98686 40077 31570 35007 56312 77890 32609 50036 21509
01277 12989 78238 57379 25940 47058 33332 42025 90528 14218
49010 16117 01807 36343 99096 06683 73211 40605 63369 80725
16070 14815 65921 12926 64415 74367 25355 30339 78866 19191
66009 69616 67983 44296 88618 43802 97556 99026 34225 95765
69613 14409 21254 37223 10090 73821 20870 69683 46496 47096
000 000

10343/9264/8116 kHz, 16-08, 2000/2020/2040 UTC

124 124 124 1 9837 107 9837 107
76653 33749 93136 56444 70461 81638 45988 86308 80218 73742
43903 60322 39622 75329 54828 64884 92247 72898 85323 38934
17972 97918 79409 68630 86862 30644 53837 19147 25621 17320
30791 23651 73387 75875 11139 75032 05154 56823 00945 54761
98550 51972 31557 43129 21578 44880 86289 62347 84171 97629
53033 91416 40313 67286 99929 19814 52138 86571 33411 73470
88911 50436 35487 11127 20291 85128 82251 33815 27289 73444
96419 69227 80749 28834 75837 67779 49274 35378 79271 72516
92816 38056 17056 28912 61233 78571 68229 86081 74190 19273
06593 12692 20215 97798 05966 86325 17303 16961 78447 27066
46629 12626 97584 46224 28737 27414 48063 000 000

12193/11093/10293 kHz, 21-08/23-08, 0500/0530/0540 UTC

122 122 122 1 122 122 122 1 8078 57 8078 57
73732 49126 37682 96034 00775 92090 65464 05436 65769 44290
52618 57692 03041 84206 80187 65695 42627 02998 05320 57735
84710 36119 23983 39189 70457 64323 83221 66978 62545 49932
67487 00542 20656 17641 56625 00898 78159 56905 48132 66345
18154 69635 57821 08575 28685 74995 87768 70440 29824 01264
91532 95979 07078 93207 04484 68296 41629 000 000

14377/13461/12114 kHz, 23-08, 1700/1720/1740 UTC

317 317 317 1 1348 101 1348 101
25382 15627 82237 54115 01231 95873 47350 83096 31603 92083
89207 05929 50604 26692 88266 21729 55421 67412 99127 47151
88169 49522 85210 09893 22444 91193 51214 89882 70832 47211
94943 16345 80611 54410 91138 80547 46434 75448 43571 02623
29902 47943 43321 05327 43726 71851 40257 67310 11224 71500
20368 50248 93395 42729 69388 87310 87896 92037 13665 99645
94721 94096 38051 20752 46229 72912 06630 69481 18635 22803
48932 84019 28881 25128 42696 15632 96993 23203 94015 23613
87271 99793 47188 76067 26536 32315 77893 13263 50326 08690
54535 85445 32218 87226 21731 91586 56892 97364 19994 64756
24208 000 000

10343/9264/8116 kHz, 23-08, 1900/1920/1940 UTC

124 124 124 1 4594 121 4594 121
67724 23114 06404 63881 10542 21066 10562 89698 25365 15454
82187 33664 71870 32252 96609 11904 30441 63498 43554 96598
55993 80656 44225 17330 89087 37019 19268 84501 43083 83785
33935 11319 48380 40860 39363 40067 13434 94576 05447 75367
22308 88993 48789 89333 21878 56375 02029 51850 82346 18231
99928 80175 01359 01681 21327 19996 33931 30748 56664 11760
48887 50569 82090 16038 23654 06601 99591 74611 83239 77106
17200 91169 88106 43776 25946 97486 92414 33596 77801 58538
34444 11838 92170 64300 86926 24155 97504 91556 56824 10375
51336 40871 40270 20576 02988 01287 31883 68636 47595 54121
85349 13951 51326 86694 25518 32998 44312 56747 70925 65654
18085 71646 86303 06750 30221 53345 42708 44440 76320 18434
31171 000 000

8047/6802/5788 kHz, 27-08, 1800/1820/1840 UTC

463 463 463 1 7043 94 7043 94
46384 40190 49090 51038 98625 83781 60183 27814 02669 31797
48443 50035 13283 37158 72987 61032 76716 76757 27553 70825
59119 19567 30717 45115 70676 07340 63776 74615 80173 20478
18768 53359 46150 02940 09957 69834 93670 76081 40011 19573
90978 28192 54010 00572 42035 98845 64104 83876 84065 00910
14848 75529 30635 12961 72704 01484 89734 25727 88572 87703
71393 86708 55782 42293 55782 87985 24446 65706 58768 31868
55768 24464 16946 10204 84238 68368 79399 66764 21054 89270
29729 12471 41787 23959 43562 63580 75556 81198 31959 14282
49686 93093 76673 85129 000 000

14377/13461/12114 kHz, 30-08, 1700/1720/1740 UTC

317 317 317 1 7420 108 7420 108
21220 07586 40082 89598 19663 99866 92745 06757 02821 35738
53355 25681 18917 12522 11917 90440 32581 59292 50935 13759
13406 33185 10187 93001 20697 12565 63958 37418 17331 48165
82636 03535 07529 81693 29929 56283 31907 46588 02067 41142
22123 83431 41692 88555 16713 98245 45850 00778 02274 95149
56581 64083 00077 82091 80874 94074 37859 70944 59837 91495
65220 48741 24349 22579 83645 82494 79018 85544 92531 16445
76607 39771 23793 23150 77129 57234 28047 13944 98822 64599
74837 95312 56329 43312 93711 99803 01347 70668 60819 34538
21479 37728 06372 32951 46625 85517 43510 87643 02488 97095
04024 55110 81543 61163 66510 11746 14567 03374 000 000

10343/9264/8116 kHz, 30-08, 1900/1920/1940 UTC

124 124 124 1 2262 125 2262 125
34820 75903 61567 05400 57224 23677 10300 85014 55991 41729
59102 52678 49132 58558 44354 07210 06481 19284 69220 64665
56134 16551 89578 85211 66702 51058 50554 44040 53666 63541
02559 99108 95076 73933 44805 29036 15537 35964 53051 02898
24207 64406 98736 39693 24388 14295 01153 73561 90904 65697
06966 80326 21556 87208 94083 14341 57214 32485 60209 75435
93608 65025 37800 49402 62342 91986 60982 10238 71221 91194
80319 69288 46259 38089 46014 50123 79038 56795 18444 18638
00300 19273 68940 45873 60127 51672 63742 76026 54059 39930
60891 09035 03547 21523 85518 29534 52276 65722 75676 19686
14702 04718 03699 70780 73206 28846 32772 14255 27631 48778
11879 81749 26245 85967 38228 97992 30065 24084 07853 64182
89005 28589 02826 15692 35127 000 000

M14

18041 kHz, 01-08, 0500 UTC

952 460 460 50 50 = =
62281 34503 50062 37427 33759 96165 53085 92788 45291 94928
89822 78098 15018 34755 21370 80262 59577 84350 93879 18093
88333 42080 31857 52577 73490 80267 28444 82018 44521 11088
43605 76715 80341 41217 46160 32893 97693 07457 60604 50549
59138 10483 04655 64918 49128 88940 28450 86238 91578 95634
= = 460 460 50 50 00000

18041 kHz, 02-08, 0500 UTC

952 173 173 55 55 = =
51577 60738 70167 58402 44895 28302 46750 04582 39308 53780
20408 00188 33895 09396 11400 17284 17851 60532 18695 85948
92722 45664 63354 29918 44353 04818 74582 15601 81715 42503
48144 62914 84831 36056 31835 91367 28964 25332 17680 99843
77256 44683 45575 03510 59027 83153 48022 76285 75888 83841
90682 72326 02890 18354 88406
= = 173 173 55 55 00000

18041 kHz, 03-08, 0500 UTC

952 840 840 60 60 = =
83657 61399 57367 01850 14200 84253 94123 56941 40644 43588
87203 08571 50937 60753 26436 96289 69857 69773 07609 02326
00025 16149 95202 09025 27852 80355 08669 73968 17875 43248
18172 52447 43897 35539 60747 21998 30391 38451 12806 88668
02589 28422 79918 79712 68703 80961 89832 52395 82716 79330
99642 73603 61168 91747 53057 49941 52388 11402 48703 13004
= = 840 840 60 60 00000

5430/5560 kHz, 04-08, 0800/0900 UTC

171 737 737 53 53
46782 15711 80312 44901 17172 45601 33723 98700 23443 17368
35461 90022 13151 47743 31410 46570 34102 57634 07083 47123
21137 09118 18102 72945 12095 85732 14202 53130 75555 61301
63519 18374 52730 64649 75901 65327 46371 90703 15212 66419
91622 83072 18823 10955 73466 63940 39981 10031 61722 80703
66677 12370 46102
737 737 53 53 00000

18041 kHz, 06-08, 0500 UTC

952 167 167 50 50 = =
88593 75009 08676 92668 54636 17992 44745 65419 13530 53663
56759 31967 69563 04913 41370 61577 74132 28988 61154 23853
33814 26618 33991 54348 32209 19985 66667 41376 57746 60483
37423 57456 54627 52201 57098 83810 39103 02058 63583 01382
48275 32542 29265 46775 13596 17988 86136 56599 76272 30317
= = 167 167 50 50 00000

18041 kHz, 07-08, 0500 UTC

952 384 384 55 55 = =
34388 31007 65736 23060 80614 10893 38900 07447 44908 91715
77574 62597 74371 31716 61615 06026 22766 05643 69431 28087
08446 13146 13693 39285 94644 98981 36131 12990 46818 58478
28595 59503 46730 26688 72578 92412 67951 74673 14377 73161
42487 61353 18092 44788 73190 14357 63643 90751 71677 38318
81993 79804 26409 74051 44765
= = 384 384 55 55 00000

18041 kHz, 08-08, 0500 UTC

952 176 176 50 50 = =
66828 31192 37431 39669 75836 55312 39658 90083 80062 16029
35204 97860 20251 78852 35592 15412 07454 19042 92081 48919
96976 10069 31777 07600 78432 92656 96553 67127 36604 97823
52020 83147 62789 22361 58672 15837 21322 80195 22454 51427
00956 78070 66890 31646 05806 88970 93997 26998 65518 21750
= = 176 176 50 50 00000

18041 kHz, 09-08, 0500 UTC

952 304 304 60 60 = =
40537 60620 99675 29886 89212 20329 38769 22531 10512 78016
87362 87274 48075 59962 92259 10150 67201 43325 67547 78077
59899 50131 08291 66070 74638 64795 21901 62709 88001 61121
06858 33038 60411 49704 33496 40220 43138 81684 06521 77874
28751 69789 13950 83047 62223 12590 92176 30350 54865 32928
61823 29997 68280 66429 14089 78292 60525 61064 52271 83989
= = 304 304 60 60 00000

18041 kHz, 10-08, 0500 UTC

952 817 817 60 60 = =
22949 50243 13006 59569 87611 86290 08780 75412 48087 76903
12675 97386 12142 76602 50787 98421 31712 56477 10568 50816
18455 00665 16970 75689 34779 80265 95790 28475 65056 28146
41420 06385 96691 63055 63161 88786 65752 36488 53328 46422
46824 00749 41295 80418 91804 21641 30694 77015 47298 84220
81943 88956 05325 65060 35291 79480 67003 69443 90574 89837
= = 817 817 60 60 00000

18041 kHz, 13-08, 0500 UTC

952 604 604 50 50 = =
94127 92772 42639 36748 63896 71355 35722 60330 59271 68656
89897 97187 11657 61988 68166 19534 43129 41785 97967 15899
28051 13426 49049 24252 77439 12833 80188 09367 44526 28018
15706 89104 74949 43784 37693 39320 50006 51750 04898 32061
96412 92896 34220 86758 61007 24825 05731 39093 73828 30905
= = 604 604 50 50 00000

18041 kHz, 14-08, 0500 UTC

Transmitter problems. Severe signal drops.

952 837 837 60 60 = =
09676 75065 53090 15030 90969 62626 09553 56557 24255 05245
43335 27662 84400 97350 02059 18777 60167 40728 59552 98627
68115 57809 01099 34228 21304 78902 78309 59004 38705 33028
82070 31268 062xx 57061 06988 50200 25683 82860 05779 21538
11405 67066 57032 90169 22528 93270 94800 81796 39783 01235
73434 20874 23998 62846 66107 17005 16823 29495 20482 36985
= = 837 837 60 60 00000

6856 kHz, 14-08, 1819 UTC

163 006 006 20 20
12354 65780 54543 76890 61200 98703 45546 87123 91265 43095
19845 76834 10078 05657 76760 54123 05687 54879 19837 76530
006 006 20 20 00000

18041 kHz, 15-08, 0500 UTC

952 164 164 50 50 = =
44342 69010 13443 57685 97432 54482 84538 50098 35472 81087
82340 76557 22875 32996 13121 70542 12661 78401 08357 16964
41953 40785 49780 21124 95546 10500 96072 85985 10979 63887
47171 77420 23546 82089 07104 82142 74693 86762 31295 87992
32226 34871 69286 41288 95766 39748 38802 60900 85917 10621
= = 164 164 50 50 00000

5938 kHz, 15-08, 1920 UTC

417 006 006 20 20
12354 65780 54543 76890 61200 98703 45546 87123 91265 43095
19845 76834 10078 05657 76760 54123 05687 54879 19837 76530
006 006 20 20 00000

18041 kHz, 16-08, 0500 UTC

952 870 870 60 60 = =
85525 67101 95913 85867 96287 32520 63758 42423 33584 30966
12576 53353 41889 37908 60222 85454 17749 23946 74022 22009
85849 28898 09974 02550 16593 43410 89546 50616 83603 90275
75021 94179 84626 22644 29292 08438 74232 81317 71091 35652
81783 78313 61550 61736 13085 98882 83054 54257 59167 39176
96317 91555 60640 21742 86611 37668 01042 56041 35102 42736
= = 870 870 60 60 00000

18041 kHz, 17-08, 0500 UTC

952 14 134 55 55 = =
55104 15948 33209 04207 04930 73671 50251 58777 60824 49503
16966 58936 38596 43454 13269 78558 54075 41982 82941 69035
01701 79649 85694 38373 43741 54016 15353 60853 52361 04683
38842 90697 71695 92434 35653 78177 92135 39425 42495 11599
54012 16321 32805 33602 22855 87370 85805 05225 03427 49312
24808 16142 84711 25068 29436
= = 134 134 55 55 00000

5430/5560 kHz, 18-08, 0800/0900 UTC

171 725 725 25 25
45323 09898 65423 76878 65543 23443 23121 09087 54237 78452
23541 09099 43265 77177 89982 00709 54543 07089 13265 82836
09901 56732 89346 01070 67812
725 725 25 25 00000

18041 kHz, 20-08, 0500 UTC

952 670 670 55 55 = =
70788 00669 53103 33967 74437 96043 17870 08492 56673 36062
65970 08076 45211 07911 51376 67783 16418 73672 60752 77163
74163 08337 22239 17913 06895 28916 69804 79377 33870 69368
36596 19065 76487 81008 75733 60367 15658 63086 31987 44685
21142 53241 12764 80119 63795 32497 31850 53946 46674 24501
24353 01042 15912 93685 56257
= = 670 670 55 55 00000

18041 kHz, 21-08, 0500 UTC

952 81 381 60 60 = =
81300 69526 23316 61941 60317 87738 74065 34356 16807 47643
87737 07735 80168 03734 49273 44156 22687 01884 85274 37835
96465 82754 74812 37917 91156 89215 80260 71376 92185 76203
90326 26942 44147 46449 92482 85997 49065 60541 16981 11402
54207 94724 19635 30140 09128 44901 95556 70774 96649 00257
41038 41609 67450 34954 05776 60520 32952 91328 02594 72377
= = 381 381 60 60 00000

18041 kHz, 22-08, 0500 UTC

952 76 476 50 50 = =
84783 46260 88907 01137 95669 52266 65012 52957 15842 81440
67194 19161 91987 31064 76077 48940 75411 59384 66559 10114
46877 53597 66493 76301 21243 96762 10006 87249 17818 63333
33874 24480 07378 97973 90414 69467 71773 57384 75304 36514
37085 19787 93788 97526 66238 91780 13703 40870 22038 67247
= = 476 476 50 50 00000

18041 kHz, 23-08, 0500 UTC

952 803 803 60 60 = =
92604 79315 52005 96132 70092 81120 40577 75292 40261 68169
78626 88465 65168 10103 86116 69223 56504 59484 71442 62452
28219 08701 84698 34426 65661 29387 83544 45871 09649 86552
72598 92710 78929 44610 02312 44164 79447 07478 38248 32909
73871 59956 36711 76966 09810 02562 87660 38026 30155 97003
10849 45876 13998 64493 16116 43635 21544 04072 63783 33478
= = 803 803 60 60 00000

18041 kHz, 24-08, 0500 UTC

952 147 147 55 55 = =
25477 99115 67033 95482 58348 82230 06770 66837 37741 88678
68357 31169 89730 41972 10050 58250 30631 35966 37531 33507
47609 81658 56643 15410 54385 29472 03550 80076 82980 71710
75790 70259 97429 54887 12646 90924 40404 56597 98252 18592
48687 06628 85916 16642 98428 56996 67051 73757 66128 30603
33183 07706 16274 03182 04462
= = 147 147 55 55 00000

5430/5560 kHz, 25-08, 0800/0900 UTC

171 027 027 45 45
45632 17653 27362 74689 23412 07896 35121 38902 56473 89012
87321 54287 09351 35421 76352 73542 37654 97864 90865 47352
03621 17435 27435 68321 56289 20957 20873 73624 94638 03645
10923 20354 75609 27156 27909 25341 94563 46321 28374 09483
64532 37564 10956 37509 27843
027 027 45 45 00000

5430/5560 kHz, 28-08, 0800/0900 UTC

952 314 314 55 55 = =
80962 83310 28968 45609 89476 31453 76354 09960 18520 64104
33145 35940 42843 79310 83067 92170 30420 16037 94393 54750
10464 38974 57726 89949 55595 92644 77788 06903 14111 06604
17656 72529 53293 55705 18868 05834 99681 05245 45857 93793
87262 95637 28128 96017 49506 46352 98631 30359 16181 83752
51765 56675 00901 22566 69443
= = 314 314 55 55 00000

18041 kHz, 30-08, 0500 UTC

952 130 130 60 60 = =
 81665 06125 23028 33333 02608 06696 85541 46059 76307 71933
 27354 92918 97918 08247 08713 91133 08501 70712 28892 31585
 10000 81739 38300 33085 05336 75234 78021 30847 24516 70931
 70241 37354 22724 08594 07989 54808 61319 96759 17623 11354
 07690 55732 92525 08246 14877 59489 21413 58181 66935 06212
 59716 35944 00950 72109 17465 11581 41642 28238 62113 58283
 = = 130 130 60 60 00000

18041 kHz, 31-08, 0500 UTC

952 468 468 50 50 = =
 73371 47116 09180 64560 83501 97010 26645 50737 03069 10433
 32548 78395 53075 24017 43133 69166 18700 23789 64198 05327
 52808 56470 16327 99739 44400 65475 83668 83472 75442 68817
 72177 40772 14515 21086 88275 46099 20708 26700 73850 82893
 56218 96611 58546 48769 31066 65662 15278 76823 28381 12766
 = = 468 468 50 50 00000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**4582 kHz, 02-08, 1037 UTC. Flash message in between the time markers.**

XXX XXX 72779 WGIBOWEST 2693 1783 B.UTOCIRK 3326 4890 WAWILONÄNIN 3472 9862 K
 =991340??0?????
 =991341??0?????
 =991342??0?????

4582 kHz, 02-08, 0823 UTC	=991123??0?????
4601 kHz, 02-08, 1225 UTC	=01120085629226 =0113260161326 =0113260277828 =190010928
6440.5 kHz, 03-08, 0507 UTC	=13821169025806 =990807??0????? =990808??0????? =4382138214??00
6843.5 kHz, 04-08, 0540 UTC	=990840??0?????
4791 kHz, 06-08, 0535 UTC	=990840??0?????
7249 kHz, 06-08, 1022 UTC	=991328??0?????
6421 kHz, 06-08, 0656 UTC	=13279028049456 =23279902070727 =990957??8?????
3246.5 kHz, 07-08, 1750 UTC	=992057??0?????
4691.5 kHz, 10-08, 0540 UTC	=990845??0????? =990846??0?????

4635.5 kHz, 10-08, 0608 UTC

00970725225427120300906511600
 009709253
 957172060908511800
 9700252257808
 9701252206208
 9704252204108
 9702252202608
 9703252252708

3247.5 kHz, 10-08, 1936 UTC	=992241??0????? =992242??0?????
5221.5 kHz, 17-08, 2047 UTC	=992353??0????? =992354??0????? 6 minutes off
6421.5 kHz, 25-08, 1347 UTC	=991647??8????? =991648??8?????
6843.5 kHz, 26-08, 0718 UTC	=991019??0????? =991020??0?????
8457 kHz, 26-08, 0821 UTC	=99?1121?9????? =99?1123?9?????
4992.5 kHz, 28-08, 0648 UTC	=990948??0????? =990949??0?????
4385.5 kHz, 28-08, 1315 UTC	=99?1617?9????? =99?1618?9?????
4582 kHz, 28-08, 1319 UTC	=991619??0????? =991620??0?????
6440.5 kHz, 29-08, 0719 UTC	=991019??0????? =991020??0?????

M41 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

5037 kHz, 06-08, 1800 UTC

GPY1 GPY1 AR

5771.5 kHz, 10-08, 0911 UTC

VVV V6OD

7211194950125481411287203 1211

RPT 722194950150548141128720301211

V6OD AR

4317.5 kHz, 10-08, 1214 UTC

6BFA de 6B78 QXS AR

72219497292528093128710301511

ABV

72219497292528093128710301522 EEEE 1511 6B78 AR

M51a - FAV22

Schedules

Week from 0830-0900 UTC and 1130-1200 UTC

Saturday from 0700-0730 UTC and 0820-0855 UTC

Sunday from 0700-0730 UTC and 0820-0855 UTC

6825 kHz, 22-08, 1133 UTC, i.p.

VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

L'ARMÉE DE L'AIR EST PRÊTE ! C'EST EN MAI 2013 QUE LE PREMIER A400M DEVRAIT ARRIVER. L'A400M ATLAS, DANS LA MYTHOLOGIE GRECQUE CE NOM EST CELUI D'UN TITAN CONDAMNÉ PAR ZEUS À SOUTENIR LE MONDE. DANS LES STARTING-BLOCKS DEPUIS PLUSIEURS MOIS, L'ARMÉE DE L'AIR EST PRÊTE À ACCUEILLIR CE CARGO QUI VA RÉVOLUTIONNER LE TRANSPORT MILITAIRE : DE NOUVELLES MISSIONS, DE NOUVEAUX MÉTIERS ET DE NOUVELLES TECHNOLOGIES. L'ANNÉE 2013 SERA UNE GRANDE ANNÉE AVEC LA FORMATION DES PREMIERS ÉQUIPAGES.

AR

CQ DE FAV22 VA

6825 kHz, 23-08, 0830 and 1130 UTC

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825KHZ

VITESSE ANNONCEES LEGEREMENT SUPERIEURES.

JEUDI-LECON 04-1/1 VITESSE 840 CODÉ =

YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA

MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA

UAYDG XVWBD XNQJU ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB

JAKLO NHDFE 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUY

KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL

NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO

AR

JEUDI-LECON 04-1/2 VITESSE 840 CLAIR =

JEAN-PIERRE DICK A PRIS LE COMMANDEMENT DU VENDÉE GLOBE DANS LA NUIT DE VENDREDI À SAMEDI ET BATTU LE RECORD DE LA PLUS GRANDE DISTANCE PARCOURUE EN 24 HEURES PAR UN MONOCOQUE DE 60 PIEDS. AVEC 498,8 MILES EN 24 HEURES LE SKIPPER DE VIRBAC PAPREC 3 A AMÉLIORÉ LE RECORD QUE SON COMPATRIOTE FRANÇOIS GABART AVAIT ÉTABLI LA VEILLE.

AR

JEUDI-LECON 04-1/3 VITESSE 840 CODÉ =

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
IKOLE SGAUE XVSGQ WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
IKDGR FHBCV DFDFD ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFTF
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 CGETF XBDGE XGSTE ZHUAI QKAT0 46378 45381 SUJAU OLETD
QML0A 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG
AR

JEUDI-LECON 04-1/4 VITESSE 840 CLAIR =

DERRIÈRE EUX, BERNARD STAMM ET ALEX THOMSON S'ACCROCHENT. POUR CES DEUX HOMMES, LA PERFORMANCE EST DE TAILLE. ALEX DISPOSE D'UN BATEAU DE LA GÉNÉRATION 2008-2009 ET, MÊME SI SON PLAN FARR A DÉMONTRÉ SON POTENTIEL DE VITESSE EN REMPORTANT LA ROUTE DU RHUM AU MAIN DE ROLAND JOURDAIN, IL FAIT LÀ UNE COURSE REMARQUABLE DE TÉNACITÉ. BERNARD STAMM QUANT À LUI, AVAIT OSÉ SE LANCER DANS UN PROJET AUDACIEUX EN DÉCIDANT DE TRAVAILLER AVEC L'ARCHITECTE JUAN KOUYOUMDJIAN, À REBOURS DE LA TENDANCE GÉNÉRALE.

AR

CQ DE FAV22 VA

6825 kHz, 24-08, 1130 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825KHZ
VITESSE ANNONCEES LEGEREMENT SUPERIEURES.

VENDREDI-LECON 05-1/1 VITESSE 960 CODÉ =

JNDHE VXGST AUZRS QVWGS ETZYA GFVCH SNWJU AIKSL QOLAP QNBWH
SGDTE IKJHF BCGFT 34265 89106 XBDGE SJNWK QKAOL QNHUY UJIHY
NBCVD XGSTZ ATQYA WHBDU ETSTR DKDKS BXJEU SJQKA ZIKSO KQLAP
NJKSF XGDTX WVQHZ AHUGF CJNDG ETZUS KQLAI NCHDY XCDGE UJFGE
26479 CGDFE XHQYE DGXUZ AJNHD XCSVJ SHLOQ ALKIJ NHYRT OLAIK
NCJDK SLAPM NHDJF CGVET SHQUZ NXJSU AIKSH BCHDU ZIJQK LQMAI
NCJDG FVCBX WNQJZ SJAUY 46528 JSUEY SGQSA 27845 AJNDH IKAOL
WXCSG QMAPL NKBXV DGETS AHSUE BXNWJ SHUTE DURYH FGCXV OLAKJ
BHDGR XGSUK ZRWBC VHFUV CNXJF GUJRT DHXUE SJZKS XBWJQ IKHTG
VSDQH ZUJAY VXBWG 42763 89210 75648 HDBXF RVCHS ZUHJQ OLDGR
BCHSU YDTFV CVXGD SHGVC BXNHA XHWUE ZJSKQ HTRGF BDHVB IKHBG
CHSTR DFSTF DGERF ZYSFW XGDCB QNAJH CBDUJ RTDGS WJHUY
AR

VENDREDI-LECON 05-1/2 VITESSE 960 CLAIR =

LES VÉHICULES TENDANCE DES CONSTRUCTEURS DITS " PREMIUM " NE CONNAISSENT PAS LA CRISE. CHEZ AUDI, LE " Q " 3 EST L'UN DES DERNIERS NÉS. POUR SA PART, MERCEDES A REMIS AU GOUT DUR JOUR LE CLASSE B SON MONOSPACE PREMIUM. TOUS LE DEUX DOIVENT COMPOSER AVEC LE RÉCENT MINI COUNTRYMAN, CAPABLE DE SÉDUIRE UNE PETITE FAMILLE. POUR CELA IL SOIGNE SA MODULARITÉ. DE SÉRIE, LA BANQUETTE COULISSE ET LES DOSSIERS SE RABATTENT EN TROIS PARTIES 40 / 20 / 40. DU COUP L'ESPACE AU NIVEAU DES JAMBES EST CORRECT. DOMMAGE, LA LARGEUR AUX COUDES ET LE VOLUME DE COFFRE SONT, INSUFFISANTS POUR ACCUEILLIR CORRECTEMENT TROIS ADULTES ET LEURS BAGAGES.

AR

VENDREDI-LECON 05-1/3 VITESSE 960 CODÉ =

CXVDG SHQJA WBQJA NJKIU RTSGZ QHAUJ QNWJE ZUJAI QLAKP MQLAO
YTGFT 45287 EHSQA WBSGQ WJUKL AMPLO QNJKU WNHEH SGQHZ AJUHS
67489 18624 ZBWCV QNAKL QMAPL KJSGR XVWBS QBAJH WNQJU NWHUJ
AIKOL QLAMP KIAUY WBSGE WJQUA IJAUY QKAOL QMAPO LQORT DHXVZ
UJKQG AYTGH WBQHZ SHAJK QKALP TRZUI QJKAM BXVSC WHQKA KLQPM
LKAYG 56387 XVSGA WNQJA KLQMA JKQLE ZUHSJ APLOK WNBGF DJSKA
KLAMJ BHGCV XGBWH QJAKI YHDUR STZGA QHBWJ QJKAU YTGDI 46287
KLAMP JKQJH BCVFG XNWBQ AHJKU RTSGA WHNQK SJAUY QKALM PLKJH
QNBQD AVWHJ QKALU YHFGF 38721 AYOPM 90176 XVCHF WBQNJ ALKAI
OLAPM NCBXW JSHTD QJNHG CGFTR AJKHU QKALP MLKAY DHGST HQJAU
OIAJN ETDGS WNQHA 27654 QBWND AJZUH DGQMA HJQKA IJNHY CGDHS
MAPLK BXGDT 19873 5A176 NXVDG SHAJK LQMAP HDGTU

AR

VENDREDI-LECON 05-1/4 VITESSE 960 CLAIR =

LE BRZ PARAÎT VIRILE DE PRIME ABORD : COMMANDES FERMES, À-COUP DE TRANSMISSION ET SUSPENSIONS SÈCHES. MAIS DÉS LES PREMIERS LACETS, LA RECETTE PREND PARFAITEMENT. AGILE ET PROFITANT D'UNE DIRECTION PRÉCISE, ELLE DONNE LE SOURIRE À SON CONDUCTEUR ET APPARAÎT PLUS COMMUNICATIVE QUE SES CONCURRENTES. LA SPORTIVITÉ EST LÀ, MÊME SI LE FREINAGE MANQUE UN PEU DE MORDANT. ET BIEN QU'IL S'AGISSE D'UN MODÈLE DE PROPULSION, CE COUPÉ RASSURE GRÂCE À LA BRIDE ÉLECTRIQUE D'UN ESP TRÈS ZÉLÉ. EN REVANCHE, SON 2.0 BOXER EST UN PEU CREUX, ET NE DONNE LE MEILLEUR DE LUI-MÊME QUE MENÉ À LA CRAVACHE. AMUSANT CINQ MINUTES, MAIS FATIGANT À LA LONGUE.

AR

CQ DE FAV22 VA

3881//6825 kHz, 25-08, 0700 UTC

SAMEDI/DIMANCHE 4/LEÇON NØ1/1 VITESSE 420 CODÉ
NVCMD CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCPSL ALQKO 02365
MCKSO /.?% CZXAD QPLOE BDGEY XMKNS ASLWP XUEWY VNDHW LKSIW
63270 XMSLD #.'./ VFHRY SWRQT XVSHG LJYPO ZMXNE AQOIU CBDHW
LPURF 18963 ZAPFO %', \$? ZMXSK DLSKW CBRYR BGHUT LHKYP ERTWY
ZXWCD VNCYE 14598 UTHJE '/?., NBNCX VFGER POQAS XCFDE JGHNF
LKWUE VBCND MLFKG 54796 FSEWA ,.'=. ASQEX VMDSO EWGDD LBKGI
'.,?. XSGYW 21703 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLGX ASDWG
VBNFK 26318 KDFHR ?.'%, QHJCM LGDHJ CBETJ AQWOP
AR

SAMEDI/DIMANCHE 4/LEÇON NØ2/1 VITESSE 420 CLAIR

LE REDÉPLOIEMENT DES THÉÂTRES D'OPÉRATION NE MET PAS UN TERME À L'ENGAGEMENT DE L'ARMÉE DE TERRE. LE NIVEAU DES UNITÉS PROJETÉES RESTE TRÈS ÉLEVÉ. L'ENTRETIEN DES « FONDAMENTAUX » DU MÉTIER DE COMBATTANT EST PLUS QUE JAMAIS UNE NÉCESSITÉ ET L'INSTRUCTION COLLECTIVE UNE PRIORITÉ. C'EST LÀ TOUT L'ENJEU DE LA PRÉPARATION OPÉRATIONNELLE DÉCENTRALISÉE POUR LES ANNÉES À VENIR. LA VOCATION DE TOUT MILITAIRE ? REMPLIR UNE MISSION OPÉRATIONNELLE EN OPÉRATION EXTÉRIEURE OU SUR LE TERRITOIRE NATIONAL. MAIS VOTRE CARNET DE TIR EST-IL À JOUR ? CONNAISSEZ-VOUS TOUS LES ACTES RÉFLEXES DU COMBATTANT ? COMMENT RÉAGIR DANS UNE EMBUSCADE ?

AR

CQ DE FAV22 VA

3881//6825 kHz, 25-08, 0816 UTC

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

3881//6825 kHz, 25-08, 0820 UTC

SAMEDI/DIMANCHE 3/LEÇON NØ1/2 VITESSE 600 CODÉ
BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820
BCSMK ?%,./ FPORE POPEW SBAVW BAVES FLRPO NVBDY LEORP LOPEY
,./,' BXAHQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,\$.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ #?.\$% FNDJE FLAME XVWTG SHAME CNBEJ
SIZED ANDUE ZEPLI 12548 SAQWD ,,' JJFRU ASILE XVSGW ADIOS
WALTI XCWTG ALSPO XBNMK 11478 XZAYG /'\$?, LIUTO SFWTJ BADAM
BIPOL VAQGS BILBO FRODO PIPIN 04789 PGUTI ?.,' = CXSEF JGRDK
LGPRK
AR

SAMEDI/DIMANCHE 3/LEÇON NØ2/2 VITESSE 600 CLAIR

CETTE UNITÉ A DÉSIRÉ CONNAÎTRE LA FAISABILITÉ ET LE TEMPS POUR EFFECTUER UN RRT AVEC DEUX LIGNES EN SIMULTANÉE, UN ACCROCHEUR (POUR LE RÉSERVOIR PRINCIPAL DE L'AÉRONEF) ET UN PISTOLET D'AVITAILLEMENT ÉTANCHE À ARRÊT AUTOMATIQUE (POUR LES DEUX RÉSERVOIRS ADDITIONNELS). LE SEA A ACCEPTÉ DE RÉALISER CETTE ÉTUDE. LA DELPIA, EN CHARGE DE CE DOSSIER, A DEMANDÉ À LA DGA DE VENIR RÉALISER LES MESURES DE CHARGEMENT ÉLECTROSTATIQUE LORS DES ESSAIS ET AINSI VALIDER LA NOUVELLE PROCÉDURE. FIN JUIN, LES ACTEURS DE CETTE EXPÉRIMENTATION SE SONT DONC RETROUVÉS SUR LA BASE DE LANVÉOC.

AR

CQ DE FAV22 VA

M89 - Chinese military

Lots of exercise traffic logged by JPL and F5JBR. Easy to spot as they often have /EX in the messages.

3659 kHz, 06-08, 1708 UTC

VVV CQ (x3) DE PGD EEEEE
VVV CQ (x3) DE PGD FFF
NR 0130/EX U EEEE
FFF O130/EX 0105 =
UUJG AR
= UUJG QSL DE BWZJ SK
QQSL 6DE 8ITWI K (Both stations on this frequency)
GDEG 108 QSL DE
JRWC K
DE JRWC K
R QSL
BKVL SK
R DGDG O108
VVV TCAR K
CQ EEEEE
HR 7G GA K
R GA
GA
MSG NR 0131 CK 80 24 0807 0100 RMKS CQ II =
MSG 1P =
7N6U 5A74 6N3D T4UN 3A6D 57AD 4T37 T7A6 4UD5 5N6U (Cont'd)

4123 kHz, 26-08, 1740 UTC

R QSA 3 K
R IEC = 5661 AR K (Normally associated with exercise traffic)
R IEC = 3765 AR K (Both stations on this frequency)
R HR MSG GA K
R GA
R MSG NR 6452/.KB CK 59 78 0827 0130 RMKS 1003 TO 1424 TO 1478 TO 1475 TO 1003 K
R GA K
R MSG =
A5D4 TUN7 D53N TAU5 TAD3 3T5D A6NU 6DAN U5T3 A47U (Cont'd)
AR
R QSL 0145 K
R HR WK NR 223 K
R HR WK NR 2438 K
R RPT
R HR WK NR 2438 K
U WK NR 2338 K
R OK
R SK GB

5220 kHz, 26-08, 1258 UTC, i.p.

NR 0099 67 42 0822 0820 RMKS CQ CQ =
U56A N763 54DN DN4A =
U56A N763 54DN DN4A 5UDT 3AU6 A35N 4A56 74AU TNDU T45U (Cont'd)
AR
VVV
VVV NR NR 0097 AN EEE NR NR 0098/EX 78 44 = =
OG5 TIME PN 0.. AR
MGHMDNPN.. =
NR 0099 CK 67 42 0822 0830 RMKS
4375 III = AS =
U56A N763 54D.
FF U FF FF FF 563DAND74

FF FF FF .65 AR FF FF FF 7D 1233567890 12345
VVVV NR NR 3 NR NR 513 ...26/EX 1 EEEE
VVV NR NR 5126/EX 100 . = =
LTM6/Y5M K
VVV NR NR 7721 EEEEE
NR NR 77U 772./EX 1158 =
ZXBSX6K FW
AR NR NR 7721/EX 1158 =
ZX6SX/DE. KFW AR

9856 kHz, 26-08, 0934 UTC

V ZJ3T (x3) DE QB4S (x2)

Note: New frequency for this round slip. I'm leaning towards thinking that this new round slip and frequencies is a change in frequencies and call sign for: C4TY DE NSF5 (and other round slips used) which recently have been using: 3378 // 4783, 10378 //5305 (JPL)

5081 kHz, 27-08, 0957 UTC

R IEC = DNxE AR

NR R R IEC = BBU (Both stations on this frequency)

IEC = BUK EEEEE (Normally exercise related)

IEC =

R HR WK NR 5046 2..6 K

R HR WK NR 50462977 K

R MSG GA K

R MSG NR 3082 CK 64 35 0827 1750 RMKS 5046296 TO 5046297 K

R GA

MSG = 4A76 63A7 67AD 5DAU 43A6 67T4 6543 3A56 UNT6 (Cont'd) AR

R R QSL 1802 K

RPT K

QSL 1802 K

R GA K

RR MSG NR 5077 CK 61 35 0827 1750 RMKS 5046297 TO 5046296 K

R GA K

= 3DUA TDUA UNA5 DU.. DATU (Cont'd) AR

R QSL 1807 K

NR 3082 CK 63 35 0827 1750 RMKS 5046296 TO 5046297 K

R GA

R = 4A76 63A7 67AD 5DAU 43A6 (Cont'd)

4661 kHz, 28-08, 1839 UTC

XKF5 wkg 8NJL K3DT D3JM 3DSL 4ZDJ VX4S H4ME.

HR NR 1521 /EX 0240 RMKS CQ = A2N8/B1M3 AR

HR MSG NR 1529 CK 66 92 0829 0230 RMKS CQ = = UT65 T756 6DNA ...

3456 kHz, 28-08, 1453 UTC, i.p.

FF 1 FFF NR 1 EEEEEEE

FFF NR 1005/EX 1612 =

Q3AH/Q EEEEE

F FFF NR 1005/EX 1612 =

Q3A5/Q6R1C AR

QSY HW LW

FFF NR 1006/EX 1615 =

J3H8/5X2J AR QSX 04

FFF NR 1007/EX 1617 =

BBP4/T9V3 AR QSX EEEEE QS EEEEE QSY NR 08

FFF NR 100D EEEEE

FFF NR 1008/EX 1

INFORMATION: for M89 networks below. The NET Station transmitted on a frequency its callsign for 30 minutes: for example "VJRZ VJRZ VJRZ VJRZ AR", then transmitted a message that was repeated 2 times, then a QSY and the transmission resumed on a new frequency with a new callsign (F5JBR)

3830 kHz, 29-08, 1208 UTC

VJRZ VJRZ AR HR NR1156 EX 2009 = Y5Z8N1O4 NR 1056 EX 200 = Y5Z8/N1K4 AR QSY 29 QSY 29 VVV

3776 kHz, 29-08, 1210 UTC

NET Station wkg outstations: 1325/EX 2009 = M8/N7 NR 1325 2009 = M8/N7 QSY 04

3712 kHz, 29-08, 1212 UTC

4TRT wkg outstaions: 4TRT AR NR0168/EX 2011= D6FE/G63Z AR QSY 03 QSY 03 VVV

3751 kHz, 29-08, 1215 UTC

GHX1 wkg outstations: GHX1 AR 057/EX 2015 = B6C8/A9S3 AR NR 1057/EX 2015 = PZ8F/6DVR AR QSY 11 VVV

3866 kHz, 29-08, 1218 UTC

NET Station wkg outstations: NR 4036/EX 2015 = NYU4/BQ3A AR QSY QSY 16 VVV

3810 kHz, 29-08, 1219 UTC

2SRQ wkg outstations: 2SRQ AR NR 41/EX 2021 = BA3C/QR13 AR

3747 kHz, 29-08, 1225 UTC

PQK6 wkg outstations: PQK6 AR NR 1649/EX 2024 = W0P7/T8C5 AR and QSY 36

3751 kHz, 29-08, 1227 UTC

NET Station wkg outstations: NR NR 1061/EX 2027 = 2QL4/WM78 AR SK SK

Note from JPL

Same thing happened at 1600z using Siberia remote tuner as follows:

Freq	Time	C/S	Msg Nr	QSY
4078	1601	EVAL	2081/EX	03
3611	1604	U8SD	7012/EX	11
3810	1608	?	?	04
3844	1609	?	1044/EX	14
3611	1612	U8SD	7015/EX	OLD
3866	1615	?	?	02
3844	1616	?	1046/EX	14
4349	1618	O4B	1081/EX	18
5146	1623	?	1086/EX	08
5016	1625	?	1083/EX	25
5501	1627	?	1485/EX	-

3556 kHz, 29-09, 1712 UTC, i.p.

MSG NR 1489 CK 61 49 0830 0100 RMKS 7031292 TO 7031290 = 4AND 3IA4 U7T5 (Cont'd)

3578 kHz, 29-09, 1718 UTC, i.p.

01W GA = DUDD ATD7 T576 NUT7 34N5 (Cont'd)

3611 kHz, 29-09, 1604 UTC, i.p.

U8SD
FFF NR 7012/EX 0003 =
4SNT/XZXG AR
FFF NR 7022/EX 0003 =
4HNT/XZ.G AR
FFF NR 7012/EX 0003 =
4HNT/XZBG AR QSY 11 QSY 11 QSY 11 (1606z)

3611 kHz, 29-09, 1612 UTC, i.p.

U8SD

IF EEEE FFFF NR 7015/EX 0012 =

BKNJ/X2QD AR

FFF NR 7015/EX 0012 =

BKNJ/X2QD AR

FFF NR 701FM NR 7015/EX 0012 =

BKNJ/X2DQ AR QSY OLD QSY OLD QSY OLD VVV

3631 kHz, 29-09, 1719 UTC, i.p.

76A5 6375 TD43 ADUT T6UA ...

3675 kHz, 29-09, 1644 UTC, i.p.

VV 5ZPY K K

VV XD9U K K

VV 3WLK K K

VV 7DSL K K

R 22W = 77? 744U

RPT 02W = 744U 744U AR K

R AS

VV DBA7 K

VV 5ZPY K

R RPT CK 49 K

R RPT 49W = TD33 TD33 AR K

R AS

VV XD9U K

R AS

VV 3WLK K

R RPT K

R AS

VV IF8X K

R AS

VV A4MF K

R AS

VV NJ5F K

VV NJ5F K

VVV D4HA K

R KR KR KR

3715 kHz, 29-09, 1655 UTC, i.p.

AS

R R

QSL ? K

VV 6FG.

VV WG.9 DE QH7 K

VV 9=R DE HIR. K

RPT K

R QSL ? K

R SK SK SK SK SK SK SK SK SK

3810 kHz, 29-09, 1608 UTC, i.p.

/RTJK AR MY NR 04 QSY NR 04 QSY NR 04

NR 1044/EX 0009 =

3I.L/V8KN AR

FFF NR 1044/EX 0009 =

3IML/V8KN AR

FFF NR 1044/EX 0009 =

3IML/V8KN AR QSY 14 QSY 14 VVV

3844 kHz, 29-09, 1616 UTC, i.p.

FFF NR 1046/EX 0015 =
GSN8/QM EEEEE
FFF NR 1046/EX 0015 =
GSN8/QTM6 AR QSY 14 QSY 14

3844 kHz, 29-09, 1632 UTC, i.p.

VVV CLJ5 DE MFM1 K
AS AS
VVV 9QTS DE MFM1 K
VVV XVG3 DE MFM1 K
AS AS
VVV BQY DE MFM1 K (1634z)
R IEC = U861 AR (Normally associated with Exercise traffic)
VVV FLC3 K
R IEC = 6617 AR K
R IEC

3866 kHz, 29-09, 1616 UTC, i.p.

QSY 02 VVV

3971 kHz, 29-09, 1712 UTC, i.p.

R U MSG GA
R GA K
R GA K

4078 kHz, 29-09, 1601 UTC, i.p.

VVV EVAL FF 05
FF NR 2081 EEE
FF NR 2081/EX 0000 =
E5XB/C3Q8 AR
NR 2081/EX 0000 =
E5XB/C3Q8 AR QSY 03 QSY 03 VV

4106 kHz, 29-09, 1710 UTC, i.p.

