

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	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
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
707	58767	76587	58765	76587	58765	76587	58765	76587	58

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #260, May 2019

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

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

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



- . . . - - - - . . . . . - . . . . . - - - - . . . . . - . . . . .

## FOREWORD

Hi and welcome to N&O #260. Later than normal due to unforeseen circumstances and my vacation.

I copied several M22 messages and followed M51a for a week. I had not done that for a long time. The results are in the M51a section.

We heard a lot of exercise traffic from Russian intelligence agencies this month. Check the Russian diplomatic / intelligence and XPA1/XPA2 sections for more details.

The Priyom team extended the Polish F03 and P03 designator series. See the Polish Digital Modes section for more information.

Further the usual collection of logs and transcripts submitted by various monitors. Thanks for that !!

---

## VOICE STATIONS

### E06

#### **14565/16125 kHz, 02-05/03-05, 0500/0600 UTC**

460 381 59  
67169 17953 40162 19236 64527 84594 97913 54160 32312 75956  
25031 81803 33462 09546 98086 02227 59228 96372 20939 53725  
71180 69753 62484 67391 32771 61865 33200 18529 10133 26497  
92626 32841 46807 31422 05002 33355 42079 68846 85229 38996  
87619 57350 02362 50763 42111 33779 32793 86439 48551 58512  
80344 49779 23922 82543 23659 74582 71952 75931 15843  
381 59 00000

#### **5938 kHz, 02-05, 2030 UTC**

724 970 44  
53067 42412 12464 78912 87463 94712 18514 02953 38414 13202  
42325 23285 15802 65245 87462 36425 18635 75742 14712 84853  
98520 32210 53746 87582 11532 37595 68553 23462 73659 65847  
95350 37473 27624 17923 54332 81620 81244 41265 96183 32874  
66753 78203 80329 38935  
970 44 00000

#### **5731 kHz, 03-05, 2130 UTC**

315 970 44  
53067 42412 12464 78912 87463 94712 18514 02953 38414 13202  
42325 23285 15802 65245 87462 36425 18635 75742 14712 84853  
98520 32210 53746 87582 11532 37595 68553 23462 73659 65847  
95350 37473 27624 17923 54332 81620 81244 41265 96183 32874  
66753 78203 80329 38935  
970 44 00000  
Windows shut down sound

#### **14565/16125 kHz, 16-05/17-05, 0500/0600 UTC**

460 293 57  
21841 83428 75591 70839 12349 27844 97972 88935 55741 26608  
74524 54030 36141 19547 75460 47628 87306 84121 06415 64581  
91870 50358 76872 24070 79498 10417 41742 46209 53669 71215  
58253 05312 01750 23571 25384 95756 68062 26272 97988 71379  
94622 28533 92822 44352 59245 79267 28649 54454 65699 96613  
67611 44711 65601 96146 50069 04301 16734  
293 57 00000

**16034 kHz, 15-05/16-05, 1500 UTC**

**On 16-05: E06a followed by E06**

548 706 2 11111 00059 706 2

548 129 67

23424 36413 69905 59727 43711 78363 52046 81502 53548 60366

66xx7 74529 31203 28324 89971 39659 26608 35302 8038x 98142

95219 79551 08647 79909 33144 48897 25380 70531 05717 32395

62753 40320 86730 85221 02681 03986 50498 57719 65796 84306

83927 24543 00928 78230 10809 74833 79744 48870 45497 49379

26270 91795 18169 35669 35937 49098 38862 56807 63894 69634

92456 15210 87226 38902 81817 77015 70795

129 129 67 67 00000

**M14, 6876 kHz, 17-05, 2000 UTC**

735 735 735 00000

**Switched to E06 voice at 2009 UTC**

111 111 111 00000

**16032/13489 kHz, 23-05, 1600/1700 UTC**

216 789 43

19511 08317 22487 16397 88206 18235 46747 23467 14416 13627

95735 80005 12407 66692 09712 58670 77279 86984 81735 26199

24923 39963 44159 44622 41841 14858 01703 05394 99523 15290

78301 32354 13062 71078 69901 14498 48682 94680 20413 54446

09899 30701 62981

789 43 00000

**E06a**

**16034 kHz, 16-05, 1500 UTC**

548 706 2 11111 00059 706 2

Followed by a message. See E06.

**E07**

**9064/10264/11464 kHz, 02-05/04-05/05-05/09-05/11-05/12-05, 1300/1320/1340 UTC**

**9064/10264/11464 kHz, 04-05/05-05/11-05/12-05, 0600/0620/0640 UTC**

**11464 kHz, 04-05, 0740 UTC stopped after group 16 and restarted with group 9**

024 024 024 1 297 73 297 73

39552 61383 93531 18756 16186 58457 83626 89505 13621 71502

49949 12343 12675 13340 36838 56752 69808 29217 60755 86344

42185 25777 13183 03551 49591 89130 98597 74063 03535 14883

93635 03192 43195 44606 08077 59435 76306 12275 09616 52634

19183 41854 97668 89842 55170 01470 06559 24085 65925 08999

02390 16492 03707 62342 64498 06016 71415 32364 43093 10365

91102 62238 98637 97100 45256 96470 80236 47709 05889 66025

78023 20081 09737 000 000

**19659/17459/16159 kHz, 03-05, 1100/1120/1140 UTC**

641 641 641 1 252 40 252 40

51475 45887 65781 01362 34034 40125 72715 65764 46316 03790

17547 69607 75702 31734 22747 65732 17783 30315 41750 67893

77524 45493 41383 57931 53249 54251 29931 92887 78113 43493

11008 53161 81763 74390 36358 16524 26159 90169 12737 69761

000 000

**13934/12134/10934 kHz, 05-05, 1700/1720/1740 UTC**

919 919 919 1 226 69 226 69  
94091 48990 30074 33403 23533 88810 87071 65890 84684 51533  
93665 61521 07399 17678 63531 66186 98378 67691 49477 27967  
86402 47198 51300 57356 07631 90460 56328 84957 85792 64737  
31234 72519 18150 84089 63220 01827 83015 00567 08405 18911  
28679 04358 62832 43228 47969 83213 17241 31954 41966 93165  
00819 20361 61497 33997 90368 04212 80362 14857 26267 85499  
23356 86418 54152 70946 68761 28163 70081 12772 71645  
000 000

**16246/18446/19246 kHz, 10-05, 0700/0720/0740 UTC**

242 242 241 1 395 58 395 58  
32120 13420 28467 55793 77076 32376 04797 59527 83846 01724  
64912 11152 42846 41069 17611 32993 63934 15507 44561 77365  
61847 00557 88322 26725 14502 53418 30797 24361 15784 59743  
84100 65558 93120 51564 54194 11177 16373 24468 32351 07120  
14870 89577 78131 82212 87311 27574 85821 50692 58234 69793  
78042 10950 72564 40999 39665 41819 64383 19031 000 000

**19659/17459/16159 kHz, 14-05/17-05, 1100/1120/1140 UTC**

641 641 641 1 171 76 171 76  
58954 03425 36633 69659 40377 23898 98191 13458 06637 15399  
93077 88582 42386 26404 80897 28411 38275 34936 52656 93062  
57240 21640 53829 90200 09631 36552 84313 67345 33825 94905  
12471 27253 54283 61101 53762 14797 00216 18643 84531 69225  
50471 82635 58961 96983 06557 71071 39172 75516 36544 84575  
16955 11274 93729 59561 55306 51312 40303 10079 29974 82510  
85935 88642 47375 51312 89857 74939 52702 67418 85735 22883  
14772 92985 94585 19494 83902 06883 000 000

**15836/14536/13536 kHz, 16-05/18-05, 1410/1430/1450 UTC**

157 157 157 1 333 107 333 107  
38457 22551 56917 64846 16758 92971 32566 42237 67931 55730  
72496 06446 05590 39010 70323 50775 43823 95231 36436 29985  
31324 59154 23694 13196 73430 14906 36803 61044 09879 80346  
02745 48959 07583 92351 70520 14334 21680 00054 38188 66654  
30017 62931 58974 29975 50189 60016 82608 28660 08865 05464  
62065 12428 70594 12703 69061 52898 45327 98476 07979 26038  
55958 66035 12869 01839 17669 59853 41740 30221 81488 43568  
88234 53127 80430 22251 62239 82709 62331 81415 87168 92606  
62923 04330 65099 47940 46107 48459 44498 63246 61750 95261  
71567 20137 28175 90125 15492 20071 15878 26857 64427 37504  
37026 71582 41265 16277 23819 06083 55931 000 000

**13934/12134/10934 kHz, 19-05/22-05, 1700/1720/1740 UTC**

919 919 919 1 419 85 419 85  
10896 67661 39781 92539 74356 65333 42529 35950 94790 77643  
69614 42496 28107 46565 79016 43665 28334 04899 24996 22156  
27825 75959 04420 04401 09204 02786 96983 55261 22843 18481  
71036 77401 79221 65703 32575 30230 36549 55301 50004 87779  
98282 59927 38517 80713 50978 38514 35372 69153 45717 92892  
97847 28883 38381 33815 86448 90453 11766 76890 93975 80881  
39646 22078 36962 52871 83046 62363 11019 27813 73283 28673  
93140 68248 67671 52740 84155 28607 04483 83476 18797 23422  
51346 19339 13052 79439 72860 000 000

**16246/18446/19246 kHz, 21-05/24-05, 0700/0720/0740 UTC**

242 242 242 1 395 58 395 58

32120 13420 28467 55793 77076 32376 04797 59527 83846 01724  
64912 11152 42846 41069 17611 32993 63934 15507 44561 77365  
61847 00557 88322 26725 14502 53418 30797 24361 15784 59743  
84100 65558 93120 51564 54194 11177 16373 24468 32351 07120  
14870 80577 76131 82212 87311 27574 85821 50692 58234 69793  
78042 10950 72564 40999 39665 41819 64363 19031 000 000

**19659/17459/16159 kHz, 28-05/31-05, 1100/1120/1140 UTC**

641 641 641 424 154 424 154

21758 60546 13290 60026 03872 55997 02844 62450 07988 43888  
02490 94243 00943 53869 49855 87731 29533 73756 39423 72657  
28501 64435 37612 38928 19921 85431 10769 83147 76907 16612  
64509 51622 56760 69442 92267 75724 93056 72490 41085 60702  
67752 36738 71863 18587 04878 57264 35883 57029 22434 11170  
33013 89151 40190 71344 77758 34461 60635 22584 51087 89044  
53776 53436 69925 45720 79506 71232 27978 17389 07389 66038  
20516 59090 64754 41068 57406 30979 40587 11800 30246 77965  
86571 38786 50515 56035 89676 90882 73675 63483 35090 76400  
75874 34490 05189 86410 12264 46572 35496 11929 07932 28376  
59091 06693 07647 74578 45092 72690 43004 81054 66572 67551  
77113 35917 73075 02592 66688 51870 07420 39464 67268 92404  
86519 72666 61188 38957 84472 85395 64020 66440 91651 93330  
88093 23186 26111 09405 57857 04938 08865 32078 84236 93908  
87987 16925 61285 18521 99969 28703 73460 41439 78201 99312  
61652 05849 71753 66033 000 000

**15836/14536/13536 kHz, 30-05, 1410/1430/1450 UTC**

157 157 157 1 5559 86 5559 86

12354 27613 90220 55746 96862 73969 39057 10692 42914 45662  
19861 05619 97153 27918 61447 44665 90401 85934 78187 34252  
91124 76541 26251 79078 10916 04060 74538 06197 87110 47705  
80111 46892 70690 24341 74202 40388 70277 98406 93548 12174  
61114 42266 97162 63852 15785 38932 00882 54199 87191 97357  
92552 20375 84373 77966 10860 11969 47796 85330 72042 48270  
75794 62448 06734 99606 01205 85357 31694 28339 80359 10746  
63238 53781 50051 19854 00732 54630 54094 65931 72622 74539  
17158 22218 86948 15326 28558 61698 000 000

**E11a**

**4783 kHz, 01-05/04-05, 1705 UTC**

394/32 Attention

70228 58090 59941 80965 56748 83133 95676 33769 94161 06541  
79472 76405 77929 33115 95559 85467 50060 43685 33406 52340  
78365 44187 31171 57854 64992 51394 73739 80059 39954 74887  
02578 16667

Attention (message repeated) Out

**7984 kHz, 01-05/04-05, 1730 UTC**

406/32 Attention

29241 51157 78061 46333 73463 23835 27319 39013 28637 26387  
78063 80236 79696 18146 03150 36666 93716 18765 78481 92908  
15053 74385 64494 95250 08045 74428 75352 14125 57570 38751  
67923 63089

Attention (message repeated) Out

**14410 kHz, 06-05/12-05, 1745 UTC**

246/39 Attention

06122 22358 81929 10164 06912 26158 13144 82405 28998 00652  
25882 86680 42586 23060 24474 25592 26097 02592 77721 08063  
80158 87756 73684 04353 86984 49038 41554 42507 05993 84989  
75428 01960 01239 13646 42529 97437 51404 11890 72312

Attention (message repeated) Out

**10429 kHz, 07-05/10-05, 0715 UTC**

637/39 Attention

43346 23567 71780 62395 99975 38666 32632 19969 88555 16146  
62775 51756 23994 42908 09136 40442 26486 25694 32424 25379  
04729 29608 26854 65237 87320 19642 65835 38035 71617 45379  
07350 20168 36459 55306 28090 28793 54104 67627 62399

Attention (message repeated) Out

**17378 kHz, 07-05, 0820 UTC**

134/36 Attention

97536 48676 85708 22419 45976 56958 10161 69060 63699 51474  
82411 98713 58384 21485 45251 57100 74530 18852 98690 75022  
57827 77371 70122 59382 04316 14476 66870 30536 67022 27693  
21754 34678 84333 02212 57493 41924

Attention (message repeated) Out

**6304 kHz, 07-05, 1205 UTC**

465/31 Attention

59749 46993 60302 60379 49475 21638 23215 28280 10759 52282  
89822 14858 18353 85692 76877 17438 25137 14244 70115 76378  
44980 29085 33595 30197 94889 80241 55413 98301 63401 44604  
91659

Attention (message repeated) Out

**4783 kHz, 07-05, 1605 UTC**

235/40 Attention

42325 51004 53393 14588 94422 25412 78923 97432 44281 34350  
72660 35109 78584 41242 21663 32345 63927 76699 31524 99400  
68401 27555 95306 07318 03786 41752 00622 72925 16375 99049  
84084 51165 27196 77949 54236 13793 31628 65366 25614 12149

Attention (message repeated) Out

**14575 kHz, 07-05/09-05, 1645 UTC**

334/39 Attention

49034 89505 18675 68333 74552 96877 84891 28967 97385 34503  
21844 80828 89977 36791 17412 34900 30413 30577 87622 06705  
34037 77075 04464 62539 69666 66774 17507 55089 32495 28045  
61701 56358 57056 15090 64103 34104 61888 72172 20871

Attention (message repeated) Out

**6304 kHz, 08-05, 1205 UTC**

465/31 Attention

59749 46993 60302 60379 49475 21638 23215 28280 10759 52282  
89822 14858 18353 85692 76877 17438 25137 14244 70115 76378  
44980 29085 33595 30197 94889 80241 55413 98301 63401 44604  
91659

Attention (message repeated) Out

**5737 kHz, 11-05/12-05, 0805 UTC**

313/36 Attention

96187 77754 39847 16710 94958 10869 15532 26083 76432 34220  
52144 98493 94127 96959 29817 62646 31061 76235 81644 63315  
04983 67861 20426 61021 48091 84627 74817 89650 60715 82217  
31175 07548 69278 73316 69800 28013

Attention (message repeated) Out

**5082 kHz, 11-05/12-05, 1930 UTC**

369/33 Attention

70899 82974 88433 66780 29389 90909 07706 92237 33933 05827  
23716 46631 59241 59250 67504 69950 75017 19861 26126 22344  
06088 45702 78589 01748 93794 76010 03311 82600 56985 01488  
41391 80155 80056

Attention (message repeated) Out

**15800 kHz, 13-05/15-05, 0640 UTC**

941/25 Attention

71343 57356 25002 01867 17313 98668 26128 36925 21423 35673  
19420 97254 35620 28693 55041 66487 67830 45581 38841 00211  
40419 35223 34048 83008 29149

Attention (message repeated) Out

**7439 kHz, 13-05/15-05, 0900 UTC**

534/37 Attention

64253 75520 24816 41510 54749 82236 28250 44781 28216 83784  
79873 13968 64352 47927 89665 62131 17385 26587 59389 87909  
68861 46526 14405 52241 33047 55268 68667 05363 46688 07056  
31984 44276 08886 85433 47392 80393 65940

Attention (message repeated) Out

**8545 kHz, 13-05/15-05, 1045 UTC**

692/35 Attention

35103 31129 50657 22484 82294 98216 96570 31064 61807 20353  
12592 72742 73126 83020 95742 09211 55188 58753 00359 98828  
78051 18184 97910 67383 31574 10295 01457 37536 14839 24859  
06221 46199 68741 32908 19032

Attention (message repeated) Out

**13424 kHz, 14-05/16-05, 0645 UTC**

512/40 Attention

20162 01680 15842 82856 01285 68208 53273 37379 03189 58723  
16009 35175 23362 26521 68242 61804 84621 86357 25074 76332  
58574 76666 86806 39236 04763 85636 09141 04321 42962 05021  
42898 79082 79529 35806 78703 48089 98321 01446 63188 38133

Attention (message repeated) Out

**12984 kHz, 14-05/18-05, 1345 UTC**

912/31 Attention

98246 31267 25096 89173 30913 65015 72739 14972 12159 42219  
15248 69563 50113 95995 66140 76322 83808 89662 91504 02159  
19753 77793 15560 05688 90748 88531 09356 05804 07516 31829  
33923

Attention (message repeated) Out

**7863 kHz, 15-05/19-05, 1625 UTC**

976/40 Attention

65843 02190 85273 42797 41473 43393 38346 83476 93080 86035  
98976 43914 84929 14931 64272 51223 49028 30268 14047 99056  
68467 25662 50342 63515 24687 18975 65912 92491 02809 15925  
09253 71994 34652 96541 16540 01146 22930 36919 59423 00275

Attention (message repeated) Out

**12630 kHz, 16-05, 1925 UTC**

556/39 Attention

11098 42223 60963 07685 22539 93764 56059 84953 27838 43534  
93746 93398 01113 88398 97153 62068 49555 80418 08871 62066  
99622 99831 51337 12818 44058 23695 32685 53031 41055 93246  
19329 56787 19840 76177 00412 73693 97318 11774 39270

Attention (message repeated) Out

**9610 kHz, 17-05/19-05, 1910 UTC**

618/34 Attention

92199 63753 34818 34974 91946 74696 82731 60627 19919 45211  
56587 72962 83897 86506 81076 21459 63324 75022 30132 64178  
56162 76793 44201 41831 22003 60848 48793 53879 84756 11540  
17372 25677 88598 54496

Attention (message repeated) Out

A nice coincidence on 19-05: the broadcasting station on the same frequency played Ciocârlia at the same time that E11a was transmitting. This was the tune of V01.

**14415 kHz, 20-05/23-05, 0600 UTC**

182/26 Attention

63587 69697 72219 57386 29371 49519 18244 31914 03914 56479  
70058 69086 31419 41938 20999 21640 10377 96160 45355 18776  
81664 34643 00405 24650 12524 56640

Attention (message repeated) Out

**9610 kHz, 20-05, 0745 UTC**

269/34 Attention

57236 92936 96672 06358 37007 32721 93247 28366 74348 61783  
74008 43593 84707 42169 11213 48306 25565 61941 48615 94285  
26982 37739 29340 31892 52590 54566 42518 36315 59481 17489  
23816 29846 57804 03439

Attention (message repeated) Out

**7600 kHz, 20-05/23-05, 1900 UTC**

643/35 Attention

90954 53582 98526 06393 53734 82202 83914 00096 60202 26207  
63665 40649 55238 87983 29908 86218 91420 35567 53983 63908  
74742 03502 67905 45257 61394 43215 37210 04805 97862 16732  
69560 60244 82501 17717 04624

Attention (message repeated) Out

12397 kHz, 21-05/24-05, 1000 UTC,

304/28 Attention

47800 52465 54456 45800 55875 17186 77379 18444 90043 27228  
43604 82839 03177 51790 25119 60562 80650 59109 01769 82440  
64217 78137 01482 40083 19758 39596 54560 78085

Attention (message repeated) Out



**10356 kHz, 23-05, 1530 UTC**

269/34 Attention

57236 92936 96672 06358 37007 32721 93247 28366 74348 61783  
74008 43593 84707 42169 11213 48306 25565 61941 48615 94285  
26982 37739 29340 31892 52590 54566 42518 36315 59481 17489  
23816 29846 57804 03439

Attention (message repeated) Out

**6849 kHz, 24-05, 0435 UTC**

359/34 Attention

97157 94696 31616 45086 09166 66979 15344 13029 56691 71054  
54306 24589 64934 69981 08754 95301 29459 75257 25647 56184  
62911 88630 80555 35316 35486 10582 96330 13341 78676 19368  
38335 52457 40245 11843

Attention (message repeated) Out

**8680 kHz, 24-05, 0700 UTC**

575/38 Attention

51089 45467 04898 04764 51401 12627 19748 52468 41179 20848  
45112 28410 61366 79067 21762 25403 51163 36104 88455 18146  
12772 99889 98993 57365 53294 64268 79081 01530 48009 62441  
67719 38838 97904 44519 11825 44209 60943 97305

Attention (message repeated) Out

**14940 kHz, 24-05/26-05, 1650 UTC**

927/32 Attention

01130 67009 60714 68640 14168 28681 93651 99745 52407 78965  
07175 22723 98201 85952 57515 55976 93956 93553 07354 10790  
30638 40344 70485 78276 26167 75906 71091 92832 68071 22695  
44026 80897

Attention (message repeated) Out

**6480 kHz, 25-05, 0710 UTC**

498/31 Attention

53195 12600 23391 75353 15722 36094 27586 98012 11133 36908  
33101 54189 42822 29345 58669 23595 48652 56960 01073 54707  
24505 25216 26810 10577 19939 26143 61408 67015 68500 52629  
14299

Attention (message repeated) Out

**5409 kHz, 27-05/31-05, 1530 UTC**

528/34 Attention

20265 85455 95054 71789 62721 65635 07510 75638 54068 27465  
66377 65382 41630 58998 98372 00642 28616 09765 70879 81754  
75494 49197 39148 59209 74062 69675 83013 02650 61161 21315  
93285 90883 19819 28605

Attention (message repeated) Out

**12153 kHz, 28-05, 0845 UTC**

152/39 Attention

72153 41809 12027 08398 69669 03303 27483 60307 12389 49377  
20678 28743 07412 24571 89754 87388 52599 49457 11464 28313  
79979 43648 41767 90549 73649 03395 24928 35172 82176 84227  
25341 95527 30751 23935 73976 37613 56694 42176 21047

Attention (message repeated) Out

**6923 kHz, 29-05, 0930 UTC**

277/32 Attention

09605 03474 39613 37064 41449 82125 78712 85571 01121 59656  
 12648 29642 92971 01979 30895 74247 54474 06536 72992 84941  
 31529 21634 08513 13174 57523 19074 62148 15554 00147 88526  
 41278 38996

Attention (message repeated) Out

**8545 kHz, 29-05, 1045 UTC**

699/47 Attention

05308 50705 20865 84862 01052 14235 89380 95878 46128 02147  
 91584 29899 84945 32141 06473 02064 47495 32787 97251 08621  
 49624 58483 00239 52772 42912 44061 26554 75761 16311 30925  
 62522 36635 43672 11020 27946 13492 66118 10189 65188 05460  
 95524 58544 77734 74257 17227 46145 15607

Attention (message repeated) Out

**8088 kHz, 30-05, 1730 UTC**

414/34 Attention

88205 20634 80586 63005 25718 59145 14973 91561 01401 01393  
 15524 87867 18531 46559 42579 33957 95698 65722 57065 78452  
 67925 12020 39801 00162 51105 53131 32957 52832 04158 84213  
 27212 23602 73714 36246

Attention (message repeated) Out

**E17z****16780/12850 kHz, 02-05/09-05, 0800/0810 UTC**

674 953 8 15339 91460 26995 97723 99626 84780 98956 43258 953 8 00000

**16780/12850 kHz, 16-05/23-05, 0800/0810 UTC**

674 928 5 48915 01856 64045 42757 01171 928 5 00000

**16780/12850 kHz, 30-05, 0800/0810 UTC**

674 674 674 00000

**G06****6887 kHz, 09-05, 1830 UTC**

842 472 52

12265 10965 47839 38654 84677 93453 62217 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  
 472 52 00000

**5928 kHz, 10-05, 1930 UTC**

218 472 52

12265 10965 47839 38654 84677 93453 62217 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  
 472 52 00000

**6887 kHz, 23-05, 1830 UTC**

842 973 48

90874 56432 12456 78902 62345 75136 98746 20036 94851 47563  
 87547 21465 97549 79431 34727 56464 42134 67975 45703 06161  
 13464 97313 45457 23134 64790 90943 20246 46464 15454 54413  
 24124 17946 74562 47563 20021 06516 25761 62357 65419 47234  
 12334 12341 32566 77897 78574 56546 45442 45678  
 973 48 00000

**5952 kHz, 24-05, 1930 UTC**

218 973 48

90874 56432 12456 78902 62345 75136 98746 20036 94851 47563  
 87547 21465 97549 79431 34727 56464 42134 67975 45703 06161  
 13464 97313 45457 23134 64790 90943 20246 46464 15454 54413  
 24124 17946 74562 47563 20021 06516 25761 62357 65419 47234  
 12334 12341 32566 77897 78574 56546 45442 45678  
 973 48 00000

**S06c**

5448 kHz, 28-05, 1130 UTC: 11202 (R4)

**S11a****11092 kHz, 08-05/11-05, 1540 UTC**

563/31 Vnimanaye

24996 62031 83611 59686 92641 33217 11051 01395 64018 83040  
 85222 76533 95977 65317 08279 41848 04323 89125 71661 61227  
 95791 79622 30041 32980 73751 47528 00486 57628 17441 51675  
 86087

Vnimanaye (message repeated) Konets

**5082 kHz, 20-05/24-05, 0915 UTC**

482/35 Vnimanaye

75869 41232 41819 74571 02093 72979 01263 95302 62103 31772  
 71096 80115 70368 02956 31709 63856 04693 74485 82268 56723  
 97846 32713 00612 37505 21169 67290 23515 97845 55162 16809  
 00246 40896 46267 37087 60858

Vnimanaye (message repeated) Konets

**6977 kHz, 21-05/24-05, 1020 UTC**

420/34 Vnimanaye

98323 39124 45814 16519 35570 69828 52176 11631 78937 24068  
 51859 30663 73279 45643 71767 75981 63582 48540 94164 93141  
 57435 46964 68607 54973 61550 87178 04104 50432 81990 72235  
 35272 93192 00757 60598

Vnimanaye (message repeated) Konets

**5149 kHz, 22-05/24-05, 1100 UTC**

373/35 Vnimanaye

09866 42161 01479 45577 97676 04296 71446 71937 25771 87650  
 57830 30409 49886 28799 67074 23484 99632 69011 10755 45002  
 21867 67535 41606 91425 83801 40760 04447 55409 90108 23650  
 07605 32523 37055 58244 23407

Vnimanaye (message repeated) Konets

**12457 kHz, 22-05/25-05, 1850 UTC**

285/33 Vnimaliye

70911 65412 72212 37327 72174 73005 40168 99649 30400 01289

53246 76418 45376 68253 65657 27937 91546 55348 45331 84473

15568 35103 75232 39039 22540 97040 44018 09081 92503 18724

10736 31905 72907

Vnimaliye (message repeated) Konets

**5844 kHz, 24-05, 0455 UTC**

321/38 Vnimaliye

64791 60964 98368 95215 04210 65697 29988 35582 15220 18041

73289 63879 60776 78721 24095 84282 63668 62817 87344 67290

50825 45271 50118 56866 32600 42498 48408 09346 29851 53268

91929 02892 25862 49581 44497 19563 27968 36142

Vnimaliye (message repeated) Konets

**V15 via PBS Pyongyang Pansong**

6400 kHz, 18-05, 1443 UTC, AM

657//3320 kHz, 30-05, 1545 UTC, AM

657//3320 kHz, 30-05, 1545 UTC, AM

**MORSE STATIONS****MX - Russian Military beacons**

Beacons and markers reported in May.

D 4557.7, 5153.7, 7508.7, 10871.7, 13527.7, 16331.7, 20047.7

A 4558.1, 5154.1, 7509.1, 10872.1, 13528.1

L 5156.8, 8497.8

C 10872, 13528, 16332

S 10871.9, 13527.9

V 4031, 5094, 5466

M 5154.4

F 5154.2

**M01****5280 kHz, 02-05, 1800 UTC**

025 315 315 = 30 30 = =

11288 12933 32959 50884 58384 64534 25380 24660 21781 23544

86394 67871 87056 26137 40231 90732 48194 50936 35972 22487

56792 00366 66711 00553 92761 48388 61267 90867 06599 21919

= = 315 315 = 30 30 000

**4905 kHz, 02-05, 2000 UTC**

025 133 133 = 30 30 = =

87171 38575 26096 38369 86117 80402 70838 68716 39488 04763

40700 29196 41198 17231 20056 37620 73547 46878 38693 25036

04279 63073 96862 30568 50401 54700 84594 51667 42013 53596

= = 133 133 = 30 30 000

**6780 kHz, 05-05, 0657 UTC:** VVV VVV

**6780 kHz, 05-05, 0700 UTC. Errors.**

025 816 816 39 39

63954 21958 38482 24145 462 68987 12671 64587 48132 00460

81755 07040 33788 82900 70520 65691 20669 53449 22168 72206

93896 03254 16801 80017 16744 23482 76070 81019 92301 17996

= = 816 816 30 30 000

**5280 kHz, 07-05, 1800 UTC**

025 987 987 30 30 = =

63954 21958 38482 42145 46226 68987 12671 64587 48132 00760

81755 07040 33788 82900 80520 65691 20669 53449 22168 72206

93896 03254 16081 80019 16744 32482 76070 81019 92301 17996

= = 987 987 30 30 000

**4905 kHz, 07-05, 2000 UTC,**

025 642 642 30 30 = =

73960 69180 44300 37121 19922 17775 85124 17270 83103 45994

72571 01932 87451 72909 55961 78832 65249 66157 04587 61639

89229 04134 04429 38697 29606 74153 81584 82115 21079 69327

= = 642 642 30 30 000

**5280 kHz, 02-05, 1800 UTC. Errors; 29 groups sent**

025 121 121 30 30 = =

64328 00979 96969 32359 47335 64608 88030 95104 13155 76804

23875 97869 59402 25043 66482 33043 24854 29176 14625 06038

44494 90001 30775 57970 68516 09361 99354 86057 13078

= = 11 12 0000

**4905 kHz, 09-05, 2000 UTC. Errors**

025 127 127 30 30 = =

24874 62516 43294 74179 85995 77143 79746 05780 92500 08891

42547 34775 95680 36334 07632 66381 28419 06390 21835 53787

27184 11341 90856 77614 69427 90289 01581 22870 64275 17048

= 127 127 330 30 000

**6780 kHz, 12-05, 0700 UTC**

025 994 994 30 30 = = =

96242 41369 09710 54770 47187 12427 81330 39104 31469 19327

49301 30384 81568 07348 35478 95560 60266 18552 16385 11665

75456 89874 49934 55870 65221 30064 46653 02393 44636 91293

= = = 994 994 30 30 000

**5280 kHz, 14-05, 1800 UTC**

025 137 137 = 30 30 = =

34605 16156 74803 28855 49923 58484 79384 51605 18651 81401

14148 12263 01082 15426 34116 46786 02823 72669 74857 45167

97595 55781 00042 82251 33169 59175 82303 13679 98557 40132

= = 137 137 = 30 30 000

**4905 kHz, 14-05, 2000 UTC**

025 395 395 = 30 30 = =

41513 54509 63006 44304 33596 85807 09035 32578 44125 49612

74615 89932 24513 41351 80496 78311 81560 53127 21561 44584

47270 24180 32409 72395 88430 09195 91547 71017 49499 73746

= = 395 395 = 30 30 000

**5280 kHz, 16-05, 1800 UTC**

025 837 30 30 = = = =  
20454 24042 44587 20487 08527 35501 94507 72251 72489 53696  
26063 21462 85215 70331 57500 62904 09538 59398 55188 18619  
78057 19286 17992 09298 69443 27626 50331 65245 41229 34822  
= = = = 837 837 30 30 000

**4905 kHz, 16-05, 2000 UTC**

025 821 821 30 30 = = = =  
38414 39489 79783 88878 03015 27151 07202 38527 02387 30272  
06353 39850 13362 94488 76542 44298 78961 55738 65906 80888  
82649 93490 66712 75205 50785 52360 77230 39179 78924 07898  
= = = = 821 821 30 30 000

**6780 kHz, 19-05, 0700 UTC**

025 397 397 30 30 = =  
46782 65285 60837 66431 04538 12131 35705 64148 35812 88002  
33824 83590 93641 40113 03585 73858 22267 50018 90220 83103  
89328 42346 21065 63948 15393 85230 52791 33217 33400 20823  
= = 397 397 30 30 000

**4905 kHz, 21-05, 2000 UTC**

025 211 211 30 30 //  
44159 68353 81170 22044 25382 71633 95695 53726 02569 39795  
15721 33719 03234 66339 10451 30741 50112 87553 29136 91591  
94904 09126 84895 76993 06191 41271 84349 41617 90572 71305  
// 211 211 30 30 000

**5280 kHz, 23-05, 1800 UTC**

025 303 303 30 30 = =  
87231 53816 81471 65502 90812 66596 45736 84192 61604 20501  
10735 60922 33861 12621 49856 83159 94159 20893 71392 57134  
61513 17913 35914 91135 66803 83913 24442 60988 43167 13981  
= = 303 303 30 30 000

**4905 kHz, 23-05, 2000 UTC**

025 845 845 30 30 = =  
17863 72003 79821 50126 32774 49487 91278 53965 19636 16589  
46654 66793 69822 89115 48398 98946 02672 32732 89907 09129  
11513 93457 76691 60188 94670 53364 62280 67665 33268 83515  
= = 845 845 30 30 000

**6435 kHz, 25-05, 1500 UTC**

025 219 219 30 30 = =  
80490 60653 90916 85544 85468 20132 92184 42963 26882 29687  
21138 52717 36511 33799 02162 34203 34904 80117 83654 96218  
43521 96149 70202 16540 43318 76569 89059 17544 60578 99676  
= = 219 219 30 30 000

**5280 kHz, 28-05, 1800 UTC**

025 169 169 30 30 = = = =  
47458 03268 85967 29890 31795 94797 02506 90393 98367 18911  
91925 85280 04954 30817 65655 71049 74521 94465 36875 50642  
47570 15050 80364 18985 89186 42966 45832 92186 97530 54859  
= = = = 169 169 30 30 000

**5280 kHz, 30-05, 1800 UTC. Different repeat between brackets**

025 453 453 30 30 = =  
 66941 99850 79248 32020 44167 75104 48713 56417 92573 58552  
 43638 (53646) 11753 45235 10167 13290 13290 51251 41785 26428  
 62728 55354 98917 30752 53278 43353 72930 69326 29173 56336  
 30739  
 = = 453 453 30 30 000

**4905 kHz, 30-05, 2000 UTC**

025 901 901 30 30 = =  
 94353 16747 14184 40794 46681 97915 08395 54235 23437 53505  
 24447 43426 63035 52790 42197 33716 32295 94237 65685 94429  
 63490 86564 72625 98232 80131 04758 75389 98678 37566 63689  
 = = 901 901 30 30 000

**M01b**

Note: on 9 and 10-5 M01b used CW instead of MCW which improved the readability.

**5095//5760 kHz, 02-05/16-05/23-05/30-05, 1830 UTC**

815 157 157 = 31 31 = =  
 04381 35035 53986 36146 97261 61184 92412 63653 00644 28498  
 57672 44300 60537 69013 71483 41008 27836 27857 55343 25936  
 91004 80456 23577 87094 56453 89843 71342 67137 84206 53323  
 51907  
 = = 157 157 31 31 000

**5065//5805 kHz, 02-05/23-05/30-05, 1940 UTC**

936 157 157 = 31 31 = =  
 04381 35035 53986 36146 97261 61184 92412 63653 00644 28498  
 57672 44300 60537 69013 71483 41008 27836 27857 55343 25936  
 91004 80456 23577 87094 56453 89843 71342 67137 84206 53323  
 51907  
 = = 157 157 31 31 000

**5075//5465 kHz, 03-05/10-05/17-05/24-05/31-05, 1902 UTC**

336 157 157 = 31 31 = =  
 04381 35035 53986 36146 97261 61184 92412 63653 00644 28498  
 57672 44300 60537 69013 71483 41008 27836 27857 55343 25936  
 91004 80456 23577 87094 56453 89843 71342 67137 84206 53323  
 51907  
 = = 157 157 31 31 000

**5125//5735 kHz, 06-05/13-05/20-05/27-05, 1810 UTC**

364 157 157 = 31 31 = =  
 04381 35035 53986 36146 97261 61184 92412 63653 00644 28498  
 57672 44300 60537 69013 71483 41008 27836 27857 55343 25936  
 91004 80456 23577 87094 56453 89843 71342 67137 84206 53323  
 51907  
 = = 157 157 31 31 000

**5150//5475 kHz, 06-05/13-05/20-05/27-05, 1915 UTC**

858 157 157 = 31 31 = =  
 04381 35035 53986 36146 97261 61184 92412 63653 00644 28498  
 57672 44300 60537 69013 71483 41008 27836 27857 55343 25936  
 91004 80456 23577 87094 56453 89843 71342 67137 84206 53323  
 51907  
 = = 157 157 31 31 000

**4895//5340 kHz, 10-05/24-05, 2010 UTC**

467 157 157 = 31 31 = =

04381 35035 53986 36146 97261 61184 92412 63653 00644 28498

57672 44300 60537 69013 71483 41008 27836 27857 55343 25936

91004 80456 23577 87094 56453 89843 71342 67137 84206 53323

51907

= = 157 157 31 31 000

**5065//5805 kHz, 16-05, 1940 UTC**

936 157 157 = 31 31 = =

04381 35035 53986 36146 97261 61184 92412 63653 00644 28498

57672 44300 60537 69013 71483 41008 27836 27857 55343 25936

91004 80456 23577 87094 56453 89843 71342 67137 84206 53323

51907

= = 157 157 31 31 000

**M12****17451/15951/14451 kHz, 01-05, 1400/1420/1440 UTC**

494 494 494 1 223 266 223 266

85380 21718 15513 92376 47811 97551 65532 52971 94356 77257

60499 00830 82948 26461 04942 07295 45920 62602 68918 46737

92129 25503 01865 84941 88871 13024 20490 80830 92021 34869

62744 76471 00787 67059 46961 64531 58997 61053 06608 05840

29335 13347 18797 43660 08594 06292 07752 87462 14996 48075

02756 34385 54807 87584 90374 30089 83895 47653 73756 26652

25975 30498 73484 01174 57663 12800 49096 15605 25825 83954

57020 61643 65951 11409 01273 49276 91520 68117 41073 16945

98494 17695 63837 49894 98916 82746 09593 46588 22160 28254

01300 36806 93775 34786 64535 16770 14415 98238 89085 58252

30205 31739 48580 81509 64806 39996 68584 80373 40673 71894

29780 27933 79246 92786 80250 95884 05073 40076 98756 83491

62385 73942 89878 44283 12817 78960 98553 30217 09086 20605

22541 38694 88869 55769 11585 19165 75782 74725 45975 85127

38882 90499 40574 69804 13413 24696 99334 81067 88307 56012

81541 49362 92507 10912 54181 57409 41523 79871 06485 85341

32662 55242 05202 71550 39923 26062 28773 82314 06955 97332

04626 42331 24247 01854 44877 14762 90766 16476 25838 91328

87661 97061 42022 64376 63151 39289 62940 73309 42935 29767

44166 23270 93327 71950 23681 48297 63102 44893 73238 44110

09848 89466 43424 88763 25424 41294 76445 89410 49367 26350

90185 42834 51056 81473 84942 11996 22542 63718 62087 37484

89967 59304 51680 26791 49958 71373 87915 42778 98544 98485

07427 91026 86973 97565 35676 41844 29595 23581 09661 70060

21272 56226 99995 99538 66029 75742 36066 28478 67349 77094

74052 84803 55608 62474 73012 75586 56253 90079 35185 25301

15522 74306 70714 81934 54153 55267 000 000

**12162/11566/10711 kHz, 01-05, 1710/1730/1750 UTC**

546 546 546 1 2048 105 2048 105

51598 57819 40800 72314 16116 70529 62698 45400 43358 02691

79952 66209 51366 20126 09726 93750 57207 80054 98449 51890

68930 38268 29979 31012 96961 95814 26695 08106 23853 01346

83511 19221 02993 46153 42797 40202 62279 70358 64241 39925

27321 46920 14502 86715 43979 85320 51841 29911 98938 20528

38459 86574 19945 30581 24283 19235 58234 74052 82932 65956

26375 50000 91270 47176 34859 80990 58372 72931 16448 65014

30307 25879 25813 50601 87452 35923 95111 87576 32373 98278

97427 47938 59129 04330 29970 40344 39957 95248 09964 16113

90319 90163 98040 16279 15097 67643 84317 43116 81560 52779

47391 09770 14230 39729 71277 000 000



**12162/11566/10711 kHz, 01-05, 1700/1720/1740 UTC**

546 546 546 1 1796 106 1796 106  
55111 56023 67929 40773 93249 90704 76675 79843 70236 37468  
24702 37596 66667 96532 64868 40805 79334 46060 27450 00817  
67145 31763 62511 40750 02688 68270 83528 83933 77932 85417  
28681 92878 30730 41725 55578 81341 10767 59273 72888 41177  
66848 05034 73646 36066 45239 41482 30084 86660 45533 58999  
16515 70105 02834 21414 67322 64078 05237 56626 71372 07457  
09805 23210 53534 41337 64538 31824 68367 84051 04502 15016  
06235 67510 87537 36234 75377 39904 52528 79652 38241 89768  
79012 47493 81163 01038 90030 54279 15914 12252 18535 82883  
84177 49152 52010 42989 59342 64312 63758 39838 01774 58309  
92051 05741 00031 09811 64737 47721 000 000

**8047/6802/5788 kHz, 04-05, 2000/2020/2040 UTC**

463 463 463 1 2028 92 2028 92  
00244 05209 46979 36528 90604 21304 50962 67892 07221 61847  
82138 63149 99414 96165 12443 29535 18444 37293 80163 60098  
27490 48834 56406 12329 96683 67471 01762 62250 69230 32189  
33757 00926 74977 00971 17285 70378 18485 19649 84817 98821  
53596 66611 83734 66700 40178 81625 44771 33633 95978 62852  
55104 42989 64071 92142 24005 02348 34087 96150 39847 97450  
42287 57050 50790 60389 53512 47940 36811 51527 03660 38530  
06614 66030 19808 31883 12067 85467 75245 56457 95758 95458  
49783 69771 93849 36339 34265 17667 12182 87794 74841 75659  
10298 67786 000 000

**10843/10243/9243 kHz, 04-05, 2100/2120/2140 UTC**

822 822 822 1 145 20 145 20  
23424 49933 81802 68787 75451 77139 96835 26723 50969 03468  
52778 97875 76531 94208 71207 82246 39840 73620 27850 54030  
000 000

**17451/15951/14451 kHz, 06-05/08-05, 1400/1420/1440 UTC**

494 494 494 1 9793 67 9793 67  
73007 02891 52749 10612 34693 72099 19352 06919 68201 98699  
95975 72396 47783 92528 19659 52482 45501 51176 30302 55140  
90433 63962 30152 50082 47638 34638 56374 90978 69632 24180  
58720 32127 78885 26056 77418 04588 24418 22048 01964 04352  
64156 18977 41441 75411 13295 23899 13294 37457 55308 34746  
82205 58834 93714 49125 97208 77292 86494 10741 46224 23586  
88139 31261 56766 66519 91068 07175 23693 000 000

**11435/10598/9327 kHz, 06-05, 1710/1730/1750 UTC**

938 938 938 1 1790 106 1790 106  
28443 17768 71523 75730 74095 47945 67656 45018 44528 95017  
94305 36971 60484 76531 71449 43943 55120 23847 91932 53950  
11511 25747 76651 66697 00886 12058 85045 79678 58576 85192  
80523 90583 11060 37120 43319 98269 56168 56683 01909 11394  
93434 14073 10232 46969 85254 43815 43911 04810 34092 76128  
48079 21576 66449 67521 95016 94160 97106 43348 98732 20410  
29516 88933 54788 32145 32281 97509 48165 01390 67402 66058  
42841 27164 50483 35186 85345 12546 88869 66444 17458 60870  
37780 18283 23802 80509 08478 79618 04758 64582 79102 17074  
50783 18972 68892 37637 05009 18672 58617 91323 54827 96994  
78277 98458 02329 43551 98960 99817 000 000

**8047/6802/5788 kHz, 06-05, 1800/1820/1840 UTC**

463 463 463 1 5020 93 5020 93  
70272 88795 60428 30601 87170 59084 84533 56500 95034 61244  
14684 46301 99010 33330 34443 57432 96493 51243 64095 26150  
87888 41796 76426 70705 68870 59584 31201 10892 92509 76535  
72828 09193 33145 68748 94592 47779 02060 06294 75795 73755  
89902 07899 88597 24913 89576 42575 84011 32560 59214 75297  
22472 11548 69524 21687 30316 97371 10992 18023 07673 87211  
98552 22906 51077 74613 47296 78330 56307 80293 22227 66058  
02995 20555 12223 29102 20550 38510 67335 80572 37564 66673  
27725 84923 65578 71433 25919 06103 73955 77015 09858 69819  
16450 59917 77711 000 000

**10343/9264/8116 kHz, 06-05, 2000/2020/2040 UTC**

124 124 124 1 6811 107 6811 107  
63993 02947 61607 79329 71549 02454 10529 10180 40886 51603  
70517 88963 03196 14106 28260 06844 51430 55233 26277 00357  
12965 18928 85365 22920 90986 24707 52836 90872 87534 93520  
06516 89361 96704 06575 20316 56036 66944 27183 36375 96408  
51636 65363 57741 50287 53475 35829 60684 11731 41975 25728  
52891 00744 66435 92803 53118 07850 07617 06558 16595 91355  
80174 77264 37245 29680 62688 18084 83952 09993 69265 37446  
07238 83863 90448 05216 60666 16047 71023 54319 02898 21465  
87391 60948 80571 44217 01587 06640 36765 55745 34859 71589  
58114 41364 96901 96929 33712 22327 08026 27965 64394 75005  
80877 36130 23903 97926 29596 72062 14670 000 000

**13423/12123/11123 kHz, 07-05/09-05, 0700/0720/0740 UTC**

411 411 411 1 433 26 433 26  
36845 10337 61225 79522 61194 37899 63150 94337 70401 12724  
43321 68215 86675 17307 88012 47454 34739 57238 66894 89892  
33102 47605 32052 67877 62272 83401 000 000

**11435/10598/9327 kHz, 07-05, 1800/1820/1840 UTC**

938 938 938 1 3517 106 3517 106  
22317 83879 56432 35682 79228 73969 88971 10444 32160 39523  
43379 05328 21902 27209 36984 24560 72686 80344 52619 45976  
76242 56817 14819 68057 77856 92439 63999 48785 17635 81937  
10702 66733 01997 15542 90196 17035 20448 75600 20335 88019  
85914 23899 09209 77462 64445 66905 38596 86339 89894 72741  
71006 31614 55733 82302 86870 72560 43513 17063 61145 06199  
78852 30326 58894 41267 00431 72891 55020 18984 37942 67104  
86113 86737 68312 16732 14916 49726 40068 13798 29041 92390  
93369 16294 37707 13374 39131 16940 34740 97874 71954 42066  
75103 52974 75053 97845 83000 35379 70175 17477 41559 03374  
57190 98618 51936 75614 54492 74050 000 000

**12187/10987/9287 kHz, 08-05/10-05/15-05/17-05, 1210/1230/1250 UTC**

192 192 192 1 9941 14 9941 14  
47826 37640 61604 68448 86584 11375 12508 58079 32185 93758  
86105 71471 60265 24480 000 000

**12162/11566/10711 kHz, 08-05, 1710/1730/1750 UTC**

546 546 546 1 4639 109 4639 109  
39478 74187 78840 09125 18154 65939 56150 53867 86480 04452  
25041 44629 75580 18010 63754 92635 84030 97159 38743 53572  
10433 87550 23529 15474 90319 76675 81943 27230 92790 81031  
45157 48926 91216 60924 47323 53758 80462 50843 74681 98398  
16998 82446 61410 22851 48445 29072 96018 74332 15706 66235  
87432 41737 94901 52707 05463 89231 94652 38331 15378 74563  
96688 59355 63884 05929 87354 40223 37574 66240 38750 27838  
88254 40014 54447 90421 22661 65532 74758 88486 69759 10647  
53587 47356 28390 93355 79815 67813 72309 87379 76003 56673  
21213 46461 81762 68611 99305 12344 78961 84879 92211 70042  
97534 16776 59430 15297 01236 53884 35091 42743 25498 000 000

**10183/9083/8083 kHz, 08-05/11-05, 2210/2230/2250 UTC**

199 199 199 1 271 20 271 20  
90735 33283 41568 63601 31764 56417 51213 99084 50382 84676  
52211 36243 62652 30267 59443 77502 94549 24792 15617 68310  
000 000

**12162/11566/10711 kHz, 1700/1720/1740 UTC**

546 546 546 1 2189 109 2189 109  
38255 75206 16179 79203 42062 04265 34894 29688 87208 76054  
61747 44698 82765 84768 11093 67098 35886 72207 20729 74869  
82670 49810 02335 96425 19955 32003 31331 96563 31481 17341  
45349 15067 48823 92895 25953 92404 87430 91123 25049 37509  
13750 99292 12613 31998 21290 98074 59521 10930 54740 50870  
94120 69879 39686 07817 32895 79810 82539 91722 64629 07742  
90443 92899 16348 27558 95102 27297 67311 26850 91318 34334  
63599 92076 30953 92452 75499 21477 10319 70015 80178 49573  
65177 24011 50857 16135 21892 01790 90691 23715 61489 77075  
08710 67928 74801 58380 50623 62529 26733 11170 04739 09207  
69104 82046 40910 23882 72269 35357 84048 40829 31541 000 000

**10843/10243/9243 kHz, 10-05/11-05/17-05/18-05, 2100/2120/2140 UTC**

822 822 822 1 8718 67 8718 67  
23476 92955 47729 98683 23233 14334 45435 67988 63298 42866  
40800 48723 32053 42820 30098 38413 33912 57109 18562 22318  
69693 68994 90206 45970 26597 44334 50655 21775 52420 44787  
95133 78392 16528 03615 10558 12324 87399 40999 47419 64289  
83714 17921 43147 74924 86450 29555 92031 29651 94052 45778  
08082 86241 75229 27884 70636 84814 20529 63419 99047 26220  
58405 29487 54172 12073 42575 74504 91971 000 0000

**8047/6802/5788 kHz, 11-05, 2000/2020/2040 UTC**

463 463 463 1 1572 91 1572 91  
32238 48284 56726 97142 87771 94951 00016 30121 53686 95164  
76492 55898 68160 25668 85991 21222 80062 89004 66038 99204  
93095 13929 50318 63551 58409 45409 73445 19223 39820 53218  
40513 55760 85127 42458 51147 26191 14024 73522 11666 37766  
24383 17991 18804 99016 59712 64977 53417 56737 67622 10785  
80188 50262 49210 88647 93229 15272 27748 78079 27934 73372  
32715 57829 18214 88933 49636 43338 84531 38573 75485 08112  
96069 12171 79079 37528 99688 56973 23635 89134 50512 99618  
83603 19134 29270 75019 76494 14274 68993 60108 14971 70971  
97187 000 000

**11435/10598/9327 kHz, 13-05, 1710/1730/1750 UTC**

938 938 938 1 5464 110 5464 110  
21116 33547 32544 63383 11378 22831 08221 10038 47980 38997  
14472 38729 57249 78540 97427 17076 94895 32575 54254 99620  
29585 86286 84109 74817 16973 67487 59946 76429 53035 38144  
66096 07008 96298 92140 29446 12359 98629 61616 50472 20419  
24220 35761 20253 73211 81051 46367 76897 14983 54112 60938  
36488 33772 85610 77878 25059 28376 53020 54148 91859 23692  
71347 47906 36882 26279 03034 72752 03084 78357 51489 01513  
12309 77266 83564 90961 17706 22993 70139 06596 14897 30415  
34854 47977 38087 14820 65152 99121 99584 54710 38018 89547  
44105 06450 08279 29314 59433 89715 05118 32361 54285 44685  
58707 34787 05350 02338 32280 82592 76623 83258 11790 02400  
000 000

**8047/6802/5788 kHz, 13-05, 1800/1820/1840 UTC**

463 463 462 1 3116 99 3116 99  
59989 00748 03687 88933 92974 77662 76279 91443 20657 49163  
23183 41290 86638 26331 34416 38756 33111 72672 67508 68673  
83291 32184 20766 34717 88460 35513 06309 26007 72090 78845  
04510 01686 89684 21522 13384 31310 73363 14180 36377 04248  
90698 92438 86960 35503 66259 51539 33122 21413 18107 44234  
72990 26877 83918 91183 85420 50095 48055 19903 92858 68939  
75648 28074 89564 27147 12526 19766 49840 76039 18879 62864  
06189 23825 63745 93174 12971 13973 18390 63916 44396 47139  
31074 21430 31678 86739 77897 19065 13640 46884 58752 53435  
02511 45223 36277 00672 11774 72520 52258 19841 20087 000 000

**10343/9264/8116 kHz, 13-05, 2000/2020/2040 UTC**

124 124 124 1 2268 108 2268 108  
36381 66787 36140 29061 97758 22300 41282 18166 18219 93758  
87619 66857 22943 38545 89751 57827 11865 20373 73469 68795  
68298 42678 45601 92365 99835 03126 40428 52711 27858 84257  
16836 81252 40938 41703 45355 44958 55993 16270 25597 74672  
31519 23122 05080 50279 41486 74836 42767 13417 25875 57765  
37615 40998 03978 71691 45836 79593 51470 28824 23954 09123  
33647 46801 67200 16133 08764 56620 55847 06644 58839 63236  
83254 96833 39643 97116 24328 38751 76588 38923 10543 78217  
86423 59208 94360 07854 37480 43590 12775 75393 80640 49251  
07689 72378 17551 56516 59859 88830 40525 25277 59045 84015  
88295 36929 69355 29458 36851 06518 05458 51078 000 000

**9317/10484/11552 kHz, 14-05, 0530/0550/0610 UTC**

135 135 135 1 1015 105 1015 105  
61981 49701 83742 78224 27352 71435 58775 15452 01338 12133  
73841 72899 61042 99983 49126 87914 03905 20829 56921 60368  
62988 70074 65875 58126 78783 11527 32873 88287 91402 30259  
16347 96845 30878 46238 01776 68365 73897 33480 81420 30536  
72931 89407 48551 24387 94277 53079 59137 44699 73834 45045  
69100 17617 08589 45817 55461 51057 46219 36584 69561 32500  
28342 99529 88183 07535 81614 31046 78161 28270 77746 73135  
91560 13174 95209 34195 41784 72216 51403 01522 61798 72576  
02074 55454 06552 00197 14057 66989 75446 12338 77671 85659  
32572 01276 87091 85172 72572 78984 80056 42391 84873 65615  
23008 69818 16859 16286 52439 000 000

**13423/12123/11123 kHz, 14-05/16-05, 0700/0720/0740 UTC**

411 411 411 1 6980 84 6980 84  
53420 11190 51886 10500 36434 07499 15680 77832 75455 79157  
06084 06481 67887 20252 59864 63214 47821 10468 61509 80954  
87719 45868 82136 94243 44289 46703 36490 93526 40281 79444  
53357 81425 78610 02288 78731 01332 36137 58430 05372 80535  
61288 57347 24344 00692 85173 75625 92206 62912 30248 03754  
31061 83159 82199 51897 66111 06765 34246 48034 68300 80988  
31817 66204 39906 97528 71036 40998 49884 53304 48569 11273  
44986 66546 51470 30700 31423 91882 70157 80095 37650 07973  
75006 87858 64763 16919 000 000

**11435/10598/9327 kHz, 14-05, 1800/1820/1840 UTC**

938 938 938 1 93736 1671 111 1671 111  
53440 80179 07820 63352 99803 62197 42607 98192 47820 04532  
05892 24071 86374 91217 13454 84632 80023 23354 12301 88120  
34377 87841 47394 86997 57933 81164 33980 59099 72611 54997  
18898 79342 59934 39108 61171 31673 35661 20773 00284 66858  
66633 07856 33448 36478 78631 07296 70712 61685 84116 94621  
90824 28341 60379 44098 29979 53802 90838 65168 62238 50716  
28370 91536 23883 73854 85619 63438 49961 96707 25606 88984  
86293 60663 37561 84317 11912 23845 73319 59732 44175 52331  
12025 73352 39845 63914 08556 18129 96512 57618 99299 00196  
13722 08789 73725 34947 31749 09551 12679 98252 52834 18082  
12243 28468 11254 29900 34964 47534 59359 96862 66801 62102  
29396 000 000

**12162/11566/10711 kHz, 15-05, 1710/1730/1750 UTC**

546 546 546 1 5622 105 5622 105  
42005 77546 91167 41268 04596 05744 99154 75164 52194 80906  
75958 06056 54931 12737 74590 30257 89562 31658 22642 37594  
39884 24550 58651 52715 78476 76231 54173 61011 94383 53287  
95833 99574 30337 75518 99311 67697 57078 16804 56090 53852  
72358 60153 58899 83103 04607 26681 31682 42269 27460 87497  
51980 32301 68052 98309 20674 34350 07819 33712 90935 59490  
28522 08052 74507 63900 16691 62333 25953 20701 07303 72559  
11894 41076 51002 23412 51150 58799 27102 05485 95853 17440  
38583 66609 46252 50574 82034 08670 54724 47397 06781 56389  
74127 10126 63855 55336 89456 73676 67136 24039 39298 13531  
84436 95164 47009 14957 83774 000 000

**10183/9083/8083 kHz, 15-05/18-05, 2210/2230/2250 UTC**

199 199 199 1 405 26 405 26  
56293 30072 88540 39068 76933 27892 99665 01745 50524 35167  
30357 01041 10443 94717 67572 55050 87815 84729 56771 62726  
92912 14036 32018 06075 40830 21338 000 000

**12162/11566/10711 kHz, 16-05, 1700/1720/1740 UTC**

546 546 546 1 8287 112 8287 112  
93268 94733 23937 23302 20902 68236 63750 95461 74879 07304  
58170 19950 37350 50193 40448 95743 50523 14215 22785 55935  
13470 40735 61669 94964 82482 64915 41078 10524 96261 90365  
27765 21701 67639 51805 71357 57092 00746 00739 05000 10897  
80467 24254 93265 19732 12666 53708 32234 51122 46544 48348  
85913 70236 07451 22488 84228 55624 37299 21316 42212 20019  
35414 06129 38598 07164 00942 15443 24308 53691 75196 85932  
69824 49418 74799 19504 86881 40992 83419 68403 45966 26971  
56760 92758 89677 28471 07062 58782 60798 91095 98049 28025  
90019 46925 25203 79026 25322 99045 44157 39922 05098 99281  
07159 83829 30818 54408 73830 68288 81321 89256 28860 17754  
42969 43229 000 000

**8047/6802/5788 kHz, 18-05, 2000/2020/2040 UTC**

463 463 463 1 4216 94 4216 94  
38267 47646 99225 24401 76570 01852 69204 93119 72122 80600  
33693 78366 02244 81536 81320 65628 21782 86244 97794 38394  
64985 03475 44915 21550 86443 69108 37567 31660 72881 00542  
96521 57477 28676 09527 05179 61648 98796 42966 60304 96429  
82271 68257 78724 99678 15989 79693 38020 45192 98816 30444  
97344 53250 19003 16983 83820 39575 63218 08447 25506 70366  
04017 12919 17368 52155 18925 39913 97452 40686 87972 01840  
08024 54028 06215 21303 53476 19057 22873 84883 76133 52772  
37007 93850 48744 13225 93837 13592 13932 84598 69922 93149  
45773 05386 24567 27563 000 000

**17451/15951/14451 kHz, 20-05/22-05, 1400/1420/1440 UTC**

494 494 494 1 9567 18 9567 18  
71724 80433 17103 00362 21946 42335 85141 72119 93676 75727  
93985 72245 42552 09497 45677 12220 39456 65707 000 000

**11435/10598/9327 kHz, 20-05, 1710/1730/1750 UTC**

938 938 938 1 1786 107 1786 107  
11304 49693 41020 41657 16400 83881 42031 82486 94055 39063  
37493 16501 11947 41984 32046 75145 43454 84328 50287 07045  
14940 03377 22910 83458 89735 68251 46527 80047 43126 80549  
04253 37895 17070 99347 97473 20502 46738 41584 17615 53773  
86071 90783 98744 49609 22068 67344 34198 00962 48765 83702  
63981 17912 40446 34161 15334 40461 05618 10732 51995 65629  
02482 41473 59745 06309 96104 95886 43650 29116 24228 52932  
17087 03979 76687 66331 18247 82047 03100 65412 30336 02421  
78386 40577 58088 08611 98294 95415 98589 50217 61849 27379  
07243 80729 40830 38944 30428 97877 04905 41826 00252 78459  
36006 68584 55137 52295 12307 98544 31997 000 000

**8047/6802/5788 kHz, 20-05, 1800/1820/1840 UTC**

463 463 463 1 2483 99 2483 99  
29476 86615 12435 17740 19886 89416 83153 74841 28854 14264  
31758 03837 04650 01053 36894 74869 72655 98643 77558 08791  
97068 06474 31114 35153 77105 13061 04684 28146 45234 16153  
27917 05463 45624 92324 87146 42607 93104 14857 83215 75352  
73573 94269 84469 84428 77864 29080 12108 63156 38669 33692  
96635 79791 87445 19281 71242 77903 34564 74445 54326 09465  
08334 75391 84983 13835 51382 05700 78101 07046 57757 20319  
67503 17332 86413 09459 40458 00504 86839 25369 15705 36584  
82838 33251 13596 89306 72152 60004 81805 10528 49087 69228  
23991 94618 01329 62041 71731 27956 39262 7384 83390 000 000

**10343/9264/8116 kHz, 20-05, 2000/2020/2040 UTC**

124 124 124 1 8628 105 8628 105  
04596 08046 02384 09774 49057 28211 77508 05019 25187 37009  
81448 74250 02626 18273 68407 60458 79171 51853 57763 74448  
49255 34288 74437 15274 62124 70049 09046 84632 99606 97922  
86367 70970 44942 17090 04487 39099 35723 39494 70422 20189  
63340 89534 76827 81493 15159 68112 77339 73248 34286 62890  
02487 92112 51547 65213 68488 71945 80063 29157 01478 44321  
14002 82386 29359 04015 79310 90046 18330 47322 13237 61143  
83343 43347 69467 62828 59976 46274 60020 01845 55154 58971  
93131 77252 91133 95712 68530 68466 72203 12728 28837 43047  
74711 53444 05549 97525 19538 70823 81946 65512 73334 16016  
11229 54820 68317 43337 79316 000 000

**13423/12123/11123 kHz, 21-05, 0700/0720/0740 UTC**

411 411 411 1 3933 78 3933 78  
90978 27285 38476 75325 91199 08276 49652 83499 39820 16718  
50477 60496 34243 72144 93159 31104 16404 44406 77096 11639  
13241 13276 72081 95051 87239 37488 82597 61154 37586 77520  
16961 86467 14720 47143 27293 00347 84118 73424 08446 46843  
30088 59671 89500 16361 54030 54808 05242 57430 36475 05912  
33599 79474 94614 83574 57683 00768 94985 73452 86607 28353  
48311 85799 45041 45566 65329 41373 32456 52062 40249 15303  
54031 92470 73829 57149 57959 59813 88062 22835 000 000

**11435/10598/9327 kHz, 21-05, 1800/1820/1840 UTC**

938 938 938 1 3937 107 3937 107  
77856 43510 00262 89998 38558 79977 94874 37655 95465 92503  
89047 43910 79501 94942 65667 06205 64435 83632 97365 70110  
40200 50845 84193 50973 81015 29158 93466 79258 32343 68851  
04743 03005 56335 72644 82055 76379 12218 14909 64550 55658  
27802 79688 19494 46948 98678 23294 23066 17104 53887 92671  
40322 02563 98778 36777 51862 39273 72580 39753 56494 42827  
30444 47002 93039 43047 71547 90638 68706 99415 08817 21131  
90514 26640 73692 65423 36901 30654 05726 34729 92019 78230  
75528 73458 84348 50593 08280 70585 37700 76213 27032 54054  
16823 50663 32660 87779 23667 85919 72974 91777 63370 11893  
95272 22497 51211 93404 68271 83693 75473 000 000

**12187/10987/9287 kHz, 22-05/24-05/29-05, 1210/1230/1250 UTC**

192 192 192 1 181 33 181 33  
81744 64633 37022 15670 32280 43182 67575 66848 41719 91163  
01620 90568 23808 76267 43295 91015 96860 76980 45851 56253  
19394 98632 82706 69687 87941 24709 37386 37447 39560 49231  
91920 82806 54865 000 000

**12162/11566/10711 kHz, 22-05, 1700/1720/1740 UTC**

546 546 546 1 6495 106 6495 106  
94515 81111 65049 35955 55563 83186 73389 50186 31971 58749  
20409 27631 02691 15490 55239 37387 07317 68996 32577 23588  
57898 93304 36625 62384 29720 32530 72895 33371 57662 42701  
56060 53263 64002 69355 66978 51874 77338 72807 73642 15243  
88976 13049 62884 23415 76637 44942 73048 73267 41178 96860  
78452 36280 94313 26120 77732 12604 59092 77155 38414 08801  
48108 99863 54494 92464 49083 66875 34705 37032 12311 27028  
34346 30612 80515 60671 53287 63039 81502 22692 00003 68704  
01964 30486 93422 13734 48881 22674 12396 27179 29844 84348  
27450 35591 20975 85582 09859 87499 50179 63415 14700 23074  
28951 43601 71156 51442 38524 95905 000 000

**10183/9083/8083 kHz, 22-05/25-05, 2210/2230/2250 UTC**

199 199 199 1 8490 90 8490 90  
30200 66838 80936 24896 53866 59612 96811 75583 37178 58774  
88483 35310 95054 57826 80135 85972 03731 71643 58560 24587  
54271 62840 61731 43144 20521 48380 25607 46866 80700 42878  
00942 23092 43754 75167 23406 36154 68089 85951 35135 87296  
34861 81962 85706 98012 56242 96114 25722 96101 99924 59936  
79023 01564 46952 98957 51495 55638 21800 58008 07283 04794  
53974 53821 44286 70535 08833 72920 47808 70171 54595 03745  
13230 71078 81830 96050 89731 18411 46173 84936 45902 36289  
57824 71822 56944 06373 79314 70423 20601 00040 43600 84388  
000 000

**13423/12123/11123 kHz, 23-05, 0700/0720/0740 UTC**

411 411 411 1 3933 78 3933 78  
90978 27285 38476 75325 91199 08276 49652 83499 39820 16718  
50477 60496 34243 72144 93159 31104 16404 44406 77096 11639  
13241 13276 72081 95051 87239 37488 82597 61154 37586 77520  
16961 86467 14720 47143 27293 00347 84118 73424 08446 46843  
30088 59671 89500 16361 54030 54808 05242 57430 36475 05912  
33599 79474 94614 83574 57683 00768 94985 73452 86607 28353  
48311 85799 45041 45566 65329 41373 32456 52062 40249 15303  
54031 92470 73829 57149 57959 59813 88062 22835 000 000

**12162/11566/10711 kHz, 23-05, 1700/1720/1740 UTC**

546 546 546 1 6872 110 6872 110  
17540 49492 58163 77206 08918 42693 00292 71633 12903 00104  
53062 48036 44034 90873 98281 38672 05717 93624 83421 89859  
84086 65381 50969 07573 66851 22260 14354 75988 38590 95341  
70518 01367 65003 34525 85080 25645 19221 41855 31617 46649  
65293 22371 52400 07586 50480 64130 57607 64942 24311 38255  
72092 78949 47381 22279 05922 82292 75449 28522 18679 05106  
77579 46575 01095 13032 49697 42454 90534 14846 53058 18442  
38481 61404 06426 36286 68163 09692 00923 60294 75255 64186  
72598 97076 93733 60863 90116 18450 13591 29875 67110 47099  
73555 18907 87916 03035 31289 25188 53262 39165 89736 32393  
21529 85881 93582 33226 54130 47323 88277 29566 06930 89509  
000 000

**12162/11566/10711 kHz, 22-05, 1800/1820/1840 UTC**

546 546 546 1 489 67 489 67  
02111 57061 14332 67697 22649 27169 24199 75766 88097 57734  
34623 71323 56319 93640 65194 21924 81125 79149 19156 96007  
88707 33396 39480 54539 60096 42633 30723 62763 75758 69875  
85971 05338 35810 72916 31435 02615 01254 45447 75590 26347  
75029 60562 55696 86947 64637 29481 21571 50441 84047 92977  
14913 00045 91809 62684 06359 45028 61670 55888 45068 48050  
96033 80480 16722 34528 52394 90809 13524 000 000

**10843/10243/9243 kHz, 24-05/25-05/31-05, 2100/2120/2140 UTC**

822 822 822 1 105 33 105 33  
87607 79413 72925 33324 89135 01008 27001 19126 44047 09814  
81965 47620 14220 95063 65469 61928 85233 81853 65681 70617  
02909 72413 34789 95889 04814 20273 31557 48932 46173 40813  
12098 24346 16662 000 000

**8047/6802/5788 kHz, 25-05, 2000/2020/2040 UTC**

463 463 463 1 2282 98 2282 98  
48691 82969 96610 97196 76874 03606 14711 92562 20358 94853  
13447 49725 89848 47450 28163 50497 57054 85918 07414 77904  
74484 33235 38229 84248 14564 45136 85644 46341 75392 46737  
48185 27138 27553 75498 54883 04105 37834 56094 97437 79732  
53699 34491 43681 45863 18547 49734 36367 35644 58225 94515  
16207 00376 50790 10205 92690 96068 33948 36743 79349 15540  
91790 13118 56638 40088 08644 88648 72616 51165 15712 18567  
31507 53321 87604 78119 95841 96995 43236 09806 09738 00023  
59657 02587 64391 89020 42865 05170 49230 67203 09131 10600  
10698 14124 91161 72453 24447 01794 27114 06737 00 000



**11435/10598/9327 kHz, 27-05, 1710/1730/1750 UTC**

938 938 938 1 3607 109 9607 109  
11347 50265 28395 71499 77231 08363 26849 02694 63382 46995  
44071 17689 49821 26652 98301 49378 46924 93121 46785 39693  
15594 51405 35381 91002 91070 40277 53913 81973 09924 67296  
24190 40224 05795 85947 85617 73914 58414 09558 41899 94248  
50400 40969 20962 69123 82358 10843 15509 53737 06181 30015  
27384 64452 32355 77697 44104 28118 63477 14899 71718 82995  
82153 57046 66938 82207 58018 79317 55882 05825 33998 34901  
68668 43547 06461 90120 20210 09422 44143 28734 22695 99860  
10765 07194 47222 27607 10775 02094 59763 63679 31929 69780  
46601 33925 28291 83332 04033 20080 83509 05744 60482 53971  
38198 72750 23255 36155 66938 02435 44251 79575 31467 000 000

**8047/6802/5788 kHz, 27-05, 1800/1820/1840 UTC**

463 463 463 1 8014 95 8014 95  
48497 08615 22944 76667 94562 24176 62186 12131 46895 72171  
30753 81144 55236 56413 97363 52864 52026 14248 83235 04102  
00637 71426 63533 58607 37019 62595 79150 45216 29536 83792  
13745 22364 09745 01417 48116 87997 91882 02114 57609 26402  
22440 03836 81543 85050 08706 49654 45819 73788 72848 45811  
84570 67255 04226 51273 79597 11459 66832 09411 12858 37155  
70200 12829 23058 50008 27325 60061 77268 77256 28421 72292  
67637 19290 87494 14080 53452 18713 40027 71581 36308 17420  
46580 59712 40565 49595 53590 29773 47076 52162 76909 31718  
85066 06331 97294 72694 64418 000 000

**10343/9264/8116 kHz, 27-05, 2000/2020/2040 UTC**

124 124 124 1 6503 108 6503 108  
33309 54564 01021 08851 60358 38167 76236 88181 25443 05419  
86697 65131 33220 70478 93699 31142 30168 47593 02111 01100  
98112 93264 56640 92834 66963 23077 29190 03200 53250 48776  
02551 08997 15211 84700 95772 54372 97937 24572 95646 02166  
66711 79113 16782 77982 17888 24342 99042 50876 37682 18809  
07266 70499 96276 64030 70391 76022 09390 74025 10045 50508  
92059 67057 15360 25744 07079 94530 49502 28748 33296 74493  
43358 12524 08953 03389 59462 97690 42963 44186 26200 57286  
32844 31367 74728 53447 72694 55978 41400 94577 53598 26119  
91024 48717 32450 20961 40627 29375 72563 91377 74369 42960  
07324 11052 68747 06921 27320 99870 63729 77409 000 000

**11435/10598/9327 kHz, 28-05, 1800/1820/1840 UTC**

938 938 938 1 5294 110 5294 110  
38960 70691 11672 35213 52634 91999 48207 02975 24949 91568  
57360 66261 72093 61807 64037 56773 80725 61454 94337 21972  
39653 42227 48283 31722 15303 94056 58093 34070 02677 91022  
53534 76215 16973 22100 34445 92956 81700 46338 29668 90208  
87181 52276 21044 99532 67473 22380 11241 04972 07372 04034  
64725 10154 84639 83371 00487 88911 21049 52526 06766 66433  
93242 70305 08497 56986 34707 63578 22218 61152 29257 73039  
89302 79377 04851 47577 01077 46368 19894 54282 70127 03472  
25621 10955 98585 26946 79271 74951 80171 82843 56389 58384  
57112 62817 57050 56554 25926 13327 51168 27043 89531 31262  
48170 55475 50248 72524 79538 34197 96010 08522 41055 53199  
000 000

**12162/11566/10711 kHz, 29-05, 1700/1720/1740 UTC**

546 546 546 1 8286 108 8286 108  
95729 49388 90126 16025 86595 82706 72942 02122 17438 02099  
01974 78681 28638 69591 72862 74300 66057 07261 28015 84908  
77617 05217 84438 49005 42675 53714 05155 18941 83438 97375  
91335 14609 79290 65318 33068 81858 71941 62708 21378 11730  
90446 21626 52535 71030 67106 32390 62162 87689 77466 74417  
92556 41626 33741 37372 80284 26560 94782 30916 46148 51124  
93171 84618 58699 13142 49518 85092 66924 87936 38403 69760  
95889 22279 99192 47752 44652 23898 83537 58364 20420 24972  
94959 88466 00747 06261 04387 73460 00213 91146 45451 21440  
91415 42489 43700 90644 57430 18637 05650 72452 16948 28509  
08893 34703 55857 20987 93118 49118 62243 20639 000 000

**12162/11566/10711 kHz, 29-05, 1710/1730/1750 UTC**

546 546 546 1 8286 108 8286 108  
95729 49388 90126 16025 86595 82706 72942 02122 17438 02099  
01974 78681 28638 69591 72862 74300 66057 07261 28015 84908  
77617 05217 84438 49005 42675 53714 05155 18941 83438 97375  
91335 14609 79290 65318 33068 81858 71941 62708 21378 11730  
90446 21626 52535 71030 67106 32390 62162 87689 77466 74417  
92556 41626 33741 37372 80284 26560 94782 30916 46148 51124  
93171 84618 58699 13142 49518 85092 66924 87936 38403 69760  
95889 22279 99192 47752 44652 23898 83537 58364 20420 24972  
94959 88466 00747 06261 04387 73460 00213 91146 45451 21440  
91415 42489 43700 90644 57430 18637 05650 72452 16948 28509  
08893 34703 55857 20987 93118 49118 62243 20639 000 000

**12162/11566/10711 kHz, 30-05, 1700/1720/1740 UTC**

546 546 546 1 5800 105 5800 105  
60275 01186 32186 91691 39144 77629 40680 21627 90252 72102  
50843 63040 95373 85428 93466 02354 66299 51482 01766 31996  
57899 16646 57470 30496 55278 83946 18946 44010 27729 06873  
40928 11185 29712 59596 24600 30956 74834 76212 72945 60452  
20022 81999 54759 48775 49464 27463 41112 20263 29918 82648  
44929 04189 77547 91292 22123 51196 89668 23639 83032 86446  
77985 83270 97908 11516 31323 91124 68319 90049 59609 59348  
07450 52155 55386 66802 11969 46968 69435 13711 44644 99019  
16169 67155 51436 98861 22216 60348 35394 50359 53654 90342  
57737 18197 24628 96043 47449 71300 22103 74109 39934 48669  
09507 30228 89239 83164 71857 000 000

**12162/11566/10711 kHz, 30-05, 1800/1820/1840 UTC**

546 546 546 1 7573 109 7573 109  
33227 92082 43889 38661 15419 74685 34066 66149 10796 28610  
07879 32863 96680 24592 41492 74147 42222 72852 81708 49478  
29247 60468 36253 73829 94867 27307 73065 81698 70526 41458  
73259 62247 63502 15241 89369 65254 87421 64742 27348 85358  
06395 72942 60943 84328 48726 90582 93417 82122 26277 28519  
25533 58400 34361 75725 91605 96773 42316 45856 67020 84721  
90562 54528 39560 33316 05592 63995 24397 82192 48829 53589  
39973 07794 25078 33240 46668 93119 94133 81325 36656 91186  
53295 62121 05712 41999 25176 80646 28935 75643 50488 31375  
50408 21310 29117 60076 10181 20962 87934 61064 34512 43825  
20342 280 32094 01789 33825 61225 13493 07183 94817 000 000

**4730/4650 kHz, 04-05, 0800/0900 UTC**

523 676 676 41 41 = =  
25189 90461 16327 53180 63289 90164 36186 42751 33185 80541  
27153 88267 43190 90671 28431 74381 53290 84616 27453 47190  
73290 48210 37275 19562 30451 63274 48527 60531 85364 68318  
73517 57326 25389 60472 80572 56217 68231 90527 46286 33189  
56213 = = 676 676 41 41 00000

**16347 kHz, 10-05/25-05, 0930 UTC. Two messages / 14878 kHz, 11-05, 0930 UTC. Two messages**

617 583 583 49 49 = =  
61862 90101 52788 28283 83414 24392 23647 43767 41319 67381  
09275 81339 23299 60399 13305 54511 49815 98936 20132 12325  
02919 85058 91541 26513 94674 21996 39204 37479 96246 62592  
43143 01841 47956 66704 46396 45304 78002 04440 26478 26347  
96335 00948 72496 49823 18356 43394 98038 12715 52301  
= = 583 583 49 49  
617 920 920 47 47 = =  
29281 57907 79162 54998 21487 29885 10084 45869 20006 68121  
94535 70814 55183 84722 63685 13324 65036 50929 68180 89975  
33643 04166 49668 48449 42831 36329 39041 07684 34965 02013  
96174 76172 67630 95621 57102 25938 31749 02659 39571 72785  
93253 08093 22040 30144 50526 83495 29007  
= = 920 920 47 47 00000

**4730 kHz, 11-05, 0800 UTC. Errors**

523 146 11166 2 42 = =  
67134 76351 43728 29067 41267 89357 17352 90881 64527 89109  
55467 82351 78456 26451 87631 08451 63725 64899 73261 53109  
73261 47281 64190 14283 56130 43261 53872 90513 55276 81630  
13276 43189 01527 84617 52380 37190 83271 63571 90671 24378  
27130 90456  
= = 146 146 42 42 00000

**4650 kHz, 11-05, 0900 UTC. Repeat of 0800 UTC expected but sent a different message**

523 142 142 42 42 = =  
89163 67352 90653 34210 74382 06341 16342 85376 80531 24316  
80563 75132 35278 64166 89325 63265 78436 44216 78564 16423  
78546 32648 06541 15376 80563 64890 78323 53721 89452 90631  
56321 24378 05741 90643 57289 77323 53722 90452 14624 90372  
43785 99451  
= = 142 142 42 42 00000

**6856 kHz, 14-05, 1820 UTC**

163 545 545 38 38 = =  
12345 56720 34569 53412 12040 53060 63217 10140 68320 34450  
89012 56790 41235 17236 21060 84510 34512 32617 17845 24060  
62340 45210 47321 93476 93164 83032 62752 92174 59356 14056  
48385 94732 63832 45170 75841 58392 95178 32060  
= = 545 545 38 38 00000

**5938 kHz, 15-05, 1920 UTC**

417 545 545 38 38 = =  
12345 56720 34569 53412 12040 53060 63217 10140 68320 34450  
89012 56790 41235 17236 21060 84510 34512 32617 17845 24060  
62340 45210 47321 93476 93164 83032 62752 92174 59356 14056  
48385 94732 63832 45170 75841 58392 95178 32060  
= = 545 545 38 38 00000

**M14, 6876 kHz, 17-05, 2000 UTC**

735 735 735 00000

**Switched to E06 voice at 2009 UTC**

111 111 111 00000

**5731 kHz, 17-05, 2130 UTC**

315 149 149 52 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

149 149 42 52 00000

Windows shut down sound

**4730/4650 kHz, 18-05, 0800/0900 UTC**

**Note the red part of the message. Same figures, different sequence, and ascending groups.**

523 632 632 46 46 = =

90635 25146 78456 08726 14267 84561 32542 67231 46231 24741  
83416 90563 23167 74261 89461 67231 35279 90532 36714 54801  
89765 70896 70890 **54321 12345 65432 23456 21435 41253** 91023  
85040 83614 15451 15408 **78960 98706 12346 12347 12348 12349**  
**23451 23452 23453 23454 23455 23456**

= = 632 6346 46 46 (no zeros at the end)

**4730/4650 kHz, 25-05, 0800/0900 UTC**

**Note the colored part of the message. Lack of fantasy ☺**

523 675 675 44 44 = =

89765 70896 70890 54321 12445 **65432 23456 21435 41253** 91023  
85040 83614 15451 15408 78960 97706 **12346 12347 12348 12349**  
**23451 23452 23453 23454 23455 23456 23457 23458 23459 23450**  
**34560 34561 34562 34563 34564 34565 34566 34567 34568 34569**  
**34570 34571 34572 34573**

= = 675 675 44 44 (no zeros at the end)

**6856 kHz, 28-05, 1820 UTC**

163 142 142 42 42 = =

89163 67352 90653 34210 74482 06341 16342 85376 80531 24316  
80563 75132 35278 64166 89325 63265 78436 44216 78564 16423  
78546 32648 06541 15376 80563 64890 78323 53721 89452 90631  
56321 24378 05741 90643 57289 77323 53722 90452 14624 90372  
43785 99451

= = 142 142 42 42 00000

**5938 kHz, 29-05, 1920 UTC**

417 142 142 42 42 = =

89163 67352 90653 34210 74482 06341 16342 85376 80531 24316  
80563 75132 35278 64166 89325 63265 78436 44216 78564 16423  
78546 32648 06541 15376 80563 64890 78323 53721 89452 90631  
56321 24378 05741 90643 57289 77323 53722 90452 14624 90372  
43785 99451

= = 142 142 42 42 00000

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

6421.5 kHz, 08-05, 0753 UTC	=11832501955252 =991054??8????? =991055??8?????
7249 kHz, 10-05, 0406 UTC	=990706??0????? =990707??0????? =990708??0?????
4206 kHz, 10-05, 1610 UTC	=991910??8????? =991911??8????? =991912??8?????
4791 kHz, 10-05, 1622 UTC	=991922??0????? =991923??0????? =991924??0?????

## **M22 - 4XZ**

**4331//6607 kHz, 23-05, 1658 UTC**

VVV DE 4XZ 4XZ = =

QT9C NR 985 TO NR 385 QQL = =  
NS7S NR 885 NL GR 02 = =  
KD3E NR 785 GZ GR 91 = =  
JE7H NR 685 RI GR 81 = =  
LH7B NR 585 NL 7T =  
HP8N NR 485 LC GR 61 = =  
QT9C NR 985 TO NR 385 QQL =  
NS7S NR 885 NL GR 02 = =  
KD3E NR 785 GG GR 91 =  
JE7H NR 685 RI GR 81 = =  
LH7B NR 585 NL GR 71 =  
HP8N NR 485 RI GR 61 ==  
QT9C NR 985 NR 385 QQL = =  
NS7S NR 885 NR GR 02 = =  
KD3E NR 755 GZ GR 91 = =  
JE7H NR 685 RI GR 81 = =  
LH7B NR 585 NL GR = =  
HP8N NR 485 LC GR 61 = =  
QT9C NR 985 TO NR 385 QQL = =  
NS7S NR 885 NL GR 02 = =

VVV DE 4XZ 4XZ = =  
AR NW QTC 1 NR 885 = =  
NR 885 NL V XM6J 806132 NS7S GR 02 = =  
NSNSN IEKEA LCFRC IZZAS SRBCK MHZZY CHNYF DFBFI IZYDB XJQCS NSBBJ LKQPT LZMAE PQEFQ RMTGU QGNDW EZFIO ISTFV  
MEAYQ IEKEA = =  
NR 885 NL V XM6J 806132 NS7S GR 02 = =  
NSNSN IEKEA LCFRC IZZAS SRBCK MHZZY CHNYF DFBFI IZYDB XJQCS NSBBJ LKQPT LZMAE PQEFQ RMTGU QGNMW EZFIO ISTFV  
MEAYQ IEKEA = =  
NR 885 NL V XM6J 806132 NS7S GR 02 = =  
AR AR

VVV DE 4XZ 4XZ = =  
AR NW QTC 1 NR 785 = =  
NR 785 GZ V RW3E 706132 KD3E GR 91 = =  
KEKEK KAXKL SRJGC ZANJO EADFI HDNXZ ZOBZJ WDWUL EZADM AQDBH PCAHA ZIMMZ YXXYS BDLYA MNEUC DMYKA SAEFL  
YDPLX KAXKA = =  
NR 785 GZ V RW3E 706132 KD3E GR 91 = =  
KEKEK KAXKL SRJGC ZANJO EADFI HDNXZ ZOBZJ WDWUL EZADM AQDBH PCAHA ZIMMZ YXXYS BDLYA MNEUC DMYKA SAEFL  
YDPLX KAAXA = =  
NR 785 GZ V RW3E 706132 KD3E GR 91 = =  
AR AR

VVV DE 4XZ 4XZ = =  
 AR NW QTC 1 NR 685 = =  
 NR 685 RI V WU7B 506132 JE7H GR 81 = =  
 JHJHJ NKUOC LXDAH QXRGU DRBQT YMGKE JCWBA ADSJE EXAHG UCCYF ZNUZK SXUBO CGXFK WDYWC XNHGT AAQWR UIQXO  
 NKUOG = =  
 NR 685 RI V WU7B 506132 JE7H GR 81 = =  
 JHJHJ NKUOC LXDAH QXRGU DRBQT YMGKE JCWBA ADSJE EXAHG UCCYF ZNUZK SXUBO CGXFK WDYWC XNHGT AAQWR UIQXO  
 NKUOG = =  
 NR 685 RI V WU7B 506132 JE7H GR 81 = =  
 AR AR

VVV DE 4XZ 4XZ = =  
 AR NW QTC 1 NR 585 = =  
 NR 585 NL V AQ1Z 306132 LH7B GR 71 = =  
 LBLBL YWLHT EGLOO NDCCL IHZFD ACSDL XYPNR KGVHW XSNIO UUWLR FDDR X KWGAB QCEKS LUQWM GQHYE SSKRI YWLST ==  
 NR 585 NL V AQ1Z 306132 LH7B GR 71 = =  
 LBLBL YWLHT EGLOO NDCCL IHZFD ACSHL XYPNR KGWHL XSNIO UUWLR FDDR X KWGAB QCEKS LUQWM GQHYE SSKRI YWLST =  
 NR 585 NL V AQ1Z 306132 LH7B GR 71 = =  
 AR AR

VVV DE 4XZ 4XZ = =  
 AR NW QTC 1 NR 485 =  
 NR 485 LC V ZB1L 206132 HP8N GR 61 = =  
 HNHNH BXDHN NMYOC PIYUN OPMBZ CKENG PUYKJ JZNRX T7JDK MEWEJ YICJN RLKSD GMNIR CSNJX SAZFE BXDHN =  
 NR 485 LC V ZB1L 206132 HP8N GR 61 = =  
 HNHNH BXDHN NMYOC PIYUN OPMBZ CKENG PUYKJ JZNRX T7JDK MEWEJ YICJN RLKSD GMNIR CSNJX SAZFE BXDHN =  
 NR 485 LC V ZB1L 206132 HP8N GR 61 = =  
 AR AR

VVV DE 4XZ 4XZ = =

## M23

Two transmissions were reported to IRUMS.  
 10-5: 591 and 24-5: 694

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

5037 kHz, 06-05, 1800 UTC GPY1 GPY1 AR  
 7402 kHz, 08-05, 0732 UTC G3ND G3ND G3NDG3ND G3ND G3ND AR

## M51a - FAV22

### FAV22 schedules:

Sat and Sun: 0700-0730 and 0820-0855 UTC  
 Mon-Fri: 0830-0900 and 1130-1200 UTC  
 Frequencies: 3881//6825 kHz

### 3881//6825 kHz, 11-05, 0714 UTC

SAMEDI / LEÇON NUMERO 2/2 VITESSE 600 CLAIR =  
 CETTE ACTIVITÉ DIVERSIFIÉE IMPOSE DE DÉVELOPPER UN SAVOIR FAIRE PERMANENT EN MATIÈRE DE TRAVAIL COLLECTIF CAR  
 LES TRAVAUX SONT LE PLUS SOUVENT CONDUITS PAR PLUSIEURS CONTRÔLEURS AUXQUELS UNE CINQUANTAINÉ DE  
 COLLABORATEURS CIVILS ET MILITAIRES APPORTENT LEUR CONCOURS ET LEURS COMPÉTENCES PARTICULIÈRES. POUR PRENDRE  
 EN COMPTE L'ÉVOLUTION DES BESOINS EN MATIÈRE D'INFORMATION, POUR AMÉLIORER LE TRAVAIL COLLABORATIF EN SON  
 SEIN OU POUR THÉSAURISER LES SAVOIRS ET SAVOIR-FAIRE DE SES MEMBRES, LE CONTRÔLE S'EST DOTÉ D'UN OUTIL DE  
 GESTION ET DE PARTAGE DES CONNAISSANCES. +

CQ DE FAV22 VA

**3881//6825 kHz, 18-05/19-05, 0615/0650 UTC**

Note: old message from 2017.

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION)

**3881//6825 kHz, 18-05/19-05, 0700 UTC**

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

**18-05: SAMEDI / LEÇON NUMERO 1/1 VITESSE 420 CODÉ =**

**19-05: DIMANCHE / LEÇON NUMERO 1/1 VITESSE 420 CODÉ =**

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

**18-05: SAMEDI / LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =**

**19-05: DIMANCHE / LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =**

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

CQ DE FAV22 VA

**3881//6825 KHZ, 18-05/19-05, 0820 UTC**

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

**18-05: SAMEDI / LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =**

**19-05: DIMANCHE / LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =**

QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156 PLOTI  
/-.`SK' QEWSR CZXSA NVHFK QWRET UGTIO VCB DG MLGKT ZXADS ?`SK'AS,  
VCDGW 63205 KHJGK ERATY XVD FS LMCKD ESVAZ QXDZA NBGHI WERQY  
96358 BVNVD ?.,/' VCD FH LKJMF WRETC ZA QXW BFGEU PLROU CXFDE  
QWAEB 47859 BCDHE .AR'AS/ EUFUS POTIY QWAES BCVDF ZCSQE QAW EV  
NVHFK LBPNO 45632 WESKD ./,?AS QWAES VBDJK LPROF XCSVW SADFG  
LKJHG ZXASW CVBFN 02365 BCDHW ?AR.,/ CVDFG XASZQ MWNGJ URYTE  
PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK CVD FB +

**18-05: SAMEDI / LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =**

**19-05: DIMANCHE / LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =**

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

CQ DE FAV22 VA

---

**3881//6825 kHz, 20-05, 0647 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION)

**3881//6825 kHz, 20-05, 0830 UTC**

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

LUNDI-LEÇON NUMÉRO 11-1/1 VITESSE 420 CODÉ =

GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGRTC XVQJA JUHKD  
VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO  
YHDT C XVSFE ZHQA KJQUH NWJFG HRTYU SKLOI MQPAZ BHPAK UJDGC

45270 37658 XVCBD WNQHA JKQLA MPLIK JNDGR VXGQJ HDKRT UJFHV  
BCNXH WJQKZ KALMP OIRTD FHCXV 01878 DHNCJ SKRTZ SJWNQ HNGTR  
XCWVS QNBHA JQKAL MQLKO PAOQL NCHFG RTDFX WBQJH GBDJX +

LUNDI-LEÇON NUMÉRO 11-1/2 VITESSE 420 CLAIR =  
PRÉS DU CENTRE D'ENTRAÎNEMENT TACTIQUE LE BATAILLON SÉNÉGALAIS ET LES MILITAIRES FRANÇAIS SONT AU GARDE À VOUS.  
A 70 KM À L'EST DE DAKAR, LES DRAPEAUX FRANÇAIS ET SÉNÉGALAIS SONT HISSÉS CONJOINTEMENT. COMME TOUS LES  
MATINS, LE RASSEMBLEMENT DONNE LE TON DE LA JOURNÉE, LES ORDRES FUSENT. UN NOUVEAU CYCLE DE SEPT JOURS  
COMMENCE. +

LUNDI-LEÇON NUMÉRO 11-1/3 VITESSE 420 CODÉ =  
GBCHX WNQJZ AKOLQ PMAIJ NBCVX GSHQJ BXJTG ERZUA QIKLA PMQJK  
IKHNG 23401 HBCJD SUJET ZUJQH AOLQP MQNHB WJUTF CJDGR UJDOL  
QPMU DJSL S WBGCN JHDGX VGDUR HDFCV 74638 UJDGS WJNQU PMAKD  
XLQUH FGCRZ SGQHA WKQJU YGHST 46329 OLDHC XBQKA UJQKL IKHNF  
CVSGZ WHQYA BWHDT QJAIK QLMAP JGHDT VXHSY ZUHSQ JWNHZ KLQPM  
HNDJS WVXBD QHAUJ TGDUR SJQKI 30187 HBCJF XJQKI HBWGD +

LUNDI-LEÇON NUMÉRO 11-1/4 VITESSE 420 CLAIR =  
LES HOMMES ET LES FEMMES DU 503E RÉGIMENT DU TRAIN ONT PARCOURU AINSI 20 KILOMÈTRES PAR JOUR, EN  
PATROUILLANT SUR TROIS SITES. DÉSIGNÉS LA VEILLE, DE 6H30 À 22H30. LE 31 JUILLET, ILS ONT SURVEILLÉ LES ABORDS DE  
NOTRE DAME DE PARIS, LES JARDINS DU CHÂTEAU DE VERSAILLES. ICI LES MILITAIRES DOIVENT ÊTRE ENCORE PLUS ATTENTIFS  
AUX DÉTAILS. +

CQ DE FAV22 VA

**3881//6825 kHz, 20-05, 1130 UTC**  
VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ

LUNDI-LEÇON NUMÉRO 11-2/1 VITESSE 420 CODÉ =  
SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA  
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDFG HCBVJ SKRYF CBXVD 46359 UJHDI KSLOP  
JHFGC GFCBX NJETD SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287  
HBCGF XNWJR DUJYG CVXKJ HSGZY WBZAJ KAI OF PAMJK UJBGT CVXJS  
ZUJKQ 27108 HAJKR GBXJS AJSUK QKOAL PMAYH JQKZU +

LUNDI-LEÇON NUMÉRO 11-2/2 VITESSE 420 CLAIR =  
A TRENTE HUIT ANS, DONT PLUS DE DIX À PARCOURIR LES SPÉCIALES DU MONDE ENTIER À HAUTE VITESSE, SÉBASTIEN LOEB  
ARRIVE ENCORE À ÉMERVEILLER SES ADVERSAIRES. C'EST INCROYABLE CE QU'IL FAIT ICI. C'EST À L'IMAGE DE CE QU'AURIOL  
AVAIT FAIT AVEC LA LANCIA EN 1992. CE WEEKEND END SEB À ENCORE MONTRÉ QU'IL ÉTAIT LE PLUS FORT DE TOUS +

LUNDI-LEÇON NUMÉRO 11-2/3 VITESSE 420 CODÉ =  
HNDJS XVWBZ QKPAH DJNCJ RTSHZ UJQKZ 63829 UJDGC VXKZO ALKFG  
JKDUJ NXVDG ZUJDL SMQOZ SBXCF DGH LR DGSHZ WJQKR DGVFH CNXJR  
UJDBC OLRTS WJQKA ZOKDL 46372 BXNWJ SJQKZ AOLPF GCBXJ SKZUY  
PMJHF BCVRT DYZKP SKZPI KUJFH XVC GC XHNDJ RUGHS ZKQMP ZUJDG  
OYHFG CBXKR SGZUJ SKQIK ZUJPS HXBCH NBVJT 84735 HBCJD XNSJR  
PJBLR DMSKN WNQKP DHBCK RTDGS PLHJR DGCJZ SJZUC VXKJH +

LUNDI-LEÇON NUMÉRO 11-2/4 VITESSE 420 CLAIR =  
ENTRE OCÉAN, LAC ET FORÊT, UN MONDE FASCINANT POUR LES AMOUREUX DE NATURE ET DE PLAISIRS NAUTIQUES, IDÉAL  
POUR DES VACANCES EN FAMILLE. SITUÉ AU BORD DU SUPERBE LAC DE BISCARROSSE, AU COEUR D'UNE FORÊT DE PINS ET DE  
CHÊNES, À 4 KM DE L'OCÉAN, LE VILLAGE CLUB EST ENTOURÉ D'UNE NATURE MÉLANT L'AIR TONIFIANT DE LA MER ET LES  
SENTEURS PARFUMÉES DES PINS. +

CQ DE FAV22 VA



**3881//6825 kHz, 21-05, 0800 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION)

**3881//6825 kHz, 21-05, 0830 UTC**

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

MARDI-LEÇON NUMÉRO 12-1/1 VITESSE 600 CODÉ =

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

MARDI-LEÇON NUMÉRO 12-1/2 VITESSE 600 CLAIR =

UNE DEUXIÈME JOCONDE HABITE DÉSORMAIS À PARIS. ON NE SAIT PAS ENCORE OU, PUISQUE ZLATAN N'A TOUJOURS PAS TROUVÉ SON APPARTEMENT DANS LE CAPITALE. MAIS ON SAIT DÉJÀ QUE L'INTERNATIONAL SUÉDOIS À L'ÉGO AUSSI DÉMESURÉ QUE LE TALENT SERA L'ATTRACTION DE LA L1. LA DERNIÈRE FOIS QU'IL A MARQUÉ MOINS DE 10 BUTS, C'ÉTAIT EN 2005-2006. +

MARDI-LEÇON NUMÉRO 12-1/3 VITESSE 600 CODÉ =

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA  
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDFG HCBVJ SKRYF CBXVD 46359 UJHDI KSLOP  
JHFGC GFCBX NJETD SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287  
HBCGF XNWJR DUJYG CVXKJ HSGZY WBZAJ KAI OF PAMJK UJBGT CVXJS  
ZUJKQ 27108 HAJKR GBXJS AJSUK QKOAL PMAYH JQKZU +

MARDI-LEÇON NUMÉRO 12-1/4 VITESSE 600 CLAIR =

DE PÉKIN À LONDRES LA LÉGENDE S'ÉCRIT : CE JOUR LÀ, BOLTE ENTRE DANS LA LÉGENDE EN DEVENANT LE PREMIER HOMME À DESCENDRE SOUS LES 9 SEC 7 (9 SEC 69) AU 100M AVEC UNE FACILITÉ QUI MARQUERA LES ESPRITS À JAMAIS. IL COUPE SON EFFORT DANS LES DIX DERNIERS MÈTRES AU POINT QUE LES EXPERTS DU MONDE ENTIER SERONS APPELÉS AU CHEVET DE LA PERFORMANCE POUR ÉVALUER CE QU'IL AURAIT PU FAIRE. +  
CQ DE FAV22 VA

**3881//6825 kHz, 21-05, 1130 UTC**

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

MARDI-LEÇON NUMÉRO 12-2/1 VITESSE 600 CODÉ =

GBCHX WNQJZ AKOLQ PMAIJ NBCVX GSHQJ BXJTG ERZUA QIKLA PMQJK  
IKHNG 23401 HBCJD SUJET ZUJQH AOLQP MQNHB WJUTF CJDGR UJDOL  
QPM AU DJSL S WBGCN JHDGX VGDUR HDFCV 74638 UJDGS WJNQU PMAKD  
XLQUH FGCRZ SGQHA WKQJU YGHST 46329 OLDHC XBQKA UJQKL IKHNF  
CVSGZ WHQYA BWHDT QJAIK QLMAP JGHDT VXHSY ZUHSQ JWNHZ KLQPM  
HNDJS WVXBD QHAUJ TGDUR SJQKI 30187 HBCJF XJQKI HBWGD +

MARDI-LEÇON NUMÉRO 12-2/2 VITESSE 600 CLAIR =

NOTRE RICARD QUI EST BIEN AU FRAIS, QUE TA BOUTEILLE SOIT SANCTIFIÉE, QUE TA VOLONTÉ SOIT FAITE, AU BAR COMME AU COMPTOIR, DONNE NOUS AUJOURD'HUI NOTRE VERRE QUOTIDIEN, PARDONNE-NOUS NOS GUEULE DE BOIS, COMME NOUS PARDONNONS AUSSI A CEUX QUI BOIVENT DU COCA, SOUMETS-NOUS À LA TENTATION, ET DÉLIVRE-NOUS DE LA SOIF, AMEN  
TON VERRE! +

MARDI-LEÇON NUMÉRO 12-2/3 VITESSE 600 CODÉ =

HNDJS XVWBZ QKPAH DJNCJ RTSHZ UJQKZ 63829 UJDGC VVKZO ALKFG  
JKDUJ NXVDG ZUJDL SMQOZ SBXCF DGHLR DGSHZ WJQKR DGVFH CNXJR  
UJDBC OLRTS WJQKA ZOKDL 46372 BXNWJ SJQKZ AOLPF GCBXJ SKZUY  
PMJHF BCVRT DYZKP SKZPI KUJFH XVCGC XHNDJ RUGHS ZQMP ZUJDG  
OYHFG CBXKR SGZUJ SKQIK ZUJPS HXBCH NBVJT 84735 HBCJD XNSJR  
PJBLR DMSKN WNQKP DHBCK RTDGS PLHJR DGCJZ SJZUC VVKJH +

MARDI-LEÇON NUMÉRO 12-2/4 VITESSE 600 CLAIR =

\ LES FEMMES SERONT L'ÉGALE DES HOMMES LE JOUR OU ELLES ACCEPTERONT D'ÊTRE CHAUVES ET DE TROUVER ÇA DISTINGUÉ  
\ Y'A UN TRUC QUI EST SUR QUAND ON EST MINISTRE, C'EST QU'ON NE RETOURNERA PAS À L'ÉCOLE, TANDIS QU'EN PRISON FAUT VOIR  
\ EN ECOSSE, UN HOMME A ÉTÉ ARRÊTÉ POUR ATTENTAT À LA PUDEUR ... PARCE QU'IL S'ÉPONGEAIT LE FRONT AVEC

SON KILT \ COLUCHE. +

CQ DE FAV22 VA

**3881//6825 kHz, 22-05, 0830 UTC**

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

MERCREDI-LEÇON NUMÉRO 13-1/1 VITESSE 720 CODÉ =

BHCGF DUEJS QKALP MQLOI RTDHS WVXCD FSGQU JQKAO LQMNJ DBXVF  
WNSJQ AUJTG HBCVD 45278 10945 SCXVN QNHJA ZUJDI QKALP MLIKH  
UJHNB CGDTE SGQTA ZGWJQ AJQKL 23492 HBCGD XNWQJ SDZOL APMQJ  
HGBCV KQLAO UJFGC XVDTR 45378 WBDGY 68642 DHBXJ QNJAK LWNQI  
UJDOL IKHBV FGCUR SJNWK QKLAM PLATF RUDGC XVWSH QNBHJ DKJKI  
XGDHS WHNDK QKAUI RTDFS XNHJD JKJHG QKLAM LPWOR DFZHW XVCHS  
DUJQK YHWH D XCVSH QNBHW 23528 6YERS XCWHQ HNGTR 65473 HSJQK  
JQKHN XCDGZ 352// HNCVX SJQUA JQKLP MQJBG RTDFC XVWHQ YHTRF  
VXCWD QHAUJ QKALP 45739 BHCGF RTSHQ AIKDG XVWBQ ZYAJK +

MERCREDI-LEÇON NUMÉRO 13-1/2 VITESSE 720 CLAIR =

DEPUIS 2008, LA MISSION DE CONSOLIDATION DE LA PAIX EN RÉPUBLIQUE CENTRAFRICAINE PERMET L'INTERVENTION DE LA FORCE OPÉRATIONNELLE D'AFRIQUE CENTRALE POUR GARANTIR LA STABILITÉ DU PAYS. LA MISSION DU DÉTACHEMENT BOALI EST D'ACCOMPAGNER LES AFRICAINS ET D'ASSURER LE SOUTIEN TECHNIQUE ET OPÉRATIONNEL DE CETTE FORCE INTERNATIONALE. LES FORCES ARMÉES SONT RENFORCÉES PAR LA COLLABORATION D'ARMÉES ÉTRANGÈRES APPARTENANT A LA FOMAC. +

MERCREDI-LEÇON NUMÉRO 13-1/3 VITESSE 720 CODÉ =

FVXGQ AHWJQ AJKQL AMPOU HNXJD SHWBD RTSUA JQIKD XHSIR ZUQYH  
CWVQH AJNWK QLAKU 45723 ZUJDG XVWHQ 65107 DGSHA BWNDG OLAUH  
BCHDF XVWHS QHUYR DGXHS MBQHZ AJKQI BWHDR 54738 UJGBV XGDRE  
IGQHA WHNQJ AIKOQ LPAUH GDVXR DFCXH WBSHQ JAYHF OLHNG CBXHR  
46538 19053 SHBXJ QNWJR ZYHSU AKQLA OLPQJ IKHGT VCBHD JSKQL  
EUJHL QMLOK NWHDF SGQHZ AUJDG SKQLA NJFGR TSYQH WBCHD ZUAHD  
45376 ZUHSK QNVHF BTDFS WCQUA IKJKL AMPNH VXHDR QGWHE ZYGSE  
WCGQB UJQKI 35271 BWJNG CBXHR GBXCP QHAYT 35271 GBWHQ JKALP  
MWBXH DGVXH ZYHSU QJNAW AUJGT AJGVB 67013 47282 HBXVC WNQJK  
ALMPQ JHYTG DFSVX WNHQU AJKMQ +

MERCREDI-LEÇON NUMÉRO 13-1/4 VITESSE 720 CLAIR =

LE RACCORDEMENT DU SYSTÈME D'INFORMATION DES RESSOURCES HUMAINES (SIRH) CONCERTO AU CALCULATEUR LOUVOIS EST EFFECTIF DEPUIS LE 1ER OCTOBRE 2011. CETTE INNOVATION, DE TRÈS GRANDE AMPLEUR, VISANT À AUTOMATISER LE CALCUL DE LA SOLDE DES MILITAIRES, S'INSCRIT DANS LE FUTUR PROJET INTERMINISTÉRIEL (2016) D'ORGANISME NATIONAL DE PAYE. UN PREMIER BILAN POSITIF : L'ÉVOLUTION DES RÉSULTATS ENTRE LES MOIS D'OCTOBRE 2011 ET JANVIER 2012 MONTRE UNE DIMINUTION RÉGULIÈRE DES ANOMALIES. +

CQ DE FAV22 VA

**3881//6825 kHz, 22-05, 0914 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) .

**3881//6825 kHz, 22-05, 1130 UTC**

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

MERCREDI-LEÇON NUMÉRO 13-2/1 VITESSE 720 CODÉ =

GDFSJ ZUHDF XCAIK LOMAI PQKAU DHSJR ZTGSB BVCFX WNSJZ QKAUI  
UFOLA MPLKJ HNBVF CXHSU AJQKD XKNJI 52718 9462/ HNCVS WNSGR  
PMLDF HNERZ CXVWH ZUJSK AIKQJ HNXVS WHZRT AUJSL WOKLJ NQHDG  
YHDGS XVCHZ TSGQJ AOLQP MAUJG 27489 JNVBF XGSHA 23482 HNXVD  
SHAZJ OLDHB NCJRY DFXCS WBQHZ AJKSM QPJKV BXNDH ZUHSJ QKNHY  
GBCKR YHGBV CNDFR SJOLQ LPAMU UJHGD VWCXG DHRTZ QJNAU JKQLZ  
IKHBY DGXVC BCUJ SKLAZ PMJKL 74538 ZUJGV XBSJZ QJNKA KLQPO  
IOBNG UHNBG VFCKO LAZSO WLKNP FVSHL MAOKP SHQJL BHDGX WVDJR  
CJNGH YUZGW XNSJK ALPMD XHNFJ RTSU3 46378 HGCB D WNSDZ AJKQL

PMYGV +

MERCREDI-LEÇON NUMÉRO 13-2/2 VITESSE 720 CLAIR =

\ SCIENTA POTESTAS EST \ S'IL EST UN DOMAINE À LA FOIS PRIMORDIAL ET INCONTOURNABLE, ET QUI NE DOIT JAMAIS ÊTRE LAISSÉ AU HASARD, C'EST BIEN CELUI DE LA FORMATION, QU'ELLE SOIT INITIALE OU CONTINUE. EN EFFET, RIEN DE PLUS ESSENTIEL, POUR UNE ARMÉE À FORTE CONNOTATION TECHNOLOGIQUE MAIS DONT LA FORCE DÉCOULE DE SON POTENTIEL HUMAIN QUE DE POUVOIR INCULQUER À SON PERSONNEL LES CONNAISSANCES ET LES SAVOIRS FAIRES POUR LA MISE EN ŒUVRE DE SYSTÈMES COMPLEXES. +