TO 4219 K
R 01W = N5A7 3T7T UND3 66A3 ...

4349 kHz, 29-09, 1618 UTC, i.p.

O4B
FFF NR 1081/EX 0018 =
Y3Z2/B7C8 AR
FFF NR 1081/EX 0018 =
Y3Z2/B7C8 AR
FFF NR 1081/EX 0018 =
Y3Z2/B7C8 AR QSY 18 QSY 18 VVV

4537 kHz, 29-09, 1708 UTC, i.p.

N3DU NU56 AR K
R RPT 24W = A... AR K
R U 7G GA K

5016 kHz, 29-09, 1625 UTC, i.p.

4 = S9.0/QJH2 AR
FFF NR 1083/3X 0024 =
S.0/QJH2 AR QSY 2. QSY 25 VVV

5032 kHz, 29-09, 1704 UTC, i.p.

R OK GA K

R 7G NR 3213 CK 74 35 0830 RMKS .031296 TO 7031291 K

R 7G = 54N7 AU5D 5A6U 47TN UDA5 A5U3 ...

5146 kHz, 29-09, 1623 UTC, i.p.

FF NR 1086/EX 2418 =

1SKM EEEEE =

JSKN/AE6 EEEEE =

JSKN/R6YB AR

VVV FF NR 1086/EX 1418 =

JSKN/R6YB AR

VVV FF NR 107 EEEEE

VVV FF NR 1086/EX 1418 =

JSKN/R6YB AR

VVV YY EEEEE VVV K EEEE VVV 4 QSY 08 K

5220 kHz, 29-09, 1111 UTC, i.p.

CK 66 75 0829 2100 RMKS 11580 1788 K K

.2DA 45NU TU3. ...

AR K

5501 kHz, 29-09, 1627 UTC, i.p.

F29D

FFF NR 1485/EX 0027 =

B2A8/NBYJC

NR 1485/EX 0027 =

B2A8/N6YJ AR

NR 1485/EX 0027 =

B2A8/N6YJ AR

3343 kHz, 30-08, 1710 IYV, i.p.

RPT K

R GA K

R MSG NR 3114 CK 41 94 0831 0100 =

R = ADT6 63D5 A6NA NT43 U4N5 TTTA 6NU7 4T6D TATA (Cont'd)

AR K

31W DU35 DU35 K

GA K

R RPT MSG K

RPT MSG K

GA K

RPT 11W TO 13W K

RPT 15W K

RPT 21W K

R R RPT 25W K

25W EEEE RPT 25W K

RPT 27W K (Cont'd requesting repeats)

QSL QSL 0126 K (1726z)

LSB WK K

33482 kHz, 30-08, 1728 UTC, i.p.

1 CK 41 0831 0100 RMKS 8119 TO 4229 K K

= UUB7 U5N7 36U5 AU.T 56N5 AT6A (Cont'd) AR K

NR

3570 kHz, 30-08, 1622 UTC, i.p.

DMYX/HF72 AR
NR 1180/EX 0027 =
DMY4/HF72 AR
NR 1180/EX 0027 =
DMY4/HF72 AR VV SK SK SK

3611 kHz, 30-08, 1622 UTC, i.p.

U8SD
FFF NR 7079/EX 0024 =
FQ4E/WR3T AR
FFF NR 7079/EX 0024 =
FQ4E/WR3T AR
FFF NR 7079/EX 0024 =
FQ4E/WR3T AR
FFF NR 7079/EX 0024 =
FQ4E/WR3T AR QSY 02 QSY 02 VVV

3631 kHz, 30-08, 1635 UTC, i.p.

V K7X/FA8R K
R IEC = RD/SQ K (Normally associated with Exercise traffic)
R 2BUC/E5MP K
R IEC = TQXD K
R N6CE/DERG9 K
R IEC = TQT EEEE = TQXD K
R YM3L7 EEEE JM3W/7CUY K
JM3W/7CUY K
LOS3/B3UN K
MSG GA
MSG NR 1481/EX =
V1/B7/V1/B7V1/B7 II
X4YR EEEE X4YF/IT7S K
R CIA EEEE C1AR/HE9W
KE VK7X/FA8R K
R 2BUC/E5MP K
R NBCE/DPG9 K
R JM3W/7I EEEEE JM3W/7CUY K
JM3W/7CUY K
LOS3/B3UN K
LOS3/B3UN K
CWW MSG GA
NR 1482 CK 61 15 0831 =
3A67 D653 63D3 (Cont'd)
III(
..../IT7S K
R RH EEEEE YR WK K
R C1AR/HE9W K
R YR WK K
VK7X/FA8R
VK7X/FA8R K
2BUC/E5MP K
R YR WK K
N N6CE/DPG9 K
R YR WK NR K
JM EEEE JT EEEEE JM3W/7CUY K
JM3W/7CUY K
LOS3/B3UN K
LVS3/B3U
HR WK GA EEEEE HR WK NR GA 80581245 K
HW

4388 kHz, 30-08, 2209 UTC, i.p.

50 RMKS 0818 TO 0434 K
RRR OK 1W = 337U NA35 UTTU U5D5 TD76 TA4A (Cont'd)
AR K
R R R R

3592 kHz, 31-08, 1408 UTC, i.p.

AR
RPT 12 = U47T U47T AR K
RPT 29W = = = 5535 5535 ? 553 EEEEE
RPT 29 = 5535 AR K (1409z - Cont'd to repeat groups)
R R

3828 kHz, 31-08, 1303 UTC, i.p.

3545 TD6U A7TA A6TN 77AD T4UU ... AR
NR 0 GA U GA
GA GA
NLI NR QSY 1 EEEE QSY 2111 QSY 2111 K
NL BLSB LSB LSB K
(1311z - Switched to voice - LSB - Male - Chinese)

3863 kHz, 31-08, 1313 UTC, i.p.

QSY 04
VV EVF7 DE G1NF QSY 03 K
VV EVF7 DE G1NF K
VV EVF7 DE G1NF K
QSY 53 QSY 53 K
VV EVF7 DE G1NF K
QSY 34 K
VV EVF7 DE G1NF K
R U MSG GA K
R GA (1319z)
R R RPT CLS K
RPT PBL K
R RPT 09W TO 1.W K
R QSL 2123 K
R MSG NR 0143 CK 49 47 083 EEEE
MSG NR 0143 CK 49 47 0831 2100 RMKS 8399 TO 8919 K
R = 6DA6 7AAD D665 3444 4477 75TA (Cont'd)

4336 kHz, 31-08, 0822 UTC, i.p.

BCU7/TIDA EEEEE =
BCU7/TA EEEEE =
BC2 EEEE =
BCU7/TID8
FFF NR 1284/EX 1627 =
BCU7/TID8
FFF NR 1284/EX 1627 =
BCU7/TID8 AR K K EEE KP KP KP

4367 kHz, 31-08, 0809 UTC, i.p.

FFF NR 156/EX 1609 =
T8JD/BC1J
NR 156/EX 1609 =
T8JD/BC1J
NR 156/EX 1609 =
T8JD/BC1J QSY NR 07 QSY NR 07 VV

5375 kHz, 31-08, 0817 UTC, i.p.

/EX 1618 =

5FMW/HDA3 AR

FFF NR ...7/EX 1618 =

5FMW/HDA3 QSY 25 QSY 25 VVV

M95

4364//8073 kHz, 04-08, 1138 UTC

V BNGC (x3) DE XSV85 (x2)

HR 7G PSE CY

NR 0655 CK 47 35 0802 1609 =

TTD N5U TTU N53 TAD N54 7TT TTA 746 4AA 77T (Cont'd)

4243//9054 kHz, 04-08, 1147 UTC

VV HR MSG TO YR PSE CY

NR 083 CK 19 35 0802 1605 =

5TD UTT .TU 3U6 3A4 35U 4TA N.N 4T7 U7U N4A 444 3DA TTU TT3 773 435 3DU 4D3 AR

... MSG

NR

4243//9054 kHz, 07-08, 1149 UTC

VV HR 7G TO YR PSE CY

NR 093 CK 18 35 0807 1508 =

5TD UTT TT7 3U6 3A4 357 373 4TN U7U N4A

434 3DA TTU TT3 773 435 3DU 4D3 AR

MSG AGN

NR 093 CK 18 35 0807 1508 = (Repeats message) AR

A HR MSG GA

NR 14 113 35 0807 1552 =

UTU TT7 3U6 3A4 TTU 773 354 N35 374 4TA

NAT 4TN 445 474 437 4D3 3DA TT3 773 354

N35 374 4AA 445 474 (Cont'd) AR

NR 14 CK 113 35 0807 1552 =

UTU TT7 3U6 3A4 TTU 773 354 N35 374 (Repeats message) AR

A HR MSG GA

NR 074 CK 19 35 0807 1624 =

UT5 TT7 3U6 3A4 TTA TTU TT3 773 357 373

N45 374 4AD N3D 4UT 445 346 D33 33D AR

MSG AGN

NR 074 CK 19 35 0807 1624 = (Repeats message) AR

A HR UP SB WK

4283//7553 kHz, 26-08, 0926 UTC, i.p.

MSG AGN NR 810 CK 151 35 0826 15.5 (Cont'd)

MSG AGN NR 808 CK 113 35 0826 0700

..3 UT3 TU6 3U4 3A4 TT4 773 (Cont'd)

ZNN SK

4243//7345 kHz, 27-08, 0931 UTC

33U4 A75T 464 (Cont'd)

AR HR MSG GA

NR 54 CK 142 35 0827 1709 =

UTU TU7 3U6 3A4 TTU 773 35A N3D 353 (Cont'd) AR

7G AGN

NR 54 CK 142 35 0827 1709 =

UTU TU7 3U6 3A4 TTU 773 35A N3D 353 (Cont'd) AR

A HR UP SB WK

UM03 – Chinese X2M net

7920, 8250, 8410 kHz, 02-08, 0112 UTC, i.p.

AR

03 03 CK 100 CK 100 TIME 0813 TIME 0813 DATE 0208 DATE 0208 = BQSKZ KZCFU DFUX...

DIGITAL MODES

HM01 - Dirección General de Inteligencia

HM01 RDFT file log by MDK2

Date (DDMMYYYY):	Numbers:	File name or repeat:	Frequency (kHz) and time(UTC):
01/08/2018	68286	48676828.txt *	11435 1600
	00122	63130012.txt *	
	38879	38533887.txt *	
	25547	40752554.txt *	
	31141	43553114.txt	
	75439	13327543.txt *	

* First transmitted in June 2018. None of these are new as of 01 July.

02/08/2018	68287	repeat	11435 1600
	00123	repeat	
	55561	81355556.txt	
	25548	repeat	
	31141	repeat	
	70421	02007042.txt	

81355556.txt appears to be in Chinese. 02007042.txt is encrypted.

03/08/2018	68288	repeat	11435 1600
	00124	repeat	
	55561	repeat	
	25549	repeat	
	31142	repeat	
	70421	repeat	

04/08/2018	68289	repeat	11435 1600
	00125	repeat	
	55562	repeat	
	27421	60032742.txt	
	31143	repeat	
	70422	repeat	

New file appears to be unencrypted Chinese text.

05/08/2018	80401	87448040.txt	11435 1600
	00126	repeat	
	55563	repeat	
	27421	repeat	
	31144	repeat	
	70423	repeat	

06/08/2018	80401	repeat	11435 1600
	00127	repeat	
	55564	repeat	
	27422	repeat	
	31145	repeat	
	70424	repeat	
07/08/2018	80402	repeat	11435 1600
	00128	repeat	
	55565	repeat	
	27423	repeat	
	31146	repeat	
	70425	repeat	
08/08/2018	80403	repeat	11435 1600
	04171	78440417.txt	
	55566	repeat	
	27424	repeat	
	31147	repeat	
	70426	repeat	
09/08/2018	80404	repeat	11435 1600
	04171	repeat	
	55567	repeat	
	27425	repeat	
	31148	repeat	
	70427	repeat	
10/08/2018	80405	repeat	11435 1600
	04172	repeat	
	11811	12311181.txt	
	27426	repeat	
	47321	07884732.txt	
	70041	57017004.txt	
11/08/2018	80406	repeat	16180 2100
	04173	repeat	
	11811	repeat	
	27427	repeat	
	47321	repeat	
	70041	repeat	
12/08/2018	80407	repeat	11435 1600
	04174	repeat	
	11812	repeat	
	27428	repeat	
	47322	repeat	
	70042	repeat	
13/08/2018	80408	repeat	11435 1600
	04175	repeat	
	11813	repeat	
	27429	repeat	
	47323	repeat	
	70043	repeat	

14/08/2018	80408	repeat	16180 2100
	04175	repeat	
	11813	repeat	
	27429	repeat	
	47323	repeat	
	70043	repeat	

REPEAT OF AUGUST 13's NUMBER SETS AND RDFT FILES.

15/08/2018	52011	76075201.txt	11635 2100
	04176	repeat	
	11814	repeat	
	42571	07134257.txt	
	47324	repeat	
	70044	repeat	

New file 07134257 appears to be in unencrypted Chinese. Number groups confirmed by Ary B, as I was busy with other stuff at this time.

16/08/2018	52011	repeat	16180 2100
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

17/08/2018	52011	repeat	16180 2100
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

18/08/2018	52011	repeat	16180 2100
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

19/08/2018	52011	repeat	11435 1600
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

20/08/2018	52011	repeat	11435 1600
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

21/08/2018	52011	repeat	11435 1600
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

22/08/2018	52011	repeat	11435 1600
	04177	repeat	
	11815	repeat	
	42571	repeat	
	47325	repeat	
	70045	repeat	

REPEAT OF AUGUST 15's NUMBER SETS AND RDFT FILES.

23/08/2018	52014	repeat	11435 1600
	33503	86283350.txt	
	11819	repeat	
	42575	repeat	
	58771	27835877.txt	
	02451	73860245.txt	

Finally progressing - looks like it's making up for four days, even though the repeats happened for seven. I copied nothing well on AUG 23, but did hear the new number groups. Files weren't received until AUG 24. Thanks to Ary B for confirming the numbers.

24/08/2018	52015	repeat	11435 1600
	33504	repeat	
	74741	37267474.txt	
	42576	repeat	
	58772	repeat	
	02452	repeat	

File appears to be unencrypted Chinese text.

25/08/2018	52015	repeat	11435 1600
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

Back to repeating the previous day's numbers.

26/08/2018	52015	repeat	10715 2200
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES.

27/08/2018	52015	repeat	10715 2200
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES.

28/08/2018	52015	repeat	16180 2100
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES.

29/08/2018	52015	repeat	11435 1600
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES. Broadcast started right at 1600, after carrier had been up for a few minutes. Did they reset the computer's clock?

30/08/2018	52015	repeat	17480 2200
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES.

31/08/2018	52015	repeat	11435 1600
	33504	repeat	
	74741	repeat	
	42576	repeat	
	58772	repeat	
	02452	repeat	

REPEAT OF AUGUST 24's NUMBER SETS AND RDFT FILES.

Sort by file name

File Name:	Nr group:	Date first transmitted (DDMMYYYY):
02007042.txt	7042#	02/08/2018
07134257.txt	4257#	15/08/2018
07884732.txt	4732#	10/08/2018
12311181.txt	1181#	10/08/2018
13327543.txt	7543#	23/07/2018 *
27835877.txt	5877#	23/08/2018
37267474.txt	7474#	24/08/2018
38533887.txt	3887#	23/07/2018 *
40752554.txt	2554#	25/07/2018 *
43553114.txt	3114#	01/08/2018
48676828.txt	6828#	26/07/2018 *
57017004.txt	7004#	10/08/2018
60032742.txt	2742#	04/08/2018
63130012.txt	0012#	30/07/2018 *
73860245.txt	0245#	23/08/2018
76075201.txt	5201#	15/08/2018
78440417.txt	0417#	08/08/2018
81355556.txt	5556#	02/08/2018
86283350.txt	3350#	23/08/2018
87448040.txt	8040#	05/08/2018

Sort by Date

Date (DDMMYYYY):	File name or repeat:	Numbers:
23/07/2018	38533887.txt	3887# *
23/07/2018	13327543.txt	7543# *
25/07/2018	40752554.txt	2554# *
26/07/2018	48676828.txt	6828# *
30/07/2018	63130012.txt	0012# *
01/08/2018	43553114.txt	3114#
02/08/2018	81355556.txt	5556#
02/08/2018	02007042.txt	7042#
04/08/2018	60032742.txt	2742#
05/08/2018	87448040.txt	8040#
08/08/2018	78440417.txt	0417#
10/08/2018	12311181.txt	1181#
10/08/2018	07884732.txt	4732#
10/08/2018	57017004.txt	7004#
15/08/2018	76075201.txt	5201#
15/08/2018	07134257.txt	4257#
23/08/2018	86283350.txt	3350#
23/08/2018	27835877.txt	5877#
23/08/2018	73860245.txt	0245#
24/08/2018	37267474.txt	7474#

Sort by number group

Nr group:	File name:	Date:
0012#	63130012.txt	30/07/2018 *
0245#	73860245.txt	23/08/2018
0417#	78440417.txt	08/08/2018
1181#	12311181.txt	10/08/2018
2554#	40752554.txt	25/07/2018 *
2742#	60032742.txt	04/08/2018
3114#	43553114.txt	01/08/2018
3350#	86283350.txt	23/08/2018
3887#	38533887.txt	23/07/2018 *
4257#	07134257.txt	15/08/2018
4732#	07884732.txt	10/08/2018
5201#	76075201.txt	15/08/2018
5556#	81355556.txt	02/08/2018
5877#	27835877.txt	23/08/2018
6828#	48676828.txt	26/07/2018 *
7004#	57017004.txt	10/08/2018
7042#	02007042.txt	02/08/2018
7474#	37267474.txt	24/08/2018
7543#	13327543.txt	23/07/2018 *
8040#	87448040.txt	05/08/2018

* these files were first transmitted in July 2018 and continued to be transmitted into August. Please see Numbers & Oddities # 250 for information regarding their initial transmission and a link to the July 2018 files.

HM01 RDFT file reference

All August RDFT files have been logged, all copies of received files are online and may be viewed or downloaded here:

<https://www.dropbox.com/sh/2aklr6l7fw9jhss/AACyNvLClyn7xdvRJfWCMqula?dl=0>

NOTE: Only txt files were sent in August 2018. There were no .f1c or .f1g files.

F01, F06, F06a, M42, M42a, M42b & X06

Russian Government & Intelligence



Linkz maintains a database that contains the digital experimental modes of the Russian diplo/intel community:

http://81.93.247.141/~linkz/RUS_XP.pdf Great job, linkz !

M42 – various modes

Freq	Date	UTC	Station	Mode
14650	1-8	1127	Russian diplo. Also at 1130 UTC, After X06: 215346	3000Bd PSK-8
15866	2-8	0635	Russian diplo/intel. i.p.	3000Bd 8PSK
17517	2-8	0719	Russian diplo/intel. i.p.	3000Bd 8PSK
12110	8-8	0736	Russian diplo/intel.	MFSK-66
6975	17-8	1019	Russian diplo/intel.	MFSK-66
12119	22-8	0735	Russian diplo/intel.	3000Bd PSK-8/MFSK-66

M42b – FSK 50/500

Freq	Date	UTC	Details	Mode
7708	6-8	0511	MFJQ wkg YDEW. Opchat in CW, Msg in FSK	FSK 50/500
5857	6-8	0551	LXMT wkg L5XS. Opchat in CW. Msg in FSK	FSK 50/500
5090	6-8	1125	UCU wkg RDK. RDK DE UCU QSY 5810	CW
5810	6-8	1126	UCU wkg RDK. QSY 6434 QRU NIL SK	CW
6773	7-8	0930	YF1W i.p. QSY 25416	CW
6837	7-8	1316	ZE4K wkg P8RK	CW
6807	7-8	1323	ZE4K Wkg P8RK (Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
5846	8-8	0828	PULK wkg MUNO: QSY 22681	CW
5322	8-8	0838	PULK wkg MUNO: QSY 11248	CW
5322	8-8	0847	PULK wkg MUNO: QSY 10438	CW
6791	8-8	0934	LM7K wkg W9SP. Traffic in FSK, opchat in Morse: QRU NIL SK	CW
5299	8-8	1440	FANV de PSDG QSY 91058 K	CW
5933	27-8	0601	G5S7 wkg I9IL QSY 92397	CW
6817	27-8	0642	SK8I wkg G3WM. QSY 4011 kHz	CW
11052	27-8	0651	L16V wkg ILM1 QSY 83913	CW
5333	28-8	0926	ONPA wkg TWF6 QSY 49059 QSA NO SK SK	CW

F01 – FSK 200/500

15854/13543/11126 kHz, 01-08, 1840/1850/1900 UTC

Null message:)576 100000+++++++162

F06 – FSK 200/1000

Link 00052

16046/14354/12228 kHz, 08-08/09-08, 0800/0810/0820 UTC

11166 00052 31245 07031 02529
30290 26117 49866 22078 41917 84802 63404 40426 63399 76284
08392 97356 10126 08543 01252 80673 70302 54970 80501 40483
40968 98277 28228 77712 42391 43673 92360 71215 91747 56127
23855 12087 14520 39529 11333 70046 64557 41120 48490 43172
48096 79317 35707 73923 40658 69024 56192 58316 52883 87738
62254 99963 28236 65491 27371 57239 37030 36993 47241 88397
70330 78280 01237 90981 74929 76344 28448 14654 63110 70009
97621 50858 22534 13597 57937 70094 99335 04222 27423 78375
76254 26220 94251 00963 40635 04712 39118 25286 70536 63588
32933 13708 39141 65502 28559 07528 68471 50457 56888 56676
56875 46187 87458 63647 86182 09370 12678 86092 08037 25279
02743 56754 70031 60620 82760 75054 83354 30873 09331 91368
03077 82584 21937 06707 50293 16179 63771 80414 24945 19940
80026 16281 82539 44952 35166 92179 34377 17346 44789 60417
78573 88167 94608 44972 37119 11361 35323 51367 95220 40495
11711 72197 61038 66239 22399 02661 75532 13943 73997 89351
77747 97559 59817 80957 05426 13232 32533 15443 26140 49856
70929 43691 92371 86298 84632 98687 91240 01826 88827 33781

75949 39441 35974 02008 93091 92244 54369 43517 17667 95362
30827 13142 19974 93434 46436 04547 25640 79328 81848 59470
80802 65447 43189 61223 00915 37209 94143 12729 92343 88178
04691 70903 40751 58231 46730 25764 83498 05859 83142 98241
19657 67205 37902 72572 37501 80940 30751 71844 68313 32031
41576 42050 58026 23828 72766 69014 35228 77993 71354 42549
96719 97856 33587 21410 62770 96484 67076 15826 64616 61200
31250 00000

16046/14354/12228 kHz, 22-08/23-08, 0800/0810/0820 UTC

11166 00052 31245 07031 02529
30290 26117 49866 22078 41917 84802 63404 40426 63399 76284
08392 97356 10126 08543 01252 80673 70302 54970 80501 40483
40968 98277 28228 77712 42391 43673 92360 71215 91747 56127
23855 12087 14520 39529 11333 70046 64557 41120 48490 43172
48096 79317 35707 73923 40658 69024 56192 58316 52883 87738
62254 99963 28236 65491 27371 57239 37030 36993 47241 88397
70330 78280 01237 90981 74929 76344 28448 14654 63110 70009
97621 50858 22534 13597 57937 70094 99335 04222 27423 78375
76254 26220 94251 00963 40635 04712 39118 25286 70536 63588
32933 13708 39141 65502 28559 07528 68471 50457 56888 56676
56875 46187 87458 63647 86182 09370 12678 86092 08037 25279
02743 56754 70031 60620 82760 75054 83354 30873 09331 91368
03077 82584 21937 06707 50293 16179 63771 80414 24945 19940
00261 62818 25394 49523 51669 21793 43771 73464 47896 04177
85738 81679 46084 49723 71191 13613 53235 13679 52204 04951
17117 21976 10386 62392 23990 26617 55321 39437 39978 93517
77479 75595 98178 09570 54261 32323 25331 54432 61404 98567
09294 36919 23718 62988 46329 86879 12400 18268 88273 37817
59493 94413 59740 20089 30919 22445 43694 35171 76679 53623
08271 31421 99749 34344 64360 45472 56407 93288 18485 94708
08026 54474 31896 12230 09153 72099 41431 27299 23438 81780
46917 09034 07515 82314 67302 57648 34980 58598 31429 82411
96576 72053 79027 25723 75018 09403 07517 18446 83133 20314
15764 20505 80262 38287 27666 90143 52287 79937 13544 25499
67199 78563 35872 14106 27709 64846 70761 58266 46166 12003
12500 00000

Link 10031

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

11166 10031 15987 08026 00049 00000 00000 00000 00000

17434/14369/11163 kHz, 22-08, 0915/0925/0935 UTC

11166 10031 13579 22001 00049 00000 00000 00000 00000

Link 10053

17428/15786/12228 kHz, 05-08, 1530/1540/1550 UTC

11166 10053 81451 05064 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 07-08, 1650/1700/1710 UTC

11166 10053 31254 07001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 12-08, 1530/1540/1550 UTC

11166 10053 15987 12064 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 14-08, 1650/1700/1710 UTC

10053 79513 14012 00049 00000 00000 00000 00000 00000

17428/15786/12228 kHz, 19-08, 1530/1540/1550 UTC

11166 10053 31254 19001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 21-08, 1650/1700/1710 UTC

11166 10053 13251 21068 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 26-08, 1530/1540/1550 UTC

11166 10053 79513 26012 00049 000000 00000 00000 00000

17534/15613/12215 kHz, 28-08, 1650/1700/1710 UTC

11166 10053 13579 28001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 01-08/02-08, 0600/0610/0620 UTC

11166 40122 32178 28085 03269

34492 08061 45638 30672 08869 26562 81299 75044 12543 11305
23493 11519 87972 81387 76768 83128 26772 52089 78534 56968
39681 28444 85671 51015 59434 63363 83904 74726 12488 59998
18362 75588 20523 23028 68760 08811 17682 88560 17668 72361
94453 87335 85259 74506 04161 20912 29015 26071 92989 55537
31807 74583 39477 63374 26788 22509 14425 65782 32547 96751
97147 58335 96948 61608 09014 22266 73104 92375 50206 52023
75907 51780 50647 53628 92575 36436 71010 93525 45634 85500
14786 02602 31774 68736 37295 65070 85031 96142 62638 46910
37719 16368 44474 43541 77548 96067 31592 51419 24380 97418
24203 93255 75046 95956 31892 51529 89667 05936 69173 89988
17921 05399 49569 67830 88677 78135 64175 76243 11465 14727
55623 51998 63178 39862 23401 47778 58487 58103 21450 63939
27362 35304 33994 71376 48179 57855 40521 80195 09825 36950
05863 33871 01235 50060 56314 33585 51820 36802 27725 22420
71211 91384 96494 84109 61745 18835 29422 36027 02156 47167
13341 21096 25884 12710 50468 28317 42462 60755 30427 96596
75397 28734 14856 81558 14996 04092 95554 90038 09571 74068
12111 11937 43459 09551 39926 04122 75302 50196 84597 06077
35006 83021 43579 91967 02845 31625 21073 88821 19113 98248
07068 15516 97798 25854 56492 22247 42690 72413 29387 35176
89357 14583 78061 35942 21458 22972 92155 30723 34793 76171
37546 88531 47555 05743 50045 53446 80204 89352 69819 60445
53411 34238 27462 09549 77505 18193 17674 77945 31863 80255
21471 74796 57671 78302 62871 68401 12518 55709 10984 40415
60225 84296 63451 46806 94378 75718 72178 90236 18986 78506
97280 33557 34702 02942 00190 09103 04057 40941 11864 03478
94122 73164 37030 22511 20067 80497 80394 66086 38016 02135
05773 67511 60669 07421 64059 77127 94117 73649 50984 94855
19276 87014 80594 81338 66390 08886 85396 02399 56052 74606
79091 86475 05141 16996 42847 99742 21162 31753 21049 68587
33387 26934 37449 04139 34257 23705 67677 08539 29474 00549
29026 67633 20220 98116 85324 00000

16346/14847/12223 kHz, 08-08/09-08, 0600/0610/0620 UTC. Two messages

11166 40122 46518 04086 02729

46324 93820 73030 38483 41594 05556 38217 44903 15874 86572
85031 55897 96766 27204 01744 70804 45894 35144 99740 86179
19143 30429 57218 58012 96543 88579 03598 67573 30213 74057
55608 45544 83800 31257 40956 34154 61876 25197 70542 91976
52700 49101 45140 71100 32804 41075 07492 21347 06831 77039
75750 01222 81060 32125 19202 00303 94071 27715 62218 02728
52965 06316 27366 46496 48589 01449 53610 58250 48214 94747
50560 68237 89076 77450 74680 35126 21247 58479 38421 35388

73247 86277 88180 96906 38862 76619 12075 81514 08577 63548
63409 46144 94083 15661 10821 37283 19292 84899 51019 98407
76280 80064 45055 95108 69621 82203 64071 87558 97532 44100
55454 05054 43277 41021 65340 02274 75250 64926 78404 01979
79204 79319 60869 53818 71036 76931 17681 63937 63572 07429
99772 75072 85807 67317 22376 01826 78012 69255 80291 50800
11161 32935 71081 80283 04114 64742 62100 79175 36990 18371
62318 69837 84168 53579 84860 64555 15355 35284 11213 30305
38156 40165 93022 41503 80592 62988 52430 25439 36991 39816
66884 30062 25693 30295 49352 68828 32016 26230 59894 22278
34910 78592 09507 01045 40739 60194 42205 99973 72631 06183
06250 98043 88830 99551 50482 83772 28494 93872 06692 10808
08363 90404 43953 13370 18754 11803 05880 36253 92302 39581
66715 59060 43899 07540 67224 19369 05254 68341 16291 64505
02523 75407 69185 86622 50449 47345 18430 20764 61434 07075
58194 10606 92993 12857 08168 71560 82029 23393 07838 05933
39356 64208 17124 49810 02911 87477 84286 56387 73108 42510
67066 45393 78746 99049 17977 73325 46923 90612 69705 04175
75395 70017 81535 85319 30813 94316 32756 58284 21272 81312
86270 00000

11166 40122 97841 04087 03029

73966 59057 16621 04835 72240 87633 14960 20981 11072 51494
78764 42501 31041 12693 89083 03513 22142 93247 91230 81733
03708 18514 30426 70429 52875 03246 00813 17244 67511 10004
56290 72123 74563 34628 56604 11499 19747 98444 47123 30939
99521 51893 95745 23432 21291 19275 35378 85512 02763 39296
85409 18403 46404 81103 50633 16357 49935 40496 21046 59409
38789 45992 20961 52695 31494 29459 80877 79548 73889 40971
30542 60551 03138 12602 36636 35728 27451 00819 33534 12079
32484 62191 20560 43624 50321 42078 24189 36157 51999 80994
48631 93895 49506 68339 63220 50216 18182 98176 00072 49646
75476 06755 60418 73330 76987 96448 53085 25129 15720 75817
13522 20553 35511 70465 76846 45715 94545 84383 03328 78497
39916 16476 79745 89100 79142 61943 45068 62181 59615 53220
13882 07765 91878 20148 96018 53103 77698 74076 35802 32688
28859 45580 19370 18588 87613 30465 23495 58308 84732 23780
04346 12363 96094 46489 49633 08731 83740 94517 42566 56402
32345 64839 11066 85191 17028 38315 60668 04009 63462 23940
14560 94769 86193 94222 09173 84149 16123 66346 18793 60344
53094 08839 07601 27045 04508 78395 32596 11808 95906 16586
45838 71000 64483 61101 69442 58526 71421 51235 41759 50495
94032 32307 58194 43051 83607 88676 55087 65518 99933 60081
10094 76079 58409 20944 57515 32152 50688 27367 42001 52665
24806 61487 59073 14412 35705 27879 55894 49679 02117 81699
90743 37328 30724 93255 74603 04522 93550 78686 43329 81284
69501 51451 33809 75081 86014 74292 62572 57604 21736 16391
30279 80949 56170 45370 00519 65383 77248 08865 26367 25876
82733 85310 23136 29582 36416 08679 10748 01484 65033 96808
74181 20352 06846 38051 15416 72231 47814 15894 95319 53632
06308 76264 88920 41618 52291 67198 02488 72976 71914 05557
25867 99651 13457 50483 18515 12645 75549 88280 52650 51552
87300 00000

16346/14847/12223 kHz, 15-08, 0600/0610/0620 UTC

11166 40122 68301 15023 00049 00000 00000 00000 00000

16346/14847/12223 kHz, 22-08/23-08, 0600/0610/0620 UTC

11166 40122 25648 18088 03879

25119 76488 32373 77904 15717 78618 02676 97512 03343 10282
56702 86324 41485 74844 65843 49123 68204 08274 13338 94072

59145 38001 57302 91614 40819 43040 00112 65120 62568 07575
25061 17952 50660 85183 86250 26651 92950 15901 62638 54918
27548 63295 12179 68086 33922 63755 87001 52766 49891 05170
95569 71359 62921 77188 22737 06116 49184 60260 43658 72436
58805 45612 92484 06100 70741 03394 71786 54094 65723 41133
13620 23765 90698 19730 28215 69937 13229 19142 01178 24720
89247 70973 25176 99676 92650 00146 77035 15036 80130 42832
76176 35652 89707 32858 85343 18387 96385 73733 39552 00604
73377 38532 14202 84460 32334 64778 68277 96697 41013 36546
23594 28596 41826 70956 66011 85799 19708 51243 79561 02688
92729 73607 49413 00993 23917 00012 94638 97331 77678 34130
16687 89360 69321 62625 74528 75226 81055 28945 22391 86004
42946 31828 71034 35817 02244 65702 58494 19315 29529 45168
41239 11200 35114 80746 41676 47500 94133 98087 12936 93263
03767 17824 06887 26360 21021 38255 56305 92093 54525 88048
07146 08302 08763 41154 61846 25619 04180 11107 19602 72622
21614 66916 24558 40509 44477 37723 57836 87027 97124 98410
34365 64323 02861 53367 90414 00405 10008 60575 72802 88908
59470 63220 65694 66849 92259 21008 15940 85050 20377 58379
42880 00936 09526 71799 43566 48369 47076 63324 29326 64239
93716 92618 54616 76466 42235 64624 24093 83116 31875 95051
88850 77329 91679 20901 67749 97720 11295 48184 54786 08973
62637 54040 98431 42278 20888 85438 63878 50342 58232 21649
14142 56615 08800 92663 70942 03460 28225 70771 41309 28926
96278 77463 20844 26824 36003 72847 09590 69798 47790 19788
01422 00058 81829 39922 32924 17489 97387 03770 02668 19806
82327 22109 96840 74444 31328 30807 82160 26883 06227 86300
52011 75075 26937 13901 36740 64678 66355 76127 14054 84779
47729 53240 80442 68792 67882 53172 69588 30216 94774 93040
28675 87947 12806 19429 88544 60830 14315 59626 88648 36129
60702 21012 42711 41621 61630 80769 56057 75984 45712 33121
30543 77173 21158 86273 18008 33475 49786 26249 08217 66923
82860 89810 62198 43771 32175 13645 26936 91687 74838 52009
92347 28401 15174 80021 76481 31433 52202 24784 49877 03652
26112 91521 35022 14302 42186 76930 41841 20216 95596 86923
25164 96885 45520 00953 75100 34088 12006 50106 76259 75746
94038 01155 96759 08717 32228 88385 00000

16346/14847/12223 kHz, 29-08/30-08, 0600/0610/0620 UTC. Two messages

11166 40122 87325 25089 03049
23226 34561 39142 87334 08564 10209 91760 70268 62189 71838
61072 90919 77207 12298 22923 61494 54572 10937 21973 19927
32079 72337 34149 85858 82996 13206 69804 20219 32755 39583
28555 43121 67149 81579 41695 89736 30471 77822 63168 08851
37030 26786 94993 33777 44485 47213 58110 80327 62434 14807
44572 51516 94694 67367 12022 53690 38705 95590 06388 53779
90507 61684 23746 32335 28719 13013 47278 12069 75955 82943
20258 66562 61128 96088 41022 38835 31062 20134 90841 24477
84859 31430 30644 99000 29464 86543 27523 94136 79847 16958
96966 52732 52270 89094 71748 16951 24033 96866 33416 29466
58185 78928 67313 52325 16602 77830 27076 33181 09878 83244
19542 73566 57479 26467 45996 78921 56589 18380 60719 95026
83071 48047 32741 60570 73011 84154 21768 30500 58256 46457
04200 49873 54397 39448 10181 82876 24629 65406 57636 26713
67928 59041 94198 65037 04989 10894 82998 40631 60336 71702
93237 52002 64087 54912 81471 03600 21763 79517 74574 64329
25616 20416 90279 14052 05886 58482 56272 82764 45451 47526
13744 12145 06279 40337 16362 94139 41145 40995 60585 66295
89031 75648 08269 68517 77667 98916 87482 90940 81618 78149
82498 67595 09399 22686 48871 95571 18012 50327 14558 84349
78372 08210 53004 65001 40052 90251 39144 13937 68767 18372

24252 70891 55067 79668 90567 55840 17647 36738 71659 14522
49732 53331 49434 47269 81956 02522 63751 00818 60194 49589
95573 27806 61761 26791 09585 43620 98435 42222 67222 35307
79738 89934 46055 02212 34894 53526 26449 33050 16926 20366
31451 49089 37323 48652 30838 68132 04703 54491 45259 68987
65918 11187 11416 61117 73044 77916 94215 89150 24680 99994
56833 26938 55004 47907 24617 40858 69027 87297 03792 27039
47462 97102 40870 52198 69671 78016 33730 52781 28114 18476
30296 72089 32731 10354 75744 40085 28715 31543 94189 25555
76094 37630 89302 00000

11166 40122 32980 25090 02449
12037 72511 20280 09563 50488 64217 86121 25641 16691 81622
91728 79667 82326 14946 22240 42633 03782 28317 84326 52943
73361 59608 24056 99500 03416 84801 67508 18542 79310 26604
82587 96445 42188 11985 85465 95674 87442 08327 40079 46054
89864 92877 24147 68572 91378 35190 60117 23882 12313 97238
34497 02701 72148 80898 54001 00292 30676 77474 11949 42215
85495 98972 63358 53536 86810 95788 32165 88675 55432 90521
99011 64097 14959 82578 43033 61007 74040 03270 36096 90270
19684 26085 12905 36710 07531 61824 65428 25000 60045 93289
35087 74319 08547 29204 01121 33968 40032 82064 88590 17121
34718 99607 44449 74924 05241 04571 55113 78103 73463 22445
03974 98279 45804 01905 92290 06181 73050 57600 71900 28937
05574 89997 63181 33643 79896 61964 56703 29378 97545 36768
22014 04873 82123 07204 71987 44001 25544 70511 56176 86303
59363 28785 81608 24705 12148 19558 84459 57633 38813 06249
01043 37724 32874 83163 11551 84283 57540 74731 54996 51719
56602 33665 38771 71109 31035 67740 91279 07108 92260 49871
31073 97362 28016 91176 50922 66652 41748 81718 40279 32902
51486 28609 94540 47297 59121 46163 84577 35653 26037 77796
84951 33253 16020 54335 84259 30321 91401 18461 26045 70333
73348 69933 53716 68349 02261 11315 57899 41541 59202 98872
49677 69132 34299 28330 08144 23903 53054 10186 75706 42476
96506 14261 99584 26556 76176 88172 42940 92309 49734 79422
14065 10085 88325 15792 87082 01643 31500 23711 12584 87104
90670 89317 90242 00000

Link 40133

16289/14461/12176 kHz, 04-08, 2100/2110/2120 UTC

11166 40133 13254 04038 00049 00000 00000 00000 00000

16289/14461/12176 kHz, 11-08, 2100/2110/2120 UTC

11166 40133 13254 04038 00049 00000 00000 00000 00000

16289/14461/12176 kHz, 18-08, 2100/2110/2120 UTC

11166 40133 79513 18012 00049 00000 00000 00000 00000

16289/14461/12176 kHz, 25-08, 2100/2110/2120 UTC

11166 40133 36987 25001 00049 00000 00000 00000 00000

14354/12226/10308 kHz, 04-08/05-08, 1100/1110/1120 UTC

11166 50046 31246 03049 01249
 67237 61151 15224 34085 04609 54371 68689 54737 43703 50349
 63317 67760 19512 76515 90558 14452 27009 82347 70322 63938
 15933 15881 98502 03503 95393 42566 60348 34616 28358 80543
 36211 70937 75612 84842 04913 87848 37946 99091 63382 13955
 85124 10424 56520 98433 04414 36953 88719 79601 01595 22003
 42169 50124 80280 37446 35305 81334 64696 61783 44481 02523
 95510 46780 69892 26144 45729 84436 94132 98563 99447 06438
 21912 43838 67244 84861 89286 99974 84319 60181 88818 66792
 85450 64924 76798 72514 54461 38570 17756 80771 97568 19193
 67451 71095 99923 03372 97346 88880 34056 34586 71191 27738
 33367 61623 35691 93552 50824 76651 39359 29765 51082 35121
 13843 03930 27847 24458 22745 57641 83352 58954 78059 61397
 83426 12177 49122 00000

14354/12226/10308 kHz, 11-08/12-08, 1100/1110/1120 UTC

11166 50046 97538 10050 01029
 29396 97869 13195 46320 66768 80089 66550 66072 05862 86057
 61288 79005 59734 31378 11172 02390 70807 77218 49667 03504
 40024 04427 37135 03990 78529 47738 14519 59600 42644 89264
 53754 83983 98023 85331 91345 17194 28016 97856 22385 60450
 23251 14804 01555 24683 35089 27532 19328 65863 87948 77988
 13505 91126 97990 11070 75908 72027 41575 36394 15842 08154
 91266 44965 54567 47947 20317 42366 24471 01067 30444 85417
 83838 52913 72061 87436 77738 74638 50830 40793 73101 23982
 90713 56321 38723 06746 03011 89407 71727 63488 06422 07431
 21972 83653 66982 74616 43823 36716 75285 76933 04236 54348
 50100 00000

14354/12226/10308 kHz, 18-08/19-08, 1100/1110/1120 UTC

11166 50046 78532 17051 00829
 45146 51165 15224 34085 82518 44385 68689 54737 21612 40353
 63317 67760 07808 87052 19861 02550 99245 50475 60435 68996
 33568 81493 97061 46804 96079 73332 87526 65266 98584 49920
 81802 78927 08459 29176 34691 28815 63629 19489 20176 10406
 35247 30157 78080 22761 73563 15890 93399 20606 23363 39436
 26711 99815 76572 58867 76054 08275 75054 88006 31086 06192
 32270 51804 72530 58208 03634 52224 01003 21015 60666 95111
 30581 45066 10650 50567 17382 15009 19714 58885 91894 80838
 51080 00000

14354/12226/10308 kHz, 25-08/26-08, 1100/1110/1120 UTC

11166 50046 15938 24052 00269
 66457 91172 15224 34085 03829 84392 68689 54737 42923 80360
 63317 67760 31018 01908 95660 66414 73962 33774 07496 43993
 05610 25370 14870 18471 52024 00000

9936/8095/6943 kHz, 14-08, 0030/0040/0050 UTC

11166 60070 48153 14074 00049 00000 00000 00000 00000

9936/8095/6943 kHz, 21-08, 0030/0040/0050 UTC

The first group was sent as 11100 at 0030 and 0040 UTC and as 11166 at 0050 UTC

11100 60070 15987 21074 00049 00000 00000 00000 00000

11166 60070 15987 21074 00049 00000 00000 00000 00000

Link 70004

16186/14571/12195 kHz, 11-08/12-08, 0900/0910/0920 UTC

11166 70004 57342 10010 00519

31761 22499 82941 31169 42816 22297 32260 37836 28172 15005

47538 67803 23832 71741 11987 64606 41491 09072 18777 25640

12624 46887 17667 46532 14356 04296 83128 95975 57707 44136

97472 91373 57555 20783 66325 25702 84505 46547 98145 87937

24853 19967 64500 78641 79388 11612 69052 45924 37255 10049

00000

16186/14571/12195 kHz, 25-08, 0900/0910/0920 UTC

11166 70004 57342 10010 00519

31761 22499 82941 31169 42816 22297 32260 37836 28172 15005

47538 67803 23832 71741 11987 64606 41491 09072 18777 25640

12624 46887 17667 46532 14356 04296 83128 95975 57707 44136

97472 91373 57555 20783 66325 25702 84505 46547 98145 87937

24853 19967 64500 78641 79388 11612 69052 45924 37255 10049

00000

Link 70048

14976/13373/11168 kHz, 01-08, 0800/0810/0820 UTC

11166 70048 59214 01043 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 08-08, 0800/0810/0820 UTC

11166 70048 23871 08071 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 15-08, 0800/0810/0820 UTC

11166 70048 08746 15049 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 22-08, 0800/0810/0820 UTC

11166 70048 36215 22071 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 29-08, 0800/0810/0820 UTC

11166 70048 75321 29043 00049 00000 00000 00000 00000

Link 70059

10748/9139/7424 kHz, 06-08, 0400/0410/0420 UTC

11166 70059 17935 06020 00049 00000 00000 00000 00000

10748/9139/7424 kHz, 20-08, 0400/0410/0420 UTC

11166 70059 31254 20001 00049 00000 00000 00000 00000

F06 link 70147 was active ton 4 and 5 August, repeating the message of 28-7. It's not supposed to be sending on week 1.