MERCREDI-LEÇON NUMÉRO 13-2/3 VITESSE 720 CODÉ =

PALKF HCBDU RTSJZ QJAKI DKLSV WBQHA JKQIO LKDGR VXCDG CBXVM  
YHFGC BSKLA IKQLS DLMXB VWHRT 27648 01984 DHNVX WBSHZ QJKAI  
KLSGF CGVXO LAIJH BXNDY RZYSU QJAIK SKHNQ WCXYR TJGBC VJAPL  
UJDGB ZYHSK 376/3 DHBXJ QKALP SJHGB CVRPA LKHNB CJDUR UJDVG  
XBSJZ QJNWN LAUZR DHBCN XJSUK QLKFG CHNDU HJSTY IKGHD VXB DG  
35271 HNVCH 45383 SHBXJ QJAKL DGFUY HVCND ETDFX IKDHB VDP AJ  
CHFGT SJWNS KQLAI UJDGC BXHRT DHSKZ QJKSG UJGBC VSHRT SJQHU  
35473 SJAKI UHFGC 563/9 HNVXJ SJAKL SMQPO IKHNB CGDLR DHFCV  
FGCKL SJNWK ZUHGC VFRZT SHBWN JSKLZ QLHJR GBCJT +

MERCREDI-LEÇON NUMÉRO 13-2/4 VITESSE 720 CLAIR =

DANS UN CONTEXTE OU RATIONALISATION ET EFFICIENCE SONT DEVENUES MAÎTRE-MOTS, L'ARMÉE DE L'AIR AURA SU CONSERVER SA CAPACITÉ À INSTRUIRE. DANS UNE DÉMARCHÉ INTERARMÉES, ELLE FORME DÉSORMAIS TOUS LES TECHNICIENS AÉRONAUTIQUES DE LA DÉFENSE, AU SEIN DE L'ÉCOLE DE ROCHEFORT. ELLE EST ÉGALEMENT OUVERTE AUX ÉTRANGERS POUR DES MÉTIERS POINTUS COMME CELUI DE PILOTE DE CHASSE, OU, EN PLEINE COOPÉRATION AVEC LES BELGES, ELLE S'EST DOTÉE D'UNE ÉCOLE AYANT UNE ENVERGURE EUROPÉENNE. ELLE DÉTIENT UNE EXPERTISE RECONNUE PAR L'OTAN AU PROFIT DES FUTURS CONTRÔLEURS AÉRIENS. +

CQ DE FAV22 VA

---

**3881//6825 kHz, 23-05, 0650 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) .

**3881//6825 kHz, 23-05, 0830 UTC**

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

JEUDI-LEÇON NUMÉRO 14-1/1 VITESSE 840 CODÉ =

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

JEUDI-LEÇON NUMÉRO 14-1/2 VITESSE 840 CLAIR =

LÉGALEMENT, RIEN NE VOUS OBLIGE À DÉNONCER LE RESPONSABLE (ARTICLE 121 DU CODE DE LA ROUTE).CONTENTEZ VOUS DONC DE LA RAPPELER ET NE LÂCHEZ RIEN. DÈS LORS QUE VOTRE CULPABILITÉ N'EST PAS ÉTABLIE, VOUS ÉCHAPPEREZ AU RETRAIT DE POINTS, MAIS PAS À L'AMENDE (PRINCIPE DU PROPRIÉTAIRE PAYEUR) SAUF SI VOUS PARVEZ À DÉMONTREZ QUE VOUS... +

JEUDI-LEÇON NUMÉRO 14-1/3 VITESSE 840 CODÉ =

BHCGF DUEJS QKALP MQLOI RTDHS WVXCD FSGQU JQKAO LQMNJ DBXVF  
WNSJQ AUJTG HBCVD 45278 10945 SCXVN QNHJA ZUJDI QKALP MLIKH  
UJHNB CGDTE SGQTA ZGWJQ AJQKL 23492 HBCGD XNWQJ SDZOL APMQJ  
HGBCV KQLAO UJFGC XVDTR 45378 WBDGY 68642 DHBXJ QNJAK LWMQI  
UJDOL IKHBV FGCUR SJNWK QKLAM PLATF RUDGC XVWSH QNBHJ DKJKI  
XGDHS WHNDK QKAIU RTDFS XNHJD JKJHG QKLAM LPWOR DFZHW XVCHS  
DUJQK YHWH D XCVSH QNBHW 23528 6YERS XCWHQ HNGTR 65473 HSJQK  
JQKH XCDGZ 352// HNCVX SJQUA JQKLP MQJBG RTDFC XVWHQ YHTRF  
VXCWD QHAUJ QKALP 45739 HBCGF RTSHQ AIKDG XVWBQ ZYAJK +

JEUDI-LEÇON NUMÉRO 14-1/4 VITESSE 840 CLAIR =

LES FORCES DE L'ORDRE NE SONT PAS HABILITÉES À SE SAISIR DE VOTRE TÉLÉPHONE, NAVIGATEUR OU AVERTISSEUR POUR S'ASSURER QU'IL EST CONFORME À LA NOUVELLE RÉGLEMENTATION. SON CONTENU EST STRICTEMENT PRIVÉ (TOUT COMME L'INTÉRIEUR DE VOTRE AUTO, D'AILLEURS, DANS LAQUELLE ILS NE PEUVENT PÉNÉTRER). ET SI PAR EXCÈS DE ZÈLE, L'AGENT VOUS DEMANDE DE LA FAIRE FONCTIONNER À SA PLACE. +

CQ FAV22 VA

**3881//6825 kHz, 23-05, 1130 UTC**

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

JEUDI-LEÇON NUMÉRO 14-2/1 VITESSE 840 CODÉ =

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA  
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDFG HCBVJ SKRYF CBXVD 46359 UJHDI KSLOP  
JHFGC GFCBX NJETD SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287  
HBCGF XNWJR DUJYG CVXKJ HSGZY WBZAJ KAI OF PAMJK UJBGT CVXJS  
ZUJKQ 27108 HAJKR GBXJS AJSUK QKOAL PMAYH JQKZU +

JEUDI-LEÇON NUMÉRO 14-2/2 VITESSE 840 CLAIR =

DANS LES ANNÉES 1990 , LES ÉCOLES ONT ÉGALEMENT COMMENCÉ À SE Doter D'OUTILS DE SIMULATION CONSTRUCTIVE POUR TRAVAILLER LA TACTIQUE. NOTRE OBJECTIF EST NON SEULEMENT DE FAIRE ACQUÉRIR À NOS STAGIAIRES DES SAVOIRS ET UNE TECHNIQUE IRRÉPROCHABLE, MAIS AUSSI D'ENTRAINER L'INTELLIGENCE DES CHEFS EN LES PRÉPARANT AUX ENGAGEMENT À VENIR. +

JEUDI-LEÇON NUMÉRO 14-2/3 VITESSE 840 CODÉ =

GVXHS WNQHA IKDLS MWPZY DGS HA NWJDU DGRUJ WKLSP NJWKE UJSHZ  
OKHJD BXHRT 36271 IUJFG CBSJZ WHNSL KOLWM AUJDG XBCFV WHNSK  
OLMQH AYHDG XVCFD BWJZU XIDKC XKJDU HNDIC VPMRY 65378 KLSGQ  
WNBHD XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY  
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD  
FKSLR WCXEV HNFLA PHFCT WVXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ  
SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV  
BXGRT DFXCS JNCGV YHXJZ JWKAO KLUWY HNCRD XVCHZ YHWJZ PLGCV  
TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHDUJ  
VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGS HZ LKFHT KHDYT XVDJK +

JEUDI-LEÇON NUMÉRO 14-2/4 VITESSE 840 CLAIR =

AU TOTAL, LA SANCTION PRONONCÉE CONTRE GROSJEAN EST CONSTITUÉE D'UNE EXCLUSION DE MONZA ET D'UNE AMENDE DE 50000\$. IL POUVAIT POTENTIELLEMENT BLESSER D'AUTRES PILOTES. IL A COMMIS UNE FAUTE EXTRÊMEMENT SÉRIEUSE ET UNE ERREUR DE JUGEMENT DIT LA SENTENCE SIGNÉE PAR TROIS COMMISSAIRES ET LE PILOTE PROFESSIONNEL DE SERVICE, ELISEO SALAZAR QUI A COURU EN F1ET EN INDYCAR. +

CQ FAV22 VA

**3881//6825 kHz, 24-05, 0830 UTC**

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

VENDREDI-LEÇON NUMÉRO 15-1/1 VITESSE 960 CODÉ =

HBCJX NWHSF ATSGQ JKWLA MQPOI AKOSL QJNUR DTGSF CXHWU ZJQKA  
GDJSU 45632 ZIJSK XNBWJ 76018 HNDJX CHTYD QJKAL WNJKQ MALIK  
IKJQN CXFDR WHNQJ AKJQL KIJHD BXVSF ZTAYH SJNHJ RYGDW DFSGD  
JWNYH FKSQK LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM  
HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGDY GDOLQ GBCHX WNQJU  
CGDHA JQKAO LQMAO JNVGD XCWVQ HBWJA UHYGT RFSJQ GBCHX WNQJA  
QGDJS WNHYR JKSLQ AOLKJ BCJFG XVDGR SYHZU OLQJH BCJOD XCSLA  
WLWLW DGBUS 53762 QHNWJ AOLJK FGCHS GKQLZ OLQMW BXNDG ZRSDO  
LAMPK HBCJD XIJXK UJSOK 65038 MAHDG XCFSK QLAIU HDJSK QMAPI  
UJDGB XGDVR ZTGSU AJQKL PAMKF IAOHO DGXVS HNWOR ZTSFA KLQMA  
OKIHU YGFTR 10964 BCNDH XJQKE SIKAP UJDLQ BWNER ZYHSI QKALM  
WMAPL WNCVF PMAUJ YHTGR CGDTR 45393 NXHRT +

VENDREDI-LEÇON NUMÉRO 15-1/2 VITESSE 960 CLAIR =

POUR LES MILITAIRES DU RANG QUI SOUHAITENT DEVENIR SOUS-OFFICIER, IL Y A DEUX POSSIBILITÉS : PASSER PAR LA VOIE SEMI-DIRECTE, OU PAR LE RECRUTEMENT RANG. LA VOIE SEMI-DIRECTE EST AU CŒUR DU RECRUTEMENT DES SOUS-OFFICIERS CAR BIEN QUE PLUS EXIGEANTE EN DÉBUT DE PARCOURS, ELLE OUVRE LARGEMENT LES PERSPECTIVES DES CARRIÈRES JUSQU'AUX GRADES LES PLUS ÉLEVÉS DU CORPS DES SOUS-OFFICIERS. COMME DANS TOUS LES RECRUTEMENTS, PLUS ON EST RECRUTÉ JEUNE, PLUS ON A LA POSSIBILITÉ DE DÉROULER UN PARCOURS PROFESSIONNEL ATTRACTIF ET COMPLET, SOULIGNE LE LIEUTENANT-COLONEL, DU BPRH LA DRHAT. +

VENDREDI-LEÇON NUMÉRO 15-1/3 VITESSE 960 CODÉ =

GFCDX QHNWJ AUJDT 35627 9017/ HNXVW SHQJA ZUHDT SJKQM PLIKB  
CGCFD XBWCD QHJAK QKOLA YHDGR HDFSU ZKQLP LSHGR PABHF PAHDF  
XHBFG WNQJY TGDFC XHSYR 68393 BWJFY CHQJZ JWNHF UJAFQ LDKPD  
HSPLB CHFTR WNHDU AJIDO SKQGR ZHQJC BXJQK WLAIJ UTYDF POGUT  
OFGCR XOKQL SJUTC 65381 YHBIJ KQGTD 563// HBCJR QKALP GBCHR  
QKAJU YHDOQ LPMAU HBCGV XNWS QJHBT DUJZI QKAOH GBCOQ BWNHT  
MLAUH VBDTR SGQHA HWJQK AKLPA BHCYT FGSUJ HWXCD SHVWC XJDUY  
HBKLM MQNBH XHTGF SHQUJ HNVFR 54783 MPJUG HXCDY SJQIA NVGDY  
QHWVF XHQJR SUJAO QMAHJ DHBVX WHFTR SJKAL OQFGO BXJGY 96740  
YHDVC XVFRT /5637 HWBXI AKQLP MQBGT CVXJQ ZUJFK SKQMA MLGBH  
DFXRS QHAUY DHSJR KLQGT VXHER 46387 VGDHU BJDFR WBQJH LMQHM  
VBXHT DFSJH HSIES CWVXH CJHQL MPJKY HGBVT CFDJD +

VENDREDI-LEÇON NUMÉRO 15-1/4 VITESSE 960 CLAIR =

ORGANISÉE EN NORVÈGE TOUS LES 2 ANS, CETTE MANŒUVRE MULTINATIONALE INTERARMÉES DE NIVEAU OTAN OFFRE UN CADRE D'ENTRAÎNEMENT ET DES CONDITIONS EXTRÊMES UNIQUES EN EUROPE. ENVIRON 15000 HOMMES ET PLUS DE 14 NATIONS Y PARTICIPENT. NORVÈGE, GRANDE-BRETAGNE, ALLEMAGNE, SUÈDE, FINLANDE, CANADA, BELGIQUE, ETC..., TOUS ONT DÉTACHÉ POUR L'OCCASION DES UNITÉS SPÉCIALISÉES. C'EST CONFIRMÉ ET RECONFIRMÉ: LE PONT DE SKOGSTAD VIENT D'ÊTRE DÉTRUIT PAR L'ENNEMI. IL FAUT REVOIR NOTRE MANŒUVRE, ANNONCE LE CHEF DE BATAILLON PIERRE LOKNER, CHEF DES OPÉRATIONS. DANS LA TENTE DU POSTE DE COMMANDEMENT, SOUS LA LUMIÈRE DES NÉONS, C'EST L'EFFERVESCENCE. +

CQ DE FAV22 VA

**3881//6825 kHz, 24-05, 0940 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

**3881//6825 kHz, 24-05, 1130 UTC**

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VENDREDI-LEÇON NUMÉRO 15-2/1 VITESSE 960 CODÉ

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

VENDREDI-LEÇON NUMÉRO 15-2/2 VITESSE 960 CLAIR =

L'IDÉE, C'EST DE MISER SUR LE POTENTIEL ET NON SUR LE FAIT D'AVOIR DÉJÀ TENU UN POSTE DE NIVEAU SUPÉRIEUR. SUR LES 2 200 SOUS-OFFICIERS QUI SERONT RECRUTÉS CETTE ANNÉE, PLUS DE 1200 SERONT L'ORIGINE SEMI-DIRECTE. CETTE ÉVOLUTION EST RENDUE POSSIBLE GRÂCE À L'ASSOUPLISSEMENT DES CONDITIONS DE CANDIDATURE. À PARTIR DE 2012, LE RECRUTEMENT SEMI-DIRECT EST DÉSORMAIS OUVERT AUX EVAT QUI SE SITUENT DANS LE CRÉNEAU DE LA 3 EME À LA 9 EME ANNÉE DE SERVICES ET NON PLUS DANS CELUI DE LA 3 EME À LA 7 EME ANNÉE DE SERVICE. LES OBJECTIFS DU PARCOURS PROFESSIONNEL DEMEURENT LES MEMES : OBTENIR LE BSTAT, ACCÉDER AU CORPS DES SOUS-OFFICIERS DE CARRIÈRE ET DEVENIR ADJUDANT-CHEF AU MAJOR. +

VENDREDI-LEÇON NUMÉRO 15-2/3 VITESSE 960 CODÉ =

ASJSK WKQNZ AIKDL XBCPR SJQHZ NXCSJ QKZIJ QKPAM LHNFG NXJRY  
UJDMZ JNPDM XBDGR 37658 29816 YGDBC VXJSU RTGFJ SNXJS AKPQM  
OLFHD VXBRY SUJZK QLAPM KNGDJ CBTYR FHCVS SJZIK QLAPO MAUJF  
KGKSJ BCNXJ DKRTS ZUJSK 5728/ JNCHD XVSJR UJSOZ PLAUJ HNCKF  
MSHDM NLRUG BCNFH CKXLS KKDJU YHFGC VLSPM XBDGR YSHZI ZJSKA  
UJSIL 637/8 TGDJS BXNWJ QKAOL DJFGT SHJSK QKALP MQKGB CVDGR  
SJRTD XVSZK KWLQO YHDKL SLPSM HSHSH ERDCX ZUJQM OAMPH 20178  
YH DUJ CBXJR SUJZO QKAHJ 45372 DFXVC HWNQK OLDGR YHDKZ IKSLA  
YHDKS VXBWK SKQLR SIZKP ALMDJ NCJTY BGCBD XNSJZ QJAKL DJNHY  
PLKGH YUDGC XBDGT 47382 683/0 NCJFH TYDGS XVWJS KALPM KIJYH  
DGCXV OLFHC BXNDJ SKERD SGZUJ QKALP MQJNH BCKFT RGSZH UJSKZ  
WNQJZ YHNBV HDKLS PAHFJ CBXJF DGFED KFGCB TYAFJ 47387 NJCBF  
XJSKM +

VENDREDI-LEÇON NUMÉRO 15-2/4 VITESSE 960 CLAIR =

LA PRISE DU PONT, PROGRAMMÉE POUR LE LENDEMAIN, DEVAIT PERMETTRE AU BATAILLON FRANÇAIS D'OUVRIR AU RESTE DE LA BRIGADE NORVÉGIENNE L'AXE ÉCHO 6, LA ROUTE PRINCIPALE EN DIRECTION DU NORD. C'EST AU GTIA D'OUVRIR LA MARCHÉ. IL DOIT TROUVER UN AUTRE MOYEN DE FRANCHIR CETTE COUPURE HUMIDE. DANS LA NUIT, LE SERGENT-CHEF S'INFILTRÉ AVEC SA SECTION. D'ABORD EN VÉHICULE ARTICULÉ CHENILLÉ, PUIS À PIED, IL VA RECONNAÎTRE LA ZONE. ON DISPOSE DE PLUSIEURS TECHNIQUES, MAIS CERTAINES SONT PLUS ADAPTÉES AUX CONDITIONS CLIMATIQUES. ICI, CE QUI EST INTÉRESSANT, C'EST LA GLACE : ON L'A SONDÉE ET C'EST BON, ELLE PEUT SUPPORTER LE PASSAGE DES VÉHICULES. +

CQ DE FAV22 VA

---

**3881//6825 kHz, 25-05, 0520 UTC**

SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

**3881//6825 kHz, 25-05, 0700 UTC**

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ  
SAMEDI 2/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =  
FSIIF VNFJD BCTWL CBXND QIWUD CNCZZ MNHLP YVBFS QEAXC 32569  
VCSGW ,.SK'/ QRXVC VMFKE PTOIY MJFSD AQEZC VNFMG LGKHI POUIY  
87965 NCJKW .?AS', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY  
OPIYU 45698 BCSHW .?,AR' LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY  
QIUOF MVNFH 02368 BCSMW ?.AS SK, MBNCX VFGER POQAS XCFDE JGHNF  
LKWUE VBCND MLFKG 54796 BSHWL ='/?.? ASQEX VMDSO EWGDD LBKGI  
'.,?. NCDJE 25893 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLGX ASDWG  
VBNFK 26318 BSHWK 36980 KHJCM LGDHJ CBETJ AQWOT +

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

AUJOURD'HUI, CES VALEURS, CETTE TRADITION, CETTE COHÉSION EXEMPLAIRE MAIS AUSSI CETTE INTÉGRATION RÉUSSIE FONT PARTIE DE LA RICHESSE NATIONALE. NOTRE JEUNESSE EST UN ATOUT POUR NOTRE PAYS ET POUR L'EUROPE ET JE SAIS COMBIEN NOS ARMÉES SAVENT DÉVELOPPER LEURS ÉNERGIES ET LEURS TALENTS. LA FRANCE AURA PLUS QUE JAMAIS BESOIN DEMAIN, DANS UN MONDE INSTABLE, D'ARMÉES DE TRÈS HAUT NIVEAU. J'ASSUMERAI PLEINEMENT LES RESPONSABILITÉS QUI SONT LES MIENNES POUR DÉFINIR, SOUS LA DIRECTION DU PRÉSIDENT DE LA RÉPUBLIQUE ET DU PREMIER MINISTRE, L'AVENIR DE NOTRE SYSTÈME DE DÉFENSE ET LES REFORMES QUI SONT NÉCESSAIRES À NOTRE PAYS ET À NOS ARMÉES AINSI QU'A LA VALORISATION DE NOS INDUSTRIES. +

CQ DE FAV22 VA

**3881//6825 kHz, 25-05, 0820 UTC**

VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ  
SAMEDI 2/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =  
DJKJF ERYRI VPLTO BCVDS ZXASQ MVLGK OYPUI GFHDJ CSRED 16580  
BCJWI .,?AS= LMPOY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO  
.?.,' BCHDE 42369 LAPQI WNSYV VCSDW AQLFP RHFUS BCDWV NKGIR  
BCXWY 54783 CBHQA SK'/. , YHHBY CXDWE VNYEA AWQEV XVSFW MBFUR  
AWQLG RYUSN 14790 XMLPO ,.AS?SK AJAUW XCSAR LDOEJ GMNRY XBSTW  
DSEWX VNFJE LEPWM 65874 VZQJA +/SK. , ASZXW CHYDE KFOLG VCRWT  
CXARQ MFYRU NFNFY AEQDS 12680 GBDHE /.'?.? VSWFG XASZW HDJWU  
LFPRO CXWRG LSHDF VXRAU CLNOP 54103 BCUEL ,.?'/ BCEUF LGPTO

VZAXW +

SAMEDI 2/LEÇON NOMÉRO 2/2 VITESSE 600 CLAIR =

LE PRIX DU GRAND JURY REVIENT À DANIEL GRENON POUR \ HARKIS SOLDATS ABANDONNÉS \. CE LIVRE RASSEMBLE DES TÉMOIGNAGES DE CES SOLDATS ET AUSSI D'OFFICIERS, \ HOMMES D'HONNEUR \, 50 ANS APRÈS LES ACCORDS D'ÉVIAN. PRÉFACÉ PAR LE ROMANCIER ET DOCUMENTARISTE PIERRE SCHÆNDÆRFFER, \ HARKIS, SOLDATS ABANDONNÉS \ DONNE LA PAROLE À SIX HARKIS ET QUATRE \ HOMMES D'HONNEUR \. 50 ANS APRÈS LA GUERRE D'ALGÉRIE, DANS CES TÉMOIGNAGES INÉDITS, ILS REVIENNENT SUR LEUR PASSÉ, OÙ HISTOIRE PERSONNELLE ET HISTOIRE SE SONT MÊLÉS. +

CQ DE FAV22 VA

**3881//6825 kHz, 27-05, 1835 UTC** SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

**3881//6825 kHz, 28-05, 1348 UTC** SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION)

**3881//6825 kHz, 29-05, 1630 UTC** SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).

## ***M89 - Chinese military***

**3249.8 kHz, 12-05, 1858 UTC i.p.**

61F2/GOP6 AR

NR 004/EX 0809 =

B1F2/GOP6 AR

NR 004/EX 0809 =

B1F2/GOP6 AR QSY 30

93DW (Cont'd)

FFF NR 005/EX 0812 =

Z9M1/OJP3 AR

NR 005/EX 0812 =

Z9MJ/OJP3 AR

NR 005/EX 0812 =

Z9MJ/OJP3 AR QSY 19 QSY 19 QSY 19 QSY 19

LE2M (Cont'd. Moved to 3269.8kHz)

**3269.8 kHz, 12-05, 1858 UTC i.p.**

E5P6/RTRM AR3 AR

NR 006/EX 0815 =

E5P6/JJQ3 AR

NR 006/3X 08 15 =

E5P6/JJQ3 AR QSY 20 QSY 20 VVV

RBP3 (Cont'd)

FFF NR 007 QSY SW QSY SW

FFFF NR 007/EX 0818 =

JJM2/T3W4 AR

NR 007/EX 0818 =

JJM2/T3W4 AR

NR 007/EX 0818 =

JJM2/T3W4 AR QSY .. VVV (Having problems with his keying)

D4WC (Cont'd)

FFF NR 009/EX 0... .../ENS. AR

NR 008/EX 0821 =

U5S6/E7B8 AR

NR 008/EX 0811 =

U5S6/E7B8 AR QSY 14 QSY 14 VVV (1912z)

VSBU (Cont'd)

FFF NR 009/EX 0834 =

A12 (moved to 3549.8 kHz)

**3549.8 kHz, 12-05, 1921 UTC**

MSY SW WZSB SIT

VVV

FFF (Cont'd – having keying problems)

QSY ..

**4192//4489 kHz, 22-05, 1538 UTC**

V HFL2 HLF2 HLF2 DE M6NY

(Note: 4192 kHz sends a different roundslip: V D72H D72H D72H DE 1HM4 1HM4)

943U COMM =

23163/2507/0100/117NR/5413

C = 23163/2507/0100/117NR/5423 AR

= 23163/2507/0100/117NR/5423 AR

**5354 kHz, 24-05, 1306 UTC**

RPT 1P 10W = TAUT TAUT K

RPT 1P 10W = TAUT TAUT AR K

RPT 84W = = 35TU 35 AR K

RPT 83W = 7N3N 7N3N AR K (Cont'd repeating groups)

**M95****4243//9054 kHz, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages****4243//9054 kHz, 1148 UTC, M95**

VVV HR MSG TO YR PSE CY

NR 03 CK 35 49 0503 2105 =

3N6 .T. .5U .AN 67T 7D6 7AT 773 A3. A3U T53 T7. (Cont'd – 1150z)

AR

7G AGN

NR 03 CK 26 49 0504 21.. =

3.6 6TD 46U DA. 6.. 7D6 7AT 773 A3U T53 (Cont'd) AR

A HR MSG GA

NR 038 CK 25 35 0506 1529 =

5AA UTT TT6 3U6 3A4 TTU TT3 773 355 4AU (Cont'd) AR

7G AGN

NR 038 CK 25 35 0506 1529 = (Repeats message) AR

A HR 7G GA

NR 082 CK 13 35 0506 1535 =

UT5 TT. 3U6 3A4 TTA TTU TT3 773 35U 4AU 446 4D6 3DU AR

7G AGN

NR 082 CK 13 35 0506 1535 = (Repeats message) AR

A HR 7G GA

NR 12 CK 146 35 0506 1544 =

UTU TT6 3U6 3A4 TTU N44 TT3 773 35A U4T (Cont'd)

**4364//8073 kHz, 06-05, 1138 UTC, Q26; 4+4 QPSK 75/3000 LSB. Messages****4364//8073 kHz, 06-05, 1141 UTC, M95**

V BNGC (x3) DE XSV85 (x2)

A HR MSGS GA PSE CY

HR MSGS GA PSE CY

NR 0350 CK 285 35 0506 1554 =

TT6 3U6 3AN 3U7 TAU 773 TA7 773 357 373 (Cont'd)

**4243//9054 kHz, 13-05, 1151 UTC, i.p.**

MSG AGN

NR 052 CK 22 35 0513 1526 =

5AA UTT TA3 3U6 3A4 TTU 773 35U 4TN 445

3DA 4D3 TT3 TT4 773 353 N3D 35U 4TN 445

3DA 4D3 AR

A HR MSG GA



NR 004 CK 15 35 0513 1608 =  
UT5 TA3 3U6 3A4 TTA TTU TT3 773 35A U4T  
353 4AA 446 4D6 3DU AR  
MSG AGN  
NR 004 CK 15 35 0513 1608 = (Repeats message) AR  
A HR MSG GA  
NR 26 CK 145 35 0513 1633 =  
UTU TA3 3U6 3A4 TTU 773 35A N3D 353 4AA (Cont'd)

**4243 kHz, 16-05, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243 kHz, 16-05, 1149 UTC, M95**

V HR 7G TO YR PSE CY  
NR 058 CK 58 35 0516 1530 =  
5AA UTT TA6 3U6 3A4 TTU 773 35U N3D (Cont'd) AR  
7G AGN  
NR 058 CK 58 35 0516 1530 = (Repeats message) AR  
A HR MSG  
NR 013 CK 14 35 0516 1621 =  
UT5 TA6 3U6 3A4 TTA TTU TT3 773 356 36U  
4AD 446 4D4 3D. AR  
7G AGN  
NR 013 CK 14 35 0516 1621 = (Repeats message) AR  
A HR 7G GA  
NR 32 CK 177 35 0516 1623 =  
UTU TA6 3U6 3A4 TTU 773 3.3 .4 T35 (Cont'd)

**4364//8073kHz, 16-05, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4364//8073 kHz, 16-05, 1138 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 0375 CK 222 35 0516 1610 =  
TA6 3U6 3AN 3U7 TAU 773 357 373 35D 4AA (Cont'd)

**4243//9054 kHz, 23-05, 1141 UTC, Q26: 4+4 QPSK 75/3000 LSB**

**4243//9054 kHz, 23-05, 1146 UTC, M95**

V HR 7G TO YR PSE CY  
NR 072 CK 30 35 0523 1542 =  
5AA UTT TU3 3U6 3A4 TTU 773 355 4TN 445  
3DA 4D3 TT3 773 355 4AT 446 3DU 4D3 TT4  
773 355 4AA 446 336 467 3D3 N3D 3DU 4D3 AR  
7G AGN  
NR 072 CK 30 35 0523 1542 BT (Repeats message) AR  
A HR MSG GA  
NR 46 CK 146 35 0523 1602 =  
UTU TU3 3U6 3A4 TTU 773 35A N3D 353 4TN (Cont'd)

**4364//8073 kHz, 23-05, 1134 UTC, Q26: 4+4 QPSK 75/3000 LSB**

**4364//8073 kHz, 23-05, 1136 UTC, M95**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 0389 CK 224 35 0523 1624 =  
T..U6 3AN 3U7 TAU 773 357 35N 373 4T3 (Cont'd)

**5700 kHz, 24-05, 0716 UTC**

N RPT 11W TO 12W K  
R RPT 11W TO 12W = TBAD 7N4U AR K  
R OK OK QSL 1516 A K (Both stations on this frequency)  
R HR WK NR 1238 K  
HR WK NR 1.9 K  
R SK  
OK SK AR

**5700 kHz, 24-05, 0735 UTC**

CCK/CK 19 03 0524 1535 RMKS 7546 TO 7522 K

R OK (Both stations on this frequency. Message format indicates M95 family)

R = 6D3T N47U 5A6D T34N 7UA5 7UND T43A 56T7 DUNA 5346 (Cont'd)

AR K

R QSL ?

R QSL 1537 K

R HR WK NR 1238 K

258 K

R SK

R SK GB

**MC03 - Chinese Air Defense****5620 kHz, 26-05, 1525 UTC. Chinese Air Defense**

NR 74AT U7UA UUU4  
 NR 7A6H T5AU UUU4  
 NR 736T 3UU3 UUU4  
 NR A43N A37N UUU4  
 NR A3NN A3DN UUU4  
 NR A537 A35A UUU5  
 NR 7E7UU UUU5  
 NR 74AT 7U7 UUU5  
 NR SA66 S577 UUU5  
 NR A676 35AA UUU5  
 NR 736T NU57 UUU5  
 NR A654 437A UUU5  
 NR A6T4 D3D3 UUU5  
 NR 74 57U4 UUU5  
 NR 74AT U7HD UUU6  
 NR 7A66 NA55 UUU6  
 NR A4 TTNA UUU6  
 NR A647 33N4 UUU6  
 NR A4D4 U3AU UUU6  
 NR A43N A3DA UUU6  
 NR 736T NU5U UUU6  
 NR 73NT 57N3 UUU6  
 NR 74AT U76A UUU7  
 NR 7A6D NA5N UUU7  
 NR A676 IA54 UUU7

NR A5A4 D36A UUU7  
 NR A654 4373 UUU7  
 NR AU53 D43N UUU7  
 NR 736T NU45 UUU7  
 NR 74AT U767 UUU7  
 NR 7A66 AEEEE UUU7  
 NR A43N 7376 UUU7  
 NR 547 T5DD UUU7  
 NR A454 7374 UUU7  
 NR 736T N7D7 UUU7  
 NR 74AT57A4 UUU7  
 NR A4U4 U37D UUU7  
 NR A3A3 D435 UUU7  
 NR 7ATS6 NAN5 UUU7  
 NR A67NE 6A4N UUU7  
 NR A654 45NN UUU7  
 NR A6A7 D357 UUU7  
 NR H36T N7D6 UUU7  
 NR 74AT 57NA UUU7  
 NR T4A7 T5N5 UUU7  
 NR T43N 7AU5 UUU7  
 NR A43N 3D6 UUU7  
 NR A6U7 D3N4 UUU7  
 NR 74AT57ND UUU7  
 NR A3E3AUN UUU7

NR A5754 UUU7  
 NR A676 6A37 UUU7  
 NR A64A3 D4ÄIW UUU7  
 NR EA5D4 53X5 UUU7  
 NR A654 43U5 UUU7  
 NR 67 A3NN UUU7  
 NR A36 3A44 UUU7  
 NR A464 5T54 UUU7  
 NR 3NN 337A UUU7  
 NR AIIT7 43UA UUU7  
 NR 74AT 5T S63 UUU7  
 NR UWNR T43N UUU7  
 NR 5M3U T43N 73AU UUU7  
 NR AC6 6A3A UUU7  
 NR S54 433A UUU7  
 NR A6TT576 UUU7  
 NR A5N4 3TAN UUU7  
 NR A64 33A UUU7  
 NR AD4 NT45 UUU7  
 NR 74AT 47U3 UUU7  
 NR T4A4 634A UUU7  
 NR T43N 7A5D UUU7  
 NR A43N 337U UUU7

**DIGITAL MODES****HM01 - Dirección General de Inteligencia****HM01 RDFT file log by MDK2**

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
01/05/2019	18253	50631825.f1c	11435 1600
	65311	74016531.txt	
	55104	04445510.txt	
	83886	22748388.txt	
	28556	76652855.txt	
	23037	47352303.txt	

HM01 has been transmitting these files and number sets every day since 22 February. There would be new number groups and files sent this month, however there were still many repetitions of these throughout May as well. The date, time, and frequency of each observation follows.

Special note: When HM01 uses the frequencies of 16180 and 17480, they have both been about -800 Hz from those frequencies, in other words about 16179.2 and 17479.2 kHz. For the sake of simplicity they're identified as 16180 and 17480. I forget when I first noticed that these transmissions, and only these, are significantly off frequency, but it's been a matter of months now.

Date	Freq. and time
02/05/2019	17480 2200
03/05/2019	11435 1600
04/05/2019	16180 2100
05/05/2019	11635 1800
06/05/2019	11435 1600
07/05/2019	10860 0500 (08 MAY)
08/05/2019	11435 1600
09/05/2019	17480 2200
10/05/2019	11435 1600
11/05/2019	16180 2100
12/05/2019	11530 1700

13 May brought HM01's first new number sets and files in nearly three months.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
13/05/2019	71875	74857187.txt	10715 2200
	36551	45173655.txt	
	86325	86078632.txt	
	55633	86285563.txt	
	85266	50758526.f1c	
	35553	85133555.txt	

14-16 May, HM01 repeated these numbers and files, with the 16th also having the broadcast mixed with an M08a transmission that was observed on 16180 kHz at 2100 UTC. I have heard HM01 on M08a frequencies but this was my first copy of the opposite.

Date	Freq. and time
14/05/2019	11635 1800
15/05/2019	11530 1700
16/05/2019	16180 2100 (mixing with M08a)

17 May brought back the repeats.... of 22 February's numbers and files! This is the first time that I know where HM01 started to repeat older sets that had been replaced by newer ones. These continued for 10 days.

Date	Freq. and time
17/05/2019	10715 2200
18/05/2019	16180 2100
19/05/2019	11435 1600
20/05/2019	11435 1600
21/05/2019	10860 0500 (22 MAY)
22/05/2019	11435 1600
23/05/2019	16180 2100
24/05/2019	11635 2100
25/05/2019	16180 2100
26/05/2019	11435 1600

27 May brought new numbers.

Date (DDMMYYYY):	Numbers:	File name:	Frequency (kHz) and time(UTC):
27/05/2019	60411	83716041.txt	10715 2200
	01321	74770132.txt	
	63153	58856315.txt	
	73306	64717330.txt	
	52264	50155226.f1c	
	23856	20122385.txt	

These numbers have not varied since.

Date	Freq. and time
28/05/2019	17480 2200
29/05/2019	11435 1600
30/05/2019	16180 2100
31/05/2019	11435 1600

#### HM01 RDFT file reference

##### Sort by file name

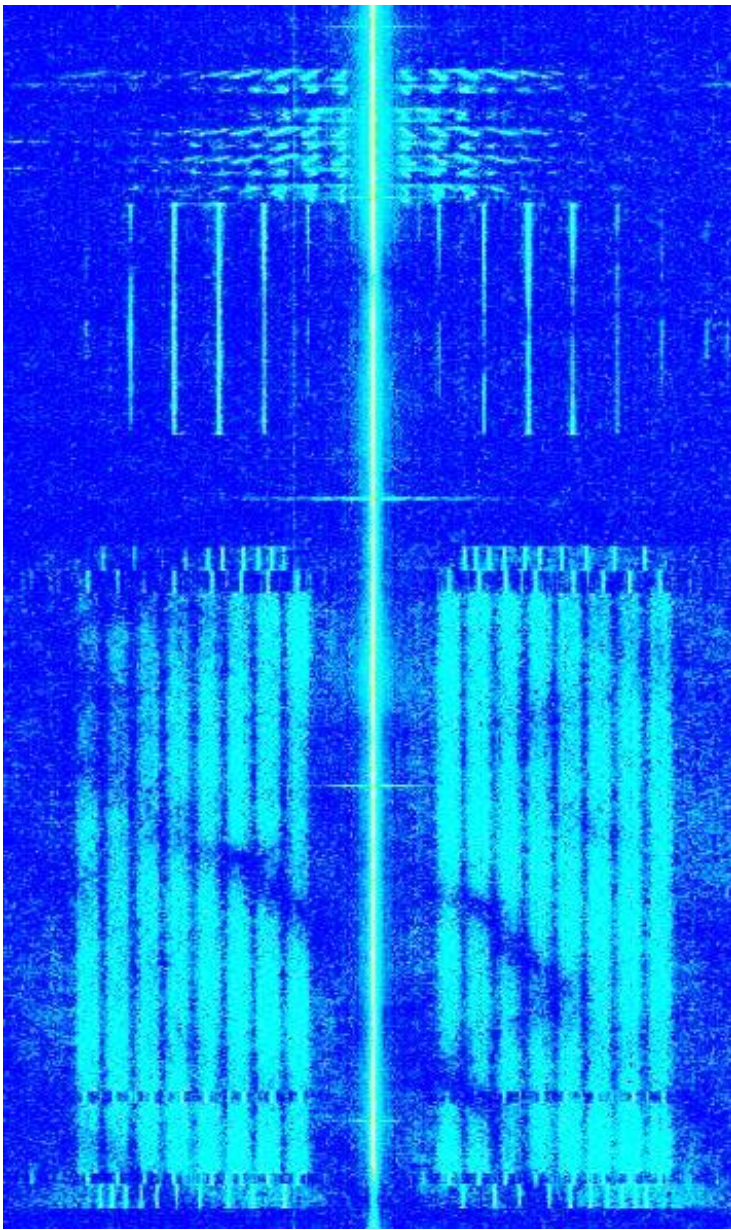
File Name:	Number group:	Date first logged (DDMMYYYY):
04445510.txt	5510#	18/02/2019
20122385.txt	2385#	27/05/2019
22748388.txt	8388#	18/02/2019
45173655.txt	3655#	13/05/2019
47352303.txt	2303#	18/02/2019
50155226.f1c	5226#	27/05/2019
50631825.f1c	1825#	19/02/2019
50758526.f1c	8526#	13/05/2019
58856315.txt	6315#	27/05/2019
64717330.txt	7330#	27/05/2019
74016531.txt	6531#	21/02/2019
74770132.txt	0132#	27/05/2019
74857187.txt	7187#	13/05/2019
76652855.txt	2855#	18/02/2019
85133555.txt	3555#	13/05/2019
86078632.txt	8632#	13/05/2019
86285563.txt	5563#	13/05/2019
83716041.txt	6041#	27/05/2019

##### Sort by Date

Date (DDMMYYYY):	File name or repeat:	Numbers:
18/02/2019	04445510.txt	5510#
18/02/2019	22748388.txt	8388#
18/02/2019	76652855.txt	2855#
18/02/2019	47352303.txt	2303#
19/02/2019	50631825.f1c	1825#
21/02/2019	74016531.txt	6531#
13/05/2019	74857187.txt	7187#
13/05/2019	45173655.txt	3655#
13/05/2019	86078632.txt	8632#
13/05/2019	86285563.txt	5563#
13/05/2019	50758526.f1c	8526#
13/05/2019	85133555.txt	3555#
27/05/2019	83716041.txt	6041#
27/05/2019	74770132.txt	0132#
27/05/2019	58856315.txt	6315#
27/05/2019	64717330.txt	7330#
27/05/2019	50155226.f1c	5226#
27/05/2019	20122385.txt	2385#

### Sort by number group

Number group:	file name:	Date:
0132#	74770132.txt	27/05/2019
1825#	50631825.f1c	19/02/2019
2303#	47352303.txt	18/02/2019
2385#	20122385.txt	27/05/2019
2855#	76652855.txt	18/02/2019
3555#	85133555.txt	13/05/2019
3655#	45173655.txt	13/05/2019
5226#	50155226.f1c	27/05/2019
5510#	04445510.txt	18/02/2019
5563#	86285563.txt	13/05/2019
6041#	83716041.txt	27/05/2019
6315#	58856315.txt	27/05/2019
6531#	74016531.txt	21/02/2019
7187#	74857187.txt	13/05/2019
7330#	64717330.txt	27/05/2019
8388#	22748388.txt	18/02/2019
8526#	50758526.f1c	13/05/2019
8632#	86078632.txt	13/05/2019



Picture: voice and RDFT signal

### Oddity

**11435 kHz, 17-05, 1624 UTC**

i.p. Windows sounds in background 18253 65311 55104  
83886 28556 23037

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

A lot of exercise traffic in May, also XPA1 and XPA2 messages. The traffic was in various experimental modes that we heard before during the past few years. As these modes do not have separate designators yet, we used M42, the generic Russian diplo/intel designator.

### M42 – various modes

#### **Exercise traffic Mode A**

17434 kHz, 09-05, 1400 UTC, 8x62.5Bd QPSK  
16234 kHz, 09-05, 1405 UTC, 8x62.5Bd QPSK  
15834 kHz, 09-05, 1410 UTC, 8x62.5Bd QPSK  
14934 kHz, 09-05, 1415 UTC, 8x62.5Bd QPSK  
14434 kHz, 09-05, 1420 UTC, 8x62.5Bd QPSK  
13434 kHz, 09-05, 1425 UTC, 8x62.5Bd QPSK

17434 kHz, 09-05, 1500 UTC, 8x62.5Bd QPSK  
16234 kHz, 09-05, 1505 UTC, 8x62.5Bd QPSK  
15834 kHz, 09-05, 1510 UTC, 8x62.5Bd QPSK  
14934 kHz, 09-05, 1515 UTC, 8x62.5Bd QPSK  
14434 kHz, 09-05, 1520 UTC, 8x62.5Bd QPSK  
13434 kHz, 09-05, 1525 UTC, 8x62.5Bd QPSK

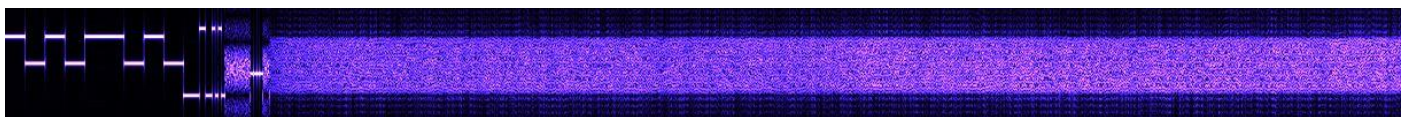
13384 kHz, 27-05, 1500 UTC, 8x62.5Bd QPSK  
12142 kHz, 27-05, 1505 UTC, 8x62.5Bd QPSK  
11431 kHz, 27-05, 1510 UTC, 8x62.5Bd QPSK  
10827 kHz, 27-05, 1515 UTC, 8x62.5Bd QPSK  
10181 kHz, 27-05, 1520 UTC, 8x62.5Bd QPSK  
9341 kHz, 27-05, 1525 UTC, 8x62.5Bd QPSK

12153 kHz, 27-05, 1600 UTC, 8x62.5Bd QPSK  
11518 kHz, 27-05, 1605 UTC, 8x62.5Bd QPSK  
11038 kHz, 27-05, 1610 UTC, 8x62.5Bd QPSK  
10854 kHz, 27-05, 1615 UTC, 8x62.5Bd QPSK  
10221 kHz, 27-05, 1620 UTC, 8x62.5Bd QPSK  
9351 kHz, 27-05, 1625 UTC, 8x62.5Bd QPSK

13384 kHz, 28-05, 1500 UTC, 8x62.5Bd QPSK  
12142 kHz, 28-05, 1505 UTC, 8x62.5Bd QPSK  
11431 kHz, 28-05, 1510 UTC, 8x62.5Bd QPSK  
10827 kHz, 28-05, 1515 UTC, 8x62.5Bd QPSK  
10181 kHz, 28-05, 1520 UTC, 8x62.5Bd QPSK  
9341 kHz, 28-05, 1525 UTC, 8x62.5Bd QPSK

10854 kHz, 28-05, 1615 UTC, 8x62.5Bd QPSK  
10221 kHz, 28-05, 1620 UTC, 8x62.5Bd QPSK  
9351 kHz, 28-05, 1625 UTC, 8x62.5Bd QPSK

Recording: <http://www.numbersoddities.nl/Mode-A.mp3>



Mode A



## Exercise traffic in Mode B

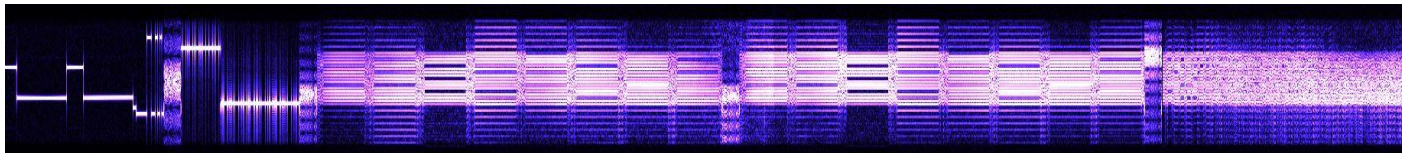
17434 kHz, 08-05, 1200 UTC, 8x62.5Bd QPSK/250Bd BPSK  
16234 kHz, 08-05, 1205 UTC, 8x62.5Bd QPSK/250Bd BPSK  
15834 kHz, 08-05, 1210 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14934 kHz, 08-05, 1215 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14434 kHz, 08-05, 1220 UTC, 8x62.5Bd QPSK/250Bd BPSK  
13434 kHz, 08-05, 1225 UTC, 8x62.5Bd QPSK/250Bd BPSK

17434 kHz, 08-05, 1300 UTC, 8x62.5Bd QPSK/250Bd BPSK  
16234 kHz, 08-05, 1305 UTC, 8x62.5Bd QPSK/250Bd BPSK  
15834 kHz, 08-05, 1310 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14934 kHz, 08-05, 1315 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14434 kHz, 08-05, 1320 UTC, 8x62.5Bd QPSK/250Bd BPSK  
13434 kHz, 08-05, 1325 UTC, 8x62.5Bd QPSK/250Bd BPSK

17434 kHz, 09-05, 1000 UTC, 8x62.5Bd QPSK/250Bd BPSK  
16234 kHz, 09-05, 1005 UTC, 8x62.5Bd QPSK/250Bd BPSK  
15834 kHz, 09-05, 1010 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14934 kHz, 09-05, 1015 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14434 kHz, 09-05, 1020 UTC, 8x62.5Bd QPSK/250Bd BPSK  
13434 kHz, 09-05, 1025 UTC, 8x62.5Bd QPSK/250Bd BPSK

17434 kHz, 09-05, 1100 UTC, 8x62.5Bd QPSK/250Bd BPSK  
16234 kHz, 09-05, 1105 UTC, 8x62.5Bd QPSK/250Bd BPSK  
15834 kHz, 09-05, 1110 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14934 kHz, 09-05, 1115 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14434 kHz, 09-05, 1120 UTC, 8x62.5Bd QPSK/250Bd BPSK  
13434 kHz, 09-05, 1125 UTC, 8x62.5Bd QPSK/250Bd BPSK

Recording: <http://www.numbersoddities.nl/Mode-B.mp3>



Mode B

## Exercise traffic in Mode E

17434 kHz, 08-05, 1400 UTC, 5xMFSK-16/250Bd BPSK  
16234 kHz, 08-05, 1405 UTC, 5xMFSK-16/250Bd BPSK  
15834 kHz, 08-05, 1410 UTC, 5xMFSK-16/250Bd BPSK  
14934 kHz, 08-05, 1415 UTC, 5xMFSK-16/250Bd BPSK  
14434 kHz, 08-05, 1420 UTC, 5xMFSK-16/250Bd BPSK  
13434 kHz, 08-05, 1425 UTC, 5xMFSK-16/250Bd BPSK

17434 kHz, 08-05, 1500 UTC, 5xMFSK-16/250Bd BPSK  
16234 kHz, 08-05, 1505 UTC, 5xMFSK-16/250Bd BPSK  
15834 kHz, 08-05, 1510 UTC, 5xMFSK-16/250Bd BPSK  
14934 kHz, 08-05, 1515 UTC, 5xMFSK-16/250Bd BPSK  
14434 kHz, 08-05, 1520 UTC, 5xMFSK-16/250Bd BPSK  
13434 kHz, 08-05, 1525 UTC, 5xMFSK-16/250Bd BPSK

17434 kHz, 09-05, 1200 UTC, 5xMFSK-16/250Bd BPSK  
16234 kHz, 09-05, 1205 UTC, 5xMFSK-16/250Bd BPSK  
15834 kHz, 09-05, 1210 UTC, 5xMFSK-16/250Bd BPSK  
14934 kHz, 09-05, 1215 UTC, 5xMFSK-16/250Bd BPSK  
14434 kHz, 09-05, 1220 UTC, 5xMFSK-16/250Bd BPSK

13434 kHz, 09-05, 1225 UTC, 5xMFSK-16/250Bd BPSK

17434 kHz, 09-05, 1300 UTC, 5xMFSK-16/250Bd BPSK

16234 kHz, 09-05, 1305 UTC, 5xMFSK-16/250Bd BPSK

15834 kHz, 09-05, 1310 UTC, 5xMFSK-16/250Bd BPSK

14934 kHz, 09-05, 1315 UTC, 5xMFSK-16/250Bd BPSK

14434 kHz, 09-05, 1320 UTC, 5xMFSK-16/250Bd BPSK

13434 kHz, 09-05, 1325 UTC, 5xMFSK-16/250Bd BPSK

13979 kHz, 27-05, 0620 UTC, 5xMFSK-16/250Bd BPSK

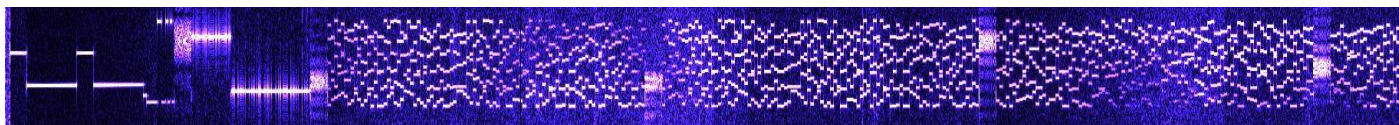
10467 kHz, 27-05, 1405 UTC, 5xMFSK-16/250Bd BPSK

13024 kHz, 28-05, 1400 UTC, 5xMFSK-16/250Bd BPSK

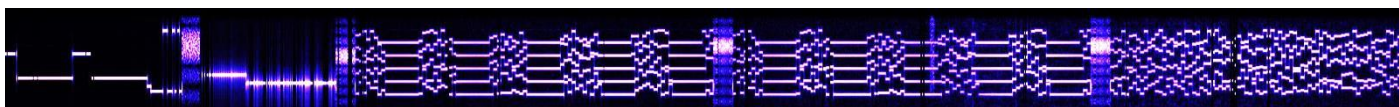
12144 kHz, 28-05, 1410 UTC, 5xMFSK-16/250Bd BPSK

Recording 1: <http://www.numbersoddities.nl/Mode-E.mp3>

Recording 2: [http://www.numbersoddities.nl/Mode-E\(2\).mp3](http://www.numbersoddities.nl/Mode-E(2).mp3)



Mode E



Mode E

M42b – FSK 50/500

**7805 kHz, 01-05, 0804 UTC, CW**

de YP3M QTC1 K. NW 231 50 1 0730 8693 = 05150 10730 54215... K. R 513 0838 K NIL AR (QSO 8193 kHz)

**8193 kHz, 01-05, 0824 UTC**

NCS wkg YP3M i.p. 8193 = 07025 80349 02606 66154 ... K. CFM NIL AR (QSO 7805 kHz)

**4983 kHz, 05-05, 0945 UTC, CW**

WL4I wkg BFRW. Ops chat in CW, msg in FSK 50/500

**8134 kHz, 08-05, 0818 UTC, CW**

RchUA wkg GKNM: QSY 65632 QSO QTC1. Msg in FSK 50/500 (QSO 8120 kHz)

**6771 kHz, 08-05, 0858 UTC, CW**

L2RS wkg KE4T: QSY 53821 QSA NO SK

**7978 kHz, 10-05, 0508 UTC, CW**

YDEW wkg MJFQ: QSO QTC1 674 100 10 0509 5469 K R674 0522 K. QRU NIL SK (QSO 7708 kHz)

F01 – FSK 200/500

**14363/12189/10346 kHz, 01-05, 1840/1850/1900 UTC**

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



## Link 00052

**15784/13849/11646 kHz, 08-05/09-05, 0800/0810/0820 UTC**

11166 00052 39754 07040 01729  
 64260 26117 46876 22078 75987 84802 60414 40426 97369 76284  
 05302 97356 81265 22304 20418 23853 25717 64981 58252 69712  
 24748 21154 16530 38529 45811 76058 01492 51264 37389 92463  
 87335 46064 36278 90199 15753 05232 50894 16033 25653 41672  
 41502 15301 32562 29303 81361 03708 85339 33715 22170 01468  
 91682 90330 36646 07893 54444 22749 15417 86362 70270 11363  
 14492 35517 36679 21088 74237 92088 85716 88522 38751 38937  
 93618 42901 95431 72125 33946 63932 57266 98488 08889 89859  
 10323 86266 69986 57369 96886 12313 23233 53200 65854 06977  
 16723 76247 74992 38372 15806 65443 89686 73548 69102 02000  
 90455 78894 83639 53250 15329 15404 48186 79576 46782 98897  
 61634 71176 12532 89438 98442 64426 42470 93886 43055 13590  
 62961 40813 16820 39725 89346 33261 10058 21017 87434 57460  
 01259 52626 31903 60337 39931 46014 15490 37651 44124 27472  
 98907 96829 12905 69945 42201 64001 82571 67845 48611 67316  
 34217 79777 41426 78610 76504 01777 21649 81590 87622 51991  
 95011 72991 66114 22026 53040 28735 88516 99149 76589 75550  
 40170 00000

**15784/13849/11646 kHz, 22-05/23-05, 0800/0810/0820 UTC**

11166 00052 39754 07040 01729  
 64260 26117 46876 22078 75987 84802 60414 40426 97369 76284  
 05302 97356 81265 22304 20418 23853 25717 64981 58252 69712  
 24748 21154 16530 38529 45811 76058 01492 51264 37389 92463  
 87335 46064 36278 90199 15753 05232 50894 16033 25653 41672  
 41502 15301 32562 29303 81361 03708 85339 33715 22170 01468  
 91682 90330 36646 07893 54444 22749 15417 86362 70270 11363  
 14492 35517 36679 21088 74237 92088 85716 88522 38751 38937  
 93618 42901 95431 72125 33946 63932 57266 98488 08889 89859  
 10323 86266 69986 57369 96886 12313 23233 53200 65854 06977  
 16723 76247 74992 38372 15806 65443 89686 73548 69102 02000  
 90455 78894 83639 53250 15329 15404 48186 79576 46782 98897  
 61634 71176 12532 89438 98442 64426 42470 93886 43055 13590  
 62961 40813 16820 39725 89346 33261 10058 21017 87434 57460  
 01259 52626 31903 60337 39931 46014 15490 37651 44124 27472  
 98907 96829 12905 69945 42201 64001 82571 67845 48611 67316  
 34217 79777 41426 78610 76504 01777 21649 81590 87622 51991  
 95011 72991 66114 22026 53040 28735 88516 99149 76589 75550  
 40170 00000

## Link 10031

**14638/12156/10164 kHz, 08-05, 0915/0925/0935 UTC**

11166 10031 98563 08001 00049 00000 00000 00000 00000

**14638/12156/10164 kHz, 22-05, 0915/0925/0935 UTC**

11166 10031 13579 22026 00049 00000 00000 00000 00000

## Link 10053

**19323/17536/14356 kHz, 05-05, 1530/1540/1550 UTC**

11166 10053 74563 05001 00049 00000 00000 00000 00000

**19214/17419/14443 kHz, 07-05, 1650/1700/1710 UTC**

11166 10053 14279 07069 00049 00000 00000 00000 00000

**19323/17536/14356 kHz, 12-05, 1530/1540/1550 UTC**

11166 10053 14279 12065 00049 00000 00000 00000 00000

**19214/17419/14443 kHz, 14-05, 1650/1700/1710 UTC**

11166 10053 13579 14001 00049 00000 00000 00000 00000

**19323/17536/14356 kHz, 19-05/20-05, 1530/1540/1550 UTC**

11166 10053 46931 17065 01989

97752 63843 29412 54585 77576 11529 71207 28521 04292 40008

31178 32671 16236 72308 75381 61610 03453 25512 70535 68160

31323 49301 26013 70483 48297 27397 38907 55394 39594 53274

49529 63095 39046 12712 23525 33383 59149 61566 62316 69840

33178 09222 60980 56721 85963 67667 78969 13116 88148 94198

39431 86095 68515 70858 41156 97047 95156 07375 71552 80347

54962 87291 20627 50097 02902 91548 16568 47624 68974 35161

52613 31280 08225 37291 55532 89146 03360 49332 24182 86902

53845 35266 47919 75743 50663 53601 09901 50967 32756 50274

37148 51150 42186 94430 68083 49077 15306 82119 63236 44804

71323 23102 97772 92650 57404 55833 71964 88175 06637 04680

23100 20168 94256 77696 44064 21561 36012 76511 52600 92563

99581 69078 06675 12795 55560 41590 18626 62027 83535 46515

91995 66567 22352 24538 90292 34837 02020 40860 46535 09266

08637 55750 71720 02206 68655 77108 10054 11807 77832 26267

19742 68624 78204 49246 31344 56200 25292 85063 26487 84471

46614 53647 82690 51109 99160 98449 72794 05767 81684 39792

80096 89684 13273 79587 96387 46020 80378 79836 78319 68314

41620 49418 64844 68035 98255 45535 57443 01923 49981 93078

10427 63806 76475 32035 02532 26954 65196 00000

**19214/17419/14443 kHz, 21-05/22-05, 1650/1700/1710 UTC**

11166 10053 36987 20069 01889

00536 64504 32374 47395 55727 32984 10472 22879 39649 92927

13211 72504 17552 97434 30218 56242 15677 23938 30032 07506

14470 49358 31863 44588 13566 84850 70586 23781 24280 09500

13590 87339 19558 50759 75127 58665 99286 48704 32427 35387

42443 44774 28895 87670 73365 22040 72471 58288 34929 15479

11124 48975 53033 44856 80777 55047 70603 73699 58417 85053

73489 76601 59958 74914 79544 06542 55658 41352 12162 05262

20705 45578 11150 72357 19513 10639 50551 64299 12377 70748

45952 88735 56616 06046 39217 22907 22149 53829 90411 43969

55777 06851 57351 85819 79304 24052 23690 69365 20007 64666

09825 81371 42828 74863 83091 97554 09676 35536 17913 95151

94841 27850 79237 48670 89009 91234 75337 54357 16267 77984

29729 64521 88531 82531 04653 58132 81072 61789 32298 42606

05978 03077 54396 36884 69424 78655 09868 14815 40381 98423

65324 90823 43816 34050 44182 06391 30171 99162 97113 66463

45666 39724 80747 53595 55136 33127 64120 04561 41015 32949

03469 97060 22839 96739 93211 74800 43455 81242 77722 19394

50357 66805 84237 41194 11305 33655 15094 19505 85757 94963

47732 35612 36624 59239 33063 47886 69186 00000

**19323/17536/14356 kHz, 26-05, 1530/1540/1550 UTC**

11166 10053 13645 26001 00049 00000 00000 00000 00000

**19214/17419/14443 kHz, 28-05/22-05, 1650/1700/1710 UTC**

11166 10053 14879 28070 00049 00000 00000 00000 00000

**17420/15673/13361 kHz, 01-05/02-03, 0600/0610/0620 UTC**

11166 40122 84361 27028 03689  
 48015 65181 01972 31967 93326 87915 79248 49938 08992 34653  
 51752 90433 20785 37357 69810 32603 37020 75465 94936 80673  
 37119 12477 51538 66222 01688 40064 16212 38421 82526 21888  
 05582 46971 36021 54312 48609 47391 68355 86195 54307 83360  
 65969 64955 10811 25802 09719 01087 76726 73385 96152 68328  
 50706 44148 14365 81659 30180 12920 51848 20318 95191 74225  
 27790 88017 78262 35372 77239 27575 06231 69399 34607 32100  
 25005 82576 89901 19974 43156 76138 16168 65768 55304 06948  
 91548 04324 31223 76775 64420 50144 81602 04873 35023 99328  
 36417 63540 52036 06194 96816 81365 47538 51801 46505 43830  
 58771 46563 33517 45962 10172 34120 58346 76732 54083 88667  
 29360 39870 93606 22942 71437 40797 36004 49023 98763 94363  
 50124 59165 87726 33064 26251 18835 10843 20439 61845 89137  
 17663 99332 21595 20833 73581 29707 45223 87117 92500 95687  
 01483 47359 24271 86543 11786 58986 82859 81270 91896 79699  
 26182 91487 85127 27208 23523 42305 85478 88673 71499 95889  
 74152 97042 44494 47370 17892 16470 90498 47812 02564 04003  
 08305 33920 00442 39731 66978 69173 94609 42570 53564 26065  
 08941 13889 59938 64151 17073 76149 44770 83586 28829 98753  
 31509 58828 77514 28287 28356 82216 56535 65345 81131 72090  
 78764 55126 95001 25158 57101 83983 85986 17777 29664 99120  
 48187 85860 78043 93621 47678 38077 12061 23995 78994 82040  
 19473 52432 45156 68178 04048 30955 47164 80959 60463 69644  
 93903 32170 59455 56148 68401 35941 41664 18631 11361 70183  
 43596 49379 07927 54150 04172 31238 88606 96795 25255 34062  
 80286 95615 84645 73379 68289 90676 24932 48441 55400 03499  
 66674 01867 28805 15489 19334 68043 70873 65622 88394 02498  
 74729 72034 02118 09396 50545 07242 06357 09392 33493 81652  
 00882 14982 29297 15070 15642 05576 58316 00871 50408 19455  
 84106 92546 26231 04820 37385 67299 22155 97098 71351 46367  
 95621 14723 09283 76785 10000 90537 70364 04254 17692 81050  
 84669 91806 72228 20697 33241 63975 67821 13317 74210 81120  
 29781 78017 40887 73629 04259 91627 22757 90664 20741 94912  
 65330 43155 25734 54757 49776 45703 11080 99479 38273 87115  
 85332 69491 96029 84227 61647 50463 25895 98717 60605 81209  
 76505 21601 51416 53462 09910 55082 79942 45724 39595 46461  
 56971 58397 74869 53775 05186 42363 28366 00000

**17420/15673/13361 kHz, 08-05/09-05, 0600/0610/0620 UTC. Two messages****0600 UTC not heard on both days**

11166 40122 86321 04029 03269  
 12458 52014 64176 57837 20199 76353 74094 48838 83721 43884  
 97955 82272 37073 19153 05043 12347 65215 71674 41444 37050  
 70867 53882 38540 34357 24251 93627 94249 62198 31694 80912  
 25466 14385 84007 53561 15118 49682 70591 11486 02303 36210  
 70206 14271 88921 78364 54326 40736 61251 18793 64046 14176  
 49905 30212 46447 57967 76598 46418 61379 03220 61178 87760  
 94591 73172 87335 85738 97220 38802 41020 48064 54375 24238  
 24639 73897 22038 80241 02048 06454 37524 23824 63910 01447  
 70457 26304 05109 50157 21269 84920 62301 63208 54670 56217  
 58122 28347 57314 88090 80171 99179 50245 25765 29648 32061  
 42059 21383 88036 13305 33737 01892 75311 43921 11067 74926  
 98068 74058 85609 77355 11047 04342 70125 96205 40461 96286  
 99421 16623 42590 58992 32545 76582 96052 04287 97252 33020  
 51220 87510 62717 69072 85186 76147 51383 97130 35751 13459  
 25921 37365 12833 69334 12224 76442 10775 95537 44371 36096

69953 27526 42499 06249 61152 00048 59528 22377 91118 68696  
57670 91794 52757 54599 00654 98560 68379 54455 72621 41676  
99467 83072 59611 86273 21376 40631 54585 32488 86407 21829  
71922 31680 23713 09112 82325 04723 49439 17175 04074 42012  
85572 80921 11563 89919 10906 04067 47067 53341 92581 10568  
46658 69062 71624 66080 16229 29600 00931 61618 18542 62227  
59125 76611 57261 92857 88740 63540 68890 49483 32147 21346  
58550 84843 63678 49789 40559 23036 41378 01966 69717 59719  
26825 77140 74263 70634 46448 21112 26424 08103 92794 26276  
11502 90209 89170 48593 81429 12342 66098 58023 03723 35781  
23034 66288 41893 33036 73764 04438 27851 94599 98946 09661  
12929 26802 53883 57139 07367 75148 99128 00803 22012 95354  
02326 48901 42437 48795 75845 21795 02032 65655 70910 32482  
39996 16681 24918 61282 99595 01568 28221 94315 58190 15876  
77446 83828 97587 46557 71871 23843 51063 50778 26312 08332  
62969 97737 98945 64099 21885 78158 57518 75550 53235 11138  
32364 43553 82325 03060 29682 45558 03718 38228 03501 89188  
17894 05947 09775 76458 29324 00000

11166 40122 63521 04030 02269  
65117 84343 83435 54451 16139 26790 61939 26284 11618 84506  
45770 89938 93709 20582 86968 63605 18272 13901 52879 23621  
40118 79130 94839 91701 67893 34854 57606 25774 37014 62041  
40426 69120 74117 20026 45713 37503 51451 12205 76261 48970  
54636 18621 66929 26020 12257 37630 61726 24820 60693 03847  
72262 71162 42652 74530 78469 07847 62824 01630 57550 83172  
49112 31657 52091 35236 92852 00573 13265 51715 66490 15890  
80074 09829 42127 43164 80567 26156 59382 39070 65961 71017  
16017 98244 13615 27080 79741 06088 59786 96898 44654 14713  
48112 89068 80748 84216 04752 37672 49923 56487 76118 34723  
86930 53700 90161 80281 68707 18721 27102 79934 20522 39586  
10599 44323 32375 25256 55243 70413 84089 24818 31355 09188  
02530 07342 32990 49455 99391 44563 60112 72459 62993 63589  
50864 56971 02503 61805 24870 39566 68055 01186 23514 59756  
95175 24177 58125 44678 46963 58356 02019 13017 52460 02046  
87305 02855 64661 08071 92445 53140 86571 07851 31443 93444  
38788 43008 80652 21721 67005 96688 04110 74730 12914 41769  
63343 20833 96905 48151 22593 29833 86037 16330 85373 99554  
45683 29408 23328 43856 98322 40763 83301 71740 37882 39543  
83575 12284 73096 61187 35198 65042 98296 35144 49353 80634  
15087 86989 16698 01190 53336 37133 69614 15351 64917 63278  
63304 07507 88647 18857 36676 05957 09849 24596 38946 59687  
62979 75421 32904 98449 30224 00000

**17420/15673/13361 kHz, 15-05, 0600/0610/0620 UTC**

11166 40122 12563 15069 00049 00000 00000 00000 00000

**17420/15673/13361 kHz, 22-05/23-05, 0600/0610/0620 UTC**

11166 40122 47362 18031 04139  
35880 99731 74353 84565 47537 78909 28125 09917 92218 69184  
00089 03839 88105 58813 93223 64696 19377 05470 54867 98975  
42470 86342 20924 11079 78779 80346 20718 96331 23461 30915  
84676 48153 25041 62792 22035 15332 15517 51260 60745 70324  
95621 67254 66785 74533 04967 46787 85043 51496 31722 58134  
68975 03921 41547 65203 91220 35502 30433 10535 52358 63467  
31176 66377 29998 32781 28134 27250 35392 67938 59981 42463  
69752 23310 15140 12006 97459 17943 49567 94260 78357 65784  
81601 98957 26318 37242 43542 63836 86262 13044 94654 38426  
46821 16302 25292 23392 30834 33756 06816 38893 30870 62099  
67002 20376 81941 40346 95631 65244 88630 54174 09932 78855  
48787 23172 34579 93258 40994 06937 75935 57133 67999 90957

95210 20353 73284 38221 10240 61614 72965 17475 80557 32573  
70221 44091 55465 16920 44418 94466 89771 27835 32133 79892  
56898 92259 42268 90834 14031 95420 72414 47561 99016 84046  
18695 18060 63681 51715 96237 89172 73262 54763 12483 01892  
26641 32203 60516 86753 77065 28080 24602 60270 58045 39709  
15114 68330 44116 40223 75047 87510 01146 48888 25304 20237  
05889 47591 40926 44729 39458 66972 75483 05669 84416 90619  
75790 56527 80162 50759 54134 89488 16313 13903 10226 13916  
68751 79855 20029 69278 08048 42558 33686 83500 34926 86168  
49698 12647 22467 14844 57578 22906 69746 39648 66137 00783  
96570 71026 59603 02462 34030 90280 48768 78260 90529 98495  
09333 33125 98000 66331 24652 09093 67968 33138 75055 00666  
12185 28831 40947 39037 07481 16946 11855 06094 09562 82327  
18625 64151 45405 11889 30951 12340 38962 41868 87422 05596  
49850 70031 50281 97182 29716 56251 02065 90689 25966 59900  
26342 12433 87548 87508 39713 40215 52469 49099 67267 49359  
21735 46658 78686 61972 49415 43176 27175 10368 03493 85685  
58417 50584 77220 80743 81739 86936 55633 45795 20663 93549  
66939 84845 85041 43790 73457 61896 31969 83551 81786 70568  
07643 09330 76908 23350 87374 37008 09906 08918 55928 72315  
93967 90957 95381 18877 88399 46928 72690 84796 75300 70204  
44157 73716 58602 84033 18966 71286 40162 40751 49001 62980  
52596 04683 37118 44196 53536 42178 81054 08581 10996 67209  
95178 25514 34543 15975 77257 42690 31961 48945 12428 74733  
96079 03784 31566 63793 51477 47591 66236 23035 15726 01893  
67410 98995 54878 38831 80144 13713 37885 71976 91401 72578  
19616 90203 93203 48857 07190 08087 28302 80798 89286 31214  
10559 42283 33144 59900 37225 72947 78904 79703 35289 78711  
86025 12204 09107 38657 11423 24467 81485 79194 24035 20642  
45408 31411 00000

Link 40133

**18626/16245/14440 kHz, 04-05, 2100/2110/2120 UTC**

11166 40133 17935 04001 00049 00000 00000 00000 00000

**18626/16245/14440 kHz, 11-05, 2100/2110/2120 UTC**

11166 40133 96374 11001 00049 00000 00000 00000 00000

**18626/16245/14440 kHz, 18-05, 2100/2110/2120 UTC**

40133 93784 18001 00049 00000 00000 00000 00000 00000

**18626/16245/14440 kHz, 25-05, 2100/2110/2120 UTC**

11166 40133 79513 25012 00049 00000 00000 00000 00000

Link 60070

**11523/9317/7571 kHz, 14-05, 0030/0040/0050 UTC**

11166 60070 78521 14001 00049 00000 00000 00000 00000

**11523/9317/7571 kHz, 21-05, 0030/0040/0050 UTC**

11166 60070 14279 21075 00049 00000 00000 00000 00000

**13598/11524/9479 kHz, 04-05/05-05, 1100/110/1120 UTC**

11166 50046 36987 30075 01029  
53739 15221 14770 10366 45774 50826 67046 89267 93360 12790  
20690 09639 65415 22728 15403 16228 28173 07362 71269 75140  
77609 02459 48207 76919 80901 16897 15525 37085 12496 95283  
55343 51936 73123 50053 06536 67336 01450 16401 20099 79828  
28039 89539 74491 11015 05543 44133 01417 67012 04416 69339  
28807 91322 03860 35560 00719 99726 87440 86679 73191 91919  
14276 03407 94778 71532 20879 34453 70122 13491 08294 90908  
17163 22524 54922 35478 02173 25299 95625 09809 39837 47232  
43051 31655 54128 77575 71282 28778 93263 37554 07658 15175  
54969 44726 73948 59001 10756 97902 82256 11003 27168 06945  
75100 00000

**13598/11524/9479 kHz, 18-05/19-05, 1100/110/1120 UTC**

11166 50046 14975 17076 03409  
23829 15208 15773 10366 15864 50803 68049 89267 63450 12777  
21693 09639 41750 08744 79557 79197 20191 12436 10473 20118  
10710 16277 09742 29285 82330 37321 55436 08013 33584 30857  
91015 61148 25359 00160 79467 14691 99478 38664 40797 79673  
04861 70260 32745 87125 30452 19900 58715 05081 30569 42823  
84213 71088 90748 86684 84289 56368 24562 61131 94299 79322  
58060 32197 20378 11401 62191 70387 18337 77137 41317 05869  
76857 13955 39726 44903 39059 36861 51766 78204 54531 27253  
31155 76299 70488 30398 84524 65415 58194 21127 18314 25008  
61615 08784 38781 49087 61382 63527 04709 40476 61103 30578  
43475 11685 94819 04911 22419 78411 01604 11300 02251 84017  
13716 73810 55360 18188 78724 27957 32351 01712 86094 15126  
60086 60618 42155 63607 16004 93982 77158 19204 19065 50679  
41216 04708 16577 74391 70294 53273 36286 73198 35999 55697  
75580 88141 16454 71801 43515 50579 81050 98209 74500 33967  
46940 58108 96699 01455 79582 29231 16062 24091 03559 12428  
09870 91086 77329 66914 27706 99113 87489 53259 20187 12920  
45273 78288 48637 47533 77106 97622 51198 31767 73894 91907  
52330 15211 38700 66602 85837 45850 16691 45696 07700 76797  
82214 09054 39593 23124 99315 54112 10354 06784 47085 50148  
09449 05296 00780 89994 95318 87212 10818 13779 46063 27388  
80177 10509 76328 16222 94744 36036 84815 11444 00797 35777  
09704 71573 27669 76416 00924 17920 49148 64362 75857 12581  
53852 41665 51572 09262 32451 86219 75808 62498 26645 41063  
93207 02550 09591 46860 13162 10759 70586 25301 34374 00867  
86286 35791 69445 93118 24214 39905 21109 88962 43472 05270  
96731 94142 19836 47120 58879 37475 86017 85882 63418 71560  
01652 43165 42349 90430 92194 85932 09968 35540 74928 68734  
56935 65066 83421 92645 54906 83804 34136 57156 14363 84044  
74690 09400 31603 76602 64445 51689 44955 15628 25496 08821  
87857 79016 98479 66910 22365 73963 89306 52385 50829 18471  
01363 73941 04142 48535 39099 85911 96421 31154 45825 79795  
23913 05004 13669 59031 12709 57942 49912 67245 26946 88346  
57067 46532 42595 57379 85826 35248 53531 88503 76338 00000

Link 70048

**12178/10218/8115 kHz, 01-05, 0800/0810/0820 UTC**

11166 70048 75326 01001 00049 00000 00000 00000 00000

**12178/10218/8115 kHz, 08-05, 0800/0810/0820 UTC**

11166 70048 78451 08001 00049 00000 00000 00000 00000

**12178/10218/8115 kHz, 15-05, 0800/0810/0820 UTC**

70048 25879 15016 00049 00000 00000 00000 00000 00000

**12178/10218/8115 kHz, 22-05, 0800/0810/0820 UTC**

11166 70048 73568 22001 00049 00000 00000 00000 00000

**12178/10218/8115 kHz, 29-05, 0800/0810/0820 UTC**

11166 70048 79513 29012 00049 00000 00000 00000 00000

Link 70059

**12219/10448/8139 kHz, 20-05, 0400/0410/0420 UTC**

11166 70059 21587 20021 00049 00000 00000 00000 00000

Link 80214

**16328/14358/11146 kHz, 02-05, 1330/1340/1350 UTC**

11166 80214 65412 02087 00049 00000 00000 00000 00000

**16328/14358/11146 kHz, 09-05, 1330/1340/1350 UTC**

11166 80214 09518 09068 00049 00000 00000 00000 00000

**16328/14358/11146 kHz, 16-05, 1330/1340/1350 UTC**

11166 80214 61348 16073 00049 00000 00000 00000 00000

**16328/14358/11146 kHz, 23-05, 1330/1340/1350 UTC**

11166 80214 85321 23006 00049 00000 00000 00000 00000

**16328/14358/11146 kHz, 30-05, 1330/1340/1350 UTC**

11166 80214 90674 30081 00049 00000 00000 00000 00000

X06 - Mazielka

Code	Freq	Date	UTC	Day	Details
X06	14359	7-5	1037	Tue	MFA Moscow MSFK-6
X06	16115	15-5	1117	Wed	MFA Moscow MSFK-6
X06b	12182	3-5	1517	Fri	Sequence: 111666
X06b	16550	6-5	0836	Mon	Sequence: 111666
X06b	11169	14-5	0623	Tue	Sequence: 111666 before XPA1
X06b	12182	17-5	1422	Fri	Sequence: 111666 before E07a
X06b	11082	17-5	1423	Fri	Sequence: 111666 before E07a
X06b	12182	17-5	1424	Fri	Sequence: 111666 before E07a
X06b	11082	17-5	1425	Fri	Sequence: 111666 before E07a

## XPA1

### 11169/12179/13431 kHz, 02-05, 0710/0730/0750 UTC

214 214 214 1 214 214 214 1 214 214 214 1  
00274 00200 46436 19372 92024 11970 83071 40206 64329 88372  
22213 63099 73828 49317 47981 85841 36280 17043 94147 88016  
95894 79816 30151 18515 20851 56186 78853 23279 66563 15178  
21579 92718 77702 14199 57290 21883 63613 58887 26529 74293  
90246 68791 83511 45530 28301 04967 02431 47787 20308 65876  
42539 32956 92413 87233 73292 78553 31061 91846 43603 31814  
14186 95414 73745 27507 71426 16528 11636 44295 64131 92537  
45521 48930 64202 85653 96973 38887 33964 98979 73579 57353  
05384 95143 77352 16431 42374 54100 39395 86658 62816 76478  
74884 80397 13644 32043 55439 47628 79077 98892 90419 75312  
55680 49923 28142 89821 91586 96685 95334 72408 97403 10313  
26999 21337 53969 29889 58015 71646 51053 65509 09676 12061  
28013 21654 23461 56461 31900 30622 29660 17547 20567 70944  
58430 93667 86482 58130 31576 13402 35854 55314 66725 72609  
55748 98677 94918 72872 10772 43948 03331 66824 04752 40483  
11057 07046 50706 13008 87549 59329 95558 51094 61883 90631  
07007 59550 40492 67299 13859 61155 00910 39063 97235 29285  
33013 35212 55016 28987 85962 04085 01485 67223 58015 02186  
25122 90219 47799 10910 08023 46990 24123 41443 76592 17640  
88733 41179 20320 55900 54446 46693 90313 26494 24047 99107  
50633 18414 72305

### 11169/12179/13431 kHz, 07-05, 0710/0730/0750 UTC

214 214 214 000  
08421 00001 00000 33662

### 13434/14434 kHz, 08-05, 0800/0820 UTC. Exercise traffic

558 558 558 1 558 558 558 1 558 558 558 1  
03096 00075 82010 43264 11519 04580 90651 39971 93884 55339  
35434 05299 55923 86597 54444 73674 50197 45201 76076 34556  
89463 90986 78543 44058 24480 84681 37105 66458 36343 81541  
94064 44665 43073 07497 89475 50041 78272 97560 20893 96613  
16662 99208 43148 60254 31885 81545 94910 12642 94476 88416  
83069 97714 84859 04037 34724 87126 96376 53211 34404 56976  
48033 45721 26544 10184 61823 80789 27352 16932 96008 78953  
44030 29804 38938 43023 40764 91736 00144 25222

### 17434/15834/14434 kHz, 08-05, 0900/0910/0920 UTC. Exercise traffic

558 558 558 1 558 558 558 1 558 558 558 1  
03376 00075 66731 67636 80170 18314 77511 32560 48286 82823  
41568 16268 75665 81528 41921 98311 99170 52939 60973 92537  
76649 21248 33149 73869 61221 31192 72933 23777 40445 28586  
53941 53326 19311 04706 46194 67878 56326 33528 99416 46225  
81422 92995 84630 46057 68427 42930 94610 32007 14679 42101  
86748 96257 72685 48536 25986 22732 11811 37120 79520 87714  
57839 26985 79826 64572 76229 29677 55586 33419 67373 81264  
41097 95547 29110 13052 39375 93580 16032 30243



**17434/15834/14434 kHz, 09-05, 0600/0610/0620 UTC. Exercise traffic**

558 558 558 1 558 558 558 1 558 558 558 1  
02150 00075 65768 57675 35747 96936 16013 40743 79452 67801  
96898 18051 82449 05634 50137 41220 18827 47021 50134 54052  
10566 95524 06759 03265 24318 48782 91698 12267 92881 92644  
22309 77471 07604 99868 70685 06599 22339 77691 38547 26842  
94967 16449 12479 83207 13854 85112 37070 82768 13109 13858  
83870 55319 64225 31761 56615 72852 47634 99364 29562 61946  
06142 17613 37894 97875 37018 61998 62391 75212 23131 41612  
82182 25955 08626 14877 35743 05704 54760 34626

**17434/15834/14434 kHz, 09-05, 0700/0710/0720 UTC. Exercise traffic**

558 558 558 1 558 558 558 1 558 558 558 1  
03402 00075 61259 27749 78431 20925 37551 33293 12718 53972  
94988 11771 55261 96746 85708 50356 91105 88669 16477 59109  
95414 46803 18202 33202 09154 20933 58257 37061 10637 23453  
16188 94961 46477 35628 63690 02771 86491 97477 98347 55964  
77167 89178 76143 72557 61958 89225 53124 14813 95790 36809  
29388 58679 87912 35802 34418 03945 10132 59248 28025 15566  
77885 85207 18217 75697 42419 53166 48377 32373 07266 46847  
69592 52790 43532 35433 52956 70844 85790 36320

**11169/12179/13431 kHz, 09-05, 0710/0730/0750 UTC**

214 214 214 000  
06979 00001 00000 42265

**11169/12179/13431 kHz, 14-05, 0710/0730/0750 UTC**

214 214 214 000  
08271 00001 00000 32667

**11169/12179/13431 kHz, 16-05, 0710/0730/0750 UTC**

214 214 214 000  
08281 00001 00000 32670

**11169/12179/13431 kHz, 21-05/23-05/28-05, 0710/0730/0750 UTC**

214 214 214 1 214 214 214 1 214 214 214 1  
06742 00133 94574 08797 27585 06870 28715 39524 20865 39657  
23700 53271 94034 24306 49892 83843 86264 52887 32020 87606  
40275 91332 16327 74767 38524 52900 05647 37570 67112 54404  
45057 73792 03657 07391 61768 68027 83929 34784 01855 64307  
26696 15252 33653 74168 17231 72818 96751 54411 66704 63199  
43487 00476 42587 02924 25673 23552 91947 83515 13427 60880  
50291 30639 78787 78366 89263 65669 52456 92150 62632 43854  
26277 73783 21440 41044 72483 24554 33068 90005 30409 97333  
20865 67014 44844 16770 66191 56188 76396 04531 03717 20217  
10526 37930 35483 89059 32072 01615 88308 39579 55438 13733  
15755 59570 71614 09755 14305 86000 84953 96104 03159 89696  
46664 14623 66675 73715 40820 68933 75239 18120 32914 87396  
78962 63747 54938 81776 43500 35689 28485 42122 62773 44574  
69030 07042 21390 99782 61778 14502

**16246/14871/13953 kHz, 27-05, 0700/0710/0720 UTC**

Exercise traffic

**16236/14886/13921 kHz, 27-05, 0800/0820/0840 UTC. Exercise traffic**

661 661 661 1 661 661 661 1 661 661 661 1  
01099 00070 89150 16373 09097 38768 77474 16903 11387 14397  
53241 11777 03683 05308 57341 95125 94882 35953 08123 85546  
60301 80822 59528 55769 55777 75113 30659 90763 36737 12847  
28940 02624 28788 52939 47025 98496 46730 50158 64420 59842  
83542 47781 28769 61373 40442 03820 99967 11216 83236 87824  
46017 88122 18482 28088 48114 17083 34676 39789 20094 98413  
06049 54866 07288 72728 30185 48274 23943 63171 80119 47107  
71220 94294 64465

**12138/11054/10689 kHz, 27-05, 1700/1710/1720 UTC**

Exercise traffic. ID 849, 71 groups

**11062/10817/9279 kHz, 27-05, 1800/1810/1820 UTC**

Exercise traffic. ID 279, 70 groups

**16236/14886/13921 kHz, 28-05, 0800/0820/0840 UTC. Exercise traffic. Two messages**

661 661 661 2 661 661 661 2 661 661 661 2  
05485 00073 97902 01744 71372 61911 92080 27759 12539 62384  
64502 66736 38937 76190 34142 46986 48064 47054 59386 32262  
91381 22087 96972 47293 06554 30288 23366 34251 16174 90662  
59231 25847 19295 62209 95771 35714 23663 21043 76870 14228  
67672 91518 78694 73652 42861 37079 92537 57933 05866 99822  
88693 49059 21828 42319 03221 93202 38740 16593 56441 87671  
65721 56484 17025 34317 87484 49702 16486 71435 52651 86198  
44503 81987 58352 53167 19952 04272 00000 00000  
07117 00073 18153 87096 30796 96234 02657 61667 06940 19681  
01200 96395 11376 91577 71326 70294 90423 99558 07715 82181  
84813 97943 83445 17137 96097 04177 58474 51284 19129 62264  
10711 33943 55267 98699 94295 04790 71535 41360 11859 56549  
76264 77850 96036 30913 84987 75700 39302 09987 72851 51495  
47310 36386 10747 02915 41135 66471 51845 55299 45016 75480  
32331 36054 72661 01391 50911 91968 11568 38431 94652 19306  
51465 22222 27373 56987 16072 45522

**12138/11054/10689 kHz, 28-05, 1700/1710/1720 UTC. Exercise traffic. Two messages**

849 849 849 2 849 849 849 2 849 849 849 2  
02059 00073 72607 71463 36333 77267 66690 68963 26786 95390  
48598 13607 79261 05690 91831 78573 13253 71618 21985 23175  
39390 20280 38965 36733 99517 81978 37729 20340 78805 32332  
56836 43222 10597 61763 33236 00463 68642 69454 88129 63939  
25699 24565 49585 24060 76114 42939 60160 11650 23890 92266  
23322 63444 04179 38874 08558 37115 29377 37843 77109 72107  
03415 47738 82392 11495 59437 36461 06035 84113 50465 53288  
68151 09142 73128 11943 69360 13611 00000 00000  
01763 00073 87388 52344 57474 09787 45053 17408 96728 50347  
83357 05819 05102 36757 88264 99289 96319 02582 58217 44795  
83868 90707 13020 42001 01831 96180 52330 57620 05401 28012  
23674 75548 38802 80624 75801 56719 15057 16582 02137 16482  
21765 74669 07357 78221 14894 53539 81996 08300 60982 28669  
34160 83820 39261 98487 94224 14971 67936 49288 69106 67372  
34780 81929 33103 60996 96600

**11062/10817/9279 kHz, 27-05, 1800/1810/1820 UTC. Exercise traffic. Two messages**

279 279 279 2 279 279 279 2 279 279 279 2  
05234 00070 88149 24331 88074 54200 18089 42684 10034 41515  
53833 38726 55099 07245 97489 78720 38144 89646 64429 60034  
68166 78035 50412 74641 00788 43193 77373 56487 99391 50201  
14624 51371 46107 76787 09871 17863 40172 31137 43763 27313  
82431 15802 82636 45374 65403 72149 34635 25860 72109 16408  
74577 37403 94409 36283 86766 33401 08051 99862 41821 27006  
43560 06803 93382 13990 47669 78453 62347 72451 20732 07000  
88101 77973 00307 00000 00000  
07505 00072 63113 15878 72373 90913 90023 26924 46031 59166  
14061 13891 12846 53871 45624 01057 99251 40412 88003 18575  
21352 68720 92212 19221 59652 55592 26304 85735 62112 55881  
15250 34826 12807 39273 52974 27527 96670 63800 37474 44149  
63145 96517 69556 46091 91160 88220 76130 64121 98624 42800  
84120 51547 04309 98240 94781 04916 59122 24825 49740 55625  
50300 46319 12481 13087 50995 06386 57660 55018 51634 25928  
14850 51449 73554 35776 37347

## **XPA2**

**11541/13441/14941 kHz, 01-05, 0700/0720/0740 UTC**

00389 00200 43548 23294 45520 24349 36792 01913 35565 12209  
29110 78676 77098 00441 96753 33787 95372 49390 13618 78741  
79052 04933 94581 99769 24521 76912 50960 95326 58294 30903  
62543 18125 42539 59162 97779 64311 99960 62309 82879 05401  
35091 38506 91299 35930 05472 69994 06697 94052 89391 39139  
53425 36702 26962 37752 61321 84387 85299 67882 74733 21528  
58172 97154 18534 90799 78304 36887 09099 86443 71019 20322  
16719 29727 14832 88807 01529 00270 02987 07774 47471 24009  
91146 53054 18172 74406 42188 59124 96285 63428 61594 33987  
63814 51736 76013 03792 78429 25355 69032 12912 24094 66942  
27849 02270 47527 03960 89754 78774 29576 31750 83902 22891  
14477 14645 41326 61330 72425 17681 01408 67349 92986 37259  
79465 21122 64821 52660 20045 38931 38864 46949 77686 58805  
47025 78477 01963 05363 55235 39138 92897 51736 15690 82907  
00552 25578 96920 25324 15462 69672 55525 07444 06532 77935  
19253 64336 40200 76813 26567 35355 93823 32593 72966 10774  
32590 54240 58643 27494 06329 67852 97030 09995 57608 36752  
01685 11937 33365 34560 53719 10284 99761 45915 24165 85410  
44588 92594 24952 85972 06388 69733 52521 02589 82629 38093  
78360 48966 26050 88825 26974 30991 64799 34287 79088 38373  
05438 95165 20072

**14794/13994/12194 kHz, 02-05, 0910/0930/0950 UTC**

01440 00001 00000 33255

**17462/16114/14828 kHz, 03-05/04-05/10-05/11-05, 1900/1920/1940 UTC,**

00403 00018 01450 89298 96086 18286 21247 66943 18195 57188  
77208 87534 46089 31856 55981 56181 83976 39455 23734 36587  
63126

**14794/13994/12194 kHz, 04-05, 0910/0930/0950 UTC**

09253 00001 00000 33666

**15938/14538/13438 kHz, 04-05/05-05, 1500/1520/1540 UTC**

00149 00118 30009 87045 13721 43968 00770 13631 66507 55503  
79929 04185 83675 17004 18400 62005 72648 27396 79058 40052  
42439 16548 83390 80119 26186 23291 78830 68169 36221 38815  
57145 56160 74886 37395 76262 29604 80508 90130 73033 81025  
35858 11098 85931 00586 18768 68812 00490 23556 42199 51851  
00150 40388 79789 47196 78324 82870 22526 49400 39300 04060  
29483 61551 90483 19446 97325 08128 01605 52154 37998 63503  
10614 76718 44957 26243 36002 73923 74380 78795 34615 78122  
80894 79740 94712 50969 99437 21572 84642 35842 47066 87783  
94904 52495 06943 15052 65536 20644 14419 09820 19321 45953  
45359 05845 57695 37799 30587 57017 64434 03109 60943 96389  
20665 63912 61990 70192 42744 29017 69284 72570 21771 50079  
54551

**14538/13538/12138 kHz, 05-05/07-05, 2000/2020/2040 UTC**

06738 00024 38033 90435 45013 48964 63406 91111 48075 95462  
15736 29643 08579 40199 30421 52431 26893 60547 66240 24387  
79776 13974 18723 46578 81080 39211 36147

**11541/13441/14941 kHz, 06-05/08-05/13-05/15-05, 0700/0720/0740 UTC**

08956 00145 10830 28770 98854 83712 22610 09709 21294 58400  
84910 59608 02549 64637 70928 53087 27905 55317 58243 77070  
64426 34318 08727 76774 67940 10096 62000 02474 80060 04875  
96862 11593 31793 25536 92111 68256 78152 19430 18736 18973  
25547 13087 36189 74042 18965 75333 93015 43112 62685 21381  
71097 84442 83393 90303 97680 36686 63516 63498 02783 44249  
54339 58604 01013 30421 32354 03026 40590 04432 23047 64386  
87040 49403 39460 03543 64316 84291 68185 25733 81638 37863  
52260 34722 01090 47103 18476 51772 89214 41863 08097 55895  
22231 17780 39637 45476 43042 99623 22788 32838 44440 54219  
03852 48611 03063 67989 63157 12817 80035 29374 01201 20140  
68434 36690 97081 94614 44073 72472 28529 79434 84854 63467  
36728 55348 43495 31605 57390 60635 67881 47596 45533 31477  
58752 34578 43802 86632 07695 13459 42039 04880 97692 95146  
25581 56870 51608 05833 62239 30003 28866 66533

**17431/15841/13934 kHz, 06-05, 0910/0930/0950 UTC**

01106 00001 00000 34651

**15938/14538/13438 kHz, 06-05, 1500/1520/1540 UTC**

02214 00001 00000 34253

**13538/14438/14938 kHz, 07-05, 1600/1620/1640 UTC**

03044 00001 00000 33257

**17431/15841/13934 kHz, 08-05, 0910/0930/0950 UTC**

01338 00001 00000 36654

**17434/15834/14434 kHz, 08-05, 1000/1010/1020 UTC. Exercise traffic**

07844 00075 85239 32307 38513 36218 33668 28631 20803 43113  
56646 71010 22355 58556 45085 29579 05073 76190 17529 97258  
57558 95894 76210 71527 96545 60795 47094 29593 28252 55321  
72079 81101 87830 05277 86695 04010 17577 26206 07474 49941  
92643 15128 30900 12057 33216 01941 15591 81046 65022 98472  
18378 60582 06617 85991 02590 72996 26219 22815 86226 09953  
48552 93360 30519 34515 66742 40330 83452 31699 98211 70022  
64796 80138 99051 05086 28625 74624 49004 76162

**17434/15834/14434 kHz, 08-05, 1100/1110/1120 UTC. Exercise traffic**

09618 00075 73192 05200 79182 03388 97324 15983 51093 92638  
81721 61169 05451 90850 45474 69243 76900 80018 04393 06574  
83123 26985 69621 36443 89770 02543 93404 35677 10151 08079  
42045 96423 01546 34577 89661 88159 11849 63055 71437 05798  
63291 45327 15821 83059 94020 75391 30173 88834 09784 12128  
74198 13093 82413 03083 04609 07178 44004 88192 57996 75544  
72288 27107 31209 41475 11068 25641 51730 21211 07128 35901  
51883 61506 70782 13896 39254 40884 65626 11514

**17434/15834/14434 kHz, 09-05, 0800/0810/0820 UTC. Exercise traffic**

01672 00075 09772 74928 06287 47260 45292 00172 89400 82613  
69858 51687 90592 47751 62109 02289 10023 57716 84203 83476  
15197 48857 39896 89357 79693 20171 77427 69059 68132 96234  
80909 18164 36140 65619 98750 88363 67722 68436 77406 07736  
40035 92390 35428 59813 80251 14690 00909 67373 34523 23120  
18597 37514 45499 25432 85189 45029 83489 24026 91238 79620  
78791 57793 86325 11697 84173 63892 49812 95463 46087 28977  
63642 27065 28879 98106 56962 14290 83125 77207

**17434/15834/14434 kHz, 09-05, 0900/0910/0920 UTC. Exercise traffic**

06693 00075 59955 67829 97176 73751 97510 77822 44047 50940  
36773 84245 89903 74848 98694 57600 73247 30772 24364 54919  
11451 49838 17248 47529 77125 44959 08418 59622 31380 52989  
79611 40107 00347 33152 50206 63210 25151 11294 57642 38907  
10353 76655 17095 48726 10117 73773 73238 11523 45743 77797  
41646 19275 49827 75604 23592 63670 06898 66877 19769 56465  
21655 16719 82575 81831 17822 35897 98017 89247 08679 84011  
47154 53431 57840 92396 88461 20033 95682 07740

**14794/13994/12194 kHz, 09-05/12-05, 0910/0930/0950 UTC**

00416 00122 94307 26694 66879 93353 68773 02615 21768 62646  
84103 10076 88784 00725 55612 12326 71179 95673 86229 20003  
25513 83806 34056 10490 54227 33268 26042 40349 22814 43349  
62415 21350 79470 70969 64511 99521 69137 01338 69815 28564  
38264 99595 40572 53045 55948 08477 67673 97603 35827 73137  
65171 86286 76309 81007 24224 77342 79588 75740 72797 23775  
21241 35345 66962 19827 19409 46901 59569 83817 94137 79937  
09210 42902 96580 93322 57803 04082 53015 39305 14204 77365  
21873 69498 46624 41161 25040 43274 94492 11970 60253 23059  
51811 47591 44733 83664 02537 10168 03987 26627 62695 38832  
18726 24548 03471 54485 62509 15722 39073 25206 16825 61149  
04674 20133 00289 55395 67499 12058 62004 08484 16804 73861  
55225 64968 13783 94523 23264

**13538/14438/14938 kHz, 09-05, 1600/1620/1640 UTC**

06807 00001 00000 40656

**15938/14538/13438 kHz, 11-05, 1500/1520/1540 UTC**

04954 00001 00000 37661

**14538/13538/12138 kHz, 12-05/14-05, 2000/2020/2040 UTC**

08641 00088 40243 86690 95921 01785 75710 50115 47787 63386  
97398 47233 17254 63807 81327 63077 53901 24398 92356 41737  
44190 82884 63945 37441 73847 77266 61672 85719 59253 37593  
58308 81134 32737 51689 02856 71280 12942 44761 85267 51391  
99510 65009 98432 67510 86332 76046 99453 80571 97318 03342  
27948 55585 65060 52283 72609 29142 85421 00457 67670 95619  
34986 48170 22762 49652 50611 73425 38423 55098 63093 39172  
71126 24631 41630 20811 16392 60166 21160 19868 97520 88881  
21423 68789 30124 40906 45331 09094 55350 01647 80462 61257  
53041

**17431/15841/13934 kHz, 13-05/15-05/20-05/22-05, 0910/0930/0950 UTC**

08280 00170 59425 58050 11645 28067 64678 01718 45790 33958  
43304 48492 34693 05602 55341 03280 69715 55717 96668 70028  
32072 93255 87722 36611 33855 12540 71507 10718 54282 04859  
38911 64028 32217 87366 51245 38364 74608 15419 75952 04482  
52879 79661 19593 04709 32308 71458 30041 68854 36360 54463  
77448 85124 69406 25666 03776 21257 00190 78254 90054 08712  
20531 83632 24853 03269 29312 81754 73915 89313 37614 52019  
54509 35850 80361 50194 11362 43050 74712 38225 29016 24415  
05210 63716 92841 08033 64157 52036 87163 00620 88889 76798  
78577 84228 57760 55807 33721 09471 25317 49034 75850 56560  
46074 84200 99761 18304 68472 80757 00427 26261 64472 60976  
97765 38257 52035 35963 09706 50235 63530 61504 77769 61521  
09308 94547 64643 15025 55060 05562 34149 16430 66377 53091  
92904 75289 85045 31635 23136 48378 71133 66569 64879 62646  
90474 20303 63206 59596 15293 32085 29419 89222 33041 10860  
69228 10556 32108 02430 88364 15204 23250 91964 75126 20759  
53276 88238 52528 72537 00159 62998 54304 24879 75082 24201  
66023 96057 23031

**15938/14538/13438 kHz, 13-05/18-05, 1500/1520/1540 UTC**

00290 00091 69915 49071 85929 52557 83723 30436 61031 80768  
22163 43639 55005 54725 67685 53744 71123 72201 64538 51897  
60488 96708 08315 68585 74228 98287 60318 91406 41229 75029  
27820 47392 82405 63434 55432 30584 14647 45291 31281 61037  
81395 99935 79766 50326 69767 14197 58105 66401 81630 42217  
37418 13061 23034 83057 27926 72626 21494 10542 35313 42552  
02634 66953 69418 22856 41982 32600 48485 61540 03874 48777  
91092 96460 61190 96345 58967 84821 87951 07921 75898 06602  
66723 06495 56913 65613 90449 34966 15273 20789 50425 03935  
71312 89970 18998 71674

**14794/13994/12194 kHz, 16-05, 0910/0930/0950 UTC**

08338 00020 06995 39658 52101 04746 00066 10978 84996 37688  
07782 00327 37704 51125 18433 30255 01804 95022 62824 95220  
63197 61780 32103

**13538/14438/14938 kHz, 14-05/16-05, 1600/1620/1640 UTC**

07887 00240 22277 92263 77673 33056 91480 66005 18436 38796  
43556 35825 08901 93896 88436 36492 77462 65630 20324 65574  
95191 50790 82772 02565 00836 45720 60998 05617 37039 00129  
31756 33288 55961 46772 28166 09282 96242 45256 61232 05665  
84224 12355 84216 36442 83903 24990 28345 38157 68086 49444  
64842 46495 25456 09968 09339 58430 50273 05224 92645 76925  
62261 42933 58028 03308 80935 99556 13636 35736 53190 57920  
26238 64510 56323 34499 86947 81264 43560 18111 67261 42995  
19164 59063 20525 38480 61152 21191 31398 01661 86791 51655  
45423 36242 95498 05853 77820 11053 71200 21386 00791 48154  
92520 90430 32107 56575 43646 36166 84759 66659 65753 97604  
07304 32719 01920 91037 34648 98874 83917 47816 09864 60864  
06634 56615 28241 30492 36681 32286 48500 00686 39890 29359  
74339 70569 72844 08882 93165 23622 12732 82344 98563 68374  
16853 10647 65294 96742 68394 69645 19975 33019 65097 13671  
92940 59787 76994 56938 43028 85343 94830 59659 22309 11684  
68474 22475 80103 13071 88797 39468 19354 79034 52571 38332  
43910 23714 93676 33071 65145 41994 04359 25034 15171 77928  
21705 84974 03872 08809 78006 47282 05175 57624 13630 73996  
21133 72219 57946 31259 11267 92745 57811 16301 86933 61727  
40741 82140 14997 31849 91463 24897 92573 28514 15302 37083  
81769 04541 91834 65334 14282 99311 63333 63329 36303 44651  
66684 29300 24264 20855 50987 86373 46799 43309 49554 90881  
01647 18687 59237 57470 39785 17671 43912 25929 63587 16616  
27931 51164 35530

**17462/16114/14828 kHz, 17-05/18-05, 1900/1920/1940 UTC**

00288 00116 57987 05432 56704 96542 36588 14650 90947 39082  
08215 21786 56566 77334 05156 28265 18642 52361 48627 70102  
89161 36602 11594 62726 39133 19836 80788 43019 21322 09169  
06943 20150 99884 95788 72274 05773 53872 09570 38077 17350  
91063 17141 82439 95259 85597 07765 80090 47984 27692 28130  
47401 91064 94982 97663 78412 58089 95121 15462 09101 10715  
33125 65895 97857 07741 96479 10136 55065 53530 41506 05573  
83600 05065 10281 55274 98434 51528 20768 79549 27676 06237  
32472 54641 84020 29248 60892 95521 25285 43919 89082 82596  
62045 99397 85951 71921 66088 13006 69909 22525 66213 73094  
41387 39666 12791 89211 20536 17977 54232 40836 29794 91958  
39966 97905 78942 97067 80575 62602 80305 21952 52662

**14794/13994/12194 kHz, 18-05, 0910/0930/0950 UTC**

08338 00010 06885 39657 52100 04645 00066 10977 84996 37677  
07782 00327 36663 51114 18433 30144 00804 95011 62823 95222  
63197 61770 32103

**14538/13538/12138 kHz, 19-05/21-05, 2000/2020/2040 UTC**

07297 00082 24857 03103 72498 71316 56363 15449 40182 93819  
50958 59176 29471 84471 21821 74204 01946 01242 27980 11693  
51192 80682 27709 74310 36511 89986 70580 40117 26982 77082  
10541 94031 50061 65998 18456 03575 02812 27243 30909 45008  
51578 57806 50310 22248 92565 06559 05653 13879 64831 16741  
99592 18207 32966 62466 79537 57309 88645 48674 67490 33341  
63581 75838 39481 26535 71285 50627 85289 73554 18882 81424  
65515 39492 98146 04864 15657 83811 57646 80382 31254 54014  
41294 34389 56669 67500 13106

**11541/13441/14941 kHz, 20-05, 0700/0720/0740 UTC**

09509 00001 00000 40261

**15938/14538/13438 kHz, 20-05, 1500/1520/1540 UTC**  
03398 00001 00000 36664

**13538/14438/14938 kHz, 21-05, 1600/1620/1640 UTC**  
09267 00001 00000 35667

**11541/13441/14941 kHz, 22-05, 0700/0720/0740 UTC**  
06233 00001 00000 33661

**14794/13994/12194 kHz, 23-05, 0910/0930/0950 UTC**  
06508 00001 00000 37656

**13538/14438/14938 kHz, 23-05, 1600/1620/1640 UTC**  
09718 00001 00000 40662

**17462/16114/14828 kHz, 24-05/25-05, 1900/1920/1940 UTC**  
00305 00082 01086 23703 32420 02194 01110 31957 57900 70957  
28576 58031 77757 82788 62208 24818 87137 29484 01023 59540  
70896 33676 84686 57722 94430 72676 14440 09905 44221 88454  
36338 69139 34463 49259 63936 71934 27064 57879 42981 14686  
21478 19239 93708 85057 24308 90360 89763 76410 61509 26724  
94141 06550 42731 79460 14555 83180 70647 46573 64647 62467  
38327 62041 83229 63513 18859 22740 76254 84564 81298 10763  
60731 16037 94579 25859 47808 46591 20091 11328 53911 60855  
32064 14048 31474 60495 44405

**14794/13994/12194 kHz, 25-05, 0910/0930/0950 UTC**  
02408 00001 00000 37252

**15938/14538/13438 kHz, 25-05, 1500/1520/1540 UTC**  
03343 00001 00000 34257

**11061/10341 kHz, 27-05, 2000/2010 UTC. Exercise traffic.**  
05553 00073 89527 22240 89269 80202 81384 23272 81672 09817  
72783 16339 86888 66675 80412 72448 91025 03443 59884 13895  
42269 68666 82949 66521 21149 81570 33484 70438 77894 30487  
57682 21760 52952 47102 61133 53196 87695 67661 52723 58269  
59361 35347 99702 75906 71487 33998 60500 83071 13182 65799  
98822 33587 05460 93793 04284 39660 86039 77476 47191 69572  
28761 36458 38989 45063 29998 63378 44838 98325 13332 68307  
09840 39574 04663 99590 51812 07644

**11071/10330/9367 kHz, 27-05, 1900/1910/1920 UTC**  
Exercise traffic. 72 groups

**13538/14438/14938 kHz, 28-05/30-05, 1600/1620/1640 UTC**  
00142 00125 04732 45792 66316 78972 79446 91870 15753 06267  
18415 47002 93180 92861 87660 19150 76747 62580 44135 54604  
90038 32710 88694 15410 66614 31826 98040 11707 55538 84503  
59889 42077 95539 40154 17853 82776 85287 43634 67185 93180  
00856 06772 84307 96955 62215 25025 04555 14776 81358 84878  
90166 87504 25167 49892 57420 64863 02735 11948 03004 74989  
89992 20787 94716 31876 23425 10314 82659 46062 59550 04306  
79776 70423 96846 37165 47324 32814 96453 51878 12478 06157  
50351 49024 32530 70417 08020 91140 23437 90561 49812 71077  
66740 30941 07244 65985 71957 95707 33658 53171 26754 38086  
28937 66948 42050 57960 94611 87456 96690 84486 39980 42466  
79034 05987 57912 29828 50606 82192 69445 82729 05477 21297  
60363 21210 55188 66131 58560 57947 99808 73555



**14801/13434 kHz, 28-05, 0910/0920 UTC. Exercise traffic. Two messages**

02143 00072 42282 11515 10303 72519 92020 31904 12140 21228  
02662 13440 32874 12079 92563 88800 60329 75309 97491 93308  
01429 87024 24334 38786 58080 27654 55820 55021 05157 44158  
06532 11627 01478 65028 78576 06415 75174 80508 49740 91470  
94860 11772 47460 40638 50033 71066 82606 37473 72783 74045  
94074 93322 00003 20406 75801 32296 30617 41966 92142 71641  
70077 35041 61569 03938 00836 53374 16788 29833 91440 87552  
31261 72711 00309 03676 10726 00000 00000  
05832 00072 32816 31143 55748 67857 95623 79357 44003 05473  
07547 94556 38285 76578 47578 14718 12026 20144 34893 62145  
49689 31866 47474 17013 74035 08641 82253 15133 02580 69141  
92018 99338 45447 14833 65773 59229 06221 62163 21848 47009  
10814 34273 07138 83120 83291 56288 78137 97178 19322 40450  
16700 88899 72496 25759 02348 99976 42687 01129 09180 95460  
92860 92211 98134 55615 14568 10539 34266 23077 88009 27735  
49219 47289 86817 55462 06420

**11071/9367 kHz, 28-05, 1900/1920 UTC**

Exercise traffic. Two messages

08484 00071 14968 89280 18728 64784 16623 71714 37466 33482  
59013 76509 43760 57630 72146 34164 30859 25586 05719 09851  
56785 38650 25956 44268 92879 14946 45648 79005 49083 55155  
57161 37383 88185 78478 44104 02033 63490 73935 05167 57125  
71460 15121 06957 43288 38117 82538 21886 49789 12714 36692  
25231 89282 80739 98182 55496 11964 25506 78467 57860 14425  
54877 60370 70549 34671 03517 77785 66608 87839 64750 41466  
67705 18799 92523 75151 00000 00000  
05915 00072 93292 68672 89910 52531 66700 65720 19563 49828  
69963 17977 17108 35195 11361 93385 53354 76168 85059 37579  
98977 55344 84112 84651 64406 61878 18586 74589 13620 33831  
81963 43900 47563 09355 38860 27292 33569 98951 34574 47080  
49277 03360 71987 11973 10841 83016 47398 30789 64344 15693  
28258 31868 62205 98903 03077 77390 37073 64704 22102 32395  
26562 87571 67854 91469 40860 72044 44347 71444 00097 44553  
18600 27955 67037 23387 16503

**14538/13538/12138 kHz, 28-05, 2000/2020/2040 UTC**

09183 00038 49315 43411 85633 37517 80226 53749 17793 08438  
52832 03759 54798 14415 34550 85167 50945 71480 17709 08406  
42174 29982 79893 82534 59944 80213 82501 26763 14805 85287  
90942 35583 02070 29617 91402 70857 04532 14870 77420 51941  
05663

**11541/13441/14941 kHz, 29-05, 0700/0720/0740 UTC**

09851 00001 00000 35666

**17431/15841/13934 kHz, 29-05, 0910/0930/0950 UTC**

03060 00001 00000 31261

**17462/16114/14828 kHz, 31-05, 1900/1920/1940 UTC**

09636 00084 83245 23518 12772 75267 06285 99266 20063 88137  
73762 97315 56708 81878 06538 50023 14492 54978 51217 36225  
40380 60546 70604 23153 75287 49470 31364 31496 92779 72060  
73676 85991 00295 82249 65476 13855 15043 97164 36610 10938  
04438 73401 72999 19919 86975 33658 42357 54936 50758 43416  
55694 23268 19177 02590 35955 55209 71965 55886 22888 41701  
64331 01095 40387 99664 54261 25275 90513 49606 30869 54983  
71011 94679 70946 44619 83591 60796 91352 14776 84278 94209  
84767 57712 94184 76744 34938 79067 56150

## XPB1

### MFSK-16 transmissions

14852, 13952, 12152, 11152, 10352, 9252 kHz, 05-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 07-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 12-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 14-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 19-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 21-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 26-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.  
14852, 13952, 12152, 11152, 10352, 9252 kHz, 28-05, 1900, 1910, 1920, 1930, 1940, 1950 UTC.