12229/10178/8025 kHz, 04-08/05-08, 0800/0810/0820 UTC

11166 70147 98751 27086 03609
 80714 83103 99688 58128 66380 63980 82480 94306 72174 57311
 87744 84902 90778 50868 14263 49824 67277 26699 38641 85353
 36059 84332 54269 22417 37641 11505 13255 35108 86475 53065
 26150 33596 97468 55289 22175 92860 77675 62280 89333 63504
 78647 87936 56561 92072 33147 37475 52844 40806 94217 00364
 21672 17144 50823 29751 80874 09223 25381 36290 27971 39123
 05760 45768 01441 11101 08018 98943 49367 28514 51996 30403
 56538 97635 44295 54725 24118 92406 81780 87306 83400 80198
 58672 07641 22779 15836 07383 87212 54587 12038 49182 04581
 32117 31332 38572 25989 54365 86167 95714 70765 12893 86690
 49327 65025 72042 59552 85188 95137 92692 74632 71123 38783
 22162 66506 22043 26081 85779 76013 42008 15381 40630 57537
 77131 96139 41237 74168 46603 51888 18965 02683 78778 08852
 50915 27126 19190 07143 12100 40845 94037 74009 86743 48600
 12997 38626 25856 65622 00773 08302 54695 13896 05806 66259
 09763 56572 02936 12614 55876 33945 83236 63600 66016 62578
 06935 83552 91133 47532 25736 30252 18830 53208 06604 99719
 46571 78649 07714 01435 25314 66800 01025 74666 37421 94713
 29589 89425 70389 60578 40456 78216 01725 22822 23423 43288
 41890 29527 49425 81384 80516 83168 27140 84649 16274 53536
 49409 28780 40657 05792 54597 79960 62547 65577 19825 06998
 45937 32547 93213 29531 17999 22978 38845 09225 71268 26885
 73514 65084 88928 96296 23490 19502 66315 24748 00506 06752
 13681 29404 71646 28837 26123 77052 20775 86683 08862 71233
 47108 89504 70724 18527 63535 52770 83400 26703 82272 41209
 08313 41461 77716 44965 34572 99957 22631 74228 47839 09632
 00588 62972 22686 66466 21739 62362 81937 92799 71742 78715
 51036 77297 47242 11926 99707 69312 25830 10962 74951 18005
 98019 11020 15866 05663 36765 95630 71930 48513 65261 10743
 87152 44123 33658 81499 90848 66233 11477 24387 87733 72772
 58941 73701 85100 46921 62315 89716 91090 87037 19934 23353
 13770 39891 68974 68443 96734 35435 93937 60600 65315 50885
 74875 71161 21833 06974 44720 75811 03789 03190 90312 13630
 21837 59774 69478 14130 51656 42067 49222 38495 64784 98848
 11922 39042 12047 40605 47210 92130 17970 86777 30252 87491
 19280 47291 74179 09223 15288 28626 10885 41763 86358 00000

12229/10178/8025 kHz, 11-08/12-08, 0800/0810/0820 UTC

11166 70147 85317 10087 01269
 48704 24497 98559 60463 24370 04274 81351 06641 30164 98605
 86615 96247 10698 91082 25491 50137 42436 18485 03720 59825
 80064 76274 84944 24792 40472 16160 67635 53512 68848 61966
 96255 17570 36186 57520 44373 54624 48183 25166 69158 72390
 00689 59764 55825 13714 94024 99566 74771 16838 51317 89889
 60102 37332 40990 89585 43249 65930 43970 21216 61201 32720
 25840 85074 26080 70195 99942 89901 02485 40464 23258 70299
 18822 35660 27166 27777 09957 88463 30041 63170 85158 11663
 16815 06705 38277 68623 27347 66955 04130 69950 41852 40089
 41735 09706 27018 07610 34213 15022 31096 27293 74996 77008
 78906 32002 32240 17278 00439 13794 33635 78970 06959 16743
 87256 02009 98044 90773 35476 15012 36799 51565 38661 97583
 50443 31313 63442 01469 87124 00000

12229/10178/8025 kHz, 25-08/26-08, 0800/0810/0820 UTC

11166 70147 35741 24088 01529
85795 23100 90688 58128 61361 03987 83480 94306 77155 97318
88744 84902 42867 28001 58562 56960 45810 55415 69634 35575
88110 65775 21679 90952 29418 59919 95013 47804 91310 21436
17186 70073 83217 88218 97437 93872 53983 85419 66890 90220
48387 63643 22838 49873 91349 49301 25931 94573 13206 98844
08594 53861 58958 39205 31136 00306 37542 49299 85774 95685
76105 97623 27582 60702 90966 93353 47491 72433 01726 69293
93293 74103 54878 69577 16682 38496 01472 03945 96049 17798
79460 40877 56518 17239 36191 06574 07789 36851 01671 70608
45213 35814 95098 06939 31781 42259 03195 14823 42230 03909
10206 97796 02270 73499 32810 58608 72836 06116 51847 09005
10102 37910 81288 28648 48348 89832 06724 14515 94526 92842
58798 39992 91542 40276 01323 51551 99670 85971 91887 71747
57902 72826 36052 18721 58926 72172 49447 92014 12030 57405
01142 69838 11577 58781 44065 47455 38068 26712 32256 53474
88150 00000

Link 80214

14978/11216/10164 kHz, 02-08, 1330/1340/1350 UTC

1166 80214 82465 02045 00049 00000 00000 00000 00000

14978/11216/10164 kHz, 09-08, 1330/1340/1350 UTC

11166 80214 12378 09003 00049 00000 00000 00000 00000

14978/11216/10164 kHz, 16-08, 1330/1340/1350 UTC

80214 15639 16053 00049 00000 00000 00000 00000

14978/11216/10164 kHz, 23-08, 1330/1340/1350 UTC

11166 80214 72416 23089 00049 00000 00000 00000 00000

14978/11216/10164 kHz, 30-08, 1330/1340/1350 UTC

11166 80214 15639 30079 00049 00000 00000 00000 00000

X06 - Mazielka

Code	Freq	Date	UTC	Sequence
X06	13838	1-8	0635	Sequence: 256341
X06	17430	1-8	0806	Sequence: 214356
X06	12138	1-8	0822	Sequence: 362154
X06	16115	1-8	1110	Sequence: 215346
X06	14650	1-8	1119	Sequence: 215346
X06	15866	2-8	0635	Sequence: 436512 (Clashing with 3000Bd bursts on the same freq)
X06	17468	2-8	0635	Sequence: 436512
X06	16276	2-8	0700	Sequence: 314265
X06	18575	2-8	1236	Sequence: 352416
X06	14501	3-8	1002	Sequence: 361245
X06	12194	3-8	1020	Sequence: 625413
X06	13547	3-8	1027	Sequence: 625413
X06	12157	7-8	0751	Sequence: 164532 / 165423 (Started with 164532, while it should have been 165423. Break at 0804-0806 UTC. Returned with the same wrong scale. Stopped briefly at 0808 UTC, and returned with the correct sequence
X06	13524	7-8	0757	Sequence: 125643
X06	14655	8-8	0811	i.p. Sequence: 164253
X06	13843	9-8	0811	i.p. Sequence: 153624 Ended 0816z
X06	14970	28-8	1015	Sequence: 216354
X06b	13438	5-8	1820	Sequence: 111666 before XPA2
X06b	14738	5-8	1821	Sequence: 111666 before XPA2

X06b	14438	5-8	1824	Sequence: 111666 before XPA2
X06b	14738	5-8	1825	Sequence: 111666 before XPA2
X06b	13438	7-8	1821	Sequence: 111666 before XPA2
X06b	14738	7-8	1822	Sequence: 111666 before XPA2
X06b	13428	7-8	1826	Sequence: 111666 before XPA2
X06b	14738	7-8	1827	Sequence: 111666 before XPA2
X06b	14738	7-8	1830	Sequence: 111666 before XPA2
X06b	12080	9-8	0817	i.p. Sequence: 111666 Ended 0818z
X06b	14663	10-8	1752	Sequence: 111666 before XPA2
X06b	14663	10-8	1755	Sequence: 111666 before XPA2
X06b	13438	12-8	1850	Sequence: 111666 before XPA2
X06b	14738	12-8	1851	Sequence: 111666 before XPA2
X06b	13438	12-8	1854	Sequence: 111666 before XPA2
X06b	14738	12-8	1855	Sequence: 111666 before XPA2
X06b	13438	12-8	1858	Sequence: 111666 before XPA2
X06b	14738	12-8	1859	Sequence: 111666 before XPA2
X06b	14647	15-8	1741	Sequence: 111666 before E07
X06b	16147	15-8	1743	Sequence: 111666 before E07
X06b	14647	15-8	1749	Sequence: 111666 before E07
X06b	16147	15-8	1752	Sequence: 111666 before E07
X06b	16147	15-8	1822	Sequence: 111666 before E07
X06b	13438	19-8	1819	Sequence 111666 before XPA2
X06b	13438	19-8	1824	Sequence 111666 before XPA2
X06b	13438	19-8	1831	Sequence 111666 before XPA2
X06b	13438	19-8	1853	Sequence 111666 before XPA2
X06b	14647	20-8	1802	Sequence: 111666 before E07
X06b	16147	20-8	1804	Sequence: 111666 before E07
X06b	14647	20-8	1806	Sequence: 111666 before E07
X06b	16147	20-8	1807	Sequence: 111666 before E07
X06b	14647	20-8	1824	Sequence: 111666 before E07
X06b	16147	20-8	1825	Sequence: 111666 before E07
X06b	12172	25-8	0814	Sequence: 111666 before XPA2
X06b	12172	25-8	0820	Sequence: 111666 before XPA2
X06b	12172	25-8	0822	Sequence: 111666 before XPA2
X06b	10278	27-8	0650	Sequence: 111666 before XPA2
X06b	10278	27-8	0652	Sequence: 111666 before XPA2

XPA

10868/12168/13368 kHz, 01-08, 0600/0620/0640 UTC

813 813 813 000

01772 00001 00000 35660

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

813 813 813 000

02712 00001 00000 35653

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

813 813 813 000

09496 00001 00000 36272

10868/12168/13368 kHz, 13-08/15-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
00132 00111 84061 58422 25096 52808 76519 95108 05097 58651
92710 20557 03182 96534 83755 44206 00498 75571 00292 66997
76285 23413 66271 33942 38077 66889 98819 54061 83389 20325
67113 94429 89024 11368 17738 61974 96821 73837 59621 83325
35808 28230 50253 86202 63488 61379 61672 02190 47183 79098
96911 24267 38512 18876 32754 28802 36246 85227 57436 66565
04607 61293 87266 52380 29460 49945 48050 06786 27256 25714
78956 49275 92797 13250 17804 65546 42713 36518 87763 41720
03434 50830 23124 24681 19114 61532 60774 68081 33653 14449
23963 42483 62113 64354 79672 56742 17108 54445 93608 91639
09354 15852 92122 09362 31302 70941 27885 74807 81061 41716
50384 89598 09990 05061

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

813 813 813 000
05419 00001 00000 37656

10868/12168/13368 kHz, 22-08, 0600/0620/0640 UTC

813 813 813 000
08267 00001 00000 35666

10868/12168/13368 kHz, 27-08/29-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
00383 00135 52116 80842 67770 03069 78530 71245 86832 22194
42096 87495 88143 98341 44921 39184 66436 80385 19494 51186
15514 74250 10134 83769 55167 25130 67407 25951 60923 11279
50833 17207 71592 61319 34086 11286 84735 59251 07541 19994
68485 70654 48595 69086 55794 19938 82857 43488 96951 28158
67672 81782 81341 07766 22088 69522 04918 67891 77119 52420
82852 98981 66952 19487 78293 44922 09189 79060 46363 38313
67336 09675 36024 65741 28409 28772 67637 51604 02489 50498
52608 04207 85623 27844 24801 58715 93229 34537 51026 58636
87107 94456 71132 73590 29264 87726 39309 40647 48479 77083
86846 01175 34244 23217 93140 69903 59567 63877 39273 77755
20523 01598 56780 13030 74399 52967 39921 76117 98831 12776
55301 50332 74654 04274 70881 91242 61201 81722 43146 67643
57694 61024 25591 89787 12219 22760 90367 50552

XPA2**14372/13372/12172 kHz, 02-08/04-08, 0910/0930/0950 UTC**

00388 00125 45765 36583 14501 25018 80706 60358 72919 67251
13539 90720 32898 08457 82409 12671 49489 01003 05825 44735
07023 07415 38500 57495 09121 11790 13722 57766 17451 78456
94030 93444 55864 51193 86235 94736 53337 27067 06847 77703
79613 42361 74018 69523 00286 16269 39357 95800 24777 60030
34020 69912 01775 95944 20799 00059 94974 00704 77863 78800
85070 39401 84507 11567 59477 70048 48772 74040 77881 34746
67481 35963 86184 00209 03318 97504 42117 81238 42417 11052
45187 37611 65686 84037 79520 86192 55082 95838 12690 26556
76940 63442 84295 00460 91420 86452 14680 19558 65036 18427
49217 83845 21579 32009 34603 65747 63097 84373 11675 29629
21745 20826 70664 67151 94143 20885 42736 68588 69824 39592
54617 74779 31595 89268 74199 91109 20942 54065

16167/14663/13923 kHz, 03-08, 1900/1920/1940 UTC
03559 00001 00000 40260

16167/14663/13923 kHz, 04-08, 1900/1920/1940 UTC
01423 00001 00000 34653

14738/13438/12138 kHz, 05-08, 2000/2020/2040 UTC
08269 00001 00000 36666

10278/12178/13478 kHz, 06-08/08-08, 0700/0720/0740 UTC
00131 00201 49400 14871 15454 56084 67812 82147 71909 32686
44220 24048 64784 37896 12886 87486 40481 58771 76378 95425
14703 87544 14654 35159 34867 50146 84077 46132 97813 77659
75392 61531 61810 74510 13833 83020 77358 60217 57103 04481
89951 74563 49711 71936 59129 74047 80580 00157 02254 82801
43717 03077 54559 75605 17482 13743 85894 99104 27505 92340
86689 14833 50883 84358 25244 69915 47724 54268 19894 69962
22477 93967 63468 21834 79824 57767 05436 30185 59055 55781
57470 85210 22715 14855 92131 79604 46125 94253 37444 91031
14764 63715 53693 91915 06094 31384 79356 10480 49116 11514
29414 04428 79369 62386 11866 95585 49536 78647 19953 45051
34570 41207 04253 17924 07351 58549 10980 63761 13506 16530
15018 88725 96866 25818 03178 93853 22320 62015 33243 64657
87021 15436 44313 58326 64485 43853 76139 53774 01418 44634
06749 90958 06821 66074 76443 58190 78426 10114 16879 05307
36714 27287 49431 57374 15849 00692 63670 93507 99343 71164
97640 77865 88238 25384 95383 62175 06241 89622 48814 63487
55322 01214 06933 43305 40164 30495 34744 17792 27894 14205
49268 91242 97276 85315 10661 39225 47467 91111 15912 26554
15349 72962 43536 62090 60163 42894 47540 09113 87574 88488
32275 38049 25117 23630

14738/13438/12138 kHz, 07-08/12-08, 2000/2020/2040 UTC
03253 00091 75875 85893 96343 78194 98279 91890 14377 53799
74785 08017 62497 09400 01672 23374 64061 92258 94669 39273
80391 09520 32918 48934 94920 98805 26380 64376 10897 77312
87712 49983 37961 28918 41224 15144 18767 26877 24294 89415
43239 09178 50258 54177 60910 41618 49197 63588 43719 61469
58932 98963 31985 27342 29013 69297 77420 45133 16588 89791
83049 85856 01999 98626 70049 28284 56338 41333 19576 13860
24118 17511 51083 11991 95042 36927 46146 92987 68451 64886
74408 27775 67695 99097 26138 96509 06263 94396 13082 04174
97418 04200 30688 53762

14372/13372/12172 kHz, 09-08, 0910/0930/0950 UTC
03306 00001 00000 35653

16167/14663/13923 kHz, 10-08, 1900/1920/1940 UTC
07586 00001 00000 36667

16167/14663/13923 kHz, 11-08, 1900/1920/1940 UTC
02667 00001 00000 37660

10278/12178/13478 kHz, 13-08, 0700/0720/0740 UTC
03535 00001 00000 36256

14738/13438/12138 kHz, 14-08, 2000/2020/2040 UTC
01968 00001 00000 41657

10278/12178/13478 kHz, 15-08, 0700/0720/0740 UTC

01968 00001 00000 41657

14372/13372/12172 kHz, 16-08/19-08, 0910/0930/0950 UTC

04827 00139 59228 38677 45981 86363 45863 06388 43701 04040
07185 15424 58050 80465 91614 10491 98307 42055 49775 22157
64453 29775 51992 97110 04655 90252 08533 38789 32654 37562
17655 63973 34217 88501 17173 54831 13943 65438 40805 89016
80767 67462 17197 58835 01962 43124 56609 08660 14515 39072
69439 38276 97963 12012 85306 95054 49361 30938 20115 17839
12939 23866 11082 07241 25884 87509 33935 47256 54336 94307
27910 45534 29203 16226 94818 56243 76622 81693 65996 22993
66688 90039 51667 04860 18826 02435 40090 08102 43723 75122
19265 07368 93488 28877 43561 16431 50090 62435 71833 15775
61604 95547 23325 63971 48513 28733 33868 22629 09603 85465
70674 22906 37012 24972 27375 76301 88344 18890 45995 67293
66685 23856 39292 82480 50053 21510 63129 96456 43269 17061
95708 88689 90048 82274 70383 38094 18364 95996 37462 34770
08518 53070

16167/14663/13923 kHz, 17-08/18-08, 1900/1920/1940 UTC

00289 00145 34147 48160 06713 01107 39433 68743 47127 59417
39793 89664 57496 80856 18138 22667 70303 58442 07201 79870
33403 91187 39685 74895 61806 37982 10484 85519 09922 48274
40574 68535 01713 92094 17363 87046 95434 41934 73124 22571
28768 34529 46329 00105 46853 97265 98393 65482 49114 40073
00424 48871 81028 15642 25230 87293 53046 86551 47007 77069
43822 75774 57726 31664 19185 41160 93759 39553 19511 47482
04260 74377 90315 35283 11620 55446 22906 28112 68692 46026
16683 85355 99944 06200 24791 87333 72522 25208 25811 41777
83638 41628 33750 46652 08884 80700 65706 44119 93744 06570
31164 96649 57464 29976 56618 35275 88290 08749 59561 09357
42778 62557 44549 82910 85653 29270 69469 78420 11587 47020
52171 50760 47443 32151 82733 64009 90397 83628 82315 72504
74093 27092 24286 78441 41850 64834 40766 19101 90291 83175
41539 02804 10931 54630 96256 77359 96894 55137

14738/13438/12138 kHz, 19-08, 2000/2020/2040 UTC

04641 00001 00000 34660

10278/12178/13478 kHz, 20-08/22-08, 0700/0720/0740 UTC

05015 00185 36290 41314 87615 22302 59868 05583 53134 21545
47535 65387 22063 08628 36330 83802 47029 30820 28799 70848
88800 21971 35570 21067 35628 30065 65810 19050 06229 42091
55209 73653 12045 36822 54000 71093 14251 69186 54066 47606
07560 53927 38961 55025 68360 72965 12323 44247 95373 33686
43778 73404 00031 39286 02352 80675 04384 82480 03830 95578
07339 16961 22775 28545 65165 28895 34505 53318 03041 44332
85052 61296 66843 79252 60224 34058 65810 03838 80868 85073
78865 63030 36028 72460 89264 15327 08879 13858 66861 68035
60566 56785 14456 88830 00868 08336 48586 83380 03738 23066
53380 44353 22045 97508 02382 26082 63860 66860 38303 30833
88265 67563 84801 46086 83268 38474 65764 09520 46680 18822
80344 48832 21381 08033 36370 86000 48556 42463 02204 78758
30442 09362 43824 96327 55955 32023 76015 15574 18864 52440
98995 99996 50490 70287 09094 06728 05704 81886 75023 06318
26235 80604 82063 53600 23001 66288 86368 35306 87355 00603
60337 84133 30004 64223 13360 82082 53055 36556 38870 06280
38000 06206 06725 59726 44960 38877 26216 69880 08327 20883
31388 64854 08278 83330 51825 66650 76364 00326

14738/13438/12138 kHz, 21-08/26-08, 2000/2020/2040 UTC

00501 00087 49827 38080 88943 78710 80694 63675 44970 59286
32100 12392 83429 18100 36393 45147 44759 94361 32920 77878
18416 35758 51702 41905 06418 01323 03651 79940 39263 00269
74993 99988 89251 02141 76468 25638 86254 60141 01300 76176
87215 68997 61128 34095 73716 29864 75715 98926 36386 37014
05338 00773 36434 55245 40707 82909 06625 95978 45942 20754
86412 07671 81065 89591 44218 20197 70986 74552 84519 01609
60208 49486 74941 29468 06701 41481 31206 69308 71248 67346
53286 72931 29394 60028 23537 88154 81096 33921 98464 17204

11574 kHz, 22-08, 0850 UTC. New schedule. Other freqs not found

08785 00115 80814 97538 91273 03633 12910 74074 59760 59463
42890 52587 08057 82476 01672 64946 45354 50317 20289 91005
93836 33630 94648 90014 08436 90712 40897 03232 11781 34280
40521 54028 13901 88639 79616 64466 57580 28918 40694 59533
80235 55638 89079 56809 76403 77387 16710 33792 67808 00326
53465 26314 53083 52867 65851 55448 37243 25311 75106 80219
35651 23487 95861 26291 84239 84351 86664 70043 36497 05589
05143 42901 44697 66447 58549 49222 06599 41972 22950 09224
90855 00434 17590 46197 73123 60940 51809 27784 22959 83498
72483 15655 85631 51861 83784 31768 13324 97643 49964 50925
38978 32151 51302 59359 89591 48974 33114 27889 16515 36781
50025 33148 37748 50528 97879 46912 47241 43463

14372/13372/12172 kHz, 23-08, 0910/0930/0950 UTC

05401 00001 00000 33655

16167/14663/13923 kHz, 24-08, 1900/1920/1940 UTC

07469 00001 00000 37665

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

07200 00001 00000 32257

16167/14663/13923 kHz, 25-08, 1900/1920/1940 UTC

04581 00001 00000 34264

10278/12178/13478 kHz, 27-08, 0700/0720/0740 UTC

09363 00001 00000 34267

14738/13438/12138 kHz, 28-08, 2000/2020/2040 UTC

04813 00001 00000 36655

10278/12178/13478 kHz, 29-08, 0700/0720/0740 UTC

08960 00001 00000 35666

14372/13372/12172 kHz, 30-08, 0910/0930/0950 UTC

06851 00001 00000 35663

16167/14663/13923 kHz, 31-08, 1900/1920/1940 UTC

05424 00001 00000 35257

F11

13424 kHz, 06-08/08-08, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 36766 87878 30521 89526 75686 29542 34670 44053

62682 12727 50272 05007 32546 29344 37543 41940 31437 64599

26194 21302 00699 27803 27505 09322 14335 32206 39231 02169

46644 52531 18195 30541 77942 29735 88888 88888

00038 00038

6280 kHz, 07-08/08-08, 1150/1155 UTC

0325 0325 0325 0325 0325

88888 88888 86754 43174 47104 79453 02039 80903 51632 53317

58768 40153 76594 66085 09945 76770 27580 84736 76986 27949

19368 97384 55306 59338 47528 85236 12010 42098 58882 46170

24518 13978 46058 88888 88888

00035 00035

XM

4191 kHz, 04-08, 2020 UTC. Feed back

Recording: <http://www.numbersoddities.nl/XM-08-04-2020utc-4191khz.mp3>

DIPLOMATIC STATIONS

North Korean diplomatic stations

Freq	Date	UTC	Mode
12850	2-8	0808	DPRK-ARQ 600 LSB
12850	9-8	0809	DPRK-ARQ 600 LSB
12455	9-8	0819	DPRK-ARQ 600 LSB
12750	9-8	0819	DPRK-ARQ 600 LSB
12215	15-8	0735	DPRK-ARQ 600 LSB
16033	23-8	0801	DPRK-ARQ 600 LSB
12850	30-8	0805	DPRK-ARQ 600 LSB
18038	31-8	0457	DPRK-ARQ 600 LSB
14449	17-8	1347	DPRK-ARQ 600 LSB
14565	17-8	1347	DPRK-ARQ 600 LSB
14115	17-8	1349	DPRK-ARQ 600 LSB

Egyptian diplomatic stations

Freq	Date	UTC	Mode
12226.7	5-8-	0804	SITOR-A 100/170
11171.7	15-8	2102	SITOR-A 100/170
11116.7	17-8	1301	SITOR-A 100/170

UTILITY ROUND-UP

North Korean Military

Both JPL and F5JBR submitted a lot of North Korean military logs. Too much to cover them all in N&O. UDXF members can access F5JBR's logs in the UDXF logs directory.

4780 kHz, 01-08, 1642 UTC, i.p.

VVV QME (x3) DE 3Z9 (x2) QRU
1987 1987 VA VA T T

3633 kHz, 01-08, 1723 UTC, i.p.

20143 4.223 6.795 44977 67830 03865 74543 0..
11029 7009 50117 01793 20241 422.3 ..379 .44977 ...830 -3865 7.542 K
QRU K
VVV OMN (X3) DE WCV (X2) QSL QTC AS (Cont'd)
QTC NR 09 15 = = 2EEEEEEE
QTC 0915 = =
20915 12802 94542 63625 731.3 2 7005. 54943 20115 35433 89897 ..80898
514.2 ... 8776 ..5877 0906. . 87.850 - 8788
ABV A...NR 09 15 = =
20915 12802 94542 36.57 ABV
QTC NR 95 = =
10905 32802 945.. 36237 31.02 70050 EEEEE 700 EEEEEEE
4050 54943 (Cont'd)
ABV QTC 09. 5 = =
20915 1280. 95542 362.. (Cont'd)

3764 kHz, 01-08, 1800 UTC, i.p.

VVV NIU DE HTB QTC
QTC RR 70W 13 =
70071 56073 900 EEEEE 90185 7.957 06660 64..0 .0025 72711 09925 821.6
14007 07139 7.817 K
ABV QTC NR 70W 13 =
70071 56073 90185 71957 06660 04420 30025 72711 .9.25 82216 14007 07139 78817 K
ABV QTC NR 70W 13 = repeats message K

3640 kHz, 01-08, 1703 UTC, i.p.

84327 86010 34849 88631 34501 75409 13202 84980 K

3640 kHz, 01-08, 1756 UTC, i.p.

81558 09.94 22877 55977 77405 82462 97335 34489 05156 K

3640 kHz, 01-08, 1840 UTC, i.p.

AJC DE LNK QSL QTC K
QTC NR 09W 9 =
95896 39462 78182 41098 76221 .0343 41963 0.0.. 797.. K
ABV QTC NR 09W 9 = (Repeats message) K

4814.7 kHz, 02-08, 1043 UTC

VVV DC7 DE TPG QRU
1914 1914 K
VVV KGK DE KFB QSA ? (Same station, just changed c/s)
DE
1934 QS. ?
OK K
93 RO
1943

1909
PT882
1964
1 BK BK BK 1980
1900
1901
1952
QRU 1 ?
OP ?
OP D
1953
1953
1986 QSA 1 ?
QRU K
1953 QSA 1 QRU K
CM914 K
DE
1984 QSA 1 QRU K
DE
1980
BK BK BK BK 1980
PT999 QSA 1 QRU
K
DE 19
1900
DE 1967
1967
OK
R QSA 1 QRU
R QSA 1 QRU K
DE 1942
???
DE 1904
DE 1904
1920
DE 1904
DE 1904
DE 1904
DE 1942
DE 1904
VVVV ???
DE 1942
DE 1904

5442.5 kHz, 02-08, 0731 UTC

VVV CQ de PK2 QTC NR 310.330 QTC NR 320.350
QTC NR 310.330 QTC 99 28 = =
22903 12674 73462 13599 64044 93105 88128 56071 40276 67481
01312 53659 85129 21602 96472 57059 59812 73872 01094 59064
67989 54864 27321 38821 80041 22132 50399 91174 K
ABV QTC 99 28 = repeats message K
QTC NR 320.350 QTC 99 35 = =
81875 74200 03877 17630 87250 89571 88303 46507 00740 57621
84491 63129 77744 32121 47412 43939 42547 98544 71705 82311
90418 07291 86892 65680 63965 97299 08413 35188 00297 42541
51069 46833 08875 39817 70692 K
ABV QTC 99 35 = repeats message K
QRU SK

5022.5 kHz, 02-08, 1230 UTC, i.p.

V7W QSA 5 QRV K

QTC K

QTC NR 04 W24 =

47482 56907 22118 51475 10410 27585 54971 33355 31225 14258

22630 09484 88614 99006 61386 66933 59703 71427 00995 20086

83105 58675 77397 17956 89617 19855 03714 93411 54303 28941

47481 47758 08461

QRU SK

4763.0 kHz, 02-08, 1327 UTC

VVV VVV VFH de 2PK QTC 24 15 =

22202 24015 50853 05773 29615 37777 57972 88772 00476 76422

11658 05144 95511 49806 10684 K

ABV repeats message

QRU SK

4928.5 kHz, 02-08, 1414-1434 UTC, i.p.

QSA 5 QSA ? K

QTC K

QTC NR 99 W31 = =

84375 96328 23729 08590 62120 67737 27250 60176 79502 25626

57873 44036 30224 74940 21148 62202 10720 56448 53924 27455

54081 50505 19055 79211 64295 45845 38899 88150 14601 91353 62031 K

QRV K

QSL QRU K

HLA de CIO QSA ? K

QSA 0

306.38 K

TW2 de CIO QSA ? K

QSA 2

306.38 K

QTC NR 99 W31 = =

84375 96328 23729 08590 62120 67737 27250 60176 79502 25626

57873 44036 30224 74940 21148 62202 10720 56448 53924 27455

54081 50505 19055 79211 64295 45845 38899 88150 14601 91353 62031 K

QRV K

QSL QRU K

4830.5 kHz, 04-08, 1330 UTC, i.p.

VVV GL2 DE IN8 QSA ? K

QSA 2 ?? 39 QSA 3 ?? 39 K

4928.5 kHz, 04-08, 1336 UTC, i.p.

13? K

13 ? K

14 ? K

15 ? K

16 ? K

QSL QSL QRU SK

4928.6 kHz, 04-08, 1357 UTC, i.p.

40481 06574 91735 81561 31731 72129 08107 86260 K

QRV K

3? K

3 ? K

J8L J8L

8? K

9 ? K

11 ? K

14 ? K

1 16 ?
17 ? K
22 ? K

4976.5 kHz, 04-08, 0734 UTC, i.p.

ABV QTC NR 336 QTC 01 11 =
27307 54175 9086854072 14339 94766 43432 95355 31434 08283 07916 K
QTC NR 336 QTC 02 15 = =
18881 30073 31485 02212 76388 37492 41290 32534 51209 59478
04578 03547 18366 97511 75674 K
ABV 02 15 = =
18881 30073 31485 02212 76388 37492 41290 32534 51209 59478
04578 03547 18366 97511 75674 K
QTC NR 345 QTC 02 11 = =
72198 59042 54671 54981 73626 23539 30214 21257 00563 67561 55218 K
ABV QTC 02 11 = =
72198 59042 54671 54981 73626 23539 30214 21257 00563 67561 55218 K
QRU SK

5022.5 kHz, 05-08, 1152 UTC

V7W wkg 2XN 1MM
QTC 99 34 =
35100 86668 06642 64133 71793 90911 07963 13234 40687 12543
88591 95130 86036 05193 05342 82255 53455 79066 50206 74317
29368 23325 17834 36231 84303 19239 30208 95704 17808 84770
47933 65765 43593 19091 K

3762.5 kHz, 05-08, 1818 UTC

R28 wkg OAZ
QTC NR 03 W26 =
2370947247 00190 73260 12824 25931 17110 84662 09147 18971
89859 69819 2315 67060 39525 95444 18923 46498 65269 65005
77512 93854 33093 21388 12960 88468
ABV QTC NR 03 W26 =
2370947247 00190 73260 12824 25931 17110 84662 09147 18971
89859 69819 2315 67060 39525 95444 18923 46498 65269 65005
77512 93854 33093 21388 12960 88468 K

4711kHz, 05-08, 1627 UTC

VVV D3J (x3) DE CDR (x2) QTC QSL
K QTC 04 15 = =
62837 72664 10164 79646 88407 00572 27394 07038 53240 65695
54058 48678 83689 39061 32268 K
ABV ABV
QTC 04 15 =
62837 72664 10164 79646 88407 00572 27294 07038 63230 65695
54058 48678 83689 39061 32268 K
A QRU SK 000

3647 kHz, 05-08, 1645 UTC

ABV QTC NR 04 124 =
32399 .8500 68168 01.389 66918 57964 00682 ... K

3602 kHz, 06-08, 1443 UTC

VVV 4KX DE AB8 QRU K
3499 3499 SK SK

3647 kHz, 06-08, 1700 UTC

VVV D3J DE FNP QSL QTC 6.22 = =

00787 95856 65059 40773 96846 25657 46107 60993 94059 46739
11786 92255 18691 74822 57107 84043 00950 51183 14943 96209
13801 82803 K

ABV 64 QTC 05. 3 QSL QSL QTC 05 22 =

00787 95856 65059 49773 96846 25657 46107 60993 94059 46739
11786 92255 18691 74822 57107 84033 00950 51183 14943 96209
13801 82803 K

3647 kHz, 06-08, 1724 UTC

VVV 3F9 (x3) DE U3U (x2) QSA ?

3762.5 kHz, 07-08, 1834 UTC, i.p.

VVV NW NW 1 =

52782 22489 54127 00918 68347 58580 87240 23164 05635 20552
18785 84941 03225 15547 44725 61697 90380 65892 12394 63506
68569 42900 685.5 25111 72069 85786 09011 96726 05631 55227
47759 35510 36060 74623 05857 63716 89559 24985 36298 60302
21259 52127 61602 46641 57198 74952 47260 35119 K ?

OK U

VV FG9 (x3) DE AH9 (x2) QRU (Different station from the one who sent the above message)
6446 6447 SK SK

5344 kHz, 24-08, 0802 UTC

VVV CQ (x2) DE 9BA (x2) QSA ? K

5200 kHz, 24-08, 0831 UTC

VVV Z9A (x2) DE TRZ (x2) QSA ? K OK QSA. VA

3374 kHz, 25-08, 1608 UTC

VVV TMN (x3) DE GJF (x2)

QTR 10 QSA ? K

3628.7 kHz, 25-08, 1912 UTC

VVV EGS (x3) DE 5O5 (x3) QSA ?

QSA 1 QSA ? K

= 8512 8513 K

= 888 K

= 7777 K

VVV EGS DE 5O5 QSA ?

VVV F41 DE 5O5 QSA ? K

VVV EGS DE 5O5 QSA ? K (Cont'd)

EGS DE 5O5 QSA ?

VVV EGS QSA.. QSA ? K

= 8512 8512 K

= 7777 K K K

VVV F41 DE 5O5 QSA ?

5749.8 kHz, 28-08, 0635 UTC

WMA DE 3MC QRK 1 QSY 44 QSV K

3690 kHz, 28-08, 1230 UTC

H761 wkg H721 H722 H771 H751 H731 H728 HMJ71

4401 kHz, 31-08, 0814 UTC

VVV LV CQ DE 34X QSA ? = 76278 76278

Japanese Air Force

Logged by F5JBR

5315 kHz, 28-08, 0938 UTC, CW	VVV JJX25 VVV VVV JJX25 AR
5055 kHz, 28-08, 0950 UTC, CW	JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22
3195 kHz, 28-08, 0955 UTC	JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22
2671 kHz, 28-08, 1000 UTC, CW	JJU22 wkg JJU33 JJZ44 JJU55 JJU66
2685 kHz, 28-08, 1000 UTC, CW	JJT44 wkg JJT30 JJT88 JJW35 JJV89 JJV40 JJW46 JJS76 JJT99
3210 kHz, 28-08, 1000 UTC, CW	JJT88 wkg JJX25 JJX36 JJZ59 JJZ48 JJZ26
3195 kHz, 28-08, 1010 UTC, CW	JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22
3587.5 kHz, 28-08, 1010 UTC, CW	JJT88 wkg JJS21 JJR20 JJT77 JJT22 JJT46
3852.5 kHz, 28-08, 1015 UTC, CW	JJZ37 wkg JJZ82 JJX58 JJX47 JJZ71 JJZ50 JJZ93 JJZ60
2356 kHz, 28-08, 1020 UTC, CW	JJS21 wkg JJR75 JJS65 JJS54 JJR64 JJR31 JJR42 JJR53
3691 kHz, 28-08, 1020 UTC, CW	JJT88 wkg JJT20 JJT55 JJS32 JJT33 JJV23 JJV90 JJT44
3650.5 kHz, 28-08, 1030 UTC, CW	JJT88 wkg JJV34 JJV56 JJT66 JJV67 JJW24

Japanese Army

Logged by F5JBR

4925 kHz, 28-08, 0650 UTC, CW	ÔÛMÂ wkg ÜZÂKi ÔÛRKi
4515 kHz, 28-08, 0702 UTC, CW	XtN1e wkg FÂC FchN
4014 kHz, 28-08, 0716 UTC, CW.	ÔÂKiÂ wkg OÂOÂ ÔSKiS UMÔÂ PkiÔP ÔZÔM ÔMKiM OÔUZ
2421 kHz, 28-08, 1000 UTC, CW	PÔÛR wkg 11 Outstations: PÔÂZ,; PÇPÇ, PÂMP, PÂDÇ, PÛPÛ, PÛVZ, RÔSÔ, PÛÇP, RÔÂM, RÔDÂ, RÔÛÇ. PÂÂR is the collective callsign
2590 kHz, 28-08, 1030 UTC, CW	ÂOÇZ wkg 20 outstations: ÂMÔÛ, ÂMÛÇ, ÂZÂM, Â..., ÂÛÇÂ, ÂÇPÇ, ÂDÇÛ ÂRÛM, ÂPÂR, ÂÛÇÛ, ÂMÇÇ, ÂÇKM, ÂZÇU, ÂÇÛD, ÂZÇR, ÂOÛR, ÂÂÂD, ÂSÛO, ÂÂÇD, ÂPÛZ. ÂJÂS is the collective callsign

Jammers

5830 kHz, 13-8, 1507 UTC	Jammer for Radio Free Asia, via Tinian
7335 kHz, 29-8, 1530 UTC	Jammer over Radio Marti

Unid stations

4138 kHz, 31-08, 0832 UTTC. i.p. Logged by JPL

ZZT OPD (x3) = = PPOIR (x3) K
= OPD (x3) = PPOIR (x3) K
PPOIR (x3) K
RPT (x2)
= = AA
MRPT RPT
OK ZZT
R R AA EEEEE RR TTUU BBAA =
RR TTUU BBAA
= RR
OK
= PPOIR PPOIR PPOIR PPJ IR
K K K C ZSL ZSL ?
ILR
= UUOO PPHH H
O NO NO
ZZT UUOO PPHH HHHH
AS (0843z)
ZZT RO = OST = NARU'HENIJ = NET K AR

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

03-08	0556	Resurgent	30 chr EAM	F553UN S5PY6JOTDDFVWIJPK2CZI7OV
03-08	0559	Resurgent	30 chr EAM	F5PRFW VV5KWG64Z776NO6XWSHPGSLQ
03-08	0607	Resurgent	30 chr EAM	F5SXR2 KLN4UWGR7ERTICR5F2W7YDZC
03-08	0614	Resurgent	30 chr EAM	F5GKKD PBJKTWQQEVQKFGVTLAIXFTW2
03-08	0619	Resurgent	30 chr EAM	F5FJXC DMAKYD6FF6JMN2TH7GZWHXUG
03-08	1748	Resurgent	30 chr EAM	F55JKQ XHQ5EKXORIAUMJGOQECYJOM4
03-08	1755	Resurgent	30 chr EAM	F53HRW 7KPMRWJNZ4VG3EXHMB6VG7FA
03-08	1818	Resurgent	30 chr EAM	F57UXI IUWAPI6RR6QOBVNGSDOCBW7V
03-08	1830	Resurgent	30 chr EAM	F57UXI IUWAPI6RR6QOBVNGSDOCBW7V
03-08	1832	Resurgent	30 chr EAM	F53HRW 7KPMRWJNZ4VG3EXHMB6VG7FA
03-08	1834	Resurgent	30 chr EAM	F55JKQ XHQ5EKXORIAUMJGOQECYJOM4
03-08	2033	Resurgent	30 chr EAM	F56FDT Q242Z274KFEQTOOECEOVXBZP
03-08	2103	Resurgent	30 chr EAM	for Pete ITWWGY B55JL5O47DHZTX4MNTICVB2P
03-08	2140	Resurgent	30 chr EAM	for Pete ITB6KD K4K7VBDEHSNE5M34QG7MBZWR
03-08	2253	Resurgent	30 chr EAM	F5XEKD X3WLLYJBQCZ65LPVDHT6DPYC
03-08	2256	Resurgent	30 chr EAM	F5WWM4 U6XYGNYS5ZI5CC3RG6HF72VL
03-08	2340	Resurgent	30 chr EAM	F5WWM4 U6XYGNYS5ZI5CC3RG6HF72VL
03-08	2343	Resurgent	30 chr EAM	F5XEKD X3WLLYJBQCZ65LPVDHT6DPYC
04-08	0616	Possible	30 chr EAM	F5USNC U2Z5AXDDWDB2II2TELPZ2RGT
04-08	0619	Possible	30 chr EAM	F5OUC3 WP2WBZ7KSDXOULLV3T6Q6RFX
04-08	0628	Possible	30 chr EAM	F5OAWT 2R45E5FVAQXZW3LFVK5W6NXQ
04-08	0633	Possible	30 chr EAM	F5HPOH 7V7AV4Z2L2CKPYL3CNJKINZ4
05-08	1454	Ball Foot	30 chr EAM	for Frank ITFE4I CQC6FBDUGAB7HCLKEOQWNQI3
05-08	1503	Ball Foot	30 chr EAM	F5PMWN ROIV7ZC4XABQ2BCIJ5FPKN3H
05-08	1507	Ball Foot	30 chr EAM	F5O6Q5 UVFTBJ26IHGEMB245GI34OKN
05-08	1514	Ball Foot	30 chr EAM	F5KBBU 6N6CAJK3DAWTQT5VH5QWVUKH
05-08	1531	Ball Foot	30 chr EAM	F5TRIK FNRGDRVRNHW6NM73ORIEHCD
05-08	1535	Ball Foot	30 chr EAM	F5I3KN OEY34T7WDOSUPSCMHX2V6P7K
05-08	1646	Ball Foot	30 chr EAM	for Adalo-25 ??? ITEKDJ DXVSI6FCVJJZGTYDL2OLC2G7
05-08	1707	Ball Foot	30 chr EAM	for Frank ITRSSR WVY4OCJ2DC2WF5WIBYQH642A
05-08	1717	Ball Foot	30 chr EAM	F5QYR3 ZSZVMZQ3XNPXVUVP6LGV0Y4P
05-08	1727	Ball Foot	30 chr EAM	for Rent ITCSZF WMNNSHFPQEMKKJY7AAS4ZOMM

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AnEur, JPL, F5JBR, WP3, AB

M32 - Russian / CIS Military CW Stations

14411 kHz, 02-08, 1220 UTC

XXX XXX M7A2 M7A2 59053 30363 KARPOOeEH 3997 7365

14411 kHz, 06-08, 1725 UTC

RDL RDL RDL 95389 76487 95389 76487 95389 76487 K

7817, 10561, 14108, 13396, 13398, 14552, 15808, 16223 kHz 02-08, 1212 UTC

WEGI XXX XXX WEGI WEGI 35627 DVUTOSÊR 5717 6820 STÂGOCHNEK 8404 1037 K

7817, 10561, 14108, 14552, 16223kHz 02-08, 1212 UTC

WEGI XXX XXX WEGI WEGI 31074 55252 25548 WALOSKAK 4603 3693 PROREZANIE 5608 2905 FAJLOKRAH 6948 4681 K

6892 kHz, 02-08, 1720 UTC

BUHN BUHN BUHN DE FKLS FKLS QSY 34491 QSY 34491 K

10762 kHz, 07-08, 0923 UTC

RDL: WEGI XXX XXX WEGI WEGI 65988 56672 IRLANDIÂ 8869 2325 K

10766 kHz, 07-08, 0935 UTC

RDL: M7A2 XXX XXX M7A2 M7A2 __ _ SKATOSÔES 3346 __ _

10766 kHz, 07-08, 1212 UTC

RDL: WEGI XXX XXX WEGI WEGI 19230 TUOPAR 8555 1028 K

8627 kHz, 07-08, 1325 UTC. RMP to REO

878 11 7 1603 878 = 22222 03034 23980 70352 05924 75133 76142 20136 64895 43164 07010 AR

7817//10561 kHz, 08-08, 0802 UTC

WLHN WLHN WLHN 372 =

MMMMM HZLCHB VWZÛV UOÂZV VRDWL UOÂZV VRDWL UOÂZV VRDWL NOUEE DWÛAF DRPNS YDSÛG PIPÂE = K

7817//10561 kHz, 08-08, 1202 UTC

WLHN WLHN WLHN 905 =

LTCHSO CEOZI HMQYF GSPHS HMQYF GSPHS HMQYF GSPHS ODRLR ÛENZB PIPÂP = K

10561 kHz, 10-08, 0802 UTC

WLHN WLHN WLHN 777 =

ZEGEX IODCC ÂTNCHH KHZGA ÂTNCHH KHZGA ÂTNCHH KHZGA AAREC SVGSC CHGLTÛ OLQDÔ GRÔFI ÂPPÂE = K

10561 kHz, 18-08, 0802 UTC

WLHN WLHN WLHN 382 =

DDDDD CHQCHDB MCZED WDWPN GÂKCHR WDWPN GÂKCHR WDWPN GÂKCHR YSKQE GÂIWW GQEÛZ BOAIÂ ÂIPÂE = K

10561 kHz, 18-08, 1202 UTC

WLHN WLHN WLHN 380 =

MMMMM YUCHÔ CCHVGA FZHYC TYLEW FZHYC TYLEW FZHYC TYLEW ÔOADF ÂIPÂP = K

12158 kHz, 22-08, 0751 UTC

XXX XXX WEGI WEGI 56119 87180 96981 40322 20847 22393 MULOWRUN 9000 5904 GALUN 8219 8819

12158 kHz, 22-08, 0756 UTC

XXX XXX WEGI WEGI 43589 60290 12007 OTBELXQICA 7189 3415

14411 kHz, 22-08, 0808 UTC

XXX XXX WEGI WEGI 86391 96981 MULOWRUN 9000 5904 GALUN 8219 8819

14411 kHz, 22-08, 0811 UTC

XXX XXX WEGI WEGI 10816 60290 OTBELXQICA 7189 3415

14411 kHz, 22-08, 0837 UTC

XXX XXX VD9B VD9B 08963 99836 SOAe 7779 4434

14842 kHz, 27-08, 0919 UTC

XXX XXX WEGI WEGI 68068 GAWANA 61 66 7717 XXX XXX WEGI WEGI 68068 GAWANA 61 66 7717 K

5911 kHz, 25-08, 0603 UTC

XXX 8S1Q ZAKROJNYJ 1514 K

10561 kHz, 18-08, 0802 UTC

WLHN WLHN WLHN 382 =

DDDDD CHQCHDB MCZED WDWPN GÂKCHR WDWPN GÂKCHR WDWPN GÂKCHR YSKQE GÂIWW GQEÛZ BOAIÂ ÂIPÂE = K

10561 kHz, 18-08, 1202 UTC

WLHN WLHN WLHN 380 =

MMMMM YUCHÔ CCHVGA FZHYC TYLEW FZHYC TYLEW FZHYC TYLEW ÔOADF ÂIPÂP = K

7817, 7931, 10561, 12593, 13396, 14108, 14552, 15808, 16223 kHz, 23-08, 0750 UTC

XXX XXX WEGI WEGI 04736 96739 16592 07218 23477 50018 ZÂBKIJ 2371 5343 TOMOKREN 9104 4744 K kHz

10561 kHz, 23-08, 0755 UTC

XXX XXX WEGI WEGI 84358 61953 38933 GULOBEG 7149 3794 K

10766//14411 kHz, 23-08, 0808 UTC

XXX XXX WEGI WEGI 78227 16592 ZÂKIJ 2371 5343 TOMOKREN 9104 4744 K

10766//14411 kHz, 23-08, 0811 UTC

RDL: XXX XXX WEGI WEGI 69143 61953 GULOBEG 7149 3794 K

10561 kHz, 24-08, 0750 UTC

XXX XXX WEGI WEGI 65386 31590 68233 58977 21976 66033 SEJFOTÂTÂ 3199 7329 SWIQOBAR 3975 1807 K

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

3719 kHz, 01-08, 1807 UTC

RJD93 DE RAG57 QSA ? QTC K

RAG57 DE RJD93 QSA 1 QRV K

RAG57 225 14 1 2100 225 =

FM RAG57 FOR RJS45 RJS48 =

01181 99459 11410 41697 328808 10180 49990 52035 70100 83003 22262 BT AR RAG57 K

RJD3 325 K

RAG57 QRU K

VVV RJD93 DE RCQD QSA ? QTC K

RJD93 DE RCQD QSA ? QTC K

RCQD DE RJD93 QSA 1 QRV K

RCQD 822 15 1 2100 822 BT

FM RCQD FOR RJE60 RJS45 RJS48 =

01181 99440 11458 41698 43512 10180 40020 54000 70210 22200 00120 = AR RCQD K

RJD93 NR 822 RPT 8 K

RPT 54000 K

RJD93 R 822 K

RCQD OK QRU K

8345 kHz, 02-08, 0610 UTC

RIT DE RJP96 242 16 2 0907 242 = FOR RJH74 RJH45 =

02061 99700 10149 41498 82097 10130 40170 54000 71222 861// 22263 88000 80000 02013 = + RJP96 K

8345 kHz, 02-08, 0711 UTC

RIT DE RKB91 173 14 2 0925 173 = FOR RJH45 RJD38 =

02061 99571 10205 41898 21905 10270 40220 42020 70202 8///// 22242 02011 = + RKB91 K

12464 kHz, 02-08, 0605 UTC. RJS81: PM-82 repair ship ?)

RCV DE RJS81 352 15 2 0900 352 = FOR RJH45 RJE73 =

02061 99369 10125 41991 02305 10230 40150 50400 71200 80000 22233 00210 02012 = + RJS81 K

12464 kHz, 02-08, 0802 UTC

RIW DE RJI63 OK QAP K

QSU1 QSA1 K OK QSU1 QWH 8788 QSX 8270 K

QSU1 SK - QRV K - NR 510 RPT 45 K 510 70 2 1125 510 = FM RAA =

06975 26529 26590 78025 59924

12464 kHz, 02-08, 0835 UTC

RIW DE RGR70 OK QAP K
OK QRR3 SK K
RGR70 OK QYT4 QWH ..

12464 kHz, 02-08, 0846 UTC

RIW DE RJP96 QSA3 K
OK QAP K
407 65 2 1130 407 = FM RAA =
18516 76462 22562 93515

12464 kHz, 02-08, 1204 UTC. RJS81: PM-82 repair ship ?

RCV DE RJS81 175 15 2 1500 175 = FOR RJH45 RJE73 =
02121 99365 10140 41998 22305 10260 40150 50400 70200 86000 22233 00210 02012 = + RJS81 K

12464 kHz, 02-08, 1210 UTC

RIW DE RKP32 QSA3 QSA? K
RPT 820 75 2 1110 820 = FM RAA = 74373 67119 31839

12464 kHz, 02-08, 1218 UTC. RMJA: KIL-158

RCV DE RMJA= SML FOR JH45 RJE73 =
02121 99348 10353 41597 32406 ... 83200 22262 00283 20101 88000 80000 02015 = + RMJA K

12464 kHz, 02-08, 1506 UTC. RJS81: PM-82 repair ship ?

RCV DE RJS81 563 28 2 1800 563 = FOR RIW RMP RMUZ =
11111 96136 42172 06911

12464 kHz, 02-08, 1758 UTC. RJS81: PM-82 repair ship ?

RIW DE RJS81 292 15 2 2100 292 = FOR RJH45 RJE73 =
02181 99360 10154 41998 03204 10270 40150 50400 70200 80000 22233 00210 02012 = + RJS81 K

12464 kHz, 02-08, 1805 UTC. RMJA: KIL-158

RCV DE RMJA 383 15 2 2101 383 = SML FOR RJH45 RJE73 =
02181 99343 10344 41497 52506 10283 40020 54000 70200 82100 22252 00273 02012 = + RMJA K

3719 kHz, 02-08, 1800 UTC

RJY52 DE RJD93 QSA 3 QRV K
RJY25 81. . 2100 25 7 =
FM R.... FOR RJ..5 R H48 RJZ.. =
02181 995.. 11417 ...
RJD93 DE RCQD QSA ? QTC K
RCQD DE RJD93 QSA . QRV K
RCQD .7. 9 =
FM RCQD FOR RJE60 RJH45 RJH48 =
02181 99445 11472 41... (Russian naval vessel position reports)
RD93 DE RAG57 QSA ? QTC K
RAG57 DE RJD93 QSA 3 QRV K
RAG57 447 14 2 2100 447 =
FM RAG57 FOR RJH45 RJH48 =
02181 99441 11065 41998 (Cont'd)

3719 kHz, 03-08, 1800 UTC, i.p.

VVV RJD93 DE RCQD QSA ? QTC K
RCQD DE RJD93 QSA 1 QRV K
RCQD 964 15 3 2100 964 =
FM RCQD FOR RJE60 RJH44 RJH48 =
03181 99445 11378 41698 43510 10120 40040 54000 70210 22200
00100 = RCQD K (Russian naval vessel position report)
RJD93 R 964 K
RCQD OK QRU K

3201 kHz, 04-08, 1450 UTC

RJU50 wkg RCC

QTC SML FM RJU50 FOR RJH45/RJH/48/RJE30 =

04151 99493 11550 41/92 2403 10085 40065 57005 70022 8/// 22252 00// 2//// = AR

RJU50 K

3398.5 kHz, 06-08, 1512 UTC. RJD99 wkg RMU

SML = PROGNOZ POGODY S 19 ÖAS 5 AWGUSTA DO 19 ÖAS 7 AWGUSTA RAJONY 65 69 70 WETER 65 69 RAJONAH ZPADNYJ ÜGO ZAPADNYJ 7/12 M/S WTOROJ POLOWINE 5/10 M/S 70 RAJONE PEREMENNYJ 5/10 M/S WOLNENIE 65 69 RAJONAH 3 WTOROJ POLOWINE 2/3 BALLA 70 RAJONE 2/3 BALLA OBLAÖNOSTX 6/9 BALLOW 300/600 M MESTAMI DOVDX MOROSX WIDIMOSTX 4/10 KM ÄWLENIÄH 2/4 KM MOROSI KRATKOWREMENNO MEDEE 1000 M TEMPERATURA PLÜS 5/10 GRAD RLN NORMALXNAÄ MOROSI KRATKOWREMENNO PONIVENNAÄ AR

6877 kHz, 06-08, 1535 UTC. RIT wkg M7A2

RLO de RIT QTC SML =

PROGNOZ POGODY S 19 ÖAS 6 AWGUSTA DO 19 ÖAS 7 AWGUSTA RAJONY 67 = 68 WETER SWERO ZAPADNYJ ZAPADNYJ 7 = 12 PORYWY 15 M/S WOLNENIE 3 = 4 BALLA ÄWLENIÄ MESTAMI DOVDX MOROSX WIDIMOSTX 4 = 10 KM ÄWLENIÄH 2 = 4 KM MOROSI KRATKOWREMENNO MENEE 1000 M AR

6346 kHz, 07-08, 0649 UTC

XXX M7A2 ÉLASTIÖNYJ 011 304 375 090 0940 K

3309 kHz, 07-08, 0652 UTC

XXX IQX8 ÉLASTIÖNYJ 011 304 375 090 0940 K

3309 kHz, 07-08, 0709 UTC

LWMO: IQX8 QTC AR 1107 00 =

ZEH 969 195 18V989 497 =

07100 32835 88460 82707 10088 885XX 917XX 07100 42656 80460

82606 10086 885XX 915XX 07100 23744 75560 23006 10162 82500

920XX 07021 K

7015 kHz, 07-08, 1001 UTC

M7A2 de RIT QTC 688 34 7 1258 688 = RADIOPROGNOZ

07088 63003 40000 00001 01218 50012 00001 01218 0012 00006

01018 70017 00006 01218 70018 00102 01218 50011 00001 01824

50011 00002 01824 50011 00005 01824 60016 00006 01824 60017

00102 01824 40011 =

Repeated twice AR

7015 kHz, 07-08, 1011 UTC

XXX M7A2 ÉLASTIÖNYJ 01 1357 1225 K

12158 kHz, 09-08

0812 UTC RGT77: XXX XXX BNR1 BNR1 61351 STOMATIT 3944 9597

0819 UTC RGT77: XXX XXX BNR1 BNR1 42124 VMOTOCHTYK 5645 3988 ZEMNOJ 8222 7186 TRUSLIWYJ 2239 8448

0835 UTC RGT77: XXX XXX SIJG SIJG 82547 SPORTSMENKA 7108 2246

0838 UTC RGT77: XXX XXX SIJG SIJG 34424 SLESARX 3280 3099 WODOOTDAOeA 3811 7044 STYDOLUeK 7598 9069

4433 kHz, 25-08, 1537 UTC. RIT wkg M7A2

M7A2 de RIT QTC 717 40 25 1833 717 = PROGNOZ POGODY S 19 ÖASTOW 25 AWGUSTA DO 19 ÖASTOW 26 AWGUSTA RAJONY 67 = 68 WETER ÜGO WOSTOÖNYJ ÜVNYJ 7 = 12 M/S NAÖALE 10 = 15 M/S WOLNENIE 3 NAÖALE MORISTOJ ÄSTAI 4 BALLA ÄWLENIÄ MESTAMI DOVDX DYMKA WIDIMOSTX 4 = 10 KM ÄWLENIÄH 2 = 4 KM AR

3201 kHz, 27-08, 1528 UTC. RJQ75 wkg RCC

QTC SML FM RJQ75 FOR RJH45 RJH48 RJE60 =

26151 99529 11609 41/98 91206 10130 40090 54000 70322 22212 00120 299// 314// = AR RJQ75

8167 kHz, 27-08, 0611 UTC. RJI34 wkg RJS

QTC SML :485 16 27 0850 485 = FM RJI34 FOR RJH45/RJH48/RJE60 =
27061 99464 11428 42/96 1406 10152 40054 54000 70222 22232 00100 2//// = AR RJI34 K

M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)

8816 kHz, 06-08, 0735 UTC

RJF94 RJC38 DE 54545
QTO 0725 QRD XRSS XUMO QBD 0830 QRE 1025 K
QTH 15130 14110 QTR 0825 QBG 8200 K
QQL XRRL 0921 QBD 0630 QRE XRSS 1015 K
QQM XRSS 1015 SK

8816 kHz, 06-08, 0715 UTC

RJF94 RJC38 DE 54553
QTO (0702?) QRD XIIS XLMD QBD 1000 QRE 1400 K
QTR 0805 QTH 16601 13824 QBG 7200 K
QTR 0900 QTH 16425 14904 QBD 0900 K
QTR 1000 QTH 16310 15951 QBG 7600 K
QTR 1200 QTH 15057 18118 QBD 8200 K

8816 kHz, 06-08, 1322 UTC

RJC38 RJF94 DE 09780
QTO 1307 QRD XRKE XLLJ QRE 1707 QBD 0630 K
QTH 15535 13459 QTR 1430 QBG 7000 QBD 0530 K
QTH 15155 13949 QTR 1534 QBG 7000 QBD 0430 K
QTH 14717 14014 QTR 1640 QBG 7000 QRE XRKE 1705 K
QQM XRKE 1705 SK

8816 kHz, 06-08, 1358 UTC

RJF94 RJC38 DE 54545
QTO 1346 XLMD XRSS QBD 1100 QRE 1936 K
QQL XRRL 1439 QBG 7800 K
QQL URWW 1518 QBD 0900 K
QQL UWPP 1624 QBG 8500 K
QTH 15457 13948 QTR 1710 QBD 0710 K
QQL ULWC 1805 QBG 8500 K
QAY XLPB 1840 QBD 0545 K

8816 kHz, 10-08, 0914 UTC

RJF94 RJC38 DE 54545 QTO 0903 QRD XLMD XWSG QBD 0930 QRE 1333 K
QTH 15547 14309 QTR 1014 QBG 6100 K
QQL UWC 1118 QBD 0700 K
QAY XLPB 1157 QBG 6100 K
QQL ULPE 1231 QBD 0530 QRE XLMD 1338 K
QQM XLMD 1335 SK

12720 kHz, 11-08, 0548 UTC

VVV RJC48 RJC48 RJC48 DE RJF94 RJF9 4 QSA? K
RJF94 RJF94 RJF94 DE RJC48 RJC48 QSA 3 K
RJF94 RK

12720 kHz, 11-08, 052 UTC

VVV RCH84 RCH84 RCH84 DE RJF94 RJF94 QSA ? K
RFJ94 RJF94 RK

8816 kHz, 19-08, 1545 UTC

RJC38 RJF94 DE 08128 RJC38 RJF94 DE 08128
QTO 1530 QRD XLMG XUOI QRE 1900 QBD 0600 K
QTH 15551 13751 QTR 1641 QBG 6700 QBD 0500 K
QTH 16351 13519 QTR 1821 QBG 7900 QBD 0330 QRE XLMG 1920 K

8816 kHz, 19098, 1007 UTC

RJC38 RJF94 DE 08128
QTO 0955 QRD XRKE XRFI QRE 1105 QBD 0300 K
QQM XRKE 1055 SK

8816 kHz, 19-08, 1311 UTC

RJC38 RJF94 DE 08128
QTO 1300 QRD XUOI XRKE QRE 1430 QBD 0400 K
14737 14106 QTR 1333 QBG 6700 QRE XUOI 1420 K

8816 kHz, 21-08, 0729 UTC

RJC38 RJF94 DE 54545
QTO 0717 QRD XUYK USDA QBD 0630 QRE 0832 K
QTH 16957 16611 QTR 0748 QBG 6100 QRE XUYK 0830 K
QQM XUYK 0835 SK

8816 kHz, 21-08, 1012 UTC

RJC38 RJF94 DE 54545
QTO 1007 QRD XLMD XUYK QBD 0830 QRE 1317 K
QQI XLAM 1110 QBG 7300 K
QTH 16618 14324 QTR 1207 QBD 0610 K
QQI XLMF 1305 QBG 7300 QRE XLMD 1335 K
QQM XLMD 1339 SK

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Ctrb
---	4780	1-8	1642	Wed	North Korean Military i.p. VVV QME (x3) DE 3Z9 (x2) QRU 1987 1987 VA VA T T	CW	(JPL-Sib)
---	3633	1-8	1723	Wed	North Korean Military i.p. 20143 4.223 6.795 44977 67830 03865 74543 ...	CW	(JPL-Sib)
---	3764	1-8	1800	Wed	North Korean Military i.p. VVV NIU DE HTB QTC QTC RR 70W 13 = 70071 56073 900 ...	CW	(JPL-Sib)
---	5442.5	2-8	0731	Thu	North Korean Military. VVV CQ de PK2 QTC NR 310.330 QTC NR 320.350 QTC NR 310.330 QTC 99 28 = = 22903 12674 73462 13599 64044 ...	CW	(F5JBR-J)
---	4814.7	2-8	1043	Thu	North Korean military i.p. VVV DC7 DE TPG QRU 1914 1914 K. VVV KGK DE KFB QSA ?	CW	(JPL-J)
---	5022.5	2-8	1230	Thu	North Korean Military. V7W QSA 5 QRV K and QTC K and QTC NR 04 W24 = 47482 56907 22118 51475 10410 27585 54971 33355 31225 ...	CW	(F5JBR-J)
---	4763	2-8	1327	Thu	North Korean Military. VVV VVV VFH de 2PK QTC 24 15 = 22202 24015 50853 05773 29615 37777 57972 88772 00476 76422 11658 05144 ...	CW	(F5JBR-J)
---	4976.5	4-8	0734	Sat	North Korean Military i.p. ABV QTC NR 336 QTC 01 11 = 27307 54175 9086854072 14339 94766 43432 95355 31434 08283 07916 K	CW	(F5JBR-J)
---	5022.5	5-8	1152	Sun	V7W wkg 2XN 1MM QTC 99 34 = 35100 86668 06642 64133 71793 90911 07963 13234 40687 12543 ...	CW	(JPL)
---	3762.5	5-8	1818	Sun	R28 wkg OAZ QTC NR 03 W26 = 2370947247 00190 73260 12824 25931 17110 84662 09147 18971 ...	CW	(JPL)
---	5344	24-8	0802	Fri	North Korean military: VVV CQ (x2) DE 9BA (x2) QSA ? K	CW	(JPL-Sib)
---	5200	24-8	0831	Fri	North Korean military: VVV Z9A (x2) DE TRZ (x2) QSA ? K OK QSA. VA	CW	(JPL-J)
---	3374	25-8	1608	Sat	North Korean military: VVV TMN (x3) DE GJF (x2) QTR 10 QSA ? K	CW	(JPL-CHN)
---	3628.7	25-8	1912	Sat	North Korean military: VVV EGS (x3) DE 5O5 (x3) QSA ? QSA 1 QSA ? K = 8512 8513 K	CW	(JPL-CHN)
---	4401	31-8	0814	Fri	North Korean military: VVV LV CQ DE 34X QSA ? = 76278 76278	CW	(JPL-Sib)
---	4138	31-8	0832	Fri	i.p. ZZT OPD (x3) = = PPOIR (x3) K. = OPD (x3) = PPOIR (x3) K. PPOIR (x3) K. RPT (x2) = = AA MRPT RPT OK ZZT R R AA EEEEE RR TTUU BBAA =	CW	(JPL-Sib)
CW	8627	3-8	1748	Fri	REO REO REO DE RMP RMP QTC 983 26 42 025 983 = 22222 31644 70647 55377 54760 74356 28967 ...		(AB)
DPRK	12850	2-8	0808	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12850	9-8	0809	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12455	9-8	0819	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	9-8	0819	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12215	15-8	0735	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14449	17-8	1347	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14565	17-8	1347	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14115	17-8	1349	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16033	23-8	0801	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12850	30-8	0805	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	18038	31-8	0457	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB-J)
E06	13540	2-8	0500	Thu	210 974 53 67011 via KiwiSDR	USB	(HFD)

E06	13540	2-8	0500	Thu	210 974 53 67011 83142 86356 ... 62710 55091 15865 974 53 00000	USB	(AB-AUT)
E06	16115	2-8	0600	Thu	210 974 53 67011 83142 86356 ... 62710 55091 15865 974 53 00000	USB	(AB-AUT)
E06	16115	2-8	0600	Thu	210	USB	(HFD)
E06	5936	2-8	2026	Thu	Early start 735 289 54 12345 89657 45632 .. 64618 84021 72492 289 54 00000 Windows shut down sound	USB	(AB)
E06	13540	3-8	0500	Fri	210 974 53 67011 83142 86356 ... 62710 55091 15865 974 53 00000	USB	(AB-AUT)
E06	16115	3-8	0600	Fri	210 974 53 67011 83142 86356 ... 62710 55091 15865 974 53 00000	USB	(AB-AUT)
E06	5731	3-8	2127	Fri	Early start 315 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000	USB	(AB)
E06	11427	7-8	0210	Tue	537 968 42 30520 21812 83355 ... 71446 38013 47838 968 42 00000	USB	(kalv)
E06	13584	7-8	0310	Tue	537 968 42 30520 21812 83355 ... 71446 38013 47838 968 42 00000	USB	(kalv)
E06	5731	17-8	2133	Fri	Late start 315 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E06	11472	20-8	0210	Mon	537 680 45 40844 48401 48656 ... 46466 58710 82247 680 45 00000	USB	(kalv)
E06	13584	20-8	0310	Mon	537 680 45 40844 48401 48656 ... 46466 58710 82247 680 45 00000	USB	(kalv)
E06	11472	21-8	0210	Tue	537 680 45 40844 48401 48656 ... 46466 58710 82247 680 45 00000	USB	(kalv)
E06	13584	21-8	0310	Tue	537 680 45 40844 48401 48656 ... 46466 58710 82247 680 45 00000	USB	(kalv)
E06	14648	30-8	0300	Thu	361 572 36 18846	USB	(HFD)
E06	12084	30-8	0400	Thu	361	USB	(HFD-J)
E07	13397	1-8	1700	Wed	316 316 316 000	USB	(AB)
E07	12197	1-8	1720	Wed	316 316 316 000	USB	(AB)
E07	16147	1-8	1900	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL/HFD)
E07	14647	1-8	1920	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL/HFD)
E07	13447	1-8	1940	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL/HFD)
E07	10753	2-8	2010	Thu	716 716 716 1 367 31 367 31 05583 73742 50370 ... 76233 01600 58209 000 000	AM	(AB/HFD)
E07	9147	2-8	2030	Thu	716 716 716 1 367 31 367 31 05583 73742 50370 ... 76233 01600 58209 000 000	AM	(AB?HFD)
E07	7637	2-8	2050	Thu	716 716 716 1 367 31 367 31 05583 73742 50370 ... 76233 01600 58209 000 000	AM	(AB/HFD)
E07	16246	3-8	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	3-8	0720	Fri	242 242 242 000	USB	(AB)
E07	20146	3-8	1100	Fri	123 123 123 000	USB	(AB/HFD)
E07	18246	3-8	1120	Fri	123 123 123 000	USB	(AB/HFD)
E07	9064	4-8	0600	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	4-8	0620	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	4-8	0640	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	9064	5-8	0600	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	5-8	0620	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	5-8	0640	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	13397	5-8	1700	Sun	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ)
E07	12197	5-8	1720	Sun	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ)
E07	10697	5-8	1740	Sun	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ)
E07	16147	6-8	1900	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	14647	6-8	1920	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)

E07	13447	6-8	1940	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL)
E07	16246	7-8	0700	Tue	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	18446	7-8	0720	Tue	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	19246	7-8	0740	Tue	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	20146	7-8	1100	Tue	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB-AUT/MPJ)
E07	18246	7-8	1120	Tue	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB/MPJ)
E07	16346	7-8	1140	Tue	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB/MPJ)
E07	13397	8-8	1700	Wed	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ/HFD)
E07	12197	8-8	1720	Wed	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ/HFD)
E07	10697	8-8	1740	Wed	316 316 316 1 7504 81 7504 81 02549 02086 12359 ... 81727 10620 08943 000 000	USB	(AB/MPJ/HFD)
E07	16147	8-8	1900	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	14647	8-8	1920	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	13447	8-8	1940	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL)
E07	10753	9-8	2010	Thu	716 716 716 000	AM	(AB)
E07	9147	9-8	2030	Thu	716 716 716 000	AM	(AB)
E07	16246	10-8	0700	Fri	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	18446	10-8	0720	Fri	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	19246	10-8	0740	Fri	242 242 242 1 439 61 439 61 76226 23056 53106 ... 50812 45185 68706 000 000	USB	(AB)
E07	20146	10-8	1100	Fri	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB-EST)
E07	18246	10-8	1120	Fri	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB-EST/MPJ-I)
E07	16346	10-8	1140	Fri	123 123 123 1 2340 49 2340 49 05983 37183 69895 ... 33631 59263 11868 000 000	USB	(AB/MPJ-I)
E07	9064	11-8	0600	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	11-8	0620	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	11-8	0640	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	9064	12-8	0600	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	12-8	0620	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	12-8	0640	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	13397	12-8	1700	Sun	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB)
E07	12197	12-8	1720	Sun	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB/MPJ)
E07	10697	12-8	1740	Sun	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB/MPJ)
E07	16147	13-8	1900	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	14647	13-8	1920	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL)
E07	13447	13-8	1940	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL)
E07	16246	14-8	0700	Tue	242 242 242 000	USB	(AB)
E07	18446	14-8	0720	Tue	242 242 242 000	USB	(AB)
E07	20146	14-8	1100	Tue	123 123 123 000	USB	(AB-IRL)
E07	18246	14-8	1120	Tue	123 123 123 000	USB	(AB-G/MPJ)
E07	13397	15-8	1700	Wed	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB/MPJ)
E07	12197	15-8	1720	Wed	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB/MPJ)
E07	10697	15-8	1740	Wed	316 316 316 1 170 131 170 131 95200 28044 31203 ... 50218 99432 40432 000 000	USB	(AB/MPJ)

E07	16147	15-8	1900	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL/Dan)
E07	14647	15-8	1920	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL/Dan)
E07	13447	15-8	1940	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB)
E07	10753	16-8	2010	Thu	716 716 716 1 9511 53 9511 53 00248 98363 86303 ... 77223 13946 42096 000 000	AM	(AB/GHn)
E07	9147	16-8	2030	Thu	716 716 716 1 9511 53 9511 53 00248 98363 86303 ... 77223 13946 42096 000 000	AM	(AB)
E07	7637	16-8	2050	Thu	716 716 716 1 9511 53 9511 53 00248 98363 86303 ... 77223 13946 42096 000 000	AM	(AB)
E07	16246	17-8	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	17-8	0720	Fri	242 242 242 000	USB	(AB)
E07	20146	17-8	1100	Fri	123 123 123 000	USB	(AB/MPJ)
E07	18246	17-8	1120	Fri	123 123 123 000	USB	(AB/MPJ)
E07	9064	18-8	0600	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	18-8	0620	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB/EW-UKR)
E07	11464	18-8	0640	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	9064	19-8	0600	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	19-8	0620	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	19-8	0640	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	13397	19-8	1700	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	12197	19-8	1720	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	10697	19-8	1740	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	16147	20-8	1900	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/Dan/RL)
E07	14647	20-8	1920	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/Dan/RL)
E07	13447	20-8	1940	Mon	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/Dan/RL)
E07	16246	21-8	0700	Tue	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	18446	21-8	0720	Tue	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	19246	21-8	0740	Tue	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	20146	21-8	1100	Tue	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB-AUT)
E07	18246	21-8	1120	Tue	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB-AUT)
E07	16346	21-8	1140	Tue	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB-AUT)
E07	13397	22-8	1700	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	12197	22-8	1720	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	10697	22-8	1740	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/AnEur/MPJ)
E07	16147	22-8	1900	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	14647	22-8	1920	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/MPJ/RL)
E07	13447	22-8	1940	Wed	164 164 164 1 523 61 523 61 89217 93231 95886 ... 09237 76622 56323 000 000	USB	(AB/RL)
E07	16246	24-8	0700	Fri	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	18446	24-8	0720	Fri	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	19246	24-8	0740	Fri	242 242 242 1 343 73 343 73 26098 79899 12360 ... 52936 36003 53301 000 000	USB	(AB)
E07	20146	24-8	1100	Fri	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB/MPJ)
E07	18246	24-8	1120	Fri	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB/MPJ)
E07	16346	24-8	1140	Fri	123 123 123 1 9339 73 57832 42769 69709 ... 04857 86742 24451 000 000	USB	(AB/MPJ)

E07	9064	25-8	0600	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	25-8	0620	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	25-8	0640	Sat	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	9064	26-8	0600	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	10264	26-8	0620	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	11464	26-8	0640	Sun	024 024 024 1 401 61 401 61 36201 09304 35321 ... 65947 97944 08424 000 000	USB	(AB)
E07	13397	26-8	1700	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(MPJ-RUS)
E07	12197	26-8	1720	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(MPJ-RUS)
E07	10697	26-8	1740	Sun	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(MPJ-RUS)
E07	16147	27-8	1900	Mon	164 164 164 000	USB	(AB)
E07	14647	27-8	1920	Mon	164 164 164 000	USB	(AB)
E07	20146	28-8	1100	Tue	123 123 123 000	USB	(AB-AUT)
E07	18246	28-8	1120	Tue	123 123 123 000	USB	(AB-AUT/MPJ)
E07	13397	29-8	1700	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	12197	29-8	1720	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB)
E07	10697	29-8	1740	Wed	316 316 316 1 369 134 369 134 24596 03488 11880 ... 85162 42276 96726 000 000	USB	(AB/MPJ)
E07	16147	29-8	1900	Wed	164 164 164 000	USB	(AB/MPJ)
E07	14647	29-8	1920	Wed	164 164 164 000	USB	(AB/MPJ)
E07	16246	31-8	0700	Fri	242 242 242 000	USB	(AB-AUT)
E07	18446	31-8	0720	Fri	242 242 242 000	USB	(AB-AUT)
E07	20146	31-8	1100	Fri	123 123 123 000	USB	(MPJ-RUS)
E07	18246	31-8	1120	Fri	123 123 123 000	USB	(MPJ-RUS)
E07a	12166	1-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	1-8	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	2-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	2-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	3-8	1510	Fri	241 241 241 000	USB	(AB/HFD)
E07a	11413	3-8	1530	Fri	241 241 241 000	USB	(AB/GHn/HFD)
E07a	12177	4-8	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	4-8	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	8-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	8-8	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	9-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	9-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	10-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	10-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	11-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	11-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	15-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	15-8	2020	Wed	172 172 172 000	USB	(AB/RL)

E07a	7933	16-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	16-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	17-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	17-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	18-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	18-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	22-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	22-8	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	23-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	23-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	24-8	1510	Fri	241 241 241 000	USB	(AB/MPJ/RL)
E07a	11413	24-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	25-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	25-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	29-8	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	29-8	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	30-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	30-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	31-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	31-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E11	15800	1-8	0640	Wed	940/00	USB	(AB-G)
E11	15720	1-8	0745	Wed	342/00	USB	(AnEur)
E11	8545	1-8	1045	Wed	690/00	USB	(AB/MPJ)
E11	6304	1-8	1205	Wed	Null msg	USB	(MPJ)
E11	15795	1-8	1625	Wed	974/00	USB	(MPJ)
E11	14865	1-8	1705	Wed	395/00	USB	(AB/MPJ/RL)
E11	7984	1-8	1730	Wed	400/00	USB	(AB)
E11	13424	2-8	0645	Thu	515/00	USB	(AB)
E11	5082	2-8	0820	Thu	439/00	USB	(AB)
E11	12202	2-8	0845	Thu	152/00	USB	(AB)
E11	11581	2-8	1300	Thu	581/00	USB	(AB/MPJ)
E11	10356	2-8	1530	Thu	261/00	USB	(AB/GHn/MPJ)
E11	14575	2-8	1645	Thu	338/00	USB	(AB/MPJ)
E11	8088	2-8	1730	Thu	413/00	USB	(AB/MPJ)
E11	7600	2-8	1900	Thu	641/00	USB	(AB)
E11	11581	2-8	1925	Thu	552/00	USB	(AB)
E11	6849	3-8	0700	Fri	577/00	USB	(AB)
E11	15720	3-8	0745	Fri	348/00	USB	(AB)
E11	12397	3-8	1000	Fri	308/00	USB	(AB)
E11	13537	3-8	1225	Fri	521/00	USB	(AB/MPJ)

E11	14940	3-8	1650	Fri	929/00	USB	(MPJ)
E11	9610	3-8	1910	Fri	616/00	USB	(AB/MPJ)
E11	6480	4-8	0710	Sat	497/00	USB	(AB)
E11	9079	4-8	0805	Sat	310/00	USB	(AB)
E11	11581	4-8	1300	Sat	585/00	USB	(AB/MPJ)
E11	15825	4-8	1345	Sat	917/00	USB	(AB/MPJ)
E11	14865	4-8	1705	Sat	393/00	USB	(AB)
E11	7984	4-8	1730	Sat	409/00	USB	(AB/MPJ)
E11	9130	4-8	2005	Sat	369/00	USB	(AB)
E11	6480	5-8	0710	Sun	495/00	USB	(AB)
E11	9079	5-8	0805	Sun	314/00	USB	(AB)
E11	4783	5-8	1605	Sun	237/00	USB	(AB/MPJ)
E11	15795	5-8	1625	Sun	970/00	USB	(AB/MPJ)
E11	14940	5-8	1650	Sun	925/00	USB	(AB/MPJ)
E11	14410	5-8	1745	Sun	249/00	USB	(AB/MPJ)
E11	9610	5-8	1910	Sun	611/00	USB	(AB/MPJ)
E11	9130	5-8	2005	Sun	364/00	USB	(AB)
E11	15800	6-8	0640	Mon	942/00	USB	(AB)
E11	9610	6-8	0745	Mon	262/00	USB	(AB)
E11	8545	6-8	1045	Mon	692/00	USB	(AB)
E11	13537	6-8	1225	Mon	525/00	USB	(AB/MPJ)
E11	7600	6-8	1900	Mon	647/00	USB	(AB-AUT/MPJ)
E11	13424	7-8	0645	Tue	511/00	USB	(AB)
E11	10429	7-8	0715	Tue	639/00	USB	(AB)
E11	12397	7-8	1000	Tue	302/00	USB	(AB)
E11	15825	7-8	1345	Tue	918/00	USB	(MPJ)
E11	4783	7-8	1605	Tue	230/00	USB	(AB/MPJ)
E11	14575	7-8	1645	Tue	338/00	USB	(AB/MPJ)
E11	11581	7-8	1925	Tue	557/00	USB	(AB)
E11	15800	8-8	0640	Wed	949/00	USB	(AB)
E11	15720	8-8	0745	Wed	344/00	USB	(AB-AUT)
E11	17378	8-8	0820	Wed	131/00	USB	(AB)
E11	6304	8-8	0930	Wed	278/00	USB	(AB)
E11	8545	8-8	1045	Wed	692/00	USB	(AB/MPJ)
E11	7984	8-8	1730	Wed	404/00	USB	(AB/MPJ)
E11	12202	9-8	0845	Thu	150/00	USB	(AB)
E11	6304	9-8	0930	Thu	271/00	USB	(AB)
E11	10356	9-8	1530	Thu	267/00	USB	(AB/MPJ)
E11	14575	9-8	1645	Thu	332/00	USB	(AB-AUT/MPJ)
E11	7600	9-8	1900	Thu	644/00	USB	(AB/MPJ)

E11	11581	9-8	1925	Thu	558/00	USB	(AB)
E11	10429	10-8	0715	Fri	635/00	USB	(AB)
E11	12397	10-8	1000	Fri	309/00	USB	(AB)
E11	13537	10-8	1225	Fri	524/00	USB	(AB/MPJ)
E11	14940	10-8	1650	Fri	929/00	USB	(AB/MPJ)
E11	9610	10-8	1910	Fri	613/00	USB	(MPJ-I)
E11	6480	11-8	0710	Sat	497/00	USB	(AB)
E11	9079	11-8	0805	Sat	310/00	USB	(AB)
E11	15825	11-8	1345	Sat	911/00	USB	(MPJ)
E11	7984	11-8	1730	Sat	409/00	USB	(MPJ)
E11	9130	11-8	2005	Sat	364/00	USB	(AB)
E11	6480	12-8	0710	Sun	495/00	USB	(AB)
E11	9079	12-8	0805	Sun	319/00	USB	(AB)
E11	4783	12-8	1605	Sun	236/00	USB	(AB)
E11	14940	12-8	1650	Sun	929/00	USB	(AB/MPJ)
E11	9610	12-8	1910	Sun	612/00	USB	(AB/MPJ/RF2)
E11	9130	12-8	2005	Sun	367/00	USB	(AB)
E11	7469	13-8	0450	Mon	414/00	USB	(AB)
E11	13873	13-8	0600	Mon	185/00	USB	(HFD)
E11	9610	13-8	0745	Mon	264/00	USB	(AB)
E11	5082	13-8	0820	Mon	436/00	USB	(AB)
E11	7439	13-8	0900	Mon	533/00	USB	(AB/HFD)
E11	8545	13-8	1045	Mon	697/00	USB	(AB)
E11	13537	13-8	1225	Mon	524/00	USB	(AB/MPJ)
E11	14410	13-8	1745	Mon	249/00	USB	(AB-G/MPJ)
E11	7600	13-8	1900	Mon	643/00	USB	(AB/MPJ/BW3-GRC)
E11	13424	14-8	0645	Tue	518/00	USB	(AB)
E11	6849	14-8	0700	Tue	576/00	USB	(AB)
E11	12202	14-8	0845	Tue	154/00	USB	(AB)
E11	6304	14-8	1205	Tue	463/00	USB	(AB/MPJ)
E11	15825	14-8	1345	Tue	919/00	USB	(MPJ-I)
E11	4783	14-8	1605	Tue	236/00	USB	(AB/MPJ)
E11	11581	14-8	1925	Tue	552/00	USB	(AB)
E11	7439	15-8	0900	Wed	534/00	USB	(AB)
E11	6304	15-8	0930	Wed	278/00	USB	(AB)
E11	8545	15-8	1045	Wed	697/00	USB	(AB)
E11	6304	15-8	1205	Wed	464/00	USB	(AB/MPJ)
E11	15795	15-8	1625	Wed	977/00	USB	(AB/MPJ)
E11	14865	15-8	1705	Wed	399/00	USB	(AB/MPJ)
E11	13424	16-8	0645	Thu	518/00	USB	(AB)

E11	12202	16-8	0845	Thu	151/00	USB	(AB)
E11	6304	16-8	0930	Thu	277/00	USB	(AB)
E11	11581	16-8	1300	Thu	585/00	USB	(AB/MPJ)
E11	10356	16-8	1530	Thu	269/00	USB	(AB/MPJ)
E11	8088	16-8	1730	Thu	418/00	USB	(AB/MPJ)
E11	7600	16-8	1900	Thu	649/00	USB	(AB/MPJ)
E11	11581	16-8	1925	Thu	557/00	USB	(AB/GHn)
E11	6849	17-8	0700	Fri	575/00	USB	(AB)
E11	15720	17-8	0745	Fri	347/00	USB	(AB)
E11	13537	17-8	1225	Fri	528/00	USB	(AB/MPJ)
E11	14940	17-8	1650	Fri	925/00	USB	(AB/MPJ)
E11	6480	18-8	0710	Sat	498/00	USB	(AB)
E11	9079	18-8	0805	Sat	314/00	USB	(AB)
E11	11581	18-8	1300	Sat	581/00	USB	(AB)
E11	15825	18-8	1345	Sat	912/00	USB	(AB)
E11	14865	18-8	1705	Sat	393/00	USB	(AB/MPJ)
E11	6480	19-8	0710	Sun	490/00	USB	(AB)
E11	9079	19-8	0805	Sun	311/00	USB	(AB)
E11	4783	19-8	1605	Sun	231/00	USB	(AB/MPJ)
E11	15795	19-8	1625	Sun	970/00	USB	(AB/MPJ)
E11	14940	19-8	1650	Sun	922/00	USB	(AB/MPJ)
E11	14410	19-8	1745	Sun	245/00	USB	(AB/MPJ)
E11	7469	20-8	0450	Mon	413/00	USB	(AB)
E11	15800	20-8	0640	Mon	944/00	USB	(AnEur)
E11	9610	20-8	0745	Mon	261/00	USB	(AB)
E11	5082	20-8	0820	Mon	430/00	USB	(AB)
E11	7439	20-8	0900	Mon	533/00	USB	(AB)
E11	8545	20-8	1045	Mon	696/00	USB	(AB)
E11	13537	20-8	1225	Mon	524/00	USB	(AB/MPJ)
E11	14410	20-8	1745	Mon	249/00	USB	(AB/MPJ)
E11	13424	21-8	0645	Tue	511/00	USB	(AB)
E11	6849	21-8	0700	Tue	576/00	USB	(AB)
E11	10429	21-8	0715	Tue	639/00	USB	(AB)
E11	12202	21-8	0845	Tue	156/00	USB	(AB)
E11	12397	21-8	1000	Tue	302/00	USB	(AB)
E11	6304	21-8	1205	Tue	460/00	USB	(AB)
E11	14575	21-8	1645	Tue	335/00	USB	(AB/MPJ)
E11	11581	21-8	1925	Tue	551/00	USB	(AB/MPJ)
E11	15800	22-8	0640	Wed	941/00	USB	(AB)
E11	15720	22-8	0745	Wed	344/00	USB	(AB)

E11	15720	22-8	0745	Wed	344/00	USB	(AB)
E11	17378	22-8	0820	Wed	135/00	USB	(AB)
E11	7439	22-8	0900	Wed	535/00	USB	(AB)
E11	6304	22-8	0930	Wed	271/00	USB	(AB)
E11	8545	22-8	1045	Wed	692/00	USB	(AB/MPJ)
E11	6304	22-8	1205	Wed	461/00	USB	(AB)
E11	15795	22-8	1625	Wed	978/00	USB	(AB)
E11	14865	22-8	1705	Wed	391/00	USB	(AB/MPJ)
E11	7984	22-8	1730	Wed	408/00	USB	(AB/MPJ)
E11	8565	23-8	0315	Thu	253/00	USB	(AB)
E11	13424	23-8	0645	Thu	519/00	USB	(AB)
E11	5082	23-8	0820	Thu	434/00	USB	(AB)
E11	12202	23-8	0845	Thu	155/00	USB	(AB)
E11	6304	23-8	0930	Thu	275/00	USB	(AB)
E11	11581	23-8	1300	Thu	581/00	USB	(AB)
E11	10356	23-8	1530	Thu	267/00	USB	(AB/MPJ)
E11	14575	23-8	1645	Thu	334/00	USB	(AB/MPJ/BW3-HOL)
E11	8088	23-8	1730	Thu	411/00	USB	(AB/MPJ)
E11	6849	24-8	0700	Fri	579/00	USB	(AB)
E11	10429	24-8	0715	Fri	639/00	USB	(AB)
E11	15720	24-8	0745	Fri	344/00	USB	(AB)
E11	12397	24-8	1000	Fri	300/00	USB	(AB)
E11	13537	24-8	1225	Fri	528/00	USB	(AB/MPJ)
E11	9610	24-8	1910	Fri	613/00	USB	(AB)
E11	11581	25-8	1300	Sat	583/00	USB	(AB/MPJ)
E11	14865	25-8	1705	Sat	396/00	USB	(AB/MPJ)
E11	7984	25-8	1730	Sat	408/00	USB	(AB/MPJ)
E11	9130	25-8	2005	Sat	368/00	USB	(AB)
E11	15795	26-8	1625	Sun	972/00	USB	(AB-AUT)
E11	9610	26-8	1910	Sun	616/00	USB	(MPJ)
E11	9130	26-8	2005	Sun	368/00	USB	(AB)
E11	7469	27-8	0450	Mon	415/00	USB	(AB/HFD)
E11	15800	27-8	0640	Mon	941/00	USB	(AB)
E11	5082	27-8	0820	Mon	438/00	USB	(AB)
E11	7439	27-8	0900	Mon	532/00	USB	(AB)
E11	14410	27-8	1745	Mon	244/00	USB	(AB-AUT)
E11	7600	27-8	1900	Mon	643/00	USB	(AB/MPJ)
E11	12397	28-8	1000	Tue	306/00	USB	(AB)
E11	6304	28-8	1205	Tue	461/00	USB	(AB/MPJ)
E11	15825	28-8	1345	Tue	917/00	USB	(AB/MPJ)