## Polish Digital Modes

### E11 family digital transmission modes.

Priyam extended the list of designators as follows

#### FSK transmissions

F03a FSK-2 100Bd/200Hz  
F03b FSK-2 200Bd/400Hz  
F03c FSK-2 400Bd/960Hz  
F03d FSK-2 200Bd/400Hz  
F03e FSK-2 200Bd/800Hz  
F03f FSK-2 400Bd/800Hz  
F03g FSK-4 100Bd/200Hz  
F03h FSK-4 200Bd/400Hz  
F03i FSK-2 100Bd/800Hz  
F03j FSK-4 100Bd/400Hz

#### PSK transmissions

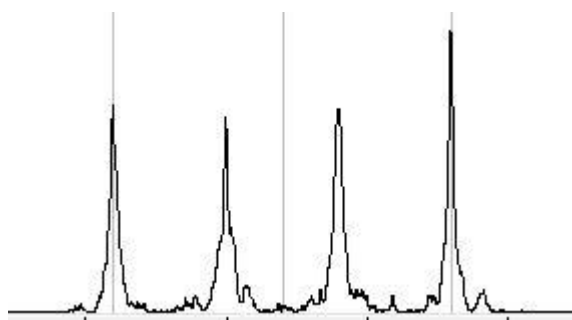
P03a BPSK 62.5Bd  
P03b QPSK 62.5Bd  
P03c BPSK 125Bd  
P03d QPSK 125Bd  
P03e QPSK 100Bd  
P03f QPSK 200Bd

#### Various modes

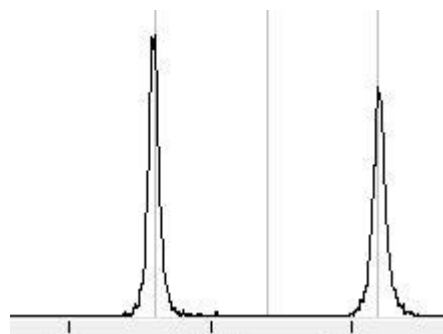
N&O uses designator POL for Polish digital modes without a designator

F11 FSK 100Bd/620Hz  
and FSK 100Bd/740Hz

F11 is not active at the moment and is probably replaced by one of the modes mentioned above.



FSK-4



FSK-2

## ***DIPLOMATIC STATIONS***

### ***North Korean diplomatic stations***

12208 kHz, 6-5, 1212 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13472 kHz, 9-5, 1340 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12207 kHz, 22-5, 0759 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12203 kHz, 29-5, 0732 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB

### ***Egyptian diplomatic stations***

**17426.7 kHz, 09-05, 1159 UTC, SITOR-A 100/170, i.p.**

WTA97 74F23 5EKKVE KKVE KKC91 BB8F6 749AF79B 19:7148 E9086  
6F6667A A7013 A4363 CADE8 1B266 27595 0115A 43192 CB551  
87751 86%@,.#1AAC2 4F982 4CF85 2CF38 EAC31 F7C4A 53356 6A8D4  
BD818 7FD-:0D7 42B C2D08 A602E E0CBC DBE6D OE7DB

22AED 09276 FWUD80 FFE12 ED6FF B4F72 C8BC9 6)2.334B7  
AA997 441AE A3A0\$05B8 944COF PUC18 BB6B2 7112A D63FC  
FCED5 0F192 AC4ZPU UUB05 432C40AC FB6E4 2642E 7352B  
099A5 17BF2 38A67 7AF9B 34494 32E96 60792 74D76 0C78A  
CC0FA E56ED 4( 0?G 0683D C889A CD90E 29416 BFC71 58A10  
F821 3520B FBBF8 F%FB 7E344 43YPGED 488EU UKKVE KKKKD  
F2D2C D606D 5E042 21F39 8CAF1 C85D1 35413 7BB5F C2D64  
14?#70D92\$98  
NNNNNN  
IRD HBMPQXQXQQQ  
HUXD+?

## ***UTILITY ROUND-UP***

### ***North Korean Military***

**6742 kHz, 06-05, 0752 UTC, i.p.**

54470 01305 54954 66198 42023 ...  
AR AR ABV ABV  
QTC NR 6 CK 44 = =  
94925 78733 47973 43425 72004 61632 77462 66456 13472 74451  
54470 01305 54954 66198 42023 62265 64205 81993 37148 92696  
... 56115 93932 AR AR

**5609.2 kHz, 13-05, 0640 UTC, i.p.**

73674 82910 41933 .4083 27.12 7.864 58451 8.932 26.02  
49603 08533 67968 36594 9.663 61221 02690 57024 32420  
7881. ..46 81752 49669 27..8 7293 45569 98034 3 27943 48753  
17086 62454 31027 90026 69543 14423 53757 .  
QRU . 750 QRU 1.60 SK SK

## Unid stations

6310 kHz, 24-05, 0731 UTC, i.p. Heard by JPL in China

= 85528 G3154 16450 19061 40891 32283 AR

NIL

QRX 0800 K (Appears to be using UTC time)

GB ?

## US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

Date	UTC	Callsign	Details
01-05	0032	Red Camp	30 chr EAM 6MJJLA ZG2XZ4HRHZZRFIYDCSYRD762
01-05	0036	Red Camp	30 chr EAM 6MJJLA ZG2XZ4HRHZZRFIYDCSYRD762
01-05	0122	Red Camp	30 chr EAM 6MYEHB TELTOPARCHVRIGCW4HUDY5JH
01-05	0259	Red Camp	30 chr EAM 6MU6RJ SRQWAL4RDODGMQVLQRUGIJKV
01-05	0304	Red Camp	Skyking msg: Corrs? time 04 auth MT (horrible pronunciation)
01-05	0345	Red Camp	30 chr EAM 6MXKUX YHFTEN6KQBFDH24VF63ZWH2F
01-05	0348	Red Camp	30 chr EAM 6MZ5MP R5Y7EV43TQBYP5BI2YQERSJM
01-05	0425	Red Camp	30 chr EAM 6MHHW3 NL4UVJ2DOKIEFP5PTNS73TQE
01-05	0428	Red Camp	30 chr EAM 6MMAQ5 A3UBBK6YI632ODIFNFJHURBF
01-05	0401	Red Camp	30 chr EAM 6MZ5MP R5Y7EV43TQBYP5BI2YQERSJM
01-05	0403	Red Camp	30 chr EAM 6MXKUX YHFTEN6KQBFDH24VF63ZWH2F
01-05	0405	Red Camp	30 chr EAM 6MU6RJ SRQWAL4RDODGMQVLQRUGIJKV
01-05	0417	Red Camp	30 chr EAM 6M2Q2V YGZABVUFYHFTABA4EK3LOGX6
01-05	0421	Red Camp	30 chr EAM 6MLXVO S7VII6Q5ZSXLNLCV472VS73Z
01-05	1726	Red Camp	30 chr EAM 6MKHG4 NBTE5V4GEE7GSY52IWVTKNXI
01-05	1828	Red Camp	110 chr EAM LJOFYK PVF- KWIXPHZEXESO6IO5TOR4RZH7Z3XEBZWJSSXHOVFO4FL44447YD3T7R7WLCZ3IZFKFH HHHUKTSUDYNVVLSEGGFQRHHHHIR2U23XTY
01-05	2206	Red Camp	30 chr EAM 6M7V2C OAPRM3Y3J6JNR6RLCLVDONRB
02-05	0017	Animosity	40 chr EAM UBEHRM IJMQ4XHDNZXFLNEQJPPTYV3OF2ZJIXT3XW
02-05	0036	Animosity	30 chr EAM UBGSUM BDAGGNGXQYYRI5XLBLQIW6BB
02-05	0044	Animosity	30 chr EAM 6MOKTA DFSTRUEINTW7V5TGZ5KXAOQU
02-05	0049	Animosity	30 chr EAM 6MW5DL L7DF2E3NUXIPJWRUSRKZ7BLC
02-05	1329	Animosity	30 chr EAM 6MCP5T BUNE2IXICHA2TQQRV6CDNVZ
02-05	1350	Animosity	30 chr EAM 6M4PCJ 62KRYCSRUVXROJC35D2IT63E
02-05	1509	Animosity	30 chr EAM UBT5WP CE27SNBZHMQCD23UYX7HR3F7
02-05	1557	Animosity	36 chr EAM UB3YXV SE3YB4O5G6N2GCDTN4PYL562RQWJAL
02-05	1651	Animosity	43 chr EAM UBRBP4 SMWX35A5ELB2W4U7VNREL3DUCLZKUA27MN47B
02-05	1700	Animosity	30 chr EAM UBF5DF 5K7RQ4SDQ26SYGAXJGVH6KFL
02-05	1746	Animosity	30 chr EAM for Delf-07 UBQLR3 OKV3ZD2B4NIK7NGRVVZBBJ26
02-05	1815	Animosity	52 chr EAM UBGLLC KPH2Z5P3HD6PHTBHQ3VKDLSEVA5OUUCOTLZVA5FBUJWFUR
02-05	1819	Animosity	30 chr EAM 6MACR7 QQA6NZYMKXKNOQ3UF4FO3Q6E
02-05	1854	Animosity	47 chr EAM UBTADS CHDZCPYXVOD5QMGGXK5IFSV3SASTH326SDL5VNZTG
02-05	1937	Animosity	47 chr EAM UBTADS CHDZCPYXVOD5QMGGXK5IFSV3SASTH326SDL5VNZTG
02-05	1941	Animosity	52 chr EAM UBGLLC KPH2Z5P3HD6PHTBHQ3VKDLSEVA5OUUCOTLZVA5FBUJWFUR
02-05	1952	Animosity	33 chr EAM UBTCU3 BOBU7B7CINTJEIYXPSAJTJPPRMJ
02-05	2001	Animosity	52 chr EAM UBGLLC KPH2Z5P3HD6PHTBHQ3VKDLSEVA5OUUCOTLZVA5FBUJWFUR
02-05	2023	Animosity	33 chr EAM UBTCU3 BOBU7B7CINTJEIYXPSAJTJPPRMJ
02-05	2030	Animosity	52 chr EAM UBGLLC KPH2Z5P3HD6PHTBHQ3VKDLSEVA5OUUCOTLZVA5FBUJWFUR
02-05	2035	Animosity	33 chr EAM UBTCU3 BOBU7B7CINTJEIYXPSAJTJPPRMJ
02-05	2211	Animosity	30 chr EAM 6M2Y76 EYDERYTBFLXCCXLWYDJPZQ3
02-05	2233	Animosity	30 chr EAM 6MSKJG KBQTSJWUSFUOIXDU4MSXZ5VT
02-05	2236	Animosity	30 chr EAM 6M6KR3 DJGMXZLLSULFYZYS2OKJ7DE
02-05	2240	Animosity	30 chr EAM 6MVUXK JG7ZZTKDHIMVFNF4YGAVHIO

03-05	0056	Bracelet	Skyking msg: Pixies time 56 auth FV
03-05	0150	Bracelet	Skyking msg: Corn time 50 auth MZ
03-05	0158	Bracelet	Skyking msg: Poison time 58 auth SE
03-05	0203	Bracelet	30 chr EAM 6MTLKL CWJOZQAVNSII4TKAQZLAB3Z7
03-05	0210	Bracelet	Skyking msg: Poison time 10 auth PH
03-05	0232	Bracelet	Skyking msg: Corn time 32 auth EB
03-05	0244	Bracelet	Skyking msg: Outfield time 44 auth KS
03-05	0258	Bracelet	Skyking msg: Outfield time 58 auth RY
03-05	0340	Bracelet	Skyking msg: Corn time 40 auth ZS
03-05	0412	Bracelet	Skyking msg: Corn time 12 auth RW
03-05	0447	Bracelet	Skyking msg: Outfield time 47 auth HV
03-05	0612	Bracelet	30 chr EAM 6MBV6A 2ALUR2RDFKJOUN72IG3HQLT
03-05	0617	Bracelet	30 chr EAM 6MMUTV rest unreadable
03-05	0650	Bracelet	30 chr EAM 6MBCCW MFIPKURDIPK3HVVBDMOJRWZI
03-05	0653	Bracelet	30 chr EAM 6MZXB2 X4MFNME2UOPS7UVDUCUJLYMZ
03-05	1310	Bracelet	30 chr EAM 6MGJ6K KURQPJYR4QAWPPIVJMYCWSPX
03-05	1313	Bracelet	30 chr EAM 6MZST5 3RD3RDDFAYQWSWBRRZVZPEBF
03-05	1317	Bracelet	30 chr EAM 6MUOV4 KQZCPKYWVG2SRK25KKKAFH4T
03-05	1329	Bracelet	30 chr EAM 6MUOV4 KQZCPKYWVG2SRK25KKKAFH4T
03-05	1332	Bracelet	30 chr EAM 6MZST5 3RD3RDDFAYQWSWBRRZVZPEBF
03-05	1335	Bracelet	30 chr EAM 6MGJ6K KURQPJYR4QAWPPIVJMYCWSPX
03-05	1338	Bracelet	30 chr EAM for Tiptoe UBDK6D CVESITMEXRKMCMHVXHN3R4S
03-05	1341	Bracelet	30 chr EAM 6MUG74 BWY3CYYSJB7WPF7VBON57KLG
03-05	1354	Bracelet	30 chr EAM for Tiptoe UBC6PC EFGUQSUVBFSJM7QJCYFP4JGU
03-05	1405	Bracelet	30 chr EAM for Tiptoe U4GYCJ UWN3AZPJOWRZH3JQL4IVRW4O
03-05	1422	Bracelet	29 chr EAM for Tiptoe U4V3EM LANVU6PAUMLVMN73IW2IU6I (character 29 was not sent)
03-05	1426	Bracelet	30 chr EAM for Tiptoe U4V3EM LANVU6PAUMLVMN73IW2IU6OI
04-05	0342	Green Sky	30 chr EAM 6MCEAW 6RCVXMN4DSQWNGKVJ7WRPQY6
04-05	1632	Green Sky	30 chr EAM for Harp U4MYXO KGIC67SNJKPPWTC6XASB424
04-05	1733	Green Sky	30 chr EAM for Harp U4O6L3 LXADWUMV74UH6XY3K32GLWVB
04-05	1753	Green Sky	30 chr EAM for Harp U4MMVX 07ICLSV4A7KVN5HCXO7L4D
04-05	2017	Green Sky	30 chr EAM 6MTSTS CCXVYCTUHTUWYG7L45L2REX
04-05	2023	Green Sky	30 chr EAM for Harp U43MZV 62L3VNFGKFH3O7E7GGQUWBLE
04-05	2027	Green Sky	30 chr EAM for Harp U43MZV 62L3VNFGKFH3O7E7GBQUWBLE
04-05	2057	Green Sky	30 chr EAM for Main U4LE7W QP3OKDSZUVSXXP6BREBBCNY6
04-05	2101	Green Sky	30 chr EAM for Main U4LE7W QP3OKDSZUVSXXP6BREBBCNY6
04-05	2107	Green Sky	30 chr EAM for Harp U4XB66 BS6UFDR3MIMUFA6CHBE0F74K
04-05	2110	Green Sky	30 chr EAM for Harp U4XB66 BS6UFDR3MIMUFA6CHBE0F74K
04-05	2114	Green Sky	30 chr EAM for Main U4Y4XJ UNRGZ5FMBE5NBBUO5NTC75OC
04-05	2116	Green Sky	30 chr EAM for Main U4Y4XJ UNRGZ5FMBE5NBBUOP7TC75OC
05-05	0018	Larboard	30 chr EAM for Bella U4IEPG BGSLNLKP4O7YCLEAD6CNS2Y7
05-05	0033	Larboard	30 chr EAM for Bella U4Q4F6 4A3P6LZWOTG42E7JUZTELCHG
05-05	0051	Larboard	30 chr EAM for Bella U4BJWI OO6RE4E443FLFUGGI7CNJOLE
05-05	0055	Larboard	30 chr EAM for Bella U4BJWI OO6RE4E443FLFUGGI7CNJOLE
05-05	0140	Larboard	36 chr EAM U4I46A HZN2PNPCHNC3H6QI2GO4V3VRKF04B2
05-05	0406	Larboard	36 chr EAM U4F22H P4F7ITZMUTL4WCD6CZZGNKVJJCZPXP
05-05	1119	Larboard	30 chr EAM for Emily U455RB LRNEVLVECQIN4WCXD76QDLWB
05-05	1606	Larboard	30 chr EAM for Emily U4HEQQ J7XMF2KGN2SJZ6WDTB6OWM5M
05-05	1616	Larboard	30 chr EAM for Emily U4KN3Q MSJI3TDDLO7GMIOFOS23TS27
05-05	1723	Larboard	180 chr EAM LJXSWP EORAG-LWW6SEIK47Y27GQSOVOO4DGP2W5W76ZZZJFHY6H5FZKB3VVFEHFPPPP2QGALKRR BKT4BZQBZQJJYVIAAX4CHHCTV66KNKFFFFFYUUS3TBTYQ3SJJRLOXIIIIIN2FHMLSXJV4R6 PBTP4SULNV2VIJHAI6U6W5555XHO4XT3GY
05-05	1734	Larboard	30 chr EAM for Emily U4O5JD IHSGEKZNOCXDINT7XDTWQEJI
05-05	1900	Larboard	47 chr EAM U4ZM2I BTPT22YQ3QZKZCEZGZCYBRTBJYSFWYX35H4NJFBH
05-05	2007	Larboard	52 chr EAM U4WVFJ LJ4V5HCJAI3QDYHI2FIHI23NH3MJGITNEBRTNKOUNRQG2L
05-05	2012	Larboard	52 chr EAM U4WVFJ LJ4V5HCJAI3QDYHI2FIHI23NH3MJGITNEBRTNKOUNRQG2L
05-05	2033	Larboard	30 chr EAM for Moist U4CCFR ULFCZFFOV3CAO4GLGHEV2SIQ
05-05	2029	Larboard	30 chr EAM for Moist U4CCFR ULFCZFFOV3CAO4GLGHEV2SIQ

05-05	2103	Larboard	30 chr EAM 6MW6ZC QNZR4IPFZTTUTO6YLF4GTJX
05-05	2106	Larboard	30 chr EAM 6MW6ZC QNZR4IPFZTTUTO6YLF4GTJX
05-05	2113	Larboard	30 chr EAM for Moist U4H5RB D36ZOVGQSPS6MSQ4B367XV3C
05-05	2116	Larboard	30 chr EAM for Moist U4H5RB D36ZOVGQSPS6MSQ4B367XV3C
05-05	2142	Larboard	30 chr EAM 6MXM2L UW3L2TJYKJAOBRHAPKZ3AOJU
05-05	2147	Larboard	30 chr EAM 6MXM2L UW3L2TJYKJAOBRHAPKZ3AOJU
06-05	0608	Truckman	Skyking msg: Linebacker time 08 auth NZ
06-05	1329	Truckman	30 chr EAM 6MZF7Q PYUDVCJDGRX7ZSFD7F5N6XAAQ
06-05	1332	Truckman	30 chr EAM 6MY52P 2ZQRRKK4O6LDX64S7M3F0KPD
06-05	1341	Truckman	30 chr EAM 6MVSFH R4AXA4AL4C5J4HGE7ZVDYRTS
06-05	1346	Truckman	30 chr EAM 6MY2C2 YUXIU2ZRZDSLQLX246XOI7VU
06-05	1500	Truckman	30 chr EAM 6MY2C2 YUXIU2ZRZDSLQLX246XOI7VU
06-05	1503	Truckman	30 chr EAM 6M5IEO JKK2P5WTDUHCZYDOGF2GFTLR
06-05	1506	Truckman	30 chr EAM 6MUFQ2 FS53PUWDDPSUS7H7NA5WZKXG
06-05	1807	Truckman	30 chr EAM U4TSVH UUQ3BLEHD4AQI3H3FF6WMZM3
06-05	1818	Truckman	30 chr EAM 6MSPQN JROQETML7S4UWZHKY5ZSRDHX
06-05	1841	Truckman	30 chr EAM 6MWQIA UB3UGIRIZBGB2MI3OD5BXNZI
06-05	2054	Truckman	30 chr EAM 6M475L HSXYD2DYTAFJSKSA5SRKX2Y4E
06-05	2331	Truckman	Skyking msg: Skynyrd time 31 auth IN
07-05	0031	Splendor	Skyking msg: Cheerleader time 31 auth OR
07-05	0128	Splendor	Skyking msg: Linebacker time 28 auth JE
07-05	0241	Splendor	Skyking msg: Skynyrd time 41 auth EQ
07-05	0314	Splendor	Skyking msg: Quarterback time 14 auth WN
07-05	0618	Splendor	Skyking msg: Roses time 18 auth FE
07-05	1443	Splendor	30 chr EAM U46MZK WNBWUOJSTMCRNJUSQWALRHNK
07-05	1543	Splendor	36 chr EAM U45VX5 A76DRLVP6ENG3U4KMQG6NLPNBBPGGP
07-05	1533	Splendor	30 chr EAM 6MJUA2 LVH6BJM2HIUYCRQPTJGJ527Z
07-05	1536	Splendor	30 chr EAM 6MOZSM 6Z6LSAQ6FGJ4PRD7RFELTUKI
07-05	1553	Splendor	43 chr EAM U4GWI6 3VGPCPICFCVKWDHFPIEFCVK25JSYKBEIUPTLV
07-05	1557	Splendor	43 chr EAM U4GWI6 3VGPCPICFCVKWDHFPIEFCVK25JSYKBEIUPTLV
07-05	1606	Splendor	30 chr EAM U4W4T4 UDM6VXUUYPAJOMVCSGUWWI6H
07-05	1620	Splendor	52 chr EAM U473GD AE7TJTIEHDGHE2WYYCAMG3EM2XCVS13WBMM2XYY5QEUPV
07-05	1628	Splendor	30 chr EAM 6M33D2 GS6WWBCPSSRHTCYM2SJA4C6M
07-05	1702	Splendor	30 chr EAM 6MPQ7Y YFTFAUS3JPYPLWXTSN24UIQO
07-05	1818	Splendor	30 chr EAM 6MME6B WC7AN3NJEONDRG4DPDDI2MSQ
07-05	2206	Splendor	30 chr EAM 6MQRK2 ADK5ZGO75SWOG5ZR7HNWEZAS
08-05	0025	Raided Man	Skyking msg: The Cars time 25 auth BZ
08-05	0027	Andrews	Disregard my The Cars transmitted at 25 time 27 auth HF
08-05	0025	Andrews	Skyking msg: The Cars time 28 auth GH
08-05	0203	Raided Man	30 chr EAM 6M4MYD TO2G5UT7XGGWDBN6LKKBZL62
08-05	0340	Raided Man	30 chr EAM 6M4MYD TO2G5UT7XGGWDBN6LKKBZL62 (mix of 2 stations sending different EAMs)
08-05	0341	Raided Man	30 chr EAM 6MDH27 V72TOP64QM5N4PCSAI2SIXLP (mix of 2 stations sending different EAMs)
08-05	1631	Raided Man	30 chr EAM 6M4YAY J37DL2TZCK4IXBPKTA73QWVY
08-05	1633	Raided Man	30 chr EAM 6M6E5T W4RH7CW4NTBVPUXRV7KIS43O
08-05	1635	Raided Man	30 chr EAM 6MRWK4 E7THC45A36MDET27BFLZBD4P
08-05	1659	Raided Man	30 chr EAM 6M6Y5Z TVA7AMPOOLY4GQKJKQ7OBFKY
08-05	1703	Raided Man	30 chr EAM 6MNMAG WHUDEB32AFMHMUVVW6Q647G3
08-05	1706	Raided Man	30 chr EAM 6M4YAY J37DL2TZCK4IXBGKTA73QWVY
08-05	2117	Raided Man	30 chr EAM 6MQFVR 6LZNT3FOWVNYSDNSYUMG4ZKI
08-05	2143	Raided Man	30 chr EAM 6MHOTC WHC444A3X2AYAQC3AEU4ML7
08-05	2152	Raided Man	30 chr EAM 6MRJ2W NUYSNU3RWX6V4RRVFFBVOSPJ
09-05	0508	Real Silk	30 chr EAM 6MOYI2 5BOJ7BZ3PBCTON7RQ4WZJNA
09-05	0530	Real Silk	30 chr EAM 6MNTZ5 43MFJSOWF2ZCAPNLRFFINTOL
09-05	0533	Real Silk	30 chr EAM 6MMOEQ 4QKGZJLADYJFDUJZL3ZOAEBN
09-05	0602	Real Silk	30 chr EAM 6MZGGB DRYHGDGGZNU3YWDI3GHKW4B
09-05	0614	Real Silk	30 chr EAM 6B5R2M DJTDJCFIKW5RFDCYV7B7DWUS
09-05	1008	Real Silk	30 chr EAM for Bench Warmer U4E2NN T6NZ2GLTYWABJX6CZDUNMCJH
09-05	1020	Real Silk	30 chr EAM for Bench Warmer U4HRR5 NH7UI2TO47PPCWD3YTEHATTL



09-05	1034	Real Silk	30 chr EAM for Bench Warmer U4IAUB UAU35FOTPL65RXLQT7YLN27H
09-05	1146	Real Silk	30 chr EAM for Bench Warmer U4WJ TZ VU.UC..E3V6YDMWT.NCERCYI (very distorted signal)
09-05	1201	Real Silk	30 chr EAM for Bench Warmer U47G4M KOB4BZ3UIVGSESBKPE7ZFDC
09-05	1216	Real Silk	30 chr EAM for Bench Warmer U4CD3L DGEN3C334RHGRCPNXWV4FRNY
09-05	1246	Real Silk	30 chr EAM for Outfit U4ATHV 6HKCATCGHK3J4UWA47OTEZS2 (barely audible)
09-05	1300	Real Silk	30 chr EAM for Outfit U4RMEU ZXFONSXWVZLGFANDKDNE5C7U
09-05	1323	Real Silk	30 chr EAM for Outfit U4NNFC DYYRQPB5X3Q6HQTE446KDZYS
09-05	1332	Real Silk	30 chr EAM for Outfit U4IH6 NRG72EHA4YLJSO7H6D3BRNYK
09-05	1556	Real Silk	52 chr EAM U4OQNZ XDYJFDIONQBP3NVTTUNVTTZPHODKFQP46ACHOPALH6FSOF
09-05	1602	Real Silk	52 chr EAM U4OQNZ XDYJFDIONQBP3NVTTUNVTTZPHODKFQP46ACHOPALH6FSOF
09-05	1630	Real Silk	52 chr EAM U4OQNZ XDYJFDIONQBP3NVTTUNVTTZPHODKFQP46ACHOPALH6FSOF
09-05	1657	Real Silk	30 chr EAM 6BO5P6 LSNDQFLTNA4S4LOBTG3NRD45
09-05	1700	Real Silk	30 chr EAM 6BPP3H QQCAVTWHR6FCFGTR577WZRLN
09-05	1704	Real Silk	30 chr EAM for Agog-49 U4TXAR QQJOITA6S4DKSBP3IU7JY4OG
09-05	1707	Real Silk	30 chr EAM 6BPP3H QQCAVTWHR6FCFGTR577WZRLN
09-05	1710	Real Silk	30 chr EAM 6BO5P6 LSNDQFVTNA4S4LOBTG3NRD45
09-05	1712	Real Silk	52 chr EAM U4OQNZ XDYJFDIONQBP3N6TTUNVTTZPHODKFQP46ACHOPALH6FSOF
09-05	1730	Real Silk	30 chr EAM 6BPP3H QQCAVTWHR6FCFGTR577WZRLN
09-05	1733	Real Silk	30 chr EAM 6B5GOT KIOZ6NLRB7ENYS5PZESDCFUO
09-05	1739	Real Silk	30 chr EAM 6BL4IT EQQOEVPFZVFY6DSZIJHAOLI
09-05	1742	Real Silk	30 chr EAM 6B5Z6D CQV7BGYZVBQ2JWRUFGKVIG4J
09-05	1745	Real Silk	30 chr EAM 6BPP3H QQCAVTWHR6FCFGTR577WZRLN
09-05	1747	Real Silk	30 chr EAM 6BO5P6 LSNDQFVTNA4S4LOBTG3NRD45
09-05	1749	Real Silk	52 chr EAM U4OQNZ XDYJFDIONQBP3N6TTUNVTTZPHODKFQP46ACHOPALH6FSOF
10-05	0536	Roman Lad	30 chr EAM 6BQSZK 7O6IDE2FF3N6FWAO6EDKLWP7
10-05	0538	Roman Lad	30 chr EAM 6BACQQ IGFQIHDYNPT7LEFUYSQDHTF
10-05	0543	Roman Lad	30 chr EAM 6BV3GL 5Y47AK47YJ3CERCWJEV2GOKP
10-05	0553	Roman Lad	Skyking msg: Weezer time 53 auth PJ
10-05	0558	Roman Lad	30 chr EAM 6BKX7V 7AHX7N6CERHEXYT4EX2CO7IS
10-05	0601	Roman Lad	30 chr EAM 6BN6YZ VEV3YMJAZNUC47QF54X5DGES
10-05	1656	Roman Lad	30 chr EAM 6BXVQR 2WP2VEHLF6RTYVZZC6HVIYRS
10-05	1732	Roman Lad	30 chr EAM 6BH47W M2NUJAWYBJWAH7CXVHYIWS4
10-05	1816	Roman Lad	30 chr EAM 6BZD TO WYNQU74DFWOSC42BUERBP7GT
10-05	1829	Roman Lad	30 chr EAM 6B73KF WBR4AYG26H6TGULYDQ37ZBWR
10-05	2011	Roman Lad	30 chr EAM 6BBX6N GZDMSVFBTT6ERZ7AM4VRSI2E
10-05	2026	Roman Lad	30 chr EAM 6BF4SZ KOGEOVPBAZXEYMGEATANOL4G
10-05	2029	Roman Lad	30 chr EAM 6B5FY4 A7P3UJAZVGYI3PIGOGWN6HQ
10-05	2117	Roman Lad	30 chr EAM for Distilled Water U4FYC5 Z7FZRCRZVWCQNUIY63XLGINC
11-05	1347	Bear Trap	30 chr EAM for Dixie Belle U4SIYW 2WA2BORCEIO7U5CU3WQSS4AW
11-05	1702	Bear Trap	30 chr EAM for Dixie Belle U43L2H L5UBLLRRU2VILXBWBVOMMS5J
11-05	2137	Bear Trap	30 chr EAM for Dixie Belle U4LORO QXCFLYKLQOEOR4HSJYZNSD2E
11-05	2147	Bear Trap	30 chr EAM 6BOH73 W2T7XW63WGUHIHE2TOGYIMAT
11-05	2159	Bear Trap	30 chr EAM 6BSXUZ WQB7HJ2RQNBX5JS7NG3NBDPX
11-05	2215	Bear Trap	30 chr EAM 6BR4L3 TB4VP2WJU2KALL5WYN36V4AK
11-05	2217	Bear Trap	30 chr EAM 6BTNG2 BBBAR3RFZIXUR6HU7HTJCGWZ
12-05	0538	Egg White	30 chr EAM 6BDPR4 MTBYNK6VVZLVRUNLPF6FBTGM
12-05	0541	Egg White	30 chr EAM 6B2EDZ 2NAPP3PKL4EQUEU5Q6T3CWFAR
12-05	0544	Egg White	30 chr EAM 6BAV5I VSRXNLO27KJ5QN5L45FAG5OR
12-05	0601	Egg White	30 chr EAM 6BAV5I VSRXNLO27KJ5QN5L45FAG5OR
12-05	0603	Egg White	30 chr EAM 6BGGJF V2F4VBSVWH4ICOL47PW2N3HF
12-05	0606	Egg White	30 chr EAM 6BN3BI VF3TP4ZP4SIKRF2E5QCQD7XN
12-05	0633	Egg White	30 chr EAM 6BN3BI VF3TP4ZP4SIKRF2E5QCQD7XN
12-05	0635	Egg White	30 chr EAM 6BGGJF V2F4VBSVWH4ICOL47PW2N3HF
12-05	0638	Egg White	30 chr EAM 6BAV5I VSRXNLO27KJ5QN5L45FAG5OR
12-05	1213	Egg White	30 chr EAM for Dixie Belle U4NUIB RZ6DUPA55TYQ72XGS2CA7ONF
12-05	1447	Egg White	30 chr EAM for Dixie Belle U4ZZYM JW77WGN4USSQ5EHISWIJ3PQ5
12-05	1456	Egg White	30 chr EAM for Mushy-67 U4GA7E XKCTMPMIWKJS5ATGX6VTT2BF
12-05	1526	Egg White	30 chr EAM 6B56SA VK7PQZLNTN77G66AVNZ4AR3O
12-05	1933	Egg White	30 chr EAM 6B7QXG 62H2RLNFUUIJBHDLNANGNLDCJ

13-05	0221	Activate	30 chr EAM 6B7ANU GJHGFHCZ3J4HFE57PNZOD2TA
13-05	0505	Activate	30 chr EAM 6BXURZ K3FQ46XEYVMWV47K4CBVTRNS
13-05	0517	Activate	30 chr EAM 6B62FS ZFCBWUJ4DN5FX6GDUEQX6N4W
13-05	0542	Activate	30 chr EAM 6BJFQ4 FLLOHHJ56QSALOBUTUVIY3WD
13-05	0545	Activate	30 chr EAM 6BGD7A IOOQJM2BYZUTDXYNOT74XFQD
13-05	0605	Activate	30 chr EAM 6BAPJB NTZ72UZH2VVJP3CGWN7SCPFN
13-05	0609	Activate	30 chr EAM 6BCAUA J6AHJVQPV2OPN3M67WF2RNDG
13-05	1832	Activate	36 chr EAM U4UPEE HITOOELYIO6OYR2LQENFJHPG6JTF5R (reads U4UPE6 in the first run)
13-05	1934	Activate	30 chr EAM for Gavin-73 U4NRY3 TEPT32XXG5HTNRM33ECHW67E
13-05	1938	Activate	30 chr EAM for Gavin-73 U4NRY3 TEPT32XXG5HTNRM33ECHW67E
13-05	2004	Activate	30 chr EAM 6BODBS J4SWV6R3NRV66JGJ2TFER64A
13-05	2033	Activate	30 chr EAM 6BTXIU BKFTJZHAARNUT5J5N5GTVALR
13-05	2241	Activate	30 chr EAM 6BERUC HDA5CVDXJJCMMHSSJXR7UKXSW
13-05	2243	Activate	30 chr EAM 6BSINP H3YW73OLI2BK13J5EUHM4WVE
13-05	2346	Activate	30 chr EAM 6BJPT2 GFPBAJKDONN7RB2G2ZLDOPFV
14-05	0556	Kiwi Bird	30 chr EAM 6BKVD6 ENIIN37NASEONEX27CPWJBCU
14-05	0559	Kiwi Bird	30 chr EAM 6BBEZZ UCEFZZURFEYYWK4NBC6V5JB2
14-05	0604	Kiwi Bird	30 chr EAM 6BJOLT 3QDGV73CCWOCF72YEQTHNPUC
14-05	0614	Kiwi Bird	30 chr EAM 6BCZPP HLFVWJXHNZDDNJQ5ZGPIQ6C4
14-05	0620	Kiwi Bird	Skyking msg: Lambaski ? time 20 auth ED
14-05	0621	Kiwi Bird	30 chr EAM 6B4ZYT 43INSQCSAWODQQ7GI4E2XATP
14-05	1322	Kiwi Bird	30 chr EAM 6BGVG7 LN6DC3TQLA4JRS2VSXOQRI3S
14-05	1340	Kiwi Bird	30 chr EAM 6B6G77 YAX6WZXFVBOGE2UXH6KGU2SH
14-05	1351	Kiwi Bird	30 chr EAM 6BB33I QETMLEFQLSKQIVX2JXISK237
14-05	1357	Kiwi Bird	30 chr EAM 6B43GH 3SLZXB44N3HHKZSXCHPNSR47
14-05	1401	Kiwi Bird	30 chr EAM 6B43GH 3SLZXB44N3HHKZSXCHPNSR47
14-05	1403	Kiwi Bird	30 chr EAM 6BB33I QETMLEFQLSKQIVX2JXISK237
14-05	1405	Kiwi Bird	30 chr EAM 6B6G77 YAX6WZXFVBOGE2UXH6KGU2SH
14-05	1408	Kiwi Bird	30 chr EAM 6BMC27 XTLGNJX6ZTX7LDD76Z2OB7GZ
14-05	1415	Kiwi Bird	30 chr EAM 6BXNAU C77MUHLWCYY2AF7VY2P5SVJQ
14-05	1446	Kiwi Bird	40 chr EAM U4FXUJ QGI2BXONHI3E7WH7ZJNU6FQ3T6YXO6GZ7X
14-05	1501	Kiwi Bird	30 chr EAM U4HKLP 5SIQQ5TAQ2YTTA3F4524GYHC
14-05	1516	Kiwi Bird	30 chr EAM 6B7HKI B5QTJXPBOQUB4FY2JVW53YGV
14-05	1520	Kiwi Bird	30 chr EAM 6BVMKF CIBOUCZIEAFIPNZM4SZDUSW4
14-05	1530	Kiwi Bird	30 chr EAM 6BNKPN LLKD56EYYWGJHA6OE6WF62J4
14-05	1550	Kiwi Bird	30 chr EAM 6BEAOY DRDUI4RY2O2SFO2DTZ7CIHKR
14-05	1803	Kiwi Bird	30 chr EAM for Ubango ? U4JORS QDTIOC2MG4E7P4JRSCT6VEDU
14-05	1844	Kiwi Bird	30 chr EAM 6BQWKU LVAHICSIZ2RIZU3GURDFOZ5R
14-05	2233	Kiwi Bird	30 chr EAM 6BU6IB W7I1HVGPHJBORQYQA3NG6W3A
14-05	2346	Kiwi Bird	30 chr EAM 6BOFKO QBWQZ2RE3NAYY3WGJQ3X4SPE
15-05	0433	Original	30 chr EAM 6BQJXY KE6BKEH7YYWCQERK2GUB7GJ3
15-05	2012	Original	30 chr EAM 6B4L2I LYU6I2N45Z4PEXC4YD6BWTXA
15-05	2020	Original	30 chr EAM 6B4L2I LYU6I2N45Z4PEXC4YD6BWTXA
15-05	2216	Original	30 chr EAM 6BBO3L 2OQSBTRJLPD2O7AVDVKOWLCN
15-05	2219	Original	30 chr EAM 6BTZVT AUTFB4KJWH42HXYFCIIOTK3X
15-05	2234	Original	30 chr EAM 6BH6MZ 2XP7ZQMEEQ3ZKF5QBV7WBYCX
15-05	2237	Original	30 chr EAM 6B7WN5 BZSNE7FRDQ3NBV74BKWE36OT
15-05	2245	Original	30 chr EAM 6BUNM7 7BACW6EJ7PIUF624HQ7F3EWQ
16-05	0334	Original	Skyking msg: Poison time 34 auth PF
16-05	0345	Celebrity	Skyking msg: Roses time 45 auth GL
16-05	0350	Celebrity	Skyking msg: White Snake time 50 auth YG
16-05	0500	Celebrity	Skyking msg: Skynyrd time 00 auth IU
16-05	0609	Celebrity	Skyking msg: Poison time 09 auth UJ
16-05	1346	Celebrity	30 chr EAM 6BPHR3 W4S764ZO3GLIDUA EYPAX6QMH
16-05	1359	Celebrity	30 chr EAM 6BPHR3 W4S764ZO3GLIDUA EYPAX6QMH
16-05	1402	Celebrity	30 chr EAM 6B7632 AOBHLGLNASVOT4TMJKQE73BV
16-05	1413	Celebrity	30 chr EAM 6BKSIA C7R46JGLFAF22WJLRNTH7ADS
16-05	1416	Celebrity	30 chr EAM 6B4AAT IA2HZGAOT4QKINMSH4AED3HQ
16-05	1424	Celebrity	30 chr EAM 6BJIAV 7H2YS7OHJDSO2LW2SYYHVJ6U



16-05	1427	Celebrity	30 chr EAM 6BF524 RHEFOSKOEFTDIKFRUMBDV3Q
17-05	0629	Reflection	30 chr EAM 6BY46Z KJWI4HR23M3JWT4QRUZVQ34K
17-05	0637	Reflection	30 chr EAM 6BWB6P DAO7RKL3HULZOKB333KDJSVP
17-05	0653	Reflection	30 chr EAM 6B2V3D LW5WQZHJIIZYRU6OZKNG6BTW
17-05	0656	Reflection	30 chr EAM 6BTLF3 UUCE6Y7ETFXFNQNV2VNHCTAL
17-05	0703	Reflection	30 chr EAM 6BFW7A ERZRLUMX2V2BIGZ7JZYHTBUQ
17-05	1531	Reflection	76 chr EAM J2BVFA 3YO3MHYGV4EOTG47RH7F733A7S5BPXKM7VISUNBAIFWWH7X2VPZZJPAS5555XDW 4IL2CQ
17-05	1604	Reflection	76 chr EAM J2BVFA 3YO3MHYGV4EOTG47RH7F733A7S5BPXKM7VISUNBAIFWWH7X2VPZZJPAS5555XDW 4IL2CQ
17-05	1631	Reflection	76 chr EAM J2BVFA 3YO3MHYGV4EOTG47RH7F733A7S5BPXKM7VISUNBAIFWWH7X2VPZZJPAS5555XDW 4IL2CQ
17-05	1702	Reflection	76 chr EAM J2BVFA 3YO3MHYGV4EOTG47RH7F733A7S5BPXKM7VISUNBAIFWWH7X2VPZZJPAS5555XDW 4IL2CQ
17-05	1730	Reflection	76 chr EAM J2BVFA 3YO3MHYGV4EOTG47RH7F733A7S5BPXKM7VISUNBAIFWWH7X2VPZZJPAS5555XDW 4IL2CQ
18-05	0618	Dust Mop	30 chr EAM 6BRAR7 GBNMHZXYLGQ76ZGONCDFOUQC
18-05	0621	Dust Mop	30 chr EAM 6BAZEW GQITWDLN65STZSIZPC63YRB2
18-05	0651	Dust Mop	30 chr EAM 6B5LYD 2SWALJXSSYJ36XZAZTDZYOSL
18-05	1302	Dust Mop	30 chr EAM for Rebuild U46VWW ZKOT5GGVC4BRVKAUQN5K5RRZ
18-05	1333	Dust Mop	30 chr EAM for Rebuild U42JXA IFJCIVJTNCHTJK7NZFHCBPFL
18-05	1441	Dust Mop	30 chr EAM 6BV53C Z6EXPRVBLBWWHHW6PG4T6UXJP
18-05	1445	Dust Mop	30 chr EAM 6BIEDJ HDL647OZA2SG7CJALEPIBLSZ
18-05	1448	Dust Mop	30 chr EAM 6BFUGP FU4BIAWAEBCEVE35COWZU46E3
18-05	1452	Dust Mop	30 chr EAM for Rebuild U4YFLU 363XU6WITNVVZX6D5MZ7I45B
18-05	1502	Dust Mop	30 chr EAM for Rebuild U4XUKI YC5MYK2KIK3CYAQEABAN75SI
18-05	1533	Dust Mop	30 chr EAM for Rebuild U4VJUI SVAKQMU7CUBQ4C2KKAFFXFI
18-05	1733	Dust Mop	30 chr EAM 6BHG4I RAJDQXHORTU6YGZGKVXFCKHD
18-05	1804	Dust Mop	30 chr EAM for Rebuild U4BISB PVBTQBIDRAXFO7OR326SXXFO
18-05	1833	Dust Mop	30 chr EAM for Rebuild U43R2I 4XTJB7S4437LJNFIKVXD7EHI
18-05	2045	Dust Mop	30 chr EAM 7JC36Q W2OPIXDSCWUQ7BSHSW2MZTV4
18-05	2140	Dust Mop	30 chr EAM 7JVMGK 7YV5ZSXJ54TZ4ATE2KRW6U4J
18-05	2233	Dust Mop	30 chr EAM 7JJ5ZQ XXP44ULO2ZHEJN2FI4OR4D3H
19-05	0224	Improper	30 chr EAM 7JH4XC ZHS6ZRBT5ZUGHK53GIK7K5Z3
19-05	0635	Improper	30 chr EAM 7JUQMH UNFU6VDUXFBQFQBLTTNUKCSZ
19-05	0653	Improper	30 chr EAM 7JV73B WLX44A2F4F6UARCZN7RPJUQZ
19-05	0655	Improper	30 chr EAM 7JCK4T G3LG2R65V6FPGPWBQE6NUOXF
19-05	1803	Improper	30 chr EAM 7JC5FH NEAGP2S76PDKTYPJDNDXUFQO
19-05	1812	Improper	30 chr EAM 7JMQA6 YQVAT6DC65ZDEMLPC2PXRGVJ
19-05	1818	Improper	30 chr EAM 7JD7QY OHIXU23ELGZYXM6SXVCFBO2
19-05	1822	Improper	30 chr EAM 7JDXSM GH2TSEVZPGUEWMLT5X5HZATD
19-05	2228	Improper	30 chr EAM 7JMEEK 6LKCZG3FTV2XALQ6EBPRNZEW
20-05	1443	Handywork	30 chr EAM 7JHRIJ ECVLNAODEBQZYQDIXK222QVK
20-05	1457	Handywork	30 chr EAM 7JBTDL 3F2AZ6ZXUD2RK6WHK4Y2ZNQA
20-05	1501	Handywork	30 chr EAM 7JIZAI U3Z326NV2WTCVWZ23W4YVQR5
20-05	1533	Handywork	30 chr EAM 7J3XHL QFJ5ZLYCKMAJY5U2CZ5D2O3L
20-05	1624	Handywork	30 chr EAM 7JOX7U ZEHKFI6DWHV3CBJQ6YNDOHVI
20-05	1632	Handywork	30 chr EAM 7J7DJL KHA42XW7OWF2WURCQHOYKTMZ
20-05	1641	Handywork	30 chr EAM 7JABQM W3XCCARLZE7VRDQ467WSL76P
20-05	1644	Handywork	30 chr EAM 7JXWAP L2RY2EJUKRTTLU4ZZLIV2NK7
20-05	1700	Handywork	30 chr EAM 7JXWAP L2RY2EJUKRTTLU4ZZLIV2NK7
20-05	1703	Handywork	30 chr EAM 7JABQM W3XCCARLZE7VRDQ467WSL76P
20-05	1730	Handywork	30 chr EAM 7JXWAP L2RY2EJUKRTTLU4ZZLIV2NK7
20-05	1732	Handywork	30 chr EAM 7JABQM W3XCCARLZE7VRDQ467WSL76P
20-05	2230	Handywork	30 chr EAM 7JCKM BS2SATNDV2N3QGW6AMM7EVKU

21-05	0019	Colossal	40 chr EAM U4TWUQ 2A74HEBGZ4L6STI7FHOR4K5BTBGWG4C7EV
21-05	0025	Colossal	30 chr EAM U4Q2DN SUIBV4U3CWCH4I2BRUPSMNP5
21-05	0043	Colossal	30 chr EAM 7JOLB6 7PGMJJ5ZJ4MGZZ6QLJVNMM4EY
21-05	0056	Colossal	30 chr EAM U4QSPQ U6LAOVPMTPRHIS5O45HXA5JP
21-05	0059	Colossal	30 chr EAM 7J2JNM DIRJQAYXL7CFFBI455CE6L3T
21-05	0104	Colossal	Skyking msg: The Who time 04 auth MV
21-05	0106	Colossal	Skyking msg: Poison time 06 auth ZI
21-05	0112	Colossal	Skyking msg: Rolling time 12 auth OP
21-05	0114	Colossal	Skyking msg: White Snake time 14 auth ZC
21-05	0116	Colossal	30 chr EAM 7JCF6E SZ3RLCQ4GJKHJOP6GRUTGIBL
21-05	0138	Colossal	Skyking msg: Roses time 38 auth PK
21-05	2104	Colossal	36 chr EAM U4P63K DADVSA4QTHCM6FVOJSFVWHY7MM2NRCG
21-05	2205	Colossal	30 chr EAM 7JMVED 5ET3GZABS3YPIFEN6CNAMJ2T
22-05	0047	Essential	30 chr EAM 7JFVGN 73JAPNUN6X3Q3CC4GD7WQO3X
22-05	0647	Essential	41 chr EAM EBNQEN 5J542O35TM7ZQJAHXCXYAHCLCJCDALAZ7MTF
22-05	1439	Essential	30 chr EAM 7J42Z3 XSBY4T3QFCJUTRRYQCDP5GZL
22-05	2156	Essential	110 chr EAM J2ZEB5 Q7EK2PHSV3QJPXXH77VMNKKWHIK2KURJUCJCZZZEPQSOTHF2TLYJVYV6VHMF4HVIII UENIDLRED7ZWGZ2V5HBWQQDVQQQPOAIZHZG2
23-05	0103	Nut Meat	30 chr EAM 7JK4SL GPYXYZK7RDVD55HHX4IX2OKY
23-05	0159	Nut Meat	Skyking msg: The Doors time 59 auth NR
23-05	0402	Nut Meat	30 chr EAM 7JAAWD 6RASVCBFLZNGJL72UEOWY2D
23-05	1334	Nut Meat	50 chr EAM EBS5K2 25U5ETIG5IP3C6E3IOX5IP3MHZ5I5LFHDWFHIAP2Y2X3 (started with the 10th chr)
23-05	1605	Nut Meat	118 chr EAM EB4J27 A33IRGW6ECIMXN6EYTTYWQ2SIWJOTOBPAKCY3EG6YHEVNCTEEG2JDSHNCLOFTOB PAKCOFR46YHEVNCOFRI2JDSHNC72EKTOBPAKCVNR46YHEVN7
23-05	1617	Nut Meat	30 chr EAM for Region Bravo, for Region Charlie EBTNTG ATAOOP7FDRUMPRD7TWFVG7ET
23-05	1624	Nut Meat	30 chr EAM 7JU6D5 SXEJKNZBKEU2S7BOLYUWK4B
23-05	1703	Nut Meat	30 chr EAM for Rumour-34 EBSBX6 3H3RUX24LBDSYK5O2BDY2NPZ
23-05	1733	Nut Meat	30 chr EAM 7JUFJT QQH47YQYGLPRLPBFAPR2YNGC
23-05	2136	Nut Meat	30 chr EAM EBDIPY KTTIDNXBV3QW3CDAU2VNYPJ6
23-05	2149	Nut Meat	30 chr EAM EBNCSZ QZLWB6NLKW57MPN56IGV5544
24-05	0403	Jailbait	30 chr EAM 7JRWJ7 XHHK66JV43XBNX26CQFYZKEX
24-05	0438	Jailbait	Skyking msg: Tool time 38 auth HY
24-05	0637	Jailbait	Skyking msg: Pixies time 37 auth AG
24-05	2054	Jailbait	30 chr EAM 7JNNNA JF2WFGDAIJUUASWGGQI2LXQJ
24-05	2136	Jailbait	104 chr EAM J2D3KS P22B4XN47CW2EIBQOB543ZKVIDLUUUHHXSJGFG5G2AAAAV6MVRRRXNN3I6R6CTU6 666GJKH666N2YJVA7AV7TDDDDGUVU4PUD7
24-05	2346	Jailbait	30 chr EAM 7JJ273 URJB64XFILZWMA5KVB54VYDU
25-05	0433	Blueberry	30 chr EAM 7JZ5RJ DP6MWAUOHLOGZ7HZYKKJ2UCX

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Gwr, WP3, AB, F5JBR

### Strategic messages

#### Russian Air Force

10653.5 kHz, 02-05, 1047 UTC  
10653.5 kHz, 02-05, 1102 UTC  
7515.5 kHz, 02-05, 1228 UTC  
7515.5 kHz, 02-05, 1247 UTC  
7515.5 kHz, 02-05, 1328 UTC  
7515.5 kHz, 02-05, 1342 UTC  
7515.5 kHz, 03-05, 1145 UTC  
5441 kHz, 03-05, 1154 UTC

XXX XXX 1ShchRF 1ShchRF 87610 SNIMKA 8465 5093 KROENSYJ 1979 0273 K  
XXX XXX 1ShchRF 1ShchRF 45708 NRIZONSKIJ 0400 5074 K  
XXX XXX 1ShchRF 1ShchRF 39940 LAGOLET 7205 8592 K  
XXX XXX 1ShchRF 1ShchRF 03095 SNEGOCHAR 9762 7215 K  
XXX XXX 1ShchRF 1ShchRF 96384 NIWHOKLYK 4407 1914 K  
XXX XXX 1ShchRF 1ShchRF 66356 KORTODRAP 5768 4483 K  
XXX XXX 1ShchRF 1ShchRF 05730 KLYuZOSRAM 7888 4543 K  
XXX XXX RJV RJV 14289 KOSTOTREF 1685 6792 K

7942 kHz, 21-05, 0805 UTC	REA4: XXX XXX 1QRF 1QRF 14971 TONALXNOSTX 9802 2536 TOKIJSKIJ 8373 5175
7942 kHz, 21-05, 0814 UTC	REA4: XXX XXX 1QRF 1QRF 62333 ZAWEQANXE 2971 1904
7942 kHz, 21-05, 0818 UTC	REA4: XXX XXX 1QRF 1QRF 78652 RASPRODAVA 9461 2495
7942 kHz, 21-05, 0821 UTC	REA4: XXX XXX 1QRF 1QRF 44715 KSENDZ 0998 3451
7942 kHz, 21-05, 0858 UTC	REA4: XXX XXX 1QRF 1QRF 84505 PUSKOBUND 4659 6388 SREZOWAK 8327 0875
7942 kHz, 21-05, 0917 UTC	REA4: XXX XXX MSK7 MSK7 70256 TAKSIDERIAe 1163 2273
7942 kHz, 21-05, 0945 UTC	REA4: XXX XXX MSK7 MSK7 8869. NEZAKONNYJ 8471 5386

#### Russian Army

17460 kHz, 07-05, 1117 UTC	XXX RDL 10584 91124 10584 91124 10584 91124 K
----------------------------	---

#### Russian Navy

7815 kHz, 01-05, 0800 UTC	RBL88: XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
7815 kHz, 01-05, 0804 UTC	RBL88 wkg RFN77, RGR99. XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
7815 kHz, 05-05, 0800 UTC	RBL88: XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
7815 kHz, 05-05, 0804 UTC	RBL88 wkg RFN77, RGR99. XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
10543 kHz, 05-05, 0913 UTC	RCV: XXX RJV 26405 GEGEMON 3809 4533 K
6927 kHz, 07-05, 1608 UTC	RIT: XXX RLO WETER 3 PORAJONAM 67 68 K
8136 kHz, 08-05, 0805 UTC	RBL88: XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
8136 kHz, 08-05, 0808 UTC	RBL88 wkg RFN77, RGR99. XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
8136 kHz, 11-05, 0759 UTC	RBL88: XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
8136 kHz, 11-05, 0805 UTC	RBL88 wkg RFN77, RGR99. XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
8136 kHz, 12-05, 0802 UTC	RBL88: XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K
8136 kHz, 12-05, 0805 UTC	RBL88 wkg RFN77, RGR99. XXX LR43 TEHNIÛESKAÂ PROWERKA 592 K

## Monolith Stations

### Goose

### S28 Buzzer

Below is a list of callsigns of the S28 network. The old and current ones. Source: Radioscanner.ru

Collective callsigns:

УВБ-76 or УЗБ-76, МДЖБ, ЖУОЗ

Station callsigns: 2170, ВЖЦХ, АНВФ, ВЛХН, ЛНР4, 87ОИ, ВМ62, А1ЙЖ, МСЖ7, ВЩЦХ, ВНМЖ, ЗЕЦС, ЛЦЛА, ЕДГЩ, 58Щ1, ВНЦХ, 5ПЦБ, 28ЫА, 53АЙ, ЕИЫЙ, КЗЙТ, МБЫЩ, В6БЫ, ИА6Н, ОЕУН, 8ЖСМ, 1СГ5, 6Е4Н, 94ЖТ, ЦЛИМ, Ц383, ЪБОМ, Ц32М, ЪБ2М, ХН87, 2БЫП, 4ТПК, 5ПАХ, ЪМ4Т, 6Е5Е, ЗКДЫ, ЦИЗО, К5ТЖ, ДОЦУ, 5Р94, ХАУ1.