E11	4783	28-8	1605	Tue	237/00		USB	(MPJ/BW3-HOL)
E11	14575	28-8	1645	Tue	333/00		USB	(MPJ)
E11	15800	29-8	0640	Wed	946/00		USB	(AB)
E11	17378	29-8	0820	Wed	131/00		USB	(AB-AUT)
E11	7439	29-8	0900	Wed	535/00		USB	(AB)
E11	6304	29-8	0930	Wed	278/00		USB	(AB)
E11	8545	29-8	1045	Wed	696/00		USB	(AB)
E11	6304	29-8	1205	Wed	463/00		USB	(AB/MPJ)
E11	15795	29-8	1625	Wed	970/00		USB	(AB-AUT/MPJ-AUT)
E11	14865	29-8	1705	Wed	395/00		USB	(AB/MPJ)
E11	7984	29-8	1730	Wed	406/00		USB	(MPJ)
E11	5082	30-8	0820	Thu	431/00		USB	(AB)
E11	6304	30-8	0930	Thu	277/00		USB	(AB)
E11	11581	30-8	1300	Thu	588/00		USB	(AB)
E11	14575	30-8	1645	Thu	333/00		USB	(AB)
E11	8088	30-8	1730	Thu	413/00		USB	(AB/MPJ)
E11	7600	30-8	1900	Thu	641/00		USB	(AB/MPJ)
E11	6849	31-8	0700	Fri	579/00		USB	(AB)
E11	10429	31-8	0715	Fri	634/00		USB	(AB)
E11	12397	31-8	1000	Fri	308/00		USB	(AB)
E11	14940	31-8	1650	Fri	927/00		USB	(AB/MPJ)
E11	9610	31-8	1910	Fri	611/00		USB	(AB/MPJ)
E11a	8565	1-8	0315	Wed	253/31 77710 no "attention"		USB	(HFD)
E11a	6304	1-8	0930	Wed	271/32 Attention 90162 83623 37623 ... 21932 63257 82833 Attention (message repeated) Out		USB	(AB)
E11a	6304	2-8	0930	Thu	271/32 Attention 90162 83623 37623 ... 21932 63257 82833 Attention (message repeated) Out		USB	(AB)
E11a	10429	3-8	0715	Fri	632/49 Attention 13402 21203 40821 ... 52215 86142 43516 Attention (message repeated) Out		USB	(AB)
E11a	7469	6-8	0450	Mon	416/36 Attention 30873 10248 50518 ... 93910 37392 34300 Attention (message repeated) Out		USB	(AB)
E11a	5082	6-8	0820	Mon	434/34 Attention 03713 24983 13741 ... 20294 37662 18482 Attention (message repeated) Out		USB	(AB)
E11a	14410	6-8	1745	Mon	242/34 91736 85658 10512 ... 66406 88749 91014 (message repeated) Out. No "Attention"		USB	(AB-AUT/MPJ)
E11a	6849	7-8	0700	Tue	573/34 Attention 87802 65030 53807 ... 48845 73901 93713 Attention (message repeated) Out		USB	(AB)
E11a	6304	7-8	1205	Tue	466/31 Attention 86754 43174 47104 ... 24518 13978 46058 Attention (message repeated) Out		USB	(AB-AUT/MPJ)
E11a	7439	8-8	0900	Wed	534/34 36766 87878 30521 ... 30541 77942 29735 (message repeated) Out. No "Attention"		USB	(F5JBR)
E11a	6304	8-8	1205	Wed	466/31 Attention 86754 43174 47104 ... 24518 13978 46058 Attention (message repeated) Out		USB	(AB)
E11a	15795	8-8	1625	Wed	970/33 20796 67444 36783 ... 42988 58307 65350 (message repeated) Out. No "Attention"		USB	(AB/MPJ)
E11a	14865	8-8	1705	Wed	399/32 40447 15551 75117 ... 91492 73412 63517 (message repeated) Out. No "Attention"		USB	(AB/MPJ)
E11a	5082	9-8	0820	Thu	439/34 Attention 03713 24983 13741 ... 20294 37662 18482 Attention (message repeated) Out		USB	(AB)
E11a	11581	9-8	1300	Thu	587/36 02230 74589 79959 ... 22729 70044 19659 (message repeated) Out. No "Attention"		USB	(AB-AUT/MPJ)
E11a	8088	9-8	1730	Thu	416/36 Attention 30873 10248 50518 ... 93910 37392 34300 Attention (message repeated) Out		USB	(AB-AUT/MPJ)
E11a	6849	10-8	0700	Fri	573/34 Attention 87802 65030 53807 ... 48845 73901 93713 Attention (message repeated) Out		USB	(AB)
E11a	11581	11-8	1300	Sat	587/36 02230 74589 79959 ... 22729 70044 19659 (message repeated) Out. No "Attention"		USB	(AB/MPJ)

E11a	14865	11-8	1705	Sat	399/32 40447 15551 75117 ... 91492 73412 63517 (message repeated) Out. No "Attention"	USB	(MPJ)
E11a	15795	12-8	1625	Sun	970/33 20796 67444 36783 ... 42988 58307 65350 (message repeated) Out. No "Attention"	USB	(MPJ)
E11a	14410	12-8	1745	Sun	242/34 91736 85658 10512 ... 66406 88749 91014. Rpts. Out	USB	(MPJ/RF2)
E11a	15800	13-8	0640	Mon	945/34 Attention 68538 70563 76670 ... 06416 55825 12586 Attention (message repeated) Out	USB	(AB)
E11a	10429	14-8	0715	Tue	631/39 Attention 87553 27652 10516 ... 42053 23673 66802 Attention (message repeated) Out	USB	(AB)
E11a	12397	14-8	1000	Tue	306/39 14926 73120 88078 ... 17088 84763 96563 (message repeated) Out. No "Attention"	USB	(AB)
E11a	14575	14-8	1645	Tue	330/36 87771 63190 74545 ... 87907 76454 74323 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	15800	15-8	0640	Wed	945/34 Attention 68538 70563 76670 ... 06416 55825 12586 Attention (message repeated) Out	USB	(AB-G)
E11a	15720	15-8	0745	Wed	343/40 73356 07613 44713 ... 92124 44944 20179 (message repeated) Out. No "Attention"	USB	(AB-EST)
E11a	17378	15-8	0820	Wed	132/37 Attention 45857 23620 34723 ... 76994 93532 43616 Attention (message repeated) Out	USB	(AB-EST/HFD)
E11a	7984	15-8	1730	Wed	405/40 86053 56126 12950 ... 65070 43622 75922 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	14575	16-8	1645	Thu	330/36 87771 63190 74545 ... 87907 76454 74323 (message repeated) Out. No "Attention"	USB	(AB-D)
E11a	10429	17-8	0715	Fri	631/39 Attention 87553 27652 10516 ... 42053 23673 66802 Attention (message repeated) Out	USB	(AB)
E11a	12397	17-8	1000	Fri	306/39 14926 73120 88078 ... 17088 84763 96563 (message repeated) Out. No "Attention"	USB	(AB)
E11a	9610	17-8	1910	Fri	612/39 98472 27751 79680 ... 77249 02280 73754 (message repeated) Out. No "Attention"	USB	(AB-AUT)
E11a	7984	18-8	1730	Sat	405/40 86053 56126 12950 ... 65070 43622 75922 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	9130	18-8	2005	Sat	360/31 30644 72392 27835 ... 01116 74019 06616 (message repeated) Out. No "Attention"	USB	(AB)
E11a	9610	19-8	1910	Sun	612/39 98472 27751 79680 ... 77249 02280 73754 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	9130	19-8	2005	Sun	360/31 30644 72392 27835 ... 01116 74019 06616 (message repeated) Out. No "Attention"	USB	(AB)
E11a	9668	20-8	1045	Mon	121/10 Attention 77875 67868 67767 87678 46738 69589 58600 00478 73785 86775 Attention (message repeated) Out	USB	(Avare)
E11a	9668	20-8	1100	Mon	42216 Out	USB	(Avare)
E11a	10170	20-8	1110	Mon	121/10 attention 66458 73767 78874 67875 67664 55456 44432 30101 77615 65355 Attention (message repeated) Out	USB	(Avare)
E11a	7600	20-8	1900	Mon	649/31 12211 78725 58051 ...90991 11519 60430(message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	4146	20-8	2100	Mon	121/25 Attention 34461 57984 74521 ... 78756 65787 54987 attention rpt out	USB	(Avare)
E11a	15825	21-8	1345	Tue	918/39 61194 98267 68049 ... 90720 70431 59097 (message repeated) Out. No "Attention"	USB	(AB)
E11a	4783	21-8	1605	Tue	237/37 40577 10638 75465 ... 27889 96192 90438 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	7600	23-8	1900	Thu	649/31 12211 78725 58051 ...90991 11519 60430(message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	14940	24-8	1650	Fri	927/39 79304 89510 54973 ... 32968 11710 42219 (message repeated) Out. No "Attention"	USB	(AB/MPJ-I/BW3-HOL)
E11a	6480	25-8	0710	Sat	496/35 86980 06077 32010 ... 10614 58510 55360 (message repeated) Out. No "Attention"	USB	(AB)
E11a	9079	25-8	0805	Sat	310/35 44563 00505 29108 ... 48769 98993 58265 (message repeated) Out. No "Attention"	USB	(AB)
E11a	15825	25-8	1345	Sat	918/39 61194 98267 68049 ... 90720 70431 59097 (message repeated) Out. No "Attention"	USB	(AB-G/MPJ)
E11a	6480	26-8	0710	Sun	496/35 86980 06077 32010 ... 10614 58510 55360 (message repeated) Out. No "Attention"	USB	(AB)
E11a	9079	26-8	0805	Sun	310/35 44563 00505 29108 ... 48769 98993 58265 (message repeated) Out. No "Attention"	USB	(AB)
E11a	4783	26-8	1605	Sun	237/37 40577 10638 75465 ... 27889 96192 90438 (message repeated) Out. No "Attention"	USB	(AB/MPJ)
E11a	9610	27-8	0745	Mon	269/37 Attention 02005 02083 18594 ... 58586 38151 15152 Attention (message repeated) Out	USB	(AB)
E11a	8545	27-8	1045	Mon	696/22 Attention 74047 08063 20345 ... 71770 26214 54572 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13537	27-8	1225	Mon	527/38 36693 94950 05142 ... 86089 91926 27776 (message repeated) Out. No "Attention"	USB	(AB-I/MPJ)

E11a	12202	28-8	0845	Tue	154/24 Attention 02783 45527 36832 ... 35848 02506 19900 Attention (message repeated) Out	USB	(AB)
E11a	11581	28-8	1925	Tue	551/34 53784 72757 05223 ... 54519 12843 59668 (message repeated) Out. No "Attention"	USB	(AB)
E11a	13424	30-8	0645	Thu	517/32 Attention 94756 54779 06306 ... 05804 52659 93767 Attention (message repeated) Out	USB	(AB)
E11a	12202	30-8	0845	Thu	154/24 Attention 02783 45527 36832 ... 35848 02506 19900 Attention (message repeated) Out	USB	(AB)
E11a	10356	30-8	1530	Thu	269/37 Attention 02005 02083 18594 ... 58586 38151 15152 Attention (message repeated) Out	USB	(AB/GHn)
E11a	11581	30-8	1925	Thu	551/34 53784 72757 05223 ... 54519 12843 59668 (message repeated) Out. No "Attention"	USB	(AB/MPJ/BW3-D)
E11a	13537	31-8	1225	Fri	527/38 36693 94950 05142 ... 86089 91926 27776 (message repeated) Out. No "Attention"	USB	(AB-G/MPJ)
E17z	16780	2-8	0800	Thu	674 231 5 84523 60543 61462 84040 39493 231 5 00000	USB	(AB)
E17z	12850	2-8	0810	Thu	674 231 5 84523 60543 61462 84040 39493 231 5 00000	USB	(AB)
E17z	16780	9-8	0800	Thu	674 231 5 84523 60543 61462 84040 39493 231 5 00000	USB	(AB)
E17z	12850	9-8	0810	Thu	674 231 5 84523 60543 61462 84040 39493 231 5 00000	USB	(AB)
E17z	16780	16-8	0800	Thu	674 803 5 91458 83723 92688 45952 21431 803 5 00000	USB	(AnEur)
E17z	12850	16-8	0810	Thu	674 803 5 91458 83723 92688 45952 21431 803 5 00000	USB	(AnEur)
E17z	16780	23-8	0800	Thu	674 803 5 91458 83723 92688 45952 21431 803 5 00000	USB	(AB)
E17z	12850	23-8	0810	Thu	674 803 5 91458 83723 92688 45952 21431 803 5 00000	USB	(AB)
E17z	16780	30-8	0800	Thu	674 674 674 00000	USB	(AB-UKR)
E17z	12850	30-8	0810	Thu	674 674 674 00000	USB	(AB)
E17z	10240	30-8	1455	Thu	274 598 31 66215 34911 62498 ... 80721 24009 50905 598 31 00000	USB	(qsr711)
E17z	8080	30-8	1520	Thu	274 598 31 66215 34911 62498 ... 80721 24009 50905 598 31 00000	USB	(qsr711)
EGY	12226.7	5-8	0804	Sun	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	11171.7	15-8	2102	Wed	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	11116.7	17-8	1301	Fri	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
F01	15854	1-8	1840	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ)
F01	13543	1-8	1850	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ/RL)
F01	11126	1-8	1900	Wed	Russian diplo/intel.)576 100000+++++++162	FSK 200/500	(AB/MPJ)
F03a	8423	1-8	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	8423	1-8	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	12385	2-8	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	2-8	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	2-8	1830	Thu	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	6304	2-8	1835	Thu	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	11531	3-8	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	3-8	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8423	6-8	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	8423	6-8	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	12385	7-8	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	7-8	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	7-8	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	7-8	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8423	8-8	1030	Wed	Polish Intel.	FSK 100/200	(AB)

F03a	8423	8-8	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	12385	9-8	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	9-8	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	9-8	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	9-8	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	11531	10-8	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	10-8	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8423	13-8	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	8423	13-8	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	13-8	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	13-8	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	12385	14-8	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	14-8	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	14-8	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	14-8	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	14-8	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	14-8	1805	Tue	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	8423	15-8	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	8423	15-8	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	12385	16-8	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	16-8	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	16-8	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	16-8	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	11531	17-8	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	17-8	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8423	20-8	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	8423	20-8	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	20-8	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	20-8	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	12385	21-8	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	21-8	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	21-8	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	21-8	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	21-8	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	21-8	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8423	22-8	1030	Wed	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	8423	22-8	1035	Wed	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	12385	23-8	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	23-8	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	23-8	1800	Thu	Polish Intel.	FSK 100/200	(AB)

F03a	12385	23-8	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	23-8	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	23-8	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	11531	24-8	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	24-8	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8423	27-8	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	8423	27-8	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	27-8	1830	Mon	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	6304	27-8	1835	Mon	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	12385	28-8	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	28-8	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	28-8	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	28-8	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	28-8	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	28-8	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8423	29-8	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	8423	29-8	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	12385	30-8	1800	Thu	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	12385	30-8	1805	Thu	Polish Intel.	FSK 100/200	(AB/MPJ)
F03a	6304	30-8	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	30-8	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	11531	31-8	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	31-8	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03b	7670	1-8	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	1-8	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	2-8	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	2-8	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	8-8	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	8-8	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	9-8	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	9-8	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	15-8	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	15-8	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	22-8	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	22-8	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	23-8	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	23-8	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	29-8	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	29-8	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	30-8	0915	Thu	Polish Intel.	FSK 200/400	(AB)

F03b	7670	30-8	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03c	10210	3-8	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	3-8	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	6-8	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	6-8	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	9-8	0940	Thu	Polish Intel.	FSK 400/960	(AB)
F03c	10210	9-8	0945	Thu	Polish Intel.	FSK 400/960	(AB)
F03c	10210	10-8	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	10-8	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	13-8	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	13-8	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	17-8	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	17-8	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	20-8	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	20-8	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	24-8	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	24-8	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	27-8	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	27-8	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	31-8	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	10210	31-8	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F06	16346	1-8	0600	Wed	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-NZL)
F06	14847	1-8	0610	Wed	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-RUS)
F06	12223	1-8	0620	Wed	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-RUS)
F06	14976	1-8	0800	Wed	Russian diplo/intel. 11166 70048 59214 01043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	13373	1-8	0810	Wed	Russian diplo/intel. 11166 70048 59214 01043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	11168	1-8	0820	Wed	Russian diplo/intel. 11166 70048 59214 01043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16346	2-8	0600	Thu	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-RUS)
F06	14847	2-8	0610	Thu	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-RUS)
F06	12223	2-8	0620	Thu	Russian diplo/intel. 11166 40122 32178 28085 03269	FSK 100/2000	(AB-RUS)
F06	14978	2-8	1330	Thu	Russian diplo/intel. 11166 80214 82465 02045 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	11216	2-8	1340	Thu	Russian diplo/intel. 11166 80214 82465 02045 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	10164	2-8	1350	Thu	Russian diplo/intel. 11166 80214 82465 02045 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	12229	4-8	0800	Sat	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)
F06	12229	4-8	0800	Sat	Russian diplo/intel. Header: 11166 70147 98751 27086 03609	FSK 200/1000	(AB)
F06	8025	4-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 98751 27086 03609	FSK 200/1000	(Danix)
F06	10178	4-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)
F06	10178	4-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 98751 27086 03609	FSK 200/1000	(Danix)
F06	10178	4-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 98751 27086 03609	FSK 200/1000	(AB)
F06	8025	4-8	0820	Sat	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)

F06	8025	4-8	0820	Sat	Russian diplo/intel. Header: 11166 70147 98751 27086 03609	FSK 200/1000	(AB)
F06	14354	4-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	12226	4-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	10308	4-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	16289	4-8	2100	Sat	Russian diplo/intel. 11166 40133 13254 04038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14461	4-8	2110	Sat	Russian diplo/intel. 11166 40133 13254 04038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	12176	4-8	2120	Sat	Russian diplo/intel. 11166 40133 13254 04038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14354	5-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	12226	5-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	10308	5-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 31246 03049 01249	FSK 200/1000	(AB)
F06	17428	5-8	1530	Sun	Russian diplo/intel. 11166 10053 81451 05064 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	15786	5-8	1540	Sun	Russian diplo/intel. 11166 10053 81451 05064 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	12228	5-8	1550	Sun	Russian diplo/intel. 11166 10053 81451 05064 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10748	6-8	0400	Mon	Russian diplo/intel. 11166 70059 17935 06020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9139	6-8	0410	Mon	Russian diplo/intel. 11166 70059 17935 06020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7424	6-8	0420	Mon	Russian diplo/intel. 11166 70059 17935 06020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17534	7-8	1641	Tue	Russian diplo/intel. Test: 1683539705420886726956421683539705434 2168353970000000000000000000000000000000	FSK 200/1000	(AB)
F06	17534	7-8	1650	Tue	Russian diplo/intel. 11166 10053 31254 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	7-8	1700	Tue	Russian diplo/intel. 11166 10053 31254 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	7-8	1710	Tue	Russian diplo/intel. 11166 10053 31254 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	8-8	0600	Wed	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087 03029	FSK 100/2000	(AB-RUS)
F06	14847	8-8	0610	Wed	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087 03029	FSK 100/2000	(AB-RUS)
F06	12223	8-8	0620	Wed	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087 03029	FSK 100/2000	(AB-RUS)
F06	14976	8-8	0800	Wed	Russian diplo/intel. 11166 70048 23871 08071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16046	8-8	0800	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	13373	8-8	0810	Wed	Russian diplo/intel. 11166 70048 23871 08071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	14354	8-8	0810	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	11168	8-8	0820	Wed	Russian diplo/intel. 11166 70048 23871 08071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	12228	8-8	0820	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	17434	8-8	0905	Wed	Russian diplo/intel. Test: 4646464646464646464646464646464	FSK 100/2000	(AB)
F06	17434	8-8	0915	Wed	Russian diplo/intel. 11166 10031 15987 08026 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	14369	8-8	0925	Wed	Russian diplo/intel. 11166 10031 15987 08026 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	11163	8-8	0935	Wed	Russian diplo/intel. 11166 10031 15987 08026 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16346	9-8	0600	Thu	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087 03029	FSK 100/2000	(AB-RUS)
F06	14847	9-8	0610	Thu	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087	FSK 100/2000	(AB-RUS)

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F06	12223	9-8	0620	Thu	Russian diplo/intel. Headers: 11166 40122 46518 04086 02729 and 11166 40122 97841 04087 03029	FSK 100/2000	(AB-RUS)	
F06	16046	9-8	0800	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)	
F06	14354	9-8	0810	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)	
F06	12228	9-8	0820	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)	
F06	14978	9-8	1330	Thu	Russian diplo/intel. 11166 80214 12378 09003 00049 00000 00000 00000 00000	FSK 100/2000	(AB-AUT/MPJ-AUT)	
F06	11216	9-8	1340	Thu	Russian diplo/intel. 11166 80214 12378 09003 00049 00000 00000 00000 00000	FSK 100/2000	(AB-AUT/MPJ-AUT)	
F06	10164	9-8	1350	Thu	Russian diplo/intel. 11166 80214 12378 09003 00049 00000 00000 00000 00000	FSK 100/2000	(AB-AUT/MPJ-AUT)	
F06	16186	11-8	0900	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	14571	11-8	0910	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	12195	11-8	0920	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	14354	11-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	12226	11-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	10308	11-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	16289	11-8	2100	Sat	Russian diplo/intel. 11166 40133 31254 11001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix/RL)	
F06	14461	11-8	2110	Sat	Russian diplo/intel. 11166 40133 13254 04038 00049 00000 00000 00000 00000	FSK 200/1000	(Danix/RL)	
F06	12176	11-8	2120	Sat	Russian diplo/intel. 11166 40133 13254 04038 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)	
F06	12229	12-8	0800	Sun	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)	
F06	10178	12-8	0810	Sun	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)	
F06	8025	12-8	0820	Sun	Russian diplo/intel. Header: 11166 70147 85317 10087 01269	FSK 200/1000	(AB)	
F06	16186	12-8	0900	Sun	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	14571	12-8	0910	Sun	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	12195	12-8	0920	Sun	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB)	
F06	14354	12-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	12226	12-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	10308	12-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 97538 10050 01029	FSK 200/1000	(AB/MPJ)	
F06	17428	12-8	1530	Sun	Russian diplo/intel. 11166 10053 15987 12064 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)	
F06	15786	12-8	1540	Sun	Russian diplo/intel. 11166 10053 15987 12064 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)	
F06	12228	12-8	1550	Sun	Russian diplo/intel. 11166 10053 15987 12064 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)	
F06	9936	14-8	0030	Tue	Russian diplo/intel. 11166 60070 48153 14074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	8095	14-8	0040	Tue	Russian diplo/intel. 11166 60070 48153 14074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	6943	14-8	0050	Tue	Russian diplo/intel. 11166 60070 48153 14074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)	
F06	17534	14-8	1650	Tue	Russian diplo/intel. 11166 10053 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)	
F06	15613	14-8	1700	Tue	Russian diplo/intel. 11166 10053 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN/MPJ)	
F06	12215	14-8	1710	Tue	Russian diplo/intel. 11166 10053 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)	
F06	16346	15-8	0600	Wed	Russian diplo/intel. 11166 40122 68301 15023 00049 00000 00000 00000 00000	FSK 100/2000	(AB-RUS)	
F06	14847	15-8	0610	Wed	Russian diplo/intel. 11166 40122 68301 15023 00049 00000 00000 00000 00000	FSK 100/2000	(AB-RUS)	
F06	12223	15-8	0620	Wed	Russian diplo/intel. 11166 40122 68301 15023 00049 00000 00000 00000 00000	FSK 100/2000	(AB-RUS)	
F06	14976	15-8	0800	Wed	Russian diplo/intel. 11166 70048 08746 15049 00049 00000 00000 00000 00000	FSK 100/2000	(AB)	

F06	13373	15-8	0810	Wed	Russian diplo/intel. 11166 70048 08746 15049 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	11168	15-8	0820	Wed	Russian diplo/intel. 11166 70048 08746 15049 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	14978	16-8	1330	Thu	Russian diplo/intel. 11166 80214 15639 16053 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	11216	16-8	1340	Thu	Russian diplo/intel. 11166 80214 15639 16053 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	10164	16-8	1350	Thu	Russian diplo/intel. 11166 80214 15639 16053 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	14354	18-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/MPJ/Danix)
F06	12226	18-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/MPJ/Danix)
F06	10308	18-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/MPJ/Danix)
F06	16289	18-8	2100	Sat	Russian diplo/intel. 11166 40133 79513 18012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/Danix)
F06	14461	18-8	2110	Sat	Russian diplo/intel. 11166 40133 79513 18012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/Danix)
F06	12176	18-8	2120	Sat	Russian diplo/intel. 11166 40133 79513 18012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL/Danix)
F06	14354	19-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/Danix/MPJ)
F06	12226	19-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/Danix/MPJ)
F06	10308	19-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 78532 17051 00829	FSK 200/1000	(AB/Danix/MPJ)
F06	17428	19-8	1530	Sun	Russian diplo/intel. 11166 10053 31254 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S/Danix/MPJ)
F06	15786	19-8	1540	Sun	Russian diplo/intel. 11166 10053 31254 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S/Danix/MPJ)
F06	12228	19-8	1550	Sun	Russian diplo/intel. 11166 10053 31254 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	10748	20-8	0400	Mon	Russian diplo/intel. 11166 70059 31254 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9139	20-8	0410	Mon	Russian diplo/intel. 11166 70059 31254 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7424	20-8	0420	Mon	Russian diplo/intel. 11166 70059 31254 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9936	21-8	0030	Tue	Russian diplo/intel. 11100 60070 15987 21074 00049 00000 00000 00000 00000. The first group was sent as 11100 at 0030 and 0040 UTC and as 11166 at 0050 UTC	FSK 200/1000	(AB)
F06	8095	21-8	0040	Tue	Russian diplo/intel. 11100 60070 15987 21074 00049 00000 00000 00000 00000. The first group was sent as 11100 at 0030 and 0040 UTC and as 11166 at 0050 UTC	FSK 200/1000	(AB)
F06	6943	21-8	0050	Tue	Russian diplo/intel. 11166 60070 15987 21074 00049 00000 00000 00000 00000. The first group was sent as 11100 at 0030 and 0040 UTC and as 11166 at 0050 UTC	FSK 200/1000	(AB)
F06	17534	21-8	1650	Tue	Russian diplo/intel. 11166 10053 13251 21068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	21-8	1700	Tue	Russian diplo/intel. 11166 10053 13251 21068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	21-8	1710	Tue	Russian diplo/intel. 11166 10053 13251 21068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	22-8	0600	Wed	Russian diplo/intel. Header: 11166 40122 25648 18088 03879 Mostly unreadable	FSK 100/2000	(AB-CHN)
F06	14847	22-8	0610	Wed	Russian diplo/intel. Header: 11166 40122 25648 18088 03879 Mostly unreadable	FSK 100/2000	(AB-J)
F06	12223	22-8	0620	Wed	Russian diplo/intel. Header: 11166 40122 25648 18088 03879 Mostly unreadable	FSK 100/2000	(AB-NZL)
F06	14976	22-8	0800	Wed	Russian diplo/intel. 11166 70048 36215 22071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16046	22-8	0800	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	13373	22-8	0810	Wed	Russian diplo/intel. 11166 70048 36215 22071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	14354	22-8	0810	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	11168	22-8	0820	Wed	Russian diplo/intel. 11166 70048 36215 22071 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	12228	22-8	0820	Wed	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	17434	22-8	0915	Wed	Russian diplo/intel. 11166 10031 13579 22001 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	14369	22-8	0925	Wed	Russian diplo/intel. 11166 10031 13579 22001 00049 00000 00000 00000 00000	FSK 100/2000	(AB)

F06	11163	22-8	0935	Wed	Russian diplo/intel. 11166 10031 13579 22001 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16346	23-8	0600	Thu	Russian diplo/intel. Header: 11166 40122 25648 18088 03879	FSK 100/2000	(AB-RUS)
F06	14847	23-8	0610	Thu	Russian diplo/intel. Header: 11166 40122 25648 18088 03879	FSK 100/2000	(AB-RUS)
F06	12223	23-8	0620	Thu	Russian diplo/intel. Header: 11166 40122 25648 18088 03879	FSK 100/2000	(AB-RUS)
F06	16046	23-8	0800	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	14354	23-8	0810	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	12228	23-8	0820	Thu	Russian diplo/intel. Header: 11166 00052 31245 07031 02529	FSK 100/2000	(AB)
F06	14978	23-8	1330	Thu	Russian diplo/intel. 11166 80214 72416 23089 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	11216	23-8	1340	Thu	Russian diplo/intel. 11166 80214 72416 23089 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	10164	23-8	1350	Thu	Russian diplo/intel. 11166 80214 72416 23089 00049 00000 00000 00000 00000	FSK 100/2000	(AB/MPJ)
F06	12229	25-8	0800	Sat	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB/Danix)
F06	10178	25-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB/Danix)
F06	8025	25-8	0820	Sat	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB/Danix)
F06	16186	25-8	0900	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB/Danix)
F06	14571	25-8	0910	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB/Danix)
F06	12195	25-8	0920	Sat	Russian diplo/intel. Header: 11166 70004 57342 10010 00519	FSK 200/1000	(AB/Danix)
F06	14354	25-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB/MPJ/Danix)
F06	12226	25-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB/MPJ/Danix)
F06	10308	25-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB/MPJ/Danix)
F06	16289	25-8	2100	Sat	Russian diplo/intel. 11166 40133 36987 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14461	25-8	2110	Sat	Russian diplo/intel. 11166 40133 36987 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12176	25-8	2120	Sat	Russian diplo/intel. 11166 40133 36987 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12229	26-8	0800	Sun	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB)
F06	10178	26-8	0810	Sun	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB)
F06	8025	26-8	0820	Sun	Russian diplo/intel. Header: 11166 70147 35741 24088 01529	FSK 200/1000	(AB)
F06	14354	26-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB)
F06	12226	26-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB)
F06	10308	26-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 15938 24052 00269	FSK 200/1000	(AB)
F06	17428	26-8	1530	Sun	Russian diplo/intel. 11166 10053 79513 26012 00049 000000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	15786	26-8	1540	Sun	Russian diplo/intel. 11166 10053 79513 26012 00049 000000 00000 00000 00000	FSK 200/1000	(AB-FIN/MPJ)
F06	12228	26-8	1550	Sun	Russian diplo/intel. 11166 10053 79513 26012 00049 000000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17534	28-8	1650	Tue	Russian diplo/intel. 11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	28-8	1700	Tue	Russian diplo/intel. 11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	28-8	1710	Tue	Russian diplo/intel. 11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	29-8	0600	Wed	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-RUS)
F06	14847	29-8	0610	Wed	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-NZL)
F06	12223	29-8	0620	Wed	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-NZL)

F06	14976	29-8	0800	Wed	Russian diplo/intel. 11166 70048 75321 29043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	13373	29-8	0810	Wed	Russian diplo/intel. 11166 70048 75321 29043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	11168	29-8	0820	Wed	Russian diplo/intel. 11166 70048 75321 29043 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	16346	30-8	0600	Thu	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-NZL)
F06	14847	30-8	0610	Thu	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-NZL)
F06	12223	30-8	0620	Thu	Russian diplo/intel. Headers: 11166 40122 87325 25089 03049 and 11166 40122 32980 25090 02449	FSK 100/2000	(AB-NZL)
F06	14978	30-8	1330	Thu	Russian diplo/intel. 11166 80214 15639 30079 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	11216	30-8	1340	Thu	Russian diplo/intel. 11166 80214 15639 30079 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F06	10164	30-8	1350	Thu	Russian diplo/intel. 11166 80214 15639 30079 00049 00000 00000 00000 00000	FSK 100/2000	(AB)
F11	13424	1-8	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	1-8	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	1-8	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	1-8	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ-HOL)
F11	13424	6-8	0845	Mon	0353 88888 88888 36766 87878 30521 ... 30541 77942 29735 88888 88888 00038 00038	FSK 100/620	(AB)
F11	13424	6-8	0850	Mon	0353 88888 88888 36766 87878 30521 ... 30541 77942 29735 88888 88888 00038 00038	FSK 100/620	(AB)
F11	6280	7-8	1150	Tue	0325 88888 88888 86754 43174 47104 ... 24518 13978 46058 88888 88888 00035 00035	FSK 100/620	(AB-AUT)
F11	6280	7-8	1155	Tue	0325 88888 88888 86754 43174 47104 ... 24518 13978 46058 88888 88888 00035 00035	FSK 100/620	(AB-AUT/MPJ-HOL)
F11	13424	8-8	0845	Wed	0353 88888 88888 36766 87878 30521 ... 30541 77942 29735 88888 88888 00038 00038	FSK 100/620	(AB)
F11	13424	8-8	0850	Wed	0353 88888 88888 36766 87878 30521 ... 30541 77942 29735 88888 88888 00038 00038	FSK 100/620	(AB)
F11	6280	8-8	1150	Wed	0325 88888 88888 86754 43174 47104 ... 24518 13978 46058 88888 88888 00035 00035	FSK 100/620	(AB)
F11	6280	8-8	1155	Wed	0325 88888 88888 86754 43174 47104 ... 24518 13978 46058 88888 88888 00035 00035	FSK 100/620	(AB)
F11	13424	13-8	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	13-8	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	14-8	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	6280	14-8	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	13424	15-8	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	15-8	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	15-8	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	6280	15-8	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	13424	20-8	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	20-8	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	21-8	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	21-8	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	22-8	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	13424	22-8	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
F11	6280	22-8	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
F11	6280	22-8	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)

F11	13424	27-8	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
F11	13424	27-8	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
F11	6280	28-8	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)						
F11	6280	28-8	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)						
F11	13424	29-8	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
F11	13424	29-8	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
F11	6280	29-8	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
F11	6280	29-8	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)						
G06	7320	6-8	0756	Mon	329 329 329 00000. Windows shutdown sound. Early start							USB	(AB)
G06	5287	6-8	1657	Mon	938 938 938 00000 Early start							USB	(AB/MPJ)
G06	5287	6-8	1706	Mon	111 111 111 00000							USB	(AB)
G06	4953	6-8	1757	Mon	938 938 938 00000 Early start							USB	(AB/MPJ)
G06	6978	8-8	1158	Wed	938 938 938 00000							USB	(AB-AUT)
G06	7423	8-8	1256	Wed	938 938 938 00000 Early start							USB	(AB-POL)
G06	5890	9-8	1257	Thu	329 329 329 00000							USB	(AB-EST)
G06	6887	9-8	1758	Thu	842 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000							USB	(AB)
G06	5935	10-8	1930	Fri	218 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000							USB	(AnEur)
G06	5287	13-8	1700	Mon	938 938 938 00000							USB	(AB/MPJ)
G06	5287	13-8	1709	Mon	938 938 938 00000							USB	(AB)
G06	4953	13-8	1800	Mon	938 938 938 00000							USB	(AB/MPJ)
G06	6978	15-8	1200	Wed	938 938 938 00000							USB	(AB/MPJ)
G06	6978	15-8	1207	Wed	111 111 111 00000							USB	(AB)
G06	7423	15-8	1212	Wed	111 111 111 00000							USB	(AB)
G06	7423	15-8	1213	Wed	111 111 111 00000							USB	(AB)
G06	7423	15-8	1300	Wed	938 938 938 00000							USB	(AB/MPJ)
G06	7320	20-8	0759	Mon	111 111 111 00000							USB	(AB)
G06	7320	20-8	0800	Mon	329 329 329 00000							USB	(AB)
G06	5890	23-8	1300	Thu	329 329 329 00000. Windows shut down sound at 1311 UTC							USB	(AB-POL)
G06	6887	23-8	1830	Thu	842 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000 Windows shut down sound							USB	(AB/MPJ)
G06	5943	24-8	1930	Fri	218 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000							USB	(AB)
HM01	11435	1-8	1554	Wed	68286 00122 38879 25547 31141 75439							AM/RDFT	(RR2)
HM01	11530	1-8	1653	Wed	68286 00122 38879 25547 31141 75439							AM/RDFT	(BW3)
HM01	11635	1-8	1753	Wed	68286 00122 38879 25547 31141 75439							AM/RDFT	(BW3)
HM01	11635	1-8	2058	Wed	68286 00122 38879 25547 31141 75439							AM/RDFT	(BW3)
HM01	11435	2-8	1553	Thu	68287 00123 55561 25548 31141 70421							AM/RDFT	(RR2)
HM01	11435	3-8	1554	Fri	68288 00124 55561 25549 31142 70421							AM/RDFT	(RR2)
HM01	11635	3-8	2054	Fri	68288 00124 55561 25549 31142 70421							AM/RDFT	(RL)
HM01	10715	3-8	2156	Fri	68288 00124 55561 25549 31142 70421							AM/RDFT	(RL)
HM01	11435	4-8	1553	Sat	68289 00125 55562 27421 31143 70422							AM/RDFT	(RR2)
HM01	16180	4-8	2054	Sat	68289 00125 55562 27421 31143 70422							AM/RDFT	(RL)

HM01	17480	4-8	2154	Sat	68289 00125 55562 27421 31143 70422	AM/RDFT	(RL)
HM01	11435	5-8	1553	Sun	80401 00126 55563 27421 31144 70423	AM/RDFT	(RR2)
HM01	10715	5-8	2200	Sun	80401 00126 55563 27421 31144 70423	AM/RDFT	(Dan/BW3/RL)
HM01	9240	6-8	0855	Mon	80401 00126 55563 27421 31144 70423	AM/RDFT	(AB)
HM01	11435	6-8	1553	Mon	80401 00127 55564 27422 31145 70424	AM/RDFT	(RR2)
HM01	11635	6-8	2049	Mon	Carrier 2049z, short transmission at 2109z: 80401 00127 55564 27422 31145 70424	AM/RDFT	(BW3)
HM01	10715	6-8	2158	Mon	i.p. 80401 00127 55564 27422 31145 70424	AM/RDFT	(BW3)
HM01	11435	7-8	1553	Tue	80402 00128 55565 27423 31146 70425	AM/RDFT	(RR2)
HM01	16180	7-8	2100	Tue	i.p. 80402 00128 55565 27423 31146 70425	AM/RDFT	(RL)
HM01	17480	7-8	2154	Tue	80402 00128 55565 27423 31146 70425	AM/RDFT	(RL)
HM01	9065	8-8	0754	Wed	80402 00128 55565 27423 31146 70425	AM/RDFT	(AB)
HM01	9240	8-8	0854	Wed	80402 00128 55565 27423 31146 70425	AM/RDFT	(AB)
HM01	11435	8-8	1553	Wed	80403 04171 55566 27424 31147 70426	AM/RDFT	(RR2/BW3)
HM01	11635	8-8	2054	Wed	80403 04171 55566 27424 31147 70426	AM/RDFT	(RL)
HM01	10715	8-8	2154	Wed	80403 04171 55566 27424 31147 70426	AM/RDFT	(RL/BW3)
HM01	11435	9-8	1553	Thu	80404 04171 55567 27425 31148 70427	AM/RDFT	(RR2)
HM01	11435	10-8	1553	Fri	80405 04172 11811 27426 47321 70041	AM/RDFT	(RR2)
HM01	11435	11-8	1553	Sat	80406 04173 11811 27427 47321 70041	AM/RDFT	(RR2)
HM01	16180	11-8	2054	Sat	80406 04173 11811 27427 47321 70041	AM/RDFT	(RL)
HM01	17480	11-8	2155	Sat	i.p. 80406 04173 11811 27427 47321 70041	AM/RDFT	(RL)
HM01	11435	12-8	1553	Sun	80407 04174 11812 27428 47322 70042	AM/RDFT	(RR2)
HM01	10715	12-8	2154	Sun	80407 04174 11812 27428 47322 70042	AM/RDFT	(Dan/RL)
HM01	11435	13-8	1553	Mon	80408 04175 11813 27429 47323 70043	AM/RDFT	(RR2/BW3)
HM01	11530	13-8	1703	Mon	80408 04175 11813 27429 47323 70043	AM/RDFT	(BW3)
HM01	10715	13-8	2154	Mon	80408 04175 11813 27429 47323 70043	AM/RDFT	(RL)
HM01	11435	14-8	1553	Tue	80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RR2)
HM01	11435	14-8	1627	Tue	i.p. 80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RR2)
HM01	11530	14-8	1700	Tue	i.p. 80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RR2)
HM01	16180	14-8	2054	Tue	80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RL)
HM01	17480	14-8	2154	Tue	80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RL)
HM01	11435	15-8	1553	Wed	80408 04175 11813 27429 47323 70043 (Repeating the message of 13 Aug)	AM/RDFT	(RR2/BW3)
HM01	11635	15-8	2054	Wed	Carrier until 2110z then 52011 04177 11815 42571 47325 70045	AM/RDFT	(RL)
HM01	10715	15-8	2154	Wed	52011 04177 11815 42571 47325 70045	AM/RDFT	(RL)
HM01	11435	16-8	1553	Thu	52011 04177 11815 42571 47325 70045	AM/RDFT	(RR2)
HM01	16180	16-8	2059	Thu	Starts late and i.p. 52011 04177 11815 42571 47325 70045	AM/RDFT	(RL)
HM01	11435	17-8	1553	Fri	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2)
HM01	11635	17-8	1750	Fri	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(BW3)
HM01	10715	17-8	2154	Fri	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	11435	18-8	1553	Sat	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2)
HM01	16180	18-8	2059	Sat	i.p. 52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)

HM01	17480	18-8	2154	Sat	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	11435	19-8	1553	Sun	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2)
HM01	10715	19-8	2155	Sun	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(BW3)
HM01	10715	19-8	2200	Sun	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(Dan)
HM01	11435	20-8	1553	Mon	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2)
HM01	11635	20-8	2054	Mon	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	10715	20-8	2154	Mon	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	11435	21-8	1553	Tue	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2/BW3)
HM01	11635	21-8	1757	Tue	i.p. 52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(BW3)
HM01	16180	21-8	2056	Tue	i.p. 52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	11435	22-8	1553	Wed	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RR2)
HM01	10715	22-8	2154	Wed	52011 04177 11815 42571 47325 70045 (Repeating the message of 15 Aug)	AM/RDFT	(RL)
HM01	11435	23-8	1603	Thu	up late 52014 33503 11819 42575 58771 02451	AM/RDFT	(RR2/BW3)
HM01	11530	23-8	1654	Thu	52014 33503 11819 42575 58771 02451	AM/RDFT	(BW3)
HM01	11435	24-8	1553	Fri	52015 33504 74741 42576 58772 02452	AM/RDFT	(RR2/BW3)
HM01	11530	24-8	1654	Fri	52015 33504 74741 42576 58772 02452	AM/RDFT	(RL/BW3)
HM01	11530	24-8	1757	Fri	Should be on 11635 kHz. Carrier at 1747z. Windows XP startup tune at 1751z. Off at 1759z.	AM	(BW3)
HM01	11635	24-8	1759	Fri	Carrier up on at 1759z but HM01 never came on the air	AM	(BW3)
HM01	11435	25-8	1558	Sat	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2)
HM01	11435	26-8	1559	Sun	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2)
HM01	11435	27-8	1557	Mon	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2)
HM01	11435	28-8	1557	Tue	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2/BW3)
HM01	11435	29-8	1557	Wed	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2)
HM01	11435	29-8	1645	Wed	i.p. 52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
HM01	11530	29-8	1700	Wed	Late start 52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
HM01	11635	29-8	1800	Wed	i.p. 52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
HM01	11635	29-8	2000	Wed	Late start 52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
HM01	10715	29-8	2200	Wed	Late start 52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
HM01	11435	30-8	1600	Thu	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(RR2)
HM01	11635	30-8	1800	Thu	52015 33504 74741 42576 58772 02452 (Repeating the message of 24 Aug)	AM/RDFT	(BW3)
Jammer	5830	13-8	1507	Mon	Jammer for Radio Free Asia, via Tinian	AM	(BW3-J)
Jammer	7335	29-8	1530	Wed	Jammer over Radio Marti	AM	(BW3)
M01	5280	2-8	1800	Thu	025 195 195 30 30 = 90845 32279 52964 ... 12256 14697 03636 = = 195 195 30 30 000	CW	(AB-POL/MPJ-RUS)
M01	6435	4-8	1500	Sat	025 183 183 30 30 = = 19194 65614 29292 ... 41739 42636 91264 = = 183 183 30 30 000	CW	(MPJ)
M01	5280	7-8	1800	Tue	025 (long gaps) 025 791 791 30 30 = = 50120 32226 18236 ... (break in text; end missed) 73856 791 791 30 30 000	CW	(MPJ)
M01	6435	11-8	1500	Sat	025 218 218 30 30 = = 49362 90165 31438 ... 23582 58422 61211 = = 218 218 30 30 000	CW	(MPJ)
M01	6780	12-8	0700	Sun	Long zeros 025 220 30 220 30 220 30 220 30 220 30 220 30 83349 03527 92792 ... 98766 31848 42546 220 30 220 30 000	CW	(AB)
M01	5280	14-8	1800	Tue	025 793 793 = 30 30 = = 60279 73982 24307 ... 91181 83292 02205 = = 793 793 = 30 30 000 Long	CW	(AB-EST/MPJ)

					zeros		
M01	4905	14-8	2000	Tue	Very distorted signal 025 173 173 = 30 30 66205 25506 91116 ... 85887 81080 94253 == 173 173 = 30 30 000 Short zeros	CW	(AB-EST)
M01	5280	16-8	1749	Thu	VVV VVV VVV VVV	CW	(AB)
M01	5280	16-8	1800	Thu	025 223 223 30 30 == 00784 15946 97083 ... 73883 38288 81530 == 223 223 30 30 000	CW	(MPJ)
M01	6435	18-8	1500	Sat	Error in header 1 71171 = 30 30 45889 79813 95246 ... 81515 03390 04634 == 171 171 = 30 30 000	CW	(AB/MPJ)
M01	6780	19-8	0700	Sun	025 315 315 30 30 == 13810 89839 58340 ... 77439 32182 03710 == 315 30 30 000	CW	(AB)
M01	5280	21-8	1800	Tue	025 147 147 30 30 == 63222 97299 53751 ... 58344 3557_ 02568 == 147 147 30 30 000	CW	(MPJ)
M01	5280	23-8	1800	Thu	025 421 421 30 30 == 11496 55469 68111 ... 00106 81725 19723 == 421 421 30 30 000	CW	(AB/MPJ)
M01	6435	25-8	1500	Sat	025 178 178 30 30 == 11496 55469 68111 ... 00106 81725 19724 == 178 178 30 30 000	CW	(AB/MPJ)
M01	6780	26-8	0700	Sun	025 987 987 = 30 30 = 42087 02881 92565 ... 40864 73319 97325 = 987 987 = 30 30 000	CW	(AB)
M01	5280	28-8	1800	Tue	025 227 227 30 30 == 83778 83541 52353 ... 07072 22193 74501 == 227 227 30 000	CW	(AB/MPJ)
M01	5280	30-8	1800	Thu	025 217 217 30 30 == 27997 31326 55008 ... 82343 27286 86370 == 217 1.6 000000000000 217 217 30 30 000	CW	(AB/MPJ)
M01a	4541	8-8	1433	Wed	252 800 34 252 812 35 040 01 111 000	CW	(F5JBR)
M01b	5095	2-8	1832	Thu	815 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5760 kHz	MCW	(MPJ-HOL)
M01b	5760	2-8	1832	Thu	815 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5095 kHz	MCW	(MPJ-HOL)
M01b	5075	3-8	1902	Fri	336 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	3-8	1902	Fri	336 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5075 kHz	MCW	(MPJ)
M01b	5125	6-8	1810	Mon	364 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5735 kHz	MCW	(MPJ-I)
M01b	5725	6-8	1810	Mon	364 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5125 kHz	MCW	(MPJ-I)
M01b	5150	6-8	1915	Mon	858 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	6-8	1915	Mon	858 131 31 = = 72468 04545 75144 ... 04618 36344 33994 = = 131 31 000 //5150 kHz	MCW	(MPJ)
M01b	5475	10-8	1902	Fri	386 (repeating). At 1905z stops-goes to 5465 kHz	MCW	(MPJ-HOL)
M01b	5075	10-8	1905	Fri	386 131 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5465 kHz	MCW	(MPJ-HOL)
M01b	5465	10-8	1905	Fri	386 131 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5075 kHz	MCW	(MPJ-HOL)
M01b	5125	13-8	1810	Mon	364 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5735 kHz	MCW	(MPJ-HOL)
M01b	5735	13-8	1810	Mon	364 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5125 kHz	MCW	(MPJ-HOL)
M01b	5150	13-8	1915	Mon	858 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	13-8	1915	Mon	858 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	16-8	1832	Thu	815 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5760 kHz	MCW	(MPJ)
M01b	5760	16-8	1832	Thu	815 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5095 kHz	MCW	(MPJ)
M01b	5125	20-8	1810	Mon	364 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5735 kHz	MCW	(MPJ-HOL)
M01b	5735	20-8	1810	Mon	364 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5125 kHz	MCW	(MPJ-HOL)
M01b	5150	20-8	1915	Mon	858 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5475 kHz	MCW	(MPJ-HOL)
M01b	5475	20-8	1915	Mon	858 131 31 = 31 = 72468 04445 75144 ... 04618 36344 33994 = = 131 31 000 //5150 kHz	MCW	(MPJ-HOL)
M01b	5075	24-8	1902	Fri	336 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 = = 725 31 000 //5465 kHz	MCW	(MPJ-HOL)
M01b	5465	24-8	1902	Fri	336 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 = = 725 31 000 //5075 kHz	MCW	(MPJ-HOL)
M01b	5125	27-8	1810	Mon	364 725 31 = 31 = 43942 17451 91357 ... 74006 76639 87056 = = 725 31 000 //5735 kHz	MCW	(MPJ-HOL)

M01b	5735	27-8	1810	Mon	364 725 31 = 31 = 43942 17451 91357 ... 74006 76639 87056 == 725 31 000 //5125 kHz	MCW	(MPJ-HOL)
M01b	5150	27-8	1915	Mon	858 725 31 = 31 = 43942 17451 91357 ... 74006 76639 87056 == 725 31 000 //5475 kHz	MCW	(MPJ-HOL)
M01b	5475	27-8	1915	Mon	858 725 31 = 31 = 43942 17451 91357 ... 74006 76639 87056 == 725 31 000 //5150 kHz	MCW	(MPJ-HOL)
M01b	5095	30-8	1832	Thu	815 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 == 725 31 000 //5760 kHz	MCW	(MPJ-HOL)
M01b	5760	30-8	1832	Thu	815 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 == 725 31 000 //5095 kHz	MCW	(MPJ-HOL)
M01b	5075	31-8	1902	Fri	336 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 == 725 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	31-8	1902	Fri	336 725 31 = 31 = 43942 17451 91357< ... 74006 76639 87056 == 725 31 000 //5075 kHz	MCW	(MPJ)
M12	15983	1-8	1400	Wed	963 963 963 000	CW	(AB/MPJ)
M12	14683	1-8	1420	Wed	963 963 963 000	CW	(AB/MPJ)
M12	16148	1-8	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	1-8	2010	Wed	174 174 174 000	CW	(AB)
M12	8123	1-8	2100	Wed	198 198 198 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB/RL/HFD)
M12	6923	1-8	2120	Wed	198 198 198 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB/RL/HFD)
M12	5823	1-8	2140	Wed	198 198 198 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB/HFD)
M12	12193	2-8	0500	Thu	122 122 122 000	CW	(AB-RUS/SDX)
M12	11093	2-8	0520	Thu	122 122 122 000	CW	(AB-RUS/SDX)
M12	14377	2-8	1700	Thu	317 317 317 1 3802 110 3802 110 20570 58082 84652 ... 35458 56304 39912 000 000	CW	(AB/MPJ)
M12	13461	2-8	1720	Thu	317 317 317 1 3802 110 3802 110 20570 58082 84652 ... 35458 56304 39912 000 000	CW	(AB/MPJ)
M12	12114	2-8	1740	Thu	317 317 317 1 3802 110 3802 110 20570 58082 84652 ... 35458 56304 39912 000 000	CW	(AB/MPJ)
M12	10343	2-8	1900	Thu	124 124 124 1 9154 128 9154 128 31466 42822 23483 ... 39372 33381 03580 000 000	CW	(AB/MPJ)
M12	9264	2-8	1920	Thu	124 124 124 1 9154 128 9154 128 31466 42822 23483 ... 39372 33381 03580 000 000	CW	(AB/MPJ)
M12	8116	2-8	1940	Thu	124 124 124 1 9154 128 9154 128 31466 42822 23483 ... 39372 33381 03580 000 000	CW	(AB/MPJ)
M12	16148	3-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	3-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	9167	4-8	0500	Sat	125 125 125 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB)
M12	10267	4-8	0520	Sat	125 125 125 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB)
M12	11567	4-8	0540	Sat	125 125 125 1 4083 51 4083 51 73445 39328 95537 ... 95924 89049 17846 000 000	CW	(AB)
M12	11469	4-8	2210	Sat	421 421 421 1 9038 133 9038 133 99298 ? 03743 98024 83769à94558 86612 76411 ? 29947 000 000	CW	(RL)
M12	10269	4-8	2230	Sat	421 421 421 1 9038 133 9038 133 99298 ? 03743 98024 83769à94558 86612 76411 ? 29947 000 000	CW	(RL)
M12	9169	4-8	2250	Sat	421 421 421 1 9038 133 9038 133 99298 ? 03743 98024 83769à94558 86612 76411 ? 29947 000 000	CW	(RL)
M12	15983	6-8	1400	Mon	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB/MPJ/HFD)
M12	14683	6-8	1420	Mon	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB/MPJ/HFD)
M12	13383	6-8	1440	Mon	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB/MPJ/HFD)
M12	8047	6-8	1800	Mon	463 463 463 1 6928 94 6928 94 16132 54430 92376 ... 68848 42613 32747 000 000	CW	(AB/MPJ)
M12	6802	6-8	1820	Mon	463 463 463 1 6928 94 6928 94 16132 54430 92376 ... 68848 42613 32747 000 000	CW	(AB/MPJ)
M12	5788	6-8	1840	Mon	463 463 463 1 6928 94 6928 94 16132 54430 92376 ... 68848 42613 32747 000 000	CW	(AB/MPJ)
M12	10343	6-8	1900	Mon	124 124 124 1 7055 109 7055 109 04560 25082 18073 ... 86458 40884 19734 000 000	CW	(AB/RL)

M12	9264	6-8	1920	Mon	124 124 124 1 7055 109 7055 109 04560 25082 18073 ... 86458 40884 19734 000 000	CW	(AB/RL)
M12	8116	6-8	1940	Mon	124 124 124 1 7055 109 7055 109 04560 25082 18073 ... 86458 40884 19734 000 000	CW	(AB/RL)
M12	12214	6-8	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	6-8	2130	Mon	209 209 209 000	CW	(RL)
M12	12193	7-8	0500	Tue	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/HFD)
M12	11093	7-8	0520	Tue	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/HFD)
M12	10293	7-8	0540	Tue	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/HFD)
M12	15983	8-8	1400	Wed	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB)
M12	14683	8-8	1420	Wed	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB/MPJ)
M12	13383	8-8	1440	Wed	963 963 963 1 6898 157 6898 157 18943 00743 23933 ... 57913 70465 28008 000 000	CW	(AB/MPJ)
M12	16148	8-8	1950	Wed	174 174 174 000	CW	(AB/RL/HFD)
M12	14748	8-8	2010	Wed	174 174 174 000	CW	(AB/RL/HFD)
M12	8123	8-8	2100	Wed	198 198 198 000	CW	(AB)
M12	6923	8-8	2120	Wed	198 198 198 000	CW	(AB)
M12	11469	8-8	2210	Wed	421 421 421 000	CW	(RL)
M12	10269	8-8	2230	Wed	421 421 421 000	CW	(RL)
M12	12193	9-8	0500	Thu	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/SDX)
M12	11093	9-8	0520	Thu	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/SDX)
M12	10293	9-8	0540	Thu	122 122 122 1 563 69 563 69 13346 65543 20952 ... 53063 51568 32699 000 000	CW	(AB-RUS/SDX)
M12	14377	9-8	1700	Thu	317 317 317 1 1341 109 1341 109 96109 89314 51335 ... 01646 93721 76314 000 000	CW	(AB/MPJ)
M12	13461	9-8	1720	Thu	317 317 317 1 1341 109 1341 109 96109 89314 51335 ... 01646 93721 76314 000 000	CW	(AB/MPJ)
M12	12114	9-8	1740	Thu	317 317 317 1 1341 109 1341 109 96109 89314 51335 ... 01646 93721 76314 000 000	CW	(AB/MPJ)
M12	10343	9-8	1900	Thu	124 124 124 1 3587 115 3587 115 42305 42683 83313 ... 66555 64940 17841 000 000	CW	(AB/MPJ)
M12	9264	9-8	1920	Thu	124 124 124 1 3587 115 3587 115 42305 42683 83313 ... 66555 64940 17841 000 000	CW	(AB/MPJ)
M12	8116	9-8	1940	Thu	124 124 124 1 3587 115 3587 115 42305 42683 83313 ... 66555 64940 17841 000 000	CW	(AB)
M12	12214	9-8	2110	Thu	209 209 209 000	CW	(AB)
M12	11014	9-8	2130	Thu	209 209 209 000	CW	(AB)
M12	16148	10-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	10-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	9167	11-8	0500	Sat	125 125 125 000	CW	(AB)
M12	10267	11-8	0520	Sat	125 125 125 000	CW	(AB)
M12	11469	11-8	2210	Sat	421 421 421 000	CW	(RL)
M12	10269	11-8	2230	Sat	421 421 421 000	CW	(RL)
M12	15983	13-8	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	13-8	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	8047	13-8	1800	Mon	463 463 463 1 8888 96 8888 96 95358 62498 37071 ... 25088 16188 74511 000 000	CW	(AB/MPJ)
M12	6802	13-8	1820	Mon	463 463 463 1 8888 96 8888 96 95358 62498 37071 ... 25088 16188 74511 000 000	CW	(AB/MPJ)
M12	5788	13-8	1840	Mon	463 463 463 1 8888 96 8888 96 95358 62498 37071 ... 25088 16188 74511 000 000	CW	(AB/MPJ)
M12	10343	13-8	2000	Mon	124 124 124 1 7440 104 7440 104 71482 35920 11816 ... 72022 53849 03371 000 000	CW	(AB)
M12	9264	13-8	2020	Mon	124 124 124 1 7440 104 7440 104 71482 35920 11816 ... 72022 53849 03371 000 000	CW	(AB)

M12	8116	13-8	2040	Mon	124 124 124 1 7440 104 7440 104 71482 35920 11816 ... 72022 53849 03371 000 000	CW	(AB)
M12	12214	13-8	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	13-8	2130	Mon	209 209 209 000	CW	(RL)
M12	12193	14-8	0500	Tue	122 122 122 000	CW	(AB-RUS/SDX)
M12	11093	14-8	0520	Tue	122 122 122 000	CW	(AB-RUS/SDX)
M12	15983	15-8	1400	Wed	963 963 963 000	CW	(AB/MPJ)
M12	14683	15-8	1420	Wed	963 963 963 000	CW	(AB/MPJ)
M12	16148	15-8	1950	Wed	174 174 174 000	CW	(Dan)
M12	14748	15-8	2010	Wed	174 174 174 000	CW	(RL)
M12	8123	15-8	2100	Wed	198 198 198 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB/RL)
M12	6923	15-8	2120	Wed	198 198 198 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB)
M12	5823	15-8	2140	Wed	198 198 198 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB)
M12	12193	16-8	0500	Thu	122 122 122 000	CW	(AB-RUS/Rizla/SDX)
M12	11093	16-8	0520	Thu	122 122 122 000	CW	(AB-RUS/SDX)
M12	14377	16-8	1700	Thu	317 317 317 1 2009 103 2009 103 76094 47568 36523 ... 71980 95616 02219 000 000	CW	(AB-HNG/MPJ-RUS)
M12	13461	16-8	1720	Thu	317 317 317 1 2009 103 2009 103 76094 47568 36523 ... 71980 95616 02219 000 000	CW	(AB-HNG/MPJ-RUS)
M12	12114	16-8	1740	Thu	317 317 317 1 2009 103 2009 103 76094 47568 36523 ... 71980 95616 02219 000 000	CW	(AB/MPJ-RUS)
M12	10343	16-8	1900	Thu	124 124 124 1 6869 115 6869 115 13065 89736 05311 ... 73840 19135 66131 000 000	CW	(AB/MPJ)
M12	9264	16-8	1920	Thu	124 124 124 1 6869 115 6869 115 13065 89736 05311 ... 73840 19135 66131 000 000	CW	(AB/MPJ)
M12	8116	16-8	1940	Thu	124 124 124 1 6869 115 6869 115 13065 89736 05311 ... 73840 19135 66131 000 000	CW	(AB/MPJ)
M12	12214	16-8	2110	Thu	209 209 209 000	CW	(AB/RL)
M12	11014	16-8	2130	Thu	209 209 209 000	CW	(AB)
M12	16148	17-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	17-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	9167	18-8	0500	Sat	125 125 125 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB/HFD)
M12	10267	18-8	0520	Sat	125 125 125 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB/HFD)
M12	11567	18-8	0520	Sat	125 125 125 1 563 67 563 67 24528 31737 37118 ... 76708 00758 16952 000 000	CW	(AB/HFD)
M12	15983	20-8	1400	Mon	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)
M12	14683	20-8	1420	Mon	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)
M12	13383	20-8	1440	Mon	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)
M12	8047	20-8	1800	Mon	463 463 463 1 7690 100 7690 100 77535 79267 24471 ... 69683 46496 47096 000 000	CW	(AB/MPJ)
M12	6802	20-8	1820	Mon	463 463 463 1 7690 100 7690 100 77535 79267 24471 ... 69683 46496 47096 000 000	CW	(AB/MPJ)
M12	5788	20-8	1840	Mon	463 463 463 1 7690 100 7690 100 77535 79267 24471 ... 69683 46496 47096 000 000	CW	(AB/MPJ)
M12	10343	20-8	2000	Mon	124 124 124 1 9837 107 9837 107 76653 33749 93136 ... 28737 27414 48063 000 000	CW	(AB)
M12	9264	20-8	2020	Mon	124 124 124 1 9837 107 9837 107 76653 33749 93136 ... 28737 27414 48063 000 000	CW	(AB)
M12	8116	20-8	2040	Mon	124 124 124 1 9837 107 9837 107 76653 33749 93136 ... 28737 27414 48063 000 000	CW	(AB)
M12	12214	20-8	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	20-8	2130	Mon	209 209 209 000	CW	(AB/RL)
M12	15983	22-8	1400	Wed	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)
M12	14683	22-8	1420	Wed	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)

M12	13383	22-8	1440	Wed	963 963 963 1 259 181 259 181 98955 73724 31114 ... 30901 33487 90464 000 000	CW	(AB/MPJ)
M12	16148	22-8	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	22-8	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	8123	22-8	2100	Wed	198 198 198 000	CW	(AB/RL)
M12	6923	22-8	2120	Wed	198 198 198 000	CW	(AB/RL)
M12	11469	22-8	2210	Wed	421 421 421 000	CW	(AB)
M12	10269	22-8	2230	Wed	421 421 421 000	CW	(AB)
M12	12193	23-8	0500	Thu	122 122 122 1 122 122 122 1 8078 57 8078 57 73732 49126 37682 ... 04484 68296 41629 000 000	CW	(AB-RUS/SDX)
M12	11093	23-8	0520	Thu	122 122 122 1 122 122 122 1 8078 57 8078 57 73732 49126 37682 ... 04484 68296 41629 000 000	CW	(AB-RUS/SDX)
M12	10293	23-8	0540	Thu	122 122 122 1 122 122 122 1 8078 57 8078 57 73732 49126 37682 ... 04484 68296 41629 000 000	CW	(AB-RUS/SDX)
M12	14377	23-8	1700	Thu	317 317 317 1 1348 101 1348 101 25382 15627 82237 ... 19994 64756 24208 000 000	CW	(AB/MPJ)
M12	13461	23-8	1720	Thu	317 317 317 1 1348 101 1348 101 25382 15627 82237 ... 19994 64756 24208 000 000	CW	(AB/MPJ)
M12	12114	23-8	1740	Thu	317 317 317 1 1348 101 1348 101 25382 15627 82237 ... 19994 64756 24208 000 000	CW	(AB/MPJ)
M12	10343	23-8	1900	Thu	124 124 124 1 4594 121 4594 121 67724 23114 06404 ... 76320 18434 31171 000 000	CW	(AB/MPJ)
M12	9264	23-8	1920	Thu	124 124 124 1 4594 121 4594 121 67724 23114 06404 ... 76320 18434 31171 000 000	CW	(AB/MPJ)
M12	8116	23-8	1940	Thu	124 124 124 1 4594 121 4594 121 67724 23114 06404 ... 76320 18434 31171 000 000	CW	(AB/MPJ)
M12	12214	23-8	2110	Thu	209 209 209 000	CW	(AB/RL)
M12	11014	23-8	2130	Thu	209 209 209 000	CW	(AB/RL)
M12	16148	24-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	24-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	9167	25-8	0500	Sat	125 125 125 000	CW	(AB)
M12	10267	25-8	0520	Sat	125 125 125 000	CW	(AB)
M12	15983	27-8	1400	Mon	963 963 963 000	CW	(MPJ)
M12	14683	27-8	1420	Mon	963 963 963 000	CW	(MPJ-RUS)
M12	8047	27-8	1800	Mon	463 463 463 1 7043 94 7043 94 46384 40190 49090 ... 93093 76673 85129 000 000	CW	(AB/MPJ)
M12	6802	27-8	1820	Mon	463 463 463 1 7043 94 7043 94 46384 40190 49090 ... 93093 76673 85129 000 000	CW	(AB/MPJ)
M12	5788	27-8	1840	Mon	463 463 463 1 7043 94 7043 94 46384 40190 49090 ... 93093 76673 85129 000 000	CW	(AB/MPJ)
M12	10343	27-8	2000	Mon	124 124 124 1 7268 110 7268 110 90786 47188 38211 96009 33458 37789 ... 000 000	CW	(AB)
M12	9264	27-8	2020	Mon	124 124 124 1 7268 110 7268 110 90786 47188 38211 96009 33458 37789 ... 000 000	CW	(AB)
M12	8116	27-8	2040	Mon	124 124 124 1 7268 110 7268 110 90786 47188 38211 96009 33458 37789 ... 000 000	CW	(AB)
M12	11093	28-8	0520	Tue	122 122 122 000	CW	(SDX)
M12	15983	29-8	1400	Wed	963 963 963 000	CW	(AB/MPJ)
M12	14683	29-8	1420	Wed	963 963 963 000	CW	(AB/MPJ)
M12	8123	29-8	2100	Wed	198 198 198 000	CW	(AB)
M12	6923	29-8	2120	Wed	198 198 198 000	CW	(AB)
M12	12193	30-8	0500	Thu	122 122 122 000	CW	(AB-RUS)
M12	11093	30-8	0520	Thu	122 122 122 000	CW	(AB-RUS)

M12	14377	30-8	1700	Thu	317 317 317 1 7420 108 7420 108 21220 07586 40082 ... 11746 14567 03374 000 000	CW	(AB/MPJ)
M12	13461	30-8	1720	Thu	317 317 317 1 7420 108 7420 108 21220 07586 40082 ... 11746 14567 03374 000 000	CW	(AB)
M12	12114	30-8	1740	Thu	317 317 317 1 7420 108 7420 108 21220 07586 40082 ... 11746 14567 03374 000 000	CW	(AB/MPJ)
M12	10343	30-8	1900	Thu	124 124 124 1 2262 125 2262 125 34820 75903 61567 ... 02826 15692 35127 000 000	CW	(AB/MPJ)
M12	9264	30-8	1920	Thu	124 124 124 1 2262 125 2262 125 34820 75903 61567 ... 02826 15692 35127 000 000	CW	(AB/MPJ)
M12	8116	30-8	1940	Thu	124 124 124 1 2262 125 2262 125 34820 75903 61567 ... 02826 15692 35127 000 000	CW	(AB)
M14	18041	1-8	0500	Wed	952 460 460 50 50 == 62281 34503 50062 ... 86238 91578 95634 == 460 460 50 50 00000	CW	(AB-J)
M14	18041	2-8	0500	Thu	952 173 173 55 55 == 51577 60738 70167 ... 02890 18354 88406 == 173 173 55 55 00000	CW	(AB-J)
M14	18041	3-8	0500	Fri	952 840 840 60 60 == 83657 61399 57367 ... 11402 48703 13004 == 840 840 60 60 00000	CW	(AB-J)
M14	7605	3-8	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	6876	3-8	2000	Fri	735 735 735 00000	MCW	(AB)
M14	5430	4-8	0800	Sat	171 737 737 53 53 46782 15711 80312 ... 737 737 53 53 00000	MCW	(AB-POL)
M14	5560	4-8	0900	Sat	171 737 737 53 53 46782 15711 80312 ... 737 737 53 53 00000	MCW	(AB-POL)
M14	18041	6-8	0500	Mon	952 167 167 50 50 == 88593 75009 08676 ... 56599 76272 30317 == 167 167 50 50 00000	CW	(AB-J)
M14	18041	7-8	0500	Tue	952 384 384 55 55 == 34388 31007 65736 ... 26409 74051 44765 == 384 384 55 55 00000	CW	(AB-J)
M14	6948	7-8	1600	Tue	725 725 725 00000	MCW	(AB/MPJ)
M14	18041	8-8	0500	Wed	952 176 176 50 50 == 66828 31192 37431 ... 26998 65518 21750 == 176 176 50 50 00000	CW	(AB-J)
M14	18041	9-8	0500	Thu	952 304 304 60 60 == 40537 60620 99675 ... 61064 52271 83989 == 304 304 60 60 00000	CW	(AB-J)
M14	18041	10-8	0500	Fri	952 817 817 60 60 == 22949 50243 13006 ... 69443 90574 89837 == 817 817 60 60 00000	CW	(AB-J)
M14	16347	10-8	0930	Fri	617 617 617 00000	CW	(AB)
M14	18041	13-8	0500	Mon	952 604 604 50 50 == 94127 92772 42639 ... 39093 73828 30905 == 604 604 50 50 00000	CW	(AB-J)
M14	18041	14-8	0500	Tue	Transmitter problems. Severe signal drops. 952 837 837 60 60 == 09676 75065 53090 ... 29495 20482 36985 == 837 837 60 60 00000	CW	(AB-J)
M14	6856	14-8	1819	Tue	163 006 20 12354 65780 54543 ... 54879 19832 76530 006 006 20 20 00000	MCW	(MPJ)
M14	18041	15-8	0500	Wed	952 164 164 50 50 == 44342 69010 13443 ... 60900 85917 10621 == 164 164 50 50 00000	CW	(AB-J)
M14	5938	15-8	1913	Wed	Test i.p. ...673 32909 67988 ...	MCW	(MPJ)
M14	5938	15-8	1920	Wed	417 006 006 20 20 12354 65780 54543 ... 54879 19837 76530 006 006 20 20 00000	MCW	(AB/MPJ)
M14	18041	16-8	0500	Thu	952 870 870 60 60 == 85525 67101 95913 ... 56041 35102 42736 == 870 870 60 60 00000	CW	(AB-J)
M14	18041	17-8	0500	Fri	952 14 134 55 55 == 55104 15948 33209 ... 84711 25068 29436 == 134 134 55 55 00000	CW	(AB-J)
M14	7605	17-8	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	6876	17-8	2000	Fri	735 735 735 00000	MCW	(AB)
M14	5430	18-8	0800	Sat	171 725 725 25 25 45323 09898 65423 ... 89346 01070 67812 725 725 25 25 00000	MCW	(AB-POL)
M14	5560	18-8	0900	Sat	171 725 725 25 25 45323 09898 65423 ... 89346 01070 67812 725 725 25 25 00000	MCW	(AB-POL)
M14	18041	20-8	0500	Mon	952 670 670 55 55 == 70788 00669 53103 ... 15912 93685 56257 == 670 670 55 55 00000	CW	(AB-J)
M14	6948	21-8	1603	Tue	725 725 725 00000	MCW	(MPJ)
M14	18041	22-8	0500	Wed	952 76 476 50 50 == 84783 46260 88907 ... 40870 22038 67247 == 476 476 50 50 00000	CW	(AB-J)
M14	18041	23-8	0500	Thu	952 803 803 60 60 == 92604 79315 52005 ... 04072 63783 33478 == 803 803 60 60 00000	CW	(AB-J)
M14	18041	24-8	0500	Fri	952 147 147 55 55 == 25477 99115 67033 ...16274 03182 04462 == 147 147 55 55 00000	CW	(AB-J)
M14	5430	25-8	0800	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB-POL)
M14	5560	25-8	0900	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB-POL)

M14	16347	25-8	0930	Sat	617 617 617 00000	CW	(AB)
M14	18041	27-8	0504	Mon	Late start 952 ... too poor to copy	CW	(AB-J)
M14	18041	28-8	0500	Tue	952 314 314 55 55 == 80962 83310 28968 ... 00901 22566 69443 == 314 314 55 55 00000	CW	(AB-J)
M14	6856	28-8	1820	Tue	163 001 001 51 51 12354 11225 76870 ... 55443 87902 54109 001 001 51 51 00000	MCW	(MPJ)
M14	18041	29-8	0500	Wed	952 ... barely audible	CW	(AB-J)
M14	5938	29-8	1924	Wed	i.p.	MCW	(AB)
M14	18041	30-8	0505	Thu	Late start. 952 130 130 60 60 == 81665 06125 23028 ... 28238 62113 58283 == 130 130 60 60 00000	CW	(AB-NZL)
M14	18041	31-8	0500	Fri	952 468 468 50 50 == 73371 47116 09180 ... 76823 28381 12766 == 468 468 50 50 00000	CW	(AB-NZL)
M21	4582	2-8	0823	Thu	=991123??0????? =991124??0????? =991125??0?????	CW	(F5JBR-J)
M21	4582	2-8	1037	Thu	XXX XXX 72779 WGIBOWEST 2693 1783 B.UTOCIRK 3326 4890 WAWILON-NIN 3472 9862 K =991340??0????? =991341??0?????	CW	(JPL-CHN)
M21	4601	2-8	1225	Thu	=01120085629226 =0113260161326 =0113260277828 =190010928	CW	(F5JBR-J)
M21	6440.5	3-8	0507	Fri	=13821169025806 =990807??0????? =990808??0????? =4382138214??00 =990809??0?????	CW	(F5JBR-J)
M21	6843.5	4-8	0540	Sat	=990840??0????? =990841??0????? =990842??0?????	CW	(F5JBR-J)
M21	4791	6-8	0535	Mon	=990840??0????? =990841??0????? =990842??0?????	CW	(F5JBR-J)
M21	6421	6-8	0656	Mon	=13279028049456 =23279902070727 =990957??8?????	CW	(F5JBR-J)
M21	7249	6-8	1022	Mon	=991328??0????? =18500994363923 =991529??0?????	CW	(F5JBR-J)
M21	3246.5	7-8	1750	Tue	=992057??0????? =992058??0????? =992059??0?????	CW	(F5JBR)
M21	4691.5	10-8	0540	Fri	=990845??0????? =990846??0?????	CW	(F5JBR)
M21	4635.5	10-8	0608	Fri	00970725225427120300906511600 009709253 957172060908511800 9700252257808 9701252206208 9704252204108 9702252202608 9703252252708	CW	(F5JBR)
M21	3247.5	10-8	1936	Fri	=992241??0????? =992242??0?????	CW	(F5JBR)
M21	5221.5	17-8	2047	Fri	=992353??0????? 6 minutes off	CW	(AB)
M21	5221.5	22-8	2037	Wed	=992337??0?????	CW	(AB)
M21	6421.5	25-8	1347	Sat	=991647??8????? =991648??8?????	CW	(F5JBR)
M21	6843.5	26-8	0718	Sun	=991019??0????? =991020??0?????	CW	(F5JBR)
M21	8457	26-8	0821	Sun	=99?1121?9????? =99?1123?9?????	CW	(F5JBR)
M21	4992.5	28-8	0648	Tue	=990948??0????? =990949??0?????	CW	(F5JBR-J)
M21	4385.5	28-8	1315	Tue	=99?1617?9????? =99?1618?9?????	CW	(F5JBR-J)
M21	4582	28-8	1319	Tue	=991619??0????? =991620??0?????	CW	(F5JBR-J)
M21	6440.5	29-8	0719	Wed	Russian Air Defence =991019??0????? =991020??0?????	CW	(F5JBR)
M32	9148.5	2-8	0955	Thu	i.p. DE 9GQ3 QTC K. S25X DE 9GQ3 QTC BT BT 212 33 2 1545 212 = 581 = 11111 32132 65414 21651 55525 ...	CW	(JPL-CHN)
M32	14411	2-8	1220	Thu	XXX XXX M7A2 M7A2 59053 30363 KARPOOeEH 3997 7365	CW	(JU)
M32	6183.5	6-8	1055	Mon	XXX 8S1Q 29100 ILXMOSEMA 18 ... MOSEUL 1657 3716 NIZOTOL 7681 8555 K	CW	(F5JBR)
M32	14411	6-8	1725	Mon	RDL RDL RDL 95389 76487 95389 76487 95389 76487 K	FSK CW	(AB)
M32	12158	22-8	0751	Wed	XXX XXX WEGI WEGI 56119 87180 96981 40322 20847 22393 MULOWRUN 9000 5904 GALUN 8219 8819	CW	(JU)
M32	12158	22-8	0756	Wed	XXX XXX WEGI WEGI 43589 60290 12007 OTBELXQICA 7189 3415	CW	(JU)

M32	14411	22-8	0808	Wed	XXX XXX WEGI WEGI 86391 96981 MULOWRUN 9000 5904 GALUN 8219 8819	CW	(JU)
M32	14411	22-8	0811	Wed	XXX XXX WEGI WEGI 10816 60290 OTBELXQICA 7189 3415	CW	(JU)
M32	14411	22-8	0837	Wed	XXX XXX VD9B VD9B 08963 99836 SOAe 7779 4434	CW	(JU)
M32	5911	25-8	0603	Sat	XXX 8S1Q ZAKROJNYJ 1514 K	CW	(F5JBR)
M32	14842	27-8	0919	Mon	XXX XXX WEGI WEGI 68068 GAWANA 61 66 7717 XXX XXX WEGI WEGI 68068 GAWANA 61 66 7717 K	CW	(AB)
M32	11116	29-8	1305	Wed	RDL RDL RDL 79722 63955 79722 63955 79722 63955 K	CW	(AB)
M32a	3719	1-8	1807	Wed	RJD93 DE RAG57 QSA ? QTC K RAG57 DE RJD93 QSA 1 QRV K RAG57 225 14 1 2100 225 =	CW	(JPL-Sib)
M32a	8345	2-8	0610	Thu	rit de rjp96 242 16 2 0907 242 = for rjh74 rjh45 = 02061 99700 10149 ...	CW	(WP3)
M32a	12464	2-8	1758	Thu	riw de rjs81 292 15 2 2100 292 = for rjh45 rje73 = 02181 99360 10154 ...	CW	(WP3)
M32a	3719	2-8	1800	Thu	RJY52 DE RJD93 QSA 3 QRV K. RJY25 81. . 2100 25 7 = FM R.... FOR RJ..5 R H48 RJZ.. =	CW	(JPL-J)
M32a	12464	2-8	1805	Thu	rcv de rmja 383 15 2 2101 383 = sml for rjh45 rje73 = 02181 99343 10344 ...	CW	(WP3)
M32a	3719	3-8	1800	Fri	VVV RJD93 DE RCQD QSA ? QTC K. RCQD DE RJD93 QSA 1 QRV K. RCQD 964 15 3 2100 964 = FM RCQD FOR RJE60 RJH44 RJH48 =	CW	(JPL-Sib)
M32a	3201	4-8	1450	Sat	RJU50 wkg RCC QTC SML FM RJU50 FOR RJH45/RJH/48/RJE30 = 04151 99493 11550 41/92 2403 10085 40065 57005 70022 8/// 22252 00// 2//// = AR RJU50 K	CW	(F5JBR-J)
M32a	12158	9-8	0812	Thu	RGT77: XXX XXX BNR1 BNR1 61351 STOMATIT 3944 9597	CW	(JU)
M32a	12158	9-8	0819	Thu	RGT77: XXX XXX BNR1 BNR1 42124 VMOTOChTYK 5645 3988 ZEMNOJ 8222 7186 TRUSLIWYJ 2239 8448	CW	(JU)
M32a	12158	9-8	0835	Thu	RGT77: XXX XXX SIJG SIJG 82547 SPORTSMENKA 7108 2246	CW	(JU)
M32a	12158	9-8	0838	Thu	RGT77: XXX XXX SIJG SIJG 34424 SLESARX 3280 3099 WODOOTDAOeA 3811 7044 STYDOLUeK 7598 9069	CW	(JU)
M32a	8113.5	23-8	1928	Thu	i.p. REO REO DE RMP RMP QTC 384 101 23 29554 =	CW	(AB)
M32a	3719	26-8	1759	Sun	DE RJY52 QSA ? QTC K. VVV RJD93 (Two stations sending at same time at 1800z)	CW	(JPL-J)
M32a	4979	29-8	1703	Wed	RHQ2 DE RAL2 QSA ? K. QSA 4 ZNN SK	CW	(JPL-Sib)
M32a	5054	30-8	1428	Thu	RJI20 QSA ? K. RJI20 374 25 30 1625 374 = FM RJI20 FOR RJS = 11111 52891 58007 17373 87335 ...	CW	(JPL-Sib)
M32b	8816	10-8	0914	Fri	rjf94 rjc38 de 54545 qto 0903 qrd XLMD XWSG qbd 0930 qre 1333 k	CW	(WP3)
M32b	12720	11-8	0548	Sat	VVV RJC48 RJC48 RJC48 DE RJF94 RJF9 4 QSA? K RJF94 RJF94 RJF94 DE RJC48 RJC48 QSA 3 K RJF94 RK VVV RCH84 RCH84 RCH84 DE RJF94 RJF94 QSA ? K	CW	(AB)
M32b	8816	19-8	1545	Sun	rjc38 rjf94 de 08128 rjc38 rjf94 de 08128 qto 1530 qrd XLMG XUOI qre 1900 qbd 0600 k	CW	(WP3)
M41	5037	6-8	1800	Mon	GPY1 GPY1 AR	CW	(F5JBR)
M41	5771.5	10-8	0911	Fri	VVV V6OD 7211194950125481411287203 1211 RPT 722194950150548141128720301211 V6OD AR	CW	(F5JBR)
M41	4317.5	10-8	1214	Fri	6BFA de 6B78 QXS AR 72219497292528093128710301511 ABV 72219497292528093128710301522 EEEE 1511 6B78 AR	CW	(F5JBR)
M42	14650	1-8	1127	Wed	Russian diplo. Also at 1130 UTC, After X06: 215346	3000Bd PSK-8	(Danix)
M42	15866	2-8	0635	Thu	Russian diplo/intel. i.p.	3000Bd 8PSK	(Danix)
M42	17517	2-8	0719	Thu	Russian diplo/intel. i.p.	3000Bd 8PSK	(Danix)
M42	12110	8-8	0736	Wed	Russian diplo/intel.	MFSK-66	(AB)

M42	6975	17-8	1019	Fri	Russian diplo/intel.	MFSK-66	(AB)
M42	12119	22-8	0735	Wed	Russian diplo/intel.	3000Bd PSK-8/MFSK-66	(AB)
M42b	7708	6-8	0511	Mon	MFJQ wkg YDEW. Opchat in CW, Msg in FSK	FSK 50/500	(F5JBR)
M42b	5857	6-8	0551	Mon	LXMT wkg L5XS. Opchat in CW. Msg in FSK	FSK 50/500	(F5JBR)
M42b	5090	6-8	1125	Mon	UCU wkg RDK. RDK DE UCU QSY 5810	CW	(F5JBR)
M42b	5810	6-8	1126	Mon	UCU wkg RDK. QSY 6434 QRU NIL SK	CW	(F5JBR)
M42b	6773	7-8	0930	Tue	YF1W i.p. QSY 25416	CW	(F5JBR)
M42b	6837	7-8	1316	Tue	ZE4K wkg P8RK	CW	(F5JBR)
M42b	6807	7-8	1323	Tue	ZE4K Wkg P8RK (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500	(F5JBR)
M42b	5846	8-8	0828	Wed	PULK wkg MUNO: QSY 22681	CW	(F5JBR)
M42b	5322	8-8	0838	Wed	PULK wkg MUNO: QSY 11248	CW	(F5JBR)
M42b	5322	8-8	0847	Wed	PULK wkg MUNO: QSY 10438	CW	(F5JBR)
M42b	6791	8-8	0934	Wed	LM7K wkg W9SP. Traffic in FSK, opchat in Morse: QRU NIL SK	CW	(F5JBR)
M42b	5299	8-8	1440	Wed	FANV de PSDG QSY 91058 K	CW	(F5JBR)
M42b	5933	27-8	0601	Mon	G5S7 wkg I9IL QSY 92397	CW	(F5JBR)
M42b	6817	27-8	0642	Mon	SK8I wkg G3WM. QSY 4011 kHz	CW	(F5JBR)
M42b	11052	27-8	0651	Mon	L16V wkg ILM1 QSY 83913	CW	(F5JBR)
M42b	5333	28-8	0926	Tue	ONPA wkg TWF6 QSY 49059 QSA NO SK SK	CW	(F5JBR-J)
M51a	6825	22-8	1133	Wed	VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by a lesson at 1205 UTC	CW	(AB)
M51a	6825	23-8	0830	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825KHZ VITESSE ANNONCEES LEGEREMENT SUPERIEURES. JEUDI-LECON 04-1/1 VITESSE 840 CODE = YETSR AUSHQ BWJSU ...	CW	(AB)
M51a	6825	23-8	1130	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825KHZ VITESSE ANNONCEES LEGEREMENT SUPERIEURES. JEUDI-LECON 04-1/1 VITESSE 840 CODE = YETSR AUSHQ BWJSU ...	CW	(AB)
M51a	6825	24-8	1130	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ VENDREDI-LECON 05-1/1 VITESSE 960 COD IF =	CW	(AB)
M51a	3881	25-8	0700	Sat	SAMEDI/DIMANCHE 4/LEÑON NO1/1 VITESSE 420 CODE and SAMEDI/DIMANCHE 4/LEÑON NO2/1 VITESSE 420 CLAIR //6825 kHz	CW	(AB)
M51a	6825	25-8	0700	Sat	SAMEDI/DIMANCHE 4/LEÑON NO1/1 VITESSE 420 CODE and SAMEDI/DIMANCHE 4/LEÑON NO2/1 VITESSE 420 CLAIR //3881 kHz	CW	(AB)
M51a	3881	25-8	0816	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ //6825 kHz	CW	(AB)
M51a	6825	25-8	0816	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ //3881 kHz	CW	(AB)
M51a	3881	25-8	0820	Sat	SAMEDI/DIMANCHE 3/LEÑON NO1/2 VITESSE 600 CODE and SAMEDI/DIMANCHE 3/LEÑON NO2/2 VITESSE 600 CLAIR //6825 kHz	CW	(AB)
M51a	6825	25-8	0820	Sat	SAMEDI/DIMANCHE 3/LEÑON NO1/2 VITESSE 600 CODE and SAMEDI/DIMANCHE 3/LEÑON NO2/2 VITESSE 600 CLAIR //3881 kHz	CW	(AB)
M89	3378	1-8	1125	Wed	V C4TY (x3) DE NHF5 (x2)	CW	(F5JBR-J)
M89	4870	1-8	1144	Wed	M8JF de RIS9 V	CW	(F5JBR-J)
M89	5801	1-8	1204	Wed	DKG6 de 3A7D V	CW	(F5JBR-J)
M89	3378	1-8	1638	Wed	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)

M89	4783	1-8	1638	Wed	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	3238	1-8	1640	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	1-8	1640	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4131	1-8	2047	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5305	2-8	0050	Thu	V C4TY (x3) DE NSF5 (x2) //10378	CW	(JPL)
M89	10378	2-8	0050	Thu	V C4TY (x3) DE NSF5 (x2) //5305	CW	(JPL)
M89	8980	2-8	0959	Thu	DP91 (x3) DE CQ (x2) V HR NIL SK GB (x9)	CW	(JPL)
M89	5305	2-8	1014	Thu	V C4TY (x3) DE NSF5 (x2) //10378	CW	(JPL)
M89	10378	2-8	1014	Thu	V C4TY (x3) DE NSF5 (x2) //5305	CW	(JPL)
M89	6874	2-8	1019	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	2-8	1019	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	6840	2-8	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	2-8	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	7620	2-8	1030	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	2-8	1030	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	6840	2-8	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	2-8	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	7620	2-8	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	2-8	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3378	2-8	1540	Thu	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	2-8	1540	Thu	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	4131	2-8	1848	Thu	V JKDJ (x3) DE SLBC (x2) `	CW	(JPL)
M89	3238	2-8	1852	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	2-8	1852	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	6874	4-8	0543	Sat	M8JF de RIS9 V	CW	(F5JBR-J)
M89	4620	4-8	1419	Sat	Q2M (x3) de NYZ (x2) VVV)	CW	(F5JBR-J)
M89	3659	6-8	1708	Mon	i.p. VVV CQ (x3) DE PGBD FFF O130/EX 0105 = UUJG AR	CW	(JPL)
M89	4131	6-8	1754	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	6-8	1803	Mon	JKDJ de SLBC V	CW	(F5JBR)
M89	5683	7-8	0719	Tue	i.p. 66DN 73A7 UN77 N546 U73D ... AR	CW	(JPL)
M89	6874	7-8	0727	Tue	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	7-8	0727	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5305	7-8	0736	Tue	i.p. TD5T 4ANA NDN4 3TT4 UU75 DT56 ...	CW	(JPL)
M89	4870	7-8	1213	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3378	7-8	1215	Tue	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	5177	7-8	1218	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3378	7-8	1221	Tue	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	7-8	1221	Tue	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	3850	10-8	1923	Fri	VVV Q2M (x3) de NYZ (x2)	CW	(F5JBR)
M89	3238	22-8	1547	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)

M89	4870	22-8	1547	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3378	22-8	1552	Wed	V JU7B (x3) DE 3FCX (x2) //4783 sending different roundslip	CW	(JPL)
M89	4783	22-8	1552	Wed	V C4TY (x3) DE NSF5 (x2) //3378 sending different roundslip	CW	(JPL)
M89	6874	23-8	0800	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	23-8	0800	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	6840	23-8	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent)//10640	CW	(JPL)
M89	10640	23-8	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent)//6840	CW	(JPL)
M89	11093	23-8	0840	Thu	VVV RISD (x3) DE QVMP (x3) BT YR NR 167G QSL TIME 1619 AR	CW	(JPL)
M89	4620	23-8	2120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent)//4860	CW	(JPL)
M89	4860	23-8	2120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent)//4620	CW	(JPL)
M89	3378	23-8	2129	Thu	V JU7B (x3) DE 3FCX (x2)	CW	(JPL)
M89	4720	23-8	2130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //5150	CW	(JPL)
M89	5150	23-8	2130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //4720	CW	(JPL)
M89	4870	23-8	2154	Thu	V M8JF (x3) DE RIS9 (x2) //6874 and 8157	CW	(JPL)
M89	6874	23-8	2154	Thu	V M8JF (x3) DE RIS9 (x2) //4870 and 8157	CW	(JPL)
M89	8157	23-8	2154	Thu	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
M89	4131	24-8	1456	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	24-8	1458	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	24-8	1458	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3378	24-8	1500	Fri	V JU7B (x3) DE 3FCX (x2)	CW	(JPL)
M89	3846	24-8	1508	Fri	i.p. 88 0824 2230 RMKS 9634 TO 6474 K. GA (Both stations on this freq) = 7N45 DNUT 7TD. ATA7 3D47 3TTA 4D37 ...	CW	(JPL)
M89	7589	25-8	1304	Sat	V ZJ4T (x3) de QB4S (x2)	CW	(F5JBR)
M89	4131	25-8	1420	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	25-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	25-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4943	25-8	1427	Sat	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	4943	25-8	1429	Sat	V ZJ4T (x3) de QB4S (x2)	CW	(F5JBR)
M89	4943	25-8	1429	Sat	V ZJ4T (x3) de QB4S (x2)	CW	(F5JBR)
M89	3238	25-8	1433	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	25-8	1433	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	7589	25-8	1435	Sat	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	4131	26-8	0022	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7620	26-8	0030	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	6874	26-8	0928	Sun	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	26-8	0928	Sun	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	9856	26-8	0934	Sun	V ZJ3T (x3) DE QB4S (x2)	CW	(JPL)
M89	4943	26-8	1245	Sun	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	26-8	1245	Sun	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3238	26-8	1251	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)