Collective callsigns:

UVB-76 or UZB-76, MDZhB, ZhUOZ

Station callsigns:

2170, VZhTsKh, ANVF, VLKhN, LNR4, 87OI, VM62, A1YZH, MSZh7, VShChTsKh, VNMZh, ZETsS, LTSLA, YeDGShch, 58Shch1, VNTsKh, 5PTsB, 28YA, 53AY, YEIYY, KZYT, MBYShch, V6BY, IA6N, OYeUN, 8ZhSM, 1SG5, 6E4N, 94ZhT, TSLIM, Ts383, 'BOM, Ts32M, 'B2M, KhN87, 2BYR, 4TPK, 5PAKh, 'M4T, 6E5E, ZKDY, TsiZO, K5TZh, DOTsU, 5R94, KhAU1.

### S30 Pip

5448 kHz, 02-05, 1050 UTC	8S1Shch 22018 ZLORADMYJ 9454 0479 OBOLOKON 6160 1306
5448 kHz, 02-05, 1231 UTC	8S1Shch 08612 MYeNZUL'NYJ 5705 2260
5448 kHz, 02-05, 1237 UTC	DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1
5448 kHz, 02-05, 1330 UTC	8S1Shch 97757 ZAL 6721 7506
5448 kHz, 03-05, 0936 UTC	8S1Shch 18501 NADOMNIK 1578 5533
5448 kHz, 03-05, 1017 UTC	79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch
5448 kHz, 03-05, 1146 UTC	8S1Shch 19659 ZAMOMYeL 1079 1231
5448 kHz, 28-05, 1153 UTC	8S1Shch 22472 MODYeLIZM 9762 3470
5448 kHz, 31-05, 1018 UTC	8S1Shch 85127 KOVOR 2234 6391

5448 kHz, 31-05, 1022 UTC  
5448 kHz, 31-05, 1045 UTC

8S1Shch 73095 76003 GANGOCYeH 0006 3549  
8S1Shch 71592 MASTIKA 4315 6831

### 532 Squeaky Wheel

5473 kHz, 02-05, 1056 UTC	Al'fa-45 82249 INTYeR'YeR 6016 8268
5473 kHz, 02-05, 1236 UTC	Al'fa-45 94141 DOGOKNUT 6354 9174
5473 kHz, 02-05, 1336 UTC	Al'fa-45 62859 ALOE 4665 4189
5473 kHz, 03-05, 0943 UTC	Al'fa-45 95963 NYeRVOMART 4786 3286
5473 kHz, 03-05, 1151 UTC	Al'fa-45 31225 DYekOLITR 3713 8699
5473 kHz, 03-05, 1438 UTC	Penza-07 Yahta-94 Karta-11 Shula-60 Dzhigit-46 Alyeut-05 Ruzh'e-26 Nevka-26
5473 kHz, 28-05, 1156 UTC	Al'fa-45 34158 ACTYeKSKIJ 1257 9636
5473 kHz, 28-05, 1238 UTC	Al'fa-45 32306 PYeGIJ 1311 7930
5473 kHz, 31-05, 1022 UTC	Al'fa-45 81117 NOZhOBER 9461 4767
5473 kHz, 31-05, 1049 UTC	Al'fa-45 45109 LEPOSKIN 3440 8358

## RMv/RNv/RNAv/RAv - Russian military voice transmissions

### RMv – Russian Military

Gwraspe found a new net. Possibly a training net as there's no channel marker and the message timestamps the YL read out were all 5-9 minutes earlier than the actual transmission.

#### 5372 kHz, 31-05, 1036 UTC

Vega-33 34007 RIBONUKLYeIN 7231 4526.

Vremia signala 13 chasov 30 minut. Priyom. (Time of the signal 13 hours 30 minutes)

<http://priyom.org/media/220011/vega33-5372usb-20190531-1036z-msg-bygwraspe.ogg>

#### 5372 kHz, 31-05, 1058 UTC

Vega-33 51197 ZhLOBOTINA 2831 9143.

Vremia signala 13 chasov 50 minut. Priyom. (Time of the signal 13 hours 50 minutes)

<http://priyom.org/media/220024/vega33-5372usb-20190531-1058z-msg-bygwraspe.ogg>

### RADv – Russian Air Defense

2740 kHz, 11-05, 1715 UTC Tracking net

3213 kHz, 11-05, 1720 UTC Tracking net

4380 kHz, 11-05, 1725 UTC Tracking net

## M32b - Russian Naval Aviation (Aviatsiya Voennno-morskogo Flota Rossii)

#### 8816 kHz, 15-05, 0614 UTC

RJC38 RJF94 DE 54575 QTO 0600 QRD XLAA XLMD QBD 0500 QRE 0720 K

#### 8816 kHz, 15-05, 0715 UTC

RJF94 RJC38 DE 42880 QTO 0700 QRD XSSS XLMD QBD 1430 QRE 1030 K

QTH 16429 14235 QTR 0810 QBG 10050 K

QTH 15.39 15703 QTR 0920 QBD 0310 QRE XSSS 1020 K

QQM XSSS 1020 SK

#### 8816 kHz, 15-05, 0852 UTC

RJC38 RJF94 DE 54575 QTO 0837 QRD XUMO XLAA QBD 0600 QRE 1105 K

QAY ULWB 0950 QBG 250 K

QQM XUMO 1053 SK

**8816 kHz, 15-05, 1253 UTC**

RJF94 DE 54575 QTO 1230 QRD XLMD XUMO QBD 0700 QRE 1540 K  
QQL ULWB 1330 QBG 2400 K  
QQL ULPE 1432 QBD 0400 K  
QQM XLMD 1533 SK

**8816 kHz, 15-05, 1208 UTC**

RJF94 RJC38 DE 42880 QTO 1205 QRD XNNT XSSS QBD 0430 QRE 1415 K  
QTH 15542 17031 QTR 1300 QBG 0450 QRE XNNT 1400 K  
QQM XNNT 1402 SK

**8816 kHz, 15-05, 1522 UTC**

RJF94 RJC38 DE 42880 QTO 1510 QRD XIUW XNNT QBD 0430 QRE 1720 K  
QTH 15509 19615 QTR 1620 QBG 9450 QRE XIUW 1720 K  
QQM XIUW 1740 SK

**8816 kHz, 17-05, 0713 UTC**

RJC38 RJF94 DE 54575 QTO 0703 QRD URKE XLMD QBD 0800 QRE 1220 K  
QQL ULPE 0756 QBG 210 K  
QAY ULWC 0856 QBD 0600 K  
QAY UDD 0939 QBG 230 K  
QAY XUOW 1025 QBD 0400 K  
QAY URRR 1131 QBG 230 QRE URKE 1201 K  
QQM URKE 1201 SK

**8816 kHz, 17-05, 1336 UTC**

RJC38 RJF94 DE 54575 QTO 1327 QRD XLMD URKE QBD 0800 QRE 1905 K  
QQL XUOI 1449 QBG 210 K  
QAY UUMY 1546 QBD 0600  
QAY ULWC 1648 QBG 240 K  
QAY ULPB 1729 QBD 0400 K  
QQL ULPE 1817 QBG 240 QRE XLMD 1930 K  
QQM XLMD 1930 SK

**8816 kHz, 18-05, 0834 UTC**

RJF94 RJC38 DE 71567 QTO 0823 QRD XUMO XLMV QRE 1200 QBD 0500 K  
QTH 16351 13519 QTR 0934 QBG 5800 QBD 0400 K  
QTH 15942 13734 QTR 1030 QBG 5800 QBD 0300 QRE XUMO 1130 K  
QQM XUMO 1130 SK

**8816 kHz, 18-05, 0614 UTC**

RJC38 RJF94 DE 54585 QTO 0610 QRD XRSS XRKA QBD 0500 QRE 0640 K

**8816 kHz, 18-05, 1010 UTC**

RJC38 RJF94 DE 54585 QTO 1000 QRE XLMD XRSS QBD 1000 QRE 1600 K

**8816 kHz, 18-05, 1338 UTC**

RJC38 RJF94 DE 71567 QTO 1329 QRD XLLV XUMO QRE 1530 QBD 0500 K  
QTH 15744 13328 QTR 1432 QBG 5500 QBD 0400 QRE XLLV 1530 K  
QQM XLLV 1529 SK

**8816 kHz, 18-05, 1347 UTC**

RJC38 RJF94 DE 71567 QTO 1329 QRD XLLV XUMO QRE 1530 QBD 0500 K  
QTH 15744 13328 QTR 1432 QBG 5500 QBD 0400 QRE XLLV 1530 K  
QQM XLLV 1529 SK

**8816 kHz, 18-05**

RJC38 RJF94 DE 71567 QTO 1620 QRD XLMD XLLV QRE 1935 QBD 0500 K

**8816 kHz, 21-05, 0731 UTC**

RJF94 RJC38 DE 10563 QTO 0723 QRD  
XLMD XLWF QRE 0945 QBD 0500 K  
QTH 16245 13605 QTR 0826 QBG 6700 K  
QTH 16650 13310 QTR 0925 QBG 6700 K  
QQM XLMD 0957 SK

**8816 kHz, 21-05, 0752 UTC**

RJC38 RJF94 DE 54585 QTO 0734 QRD XLMD XLLV QBD 0500 QRE 0945 K  
QQUL ULPE 0849 QBG 230 QRE XLMD 1000 K

**8816 kHz, 21-05, 1239 UTC**

RJF94 RJC38 DE 10563 QTO 1230 QRD XLAA XLMD QRE 1350 QBD 0600 K  
QTH 16528 14014 QTR 1325 QBG 4400 K - QQM XLAA 1340 SK

**8816 kHz, 21-05, 1525 UTC**

RJF94 RJC38 DE 42880 1515 QRD XSSS XNOS QBD 0430 QRE 1615 K  
QQM XSSS 1644 SK

**8816 kHz, 21-05, 1533 UTC**

RJF94 RJC38 DE 42880 QTO 1810 QRD XUMU XSSS QBD 0430 QRE 2020 K  
QTH 15607 14839 QTR 1920 QBG 8550 QRE XUMU 2020 K - QQM XUMU 2041 SK

**8816 kHz, 21-05, 1535 UTC**

RJF94 RJC38 DE 10563 QTO 1528 QRD XLAM XLAA QRE 1700 QBD 0700 K  
QTH 16704 15931 QTR 1629 QBG 6400 K  
QQM XLAM 1650 SK

**8816 kHz, 27-05, 1015 UTC**

RJF94 RJC38 DE 10563 QTO 1002 QRD XLMV XRKE QRE 1505 QBD 0730 K  
QTH 14905 14120 QTR 1103 QBG 6700 K  
QTH 15318 13839 QTR 1202 QBG 6700 K  
QTH 15808 13801 QTR 1306 QBD 0430 K  
QTH 16251 13600 QTR 1408 QBD 0330 K  
QTH 16727 13247 QTR 1508 QBD 0230 K  
QQM XLMK 1527 SK

**8816 kHz, 27-05, 1712 UTC**

RJC38 RJF94 DE 54575 QTO 1702 QRD XLWF XLMD QBG 0600 QRE 1930 K  
QQUL ULPE 1806 QBG 7000 QBD 0500 K

**8816 kHz, 27-05, 1712 UTC**

RJC38 RJF94 DE 54575 QTO 2038 QRD XLMD XLWF QBD 0500 QRE 2310 K

**8816 kHz, 29-05, 0553 UTC**

RJC38 RJF94 DE 54585 QAY UDD 0550 QBG 270 K  
QAY XUOW 0633 QBD 0300 K  
QQUL URRR 0733 QBG 250 QRE XRFI 0850 K  
QQM XRFI 0840 SK

**8816 kHz, 29-05, 1323 UTC**

RJF94 RJC38 DE 42880 QTO 1310 QRD XLLV XLMD QRE 1440 QBD 0430 K  
QQM XLLV 1501 SK

**8816 kHz, 31-05, 1810 UTC**

RJF94 RJC38 DE 42880 QTO 1800 QRD XLMD XUMB QRE 2000 QBD 0430 K  
QTH 16300 13554 QTR 1915 QBG 9150 QRE XLMD 2000 K  
QQM XLMD 2015 SK

**8816 kHz, 31-05, 1827 UTC**

RJF94 RJC38 DE 10563 QTH 16518 13415 QTR 0825 QBF 7300 K  
QTH 16135 13342 QTR 0923 QBG 7300 K  
QTH 15956 12828 QTR 1020 QBD 0330 K  
QTH 15902 12110 QTR 1121 QBD 0230 QRE XMWB 1230 K  
QQM XMWB 1226 SK

**8816 kHz, 31-05, 1458 UTC**

RJF94 RJC38 DE 10563 QTO 1451 QRD XLMD XMWB QRE 1900 QBD 0600 K  
QTH 15855 12104 QTR 1552 QBG 7000 K  
QTH 16056 13152 QTR 1651 QBG 7000 K  
QTH 16650 13313 QTR 1752 QBD 0300 QRE XLMD 1825 K  
QQM XLMD 1824 SK

***M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)***

Russian Air Force Tu-95MS "Bear" net

8029 kHz, 04-05. W-marker at 0600, 0720, 0740, 0800, 0820, 0840 UTC

---

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	7055	4-5	0939	Sat	Ukrainian-Russian propaganda war	LSB	(AB)
---	6742	6-5	0752	Mon	North Korean Military i.p. 54470 01305 54954 66198 42023 ... AR AR ABV ABV QTC NR 6 CK 44 = = 94925 78733 47973 ... 56115 93932 AR AR	CW	(JPL-J)
---	6503	15-5	1905	Wed	Feedback sounds	XM	(AB)
---	4933	23-5	1210	Thu	North Korean military VVV 6W3 (x3) DE 53G (x3) QRU ... T T	CW	(JPL-CHN)
---	3664	23-5	1503	Thu	North Korean military VVV 5GH (x3) DE 5MV (X3) QRU	CW	(JPL-Sib)
---	5372	31-5	1036	Fri	Vega-33 34007 RIBONUKLYeIN 7231 4526	USB	(Gwr)
---	5372	31-5	1058	Fri	Vega-33 51197 ZhLOBOTINA 2831 9143	USB	(Gwr)
DPRK	12208	6-5	1212	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13472	9-5	1340	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12207	22-5	0759	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	29-5	0732	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	14565	2-5	0500	Thu	460 381 59 67169 17953 40162 ... 71952 75931 15843 381 59 00000	USB	(AB-RUS/HFD-RUS)
E06	16125	2-5	0600	Thu	460 381 59 67169 17953 40162 ... 71952 75931 15843 381 59 00000	USB	(AB-RUS/HFD-RUS)
E06	5938	2-5	2030	Thu	724 970 44 53067 42412 12464 ... 78203 80329 38935 970 44 00000	USB	(AB/HFD)
E06	14565	3-5	0500	Fri	460 381 59 67169 17953 40162 ... 71952 75931 15843 381 59 00000	USB	(AB-RUS)
E06	16125	3-5	0600	Fri	460 381 59 67169 17953 40162 ... 71952 75931 15843 381 59 00000	USB	(AB-RUS)
E06	5731	3-5	2130	Fri	315 970 44 53067 42412 12464 ... 78203 80329 38935 970 44 00000 Windows shut down sound	USB	(AB)
E06	16034	15-5	1515	Wed	i.p. 81817 77015 70795 129 129 67 67 00000	USB	(JLM)
E06	14565	16-5	0500	Thu	460 293 57 21841 83428 75591 ... 50069 04301 16734 293 57 00000	USB	(AB-RUS)
E06	16125	16-5	0600	Thu	460 293 57 21841 83428 75591 ... 50069 04301 16734 293 57 00000	USB	(AB-RUS)
E06	16034	16-5	1500	Thu	E06a followed by E06: 548 706 2 11111 00059 706 2 548 129 67 23424 36413 69905 ... 81817 77015 70795 129 129 67 67 00000	USB	(AB/JLM)
E06	14565	17-5	0500	Fri	460 293 57 21841 83428 75591 ... 50069 04301 16734 293 57 00000	USB	(AB-RUS)
E06	16125	17-5	0600	Fri	460 293 57 21841 83428 75591 ... 50069 04301 16734 293 57 00000	USB	(AB-RUS)
E06	6876	17-5	2009	Fri	111 111 111 00000 switched from M14 to E06 voice	USB	(AB)
E06	5731	17-5	2130	Fri	315 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound	USB	(AB/CM2-HOL)
E06	16032	23-5	1600	Thu	216 789 43 19511 08317 22487 ... 09899 30701 62981 789 43 00000	USB	(AB)
E06	13489	23-5	1700	Thu	216 789 43 19511 08317 22487 ... 09899 30701 62981 789 43 00000	USB	(AB)
E07	13934	1-5	1700	Wed	919 1 226 69 94601 ...	USB	(HFD)
E07	12134	1-5	1720	Wed	919 1 226 69 94601 ...	USB	(HFD)
E07	10934	1-5	1740	Wed	919 1 226 69 94601 ...	USB	(HFD)
E07	17472	1-5	1900	Wed	483 483 483 000	USB	(AB- RUS/MPJ/RL/HFD)
E07	15872	1-5	1920	Wed	483 483 483 000	USB	(AB-





E07	18446	10-5	0720	Fri	242 242 241 1 395 58 395 58 32120 13420 28467 ... 41819 64383 19031 000 000	USB	(AB-RUS/HFD)
E07	19246	10-5	0740	Fri	242 242 241 1 395 58 395 58 32120 13420 28467 ... 41819 64383 19031 000 000	USB	(AB-RUS/HFD)
E07	19659	10-5	1100	Fri	641 641 641 000	USB	(AB/MPJ)
E07	17459	10-5	1120	Fri	641 641 641 000	USB	(AB/MPJ)
E07	9064	11-5	0600	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	10264	11-5	0620	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	11464	11-5	0640	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	9064	11-5	1300	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	10264	11-5	1320	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	11464	11-5	1340	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	15836	11-5	1410	Sat	157 157 157 000	USB	(MPJ)
E07	14536	11-5	1430	Sat	157 157 157 000	USB	(MPJ)
E07	9064	12-5	0600	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	10264	12-5	0620	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	11464	12-5	0640	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB)
E07	9064	12-5	1300	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	10264	12-5	1320	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	11464	12-5	1340	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	13934	12-5	1700	Sun	919 919 919 000	USB	(AB/MPJ)
E07	12134	12-5	1720	Sun	919 919 919 000	USB	(AB/MPJ)
E07	17462	13-5	1900	Mon	483 483 483 000	USB	(AB/MPJ)
E07	15872	13-5	1920	Mon	483 483 483 000	USB	(AB/MPJ)
E07	16246	14-5	0700	Tue	242 242 242 000	USB	(AB-RUS)
E07	18446	14-5	0720	Tue	242 242 242 000	USB	(AB-RUS)
E07	19659	14-5	1100	Tue	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB/MPJ)
E07	17459	14-5	1120	Tue	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB/MPJ)
E07	16159	14-5	1140	Tue	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB/MPJ)
E07	13934	15-5	1700	Wed	919 919 919 000	USB	(AB/MPJ)
E07	12134	15-5	1720	Wed	919 919 919 000	USB	(AB/MPJ)
E07	17472	15-5	1900	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	15872	15-5	1920	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	9064	16-5	1300	Thu	024 024 024 000	USB	(AB/MPJ/DK8OK)
E07	10264	16-5	1320	Thu	024 024 024 000	USB	(AB/MPJ)
E07	15836	16-5	1410	Thu	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	14536	16-5	1430	Thu	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	13536	16-5	1450	Thu	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	16246	17-5	0700	Fri	242 242 241 000	USB	(AB-RUS)
E07	18446	17-5	0720	Fri	242 242 241 000	USB	(AB-RUS)
E07	19659	17-5	1100	Fri	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB)
E07	17459	17-5	1120	Fri	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB)

E07	16159	17-5	1140	Fri	641 641 641 1 171 76 171 76 58954 03425 36633 ... 19494 83902 06883 000 000	USB	(AB)
E07	9064	18-5	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	18-5	0620	Sat	024 024 024 000	USB	(AB)
E07	15836	18-5	1410	Sat	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	14536	18-5	1430	Sat	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	13536	18-5	1450	Sat	157 157 157 1 333 107 333 107 38457 22551 56917 ... 23819 06083 55931 000 000	USB	(AB/MPJ)
E07	9064	19-5	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	19-5	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	19-5	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	19-5	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	13934	19-5	1700	Sun	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	12134	19-5	1720	Sun	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	10934	19-5	1740	Sun	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	17462	20-5	1900	Mon	483 483 483 000	USB	(AB/MPJ/RL)
E07	15872	20-5	1920	Mon	483 483 483 000	USB	(AB/MPJ/RL)
E07	16246	21-5	0700	Tue	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB-RUS)
E07	18446	21-5	0720	Tue	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB-FIN)
E07	19246	21-5	0740	Tue	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB-RUS)
E07	19659	21-5	1100	Tue	641 641 641 000	USB	(AB)
E07	17459	21-5	1120	Tue	641 641 641 000	USB	(AB)
E07	13934	22-5	1700	Wed	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	12134	22-5	1720	Wed	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	10934	22-5	1740	Wed	919 919 919 1 419 85 419 85 10896 67661 39781 ... 13052 79439 72860 000 000	USB	(AB/MPJ)
E07	17472	22-5	1900	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	15872	22-5	1920	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	9064	23-5	1300	Thu	024 024 024 000	USB	(AB/MPJ)
E07	10264	23-5	1320	Thu	024 024 024 000	USB	(AB/MPJ)
E07	15836	23-5	1410	Thu	157 157 157 000	USB	(AB/MPJ)
E07	14536	23-5	1430	Thu	157 157 157 000	USB	(AB/MPJ)
E07	16246	24-5	0700	Fri	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB-FIN)
E07	18446	24-5	0720	Fri	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB-FIN)
E07	19246	24-5	0740	Fri	242 242 242 1 395 58 395 58 32120 13420 28467 ... 41819 64363 19031 000 000	USB	(AB)
E07	19659	24-5	1100	Fri	641 641 641 000	USB	(AB/MPJ)
E07	17459	24-5	1120	Fri	641 641 641 000	USB	(AB/MPJ)
E07	9064	25-5	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	25-5	0620	Sat	024 024 024 000	USB	(AB)
E07	15836	25-5	1410	Sat	157 157 157 000	USB	(AB/MPJ)
E07	14536	25-5	1430	Sat	157 157 157 000	USB	(AB/MPJ)
E07	9064	26-5	1300	Sun	024 024 024 000	USB	(MPJ)
E07	10264	26-5	1320	Sun	024 024 024 000	USB	(MPJ)

E07	13934	26-5	1700	Sun	919 1 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(MPJ)
E07	12134	26-5	1720	Sun	919 1 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(MPJ)
E07	10934	26-5	1740	Sun	919 1 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(MPJ)
E07	17462	27-5	1900	Mon	483 483 483 000	USB	(AB/MPJ/RL)
E07	17472	27-5	1900	Mon	483 483 483 000	USB	(RL)
E07	15872	27-5	1920	Mon	483 483 483 000	USB	(AB/MPJ/RL)
E07	15872	27-5	1920	Mon	483 483 483 000	USB	(RL)
E07	19659	28-5	1100	Tue	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07	17459	28-5	1120	Tue	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07	16159	28-5	1140	Tue	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07	13934	29-5	1700	Wed	919 919 919 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	12134	29-5	1720	Wed	919 919 919 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	10934	29-5	1740	Wed	919 919 919 1 6883 156 6883 156 29156 39670 29528 ... 00859 68264 08936 000 000	USB	(AB/MPJ)
E07	17472	29-5	1900	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	15872	29-5	1920	Wed	483 483 483 000	USB	(AB/MPJ/RL)
E07	9064	30-5	1300	Thu	024 024 024 000	USB	(MPJ)
E07	10264	30-5	1320	Thu	024 024 024 000	USB	(MPJ)
E07	15836	30-5	1410	Thu	157 157 157 1 5559 86 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(AB/MPJ)
E07	14536	30-5	1430	Thu	157 157 157 1 5559 86 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(AB/MPJ)
E07	13536	30-5	1450	Thu	157 157 157 1 5559 86 5559 86 12354 27613 90220 ... 15326 28558 61698 000 000	USB	(AB/MPJ)
E07	16246	31-5	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	31-5	0720	Fri	242 242 242 000	USB	(AB)
E07	19659	31-5	1100	Fri	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07	17459	31-5	1120	Fri	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07	16159	31-5	1140	Fri	641 641 641 424 154 424 154 21758 60546 13290 ... 05849 71753 66033 000 000	USB	(AB/MPJ)
E07a	12166	1-5	2000	Wed	172 172 172 000	USB	(AB/RL/HFD)
E07a	10766	1-5	2020	Wed	172 172 172 000	USB	(AB/RL/HFD)
E07a	7933	2-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	2-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	3-5	1510	Fri	101 101 101 000	USB	(AB/HFD)
E07a	11082	3-5	1530	Fri	101 101 101 000	USB	(AB/HFD)
E07a	12177	4-5	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	4-5	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	8-5	2000	Wed	172 172 172 000	USB	(AB/GHn/RL)
E07a	10766	8-5	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	9-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	9-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	10-5	1510	Fri	101 101 101 000	USB	(AB/Ghn/MPJ)
E07a	11082	10-5	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	12177	11-5	0800	Sat	148 148 148 000	USB	(AB)

E07a	13477	11-5	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	15-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	15-5	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	16-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	16-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	17-5	1510	Fri	101 101 101 000	USB	(AB/GHn)
E07a	11082	17-5	1530	Fri	101 101 101 000	USB	(AB)
E07a	12177	18-5	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	18-5	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	22-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	22-5	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	23-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	23-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	24-5	1510	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	11082	24-5	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	12177	25-5	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	25-5	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	29-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	29-5	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	12182	31-5	1510	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	11082	31-5	1530	Fri	101 101 101 000	USB	(AB/MPJ)
E11	15800	1-5	0640	Wed	940/00	USB	(AB/HFD)
E11	15720	1-5	0745	Wed	346/00	USB	(AB-POL)
E11	7439	1-5	0900	Wed	533/00	USB	(AB)
E11	6923	1-5	0930	Wed	275/00	USB	(AB)
E11	8545	1-5	1045	Wed	693/00	USB	(AB/HFD)
E11	6304	1-5	1205	Wed	469/00	USB	(AB/HFD)
E11	15795	1-5	1625	Wed	976/00	USB	(AB/MPJ/HFD)
E11	13424	2-5	0645	Thu	511/00	USB	(AB/HFD)
E11	10356	2-5	1530	Thu	266/00	USB	(AB/HFD)
E11	14575	2-5	1645	Thu	332/00	USB	(AB/MPJ)
E11	8088	2-5	1730	Thu	412/00	USB	(AB/MPJ/HFD)
E11	7600	2-5	1900	Thu	647/00	USB	(AB/MPJ/HFD)
E11	14415	3-5	0600	Fri	180/00	USB	(AB-POL)
E11	10429	3-5	0715	Fri	637/00	USB	(AB/HFD)
E11	15270	3-5	0745	Fri	349/00	USB	(AB-POL)
E11	12397	3-5	1000	Fri	302/00	USB	(AB/MPJ/HFD)
E11	14940	3-5	1650	Fri	929/00	USB	(MPJ/HFD)
E11	9610	3-5	1910	Fri	618/00	USB	(HFD)
E11	6480	4-5	0710	Sat	492/00	USB	(AB/HFD)

E11	5737	4-5	0805	Sat	315/00	USB	(AB/HFD)
E11	15825	4-5	1345	Sat	910/00	USB	(AB/MPJ/HFD)
E11	5082	4-5	1930	Sat	364/00	USB	(AB/HFD)
E11	6480	5-5	0710	Sun	498/00	USB	(AB)
E11	5737	5-5	0805	Sun	316/00	USB	(AB)
E11	4783	5-5	1605	Sun	235/00	USB	(AB/MPJ/HFD)
E11	15795	5-5	1625	Sun	972/00	USB	(AB-POL/MPJ-I)
E11	14940	5-5	1650	Sun	921/00	USB	(AB-POL/MPJ-HOL)
E11	14410	5-5	1745	Sun	245/00	USB	(MPJ/HFD)
E11	9610	5-5	1910	Sun	610/00	USB	(AB)
E11	5082	5-5	1930	Sun	366/00	USB	(AB/HFD)
E11	7469	6-5	0450	Mon	414/00	USB	(AB)
E11	14415	6-5	0600	Mon	184/00	USB	(AB/HFD)
E11	15800	6-5	0640	Mon	940/00	USB	(AB)
E11	9610	6-5	0745	Mon	264/00	USB	(AB/HFD)
E11	7439	6-5	0900	Mon	534/00	USB	(AB/HFD)
E11	8545	6-5	1045	Mon	693/00	USB	(AB)
E11	5409	6-5	1530	Mon	524/00	USB	(MPJ/HFD)
E11	7600	6-5	1900	Mon	647/00	USB	(AB/MPJ)
E11	13424	7-5	0645	Tue	517/00	USB	(AB)
E11	8680	7-5	0700	Tue	577/00	USB	(AB)
E11	12153	7-5	0845	Tue	155/00	USB	(AB/HFD)
E11	12397	7-5	1000	Tue	304/00	USB	(AB)
E11	12984	7-5	1345	Tue	917/00	USB	(AB)
E11	15800	8-5	0640	Wed	946/00	USB	(AB)
E11	15720	8-5	0745	Wed	348/00	USB	(AB-POL)
E11	7439	8-5	0900	Wed	532/00	USB	(AB)
E11	6923	8-5	0930	Wed	276/00	USB	(AB/HFD)
E11	8545	8-5	1045	Wed	693/00	USB	(AB)
E11	15795	8-5	1625	Wed	976/00	USB	(AB/MPJ-HOL)
E11	4783	8-5	1705	Wed	396/00	USB	(AB/MPJ)
E11	7984	8-5	1730	Wed	405/00	USB	(AB/MPJ)
E11	8565	9-5	0315	Thu	253/00	USB	(AB)
E11	13424	9-5	0645	Thu	518/00	USB	(AB)
E11	4909	9-5	0820	Thu	432/00	USB	(AB/HFD)
E11	12153	9-5	0845	Thu	157/00	USB	(AB)
E11	6923	9-5	0930	Thu	279/00	USB	(AB)
E11	11092	9-5	1300	Thu	585/00	USB	(AB/MPJ)
E11	10356	9-5	1530	Thu	264/00	USB	(AB/GHn/MPJ)
E11	8088	9-5	1730	Thu	412/00	USB	(AB/MPJ)

E11	7600	9-5	1900	Thu	647/00	USB	(AB/MPJ)
E11	12630	9-5	1925	Thu	552/00	USB	(AB/HFD)
E11	6849	10-5	0435	Fri	352/00	USB	(AB)
E11	14415	10-5	0600	Fri	185/00	USB	(AB-POL)
E11	8680	10-5	0700	Fri	576/00	USB	(AB/HFD)
E11	15720	10-5	0745	Fri	344/00	USB	(HFD)
E11	12397	10-5	1000	Fri	302/00	USB	(AB)
E11	5409	10-5	1530	Fri	520/00	USB	(AB)
E11	14940	10-5	1650	Fri	925/00	USB	(AB/MPJ)
E11	9610	10-5	1910	Fri	618/00	USB	(AB/MPJ)
E11	6480	11-5	0710	Sat	497/00	USB	(AB)
E11	11092	11-5	1300	Sat	585/00	USB	(MPJ-HOL)
E11	15825	11-5	1345	Sat	915/00	USB	(AB/MPJ/HFD)
E11	4783	11-5	1705	Sat	390/00	USB	(AB/MPJ)
E11	7984	11-5	1730	Sat	405/00	USB	(AB/MPJ)
E11	6849	12-5	0435	Sun	359/00	USB	(AB)
E11	6480	12-5	0710	Sun	497/00	USB	(AB)
E11	15795	12-5	1625	Sun	978/00	USB	(MPJ)
E11	14940	12-5	1650	Sun	921/00	USB	(AB/MPJ)
E11	9610	12-5	1910	Sun	613/00	USB	(AB-POL/MPJ)
E11	7469	13-5	0450	Mon	416/00	USB	(AB)
E11	14415	13-5	0600	Mon	181/00	USB	(AB-POL)
E11	9610	13-5	0745	Mon	264/00	USB	(AB)
E11	5409	13-5	1530	Mon	521/00	USB	(AB/MPJ)
E11	14410	13-5	1745	Mon	249/00	USB	(AB/MPJ)
E11	7600	13-5	1900	Mon	648/00	USB	(AB/MPJ)
E11	8680	14-5	0700	Tue	577/00	USB	(AB)
E11	10429	14-5	0715	Tue	639/00	USB	(AB)
E11	17378	14-5	0820	Tue	135/00	USB	(AB-POL)
E11	12153	14-5	0845	Tue	155/00	USB	(AB)
E11	12397	14-5	1000	Tue	306/00	USB	(AB)
E11	6304	14-5	1205	Tue	462/00	USB	(AB/MPJ)
E11	4783	14-5	1605	Tue	235/00	USB	(AB-POL/MPJ)
E11	14575	14-5	1645	Tue	338/00	USB	(MPJ)
E11	15720	15-5	0745	Wed	343/00	USB	(AB-POL)
E11	17378	15-5	0820	Wed	138/00	USB	(AB-POL)
E11	6923	15-5	0930	Wed	276/00	USB	(AB)
E11	6304	15-5	1205	Wed	463/00	USB	(AB)
E11	4783	15-5	1705	Wed	393/00	USB	(AB/MPJ)
E11	7984	15-5	1730	Wed	408/00	USB	(MPJ)



E11	4909	16-5	0820	Thu	431/00	USB	(AB)
E11	12153	16-5	0845	Thu	159/00	USB	(AB)
E11	6923	16-5	0930	Thu	270/00	USB	(AB)
E11	11092	16-5	1300	Thu	588/00	USB	(AB/MPJ)
E11	10356	16-5	1530	Thu	268/00	USB	(AB/GHn/MPJ)
E11	14575	16-5	1645	Thu	332/00	USB	(AB/MPJ)
E11	8088	16-5	1730	Thu	414/00	USB	(AB/MPJ)
E11	7600	16-5	1900	Thu	640/00	USB	(AB/MPJ)
E11	6849	17-5	0435	Fri	358/00	USB	(AB)
E11	14415	17-5	0600	Fri	182/00	USB	(AB-POL)
E11	8680	17-5	0700	Fri	575/00	USB	(AB)
E11	10429	17-5	0715	Fri	635/00	USB	(AB)
E11	12397	17-5	1000	Fri	305/00	USB	(AB)
E11	5409	17-5	1530	Fri	521/00	USB	(AB)
E11	14940	17-5	1650	Fri	920/00	USB	(AB/MPJ)
E11	6480	18-5	0710	Sat	495/00	USB	(AB)
E11	5737	18-5	0805	Sat	310/00	USB	(AB)
E11	11092	18-5	1300	Sat	581/00	USB	(AB/MPJ)
E11	4783	18-5	1705	Sat	399/00	USB	(AB/MPJ)
E11	7984	18-5	1730	Sat	403/00	USB	(AB/MPJ)
E11	5082	18-5	1930	Sat	366/00	USB	(AB)
E11	6849	19-5	0435	Sun	350/00	USB	(AB)
E11	6480	19-5	0710	Sun	498/00	USB	(AB)
E11	5737	19-5	0805	Sun	310/00	USB	(AB)
E11	4783	19-5	1605	Sun	235/00	USB	(AB/MPJ)
E11	14940	19-5	1650	Sun	926/00	USB	(AB/MPJ)
E11	14410	19-5	1745	Sun	248/00	USB	(AB/MPJ)
E11	5082	19-5	1930	Sun	365/00	USB	(AB)
E11	7469	20-5	0450	Mon	415/00	USB	(AB)
E11	15800	20-5	0640	Mon	945/00	USB	(AB)
E11	7439	20-5	0900	Mon	532/00	USB	(AB)
E11	8545	20-5	1045	Mon	694/00	USB	(AB)
E11	5409	20-5	1530	Mon	521/00	USB	(AB/MPJ)
E11	14410	20-5	1745	Mon	245/00	USB	(AB/MPJ)
E11	13424	21-5	0645	Tue	517/00	USB	(AnEur)
E11	10429	21-5	0715	Tue	630/00	USB	(AB)
E11	17378	21-5	0820	Tue	138/00	USB	(AB-POL)
E11	6304	21-5	1205	Tue	465/00	USB	(AB)
E11	12984	21-5	1345	Tue	911/00	USB	(MPJ)
E11	4783	21-5	1605	Tue	233/00	USB	(MPJ)



E11	14575	21-5	1645	Tue	330/00	USB	(AB)
E11	12630	21-5	1925	Tue	558/00	USB	(AB)
E11	15800	22-5	0640	Wed	940/00	USB	(AB)
E11	15720	22-5	0745	Wed	343/00	USB	(AB-POL)
E11	17378	22-5	0820	Wed	138/00	USB	(AB-POL)
E11	7439	22-5	0900	Wed	537/00	USB	(AB)
E11	6923	22-5	0930	Wed	279/00	USB	(AB)
E11	8545	22-5	1045	Wed	698/00	USB	(AB)
E11	6304	22-5	1205	Wed	469/00	USB	(AB-POL/MPJ)
E11	7863	22-5	1625	Wed	975/00	USB	(AB/HFD)
E11	4783	22-5	1705	Wed	396/00	USB	(AB/MPJ)
E11	7984	22-5	1730	Wed	406/00	USB	(AB/MPJ)
E11	13424	23-5	0645	Thu	517/00	USB	(AB)
E11	4909	23-5	0820	Thu	435/00	USB	(AB)
E11	12153	23-5	0845	Thu	156/00	USB	(AB)
E11	6923	23-5	0930	Thu	279/00	USB	(AB)
E11	11092	23-5	1300	Thu	580/00	USB	(AB/MPJ)
E11	14575	23-5	1645	Thu	331/00	USB	(AB-POL/MPJ)
E11	8088	23-5	1730	Thu	416/00	USB	(AB/MPJ)
E11	12630	23-5	1925	Thu	558/00	USB	(AB)
E11	10429	24-5	0715	Fri	635/00	USB	(AB)
E11	15720	24-5	0745	Fri	346/00	USB	(AB)
E11	5409	24-5	1530	Fri	521/00	USB	(AB/MPJ)
E11	9610	24-5	1910	Fri	614/00	USB	(AB/MPJ)
E11	5737	25-5	0805	Sat	314/00	USB	(AB)
E11	11092	25-5	1300	Sat	585/00	USB	(AB/MPJ)
E11	12984	25-5	1345	Sat	915/00	USB	(AB/MPJ)
E11	4783	25-5	1705	Sat	392/00	USB	(AB/MPJ)
E11	7984	25-5	1730	Sat	402/00	USB	(AB/MPJ)
E11	5082	25-5	1930	Sat	364/00	USB	(AB/MPJ)
E11	4783	26-5	1605	Sun	233/00	USB	(MPJ)
E11	7863	26-5	1625	Sun	974/00	USB	(MPJ)
E11	14410	26-5	1745	Sun	242/00	USB	(MPJ)
E11	9610	26-5	1910	Sun	618/00	USB	(MPJ)
E11	14410	27-5	1745	Mon	249/00	USB	(AB/MPJ)
E11	7600	27-5	1900	Mon	643/00	USB	(AB/GHn/MPJ)
E11	17378	28-5	0820	Tue	135/00	USB	(AB)
E11	12397	28-5	1000	Tue	306/00	USB	(AB)
E11	6304	28-5	1205	Tue	465/00	USB	(AB)
E11	12984	28-5	1345	Tue	912/00	USB	(AB/MPJ)

<b>E11</b>	4783	28-5	1605	Tue	235/00	USB	(AB/MPJ)
<b>E11</b>	14575	28-5	1645	Tue	334/00	USB	(AB)
<b>E11</b>	12630	28-5	1925	Tue	557/00	USB	(AB)
<b>E11</b>	17378	29-5	0820	Wed	136/00	USB	(AB-POL)
<b>E11</b>	7439	29-5	0900	Wed	538/00	USB	(AB)
<b>E11</b>	7863	29-5	1625	Wed	974/00	USB	(AB/MPJ)
<b>E11</b>	4783	29-5	1705	Wed	394/00	USB	(MPJ)
<b>E11</b>	11092	30-5	1300	Thu	583/00	USB	(MPJ-HOL)
<b>E11</b>	10356	30-5	1530	Thu	261/00	USB	(AB/MPJ)
<b>E11</b>	14575	30-5	1645	Thu	333/00	USB	(AB)
<b>E11</b>	7600	30-5	1900	Thu	648/00	USB	(AB/MPJ)
<b>E11</b>	12630	30-5	1925	Thu	557/00	USB	(AB)
<b>E11</b>	8680	31-5	0700	Fri	571/00	USB	(AB)
<b>E11</b>	10429	31-5	0715	Fri	631/00	USB	(AB)
<b>E11</b>	14940	31-5	1650	Fri	922/00	USB	(AB/MPJ)
<b>E11a</b>	4783	1-5	1705	Wed	394/32 Attention 70228 58090 59941 ... 74887 02578 16667 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7984	1-5	1730	Wed	406/32 Attention 29241 51157 78061 ... 38751 67923 63089 Attention (message repeated) Out	USB	(AB/MPJ/HFD)
<b>E11a</b>	11092	4-5	1300	Sat	588/34 Attention 10633 ...	USB	(HFD)
<b>E11a</b>	4783	4-5	1705	Sat	394/32 Attention 70228 58090 59941 ... 74887 02578 16667 Attention (message repeated) Out	USB	(AB/MPJ/HFD)
<b>E11a</b>	7984	4-5	1730	Sat	406/32 Attention 29241 51157 78061 ... 38751 67923 63089 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	14410	6-5	1745	Mon	246/39 Attention 06122 22358 81929 ... 51404 11890 72312 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	10429	7-5	0715	Tue	637/39 Attention 43346 23567 71780 ... 54104 67627 62399 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	17378	7-5	0820	Tue	134/36 Attention 97536 48676 85708 ... 02212 57493 41924 Attention (message repeated) Out	USB	(AB-POL/HFD)
<b>E11a</b>	6304	7-5	1205	Tue	465/31 Attention 59749 46993 60302 ... 63401 44604 91659 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	4783	7-5	1605	Tue	235/40 Attention 42325 51004 53393 ... 65366 25614 12149 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	14575	7-5	1645	Tue	334/39 Attention 49034 89505 18675 ... 61888 72172 20871 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6304	8-5	1205	Wed	465/31 Attention 59749 46993 60302 ... 63401 44604 91659 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	14575	9-5	1645	Thu	334/39 Attention 49034 89505 18675 ... 61888 72172 20871 Attention (message repeated) Out	USB	(AB/MPJ-I/HFD)

<b>E11a</b>	10429	10-5	0715	Fri	637/39 Attention 43346 23567 71780 ... 54104 67627 62399 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5737	11-5	0805	Sat	313/36 Attention 96187 77754 39847 ... 73316 69800 28013 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5082	11-5	1930	Sat	369/33 Attention 70899 82974 88433 ... 41391 80155 80056 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5737	12-5	0805	Sun	313/36 Attention 96187 77754 39847 ... 73316 69800 28013 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4783	12-5	1605	Sun	235/40 Attention 42325 51004 53393 ... 65366 25614 12149 Attention (messages repeat- ed) Out	USB	(MPJ)
<b>E11a</b>	14410	12-5	1745	Sun	246/39 Attention 06122 22358 81929 ... 51404 11890 72312 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5082	12-5	1930	Sun	369/33 Attention 70899 82974 88433 ... 41391 80155 80056 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	15800	13-5	0640	Mon	941/25 Attention 71343 57356 25002 ... 34048 83008 29149 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7439	13-5	0900	Mon	534/37 Attention 64253 75520 24816 ... 47392 80393 65940 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8545	13-5	1045	Mon	692/35 Attention 35103 31129 50657 ... 68741 32908 19032 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	13424	14-5	0645	Tue	512/40 Attention 20162 01680 15842 ... 01446 63188 38133 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12984	14-5	1345	Tue	912/31 Attention 98246 31267 25096 ... 07516 31829 33923 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	15800	15-5	0640	Wed	941/25 Attention 71343 57356 25002 ... 34048 83008 29149 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	7439	15-5	0900	Wed	534/37 Attention 64253 75520 24816 ... 47392 80393 65940 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8545	15-5	1045	Wed	692/35 Attention 35103 31129 50657 ... 68741 32908 19032 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7863	15-5	1625	Wed	976/40 Attention 65843 02190 85273 ... 36919 59423 00275 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	13424	16-5	0645	Thu	512/40 Attention 20162 01680 15842 ... 01446 63188 38133 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12630	16-5	1925	Thu	556/39 Attention 11098 42223 60963 ... 97318 11774 39270 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	9610	17-5	1910	Fri	618/34 Attention 92199 63753 34818 ... 25677 88598 54496 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	12984	18-5	1345	Sat	912/31 Attention 98246 31267 25096 ... 07516 31829 33923 Attention (message repeated) Out	USB	(AB/MPJ)

<b>E11a</b>	7863	19-5	1625	Sun	976/40 Attention 65843 02190 85273 ... 36919 59423 00275 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	9610	19-5	1910	Sun	618/34 Attention 92199 63753 34818 ... 25677 88598 54496 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	14415	20-5	0600	Mon	182/26 Attention 63587 69697 72219 ... 24650 12524 56640 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	9610	20-5	0745	Mon	269/34 Attention 57236 92936 96672 ... 29846 57804 03439 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7600	20-5	1900	Mon	643/35 Attention 90954 53582 98526 ... 82501 17717 04624 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
<b>E11a</b>	12397	21-5	1000	Tue	304/28 Attention 47800 52465 54456 ... 39596 54560 78085 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10356	23-5	1530	Thu	269/34 Attention 57236 92936 96672 ... 29846 57804 03439 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
<b>E11a</b>	7600	23-5	1900	Thu	643/35 Attention 90954 53582 98526 ... 82501 17717 04624 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6849	24-5	0435	Fri	359/34 Attention 97157 94696 31616 ... 52457 40245 11843 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14415	24-5	0600	Fri	182/26 Attention 63587 69697 72219 ... 24650 12524 56640 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8680	24-5	0700	Fri	575/38 Attention 51089 45467 04898 ... 44209 60943 97305 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12397	24-5	1000	Fri	304/28 Attention 47800 52465 54456 ... 39596 54560 78085 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14940	24-5	1650	Fri	927/32 Attention 01130 67009 60714 ... 22695 44026 80897 Attention (message repeated) Out	USB	(AB/MPJ/RL)
<b>E11a</b>	6480	25-5	0710	Sat	498/31 Attention 53195 12600 23391 ... 68500 52629 14299 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14940	26-5	1650	Sun	927/32 Attention 01130 67009 60714 ... 22695 44026 80897 Attention (message repeated) Out	USB	(MPJ)
<b>E11a</b>	5409	27-5	1530	Mon	528/34 Attention 20265 85455 95054 ... 90883 19819 28605	USB	(MPJ)
<b>E11a</b>	12153	28-5	0845	Tue	152/39 Attention 72153 41809 12027 ... 56694 42176 21047 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6923	29-5	0930	Wed	277/32 Attention 09605 03474 39613 ... 88526 41278 38996 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8545	29-5	1045	Wed	699/47 Attention 05308 50705 20865 ... 17227 46145 15607 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4909	30-5	0820	Thu	438/37 Attention ...	USB	(AB)
<b>E11a</b>	8088	30-5	1730	Thu	414/34 Attention 88205 20634 80586 ... 23602 73714 36246 Attention (message repeated) Out	USB	(AB)

<b>E11a</b>	5409	31-5	1530	Fri	528/34 Attention 20265 85455 95054 ... 90883 19819 28605 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	9610	31-5	1910	Fri	null message	USB	(MPJ)
<b>E17z</b>	16780	2-5	0800	Thu	674 953 8 15339 91460 26995 97723 99626 84780 98956 43258 953 8 00000	USB	(AB/HFD)
<b>E17z</b>	12850	2-5	0810	Thu	674 953 8 15339 91460 26995 97723 99626 84780 98956 43258 953 8 00000	USB	(AB/HFD)
<b>E17z</b>	16780	9-5	0800	Thu	674 953 8 15339 91460 26995 97723 99626 84780 98956 43258 953 8 00000	USB	(AB-FIN)
<b>E17z</b>	12850	9-5	0810	Thu	674 953 8 15339 91460 26995 97723 99626 84780 98956 43258 953 8 00000	USB	(AB)
<b>E17z</b>	16780	16-5	0800	Thu	674 928 5 48915 01856 64045 42757 01171 928 5 00000	USB	(AB-FIN)
<b>E17z</b>	12850	16-5	0810	Thu	674 928 5 48915 01856 64045 42757 01171 928 5 00000	USB	(AB)
<b>E17z</b>	16780	23-5	0800	Thu	674 928 5 48915 01856 64045 42757 01171 928 5 00000	USB	(AB)
<b>E17z</b>	12850	23-5	0810	Thu	674 928 5 48915 01856 64045 42757 01171 928 5 00000	USB	(AB)
<b>E17z</b>	16780	30-5	0800	Thu	674 674 674 00000	USB	(AB)
<b>E17z</b>	12850	30-5	0810	Thu	674 674 674 00000	USB	(AB)
<b>EGY</b>	17426.7	9-5	1159	Thu	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
<b>F01</b>	14363	1-5	1840	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ)
<b>F01</b>	12189	1-5	1850	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ/RL)
<b>F01</b>	10346	1-5	1900	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ/RL)
<b>F03</b>	6304	1-5	0915	Wed	Polish intel.	FSK 100Bd	(AB)
<b>F03</b>	6304	1-5	0920	Wed	Polish intel.	FSK 100Bd	(AB)
<b>F03</b>	8423	1-5	1030	Wed	Polish intel.	FSK-2 100/200	(AB)
<b>F03</b>	8423	1-5	1040	Wed	Polish intel.	FSK-2 100/200	(AB)
<b>F03</b>	6923	1-5	1100	Wed	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	6923	1-5	1105	Wed	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	12385	2-5	0835	Thu	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	12385	2-5	0840	Thu	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	12385	2-5	1800	Thu	Polish Intel	BFSK	(AB)
<b>F03</b>	12385	2-5	1805	Thu	Polish Intel	BFSK	(AB)
<b>F03</b>	6304	2-5	1830	Thu	Polish Intel.	BFSK	(AB)
<b>F03</b>	6304	2-5	1835	Thu	Polish Intel.	BFSK	(AB)
<b>F03</b>	8423	6-5	1030	Mon	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	8423	6-5	1035	Mon	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	6304	6-5	1830	Mon	Polish Intel.	BFSK	(AB)
<b>F03</b>	6304	6-5	1835	Mon	Polish Intel.	BFSK	(AB)
<b>F03</b>	12385	7-5	0835	Tue	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	12385	7-5	0840	Tue	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	12385	7-5	1800	Tue	Polish Intel	BFSK	(AB)
<b>F03</b>	12385	7-5	1805	Tue	Polish Intel	BFSK	(AB)
<b>F03</b>	6304	8-5	0915	Wed	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	6304	8-5	0920	Wed	Polish intel.	BFSK 100Bd	(AB)
<b>F03</b>	8423	8-5	1030	Wed	Polish intel.	BFSK 100Bd	(AB)