M89	4870	26-8	1251	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5220	26-8	1258	Sun	i.p. NR 0099 67 42 0822 0820 RMKS CQ CQ = U56A N763 54DN DN4A =	CW	(JPL)
M89	5241	26-8	1310	Sun	i.p. HR WK NR 40452916 K	CW	(JPL)
M89	3556	26-8	1618	Sun	XP3W wkg W4FT S1AR YK7X 2GUC F6CE GM3W MSG : NR 1097/EX 0040 = A6B1/K7D3 AR and FOR GM3W MSG NR 1098 CK61 46 0827 0030 = 5ND6 6D7A....	CW	(F5JBR-J)
M89	3556	26-8	1618	Sun	XP3W wkg W4FT S1AR YK7X 2GUC F6CE GM3W MSG : NR 1097/EX 0040 = A6B1/K7D3 AR	CW	(F5JBR)
M89	4943	26-8	1737	Sun	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	26-8	1737	Sun	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	4123	26-8	1740	Sun	i.p. R QSA 3 K. R IEC = 5661 AR K. R IEC = 3765 AR K	CW	(JPL)
M89	9526	27-8	0631	Mon	6DMR wkg 1YCU 9MGF FDL9 P2DY CDP5 MSG NR 8447 EX 1430 RMKS CQ = YSC7/U6R3 AR	CW	(F5JBR)
M89	12058	27-8	0647	Mon	V ZJ4T (x3) de QB4S (x2)) //9856 kHz	CW	(F5JBR)
M89	6874	27-8	0917	Mon	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	27-8	0917	Mon	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	9856	27-8	0919	Mon	V ZJ3T (x3) DE QB4S (x2) //12058	CW	(JPL)
M89	12058	27-8	0919	Mon	V ZJ3T (x3) DE QB4S (x2) //9856	CW	(JPL)
M89	5081	27-8	0957	Mon	i.p. R IEC = DNXE AR NR R R IEC = BBU (Both stations on this frequency)	CW	(JPL)
M89	4943	27-8	1411	Mon	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	27-8	1411	Mon	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3238	27-8	1413	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	27-8	1413	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4088	28-8	0135	Tue	HH6T wkg KNVB. MSG NR 4442 CK32 24 08 28 2200 RMKS 1291 TO 9081 K	CW	(F5JBR-J)
M89	3556	28-8	1258	Tue	XP3W wkg W4FT S1AR YK7X 2GUC F6CE GM3W IOS3	CW	(F5JBR-J)
M89	3797	28-8	1401	Tue	XSE3 wkg 3AMX. MSG NR 0545 EX 22 03 RMKS 4488 TO 4368 = KSU1AWQ1 AR	CW	(F5JBR-J)
M89	3238	28-8	1441	Tue	M8JF de RIS9 V //4870 kHz	CW	(F5JBR-J)
M89	4943	28-8	1447	Tue	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	28-8	1447	Tue	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3456	28-8	1453	Tue	i.p. FFF NR 1005/EX 1612 = Q3A5/Q6R1C AR QSY HW LW FFF NR 1006/EX 1615 = J3H8/5X2J AR QSX 04	CW	(JPL)
M89	4714	28-8	1831	Tue	6DMR wkg P2DY CDJ5 9XUP FYL9	CW	(F5JBR-J)
M89	4661	28-8	1839	Tue	XKF5 wkg 8NJL K3DT D3JM 3DSL 4ZDJ VX4S H4ME. HR NR 1521 /EX 0240 RMKS CQ = A2N8/B1M3 AR	CW	(F5JBR-J)
M89	3238	28-8	1840	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	28-8	1840	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3708	28-8	1851	Tue	6DMR wkg P2DY CDJ5 9XUP FYL9	CW	(F5JBR-J)
M89	5733	29-8	1000	Wed	3SEM wkg VG4S: QSY 34 QSY 36	CW	(F5JBR-J)
M89	5743	29-8	1004	Wed	3SEM wkg VG4S: QSY 36 HR MSG NR 0155 CK 41 04 08 29 1750 = AU4SD D3AU ...	CW	(F5JBR-J)
M89	4943	29-8	1111	Wed	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	5220	29-8	1111	Wed	i.p. CK 66 75 0829 2100 RMKS 11580 1788 K K .2DA 45NU TU3. ... AR K	CW	(JPL)
M89	7589	29-8	1111	Wed	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3238	29-8	1113	Wed	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)

M89	4870	29-8	1113	Wed	V M8JF (x3) DE RIS9 (x2) //3238 and 6874	CW	(JPL)
M89	6874	29-8	1113	Wed	V M8JF (x3) DE RIS9 (x2) //3238 and 4870	CW	(JPL)
M89	3830	29-8	1208	Wed	VJRZ VJRZ AR HR NR1156 EX 2009 = Y5Z8/N1K4 AR QSY 29 QSY 29 VVV	CW	(F5JBR-J)
M89	3776	29-8	1210	Wed	NET Station wkg outstations: 1325/EX 2009 = M8/N7 NR 1325 2009 = M8/N7 QSY 04	CW	(F5JBR-J)
M89	3712	29-8	1212	Wed	4TRT wkg outstaions: 4TRT AR NR0168/EX 2011= D6FE/G63Z AR QSY 03 QSY 03 VVV	CW	(F5JBR-J)
M89	3751	29-8	1215	Wed	GHX1 wkg outstations: GHX1 AR 057/EX 2015 = B6C8/A9S3 AR NR 1057/EX 2015 = PZ8F/6DVR AR QSY 11 VVV	CW	(F5JBR-J)
M89	3866	29-8	1218	Wed	NET Station wkg outstations: NR 4036/EX 2015 = NYU4/BQ3A AR QSY QSY 16 VVV	CW	(F5JBR-J)
M89	3810	29-8	1219	Wed	2SRQ wkg outstations: 2SRQ AR NR 41/EX 2021 = BA3C/QR13 AR	CW	(F5JBR-J)
M89	3747	29-8	1225	Wed	PQK6 wkg outstations: PQK6 AR NR 1649/EX 2024 = W0P7/T8C5 AR and QSY 36	CW	(F5JBR-J)
M89	3751	29-8	1227	Wed	NET Station wkg outstations: AR NR 1061/EX 2027 = 2QL4/WM78 AR SK SK	CW	(F5JBR-J)
M89	4943	29-8	1554	Wed	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	29-8	1554	Wed	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3238	29-8	1557	Wed	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
M89	4870	29-8	1557	Wed	V M8JF (x3) DE RIS9 (x2) //3238 and 6874	CW	(JPL)
M89	6874	29-8	1557	Wed	V M8JF (x3) DE RIS9 (x2) //3238 and 4870	CW	(JPL)
M89	4078	29-8	1601	Wed	VVV EVAL FF 05 FF NR 2081/EX 0000 = E5XB/C3Q8 AR NR 2081/EX 0000 = E5XB/C3Q8 AR QSY 03 QSY 03 VV	CW	(JPL)
M89	3611	29-8	1604	Wed	U8SD FFF NR 7012/EX 0003 = 4SNT/XZXG AR FFF NR 7022/EX 0003 = 4HNT/XZ.G AR	CW	(JPL)
M89	3810	29-8	1608	Wed	i.p. /RTJK AR MY NR 04 QSY NR 04 QSY NR 04	CW	(JPL)
M89	3844	29-8	1609	Wed	i.p. NR 1044/EX 0009 = 3I.L/V8KN AR FFF NR 1044/EX 0009 = 3IML/V8KN AR	CW	(JPL)
M89	3611	29-8	1612	Wed	U8SD IF EEEE FFFF NR 7015/EX 0012 = BKNJ/X2QD AR FFF NR 7015/EX 0012 = BKNJ/X2QD AR	CW	(JPL)
M89	3844	29-8	1616	Wed	i.p. FFF NR 1046/EX 0015 = FFF NR 1046/EX 0015 = GSN8/QTM6 AR QSY 14 QSY 14	CW	(JPL)
M89	3866	29-8	1616	Wed	i.p. QSY 02 VVV	CW	(JPL)
M89	4349	29-8	1618	Wed	i.p. O4B FFF NR 1081/EX 0018 = Y3Z2/B7C8 AR FFF NR 1081/EX 0018 = Y3Z2/B7C8 AR	CW	(JPL)
M89	5146	29-8	1623	Wed	i.p. FF NR 1086/EX 2418 = JSKN/R6YB AR VVV FF NR 1086/EX 1418 = JSKN/R6YB AR	CW	(JPL)
M89	5016	29-8	1625	Wed	i.p. 4 = S9.0/QJH2 AR FFF NR 1083/3X 0024 = S.0/QJH2 AR QSY 2. QSY 25 VVV	CW	(JPL)
M89	5501	29-8	1627	Wed	F29D FFF NR 1485/EX 0027 = B2A8/NBYJC NR 1485/EX 0027 = B2A8/N6YJ AR	CW	(JPL)
M89	3844	29-8	1632	Wed	VVV CLJ5 DE MFM1 K AS AS VVV 9QTS DE MFM1 K VVV XVG3 DE MFM1 K	CW	(JPL)
M89	3675	29-8	1644	Wed	i.p. VV 5ZPY K K VV XD9U K K VV 3WLK K K VV 7DSL K K R 22W = 77? 744U RPT 02W = 744U 744U AR K	CW	(JPL)
M89	3715	29-8	1655	Wed	i.p. AS R R QSL ? K VV 6FG. VV WG.9 DE QH7 K VV 9BTR DE HIR. K	CW	(JPL)
M89	5032	29-8	1704	Wed	i.p. R OK GA K R 7G NR 3213 CK 74 35 0830 RMKS .031296 TO 7031291 K	CW	(JPL)
M89	4537	29-8	1708	Wed	i.p. N3DU NU56 AR K R RPT 24W = A... AR K R U 7G GA K	CW	(JPL)
M89	4106	29-8	1710	Wed	i.p. TO 4219 K R 01W = N5A7 3T7T UND3 66A3 ...	CW	(JPL)
M89	3556	29-8	1712	Wed	i.p. MSG NR 1489 CK 61 49 0830 0100 RMKS 7031292 TO 7031290 = 4AND 3IA4 U7T5 ...	CW	(JPL)
M89	3971	29-8	1712	Wed	i.p. R U MSG GA R GA K R GA K	CW	(JPL)
M89	3578	29-8	1718	Wed	i.p. 01W GA BT DUDD ATD7 T576 NUT7 34N5 ...	CW	(JPL)
M89	3631	29-8	1719	Wed	i.p. 76A5 6375 TD43 ADUT T6UA ...	CW	(JPL)

M89	4131	30-8	1420	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	30-8	1425	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	30-8	1425	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4943	30-8	1426	Thu	V ZJ3T (x3) DE QB4S (x2) //7589	CW	(JPL)
M89	7589	30-8	1426	Thu	V ZJ3T (x3) DE QB4S (x2) //4943	CW	(JPL)
M89	3238	30-8	1618	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	30-8	1618	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4078	30-8	1620	Thu	i.p. BVF3/FJAB1 AR QSY 15 QSY 15	CW	(JPL)
M89	3570	30-8	1622	Thu	i.p. DMYX/HF72 AR NR 1180/EX 0027 = DMY4/HF72 AR	CW	(JPL)
M89	3611	30-8	1622	Thu	U8SD FFF NR 7079/EX 0024 = FQ4E/WR3T AR	CW	(JPL)
M89	3631	30-8	1635	Thu	i.p. V K7X/FA8R K. R IEC = RD/SQ K. R 2BUC/E5MP K. R IEC = TQXD K	CW	(JPL)
M89	3343	30-8	1710	Thu	i.p. RPT K. R GA K. R MSG NR 3114 CK 41 94 0831 0100 =	CW	(JPL)
M89	3348	30-8	1728	Thu	i.p. 1 CK 41 0831 0100 RMKS 8119 TO 4229 K K	CW	(JPL)
M89	4131	30-8	2152	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4388	30-8	2209	Thu	i.p. 50 RMKS 0818 TO 0434 K. RRR OK 1W = 337U NA35 UTTU U5D5 TD76 TA4A ...	CW	(JPL)
M89	4367	31-8	0809	Fri	i.p. FFF NR 156/EX 1609 = T8JD/BC1J NR 156/EX 1609 =	CW	(JPL)
M89	4336	31-8	0811	Fri	i.p. 1612 = OPC6/MEN7 AR QSY OLD QSY OLD QSY OLD QSY OLD	CW	(JPL)
M89	4011	31-8	0817	Fri	i.p. /GU7Y AR QSY 03 QSY 03 QSY 03	CW	(JPL)
M89	5375	31-8	0817	Fri	i.p. /EX 1618 = 5FMW/HDA3 AR FFF NR ...7/EX 1618 = 5FMW/HDA3 QSY 25 QSY 25 VVV	CW	(JPL)
M89	4336	31-8	0822	Fri	i.p. BCU7/TID8 FFF NR 1284/EX 1627 = BCU7/TID8 FFF NR 1284/EX 1627 = BCU7/TID8 AR KP KP	CW	(JPL)
M89	3828	31-8	1303	Fri	i.p. 3545 TD6U A7TA A6TN 77AD T4UU ... AR	CW	(JPL)
M89	3863	31-8	1313	Fri	i.p. QSY 04 VV EVF7 DE G1NF QSY 03 K. VV EVF7 DE G1NF K	CW	(JPL)
M89	3592	31-8	1408	Fri	i.p. AR RPT 12 = U47T U47T AR K. RPT 29 = 5535 AR K R R	CW	(JPL)
M89	4045	31-8	1414	Fri	i.p. R RPT 14W TO 15W = = AD77 6353 AR K. R RPT 35W = = 3ATA 3ATA AR K R R	CW	(JPL)
M89a	3343	30-8	1710	Thu	Voice traffic. Male operator	USB	(JPL)
M95	4974	1-8	1230	Wed	6FUG wkg WE4W YEH3 KCD3 MESSAGE NR 84/EX RMKS CQ = WU4/LJ3 AR	CW	(F5JBR-J)
M95	3642	1-8	1550	Wed	DKG6 de 3A7D V	CW	(F5JBR-J)
M95	3378	1-8	1554	Wed	V C4TY (x3) DE NSF5 (x2) //4783 kHz	CW	(F5JBR-J)
M95	4783	1-8	1554	Wed	V C4TY (x3) DE NSF5 (x2) //3378 kHz	CW	(F5JBR-J)
M95	3642	1-8	1637	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-8	1637	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	2-8	1138	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 0655 CK 47 35 0802 1609 = TTD N5U TTU N53 TAD N54 ... //8073	CW	(JPL)
M95	8073	2-8	1138	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 0655 CK 47 35 0802 1609 = TTD N5U TTU N53 TAD N54 ... //4364	CW	(JPL)
M95	4243	2-8	1148	Thu	VV HR MSG TO YR PSE CY NR 083 CK 19 35 0802 1605 = 5TD UTT .TU 3U6 3A4 35U 4TA N.N 4T7 U7U N4A ... //9054	CW	(JPL)
M95	9054	2-8	1148	Thu	VV HR MSG TO YR PSE CY NR 083 CK 19 35 0802 1605 = 5TD UTT .TU 3U6 3A4 35U 4TA N.N 4T7 U7U N4A ... //4243	CW	(JPL)

M95	3642	2-8	1846	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	2-8	1846	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4847	4-8	1201	Sat	SS82 wkg DFUF XCH9 SS5J S7UP: QSO HR MSG 12/EX 2004 RMKS CQ = QYS4/ZFG AR	CW	(F5JBR-J)
M95	4974	5-8	1133	Sun	YEU3 wkg MFVB CJ5L UT3K WEVN KCD3 DRG8: WK NR 315 QSL ? VVV NR 87/EX 1950 RMKS CQ = 53KP/CCBY AR K	CW	(F5JBR-J)
M95	4754	5-8	1201	Sun	SS87 wkg KLMY S7UP DFUF XCH9 SS5J: HR MSG 12/EX 2004 RMKS CQ = QYS4/ZFG AR	CW	(F5JBR-J)
M95	3642	6-8	1753	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	6-8	1753	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	7-8	0711	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	7-8	1142	Tue	V BNGC (x3) DE XSV85 (x2) NR 0675 CK 3.. 35 0807 1631 = ..3. 3A... //8073	CW	(JPL)
M95	8073	7-8	1142	Tue	V BNGC (x3) DE XSV85 (x2) NR 0675 CK 3.. 35 0807 1631 = ..3. 3A... //4364	CW	(JPL)
M95	4243	7-8	1144	Sat	VV HR 7G TO YR PSE CY NR 093 CK 18 35 0807 1508 = 5TD UTT TT7 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	7-8	1144	Sat	VV HR 7G TO YR PSE CY NR 093 CK 18 35 0807 1508 = 5TD UTT TT7 3U6 3A4 ... //4243	CW	(JPL)
M95	5801	7-8	1217	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	22-8	1539	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	22-8	1539	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	23-8	2155	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-8	2155	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	24-8	1454	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	24-8	1454	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	25-8	1601	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	25-8	1601	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4283	26-8	0926	Sun	i.p. MSG AGN NR 810 CK 151 35 0826 15.5 ... ZNN SK //7553	CW	(JPL)
M95	5801	26-8	0926	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	7553	26-8	0926	Sun	i.p. MSG AGN NR 810 CK 151 35 0826 15.5 ... ZNN SK //4283	CW	(JPL)
M95	10180	26-8	0926	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	26-8	1242	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	26-8	1242	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4243	27-8	0931	Mon	33U4 A75T 464 ... AR HR MSG GA NR 54 CK 142 35 0827 1709 = UTU TU7 3U6 3A4 TTU ... A HR UP SB WK //7345	CW	(JPL)
M95	7345	27-8	0931	Mon	33U4 A75T 464 ... AR HR MSG GA NR 54 CK 142 35 0827 1709 = UTU TU7 3U6 3A4 TTU ... A HR UP SB WK //4243	CW	(JPL)
M95	5801	27-8	1406	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	28-8	1444	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-8	1444	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	29-8	1108	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	29-8	1108	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	29-8	1551	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	29-8	1551	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	30-8	1413	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)

M95	10180	30-8	1413	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	30-8	2151	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	31-8	0757	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
MX	16332.2	2-8	0824	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	10872.2	2-8	0840	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	10872.4	2-8	0840	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	13528.2	2-8	0840	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	13528.4	2-8	0840	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	5154.4	2-8	0842	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	7039.2	2-8	0842	Thu	Beacon F, Vladivostok	CW	(AB-RUS)
MX	7039.4	2-8	0842	Thu	Beacon M, Magadan	CW	(AB-RUS)
MX	16332.3	8-8	0558	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-RUS)
MX	16332.4	8-8	0558	Wed	Beacon M, Magadan	CW	(AB-RUS)
MX	16332.1	9-8	0555	Thu	Beacon A, Astrakhan	CW	(AB-J)
MX	16332.2	9-8	0555	Thu	Beacon F, Vladivostok	CW	(AB-J)
MX	13528.2	9-8	0556	Thu	Beacon F, Vladivostok	CW	(AB-J)
MX	13528.4	9-8	0556	Thu	Beacon M, Magadan	CW	(AB-J)
MX	10872.4	9-8	0557	Thu	Beacon M, Magadan	CW	(AB-J)
MX	8495.4	9-8	0558	Thu	Beacon M, Magadan	CW	(AB-J)
MX	7038.2	9-8	0559	Thu	Beacon F, Vladivostok	CW	(AB-J)
MX	7038.4	9-8	0559	Thu	Beacon M, Magadan	CW	(AB-J)
MX	10871.7	9-8	1348	Thu	Beacon D, Sevoromorsk	CW	(AB)
MX	10871.9	9-8	1348	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	10872.1	9-8	1348	Thu	Beacon A, Astrakhan	CW	(AB)
MX	16331.7	9-8	1348	Thu	Beacon D, Sevoromorsk	CW	(AB)
MX	16331.9	9-8	1348	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	16332	9-8	1348	Thu	Beacon C, Moscow	CW	(AB)
MX	16332.1	9-8	1348	Thu	Beacon A, Astrakhan	CW	(AB)
MX	13517.7	9-8	1349	Thu	Beacon D, Sevoromorsk	CW	(AB)
MX	13528	9-8	1349	Thu	Beacon C, Moscow	CW	(AB)
MX	5153.7	20-8	1926	Mon	Beacon D, Sevastopol	CW	(MPJ)
MX	4028	26-8	1745	Sun	Beacon V, Khiva	CW	(DK8OK)
MX	5094	26-8	1751	Sun	Beacon V, Khiva	CW	(DK8OK)
MX	5153.7	26-8	1954	Sun	Beacon D, Sevastopol	CW	(DK8OK)
MX	5154.1	26-8	1955	Sun	Beacon A, Astrakhan	CW	(DK8OK)
MX	16332.2	29-8	0555	Wed	Beacon F, Vladivostok	CW	(AB-RUS)
MX	16332.4	29-8	0555	Wed	Beacon M, Magadan	CW	(AB-RUS)
P03a	11107	1-8	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	11107	1-8	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	1-8	1435	Wed	Polish Intel.	BPSK-63	(AB)

P03a	7840	1-8	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	1-8	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	1-8	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	1-8	1600	Wed	Polish Intel.	BPSK-63	(AB-POL)
P03a	16125	1-8	1605	Wed	Polish Intel.	BPSK-63	(AB-POL)
P03a	16357	2-8	1415	Thu	Polish Intel.	BPSK-63	(AB)
P03a	16357	2-8	1420	Thu	Polish Intel.	BPSK-63	(AB)
P03a	14769	3-8	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14769	3-8	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	3-8	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	3-8	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	3-8	1635	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	17504	3-8	1640	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14940	4-8	1140	Sat	Polish Intel.	BPSK-63	(AB)
P03a	14940	4-8	1145	Sat	Polish Intel.	BPSK-63	(AB)
P03a	11107	4-8	1225	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	11107	4-8	1230	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	7840	4-8	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	4-8	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	4-8	1500	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	4-8	1505	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	5-8	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	5-8	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	5-8	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	5-8	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	5-8	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	5-8	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	5-8	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	5-8	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	6-8	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	6-8	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	6-8	1635	Mon	Polish Intel.	BPSK-63	(MPJ)
P03a	17504	6-8	1640	Mon	Polish Intel.	BPSK-63	(MPJ)
P03a	14940	7-8	1140	Tue	Polish Intel.	BPSK-63	(AB)
P03a	14940	7-8	1145	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	7-8	1415	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	7-8	1420	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	7-8	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	7-8	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	11107	8-8	1225	Wed	Polish Intel.	BPSK-63	(AB)

P03a	11107	8-8	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	8-8	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	8-8	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	8-8	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	8-8	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	8-8	1600	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	8-8	1605	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	9-8	1415	Thu	Polish Intel.	BPSK-63	(AB-AUT)
P03a	16357	9-8	1420	Thu	Polish Intel.	BPSK-63	(AB-AUT)
P03a	14769	10-8	1440	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14769	10-8	1445	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	9130	10-8	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	10-8	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	10-8	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	10-8	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14940	11-8	1140	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14940	11-8	1145	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	11107	11-8	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	11107	11-8	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	11-8	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	11-8	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	12-8	1410	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	12385	12-8	1415	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14769	12-8	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	12-8	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	12-8	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	12-8	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	12-8	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	12-8	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	13-8	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	13-8	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	13-8	1635	Mon	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	17504	13-8	1640	Mon	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14940	14-8	1140	Tue	Polish Intel.	BPSK-63	(AB)
P03a	14940	14-8	1145	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	14-8	1415	Tue	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	16357	14-8	1420	Tue	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	4840	14-8	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	14-8	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	11107	15-8	1225	Wed	Polish Intel.	BPSK-63	(AB)

P03a	11107	15-8	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	15-8	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	15-8	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	15-8	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	15-8	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	15-8	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	15-8	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	15-8	1600	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	15-8	1605	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	16-8	1415	Thu	Polish Intel.	BPSK-63	(AB)
P03a	16357	16-8	1420	Thu	Polish Intel.	BPSK-63	(AB)
P03a	14769	17-8	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14769	17-8	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	17-8	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	17-8	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	17-8	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	17-8	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11107	18-8	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	11107	18-8	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	18-8	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	18-8	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	18-8	1500	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	18-8	1505	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16125	18-8	1600	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16125	18-8	1605	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	19-8	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	19-8	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	19-8	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	19-8	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	19-8	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	19-8	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	19-8	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	19-8	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	20-8	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	20-8	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	20-8	1635	Mon	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	17504	20-8	1640	Mon	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14940	21-8	1140	Tue	Polish Intel.	BPSK-63	(AB)
P03a	14940	21-8	1145	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	21-8	1415	Tue	Polish Intel.	BPSK-63	(AB)

P03a	16357	21-8	1420	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	21-8	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	21-8	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	11107	22-8	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	11107	22-8	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	22-8	1600	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16125	22-8	1605	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	23-8	1415	Thu	Polish Intel.	BPSK-63	(AB)
P03a	16357	23-8	1420	Thu	Polish Intel.	BPSK-63	(AB)
P03a	14769	24-8	1440	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14769	24-8	1445	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	17504	24-8	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	24-8	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14940	25-8	1140	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14940	25-8	1145	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	11107	25-8	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	11107	25-8	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	25-8	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	25-8	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	25-8	1500	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16357	25-8	1505	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16125	25-8	1600	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16125	25-8	1605	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	26-8	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	26-8	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	26-8	1440	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	14769	26-8	1445	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	9130	26-8	1500	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	9130	26-8	1505	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	4840	26-8	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	26-8	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	27-8	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	27-8	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	27-8	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	27-8	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	14940	28-8	1140	Tue	Polish Intel.	BPSK-63	(AB)
P03a	14940	28-8	1145	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	28-8	1415	Tue	Polish Intel.	BPSK-63	(AB)
P03a	16357	28-8	1420	Tue	Polish Intel.	BPSK-63	(AB)
P03a	11107	29-8	1225	Wed	Polish Intel.	BPSK-63	(AB)

P03a	11107	29-8	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	29-8	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	29-8	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	29-8	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	29-8	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	16357	30-8	1415	Thu	Polish Intel.	BPSK-63	(AB)
P03a	16357	30-8	1420	Thu	Polish Intel.	BPSK-63	(AB)
P03a	9130	31-8	1500	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	9130	31-8	1505	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
P03a	17504	31-8	1635	Fri	Polish Intel.	BPSK-63	(AB-AUT)
P03a	17504	31-8	1640	Fri	Polish Intel.	BPSK-63	(AB-AUT)
P03b	15800	1-8	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	1-8	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	1-8	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	1-8	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	3-8	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	3-8	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	9150	4-8	0610	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	4-8	0615	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	5-8	0610	Sun	Polish Intel.	QPSK-63	(AB)
P03b	9150	5-8	0615	Sun	Polish Intel.	QPSK-63	(AB)
P03b	15800	5-8	1120	Sun	Polish Intel.	QPSK-63	(MPJ)
P03b	15800	5-8	1125	Sun	Polish Intel.	QPSK-63	(MPJ)
P03b	15800	8-8	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	8-8	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	8-8	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	8-8	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	10-8	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	10-8	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	9150	11-8	0610	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	11-8	0615	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	12-8	0610	Sun	Polish Intel.	QPSK-63	(AB)
P03b	9150	12-8	0615	Sun	Polish Intel.	QPSK-63	(AB)
P03b	15800	12-8	1120	Sun	Polish Intel.	QPSK-63	(MPJ)
P03b	15800	12-8	1125	Sun	Polish Intel.	QPSK-63	(MPJ)
P03b	15800	15-8	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	15-8	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	15-8	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	15-8	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	17-8	2035	Fri	Polish Intel.	QPSK-63	(AB)

P03b	5231	17-8	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	9150	18-8	0610	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	18-8	0615	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	19-8	0610	Sun	Polish Intel.	QPSK-63	(AB)
P03b	9150	19-8	0615	Sun	Polish Intel.	QPSK-63	(AB)
P03b	15800	22-8	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	22-8	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	22-8	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	22-8	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	24-8	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	24-8	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	9150	25-8	0610	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	25-8	0615	Sat	Polish Intel.	QPSK-63	(AB)
P03b	9150	26-8	0610	Sun	Polish Intel.	QPSK-63	(AB)
P03b	9150	26-8	0615	Sun	Polish Intel.	QPSK-63	(AB)
P03b	15800	29-8	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	29-8	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	29-8	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	29-8	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	31-8	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	31-8	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	17410	3-8	0725	Fri	Polish Intel.	MFSK-4	(Danix)
POL	17410	3-8	0730	Fri	Polish Intel.	MFSK-4	(Danix)
POL	10210	13-8	1000	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	13-8	1005	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	20-8	1000	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	20-8	1005	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	23-8	1000	Thu	Polish Intel.	FSK 400/800	(AB)
POL	10210	23-8	1005	Thu	Polish Intel.	FSK 400/800	(AB)
POL	10210	27-8	1000	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	27-8	1005	Mon	Polish Intel.	FSK 400/800	(AB)
POL	10210	30-8	1000	Thu	Polish Intel.	FSK 400/800	(AB)
POL	10210	30-8	1005	Thu	Polish Intel.	FSK 400/800	(AB)
Q26	4364	2-8	1132	Thu	Messages //8073 M95 CW (JPL)	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	2-8	1132	Thu	Messages //4364 M95 CW (JPL)	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	2-8	1143	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	2-8	1143	Thu	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	7-8	1143	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	7-8	1143	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
RADv	4650	5-8	1144	Sun	Tracking (Russian voice)	LSB	(F5JBR-J)

RMv	4405	10-8	0530	Fri	FUGAS-51 clg KADIT-15, FAKEL-45 (comms checks)	USB	(F5JBR)
S06	16327	2-8	0830	Thu	842 560 31 71670 21653 26488 ... 51873 49418 17120 560 31 00000	USB	(AB-RUS)
S06	16327	2-8	0830	Thu	842 560 31 71670 via GT Hong	USB	(HFD-HK)
S06	13875	2-8	0930	Thu	842 via GT Hongkong	USB	(HFD-HK)
S06	13875	2-8	0930	Thu	842 560 31 71670 21653 26488 ... 51873 49418 17120 560 31 00000	USB	(AB-RUS)
S06	16327	3-8	0830	Fri	842 560 31 71670 21653 26488 ... 51873 49418 17120 560 31 00000	USB	(AB-RUS)
S06	13875	3-8	0930	Fri	842 560 31 71670 21653 26488 ... 51873 49418 17120 560 31 00000	USB	(AB-RUS)
S06	9492	3-8	1900	Fri	483 483 483 00000	USB	(AB/MPJ)
S06	7528	3-8	2000	Fri	483 483 483 00000	USB	(AB)
S06	6773	4-8	1900	Sat	263 263 263 00000	USB	(AB/MPJ)
S06	5773	4-8	2000	Sat	263 263 263 00000	USB	(AB)
S06	16327	9-8	0830	Thu	842 917 38 49474 23229 44467 ... 13946 57047 88786 917 38 00000	USB	(AB-CHN)
S06	13875	9-8	0930	Thu	842 917 38 49474 23229 44467 ... 13946 57047 88786 917 38 00000	USB	(AB-RUS)
S06	16327	10-8	0830	Fri	842 917 38 49474 23229 44467 ... 13946 57047 88786 917 38 00000	USB	(AB-RUS)
S06	13875	10-8	0930	Fri	842 917 38 49474 23229 44467 ... 13946 57047 88786 917 38 00000	USB	(AB-RUS)
S06	9492	17-8	1900	Fri	483 483 483 00000	USB	(AB/HFD)
S06	7528	17-8	2000	Fri	483 483 483 00000	USB	(AB/HFD)
S06	6773	18-8	1900	Sat	263 263 263 00000	USB	(MPJ)
S06	5773	18-8	2000	Sat	263 263 263 00000	USB	(AB)
S06	15721	20-8	0400	Mon	480 975 60 38707 94161 61337 ... 93715 73704 94653 975 60 00000	USB	(kalv)
S06	15721	22-8	0400	Wed	480 375 60 10772 68146 43009 ... 12714 04749 90299 375 60 00000	USB	(kalv)
S06	15721	23-8	0400	Thu	480 692 50 89964 62931 29095 ... 31221 54267 01068 692 50 00000	USB	(kalv)
S06	16327	23-8	0830	Thu	842 107 44 67051 85803 54019 ...	USB	(AB)
S06	15721	30-8	0400	Thu	480 621 50 09113	USB	(HFD-J)
S06	16327	30-8	0830	Thu	842 695 30 02000 37770 55867 ... 43857 07125 23345 695 30 00000	USB	(AB-AUT/dmhz/HFD)
S06	13875	30-8	0930	Thu	842 695 30 02000 37770 55867 ... 43857 07125 23345 695 30 00000	USB	(AB-AUT/HFD-RUS)
S06	16327	31-8	0830	Fri	842 695 30 02000 37770 55867 ... 43857 07125 23345 695 30 00000	USB	(AB)
S06	13875	31-8	0930	Fri	842 695 30 02000 37770 55867 ... 43857 07125 23345 695 30 00000	USB	(AB)
S06s	12110	1-8	0730	Wed	745 903 6 84523 50634 61462 84040 39493 91458 903 6 00000	USB	(AB)
S06s	14977	1-8	0740	Wed	745 903 6 84523 50634 61462 84040 39493 91458 903 6 00000	USB	(AB)
S06s	9485	1-8	0820	Wed	471 239 5 19514 45246 38204 65475 44429 239 5 00000	USB	(AB)
S06s	11085	1-8	0830	Wed	471 239 5 19514 45246 38204 65475 44429 239 5 00000	USB	(AB)
S06s	11565	1-8	0830	Wed	464 970 5 35630 37392 39723 36946 31568 970 5 00000	USB	(AB)
S06s	12560	1-8	0840	Wed	464 970 5 35630 37392 39723 36946 31568 970 5 00000	USB	(AB)
S06s	14580	1-8	1000	Wed	729 508 6 81185 75117 48288 96122 57542 80463 508 6 00000	USB	(AB/MPJ)
S06s	16020	1-8	1010	Wed	729 508 6 81185 75117 48288 96122 57542 80463 508 6 00000	USB	(AB/MPJ)
S06s	9255	2-8	0930	Thu	314 927 5 43613 47545 24535 49598 98142 927 5 00000	USB	(AB-AUT)
S06s	10325	2-8	0940	Thu	314 927 5 43613 47545 24535 49598 98142 927 5 00000	USB	(AB)
S06s	13145	2-8	1200	Thu	425 938 6 76585 39626 43217 94450 26859 57421 938 6 00000	USB	(AB/MPJ)

S06s	14535	2-8	1210	Thu	425 938 6 76585 39626 43217 94450 26859 57421 938 6 00000	USB	(AB/MPJ)
S06s	6844	3-8	0900	Fri	624 890 5 35630 37392 39723 36946 31568 890 5 00000	USB	(AB-POL)
S06s	7161	3-8	0910	Fri	624 890 5 35630 37392 39723 36946 31568 890 5 00000	USB	(AB-POL)
S06s	10290	3-8	0930	Fri	516 427 8 87461 31487 30130 30905 37181 39971 35748 35931 427 8 00000	USB	(AB)
S06s	9655	3-8	0941	Fri	516 427 8 87461 31487 30130 30905 37181 39971 35748 35931 427 8 00000 Late start	USB	(AB)
S06s	12460	4-8	0800	Sat	254 890 6 36583 42069 30913 32098 31335 36683 890 6 00000	USB	(AB)
S06s	10250	4-8	0810	Sat	254 890 6 36583 42069 30913 32098 31335 36683 890 6 00000	USB	(AB)
S06s	16320	6-8	0630	Mon	524 807 6 84523 60534 61452 84040 39493 42214 807 6 00000	USB	(AB)
S06s	14875	6-8	0640	Mon	524 807 6 84523 60534 61452 84040 39493 42214 807 6 00000	USB	(AB)
S06s	8221	6-8	0830	Mon	371 495 6 87655 75855 07443 51240 62424 54251 495 6 00000	USB	(AB-AUT)
S06s	9353	6-8	0840	Mon	371 495 6 87655 75855 07443 51240 62424 54251 495 6 00000	USB	(AB-AUT)
S06s	16380	6-8	0900	Mon	872 460 5 47461 36461 36956 35478 36583 460 5 00000	USB	(AB-AUT)
S06s	14835	6-8	0910	Mon	872 460 5 47461 36461 36956 35478 36583 460 5 00000	USB	(AB-AUT)
S06s	10230	6-8	1200	Mon	831 425 6 90406 36113 31107 38897 37137 31405 425 6 00000	USB	(AB/MPJ)
S06s	12165	6-8	1210	Mon	831 425 6 90406 36113 31107 38897 37137 31405 425 6 00000	USB	(AB/MPJ)
S06s	15945	7-8	0600	Tue	438 295 6 93163 33231 31323 32680 85418 31896 295 6 00000	USB	(AB)
S06s	16945	7-8	0610	Tue	438 295 6 93163 33231 31323 32680 85418 31896 295 6 00000	USB	(AB)
S06s	5430	7-8	0700	Tue	374 950 6 65032 39366 87471 31487 30130 30905 950 6 00000	USB	(AB-POL)
S06s	6780	7-8	0715	Tue	374 950 6 65032 39366 87471 31487 30130 30905 950 6 00000	USB	(AB)
S06s	7365	7-8	0730	Tue	427 915 6 86513 64369 32793 29373 03663 68732 915 6 00000	USB	(AB)
S06s	11655	7-8	0740	Tue	427 915 6 86513 64369 32793 29373 03663 68732 915 6 00000	USB	(AB)
S06s	14373	7-8	0800	Tue	352 467 8 07931 98755 84638 45752 64655 58202 44206 39464 467 8 00000	USB	(AB)
S06s	12935	7-8	0810	Tue	352 467 8 07931 98755 84638 45752 64655 58202 44206 39464 467 8 00000	USB	(AB)
S06s	4820	7-8	1000	Tue	893 457 6 80585 53623 02507 34465 29833 44420 457 6 00000	USB	(AB-POL)
S06s	5660	7-8	1010	Tue	893 457 6 80585 53623 02507 34465 29833 44420 457 6 00000	USB	(AB-POL)
S06s	6810	7-8	1100	Tue	754 831 6 35131 84430 39244 36850 39818 38792 831 6 00000	USB	(AB-AUT/MPJ-AUT)
S06s	7560	7-8	1110	Tue	754 831 6 35131 84430 39244 36850 39818 38792 831 6 00000	USB	(AB-AUT/MPJ-AUT)
S06s	7744	7-8	1510	Tue	537 910 6 16091 29043 59031 06027 22026 31011 910 6 00000	USB	(AB-AUT/MPJ)
S06s	12110	8-8	0730	Wed	745 903 6 84523 50634 61462 84040 39493 91458 903 6 00000	USB	(AB)
S06s	14977	8-8	0740	Wed	745 903 6 84523 50634 61462 84040 39493 91458 903 6 00000	USB	(AB)
S06s	9485	8-8	0820	Wed	471 239 5 19514 45246 38204 65475 44429 239 5 00000	USB	(AB)
S06s	11085	8-8	0830	Wed	471 239 5 19514 45246 38204 65475 44429 239 5 00000	USB	(AB)
S06s	11565	8-8	0830	Wed	464 970 5 35630 37392 39723 36946 31568 970 5 00000	USB	(AB)
S06s	12560	8-8	0840	Wed	464 970 5 35630 37392 39723 36946 31568 970 5 00000	USB	(AB)
S06s	14580	8-8	1000	Wed	729 508 6 81185 75117 48288 96122 57542 80463 508 6 00000	USB	(AB)
S06s	16020	8-8	1010	Wed	729 508 6 81185 75117 48288 96122 57542 80463 508 6 00000	USB	(AB)
S06s	9255	9-8	0930	Thu	314 927 5 43613 47545 24535 49598 98142 927 5 00000	USB	(AB)
S06s	10325	9-8	0940	Thu	314 927 5 43613 47545 24535 49598 98142 927 5 00000	USB	(AB)
S06s	13145	9-8	1200	Thu	425 938 6 76585 39626 43217 94450 26859 57421 938 6 00000	USB	(AB/MPJ)
S06s	14535	9-8	1210	Thu	425 938 6 76585 39626 43217 94450 26859 57421 938 6 00000	USB	(AB/MPJ)

S06s	6844	10-8	0900	Fri	624 890 5 35630 37392 39723 36946 31568 890 5 00000	USB	(AB)
S06s	7161	10-8	0910	Fri	624 890 5 35630 37392 39723 36946 31568 890 5 00000	USB	(AB)
S06s	10290	10-8	0930	Fri	516 427 8 87461 31487 30130 30905 37181 39971 35748 35931 427 8 00000	USB	(AB)
S06s	9655	10-8	0941	Fri	516 427 8 87461 31487 30130 30905 37181 39971 35748 35931 427 8 00000	USB	(AB)
S06s	16320	13-8	0630	Mon	524 807 6 84523 60534 61452 84040 39493 42214 807 6 00000	USB	(AB)
S06s	14875	13-8	0640	Mon	524 807 6 84523 60534 61452 84040 39493 42214 807 6 00000	USB	(AB)
S06s	8221	13-8	0830	Mon	371 495 6 87655 75855 07443 51240 62424 54251 495 6 00000	USB	(AB)
S06s	9353	13-8	0840	Mon	371 495 6 87655 75855 07443 51240 62424 54251 495 6 00000	USB	(AB)
S06s	16380	13-8	0900	Mon	872 460 5 47461 36461 36956 35478 36583 460 5 00000	USB	(AB)
S06s	14835	13-8	0910	Mon	872 460 5 47461 36461 36956 35478 36583 460 5 00000	USB	(AB)
S06s	10230	13-8	1200	Mon	831 425 6 90406 36113 31107 38897 37137 31405 425 6 00000	USB	(AB/MPJ)
S06s	12165	13-8	1210	Mon	831 425 6 90406 36113 31107 38897 37137 31405 425 6 00000	USB	(AB/MPJ)
S06s	15945	14-8	0600	Tue	438 295 6 93163 33231 31323 32680 85418 31896 295 6 00000	USB	(AB)
S06s	16945	14-8	0610	Tue	438 295 6 93163 33231 31323 32680 85418 31896 295 6 00000	USB	(AB)
S06s	5430	14-8	0700	Tue	374 950 6 65032 39366 87471 31487 30130 30905 950 6 00000	USB	(AB-POL)
S06s	6780	14-8	0715	Tue	374 950 6 65032 39366 87471 31487 30130 30905 950 6 00000	USB	(AB)
S06s	7365	14-8	0730	Tue	427 915 6 86513 64369 32793 29373 03663 68732 915 6 00000	USB	(AB)
S06s	11655	14-8	0740	Tue	427 915 6 86513 64369 32793 29373 03663 68732 915 6 00000	USB	(AB)
S06s	14373	14-8	0800	Tue	352 467 8 07931 98755 84638 45752 64655 58202 44206 39464 467 8 00000	USB	(AB)
S06s	12935	14-8	0810	Tue	352 467 8 07931 98755 84638 45752 64655 58202 44206 39464 467 8 00000	USB	(AB)
S06s	4820	14-8	1000	Tue	893 457 6 80585 53623 02507 34465 29833 44420 457 6 00000	USB	(AB-POL)
S06s	5660	14-8	1010	Tue	893 457 6 80585 53623 02507 34465 29833 44420 457 6 00000	USB	(AB-POL)
S06s	6810	14-8	1100	Tue	754 831 6 35131 84430 39244 36850 39818 38792 831 6 00000	USB	(AB/MPJ)
S06s	7560	14-8	1110	Tue	754 831 6 35131 84430 39244 36850 39818 38792 831 6 00000	USB	(AB/MPJ)
S06s	6766	14-8	1500	Tue	537 910 6 16091 29043 59031 06027 22026 31011 910 6 00000	USB	(AB-UKR/MPJ)
S06s	7744	14-8	1510	Tue	537 910 6 16091 29043 59031 06027 22026 31011 910 6 00000	USB	(AB-UKR/MPJ)
S06s	12110	15-8	0730	Wed	745 892 6 05424 76458 59421 21677 15541 26059 892 6 00000	USB	(AB)
S06s	14977	15-8	0740	Wed	745 892 6 05424 76458 59421 21677 15541 26059 892 6 00000	USB	(AB)
S06s	9485	15-8	0820	Wed	471 596 8 07931 98755 84636 45752 64655 58202 44206 29464 596 8 00000	USB	(AB)
S06s	11085	15-8	0830	Wed	471 596 8 07931 98755 84636 45752 64655 58202 44206 29464 596 8 00000	USB	(AB)
S06s	11565	15-8	0830	Wed	464 908 5 25473 02883 33445 69425 38167 908 5 00000	USB	(AB)
S06s	12560	15-8	0840	Wed	464 908 5 25473 02883 33445 69425 38167 908 5 00000	USB	(AB)
S06s	14580	15-8	1000	Wed	729 853 6 62795 74228 56551 44999 47773 55580 853 6 00000	USB	(AB)
S06s	16020	15-8	1010	Wed	729 853 6 62795 74228 56551 44999 47773 55580 853 6 00000	USB	(AB)
S06s	13145	16-8	1200	Thu	425 870 6 60152 23887 25340 88247 15666 92518 870 6 00000	USB	(AB/MPJ)
S06s	14535	16-8	1210	Thu	425 870 6 60152 23887 25340 88247 15666 92518 870 6 00000	USB	(AB/MPJ)
S06s	6844	17-8	0900	Fri	624 908 5 43785 67625 55500 61642 05317 908 5 00000	USB	(AB)
S06s	7161	17-8	0910	Fri	624 908 5 43785 67625 55500 61642 05317 908 5 00000	USB	(AB)
S06s	10290	17-8	0930	Fri	516 938 7 43785 67523 44293 61642 91505 79532 77572 938 7 00000	USB	(AB)
S06s	9655	17-8	0941	Fri	516 938 7 43785 67523 44293 61642 91505 79532 77572 938 7 00000	USB	(AB)