F03	8423	8-5	1035	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	12385	9-5	0835	Thu	Polish intel.	BFSK 100Bd	(AB)
F03	12385	9-5	0840	Thu	Polish intel.	BFSK 100Bd	(AB)
F03	6304	9-5	1830	Thu	Polish Intel.	BFSK 100/200	(AB)
F03	6304	9-5	1835	Thu	Polish Intel.	BFSK 100/200	(AB)
F03	8423	13-5	1030	Mon	Polish intel.	BFSK 100Bd	(AB)
F03	8423	13-5	1035	Mon	Polish intel.	BFSK 100Bd	(AB)
F03	6304	13-5	1830	Mon	Polish Intel.	BFSK	(AB)
F03	6304	13-5	1835	Mon	Polish Intel.	BFSK	(AB)
F03	12385	14-5	0835	Tue	Polish intel.	BFSK 100Bd	(AB)
F03	12385	14-5	0840	Tue	Polish intel.	BFSK 100Bd	(AB)
F03	12385	14-5	1800	Tue	Polish Intel	BFSK	(AB)
F03	12385	14-5	1805	Tue	Polish Intel	BFSK	(AB)
F03	6304	15-5	0915	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	6304	15-5	0920	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	8423	15-5	1030	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	8423	15-5	1035	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	12385	16-5	0835	Thu	Polish intel.	BFSK 100Bd	(AB)
F03	12385	16-5	0840	Thu	Polish intel.	BFSK 100Bd	(AB)
F03	6304	16-5	1830	Thu	Polish Intel.	BFSK 100/200	(AB)
F03	6304	16-5	1835	Thu	Polish Intel.	BFSK 100/200	(AB)
F03	10210	20-5	1000	Mon	Polish intel.	BFSK 100Bd	(AB)
F03	10210	20-5	1005	Mon	Polish intel.	BFSK 100Bd	(AB)
F03	6304	20-5	1830	Mon	Polish Intel.	BFSK	(AB)
F03	6304	20-5	1835	Mon	Polish Intel.	BFSK	(AB)
F03	12385	21-5	0835	Tue	Polish intel.	BFSK 100Bd	(AB)
F03	12385	21-5	0840	Tue	Polish intel.	BFSK 100Bd	(AB)
F03	6304	22-5	0915	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	6304	22-5	0920	Wed	Polish intel.	BFSK 100Bd	(AB)
F03	6304	27-5	1830	Mon	Polish Intel.	BFSK	(AB)
F03	6304	27-5	1835	Mon	Polish Intel.	BFSK	(AB)
F03a	11531	3-5	0945	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	3-5	0950	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	7-5	0800	Tue	Polish intel.	FSK-2 100/200	(AB)
F03a	18030	7-5	0805	Tue	Polish intel.	FSK-2 100/200	(AB)
F03a	11531	7-5	0945	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	11531	7-5	0950	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	9-5	1800	Thu	Polish Intel	FSK-2 100/200	(AB)
F03a	12385	9-5	1805	Thu	Polish Intel	FSK-2 100/200	(AB)
F03a	18030	14-5	0800	Tue	Polish intel.	FSK-2 100/200	(AB-POL)

<b>F03a</b>	18030	14-5	0805	Tue	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	11531	14-5	0945	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	11531	14-5	0950	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	15-5	0800	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	18030	15-5	0805	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	12385	16-5	1800	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	12385	16-5	1805	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	11531	17-5	0945	Fri	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	11531	17-5	0950	Fri	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	21-5	0800	Tue	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	18030	21-5	0805	Tue	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	12385	21-5	1800	Tue	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	12385	21-5	1805	Tue	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	18030	22-5	0800	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	18030	22-5	0805	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	8423	22-5	1030	Wed	Polish intel.	FSK-2 100/200	(AB)
<b>F03a</b>	8423	22-5	1035	Wed	Polish intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	23-5	1800	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	12385	23-5	1805	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	6304	23-5	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	23-5	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	11531	24-5	0945	Fri	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	11531	24-5	0950	Fri	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	28-5	0800	Tue	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	18030	28-5	0805	Tue	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	11531	28-5	0945	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	11531	28-5	0950	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	28-5	1800	Tue	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	12385	28-5	1805	Tue	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	18030	29-5	0800	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	18030	29-5	0805	Wed	Polish intel.	FSK-2 100/200	(AB-POL)
<b>F03a</b>	12385	30-5	1800	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	12385	30-5	1805	Thu	Polish Intel	FSK-2 100/200	(AB)
<b>F03a</b>	6304	30-5	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	30-5	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03c</b>	10210	3-5	0940	Fri	Polish Intel.	BFSK 400/960	(AB)
<b>F03c</b>	10210	3-5	0945	Fri	Polish Intel.	BFSK 400/960	(AB)
<b>F03c</b>	10210	10-5	0940	Fri	Polish Intel.	BFSK 400/960	(AB)
<b>F03c</b>	10210	10-5	0945	Fri	Polish Intel.	BFSK 400/960	(AB)
<b>F03c</b>	10210	17-5	0940	Fri	Polish Intel.	BFSK 400/960	(AB)



F03c	10210	17-5	0945	Fri	Polish Intel.	BFSK 400/960	(AB)
F03c	10210	24-5	0940	Fri	Polish Intel.	BFSK 400/960	(AB)
F03c	10210	24-5	0945	Fri	Polish Intel.	BFSK 400/960	(AB)
F03d	9150	23-5	1100	Thu	Polish intel.	FSK-2 200/400	(AB)
F03d	9150	23-5	1105	Thu	Polish intel.	FSK-2 200/400	(AB)
F03f	10210	2-5	1000	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	2-5	1005	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	6-5	1000	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	6-5	1005	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	9-5	1000	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	9-5	1005	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	13-5	1000	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	13-5	1005	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	16-5	1000	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	16-5	1005	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	8423	20-5	1030	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	8423	20-5	1035	Mon	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	23-5	1000	Thu	Polish intel.	FSK-2 400/800	(AB)
F03f	10210	23-5	1005	Thu	Polish intel.	FSK-2 400/800	(AB)
F03i	6433	28-5	1100	Tue	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	28-5	1105	Tue	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03j	12385	23-5	0835	Thu	Polish intel.	FSK-4 100/400	(AB)
F03j	12385	23-5	0840	Thu	Polish intel.	FSK-4 100/400	(AB)
F03j	12385	28-5	0835	Tue	Polish intel.	FSK-4 100/400	(AB)
F03j	12385	28-5	0840	Tue	Polish intel.	FSK-4 100/400	(AB)
F03j	6304	29-5	0915	Wed	Polish intel.	FSK-4 100/400	(AB)
F03j	6304	29-5	0920	Wed	Polish intel.	FSK-4 100/400	(AB)
F03j	8423	29-5	1030	Wed	Polish intel.	FSK-4 100/400	(AB)
F03j	8423	29-5	1035	Wed	Polish intel.	FSK-4 100/400	(AB)
F03j	12385	30-5	0835	Thu	Polish intel.	FSK-4 100/400	(AB)
F03j	12385	30-5	0840	Thu	Polish intel.	FSK-4 100/400	(AB)
F06	17420	1-5	0600	Wed	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)
F06	15673	1-5	0610	Wed	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)
F06	13361	1-5	0620	Wed	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)
F06	12178	1-5	0800	Wed	Russian diplo/intel. 11166 70048 75326 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10218	1-5	0810	Wed	Russian diplo/intel. 11166 70048 75326 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8115	1-5	0820	Wed	Russian diplo/intel. 11166 70048 75326 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17420	2-5	0600	Thu	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)
F06	15673	2-5	0610	Thu	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)
F06	13361	2-5	0620	Thu	Russian diplo/intel. Header: 11166 40122 84361 27028 03689	FSK 200/1000	(AB-J)



F06	16328	2-5	1330	Thu	Russian diplo/intel. 11166 80214 65412 02087 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	2-5	1340	Thu	Russian diplo/intel. 11166 80214 65412 02087 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	2-5	1350	Thu	Russian diplo/intel. 11166 80214 65412 02087 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13598	4-5	1100	Sat	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	11524	4-5	1110	Sat	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	9479	4-5	1120	Sat	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	18626	4-5	2100	Sat	Russian diplo/intel. 11166 40133 17935 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16245	4-5	2110	Sat	Russian diplo/intel. 11166 40133 17935 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14440	4-5	2120	Sat	Russian diplo/intel. 11166 40133 17935 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13598	5-5	1100	Sun	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	11524	5-5	1110	Sun	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	9479	5-5	1120	Sun	Russian diplo/intel. Header: 11166 50046 36987 30075 01029	FSK 200/1000	(AB/MPJ)
F06	19323	5-5	1530	Sun	Russian diplo/intel. 11166 10053 74563 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	17536	5-5	1540	Sun	Russian diplo/intel. 11166 10053 74563 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	14356	5-5	1550	Sun	Russian diplo/intel. 11166 10053 74563 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	19214	7-5	1650	Tue	Russian diplo/intel. 11166 10053 14279 07069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	17419	7-5	1700	Tue	Russian diplo/intel. 11166 10053 14279 07069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	14443	7-5	1710	Tue	Russian diplo/intel. 11166 10053 14279 07069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	15673	8-5	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 86321 04029 03269 and 11166 40122 63521 04030 02269	FSK 200/1000	(AB-KOR)
F06	13361	8-5	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 86321 04029 03269 and 11166 40122 63521 04030 02269	FSK 200/1000	(AB-J)
F06	12178	8-5	0800	Wed	Russian diplo/intel. 11166 70048 78451 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15784	8-5	0800	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	10218	8-5	0810	Wed	Russian diplo/intel. 11166 70048 78451 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13849	8-5	0810	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	8115	8-5	0820	Wed	Russian diplo/intel. 11166 70048 78451 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11646	8-5	0820	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	14638	8-5	0915	Wed	Russian diplo/intel. 11166 10031 98563 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12156	8-5	0925	Wed	Russian diplo/intel. 11166 10031 98563 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	8-5	0935	Wed	Russian diplo/intel. 11166 10031 98563 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	9-5	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 86321 04029 03269 and 11166 40122 63521 04030 02269	FSK 200/1000	(AB-J)
F06	13361	9-5	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 86321 04029 03269 and 11166 40122 63521 04030 02269	FSK 200/1000	(AB-J)
F06	15784	9-5	0800	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	13849	9-5	0810	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	11646	9-5	0820	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	16328	9-5	1330	Thu	Russian diplo/intel. 11166 80214 09518 09068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	9-5	1340	Thu	Russian diplo/intel. 11166 80214 09518 09068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	11146	9-5	1350	Thu	Russian diplo/intel. 11166 80214 09518 09068 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18626	11-5	2100	Sat	Russian diplo/intel. 11166 40133 96374 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16245	11-5	2110	Sat	Russian diplo/intel. 11166 40133 96374 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14440	11-5	2120	Sat	Russian diplo/intel. 11166 40133 96374 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19323	12-5	1530	Sun	Russian diplo/intel. 11166 10053 14279 12065 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	17536	12-5	1540	Sun	Russian diplo/intel. 11166 10053 14279 12065 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	14356	12-5	1550	Sun	Russian diplo/intel. 11166 10053 14279 12065 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	11523	14-5	0030	Tue	Russian diplo/intel. 11166 60070 78521 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9317	14-5	0040	Tue	Russian diplo/intel. 11166 60070 78521 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7571	14-5	0050	Tue	Russian diplo/intel. 11166 60070 78521 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19214	14-5	1650	Tue	Russian diplo/intel. 11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	17419	14-5	1700	Tue	Russian diplo/intel. 11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	14443	14-5	1710	Tue	Russian diplo/intel. 11166 10053 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	17420	15-5	0600	Wed	Russian diplo/intel. 11166 40122 12563 15069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NZL)
F06	15673	15-5	0610	Wed	Russian diplo/intel. 11166 40122 12563 15069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	13361	15-5	0620	Wed	Russian diplo/intel. 11166 40122 12563 15069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	12178	15-5	0800	Wed	Russian diplo/intel. 11166 70048 25879 15016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10218	15-5	0810	Wed	Russian diplo/intel. 11166 70048 25879 15016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8115	15-5	0820	Wed	Russian diplo/intel. 11166 70048 25879 15016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16328	16-5	1330	Thu	Russian diplo/intel. 11166 80214 61348 16073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	16-5	1340	Thu	Russian diplo/intel. 11166 80214 61348 16073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	16-5	1350	Thu	Russian diplo/intel. 11166 80214 61348 16073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13598	18-5	1100	Sat	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	11524	18-5	1110	Sat	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	9479	18-5	1120	Sat	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	18626	18-5	2100	Sat	Russian diplo/intel. 11166 40133 93784 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16245	18-5	2110	Sat	Russian diplo/intel. 11166 40133 93784 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14440	18-5	2120	Sat	Russian diplo/intel. 11166 40133 93784 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13598	19-5	1100	Sun	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	11524	19-5	1110	Sun	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	9479	19-5	1120	Sun	Russian diplo/intel. Header: 11166 50046 14975 17076 03409	FSK 200/1000	(AB/MPJ)
F06	19323	19-5	1530	Sun	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS/MPJ/RL)
F06	17536	19-5	1540	Sun	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS/MPJ)
F06	14356	19-5	1550	Sun	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS/MPJ)
F06	12219	20-5	0400	Mon	Russian diplo/intel. 11166 70059 21587 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10448	20-5	0410	Mon	Russian diplo/intel. 11166 70059 21587 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8139	20-5	0420	Mon	Russian diplo/intel. 11166 70059 21587 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19323	20-5	1530	Mon	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS)
F06	17536	20-5	1540	Mon	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS)
F06	14356	20-5	1550	Mon	Russian diplo/intel. Header: 11166 10053 46931 17065 01989	FSK 200/1000	(AB-RUS)

F06	11523	21-5	0030	Tue	Russian diplo/intel. 11166 60070 14279 21075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9317	21-5	0040	Tue	Russian diplo/intel. 11166 60070 14279 21075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7571	21-5	0050	Tue	Russian diplo/intel. 11166 60070 14279 21075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19214	21-5	1650	Tue	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB-RUS/MPJ)
F06	17419	21-5	1700	Tue	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB-RUS/MPJ)
F06	14443	21-5	1710	Tue	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB/MPJ)
F06	17420	22-5	0600	Wed	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	15673	22-5	0610	Wed	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	13361	22-5	0620	Wed	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	12178	22-5	0800	Wed	Russian diplo/intel. 11166 70048 73568 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15784	22-5	0800	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	10218	22-5	0810	Wed	Russian diplo/intel. 11166 70048 73568 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13849	22-5	0810	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	8115	22-5	0820	Wed	Russian diplo/intel. 11166 70048 73568 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11646	22-5	0820	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	11646	22-5	0820	Wed	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	14638	22-5	0915	Wed	Russian diplo/intel. 11166 10031 13579 22026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12156	22-5	0925	Wed	Russian diplo/intel. 11166 10031 13579 22026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	22-5	0935	Wed	Russian diplo/intel. 11166 10031 13579 22026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19214	22-5	1650	Wed	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB-RUS)
F06	17419	22-5	1700	Wed	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB-RUS)
F06	14443	22-5	1710	Wed	Russian diplo/intel. Header: 11166 10053 36987 20069 01889	FSK 200/1000	(AB-RUS)
F06	17420	23-5	0600	Thu	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	15673	23-5	0610	Thu	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	13361	23-5	0620	Thu	Russian diplo/intel. Header: 11166 40122 47362 18031 04139	FSK 200/1000	(AB-J)
F06	15784	23-5	0800	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	13849	23-5	0810	Thu	Russian diplo/intel. Header: 11166 00052 39754 07040 01729	FSK 200/1000	(AB)
F06	16328	23-5	1330	Thu	Russian diplo/intel. 11166 80214 85321 23006 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	23-5	1340	Thu	Russian diplo/intel. 11166 80214 85321 23006 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	23-5	1350	Thu	Russian diplo/intel. 11166 80214 85321 23006 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18626	25-5	2100	Sat	Russian diplo/intel. 11166 40133 79513 25012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	16245	25-5	2110	Sat	Russian diplo/intel. 11166 40133 79513 25012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14440	25-5	2120	Sat	Russian diplo/intel. 11166 40133 79513 25012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	19323	26-5	1530	Sun	Russian diplo/intel. 11166 10053 13645 26001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	17536	26-5	1540	Sun	Russian diplo/intel. 11166 10053 13645 26001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	14356	26-5	1550	Sun	Russian diplo/intel. 11166 10053 13645 26001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	19214	28-5	1650	Tue	Russian diplo/intel. 11166 10053 14879 28070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17419	28-5	1700	Tue	Russian diplo/intel. 11166 10053 14879 28070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14443	28-5	1710	Tue	Russian diplo/intel. 11166 10053 14879 28070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12178	29-5	0800	Wed	Russian diplo/intel. 11166 70048 79513 29012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	10218	29-5	0810	Wed	Russian diplo/intel. 11166 70048 79513 29012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8115	29-5	0820	Wed	Russian diplo/intel. 11166 70048 79513 29012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16328	30-5	1330	Thu	Russian diplo/intel. 11166 80214 90674 30081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	30-5	1340	Thu	Russian diplo/intel. 11166 80214 90674 30081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	30-5	1350	Thu	Russian diplo/intel. 11166 80214 90674 30081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
G06	7320	6-5	0745	Mon	111	USB	(HFD)
G06	7320	6-5	0759	Mon	329 329 329 00000 Early start	USB	(AB/HFD)
G06	5344	6-5	1700	Mon	145 145 145 00000	USB	(AB/HFD)
G06	5344	6-5	1707	Mon	111 111 111	USB	(AB)
G06	7525	8-5	1200	Wed	145 145 145 00000	USB	(AB-POL/HFD)
G06	6974	8-5	1300	Wed	145 145 145 00000	USB	(HFD)
G06	5890	9-5	1300	Thu	329 329 329 00000	USB	(AB-POL/MPJ/HFD)
G06	6887	9-5	1830	Thu	842 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000	USB	(AB/MPJ/HFD)
G06	5928	10-5	1930	Fri	218 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000	USB	(AB/HFD)
G06	5344	13-5	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	5916	13-5	1800	Mon	145 145 145 00000	USB	(HFD)
G06	7531	15-5	1200	Wed	145 145 145 00000	USB	(AB-POL)
G06	7531	15-5	1207	Wed	111 111 111 00000	USB	(AB-POL)
G06	6981	15-5	1300	Wed	145 145 145 00000	USB	(AB-POL/MPJ)
G06	5890	23-5	1300	Thu	329 329 320 00000. Windows shut down sound	USB	(AB-POL/MPJ)
G06	6887	23-5	1830	Thu	842 973 48 90874 56432 12456 ... 56546 45442 45678 973 48 00000	USB	(AB/MPJ)
G06	5952	24-5	1930	Fri	218 973 48 90874 56432 12456 ... 56546 45442 45678 973 48 00000	USB	(AB)
HM01	11435	1-5	1627	Wed	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	2-5	1557	Thu	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9240	3-5	0858	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	3-5	1558	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	4-5	1558	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	5-5	1556	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	6-5	1556	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	7-5	1558	Tue	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	8-5	1558	Wed	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	9-5	1558	Thu	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9330	10-5	0733	Fri	i.p. 18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	10-5	1555	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB-USA/RR2)
HM01	11435	11-5	1555	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	12-5	1557	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	13-5	1614	Mon	Open carrier since 1558 UTC. 71875 36551 86325 55633 85266 35553	AM/RDFT	(RR2)
HM01	11435	14-5	1558	Tue	Open carrier till 1624 UTC. 71875 36551 86325 55633 85266 35553 (repeating the groups of 13 May)	AM/RDFT	(RR2)
HM01	16180	14-5	2057	Tue	71875 36551 86325 55633 85266 35553 (repeating the groups of 13 May)	AM/RDFT	(RL)

HM01	11435	15-5	1558	Wed	71875 36551 86325 55633 85266 35553 (repeating the groups of 13 May)	AM/RDFT	(RR2)
HM01	11435	16-5	1628	Thu	02035 35522 04715 42364 58121 53483	AM/RDFT	(RR2)
HM01	9155	17-5	0957	Fri	71875 36551 86325 55633 85266 35553	AM/RDFT	(RL)
HM01	11435	17-5	1624	Fri	i.p. Windows sounds in background 18253 65311 55104 83886 28556 23037	AM/RDFT	(RR2)
HM01	11635	17-5	1756	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	18-5	1557	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	17480	18-5	2157	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RL)
HM01	9065	19-5	0758	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	9155	19-5	0957	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	19-5	1624	Sun	i.p. 18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	10860	20-5	0458	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	10345	20-5	0556	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	9330	20-5	0656	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	20-5	1559	Mon	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	21-5	1559	Tue	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11635	22-5	1829	Wed	i.p. 18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11462	23-5	0858	Thu	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	11635	23-5	1827	Thu	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9330	24-5	0658	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	9330	24-5	0758	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	9240	24-5	0858	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	24-5	1558	Fri	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	25-5	1557	Sat	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	26-5	1556	Sun	18253 65311 55104 83886 28556 23037 (repeating groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11635	27-5	2057	Mon	60411 01321 63153 73306 52264 23856	AM/RDFT	(RR2)
HM01	11435	28-5	1550	Tue	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11435	29-5	1556	Wed	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11530	30-5	1656	Thu	60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
HM01	11530	31-5	1730	Fri	i.p. 60411 01321 63153 73306 52264 23856 (repeating groups of 27 May)	AM/RDFT	(RR2)
M01	5280	2-5	1800	Thu	025 315 315 = 30 30 = = 11288 12933 32959 ... 90867 06599 21919 = = 315 315 = 30 30 000	CW	(AB/MPJ)
M01	4905	2-5	2000	Thu	025 133 133 = 30 30 = = 87171 38575 26096 ... 51667 42013 53596 = = 133 133 = 30 30 000	CW	(AB/HFD)
M01	6535	4-5	1504	Sat	i.p.85124 17271 83103 ... 82115 21079 69327 = = = 877 877 30 30 000. 6435 kHz expected	CW	(MPJ)
M01	6780	5-5	0657	Sun	VVV VVV	CW	(AB)
M01	6780	5-5	0700	Sun	025 816 816 39 39 63954 21958 38482 ... 81019 92301 17996 = = 816 816 30 30 000 Errors.	CW	(AB)
M01	5280	7-5	1800	Tue	025 987 987 30 30 = = 63954 21958 38482 ... 81019 92301 17996 = = 987 987 30 30 000	CW	(AB/MPJ/HFD)



<b>M01</b>	4905	7-5	2000	Tue	025 642 642 30 30 == 73960 69180 44300 ... 82115 21079 69327 == 642 642 30 30 000	CW	(AB)
<b>M01</b>	5280	9-5	1800	Thu	025 121 121 30 30 == 64328 00979 96969 ... 99354 86057 13078 == 11 12 0000 Errors 29 groups sent	CW	(AB/MPJ)
<b>M01</b>	4905	9-5	2000	Thu	025 127 127 30 30 == 24874 62516 43294 ... 22870 64275 17048 = 127 127 330 30 000 Errors	CW	(AB)
<b>M01</b>	6435	11-5	1500	Sat	025 322 322 30 30 == 36616 07445 55657 ... 28983 22196 67570 == 322 322 30 30 000	CW	(MPJ)
<b>M01</b>	6780	12-5	0700	Sun	025 994 994 30 30 == = 96242 41369 09710 ... 02393 44636 91293 == = 994 994 30 30 000	CW	(AB)
<b>M01</b>	5280	14-5	1800	Tue	025 137 137 = 30 30 == 34605 16156 74803 ... 13679 98557 40132 == 137 137 = 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4905	14-5	2000	Tue	025 395 395 = 30 30 == 41513 54509 63006 ... 71017 49499 73746 == 395 395 = 30 30 000	CW	(AB)
<b>M01</b>	5280	16-5	1800	Thu	025 837 30 30 == = 20454 24042 44587 ... 65245 41229 34822 == = 837 837 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4905	16-5	2000	Thu	025 821 821 30 30 == = 38414 39489 79783 ... 39179 78924 07898 == = 821 821 30 30 000	CW	(AB)
<b>M01</b>	6435	18-5	1500	Sat	025 141 141 = 30 30 = 08458 (08457) 22186 65257 ... 64856 72982 72497 = = 141 141 = 30 30 000. Errors	CW	(AB/MPJ)
<b>M01</b>	6780	19-5	0700	Sun	025 397 397 30 30 == 46782 65285 60837 ... 33217 33400 20823 = = 397 397 30 30 000	CW	(AB)
<b>M01</b>	5280	21-5	1800	Tue	025 217 217 30 30 == 26022 61853 50880 ... 23501 20735 70984 21721 73030 000 (as sent)	CW	(AB/MPJ)
<b>M01</b>	4905	21-5	2000	Tue	025 211 211 30 30 // 44159 68353 81170 ... 41617 90572 71305 // 211 211 30 30 000	CW	(AB)
<b>M01</b>	5280	23-5	1800	Thu	025 303 303 30 30 == 87231 53816 81471 ... 60988 43167 13981 = = 303 303 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4905	23-5	2000	Thu	025 845 845 30 30 == 17863 72003 79821 ... 67665 33268 83515 = = 845 845 30 30 000	CW	(AB)
<b>M01</b>	6435	25-5	1500	Sat	025 219 219 30 30 == 80490 60653 90916 ... 17544 60578 99676 = = 219 219 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5280	28-5	1800	Tue	025 169 169 30 30 == = 47458 03268 85967 ... 92186 97530 54859 == = 169 169 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4905	28-5	2000	Tue	025 147 147 30 30 == = 71568 43221 67466 ... 15769 63070 32688 == = 147 147 30 30 000	CW	(AB)
<b>M01</b>	5280	30-5	1800	Thu	025 453 453 30 30 == 66941 99850 79248 ... 29173 56336 30739 = = 453 453 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4905	30-5	2000	Thu	025 901 901 30 30 == 94353 16747 14184 ... 98678 37566 63689 = = 901 901 30 30 000	CW	(AB)
<b>M01b</b>	5095	2-5	1832	Thu	815 157 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5760	MCW	(HFD)
<b>M01b</b>	5760	2-5	1832	Thu	815 157 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5095	MCW	(HFD)
<b>M01b</b>	5760	2-5	1838	Thu	i.p. 97261 61184 92412 ... 84206 53323 51907 = = 157 157 31 31 000	MCW	(MPJ)
<b>M01b</b>	5065	2-5	1940	Thu	477 157 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5805	MCW	(HFD)
<b>M01b</b>	5065	2-5	1940	Thu	936 157 157 31 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5805 kHz	MCW	(MPJ)
<b>M01b</b>	5805	2-5	1940	Thu	477 157 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5065	MCW	(HFD)
<b>M01b</b>	5805	2-5	1940	Thu	936 157 157 31 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5065 kHz	MCW	(MPJ)
<b>M01b</b>	5075	3-5	1902	Fri	336 157 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000 //5465	MCW	(HFD)

<b>M01b</b>	5075	3-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5465 kHz	MCW	(MPJ)
<b>M01b</b>	5465	3-5	1902	Fri	336 157 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5075	MCW	(HFD)
<b>M01b</b>	5465	3-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5075 kHz	MCW	(MPJ)
<b>M01b</b>	4895	3-5	2009	Fri	467 157 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5340	MCW	(HFD)
<b>M01b</b>	5340	3-5	2009	Fri	467 157 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //4895	MCW	(HFD)
<b>M01b</b>	5125	6-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5735 kHz	MCW	(MPJ/HFD)
<b>M01b</b>	5735	6-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5125 kHz	MCW	(MPJ/HFD)
<b>M01b</b>	5150	6-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5475	MCW	(HFD)
<b>M01b</b>	5475	6-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5150	MCW	(AB/MPJ/HFD)
<b>M01b</b>	5075	10-5	1903	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5465 kHz	CW	(MPJ)
<b>M01b</b>	5465	10-5	1903	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5075 kHz	CW	(MPJ)
<b>M01b</b>	4895	10-5	2010	Fri	467 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5340 kHz	CW	(AB)
<b>M01b</b>	5340	10-5	2010	Fri	467 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //4895 kHz	CW	(AB)
<b>M01b</b>	5125	13-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5735 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5735	13-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5125 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5150	13-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5475 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5475	13-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5150 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5095	16-5	1830	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5760 kHz	MCW	(AB-POL/MPJ)
<b>M01b</b>	5760	16-5	1830	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5095 kHz	MCW	(AB-POL/MPJ)
<b>M01b</b>	5065	16-5	1940	Thu	936 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5805 kHz	MCW	(AB-POL)
<b>M01b</b>	5805	16-5	1940	Thu	936 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000 //5065 kHz	MCW	(AB-POL)
<b>M01b</b>	5075	17-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	CW	(MPJ)

					//5465 kHz			
<b>M01b</b>	5465	17-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	CW		(MPJ)
					//5075 kHz			
<b>M01b</b>	5125	20-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB-FIN/MPJ)
					//5735 kHz			
<b>M01b</b>	5735	20-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB-FIN/MPJ)
					//5125 kHz			
<b>M01b</b>	5150	20-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB-FIN/MPJ)
					//5475 kHz			
<b>M01b</b>	5475	20-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB-FIN/MPJ)
					//5150 kHz			
<b>M01b</b>	5095	23-5	1830	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5760 kHz			
<b>M01b</b>	5760	23-5	1830	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5095 kHz			
<b>M01b</b>	5065	23-5	1940	Thu	936 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB)
					//5805 kHz			
<b>M01b</b>	5805	23-5	1940	Thu	936 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB)
					//5065 kHz			
<b>M01b</b>	5075	24-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	CW		(MPJ)
					//5465 kHz			
<b>M01b</b>	5465	24-5	1902	Fri	336 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	CW		(MPJ)
					//5075 kHz			
<b>M01b</b>	4895	24-5	2010	Fri	467 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB)
					//5340 kHz			
<b>M01b</b>	5340	24-5	2010	Fri	467 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB)
					//4895 kHz			
<b>M01b</b>	5125	27-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5735 kHz			
<b>M01b</b>	5735	27-5	1810	Mon	364 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5125 kHz			
<b>M01b</b>	5150	27-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5475 kHz			
<b>M01b</b>	5475	27-5	1915	Mon	858 157 157 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5150 kHz			
<b>M01b</b>	5760	30-5	1830	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5095 kHz			
<b>M01b</b>	5095	30-5	1832	Thu	815 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(MPJ)
					//5760 kHz			
<b>M01b</b>	5065	30-5	1940	Thu	936 157 157 = 31 31 == 04381 35035 53986 ... 84206 53323 51907 == 157 157 31 31 000	MCW		(AB)



					//5805 kHz			
<b>M01b</b>	5805	30-5	1940	Thu	936 157 157 = 31 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000	MCW		(AB)
					//5065 kHz			
<b>M01b</b>	5075	31-5	1902	Fri	336 157 157 31 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000	CW		(MPJ)
					//5465 kHz			
<b>M01b</b>	5465	31-5	1902	Fri	336 157 157 31 31 = = 04381 35035 53986 ... 84206 53323 51907 = = 157 157 31 31 000	CW		(MPJ)
					//5075 kHz			
<b>M12</b>	12187	1-5	1210	Wed	192 192 192 000	CW		(AB)
<b>M12</b>	10987	1-5	1230	Wed	192 192 192 000	CW		(AB)
<b>M12</b>	17451	1-5	1400	Wed	494 494 494 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW		(AB-RUS/MPJ-RUS/HFD-QAT)
<b>M12</b>	15951	1-5	1420	Wed	494 494 494 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW		(AB-RUS/MPJ-RUS/HFD-QAT)
<b>M12</b>	14451	1-5	1440	Wed	494 494 494 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW		(AB-RUS/MPJ-RUS/HFD-QAT)
<b>M12</b>	12162	1-5	1710	Wed	546 546 546 1 2048 105 2048 105 51598 57819 40800 ... 14230 39729 71277 000 000	CW		(AB/MPJ)
<b>M12</b>	11566	1-5	1713	Wed	546 546 546 1 2048 105 2048 105 51598 57819 40800 ... 14230 39729 71277 000 000	CW		(AB/MPJ)
<b>M12</b>	10711	1-5	1750	Wed	546 546 546 1 2048 105 2048 105 51598 57819 40800 ... 14230 39729 71277 000 000	CW		(AB/MPJ)
<b>M12</b>	16194	1-5	1950	Wed	173 173 173 000	CW		(AB-RUS/RL)
<b>M12</b>	14794	1-5	2010	Wed	173 173 173 000	CW		(AB-RUS)
<b>M12</b>	12162	2-5	1700	Thu	546 546 546 1 1796 106 1796 106 55111 56023 67929 ... 09811 64737 47721 000 000	CW		(AB/MPJ)
<b>M12</b>	11566	2-5	1720	Thu	546 546 546 1 1796 106 1796 106 55111 56023 67929 ... 09811 64737 47721 000 000	CW		(AB/MPJ)
<b>M12</b>	10711	2-5	1740	Thu	546 546 546 1 1796 106 1796 106 55111 56023 67929 ... 09811 64737 47721 000 000	CW		(AB/MPJ)
<b>M12</b>	13381	2-5	2110	Thu	317 317 317 000	CW		(RL)
<b>M12</b>	12181	2-5	2130	Thu	317 317 317 000	CW		(RL)
<b>M12</b>	12187	3-5	1210	Fri	192 192 192 000	CW		(AB/MPJ/HFD)
<b>M12</b>	10987	3-5	1230	Fri	192 192 192 000	CW		(AB/MPJ/GFD)
<b>M12</b>	16194	3-5	1950	Fri	173 173 173 000	CW		(HFD)
<b>M12</b>	14794	3-5	2010	Fri	173 173 173 000	CW		(HFD)
<b>M12</b>	8047	4-5	2000	Sat	463 463 463 1 2028 92 2028 92 00244 05209 46979 ... 75659 10298 67786 000 000	CW		(AB)
<b>M12</b>	6802	4-5	2020	Sat	463 463 463 1 2028 92 2028 92 00244 05209 46979 ... 75659 10298 67786 000 000	CW		(AB)
<b>M12</b>	5788	4-5	2040	Sat	463 463 463 1 2028 92 2028 92 00244 05209 46979 ... 75659 10298 67786 000 000	CW		(AB)
<b>M12</b>	10843	4-5	2100	Sat	822 822 822 1 145 20 145 20 23424 49933 81802 ... 73620 27850 54030 000 000	CW		(AB/HFD)
<b>M12</b>	10243	4-5	2120	Sat	822 822 822 1 145 20 145 20 23424 49933 81802 ... 73620 27850 54030 000 000	CW		(AB/HFD)
<b>M12</b>	9243	4-5	2140	Sat	822 822 822 1 145 20 145 20 23424 49933 81802 ... 73620 27850 54030 000 000	CW		(AB/HFD)
<b>M12</b>	10183	4-5	2210	Sat	199 1 ...	CW		(HFD)
<b>M12</b>	9083	4-5	2230	Sat	199 1 ...	CW		(HFD)
<b>M12</b>	8083	4-5	2250	Sat	199 1 ...	CW		(HFD)
<b>M12</b>	17451	6-5	1400	Mon	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW		(AB-RUS/MPJ)
<b>M12</b>	15951	6-5	1420	Mon	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW		(AB-RUS/MPJ)

M12	14451	6-5	1440	Mon	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW	(AB/MPJ)
M12	11435	6-5	1710	Mon	938 938 938 1 1790 106 1790 106 28443 17768 71523 ... 43551 98960 99817 000 000	CW	(AB/MPJ)
M12	10598	6-5	1730	Mon	938 938 938 1 1790 106 1790 106 28443 17768 71523 ... 43551 98960 99817 000 000	CW	(AB/MPJ)
M12	9327	6-5	1750	Mon	938 938 938 1 1790 106 1790 106 28443 17768 71523 ... 43551 98960 99817 000 000	CW	(AB/MPJ)
M12	8047	6-5	1800	Mon	463 463 463 1 5020 93 5020 93 70272 88795 60428 ... 16450 59917 77711 000 000	CW	(AB/MPJ)
M12	6802	6-5	1820	Mon	463 463 463 1 5020 93 5020 93 70272 88795 60428 ... 16450 59917 77711 000 000	CW	(AB/MPJ)
M12	5788	6-5	1840	Mon	463 463 463 1 5020 93 5020 93 70272 88795 60428 ... 16450 59917 77711 000 000	CW	(AB/MPJ)
M12	10343	6-5	2000	Mon	124 124 124 1 6811 107 6811 107 63993 02947 61607 ... 29596 72062 14670 000 000	CW	(AB/RL/HFD)
M12	9264	6-5	2020	Mon	124 124 124 1 6811 107 6811 107 63993 02947 61607 ... 29596 72062 14670 000 000	CW	(AB/RL/HFD)
M12	8116	6-5	2040	Mon	124 124 124 1 6811 107 6811 107 63993 02947 61607 ... 29596 72062 14670 000 000	CW	(AB/RL/HFD)
M12	13381	6-5	2110	Mon	317 317 317 000	CW	(AB/RL/HFD)
M12	12181	6-5	2130	Mon	317 317 317 000	CW	(AB/RL/HFD)
M12	13423	7-5	0700	Tue	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS)
M12	12123	7-5	0720	Tue	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS)
M12	11123	7-5	0740	Tue	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS)
M12	11435	7-5	1800	Tue	938 938 938 1 3517 106 3517 106 22317 83879 56432 ... 75614 54492 74050 000 000	CW	(AB/MPJ)
M12	10598	7-5	1820	Tue	938 938 938 1 3517 106 3517 106 22317 83879 56432 ... 75614 54492 74050 000 000	CW	(AB/MPJ)
M12	9327	7-5	1840	Tue	938 938 938 1 3517 106 3517 106 22317 83879 56432 ... 75614 54492 74050 000 000	CW	(AB/MPJ)
M12	11123	8-5	0740	Wed	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(HFD-J)
M12	12187	8-5	1210	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB/MPJ)
M12	10987	8-5	1230	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB/MPJ)
M12	9287	8-5	1250	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB/MPJ)
M12	17451	8-5	1400	Wed	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW	(MPJ)
M12	15951	8-5	1420	Wed	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW	(MPJ)
M12	14451	8-5	1440	Wed	494 494 494 1 9793 67 9793 67 73007 02891 52749 ... 91068 07175 23693 000 000	CW	(AB/MPJ)
M12	12162	8-5	1710	Wed	546 546 546 1 4639 109 4639 109 39478 74187 78840 ... 35091 42743 25498 000 000	CW	(AB/MPJ)
M12	11566	8-5	1713	Wed	546 546 546 1 4639 109 4639 109 39478 74187 78840 ... 35091 42743 25498 000 000	CW	(AB/MPJ)
M12	10711	8-5	1750	Wed	546 546 546 1 4639 109 4639 109 39478 74187 78840 ... 35091 42743 25498 000 000	CW	(AB/MPJ)
M12	16194	8-5	1950	Wed	173 173 173 000	CW	(AB)
M12	14794	8-5	2010	Wed	173 173 173 000	CW	(AB/RL)
M12	10183	8-5	2210	Wed	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB/RL)
M12	9083	8-5	2230	Wed	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB)
M12	8083	8-5	2250	Wed	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB)
M12	13423	9-5	0700	Thu	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS/HFD-J)
M12	12123	9-5	0720	Thu	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS/HFD-J)
M12	11123	9-5	0740	Thu	411 411 411 1 433 26 433 26 36845 10337 61225 ... 67877 62272 83401 000 000	CW	(AB-RUS)
M12	12162	9-5	1700	Thu	546 546 546 1 2189 109 2189 109 38255 75206 16179 ... 84048 40829 31541 000 000	CW	(AB/MPJ)
M12	11566	9-5	1720	Thu	546 546 546 1 2189 109 2189 109 38255 75206 16179 ... 84048 40829 31541 000 000	CW	(AB/MPJ)
M12	10711	9-5	1740	Thu	546 546 546 1 2189 109 2189 109 38255 75206 16179 ... 84048 40829 31541 000 000	CW	(AB/MPJ)
M12	12187	10-5	1210	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB)

M12	10987	10-5	1230	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB)
M12	9287	10-5	1250	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ... 71471 60265 24480 000 000	CW	(AB)
M12	16194	10-5	1950	Fri	173 173 173 000	CW	(AB)
M12	14794	10-5	2010	Fri	173 173 173 000	CW	(AB)
M12	10843	10-5	2100	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	10243	10-5	2120	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	9243	10-5	2140	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	8047	11-5	2000	Sat	463 463 463 1 1572 91 1572 91 32238 48284 56726 ... 14971 70971 97187 000 000	CW	(AB)
M12	6802	11-5	2020	Sat	463 463 463 1 1572 91 1572 91 32238 48284 56726 ... 14971 70971 97187 000 000	CW	(AB)
M12	5788	11-5	2040	Sat	463 463 463 1 1572 91 1572 91 32238 48284 56726 ... 14971 70971 97187 000 000	CW	(AB)
M12	10843	11-5	2100	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	10243	11-5	2120	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	9243	11-5	2140	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ... 42575 74504 91971 000 0000	CW	(AB)
M12	10183	11-5	2210	Sat	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB)
M12	9083	11-5	2230	Sat	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB)
M12	8083	11-5	2250	Sat	199 199 199 1 271 20 271 20 90735 33283 41568 ... 24792 15617 68310 000 000	CW	(AB)
M12	17451	13-5	1400	Mon	494 494 494 000	CW	(AB/MPJ)
M12	15951	13-5	1420	Mon	494 494 494 000	CW	(AB/MPJ)
M12	11435	13-5	1710	Mon	938 938 938 1 5464 110 5464 110 21116 33547 32544 ... 83258 11790 02400 000 000	CW	(AB/MPJ)
M12	10598	13-5	1730	Mon	938 938 938 1 5464 110 5464 110 21116 33547 32544 ... 83258 11790 02400 000 000	CW	(AB/MPJ)
M12	9327	13-5	1750	Mon	938 938 938 1 5464 110 5464 110 21116 33547 32544 ... 83258 11790 02400 000 000	CW	(AB/MPJ)
M12	8047	13-5	1800	Mon	463 463 462 1 3116 99 3116 99 59989 00748 03687 ... 52258 19841 20087 000 000	CW	(AB/MPJ/HFD)
M12	6802	13-5	1820	Mon	463 463 462 1 3116 99 3116 99 59989 00748 03687 ... 52258 19841 20087 000 000	CW	(AB/MPJ/HFD)
M12	5788	13-5	1840	Mon	463 463 462 1 3116 99 3116 99 59989 00748 03687 ... 52258 19841 20087 000 000	CW	(AB/MPJ/HFD)
M12	10343	13-5	2000	Mon	124 124 124 1 2268 108 2268 108 36381 66787 36140 ... 06518 05458 51078 000 000	CW	(AB)
M12	9264	13-5	2020	Mon	124 124 124 1 2268 108 2268 108 36381 66787 36140 ... 06518 05458 51078 000 000	CW	(AB)
M12	8116	13-5	2040	Mon	124 124 124 1 2268 108 2268 108 36381 66787 36140 ... 06518 05458 51078 000 000	CW	(AB)
M12	13381	13-5	2110	Mon	317 317 317 000	CW	(AB)
M12	12181	13-5	2130	Mon	317 317 317 000	CW	(AB)
M12	9317	14-5	0530	Tue	135 135 135 1 1015 105 1015 105 61981 49701 83742 ... 16859 16286 52439 000 000	CW	(AB)
M12	10484	14-5	0550	Tue	135 135 135 1 1015 105 1015 105 61981 49701 83742 ... 16859 16286 52439 000 000	CW	(AB)
M12	11552	14-5	0610	Tue	135 135 135 1 1015 105 1015 105 61981 49701 83742 ... 16859 16286 52439 000 000	CW	(AB)
M12	13423	14-5	0700	Tue	411 411 411 1 6980 84 6980 84 53420 11190 51886 ... 87858 64763 16919 000 000	CW	(AB-J)
M12	12123	14-5	0720	Tue	411 411 411 1 6980 84 6980 84 53420 11190 51886 ... 87858 64763 16919 000 000	CW	(AB-J)
M12	11123	14-5	0740	Tue	411 411 411 1 6980 84 6980 84 53420 11190 51886 ... 87858 64763 16919 000 000	CW	(AB-J)
M12	11435	14-5	1800	Tue	938 938 938 1 93736 1671 111 1671 111 53440 80179 07820 ... 66801 62102 29396 000 000	CW	(AB/MPJ)
M12	10598	14-5	1820	Tue	938 938 938 1 93736 1671 111 1671 111 53440 80179 07820 ... 66801 62102 29396 000 000	CW	(AB/MPJ)
M12	9327	14-5	1840	Tue	938 938 938 1 93736 1671 111 1671 111 53440 80179 07820 ... 66801 62102 29396 000	CW	(AB/MPJ)

000												
M12	12187	15-5	1210	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB/MPJ)				
M12	10987	15-5	1230	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB/MPJ)				
M12	9287	15-5	1250	Wed	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB/MPJ)				
M12	17451	15-5	1400	Wed	494 494 494 000		CW	(AB/MPJ)				
M12	15951	15-5	1420	Wed	494 494 494 000		CW	(AB/MPJ)				
M12	12162	15-5	1710	Wed	546 546 546 1 5622 105 5622 105 42005 77546 91167 ...	47009 14957 83774 000 000	CW	(AB/MPJ)				
M12	11566	15-5	1713	Wed	546 546 546 1 5622 105 5622 105 42005 77546 91167 ...	47009 14957 83774 000 000	CW	(AB/MPJ)				
M12	10711	15-5	1750	Wed	546 546 546 1 5622 105 5622 105 42005 77546 91167 ...	47009 14957 83774 000 000	CW	(AB/MPJ)				
M12	16194	15-5	1950	Wed	173 173 173 000		CW	(AB/RL)				
M12	14794	15-5	2010	Wed	173 173 173 000		CW	(AB/RL)				
M12	10183	15-5	2210	Wed	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	9083	15-5	2230	Wed	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	8083	15-5	2250	Wed	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	13423	16-5	0700	Thu	411 411 411 1 6980 84 6980 84 53420 11190 51886 ...	87858 64763 16919 000 000	CW	(AB-J)				
M12	12123	16-5	0720	Thu	411 411 411 1 6980 84 6980 84 53420 11190 51886 ...	87858 64763 16919 000 000	CW	(AB-J)				
M12	11123	16-5	0740	Thu	411 411 411 1 6980 84 6980 84 53420 11190 51886 ...	87858 64763 16919 000 000	CW	(AB-J)				
M12	12162	16-5	1700	Thu	546 546 546 1 8287 112 8287 112 93268 94733 23937 ...	17754 42969 43229 000 000	CW	(AB/MPJ)				
M12	11566	16-5	1720	Thu	546 546 546 1 8287 112 8287 112 93268 94733 23937 ...	17754 42969 43229 000 000	CW	(AB/MPJ)				
M12	10711	16-5	1740	Thu	546 546 546 1 8287 112 8287 112 93268 94733 23937 ...	17754 42969 43229 000 000	CW	(AB/MPJ)				
M12	13381	16-5	2110	Thu	317 317 317 000		CW	(AB/RL)				
M12	12181	16-5	2130	Thu	317 317 317 000		CW	(AB/RL)				
M12	12187	17-5	1210	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB)				
M12	10987	17-5	1230	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB)				
M12	9287	17-5	1250	Fri	192 192 192 1 9941 14 9941 14 47826 37640 61604 ...	71471 60265 24480 000 000	CW	(AB)				
M12	16194	17-5	1950	Fri	173 173 173 000		CW	(AB/RL)				
M12	14794	17-5	2010	Fri	173 173 173 000		CW	(AB/RL)				
M12	10843	17-5	2100	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	10243	17-5	2120	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	9243	17-5	2140	Fri	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	8047	18-5	2000	Sat	463 463 463 1 4216 94 4216 94 38267 47646 99225 ...	05386 24567 27563 000 000	CW	(AB)				
M12	6802	18-5	2020	Sat	463 463 463 1 4216 94 4216 94 38267 47646 99225 ...	05386 24567 27563 000 000	CW	(AB)				
M12	5788	18-5	2040	Sat	463 463 463 1 4216 94 4216 94 38267 47646 99225 ...	05386 24567 27563 000 000	CW	(AB)				
M12	10843	18-5	2100	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	10243	18-5	2120	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	9243	18-5	2140	Sat	822 822 822 1 8718 67 8718 67 23476 92955 47729 ...	42575 74504 91971 000 0000	CW	(AB/RL)				
M12	10183	18-5	2210	Sat	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	9083	18-5	2230	Sat	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	8083	18-5	2250	Sat	199 199 199 1 405 26 405 26 56293 30072 88540 ...	06075 40830 21338 000 000	CW	(AB/RL)				
M12	17451	20-5	1400	Mon	494 494 494 1 9567 18 9567 18 71724 80433 17103 ...	12220 39456 65707 000 000	CW	(AB/MPJ)				

M12	15951	20-5	1420	Mon	494 494 494 1 9567 18 9567 18 71724 80433 17103 ... 12220 39456 65707 000 000	CW	(AB/MPJ/RL)
M12	14451	20-5	1440	Mon	494 494 494 1 9567 18 9567 18 71724 80433 17103 ... 12220 39456 65707 000 000	CW	(AB/MPJ)
M12	11435	20-5	1710	Mon	938 938 938 1 1786 107 1786 107 11304 49693 41020 ... 12307 98544 31997 000 000	CW	(AB/MPJ)
M12	10598	20-5	1730	Mon	938 938 938 1 1786 107 1786 107 11304 49693 41020 ... 12307 98544 31997 000 000	CW	(AB/MPJ)
M12	9327	20-5	1750	Mon	938 938 938 1 1786 107 1786 107 11304 49693 41020 ... 12307 98544 31997 000 000	CW	(AB/MPJ)
M12	8047	20-5	1800	Mon	463 463 463 1 2483 99 2483 99 29476 86615 12435 ... 39262 7384 83390 000 000	CW	(AB/MPJ)
M12	6802	20-5	1820	Mon	463 463 463 1 2483 99 2483 99 29476 86615 12435 ... 39262 7384 83390 000 000	CW	(AB/MPJ)
M12	5788	20-5	1840	Mon	463 463 463 1 2483 99 2483 99 29476 86615 12435 ... 39262 7384 83390 000 000	CW	(AB/MPJ)
M12	10343	20-5	2000	Mon	124 124 124 1 8628 105 8628 105 04596 08046 02384 ... 68317 43337 79316 000 000	CW	(AB)
M12	9264	20-5	2020	Mon	124 124 124 1 8628 105 8628 105 04596 08046 02384 ... 68317 43337 79316 000 000	CW	(AB/RL)
M12	8116	20-5	2040	Mon	124 124 124 1 8628 105 8628 105 04596 08046 02384 ... 68317 43337 79316 000 000	CW	(AB/RL)
M12	13381	20-5	2110	Mon	317 317 317 000	CW	(AB/RL)
M12	12181	20-5	2130	Mon	317 317 317 000	CW	(AB/RL)
M12	13423	21-5	0700	Tue	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	12123	21-5	0720	Tue	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	11123	21-5	0740	Tue	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	11435	21-5	1800	Tue	938 938 938 1 3937 107 3937 107 77856 43510 00262 ... 68271 83693 75473 000 000	CW	(AB/MPJ)
M12	10598	21-5	1820	Tue	938 938 938 1 3937 107 3937 107 77856 43510 00262 ... 68271 83693 75473 000 000	CW	(AB/MPJ)
M12	9327	21-5	1840	Tue	938 938 938 1 3937 107 3937 107 77856 43510 00262 ... 68271 83693 75473 000 000	CW	(AB/MPJ)
M12	12187	22-5	1210	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	10987	22-5	1230	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	9287	22-5	1250	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	17451	22-5	1400	Wed	494 494 494 1 9567 18 9567 18 71724 80433 17103 ... 12220 39456 65707 000 000	CW	(AB/MPJ)
M12	15951	22-5	1420	Wed	494 494 494 1 9567 18 9567 18 71724 80433 17103 ... 12220 39456 65707 000 000	CW	(AB/MPJ)
M12	14451	22-5	1440	Wed	494 494 494 1 9567 18 9567 18 71724 80433 17103 ... 12220 39456 65707 000 000	CW	(AB/MPJ)
M12	12162	22-5	1700	Wed	546 546 546 1 6495 106 6495 106 94515 81111 65049 ... 51442 38524 95905 000 000	CW	(AB/MPJ)
M12	11566	22-5	1720	Wed	546 546 546 1 6495 106 6495 106 94515 81111 65049 ... 51442 38524 95905 000 000	CW	(AB/MPJ)
M12	10711	22-5	1740	Wed	546 546 546 1 6495 106 6495 106 94515 81111 65049 ... 51442 38524 95905 000 000	CW	(AB/MPJ)
M12	16194	22-5	1950	Wed	173 173 173 000	CW	(AB/RL)
M12	14794	22-5	2010	Wed	173 173 173 000	CW	(AB/RL)
M12	10183	22-5	2210	Wed	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(AB/RL)
M12	9083	22-5	2230	Wed	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(AB/RL)
M12	8083	22-5	2250	Wed	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(AB/RL)
M12	13423	23-5	0700	Thu	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	12123	23-5	0720	Thu	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	11123	23-5	0740	Thu	411 411 411 1 3933 78 3933 78 90978 27285 38476 ... 59813 88062 22835 000 000	CW	(AB-RUS)
M12	12162	23-5	1700	Thu	546 546 546 1 6872 110 6872 110 17540 49492 58163 ... 29566 06930 89509 000 000	CW	(AB/MPJ)
M12	11566	23-5	1720	Thu	546 546 546 1 6872 110 6872 110 17540 49492 58163 ... 29566 06930 89509 000 000	CW	(AB/MPJ)
M12	10711	23-5	1740	Thu	546 546 546 1 6872 110 6872 110 17540 49492 58163 ... 29566 06930 89509 000 000	CW	(AB/MPJ)
M12	12162	23-5	1800	Thu	546 546 546 1 489 67 489 67 02111 57061 14332 ... 52394 90809 13524 000 000	CW	(AB/MPJ)