S06s	16320	20-8	0630	Mon	524 839 6 43785 67625 55500 61642 92505 56656 839 5 00000	USB	(AnEur)
S06s	14875	20-8	0640	Mon	524 839 6 43785 67625 55500 61642 92505 56656 839 5 00000	USB	(AnEur)
S06s	8221	20-8	0830	Mon	371 289 5 24686 26572 84686 25545 58546 289 5 00000	USB	(AB)
S06s	9353	20-8	0840	Mon	371 289 5 24686 26572 84686 25545 58546 289 5 00000	USB	(AB)
S06s	16380	20-8	0900	Mon	872 934 5 69067 53355 48235 28222 37832 934 5 00000	USB	(AB)
S06s	14835	20-8	0910	Mon	872 934 5 69067 53355 48235 28222 37832 934 5 00000	USB	(AB)
S06s	10230	20-8	1200	Mon	831 279 5 34243 83255 55945 60454 93543 278 5 00000	USB	(AB/MPJ)
S06s	12165	20-8	1210	Mon	831 279 5 34243 83255 55945 60454 93543 278 5 00000	USB	(AB/MPJ)
S06s	15945	21-8	0600	Tue	438 296 5 28548 59014 32424 75078 97520 296 5 00000	USB	(AB)
S06s	16945	21-8	0610	Tue	438 296 5 28548 59014 32424 75078 97520 296 5 00000	USB	(AB)
S06s	5430	21-8	0700	Tue	374 592 6 43785 67625 55500 61642 91505 56656 592 6 00000	USB	(AB-POL)
S06s	6780	21-8	0715	Tue	374 592 6 43785 67625 55500 61642 91505 56656 592 6 00000	USB	(AB)
S06s	7365	21-8	0730	Tue	427 938 6 97520 26569 05518 71527 45251 05317 938 6 00000	USB	(AB)
S06s	11655	21-8	0740	Tue	427 938 6 97520 26569 05518 71527 45251 05317 938 6 00000	USB	(AB)
S06s	14373	21-8	0800	Tue	352 910 6 34252 83255 55945 60494 93543 85422 910 6 00000	USB	(AB)
S06s	12935	21-8	0810	Tue	352 910 6 34252 83255 55945 60494 93543 85422 910 6 00000	USB	(AB)
S06s	4820	21-8	1000	Tue	893 520 6 56174 37393 19514 45256 38204 65475 520 6 00000	USB	(AB-POL)
S06s	5660	21-8	1010	Tue	893 520 6 56174 37393 19514 45256 38204 65475 520 6 00000	USB	(AB-POL)
S06s	6810	21-8	1100	Tue	754 891 6 62434 54159 77888 02856 55625 34235 891 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	7560	21-8	1110	Tue	754 891 6 62434 54159 77888 02856 55625 34235 891 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	6766	21-8	1500	Tue	537 920 6 39493 91458 83723 92688 45952 21431 920 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	7744	21-8	1510	Tue	537 920 6 39493 91458 83723 92688 45952 21431 920 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	12110	22-8	0730	Wed	745 892 6 05424 76458 59421 21677 15541 26059 892 6 00000	USB	(AB)
S06s	14977	22-8	0740	Wed	745 892 6 05424 76458 59421 21677 15541 26059 892 6 00000	USB	(AB)
S06s	9485	22-8	0820	Wed	471 596 8 07931 98755 84636 45752 64655 58202 44206 29464 596 8 00000	USB	(AB)
S06s	11565	22-8	0830	Wed	464 908 5 25473 02883 33445 69425 38167 908 5 00000	USB	(AB)
S06s	11085	22-8	0831	Wed	471 596 8 07931 98755 84636 45752 64655 58202 44206 29464 596 8 00000 Late start	USB	(AB)
S06s	12560	22-8	0840	Wed	464 908 5 25473 02883 33445 69425 38167 908 5 00000	USB	(AB)
S06s	14580	22-8	1000	Wed	729 853 6 62795 74228 56551 44999 47773 55580 853 6 00000	USB	(AB/MPJ)
S06s	16020	22-8	1010	Wed	729 853 6 62795 74228 56551 44999 47773 55580 853 6 00000	USB	(AB/MPJ)
S06s	9255	23-8	0930	Thu	314 809 5 37393 19514 45246 38204 02856 809 5 00000	USB	(AB)
S06s	10325	23-8	0940	Thu	314 809 5 37393 19514 45246 38204 02856 809 5 00000	USB	(AB)
S06s	13145	23-8	1200	Thu	425 870 6 60152 23887 25340 88247 15666 92518 870 6 00000	USB	(AB/MPJ)
S06s	14535	23-8	1210	Thu	425 870 6 60152 23887 25340 88247 15666 92518 870 6 00000	USB	(AB/MPJ)
S06s	6844	24-8	0900	Fri	624 908 5 43785 67625 55500 61642 05317 908 5 00000	USB	(AB)
S06s	7161	24-8	0910	Fri	624 908 5 43785 67625 55500 61642 05317 908 5 00000	USB	(AB)
S06s	10290	24-8	0930	Fri	516 938 7 43785 67523 44293 61642 91505 79532 77572 938 7 00000	USB	(AB)
S06s	9655	24-8	0940	Fri	516 938 7 43785 67523 44293 61642 91505 79532 77572 938 7 00000	USB	(AB)
S06s	16320	27-8	0630	Mon	524 839 6 43785 67625 55500 61642 92505 56656 839 5 00000	USB	(AB)
S06s	14875	27-8	0640	Mon	524 839 6 43785 67625 55500 61642 92505 56656 839 5 00000	USB	(AB)

S06s	8221	27-8	0830	Mon	371 289 5 24686 26572 84686 25545 58546 289 5 00000	USB	(AB)
S06s	9353	27-8	0840	Mon	371 289 5 24686 26572 84686 25545 58546 289 5 00000	USB	(AB)
S06s	16380	27-8	0900	Mon	872 934 5 69067 53355 48235 28222 37832 934 5 00000	USB	(AB)
S06s	14835	27-8	0910	Mon	872 934 5 69067 53355 48235 28222 37832 934 5 00000	USB	(AB)
S06s	10230	27-8	1200	Mon	831 279 5 34243 83255 55945 60454 93543 278 5 00000	USB	(AB/MPJ)
S06s	12165	27-8	1210	Mon	831 279 5 34243 83255 55945 60454 93543 278 5 00000	USB	(AB/MPJ)
S06s	7365	28-8	0730	Tue	427 938 6 97520 26569 05518 71527 45251 05317 938 6 00000	USB	(AB)
S06s	11655	28-8	0740	Tue	427 938 6 97520 26569 05518 71527 45251 05317 938 6 00000	USB	(AB)
S06s	14373	28-8	0800	Tue	352 910 6 34252 83255 55945 60494 93543 85422 910 6 00000	USB	(AB)
S06s	12935	28-8	0810	Tue	352 910 6 34252 83255 55945 60494 93543 85422 910 6 00000	USB	(AB)
S06s	4820	28-8	1000	Tue	893 520 6 56174 37393 19514 45256 38204 65475 520 6 00000	USB	(AB-POL)
S06s	5660	28-8	1010	Tue	893 520 6 56174 37393 19514 45256 38204 65475 520 6 00000	USB	(AB-POL)
S06s	6810	28-8	1100	Tue	754 891 6 62434 54159 77888 02856 55625 34235 891 6 00000	USB	(AB-POL/MPJ)
S06s	7560	28-8	1110	Tue	754 891 6 62434 54159 77888 02856 55625 34235 891 6 00000	USB	(AB-POL/MPJ)
S06s	6766	28-8	1500	Tue	537 920 6 39493 91458 83723 92688 45952 21431 920 6 00000	USB	(AB-AUT/MPJ)
S06s	7744	28-8	1510	Tue	537 920 6 39493 91458 83723 92688 45952 21431 920 6 00000	USB	(AB-AUT/MPJ)
S06s	12110	29-8	0730	Wed	745 745 745 00000	USB	(AB)
S06s	14977	29-8	0740	Wed	745 745 745 00000	USB	(AB)
S06s	9485	29-8	0820	Wed	471 471 471 00000	USB	(AB)
S06s	11565	29-8	0830	Wed	464 464 464 00000	USB	(AB)
S06s	11085	29-8	0831	Wed	471 471 471 00000	USB	(AB)
S06s	12560	29-8	0840	Wed	464 454 464 00000	USB	(AB)
S06s	14580	29-8	1000	Wed	729 729 729 00000	USB	(AB)
S06s	16020	29-8	1010	Wed	729 729 729 00000	USB	(AB)
S06s	9255	30-8	0930	Thu	314 314 314 00000	USB	(AB)
S06s	10325	30-8	0940	Thu	314 314 314 00000	USB	(AB)
S06s	13145	30-8	1200	Thu	425 425 425 00000	USB	(AB/MPJ)
S06s	14535	30-8	1210	Thu	425 425 425 00000	USB	(AB/MPJ)
S06s	6844	31-8	0900	Fri	624 624 624 00000	USB	(AB-POL)
S06s	7161	31-8	0910	Fri	624 624 624 00000	USB	(AB-POL)
S06s	10290	31-8	0930	Fri	516 516 516 00000	USB	(AB)
S06s	9655	31-8	0940	Fri	516 516 516 00000	USB	(AB)
S11a	11092	1-8	1540	Wed	564/32 77273 43978 19403 ... 60032 02000 84268 (message repeated) Konets	USB	(AB/MPJ)
S11a	12457	1-8	1850	Wed	280/00	USB	(AB)
S11a	4870	1-8	1955	Wed	370/00	USB	(AB)
S11a	5737	1-8	2050	Wed	484/00	USB	(AB)
S11a	17378	2-8	0725	Thu	Test tone but no transmission at 0735z	USB	(AB-G)
S11a	10210	2-8	1015	Thu	477/00	USB	(AB)
S11a	5149	3-8	0455	Fri	321/00	USB	(AB)
S11a	6977	3-8	1020	Fri	426/00	USB	(AB)

S11a	4870	3-8	1955	Fri	371/00	USB	(AB)
S11a	11092	4-8	1540	Sat	564/32 77273 43978 19403 ... 60032 02000 84268 (message repeated) Konets	USB	(MPJ)
S11a	12457	4-8	1850	Sat	282/00	USB	(AB/MPJ)
S11a	5737	5-8	2050	Sun	482/00	USB	(AnEur)
S11a	5149	7-8	0455	Tue	329/35 34619 56949 65177 ... 78972 08537 02780 (message repeated) Konets. No "Vnimanije"	USB	(AB)
S11a	6977	7-8	1020	Tue	421/00	USB	(AB
S11a	11092	8-8	1540	Wed	569/00	USB	(AB/MPJ)
S11a	12457	8-8	1850	Wed	286/00	USB	(AB/MPJ)
S11a	4870	8-8	1955	Wed	378/00	USB	(AB)
S11a	5737	8-8	2050	Wed	480/00	USB	(AB)
S11a	10210	9-8	1015	Thu	471/34 Vnimanije 68555 74347 46297 ... 05068 87096 46007 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5149	10-8	0455	Fri	329/35 34619 56949 65177 ... 78972 08537 02780 (message repeated) Konets. No "Vnimanije"	USB	(AB)
S11a	6977	10-8	1020	Fri	421/00	USB	(AB/HFD)
S11a	4870	10-8	1955	Fri	371/00	USB	(AnEur)
S11a	11092	11-8	1540	Sat	560/00	USB	(MPJ/GHn)
S11a	12457	11-8	1850	Sat	281/00	USB	(MPJ)
S11a	5737	12-8	2050	Sun	486/00	USB	(AB)
S11a	10210	13-8	1015	Mon	470/00	USB	(AB)
S11a	5149	14-8	0455	Tue	322/00	USB	(AB)
S11a	6977	14-8	1020	Tue	429/00	USB	(AB
S11a	11092	15-8	1540	Wed	569/00	USB	(AB/MPJ)
S11a	11092	15-8	1540	Wed	569/00	USB	(AB/MPJ)
S11a	12457	15-8	1850	Wed	288/00	USB	(AB/MPJ)
S11a	5737	15-8	2050	Wed	482/00	USB	(AB)
S11a	5149	17-8	0455	Fri	322/00	USB	(AB)
S11a	6977	17-8	1020	Fri	422/00	USB	(AB)
S11a	4870	17-8	1955	Fri	378/00	USB	(AB/BW3)
S11a	11092	18-8	1540	Sat	567/00	USB	(AB/MPJ)
S11a	12457	18-8	1850	Sat	285/00	USB	(AB/MPJ)
S11a	5737	19-8	2050	Sun	486/00	USB	(AB)
S11a	10210	20-8	1015	Mon	479/00	USB	(AB)
S11a	5149	21-8	0455	Tue	325/00	USB	(AB)
S11a	17378	21-8	0820	Tue	131/00	USB	(AB)
S11a	14740	21-8	0935	Tue	380/00	USB	(AB)
S11a	6977	21-8	1020	Tue	421/36 Vnimanije 05144 29899 23760 ... 03959 85675 72624 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12457	22-8	1850	Wed	286/39 60967 57497 38732 ... 98986 34919 34736 (message repeated) Konets. No "Vnimanije"	USB	(AB/MPJ)
S11a	4870	22-8	1955	Wed	373/31 60189 58425 58558 ... 19188 16133 72094 (message repeated) Konets. No "Vnimanije"	USB	(AB)
S11a	5737	22-8	2050	Wed	486/31 54113 24168 94154 ... 12971 35024 06483 (message repeated) Konets. No "Vnimanije"	USB	(AB)

S11a	14740	23-8	0735	Thu	384/00	USB	(AB)
S11a	10210	23-8	1015	Thu	479/00	USB	(AB)
S11a	5149	24-8	0455	Fri	326/00	USB	(AB)
S11a	6977	24-8	1020	Fri	421/36 Vnimanaye 05144 29899 23760 ... 03959 85675 72624 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	4870	24-8	1955	Fri	373/31 60189 58425 58558 ... 19188 16133 72094 (message repeated) Konets. No "Vnimanaye"	USB	(AB)
S11a	11092	25-8	1540	Sat	567/00	USB	(AB/MPJ)
S11a	12457	25-8	1850	Sat	286/39 60967 57497 38732 ... 98986 34919 34736 (message repeated) Konets. No "Vnimanaye"	USB	(AB/MPJ)
S11a	10210	27-8	1015	Mon	475/00	USB	(AB)
S11a	17378	28-8	0820	Tue	134/00	USB	(AB-G)
S11a	6977	28-8	1020	Tue	427/00	USB	(AB)
S11a	11092	29-8	1540	Wed	564/00	USB	(GHn/MPJ)
S11a	12457	29-8	1850	Wed	281/00	USB	(AB-AUT/MPJ-I)
S11a	4870	29-8	1955	Wed	376/00	USB	(AB)
S11a	5737	29-8	2050	Wed	483/00	USB	(AB)
S11a	14740	30-8	0735	Thu	382/00	USB	(AB)
S11a	10210	30-8	1015	Thu	479/00	USB	(AB)
S11a	5149	31-8	0455	Fri	321/00	USB	(AB)
S11a	6977	31-8	1020	Fri	420/00	USB	(AB)
S11a	4870	31-8	1955	Fri	379/00	USB	(AB)
UM03	7920	2-8	0112	Thu	i.p. AR 03 03 CK 100 CK 100 TIME 0813 TIME 0813 DATE 0208 DATE 0208 = BQSKZ KZCFU ... on 7920, 8250, 8410 kHz	CW	(JPL-CHN)
UM03	8250	2-8	0112	Thu	i.p. AR 03 03 CK 100 CK 100 TIME 0813 TIME 0813 DATE 0208 DATE 0208 = BQSKZ KZCFU ... on 7920, 8250, 8410 kHz	CW	(JPL-CHN)
UM03	8410	2-8	0112	Thu	i.p. AR 03 03 CK 100 CK 100 TIME 0813 TIME 0813 DATE 0208 DATE 0208 = BQSKZ KZCFU ... on 7920, 8250, 8410 kHz	CW	(JPL-CHN)
UM10	3629	1-8	1222	Wed	10-minutes net: SDXL	CW	(F5JBR-J)
UM10	3542	1-8	1223	Wed	10-minutes net: HDNA //4116 kHz	CW	(F5JBR-J)
UM10	4116	1-8	1223	Wed	10-minutes net: HDNA //3542 kHz	CW	(F5JBR-J)
UM10	3542	1-8	1642	Wed	10-minutes net: HDNA //4116	CW	(JPL-Sib)
UM10	3629	1-8	1642	Wed	10-minutes net: SDXL	CW	(JPL-Sib)
UM10	3629	1-8	2051	Wed	10-minutes net: SDXL	CW	(JPL-Sib)
UM10	3542	1-8	2052	Wed	10-minutes net: HDNA //4116	CW	(JPL-Sib)
UM10	5918	2-8	0057	Thu	10-minutes net: QUXF //6780 kHz	CW	(JPL-CHN)
UM10	6780	2-8	0057	Thu	10-minutes net: QUXF //6780 kHz	CW	(JPL-CHN)
UM10	6790	2-8	0059	Thu	10-minutes net: JATD	CW	(JPL-CHN)
UM10	3629	2-8	1352	Thu	10-minutes net: SDXL	CW	(AB-J)
UM10	3542	2-8	1353	Thu	10-minutes net: HDNA	CW	(AB-J)
UM10	4116	2-8	1354	Thu	10-minutes net: HDNA	CW	(AB-J)
UM10	3629	2-8	1757	Thu	10-minutes net: SDXL	CW	(JPL-CHN)

UM10	3629	2-8	1829	Thu	10-minutes net: SDXL	CW	(JPL-CHN)
UM10	3629	3-8	1353	Fri	10-minutes net: SDXL	CW	(JPL-Sib)
UM10	3542	3-8	1354	Fri	10-minutes net: HDNA //4116 kHz	CW	(JPL-Sib)
UM10	4116	3-8	1354	Fri	10-minutes net: HDNA //3542 kHz	CW	(JPL-Sib)
UM10	3629	3-8	1756	Fri	10-minutes net: SDXL	CW	(JPL-Sib)
UM10	5945	4-8	0825	Sat	10-minutes station: EQA7	CW	(F5JBR-J)
UM10	3205	4-8	1455	Sat	10-minutes station: EM4X //4075 kHz	CW	(F5JBR-J)
UM10	3287	4-8	1455	Sat	10-minutes station: LEQA	CW	(F5JBR-J)
UM10	4075	4-8	1455	Sat	10-minutes station: EM4X //3205 kHz	CW	(F5JBR-J)
UM10	5945	5-8	0755	Sun	10-minutes net: EQA7	CW	(F5JBR-J)
UM10	7268	5-8	0801	Sun	10-minutes net: CWS4	CW	(F5JBR-J)
UM10	3287	5-8	1255	Sun	10-minutes net: LEQA	CW	(AtB)
UM10	3287	5-8	1325	Sun	10-minutes net: LEQA	CW	(AtB)
UM10	4015	5-8	1825	Sun	10-minutes net: EM4X	CW	(F5JBR-J)
UM10	3287	24-8	2127	Fri	10-minutes net: LEQA	CW	(JPL-CHN)
UM10	3205	24-8	2128	Fri	10-minutes net: EM4X //4075 kHz	CW	(JPL-CHN)
UM10	4075	24-8	2128	Fri	10-minutes net: EM4X //3205 kHz	CW	(JPL-CHN)
UM10	3287	24-8	2157	Fri	10-minutes net: LEQA	CW	(JPL-CHN)
UM10	3205	24-8	2158	Fri	10-minutes net: EM4X //4075 kHz	CW	(JPL-CHN)
UM10	4075	24-8	2158	Fri	10-minutes net: EM4X //3205 kHz	CW	(JPL-CHN)
UM10	3205	25-8	1426	Sat	10-minutes net: EM4X //4075 kHz	CW	(JPL-Sib)
UM10	4075	25-8	1426	Sat	10-minutes net: EM4X //3205 kHz	CW	(JPL-Sib)
UM10	3287	25-8	1430	Sat	10-minutes net: LEQA	CW	(JPL-Sib)
UM10	3205	25-8	1934	Sat	10-minutes net: EM4X //4075 kHz	CW	(JPL-Sib)
UM10	4075	25-8	1934	Sat	10-minutes net: EM4X //3205 kHz	CW	(JPL-Sib)
UM10	3205	25-8	1955	Sat	10-minutes net: EM4X //4075 kHz	CW	(JPL-Sib)
UM10	4075	25-8	1955	Sat	10-minutes net: EM4X //3205 kHz	CW	(JPL-Sib)
UM10	6487	26-8	0725	Sun	10-minutes net: CWS4 //7268 kHz	CW	(F5JBR-J)
UM10	7268	26-8	0725	Sun	10-minutes net: CWS4 //6487 kHz	CW	(F5JBR-J)
UM10	5945	26-8	0726	Sun	10-minutes net: EQA7	CW	(F5JBR-J)
UM10	3205	26-8	0959	Sun	10-minutes net: EM4X //4075 kHz	CW	(JPL_Sib)
UM10	4075	26-8	0959	Sun	10-minutes net: EM4X //3205 kHz	CW	(JPL_Sib)
UM10	5845	26-8	0959	Sun	10-minutes net: EQA7 //6975 kHz	CW	(JPL_Sib)
UM10	6975	26-8	0959	Sun	10-minutes net: EQA7 //5845 kHz	CW	(JPL_Sib)
UM10	3205	26-8	1425	Sun	10-minutes net: EM4X //4075 kHz	CW	(F5JBR-J)
UM10	3287	26-8	1425	Sun	10-minutes net: LEQA	CW	(F5JBR-J)
UM10	4075	26-8	1425	Sun	10-minutes net: EM4X //3205 kHz	CW	(F5JBR-J)
UM10	6487	27-8	0725	Mon	10-minutes net: CWS4 //7268 kHz	CW	(F5JBR-J)
UM10	7268	27-8	0725	Mon	10-minutes net: CWS4 //6487 kHz	CW	(F5JBR-J)
UM10	3287	28-8	1225	Tue	10-minutes net: LEQA	CW	(F5JBR-J)

UM10	3205	28-8	1425	Tue	10-minutes net: EM4X	CW	(F5JBR-J)
UM10	3287	28-8	1500	Tue	10-minutes net: LEQA	CW	(JPL-J)
UM10	3287	29-8	1559	Wed	10-minutes net: LEQA	CW	(JPL-Sib)
UM10	3205	29-8	1600	Wed	10-minutes net: EM4X //4075 kHz	CW	(JPL-Sib)
UM10	4075	29-8	1600	Wed	10-minutes net: EM4X //3205 kHz	CW	(JPL-Sib)
UM10	3205	30-8	1703	Thu	10-minutes net: EM4X //4075 kHz	CW	(JPL-Sib)
UM10	4075	30-8	1703	Thu	10-minutes net: EM4X //3205 kHz	CW	(JPL-Sib)
UM10	3287	31-8	1250	Fri	10-minutes net: LEQA	CW	(JPL-Sib)
UM10	3205	31-8	1301	Fri	10-minutes net: EM4X	CW	(JPL-Sib)
V07	13563	5-8	0700	Sun	512 512 512 000	USB	(AB-RUS)
V07	12163	5-8	0720	Sun	512 512 512 000	USB	(AB-RUS)
V07	13563	12-8	0700	Sun	512 512 512 1 8839 53 8839 53 78048 28041 60631 ... 24243 61760 47803 000 000	USB	(AB-RUS/kalv)
V07	12163	12-8	0720	Sun	512 512 512 1 8839 53 8839 53 78048 28041 60631 ... 24243 61760 47803 000 000	USB	(AB-RUS/kalv)
V07	10263	12-8	0740	Sun	512 512 512 1 8839 53 8839 53 78048 28041 60631 ... 24243 61760 47803 000 000	USB	(AB-RUS)
V07	13563	19-8	0700	Sun	512 512 512 000	USB	(AB-RUS)
V07	12163	19-8	0720	Sun	512 512 512 000	USB	(AB-RUS)
V07	13563	26-8	0700	Sun	512 512 512 1 454 79 454 79 04835 46902 13238 ... 68043 25832 82608 000 000	USB	(AB-RUS/Dan/HFD)
V07	12163	26-8	0720	Sun	512 512 512 1 454 79 454 79 04835 46902 13238 ... 68043 25832 82608 000 000	USB	(AB-RUS/Dan/HFD)
V07	10263	26-8	0740	Sun	512 512 512 1 454 79 454 79 04835 46902 13238 ... 68043 25832 82608 000 000	USB	(AB-RUS/Dan/HFD)
V15	3320	18-8	1445	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //6400 kHz	AM	(AB-J/BW3-J)
V15	6400	18-8	1445	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //3320 kHz	AM	(AB-J)
V15	657	23-8	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //657, 3320, 6400 kHz	AM	(BW3-J)
V15	3320	23-8	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //657, 3320, 6400 kHz	AM	(BW3-J)
V15	6400	23-8	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //657, 3320, 6400 kHz	AM	(BW3-J)
V24	6215	5-8	1500	Sun	Popsong followed by a message in Korean	AM	(AB-J)
V24	6215	7-8	1500	Tue	Popmusic followed by a message in Korean	AM	(AB-J/BW3-J/W9SPY)
V24	5715	21-8	1500	Tue	Popmusic followed by a message in Korean	USB	(AB-J/BW3-J)
V26	4243	7-8	1209	Tue	Messages in Chinese //9054	USB	(JPL)
V26	9054	7-8	1209	Tue	Messages in Chinese //4243	USB	(JPL)
V26	4243	27-8	0950	Mon	Messages in Chinese //7345	USB	(JPL)
V26	7345	27-8	0950	Mon	Messages in Chinese //4243	USB	(JPL)
V28	4494	2-8	2104	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4623	2-8	2104	Thu	Parrot. Messages in Korean	AM	(HK)
V28	5169	2-8	2104	Thu	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2999.8	3-8	1207	Fri	Parrot. Messages in Korean. Female operator	AM	(Phi)
V28	3049.7	3-8	1207	Fri	Parrot. Messages in Korean. Female operator	AM	(Phi)
V28	3517.9	3-8	1207	Fri	Parrot. Messages in Korean. Female operator	AM	(Phi)
V28	4493	3-8	2104	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4629	3-8	2104	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)

V28	4973	3-8	2104	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5215	3-8	2104	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4494	20-8	2053	Mon	Parrot. Messages in Korean. Male operator	AM	(Phi-RUS)
V28	4494	20-8	2100	Mon	Parrot. Messages in Korean. Female operator	AM	(Phi-RUS)
V28	4621.5	20-8	2102	Mon	Parrot. Messages in Korean. Male operator	AM	(Phi-RUS)
V28	4963.6	20-8	2107	Mon	Parrot. Messages in Korean. Male operator	AM	(Phi-RUS)
V28	4494	21-8	2102	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4627	21-8	2102	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4953	21-8	2102	Tue	Parrot. Messages in Korean	AM	(HK)
V28	5293.6	21-8	2102	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2999	25-8	2100	Sat	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3049	25-8	2100	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	25-8	2100	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2934	25-8	2102	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	26-8	2100	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4622	26-8	2100	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4957	26-8	2100	Sun	Parrot. Messages in Korean	AM	(HK)
V28	5158	26-8	2100	Sun	Parrot. Messages in Korean. Male operator	AM	(HK)
VC01	3751	5-8	1635	Sun	Chinese Robot i.p.	USB	(BW3-J)
VC01	3751	5-8	2205	Sun	Chinese Robot i.p.	USB	(BW3-J)
VC01	4790	7-8	2215	Tue	Chinese Robot i.p.	LSB	(BW3)
VC01	3751	7-8	2217	Tue	Chinese Robot i.p.	USB	(BW3)
VC01	5792	9-8	0611	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3751	10-8	1528	Fri	Chinese Robot i.p.	USB	(BW3-J)
VC01	4789.5	10-8	1534	Fri	Chinese Robot with a 3 minute message at 1534z. Off at 1537z	LSB	(BW3-J)
VC01	3751	13-8	1456	Mon	Chinese Robot i.p.	USB	(BW3-J)
VC01	4790	13-8	1459	Mon	Chinese Robot i.p.	LSB	(BW3-J)
VC01	3751	15-8	1507	Wed	Chinese Robot i.p.	USB	(BW3-J)
VC01	4195	15-8	1507	Wed	Chinese Robot (tentative)	LSB	(BW3-J)
VC01	4790	15-8	1512	Wed	Chinese Robot i.p.	LSB	(BW3-J)
VC01	4790	16-8	1352	Thu	Chinese Robot i.p.	LSB	(BW3-J)
VC01	3751	16-8	1354	Thu	Chinese Robot i.p.	USB	(BW3-J)
VC01	5792	17-8	0515	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4790	21-8	1531	Tue	Chinese Robot i.p.	LSB	(BW3-J)
VC01	3011	23-8	1825	Thu	Chinese Robot i.p.	USB	(BW3-J)
VC01	4790	24-8	1441	Fri	Chinese Robot i.p.	LSB	(BW3-J)
VC01	4790	25-8	1458	Sat	Chinese Robot i.p.	LSB	(BW3-J)
X06	13838	1-8	0635	Wed	Sequence: 256341	MFSK-6	(Danix)
X06	17430	1-8	0806	Wed	Sequence: 214356	MFSK-6	(Danix)
X06	12138	1-8	0822	Wed	Sequence: 362154	MFSK-6	(Danix)

X06	16115	1-8	1110	Wed	Sequence: 215346	MFSK-6	(Danix)
X06	14650	1-8	1119	Wed	Sequence: 215346	MFSK-6	(Danix)
X06	15866	2-8	0635	Thu	Sequence: 436512 (Clashing with 3000Bd bursts on the same freq)	MFSK-6	(Danix)
X06	17468	2-8	0635	Thu	Sequence: 436512	MFSK-6	(Danix)
X06	16276	2-8	0700	Thu	Sequence: 314265	MFSK-6	(Danix)
X06	18575	2-8	1236	Thu	Sequence: 352416	MFSK-6	(Danix)
X06	14501	3-8	1002	Fri	Sequence: 361245	MFSK-6	(Danix)
X06	12194	3-8	1020	Fri	Sequence: 625413	MFSK-6	(Danix)
X06	13547	3-8	1027	Fri	Sequence: 625413	MFSK-6	(Danix)
X06	12157	7-8	0751	Tue	Sequence: 164532 / 165423 (Started with 164532, while it should have been 165423. Break at 0804-0806 UTC. Returned with the same wrong scale. Stopped briefly at 0808 UTC, and returned with the correct sequence	MFSK-6	(Danix)
X06	13524	7-8	0757	Tue	Sequence: 125643	MFSK-6	(Danix)
X06	14655	8-8	0811	Wed	i.p. Sequence: 164253	MFSK-6	(AB)
X06	13843	9-8	0811	Thu	i.p. Sequence: 153624 Ended 0816z	MFSK-6	(AB)
X06	14970	28-8	1015	Tue	Sequence: 216354	MFSK-6	(Hutch)
X06b	13438	5-8	1820	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	5-8	1821	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14438	5-8	1824	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	5-8	1825	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	7-8	1821	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	7-8	1822	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	13428	7-8	1826	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	7-8	1827	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	7-8	1830	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	12080	9-8	0817	Thu	i.p. Sequence: 111666 Ended 0818z	MFSK-6	(AB)
X06b	14663	10-8	1752	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14663	10-8	1755	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	12-8	1850	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	12-8	1851	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	12-8	1854	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	12-8	1855	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	12-8	1858	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14738	12-8	1859	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14647	15-8	1741	Wed	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	15-8	1743	Wed	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	14647	15-8	1749	Wed	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	15-8	1752	Wed	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	15-8	1822	Wed	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	13438	19-8	1819	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)

X06b	13438	19-8	1824	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	19-8	1831	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	13438	19-8	1853	Sun	Sequence 111666 before XPA2	MFSK-6	(Dan)
X06b	14647	20-8	1802	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	20-8	1804	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	14647	20-8	1806	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	20-8	1807	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	14647	20-8	1824	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	16147	20-8	1825	Mon	Sequence: 111666 before E07	MFSK-6	(Dan)
X06b	12172	25-8	0814	Sat	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	12172	25-8	0820	Sat	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	12172	25-8	0822	Sat	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	10278	27-8	0650	Mon	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	10278	27-8	0652	Mon	Sequence: 111666 before XPA2	MFSK-6	(AB)
XM	4191	4-8	2020	Sat	Feed back	USB	(AB)
XPA	10868	1-8	0600	Wed	813 813 813 000 01772 00001 00000 35660	MFSK-20/10bd	(AB)
XPA	12168	1-8	0620	Wed	813 813 813 000 01772 00001 00000 35660	MFSK-20/10bd	(AB)
XPA	13368	1-8	0640	Wed	813 813 813 000 01772 00001 00000 35660	MFSK-20/10bd	(AB)
XPA	10868	6-8	0600	Mon	813 813 813 000 02712 00001 00000 35653	MFSK-20/10Bd	(AB/HFD)
XPA	12168	6-8	0620	Mon	813 813 813 000 02712 00001 00000 35653	MFSK-20/10Bd	(AB/HFD)
XPA	13368	6-8	0640	Mon	813 813 813 000 02712 00001 00000 35653	MFSK-20/10Bd	(AB/HFD)
XPA	10868	8-8	0600	Wed	813 813 813 000 09496 00001 00000 36272	MFSK-20/10Bd	(AB)
XPA	12168	8-8	0620	Wed	813 813 813 000 09496 00001 00000 36272	MFSK-20/10Bd	(AB)
XPA	13368	8-8	0640	Wed	813 813 813 000 09496 00001 00000 36272	MFSK-20/10Bd	(AB)
XPA	10868	13-8	0600	Mon	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	12168	13-8	0620	Mon	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	13368	13-8	0640	Mon	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	10868	15-8	0600	Wed	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	12168	15-8	0620	Wed	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	13368	15-8	0640	Wed	813 813 813 1 00132 00111 84061 ... 89598 09990 05061	MFSK-20/10Bd	(AB)
XPA	10868	20-8	0600	Mon	813 813 813 000 05419 00001 00000 37656	MFSK-20/10Bd	(AB)
XPA	12168	20-8	0620	Mon	813 813 813 000 05419 00001 00000 37656	MFSK-20/10Bd	(AB)
XPA	13368	20-8	0640	Mon	813 813 813 000 05419 00001 00000 37656	MFSK-20/10Bd	(AB)
XPA	10868	22-8	0600	Wed	813 813 813 000 08267 00001 00000 35666	MFSK-20/10Bd	(AB)
XPA	12168	22-8	0620	Wed	813 813 813 000 08267 00001 00000 35666	MFSK-20/10Bd	(AB)
XPA	13368	22-8	0640	Wed	813 813 813 000 08267 00001 00000 35666	MFSK-20/10Bd	(AB)
XPA	10868	27-8	0600	Mon	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)
XPA	12168	27-8	0620	Mon	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)
XPA	13368	27-8	0640	Mon	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)
XPA	10868	29-8	0600	Wed	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)

XPA	12168	29-8	0620	Wed	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)
XPA	13368	29-8	0640	Wed	813 813 813 1 00383 00135 52116 ... 22760 90367 50552	MFSK-20/10Bd	(AB)
XPA2	14372	2-8	0910	Thu	00388 00125 45765 36583 ...	MFSK-16/20Bd	(AB)
XPA2	13372	2-8	0930	Thu	00388 00125 45765 36583 ...	MFSK-16/20Bd	(Danix)
XPA2	12172	2-8	0950	Thu	00388 00125 45765 36583 ...	MFSK-16/20Bd	(Danix)
XPA2	16167	3-8	1900	Fri	03559 00001 00000 40260	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	3-8	1920	Fri	03559 00001 00000 40260	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	3-8	1940	Fri	03559 00001 00000 40260	MFSK-16/20Bd	(AB)
XPA2	14372	4-8	0910	Sat	00388 00125 45765 ... 91109 20942 54065	MFSK-16/20Bd	(AB)
XPA2	13372	4-8	0930	Sat	00388 00125 45765 ... 91109 20942 54065	MFSK-16/20Bd	(AB)
XPA2	12172	4-8	0950	Sat	00388 00125 45765 ... 91109 20942 54065	MFSK-16/20Bd	(AB)
XPA2	16167	4-8	1900	Sat	01423 00001 00000 34653	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	4-8	1920	Sat	01423 00001 00000 34653	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	4-8	1940	Sat	01423 00001 00000 34653	MFSK-16/20Bd	(AB/MDK2)
XPA2	14738	5-8	2000	Sun	08269 00001 00000 36666	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	5-8	2020	Sun	08269 00001 00000 36666	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	5-8	2040	Sun	08269 00001 00000 36666	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	10278	6-8	0700	Mon	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	12178	6-8	0720	Mon	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	13478	6-8	0740	Mon	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	14738	7-8	2000	Tue	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan/RL/HFD)
XPA2	13438	7-8	2020	Tue	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan/HFD)
XPA2	12138	7-8	2040	Tue	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan/HFD)
XPA2	10278	8-8	0700	Wed	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	12178	8-8	0720	Wed	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	13478	8-8	0740	Wed	00131 00201 49400 ... 38049 25117 23630	MFSK-16/20Bd	(AB)
XPA2	14372	9-8	0910	Thu	03306 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	13372	9-8	0930	Thu	03306 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	12172	9-8	0950	Thu	03306 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	16167	10-8	1900	Fri	07586 00001 00000 36667	MFSK-16/20Bd	(AB/MPJ/Dan/HFD)
XPA2	14663	10-8	1920	Fri	07586 00001 00000 36667	MFSK-16/20Bd	(AB/Dan/RL/HFD)
XPA2	13923	10-8	1940	Fri	07586 00001 00000 36667	MFSK-16/20Bd	(AB/Dan/RL/HFD)
XPA2	16167	11-8	1900	Sat	02667 00001 00000 37660	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	11-8	1920	Sat	02667 00001 00000 37660	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	11-8	1940	Sat	02667 00001 00000 37660	MFSK-16/20Bd	(AB)
XPA2	14738	12-8	2000	Sun	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	12-8	2020	Sun	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	12138	12-8	2040	Sun	03253 00091 75875 ... 04200 30688 53762	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	10278	13-8	0700	Mon	03535 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	12178	13-8	0720	Mon	03535 00001 00000 36256	MFSK-16/20Bd	(AB)

XPA2	13478	13-8	0740	Mon	03535 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	14738	14-8	2000	Tue	01968 00001 00000 41657	MFSK-16/20Bd	(AB)
XPA2	13438	14-8	2020	Tue	01968 00001 00000 41657	MFSK-16/20Bd	(AB/RL)
XPA2	12138	14-8	2040	Tue	01968 00001 00000 41657	MFSK-16/20Bd	(AB)
XPA2	10278	15-8	0700	Wed	01968 00001 00000 41657	MFSK-16/20Bd	(AB/HFD)
XPA2	12178	15-8	0720	Wed	01968 00001 00000 41657	MFSK-16/20Bd	(AB/HFD)
XPA2	13478	15-8	0740	Wed	01968 00001 00000 41657	MFSK-16/20Bd	(AB/HFD)
XPA2	11574	15-8	0854	Wed	message i.p.	MFSK16-20Bd	(AB)
XPA2	14372	16-8	0910	Thu	04827 00139 59228 38677 45981 86363 45863 ...	MFSK-16/20Bd	(AB)
XPA2	13372	16-8	0930	Thu	04827 00139 59228 38677 45981 86363 45863 ...	MFSK-16/20Bd	(AB)
XPA2	12172	16-8	0950	Thu	04827 00139 59228 38677 45981 86363 45863 ...	MFSK-16/20Bd	(AB)
XPA2	16167	17-8	1900	Fri	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB)
XPA2	14663	17-8	1920	Fri	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB)
XPA2	13923	17-8	1940	Fri	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB)
XPA2	14372	18-8	0910	Sat	04827 00139 59228 ... 34770 08518 53070	MFSK-16/20Bd	(AB)
XPA2	13372	18-8	0930	Sat	04827 00139 59228 ... 34770 08518 53070	MFSK-16/20Bd	(AB)
XPA2	12172	18-8	0950	Sat	04827 00139 59228 ... 34770 08518 53070	MFSK-16/20Bd	(AB)
XPA2	16167	18-8	1900	Sat	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	18-8	1920	Sat	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	18-8	1940	Sat	00289 00145 34147 77359 96894 55137	MFSK-16/20Bd	(AB)
XPA2	14738	19-8	2000	Sun	04641 00001 00000 34660	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	19-8	2020	Sun	04641 00001 00000 34660	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	19-8	2040	Sun	04641 00001 00000 34660	MFSK-16/20Bd	(AB/Dan)
XPA2	10278	20-8	0700	Mon	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB/AnEur)
XPA2	12178	20-8	0720	Mon	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB/AnEur)
XPA2	13478	20-8	0740	Mon	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB)
XPA2	14738	21-8	2000	Tue	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB)
XPA2	13438	21-8	2020	Tue	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB)
XPA2	12138	21-8	2040	Tue	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB)
XPA2	10278	22-8	0700	Wed	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB)
XPA2	12178	22-8	0720	Wed	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB)
XPA2	13478	22-8	0740	Wed	05015 00185 36290 ... 66650 76364 00326	MFSK-16/20Bd	(AB)
XPA2	11574	22-8	0850	Wed	08785 00115 80814 ... 46912 47241 43463	MFSK16-20Bd	(AB)
XPA2	14372	23-8	0910	Thu	05401 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	13372	23-8	0930	Thu	05401 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	12172	23-8	0950	Thu	05401 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	16167	24-8	1900	Fri	07469 00001 00000 37665	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14663	24-8	1920	Fri	07469 00001 00000 37665	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13923	24-8	1940	Fri	07469 00001 00000 37665	MFSK-16/20Bd	(AB/RL)
XPA2	14372	25-8	0910	Sat	07200 00001 00000 32257	MFSK-16/20Bd	(AB)

XPA2	13372	25-8	0930	Sat	07200 00001 00000 32257	MFSK-16/20Bd	(AB)
XPA2	12172	25-8	0950	Sat	07200 00001 00000 32257	MFSK-16/20Bd	(AB)
XPA2	16167	25-8	1900	Sat	04581 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	25-8	1920	Sat	04581 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	25-8	1940	Sat	04581 00001 00000 34264	MFSK-16/20Bd	(AB)
XPA2	14738	26-8	2000	Sun	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB-FIN/Dan)
XPA2	13438	26-8	2020	Sun	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB-FIN/Dan)
XPA2	12138	26-8	2040	Sun	00501 00087 49827 ... 33921 98464 17204	MFSK-16/20Bd	(AB-FIN/Dan)
XPA2	10278	27-8	0700	Mon	09363 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	12178	27-8	0720	Mon	09363 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	13478	27-8	0740	Mon	09363 00001 00000 34267	MFSK-16/20Bd	(AB/Hutch)
XPA2	14738	28-8	2000	Tue	04813 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	13438	28-8	2020	Tue	04813 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	12138	28-8	2040	Tue	04813 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	10278	29-8	0700	Wed	08960 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	12178	29-8	0720	Wed	08960 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	13478	29-8	0740	Wed	08960 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	14372	30-8	0910	Thu	06851 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	13372	30-8	0930	Thu	06851 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	12172	30-8	0950	Thu	06851 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	16167	31-8	1900	Fri	05424 00001 00000 35257	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	31-8	1920	Fri	05424 00001 00000 35257	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	31-8	1940	Fri	05424 00001 00000 35257	MFSK-16/20Bd	(AB/MPJ)
XSL	4153	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	1-8	0518	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands	F5JBR-J	F5JBR André via remote rx Japan
AB-AUT	Ary Boender via remote rx Austria	GHn	Gary Hagermann, UK
AB-CHN	Ary Boender via remote rx China	HFD	Hans-Friedrich Dumrese, Germany
AB-EST	Ary Boender via remote rx Estonia	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-FIN	Ary Boender via remote rx Finland	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-G	Ary Boender via remote rx UK	HK	Hiroyuki Komatsubara, Japan
AB-HNG	Ary Boender via remote rx Hungary	Hutch	Hutch
AB-IRL	Ary Boender via remote rx in Ireland	JPL	JPL, NB, Canada (and various remote rx)
AB-J	Ary Boender via remote rx Japan	JPL-CHN	JPL via remote rx China
AB-NZL	Ary Boender via remote rx New Zealand	JPL-J	JPL via remote rx Japan
AB-POL	Ary Boender via remote rx Poland	JPL-Sib	JPL via remote rx Siberia
AB-RUS	Ary Boender via remote rx Russia	JU	Jay Updike, W. Europe
AB-UKR	Ary Boender via remote rx Ukraine	Kalv	Kalvados
AnEur	Anonymous Europe	MDK2	MDK2, USA
AtB	Attu Bosch, AK, USA	MPJ	Jim, SW England
Avare	Avare, Russia	MPJ-AUT	Jim via remote rx Austria
BW3	Barry Williams, AL, USA	MPJ-HOL	Jim via remote rx Netherlands
BW3-D	Barry Williams via remote rx Germany	MPJ-I	Jim via remote rx Italy
BW3-GRC	Barry Williams via remote rx Greece	MPJ-RUS	Jim via remote rx Russia
BW3-HOL	Barry Williams via remote rx Netherlands	Phi	Philby
BW3-J	Barry Williams via remote rx Japan	Phi-RUS	Philby via remote rx Russia
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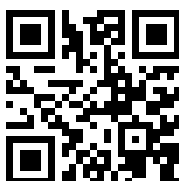
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SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>
UDXF - UTILITY DXERS FORUM <http://www.udxf.nl>
HF UNDERGROUND <http://www.hfunderground.com/board/>
PRIYOM <http://priyom.org/>
ENIGMA <http://www.apul64.dsl.pipex.com/enigma2000/>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

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



N&O



UDXF