M12	11566	23-5	1820	Thu	546 546 546 1 489 67 489 67 02111 57061 14332 ... 52394 90809 13524 000 000	CW	(AB/MPJ)
M12	10711	23-5	1840	Thu	546 546 546 1 489 67 489 67 02111 57061 14332 ... 52394 90809 13524 000 000	CW	(AB/MPJ)
M12	13381	23-5	2110	Thu	317 317 317 000	CW	(AB/RL)
M12	12181	23-5	2130	Thu	317 317 317 000	CW	(AB/RL)
M12	12187	24-5	1210	Fri	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	10987	24-5	1230	Fri	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	9287	24-5	1250	Fri	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(AB/MPJ)
M12	16194	24-5	1950	Fri	173 173 173 000	CW	(AB/RL)
M12	14794	24-5	2010	Fri	173 173 173 000	CW	(AB/RL)
M12	10843	24-5	2100	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
M12	10243	24-5	2120	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
M12	9243	24-5	2140	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB)
M12	8047	25-5	2000	Sat	463 463 463 1 2282 98 2282 98 48691 82969 96610 ... 01794 27114 06737 00 000	CW	(AB/RL)
M12	6802	25-5	2020	Sat	463 463 463 1 2282 98 2282 98 48691 82969 96610 ... 01794 27114 06737 00 000	CW	(AB)
M12	5788	25-5	2040	Sat	463 463 463 1 2282 98 2282 98 48691 82969 96610 ... 01794 27114 06737 00 000	CW	(AB)
M12	10843	25-5	2100	Sat	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB)
M12	10243	25-5	2120	Sat	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
M12	9243	25-5	2140	Sat	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB)
M12	10183	25-5	2210	Sat	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(RL)
M12	9083	25-5	2230	Sat	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(RL)
M12	8083	25-5	2250	Sat	199 199 199 1 8490 90 8490 90 30200 66838 80936 ... 00040 43600 84388 000 000	CW	(RL)
M12	17451	27-5	1400	Mon	494 494 494 000	CW	(MPJ)
M12	15951	27-5	1420	Mon	494 494 494 000	CW	(MPJ)
M12	11435	27-5	1710	Mon	938 938 938 1 3607 109 9607 109 11347 50265 28395 ... 44251 79575 31467 000 000	CW	(AB/MPJ)
M12	10598	27-5	1730	Mon	938 938 938 1 3607 109 9607 109 11347 50265 28395 ... 44251 79575 31467 000 000	CW	(AB/MPJ)
M12	9327	27-5	1750	Mon	938 938 938 1 3607 109 9607 109 11347 50265 28395 ... 44251 79575 31467 000 000	CW	(AB/MPJ)
M12	8047	27-5	1800	Mon	463 463 463 1 8014 95 8014 95 48497 08615 22944 ... 97294 72694 64418 000 000	CW	(AB/MPJ)
M12	6802	27-5	1820	Mon	463 463 463 1 8014 95 8014 95 48497 08615 22944 ... 97294 72694 64418 000 000	CW	(AB/MPJ)
M12	5788	27-5	1840	Mon	463 463 463 1 8014 95 8014 95 48497 08615 22944 ... 97294 72694 64418 000 000	CW	(AB/MPJ)
M12	10343	27-5	2000	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(RL)
M12	10343	27-5	2000	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(AB/RL)
M12	9264	27-5	2020	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(RL)
M12	9264	27-5	2020	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(AB/RL)
M12	8116	27-5	2040	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(RL)
M12	8116	27-5	2040	Mon	124 124 124 1 6503 108 6503 108 33309 54564 01021 ... 99870 63729 77409 000 000	CW	(AB/RL)
M12	13381	27-5	2110	Mon	317 317 317 000	CW	(RL)
M12	12181	27-5	2130	Mon	317 317 317 000	CW	(RL)
M12	11435	28-5	1800	Tue	938 938 938 1 5294 110 5294 110 38960 70691 11672 ... 08522 41055 53199 000 000	CW	(AB/MPJ)
M12	10598	28-5	1820	Tue	938 938 938 1 5294 110 5294 110 38960 70691 11672 ... 08522 41055 53199 000 000	CW	(AB/MPJ)
M12	9327	28-5	1840	Tue	938 938 938 1 5294 110 5294 110 38960 70691 11672 ... 08522 41055 53199 000 000	CW	(AB/MPJ)

<b>M12</b>	12187	29-5	1210	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	10987	29-5	1230	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	9287	29-5	1250	Wed	192 192 192 1 181 33 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	17451	29-5	1400	Wed	494 494 494 000	CW	(MPJ)
<b>M12</b>	15951	29-5	1420	Wed	494 494 494 000	CW	(MPJ)
<b>M12</b>	12162	29-5	1710	Wed	546 546 546 1 8286 108 8286 108 95729 49388 90126 ... 49118 62243 20639 000 000	CW	(AB)
<b>M12</b>	11566	29-5	1730	Wed	546 546 546 1 8286 108 8286 108 95729 49388 90126 ... 49118 62243 20639 000 000	CW	(AB)
<b>M12</b>	10711	29-5	1750	Wed	546 546 546 1 8286 108 8286 108 95729 49388 90126 ... 49118 62243 20639 000 000	CW	(AB)
<b>M12</b>	16194	29-5	1950	Wed	173 173 173 000	CW	(AB)
<b>M12</b>	14794	29-5	2010	Wed	173 173 173 000	CW	(AB/RL)
<b>M12</b>	10183	29-5	2210	Wed	199 199 199 1 490 86 490 86 27129 05219 77381 88663...72242 60113 99225 13237 000 000	CW	(RL)
<b>M12</b>	9083	29-5	2230	Wed	199 199 199 1 490 86 490 86 27129 05219 77381 88663...72242 60113 99225 13237 000 000	CW	(RL)
<b>M12</b>	8083	29-5	2250	Wed	199 199 199 1 490 86 490 86 27129 05219 77381 88663...72242 60113 99225 13237 000 000	CW	(RL)
<b>M12</b>	12162	30-5	1700	Thu	546 546 546 1 5800 105 5800 105 60275 01186 32186 .. 89239 83164 71857 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	30-5	1720	Thu	546 546 546 1 5800 105 5800 105 60275 01186 32186 .. 89239 83164 71857 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	30-5	1740	Thu	546 546 546 1 5800 105 5800 105 60275 01186 32186 .. 89239 83164 71857 000 000	CW	(AB/MPJ)
<b>M12</b>	12162	30-5	1800	Thu	546 546 546 1 7573 109 7573 109 33227 92082 43889 .. 13493 07183 94817 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	30-5	1820	Thu	546 546 546 1 7573 109 7573 109 33227 92082 43889 .. 13493 07183 94817 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	30-5	1840	Thu	546 546 546 1 7573 109 7573 109 33227 92082 43889 .. 13493 07183 94817 000 000	CW	(AB/MPJ)
<b>M12</b>	13381	30-5	2110	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	12181	30-5	2130	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	12187	31-5	1210	Fri	192 1 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	10987	31-5	1230	Fri	192 1 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	9287	31-5	1250	Fri	192 1 181 33 81744 64633 37022 ... 91920 82806 54865 000 000	CW	(MPJ)
<b>M12</b>	16194	31-5	1950	Fri	173 173 173 000	CW	(AB/RL)
<b>M12</b>	14794	31-5	2010	Fri	173 173 173 000	CW	(AB/RL)
<b>M12</b>	10843	31-5	2100	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
<b>M12</b>	10243	31-5	2120	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
<b>M12</b>	9243	31-5	2140	Fri	822 822 822 1 105 33 105 33 87607 79413 72925 ... 12098 24346 16662 000 000	CW	(AB/RL)
<b>M14</b>	7605	3-5	1900	Fri	735 735 735 00000	MCW	(MPJ)
<b>M14</b>	4730	4-5	0800	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL/HFD-POL)
<b>M14</b>	4650	4-5	0900	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL/HFD-POL)
<b>M14</b>	7390	8-5	1504	Wed	725 725 725 00000	MCW	(MPJ)
<b>M14</b>	5242	10-5	0400	Fri	735 735 735 00000	CW	(F5JBR)
<b>M14</b>	16347	10-5	0930	Fri	Two messages: 617 583 583 49 49 = = 61862 90101 52788 ... 98038 12715 52301 = = 583 583 49 49 617 920 920 47 47 = = 29281 57907 79162 ... 50526 83495 29007 = = 920 920 47 47 00000	CW	(AB)

<b>M14</b>	4730	11-5	0800	Sat	523 146 11166 2 42 == 67134 76351 43728 ... 24378 27130 90456 == 146 146 42 42 00000. Errors	MCW	(AB-POL)
<b>M14</b>	4650	11-5	0900	Sat	523 142 142 42 42 == 89163 67352 90653 ... 90372 43785 99451 == 142 142 42 42 00000	MCW	(AB-POL)
<b>M14</b>	14878	11-5	0930	Sat	Two messages: 617 583 583 49 49 == 61862 90101 52788 ... 98038 12715 52301 == 583 583 49 49 617 920 920 47 47 == 29281 57907 79162 ... 50526 83495 29007 == 920 920 47 47 00000	CW	(AB/F5JBR)
<b>M14</b>	6856	14-5	1820	Tue	163 545 545 38 38 == 12345 56720 34569 ... 58392 95178 32060 == 545 545 38 38 00000	MCW	(AB/MPJ/HFD)
<b>M14</b>	5938	15-5	1920	Wed	417 545 545 38 38 == 12345 56720 34569 ... 58392 95178 32060 == 545 545 38 38 00000	MCW	(AB/HFD)
<b>M14</b>	7605	17-5	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
<b>M14</b>	7605	17-5	1904	Fri	test: 4827 48729 47260 52765 26599 07741 7539	MCW	(AB)
<b>M14</b>	7605	17-5	1907	Fri	test: A23 24456 30985	MCW	(AB)
<b>M14</b>	6876	17-5	2000	Fri	735 735 735 00000 switched to E06 voice at 2009 UTC: 111 111 111 00000	MCW	(AB)
<b>M14</b>	4730	18-5	0800	Sat	523 632 632 46 46 == 90635 25146 78456 ... 23454 23455 23456 == 632 6346 46 46 (no 00000 at the end)	MCW	(AB-FIN)
<b>M14</b>	4650	18-5	0900	Sat	523 632 632 46 46 == 90635 25146 78456 ... 23454 23455 23456 == 632 6346 46 46 (no 00000 at the end)	MCW	(AB-FIN)
<b>M14</b>	7390	22-5	1600	Wed	239	CW	(HFD)
<b>M14</b>	4730	25-5	0800	Sat	523 675 675 44 44 == 89765 70896 70890 ... 34571 34572 34573 == 675 675 44 44 (no zeros at the end)	MCW	(AB-RUS)
<b>M14</b>	4650	25-5	0900	Sat	523 675 675 44 44 == 89765 70896 70890 ... 34571 34572 34573 == 675 675 44 44 (no zeros at the end)	MCW	(AB-RUS)
<b>M14</b>	16347	25-5	0930	Sat	Two messages: 617 583 583 49 49 == 61862 90101 52788 ... 98038 12715 52301 == 583 583 49 49 617 920 920 47 47 == 29281 57907 79162 ... 50526 83495 29007 == 920 920 47 47 00000	CW	(AB)
<b>M14</b>	6856	28-5	1820	Tue	163 142 142 42 42 == 89163 67352 90653 ... 90372 43785 99451 == 142 142 42 42 00000	MCW	(AB/MPJ)
<b>M14</b>	5938	29-5	1920	Wed	417 142 142 42 42 == 89163 67352 90653 ... 90372 43785 99451 == 142 142 42 42 00000	MCW	(AB)
<b>M21</b>	6421.5	8-5	0753	Wed	=11832501955252 =991054??8???? =991055??8????	CW	(F5JBR)
<b>M21</b>	7249	10-5	0406	Fri	=990706??0???? =990707??0???? =990708??0????	CW	(F5JBR)
<b>M21</b>	4206	10-5	1610	Fri	=991910??8???? =991911??8???? =991912??8????	CW	(F5JBR)
<b>M21</b>	4791	10-5	1622	Fri	=991922??0???? =991923??0???? =991924??0????	CW	(F5JBR)
<b>M22</b>	4331	23-5	1658	Thu	VVV DE 4XZ 4XZ == QT9C NR 985 TO NR 385 QQL == NS7S NR 885 NL GR 02 == KD3E NR 785 GZ GR 91 == ... //6607 kHz	CW	(AB)
<b>M22</b>	6607	23-5	1658	Thu	VVV DE 4XZ 4XZ == QT9C NR 985 TO NR 385 QQL == NS7S NR 885 NL GR 02 == KD3E NR 785 GZ GR 91 == ... //4331 kHz	CW	(AB)
<b>M32</b>	17460	7-5	1117	Tue	XXX RDL 10584 91124 10584 91124 10584 91124 K	FSK CW	(AB)
<b>M32</b>	7845	15-5	1406	Wed	VVV VVV 4QKR DE 6CFZ K. VV 4QKR DE 6CFZ R K. R K	CW	(AB)
<b>M32a</b>	8191	16-5	1752	Thu	REO REO REO DE RMP RMP QTC 925 114 16 2015555 = WSEM SUDAM DEJSTWU ■ QIE PRIP KALININGRAD ...	CW	(AB)
<b>M32b</b>	8816	15-5	0614	Wed	rjc38 rjf94 de 54575 qto 0600 qrd XLAA XLMD qbd 0500 qre 0720 k	CW	(WP3)
<b>M32c</b>	10653.5	2-5	1047	Thu	XXX XXX 1ShchRF 1ShchRF 87610 SNIMKA 8465 5093 KROENSYJ 1979 0273 K	CW	(Gwr)



<b>M32c</b>	10653.5	2-5	1102	Thu	XXX XXX 1ShchRF 1ShchRF 45708 NRIZONSKIJ 0400 5074 K	CW	(Gwr)
<b>M32c</b>	7515.5	2-5	1228	Thu	XXX XXX 1ShchRF 1ShchRF 39940 LAGOLET 7205 8592 K	CW	(Gwr)
<b>M32c</b>	7515.5	2-5	1247	Thu	XXX XXX 1ShchRF 1ShchRF 03095 SNEGOCHAR 9762 7215 K	CW	(Gwr)
<b>M32c</b>	7515.5	2-5	1328	Thu	XXX XXX 1ShchRF 1ShchRF 96384 NIWHOKLYK 4407 1914 K	CW	(Gwr)
<b>M32c</b>	7515.5	2-5	1342	Thu	XXX XXX 1ShchRF 1ShchRF 66356 KORTODRAP 5768 4483 K	CW	(Gwr)
<b>M32c</b>	7515.5	3-5	1145	Fri	XXX XXX 1ShchRF 1ShchRF 05730 KLYuZOSRAM 7888 4543 K	CW	(Gwr)
<b>M32c</b>	5441	3-5	1154	Fri	XXX XXX RJV RJV 14289 KOSTOTREF 1685 6792 K	CW	(Gwr)
<b>M32c</b>	8029	4-5	0600	Sat	Russian Air Force. Bear-net. W-marker	CW	(WP3)
<b>M32c</b>	8029	4-5	0720	Sat	Russian Air Force. Bear-net. W-marker	CW	(AB)
<b>M32c</b>	8029	4-5	0740	Sat	Russian Air Force. Bear-net. W-marker	CW	(AB)
<b>M32c</b>	8029	4-5	0800	Sat	Russian Air Force. Bear-net. W-marker	CW	(AB)
<b>M32c</b>	8029	4-5	0820	Sat	Russian Air Force. Bear-net. W-marker	CW	(AB)
<b>M32c</b>	8029	4-5	0840	Sat	Russian Air Force. Bear-net. W-marker	CW	(AB)
<b>M32c</b>	7942	21-5	0805	Tue	REA4: XXX XXX 1QRF 1QRF 14971 TONALXNOSTX 9802 2536 TOKIJSKIJ 8373 5175	CW	(JU)
<b>M32c</b>	7942	21-5	0814	Tue	REA4: XXX XXX 1QRF 1QRF 62333 ZAWEQANXE 2971 1904	CW	(JU)
<b>M32c</b>	7942	21-5	0818	Tue	REA4: XXX XXX 1QRF 1QRF 78652 RASPRODAVA 9461 2495	CW	(JU)
<b>M32c</b>	7942	21-5	0821	Tue	REA4: XXX XXX 1QRF 1QRF 44715 KSENDZ 0998 3451	CW	(JU)
<b>M32c</b>	7942	21-5	0858	Tue	REA4: XXX XXX 1QRF 1QRF 84505 PUSKOBUND 4659 6388 SREZOWAK 8327 0875	CW	(JU)
<b>M32c</b>	7942	21-5	0917	Tue	REA4: XXX XXX MSK7 MSK7 70256 TAKSIDERIAe 1163 2273	CW	(JU)
<b>M32c</b>	7942	21-5	0945	Tue	REA4: XXX XXX MSK7 MSK7 8869. NEZAKONNYJ 8471 5386	CW	(JU)
<b>M41</b>	5037	6-5	1800	Mon	GPY1 GPY1 AR	CW	(F5JBR)
<b>M41</b>	7402	8-5	0732	Wed	G3ND G3ND G3ND G3ND G3ND G3ND AR	CW	(F5JBR)
<b>M42</b>	11154	8-5	0820	Wed	Russian Diplo/Intel.	MFSK	(AB)
<b>M42</b>	17434	8-5	1200	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	16234	8-5	1205	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	15834	8-5	1210	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	14934	8-5	1215	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	14434	8-5	1220	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	13434	8-5	1225	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	17434	8-5	1300	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	16234	8-5	1305	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	15834	8-5	1310	Wed	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)

							BPSK	
<b>M42</b>	14934	8-5	1315	Wed	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	14434	8-5	1320	Wed	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	13434	8-5	1325	Wed	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	17434	8-5	1400	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	16234	8-5	1405	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	15834	8-5	1410	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	14934	8-5	1415	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	14434	8-5	1420	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	13434	8-5	1425	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	17434	8-5	1500	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	16234	8-5	1505	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	15834	8-5	1510	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	14934	8-5	1515	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	14434	8-5	1520	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	13434	8-5	1525	Wed	Russian Intel. Exercise		5xMFSK-16/250Bd	(AB)
							BPSK	
<b>M42</b>	17434	9-5	1000	Thu	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	16234	9-5	1005	Thu	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	15834	9-5	1010	Thu	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	14934	9-5	1015	Thu	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)
							BPSK	
<b>M42</b>	14434	9-5	1020	Thu	Russian Intel. Exercise		8x62.5Bd QPSK/250Bd	(AB)

						BPSK	
M42	13434	9-5	1025	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	17434	9-5	1100	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	16234	9-5	1105	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	15834	9-5	1110	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	14934	9-5	1115	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	14434	9-5	1120	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	13434	9-5	1125	Thu	Russian Intel. Exercise	8x62.5Bd QPSK/250Bd	(AB)
						BPSK	
M42	17434	9-5	1200	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	16234	9-5	1205	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	15834	9-5	1210	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	14934	9-5	1215	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	14434	9-5	1220	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	13434	9-5	1225	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	17434	9-5	1300	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	16234	9-5	1305	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	15834	9-5	1310	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	14934	9-5	1315	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	14434	9-5	1320	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	13434	9-5	1325	Thu	Russian Intel. Exercise	5xMFSK-16/250Bd	(AB)
						BPSK	
M42	17434	9-5	1400	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)

M42	16234	9-5	1405	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	15834	9-5	1410	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	14934	9-5	1415	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	14434	9-5	1420	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	13434	9-5	1425	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	17434	9-5	1500	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	16234	9-5	1505	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	15834	9-5	1510	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	14934	9-5	1515	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	14434	9-5	1520	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	13434	9-5	1525	Thu	Russian Intel. Exercise	8x62.5Bd QPSK	(AB)
M42	13979	27-5	0620	Mon	Russian intelligence. Exercise traffic	5xMFSK-16/250Bd BPSK	(Danix)
M42	10467	27-5	1405	Mon	Russian intelligence. Exercise traffic	5xMFSK-16/250Bd BPSK	(Danix)
M42	13384	27-5	1500	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	12142	27-5	1505	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	11431	27-5	1510	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	10827	27-5	1515	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	10181	27-5	1520	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	9341	27-5	1525	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	12153	27-5	1600	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	11518	27-5	1605	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	11038	27-5	1610	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	10854	27-5	1615	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	10221	27-5	1620	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	9351	27-5	1625	Mon	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(Danix)
M42	13024	28-5	1400	Tue	Russian intelligence. Exercise traffic	5xMFSK-16/250Bd BPSK	(AB)
M42	12144	28-5	1410	Tue	Russian intelligence. Exercise traffic	5xMFSK-16/250Bd BPSK	(AB)
M42	13384	28-5	1500	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	12142	28-5	1505	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	11431	28-5	1510	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	10827	28-5	1515	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	10181	28-5	1520	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	9341	28-5	1525	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	10854	28-5	1615	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	10221	28-5	1620	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)
M42	9351	28-5	1625	Tue	Russian intelligence. Exercise traffic	8x62.5Bd QPSK	(AB)

<b>M42b</b>	7805	1-5	0804	Wed	de YP3M QTC1 K. NW 231 50 1 0730 8693 = 05150 10730 54215... K. R 513 0838 K NIL AR (QSX 8193 kHz)	CW	(F5JBR)
<b>M42b</b>	8193	1-5	0824	Wed	NCS wkg YP3M i.p. 8193 = 07025 80349 02606 66154 ... K. CFM NIL AR (QSX 7805 kHz)	CW	(F5JBR)
<b>M42b</b>	4983	5-5	0945	Sun	WL4I wkg BFRW. Ops chat in CW. Msg in FSK 50/500	CW	(F5JBR)
<b>M42b</b>	8134	8-5	0818	Wed	RchUA wkg GKNM: QSY 65632 QSO QTC1. Msg in FSK 50/500 (QSX 8120 kHz)	CW	(F5JBR)
<b>M42b</b>	6771	8-5	0858	Wed	L2RS wkg KE4T: QSY 53821 QSA NO SK	CW	(F5JBR)
<b>M42b</b>	7978	10-5	0508	Fri	YDEW wkg MJFQ: QSO QTC1 674 100 10 0509 5469 K R674 0522 K. QRU NIL SK (QSX 7708 kHz)	CW	(F5JBR)
<b>M51a</b>	6825	11-5	0714	Sat	FAV22: LEÃON Ni2/2 VITESSE 600 CLAIR CETTE ACTIVITÉ DIVERSIFIÉE IMPOSE DE DÉVELOPPER ... CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	3881	18-5	0615	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	18-5	0615	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	18-5	0700	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	18-5	0700	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	18-5	0820	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	18-5	0820	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	19-5	0650	Sun	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	19-5	0650	Sun	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	19-5	0700	Sun	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	19-5	0700	Sun	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	19-5	0820	Sun	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	19-5	0820	Sun	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	20-5	0647	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	20-5	0647	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	20-5	0830	Mon	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	20-5	0830	Mon	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	20-5	1130	Mon	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	20-5	1130	Mon	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	21-5	0800	Tue	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	21-5	0800	Tue	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	21-5	0830	Tue	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	21-5	0830	Tue	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	21-5	1130	Tue	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	21-5	1130	Tue	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	22-5	0830	Wed	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	22-5	0830	Wed	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	22-5	0914	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	22-5	0914	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	22-5	1130	Wed	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	22-5	1130	Wed	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)

<b>M51a</b>	3881	23-5	0640	Thu	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //6825 kHz	CW	(AB)
<b>M51a</b>	6825	23-5	0640	Thu	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 25 MAI (ASCENSION) //3881 kHz	CW	(AB)
<b>M51a</b>	3881	23-5	0830	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	23-5	0830	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	23-5	1130	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	23-5	1130	Thu	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	24-5	0830	Fri	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	24-5	0830	Fri	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	24-5	0940	Fri	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).	CW	(AB)
<b>M51a</b>	6825	24-5	0940	Fri	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).	CW	(AB)
<b>M51a</b>	3881	24-5	1130	Fri	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	24-5	1130	Fri	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	25-5	0520	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).	CW	(AB)
<b>M51a</b>	6825	25-5	0520	Sat	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION).	CW	(AB)
<b>M51a</b>	3881	25-5	0700	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	25-5	0700	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	25-5	0820	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	25-5	0820	Sat	VVV VVV DE FAV22 FAV22 FAV22 QLH 3881//6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	27-5	1835	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
<b>M51a</b>	6825	27-5	1835	Mon	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
<b>M51a</b>	3881	28-5	1348	Tue	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
<b>M51a</b>	6825	28-5	1348	Tue	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
<b>M51a</b>	3881	29-5	1630	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //6825 kHz	CW	(AB)
<b>M51a</b>	6825	29-5	1630	Wed	SVC ATTENTION: RZO F9TM MAINTENU JEUDI 30 MAI (ASCENSION). //3881 kHz	CW	(AB)
<b>M89</b>	4192	2-5	1255	Thu	V D72H (x3) DE 1HM4 (x2) //4489 sending 1HK4 vice 1HM4. New frequency for this round-slip. Previously on 4182 .	CW	(JPL)
<b>M89</b>	4489	2-5	1255	Thu	V D72H (x3) DE 1HK4 (x2) //4192 sending 1HM4 vie 1HK4.	CW	(JPL)
<b>M89</b>	3156	2-5	1300	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	2-5	1300	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	7602	6-5	1852	Mon	V DKG6 de 3A7D	CW	(MPJ)
<b>M89</b>	6913	6-5	746	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	6-5	746	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	5691	6-5	748	Mon	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
<b>M89</b>	4131	8-5	1657	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	4192	8-5	1700	Wed	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	8-5	1700	Wed	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
<b>M89</b>	3156	8-5	1702	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	8-5	1702	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4131	12-5	1846	Sun	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
<b>M89</b>	4886	12-5	1846	Sun	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)



M89	3156	12-5	1852	Sun	V 3JWV (x3) DE QH4P (x2)	CW	(JPL)
M89	4192	12-5	1853	Sun	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
M89	4489	12-5	1853	Sun	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
M89	3249.8	12-5	1858	Sun	61F2/G0P6 AR NR 004/EX 0809 = B1F2/G0P6 AR NR 004/EX 0809 = ... (moves to 3269.8)	CW	(JPL)
M89	3269.8	12-5	1858	Sun	E5P6/RTRM AR3 AR NR 006/EX 0815 = E5P6/JJQ3 AR ... (comes from 3249.8)	CW	(JPL)
M89	3549.8	12-5	1921	Sun	MSY SW WZSB SIT VVV (comes from 3249.8)	CW	(JPL)
M89	4321	12-5	1935	Sun	V 7TEF (x3) DE 8RVF (x2)	CW	(JPL)
M89	4321	13-5	1141	Mon	i.p. NN37 7TNU 67DT NU63 U736 TU7A N3AD ... AR K. ER R V EEEE R 34W 3131 K. ER HR NR 412 K. ER NIL SK GB	CW	(JPL)
M89	3156	13-5	1205	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	13-5	1205	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	13-5	635	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	13-5	635	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5691	13-5	652	Mon	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	4131	15-5	1530	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	15-5	1535	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	15-5	1535	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	15-5	1537	Wed	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
M89	4489	15-5	1537	Wed	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
M89	7602	20-5	1852	Mon	V DKG6 de 3A7D	CW	(MPJ)
M89	4131	22-5	1534	Wed	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4885	22-5	1534	Wed	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	3156	22-5	1536	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-5	1536	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	22-5	1538	Wed	V D72H (x3) DE 1HM4 (x2) 943U COMM = 23163/2507/0100/117NR/5413 C = 23163/2507/0100/117NR/5423 AR //4489 sends different round slip	CW	(JPL)
M89	4489	22-5	1538	Wed	V HFL2 (x3) DE M6NY (x2) 943U COMM = 23163/2507/0100/117NR/5413 C = 23163/2507/0100/117NR/5423 AR //4192 sends different round slip	CW	(JPL)
M89	5177	23-5	1155	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4192	23-5	1203	Thu	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	23-5	1203	Thu	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3156	23-5	1205	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	23-5	1205	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	23-5	1456	Thu	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4886	23-5	1456	Thu	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	5177	24-5	1250	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	24-5	1255	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	24-5	1255	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	24-5	1257	Fri	V D72H (x3) DE 1HM4 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	24-5	1257	Fri	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)

M89	5354	24-5	1306	Fri	i.p. RPT 1P 10W = TAUT TAUT K. RPT 1P 10W = TAUT TAUT AR K	CW	(JPL)
M89	5354	24-5	1313	Fri	i.p. AU6N 65T3 AT7U 6NA4 AR K. R R GA	CW	(JPL)
M89	6913	24-5	710	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	24-5	710	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5691	24-5	715	Fri	V HFL2 (x3) DE M6NY (x2)	CW	(JPL)
M89	5265	24-5	742	Fri	i.p. 65NA TU3D N5D3 NA3U UDN5 TUAD ...	CW	(JPL)
M89	4192	31-5	1407	Fri	V 2B7D (x3) DE 3GR1 (x2)//4489 sending different round slip	CW	(JPL)
M89	4489	31-5	1407	Fri	V HFL2 (x3) DE M6NY (x2)//4192 sending different round slip	CW	(JPL)
M89	3156	31-5	1532	Fri	V 3JWV (x3) DE QH4P (x2)//3597	CW	(JPL)
M89	3597	31-5	1532	Fri	V 3JWV (x3) DE QH4P (x2)//3156	CW	(JPL)
M95	10180	2-5	1251	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	6-5	1141	Mon	V BNGC (x3) DE XSV85 (x2) A HR MSGS GA PSE CY HR MSGS GA PSE CY ... //8073	CW	(JPL)
M95	8073	6-5	1141	Mon	V BNGC (x3) DE XSV85 (x2) A HR MSGS GA PSE CY HR MSGS GA PSE CY ... //4364	CW	(JPL)
M95	4243	6-5	1148	Mon	VVV HR MSG TO YR PSE CY NR 03 CK 35 49 0503 2105 = 3N6 .T. .5U .AN 67T 7D6 ... //9054	CW	(JPL)
M95	9054	6-5	1148	Mon	VVV HR MSG TO YR PSE CY NR 03 CK 35 49 0503 2105 = 3N6 .T. .5U .AN 67T 7D6 ... //4243	CW	(JPL)
M95	5801	6-5	1203	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	6-5	1203	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	8-5	1654	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	8-5	1654	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	12-5	1844	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	12-5	1844	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	13-5	1151	Mon	i.p. MSG AGN NR 052 CK 22 35 0513 1526 = 5AA UTT TA3 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	13-5	1151	Mon	i.p. MSG AGN NR 052 CK 22 35 0513 1526 = 5AA UTT TA3 3U6 3A4 ... //4243	CW	(JPL)
M95	5801	13-5	622	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	13-5	622	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	15-5	1524	Wed	i.p. TO 5752 = CL/0800/ZBT/5182/5852 AR QSL ? HR WK NR 160 V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-5	1524	Wed	i.p. TO 5752 = CL/0800/ZBT/5182/5852 AR QSL ? HR WK NR 160 V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	16-5	1132	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0375 CK 222 35 0516 1610 //8073	CW	(JPL)
M95	8073	16-5	1132	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0375 CK 222 35 0516 1610 //4364	CW	(JPL)
M95	4243	16-5	1142	Thu	V HR 7G TO YR PSE CY NR 058 CK 58 35 0516 1530 = 5AA UTT TA6 3U6 ...	CW	(JPL)
M95	5801	16-5	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-5	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	22-5	1533	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	22-5	1533	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	23-5	1134	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0389 CK 224 35 0523 1624 = //8073	CW	(JPL)
M95	8073	23-5	1134	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0389 CK 224 35 0523 1624 = //4364	CW	(JPL)
M95	4243	23-5	1141	Thu	V HR 7G TO YR PSE CY NR 072 CK 30 35 0523 1542 = 5AA UTT TU3 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	23-5	1141	Thu	V HR 7G TO YR PSE CY NR 072 CK 30 35 0523 1542 = 5AA UTT TU3 3U6 3A4 ... //4243	CW	(JPL)



<b>M95</b>	5801	23-5	1154	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	23-5	1154	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M95</b>	3642	23-5	1455	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	23-5	1455	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M95</b>	5801	24-5	1251	Fri	i.p. 7T65 57N6 4DAD 634D R QSL ? HR WK NR 160. V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	24-5	1251	Fri	i.p. 7T65 57N6 4DAD 634D R QSL ? HR WK NR 160. V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M95</b>	10180	24-5	702	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M95</b>	5700	24-5	716	Fri	N RPT 11W TO 12W K. R RPT 11W TO 12W = TBAD 7N4U AR K. R OK OK QSL 1516 A K	CW	(JPL)
<b>M95</b>	5700	24-5	735	Fri	CCK/CK 19 03 0524 1535 RMKS 7546 TO 7522 K	CW	(JPL)
<b>M95</b>	3642	31-5	1402	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	31-5	1402	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>MC03</b>	5620	26-5	1525	Sun	Chinese Air Defence: NR 74AT U7UA UUU4 NR 7A6H T5AU UUU4 NR 736T 3UU3 UUU4 NR A43N A37N UUU4	CW	(SP1)
<b>MX</b>	16332	5-5	0735	Sun	Beacon C, Moscow	CW	(CK)
<b>MX</b>	10872	5-5	0736	Sun	Beacon C, Moscow	CW	(CK)
<b>MX</b>	13527.9	5-5	1314	Sun	Beacon S, Severomorsk	CW	(CK)
<b>MX</b>	10871.9	5-5	1320	Sun	Beacon S, Severomorsk	CW	(CK)
<b>MX</b>	20047.7	8-5	0930	Wed	Beacon D, Sevastopol	CW	(CK)
<b>MX</b>	5094	16-5	1830	Thu	Beacon V	CW	(AB)
<b>MX</b>	5154.2	18-5	1400	Sat	Beacon F, Vladivostok	CW	(AB-J)
<b>MX</b>	5154.4	18-5	1400	Sat	Beacon M, Magadan	CW	(AB-J)
<b>P03a</b>	15800	1-5	1120	Wed	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	15800	1-5	1125	Wed	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	11107	1-5	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	11107	1-5	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	7840	1-5	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	7840	1-5	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	16125	1-5	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	16125	1-5	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	14769	3-5	1440	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	14769	3-5	1445	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	9130	3-5	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	9130	3-5	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	14940	4-5	1140	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	14940	4-5	1145	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	11107	4-5	1225	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	11107	4-5	1230	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	7840	4-5	1435	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	7840	4-5	1440	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	16125	4-5	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)

P03a	16125	4-5	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	5-5	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	5-5	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	5-5	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	5-5	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	5-5	1440	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	5-5	1445	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	5-5	1500	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	5-5	1505	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	5-5	1725	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	5-5	1730	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	12385	6-5	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	6-5	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4840	7-5	1725	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	7-5	1730	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	15800	8-5	1120	Wed	Polish intel.	BPSK-63	(AB)
P03a	15800	8-5	1125	Wed	Polish intel.	BPSK-63	(AB)
P03a	11107	8-5	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	8-5	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	8-5	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	8-5	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	9-5	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	14972	9-5	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	6940	10-5	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	10-5	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	10-5	1440	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	10-5	1445	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	10-5	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	10-5	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	6940	12-5	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	12-5	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	15800	12-5	1120	Sun	Polish intel.	BPSK-63	(AB)
P03a	15800	12-5	1125	Sun	Polish intel.	BPSK-63	(AB)
P03a	12385	12-5	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	12-5	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	12-5	1440	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	12-5	1445	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	12-5	1725	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	12-5	1730	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	12385	13-5	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)

P03a	12385	13-5	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	14-5	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	14972	14-5	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	4840	14-5	1725	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	14-5	1730	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	11107	15-5	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	15-5	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	15-5	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	15-5	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	15-5	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	15-5	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	16-5	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	14972	16-5	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	6940	17-5	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	17-5	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	17-5	1440	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	17-5	1445	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	17-5	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	17-5	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	11107	18-5	1225	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	18-5	1230	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	18-5	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	18-5	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	18-5	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	18-5	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	19-5	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	19-5	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	19-5	1440	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	19-5	1445	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	19-5	1500	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	19-5	1505	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	19-5	1725	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	19-5	1730	Sun	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	12385	20-5	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	20-5	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	13873	21-5	1140	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	13873	21-5	1145	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14972	21-5	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	14972	21-5	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	11107	22-5	1225	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	11107	22-5	1230	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	22-5	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	22-5	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	23-5	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	14972	23-5	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	6940	24-5	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	24-5	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14769	24-5	1440	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	24-5	1445	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	24-5	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	24-5	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	13873	25-5	1140	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	13873	25-5	1145	Sat	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	11107	25-5	1225	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	11107	25-5	1230	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	25-5	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	25-5	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	25-5	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	25-5	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	28-5	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	14972	28-5	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	4840	28-5	1725	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4840	28-5	1730	Tue	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4242	29-5	1500	Wed	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	4242	29-5	1505	Wed	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14972	30-5	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	14972	30-5	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	14769	31-5	1440	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	14769	31-5	1445	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	31-5	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	31-5	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03c	6849	23-5	0430	Thu	Polish intel.	BPSK 125Bd	(AB)
P03c	6849	23-5	0435	Thu	Polish intel.	BPSK 125Bd	(AB)
Q26	4364	6-5	1138	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	6-5	1138	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	6-5	1142	Mon	Mesages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	6-5	1142	Mon	Mesages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	16-5	1132	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	16-5	1132	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	16-5	1142	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)

<b>Q26</b>	4364	23-5	1134	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	23-5	1134	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	23-5	1141	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	23-5	1141	Thu	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>S06</b>	11565	1-5	0830	Wed	464 213 5 46062	USB	(HFD)
<b>S06</b>	12560	1-5	0840	Wed	464	USB	(HFD)
<b>S06</b>	9336	3-5	1900	Fri	627 627 627 00000	USB	(HFD)
<b>S06</b>	7314	3-5	2000	Fri	627 627 627 00000	USB	(HFD)
<b>S06</b>	17475	16-5	0830	Thu	842 367 40 68678	USB	(HFD-HK)
<b>S06</b>	17475	16-5	0830	Thu	842 ...	USB	(AB-J)
<b>S06</b>	14736	16-5	0930	Thu	842	USB	(HFD-HK)
<b>S06</b>	9336	17-5	1900	Fri	627 627 627 00000	USB	(AB/MPJ)
<b>S06c</b>	5448	28-5	1130	Tue	11202 (R4)	USB	(Gwr)
<b>S06s</b>	12110	1-5	0730	Wed	745 203 6 52401 63919 92699 14600 74248 48754 203 6 00000	USB	(AB/HFD)
<b>S06s</b>	14977	1-5	0740	Wed	745 203 6 52401 63919 92699 14600 74248 48754 203 6 00000	USB	(AB/HFD)
<b>S06s</b>	11565	1-5	0830	Wed	464 213 5 46062 68672 97478 39685 30485 213 5 00000	USB	(AB)
<b>S06s</b>	12560	1-5	0840	Wed	464 213 5 46062 68672 97478 39685 30485 213 5 00000	USB	(AB)
<b>S06s</b>	14580	1-5	1000	Wed	729 416 5 88630 58069 61732 74537 57440416 5 00000	USB	(AB-FIN/HFD)
<b>S06s</b>	16020	1-5	1010	Wed	729 416 5 88630 58069 61732 74537 57440416 5 00000	USB	(AB-G/HFD)
<b>S06s</b>	9255	2-5	0930	Thu	314 269 5 31485 36928 70560 15222 90585 269 5 00000	USB	(AB/HFD)
<b>S06s</b>	10325	2-5	0940	Thu	314 269 5 31485 36928 70560 15222 90585 269 5 00000	USB	(AB/HFD)
<b>S06s</b>	13145	2-5	1200	Thu	425 901 6 46421 46775 35602 49696 55471 83447 901 6 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	14535	2-5	1210	Thu	425 901 6 46421 46775 35602 49696 55471 83447 901 6 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	6844	3-5	0900	Fri	624 531 7 05423 76458 59421 21677 15542 36059 49385 531 7 00000	USB	(AB/HFD)
<b>S06s</b>	7161	3-5	0910	Fri	624 531 7 05423 76458 59421 21677 15542 36059 49385 531 7 00000	USB	(AB/HFD)
<b>S06s</b>	10290	3-5	0930	Fri	516 948 7 38611 33218 45503 44449 37631 37158 89898 948 7 00000	USB	(AB/HFD)
<b>S06s</b>	9655	3-5	0940	Fri	516 948 7 38611 33218 45503 44449 37631 37158 89898 948 7 00000	USB	(AB/HFD)
<b>S06s</b>	12460	4-5	0800	Sat	254 873 6 31315 36184 36194 37650 43773 46793 873 6 00000	USB	(AB)
<b>S06s</b>	10250	4-5	0810	Sat	254 873 6 31315 36184 36194 37650 43773 46793 873 6 00000	USB	(AB)
<b>S06s</b>	16320	6-5	0630	Mon	524 831 6 33699 39998 30667 35947 83964 40774 831 6 00000	USB	(AB-AUT/HFD-I)
<b>S06s</b>	14875	6-5	0640	Mon	524 831 6 33699 39998 30667 35947 83964 40774 831 6 00000	USB	(AB/HFD-I)
<b>S06s</b>	8221	6-5	0830	Mon	371 246 5 45983 48882 31151 32860 43334 246 5 00000	USB	(AB-ROU/HFD-RUS)
<b>S06s</b>	9353	6-5	0840	Mon	371 246 5 45983 48882 31151 32860 43334 246 5 00000	USB	(AB-ROU/JFD-RUS)
<b>S06s</b>	9353	6-5	0843	Mon	371 via KiwiSDR RUS	USB	(HFD-RUS)
<b>S06s</b>	16380	6-5	0900	Mon	872 903 5 30147 03494 43014 81051 46544 903 5 00000	USB	(AB-FIN/HFD)
<b>S06s</b>	14835	6-5	0910	Mon	872 903 5 30147 03494 43014 81051 46544 903 5 00000	USB	(AB-FIN/HFD)
<b>S06s</b>	10230	6-5	1200	Mon	831 420 5 54544 54612 43306 34498 33890 420 5 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	12165	6-5	1210	Mon	831 420 5 54544 54612 43306 34498 33890 420 5 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	15945	7-5	0600	Tue	438 250 6 68385 96732 33885 31840 34645 86952 250 6 00000	USB	(AB-AUT)
<b>S06s</b>	16945	7-5	0610	Tue	438 250 6 68385 96732 33885 31840 34645 86952 250 6 00000	USB	(AB-AUT)

S06s	5430	7-5	0700	Tue	374 561 8 43337 89152 46544 36478 31315 36184 36194 37650 561 8 00000	USB	(AB-POL/HFD)
S06s	6780	7-5	0715	Tue	374 561 8 43337 89152 46544 36478 31315 36184 36194 37650 561 8 00000	USB	(AB-POL/HFD)
S06s	7365	7-5	0730	Tue	427 853 6 32079 40063 40372 36343 33365 97541 853 6 00000	USB	(AB/HFD)
S06s	11655	7-5	0740	Tue	427 853 6 32079 40063 40372 36343 33365 97541 853 6 00000	USB	(AB/HFD)
S06s	14373	7-5	0800	Tue	352 918 6 89762 42149 46198 36148 34433 36421 918 6 00000	USB	(AB/HFD)
S06s	12935	7-5	0810	Tue	352 918 6 89762 42149 46198 36148 34433 36421 918 6 00000	USB	(AB/HFD)
S06s	4820	7-5	1000	Tue	893 572 6 85518 83939 48340 30054 30909 39394 572 6 00000	USB	(AB-POL/HFD)
S06s	5660	7-5	1010	Tue	893 572 6 85518 83939 48340 30054 30909 39394 572 6 00000	USB	(AB-POL/HFD)
S06s	6810	7-5	1100	Tue	754 201 6 44475 30322 36034 45445 44008 38453 201 6 00000	USB	(AB-POL/MPJ/HFD)
S06s	7560	7-5	1110	Tue	754 201 6 44475 30322 36034 45445 44008 38453 201 6 00000	USB	(AB-POL/MPJ/HFD)
S06s	6766	7-5	1500	Tue	537 824 6 32640 39976 43843 39801 35875 43806 824 6 00000	USB	(AB-POL/MPJ/HFD)
S06s	7744	7-5	1510	Tue	537 824 6 32640 39976 43843 39801 35875 43806 824 6 00000	USB	(AB/MPJ/HFD)
S06s	12110	8-5	0730	Wed	745 203 6 52401 63919 92699 14600 74248 48754 203 6 00000	USB	(AB)
S06s	14977	8-5	0740	Wed	745 203 6 52401 63919 92699 14600 74248 48754 203 6 00000	USB	(AB)
S06s	11565	8-5	0830	Wed	464 213 5 46062 68672 97478 39685 30485 213 5 00000	USB	(AB)
S06s	12560	8-5	0840	Wed	464 213 5 46062 68672 97478 39685 30485 213 5 00000	USB	(AB)
S06s	14580	8-5	1000	Wed	729 416 5 88630 58069 61732 74537 57440416 5 00000	USB	(AB)
S06s	16020	8-5	1010	Wed	729 416 5 88630 58069 61732 74537 57440416 5 00000	USB	(AB)
S06s	9255	9-5	0930	Thu	314 269 5 31485 36928 70560 15222 90585 269 5 00000	USB	(AB)
S06s	10325	9-5	0940	Thu	314 269 5 31485 36928 70560 15222 90585 269 5 00000	USB	(AB)
S06s	13145	9-5	1200	Thu	425 901 6 46421 46775 35602 49696 55471 83447 901 6 00000	USB	(AB/MPJ)
S06s	14535	9-5	1210	Thu	425 901 6 46421 46775 35602 49696 55471 83447 901 6 00000	USB	(AB/MPJ)
S06s	6844	10-5	0900	Fri	624 531 7 05423 76458 59421 21677 15542 36059 49385 531 7 00000	USB	(AB)
S06s	7161	10-5	0910	Fri	624 531 7 05423 76458 59421 21677 15542 36059 49385 531 7 00000	USB	(AB)
S06s	16320	13-5	0630	Mon	524 831 6 33699 39998 30667 35947 83964 40774 831 6 00000	USB	(AB)
S06s	14875	13-5	0640	Mon	524 831 6 33699 39998 30667 35947 83964 40774 831 6 00000	USB	(AB)
S06s	8221	13-5	0830	Mon	371 246 5 45983 48882 31151 32860 43334 246 5 00000	USB	(AB-ROU)
S06s	9353	13-5	0840	Mon	371 246 5 45983 48882 31151 32860 43334 246 5 00000	USB	(AB-ROU)
S06s	16380	13-5	0900	Mon	872 903 5 30147 03494 43014 81051 46544 903 5 00000	USB	(AB)
S06s	14835	13-5	0910	Mon	872 903 5 30147 03494 43014 81051 46544 903 5 00000	USB	(AB)
S06s	10230	13-5	1200	Mon	831 420 5 54544 54612 43306 34498 33890 420 5 00000	USB	(AB/MPJ)
S06s	12165	13-5	1210	Mon	831 420 5 54544 54612 43306 34498 33890 420 5 00000	USB	(AB/MPJ)
S06s	15945	14-5	0600	Tue	438 250 6 68385 96732 33885 31840 34645 86952 250 6 00000	USB	(AB-AUT/HFD)
S06s	16945	14-5	0610	Tue	438 250 6 68385 96732 33885 31840 34645 86952 250 6 00000	USB	(AB-AUT/HFD)
S06s	5430	14-5	0700	Tue	374 561 8 43337 89152 46544 36478 31315 36184 36194 37650 561 8 00000	USB	(AB-POL)
S06s	6780	14-5	0715	Tue	374 561 8 43337 89152 46544 36478 31315 36184 36194 37650 561 8 00000	USB	(AB-POL)
S06s	7365	14-5	0730	Tue	427 853 6 32079 40063 40372 36343 33365 97541 853 6 00000	USB	(AB)
S06s	11655	14-5	0740	Tue	427 853 6 32079 40063 40372 36343 33365 97541 853 6 00000	USB	(AB)
S06s	14373	14-5	0800	Tue	352 918 6 89762 42149 46198 36148 34433 36421 918 6 00000	USB	(AB)
S06s	12935	14-5	0810	Tue	352 918 6 89762 42149 46198 36148 34433 36421 918 6 00000	USB	(AB)



S06s	4820	14-5	1000	Tue	893 572 6 85518 83939 48340 30054 30909 39394 572 6 00000	USB	(AB-POL)
S06s	5660	14-5	1010	Tue	893 572 6 85518 83939 48340 30054 30909 39394 572 6 00000	USB	(AB-POL)
S06s	6810	14-5	1100	Tue	754 201 6 44475 30322 36034 45445 44008 38453 201 6 00000	USB	(AB-POL/MPJ-I)
S06s	7560	14-5	1110	Tue	754 201 6 44475 30322 36034 45445 44008 38453 201 6 00000	USB	(AB-POL/MPJ-I)
S06s	6766	14-5	1500	Tue	537 824 6 32640 39976 43843 39801 35875 43806 824 6 00000	USB	(AB-POL/MPJ)
S06s	7744	14-5	1510	Tue	537 824 6 32640 39976 43843 39801 35875 43806 824 6 00000	USB	(AB/MPJ)
S06s	12110	15-5	0730	Wed	745 208 6 98058 44693 07628 61154 97511 24047 208 6 00000	USB	(AB)
S06s	14977	15-5	0740	Wed	745 208 6 98058 44693 07628 61154 97511 24047 208 6 00000	USB	(AB)
S06s	11565	15-5	0830	Wed	464 509 7 07931 98755 84638 45752 64655 58202 44206 509 7 00000	USB	(AB)
S06s	12560	15-5	0840	Wed	464 509 7 07931 98755 84638 45752 64655 58202 44206 509 7 00000	USB	(AB)
S06s	14580	15-5	1000	Wed	729 581 6 33445 69424 38167 05423 75458 59421 581 6 00000	USB	(AB-AUT)
S06s	16020	15-5	1010	Wed	729 581 6 33445 69424 38167 05423 75458 59421 581 6 00000	USB	(AB-AUT)
S06s	9255	16-5	0930	Thu	314 286 5 78655 75855 07443 51240 62434 286 5 00000	USB	(AB)
S06s	10325	16-5	0940	Thu	314 286 5 78655 75855 07443 51240 62434 286 5 00000	USB	(AB)
S06s	13145	16-5	1200	Thu	425 908 6 33445 69424 38167 05423 76458 59421 908 6 00000	USB	(AB/MPJ)
S06s	14535	16-5	1210	Thu	425 908 6 33445 69424 38167 05423 76458 59421 908 6 00000	USB	(AB/MPJ)
S06s	6844	17-5	0900	Fri	624 907 5 76585 39626 43217 94450 26859 907 5 00000	USB	(AB/MPJ)
S06s	7161	17-5	0910	Fri	624 907 5 76585 39626 43217 94450 26859 907 5 00000	USB	(AB/MPJ)
S06s	16320	20-5	0630	Mon	524 817 6 32805 37450 46501 31053 44246 31824 817 6 00000	USB	(AB-AUT)
S06s	14875	20-5	0640	Mon	524 817 6 32805 37450 46501 31053 44246 31824 817 6 00000	USB	(AB-AUT)
S06s	8221	20-5	0830	Mon	371 908 5 76148 25163 22415 25821 73717 908 5 00000	USB	(AB)
S06s	9353	20-5	0840	Mon	371 908 5 76148 25163 22415 25821 73717 908 5 00000	USB	(AB)
S06s	16380	20-5	0900	Mon	872 941 5 42881 54814 38884 24421 40239 941 5 00000	USB	(AB-UKR)
S06s	14835	20-5	0910	Mon	872 941 5 42881 54814 38884 24421 40239 941 5 00000	USB	(AB-UKR)
S06s	10230	20-5	1200	Mon	831 904 5 42867 39654 42387 44142 39883 904 5 00000	USB	(AB/MPJ)
S06s	12165	20-5	1210	Mon	831 904 5 42867 39654 42387 44142 39883 904 5 00000	USB	(AB/MPJ)
S06s	5430	21-5	0700	Tue	374 569 8 35944 64372 13078 10915 84612 76148 25163 22415 569 8 00000	USB	(AB-POL)
S06s	6780	21-5	0715	Tue	374 569 8 35944 64372 13078 10915 84612 76148 25163 22415 569 8 00000	USB	(AB-POL)
S06s	7365	21-5	0730	Tue	427 581 6 28571 15277 58881 64604 49656 65963 581 6 00000	USB	(AB)
S06s	11655	21-5	0740	Tue	427 581 6 28571 15277 58881 64604 49656 65963 581 6 00000	USB	(AB)
S06s	14373	21-5	0800	Tue	352 487 6 07414 62694 84843 81185 08844 75117 487 6 00000	USB	(AB)
S06s	12935	21-5	0810	Tue	352 487 6 07414 62694 84843 81185 08844 75117 487 6 00000	USB	(AB)
S06s	4820	21-5	1000	Tue	893 574 6 99447 90809 53182 34203 80585 53623 574 6 00000	USB	(AB-POL)
S06s	5660	21-5	1010	Tue	893 574 6 99447 90809 53182 34203 80585 53623 574 6 00000	USB	(AB-POL)
S06s	6810	21-5	1100	Tue	754 208 6 62881 54814 38884 24424 50143 53571 208 6 00000	USB	(AB)
S06s	7560	21-5	1110	Tue	754 208 6 62881 54814 38884 24424 50143 53571 208 6 00000	USB	(AB)
S06s	6766	21-5	1500	Tue	537 498 6 87378 30647 31464 40750 42433 35630 498 6 00000	USB	(AB)
S06s	7744	21-5	1510	Tue	537 498 6 87378 30647 31464 40750 42433 35630 498 6 00000	USB	(AB)
S06s	12110	22-5	0730	Wed	745 208 6 98058 44693 07628 61154 97511 24047 208 6 00000	USB	(AB)
S06s	14977	22-5	0740	Wed	745 208 6 98058 44693 07628 61154 97511 24047 208 6 00000	USB	(AB)

S06s	11565	22-5	0830	Wed	464 509 7 07931 98755 84638 45752 64655 58202 44206 509 7 00000	USB	(AB)
S06s	12560	22-5	0840	Wed	464 509 7 07931 98755 84638 45752 64655 58202 44206 509 7 00000	USB	(AB)
S06s	14580	22-5	1000	Wed	729 581 6 33445 69424 38167 05423 75458 59421 581 6 00000	USB	(AB)
S06s	16020	22-5	1010	Wed	729 581 6 33445 69424 38167 05423 75458 59421 581 6 00000	USB	(AB)
S06s	9255	23-5	0930	Thu	314 286 5 78655 75855 07443 51240 62434 286 5 00000	USB	(AB)
S06s	10325	23-5	0940	Thu	314 286 5 78655 75855 07443 51240 62434 286 5 00000	USB	(AB)
S06s	13145	23-5	1200	Thu	425 908 6 33445 69424 38167 05423 76458 59421 908 6 00000	AM	(AB/MPJ)
S06s	14535	23-5	1210	Thu	425 908 6 33445 69424 38167 05423 76458 59421 908 6 00000	AM	(AB/MPJ)
S06s	6844	24-5	0900	Fri	624 907 5 76585 39626 43217 94450 26859 907 5 00000	USB	(AB)
S06s	7161	24-5	0910	Fri	624 907 5 76585 39626 43217 94450 26859 907 5 00000	USB	(AB)
S06s	10230	27-5	1200	Mon	831 904 5 42867 39654 42387 44142 39883 904 5 00000	USB	(MPJ)
S06s	12165	27-5	1210	Mon	831 904 5 42867 39654 42387 44142 39883 904 5 00000	USB	(MPJ)
S06s	11655	28-5	0740	Tue	427 581 6 28571 15277 58881 64604 49656 65963 581 6 00000	USB	(AB)
S06s	14373	28-5	0800	Tue	352 487 6 07414 62694 84843 81185 08844 75117 487 6 00000	USB	(AB)
S06s	12935	28-5	0810	Tue	352 487 6 07414 62694 84843 81185 08844 75117 487 6 00000	USB	(AB)
S06s	4820	28-5	1000	Tue	893 574 6 99447 90809 53182 34203 80585 53623 574 6 00000	USB	(AB-POL)
S06s	5660	28-5	1010	Tue	893 574 6 99447 90809 53182 34203 80585 53623 574 6 00000	USB	(AB-POL)
S06s	6810	28-5	1100	Tue	754 208 6 62881 54814 38884 24424 50143 53571 208 6 00000	USB	(AB/MPJ)
S06s	7560	28-5	1110	Tue	754 208 6 62881 54814 38884 24424 50143 53571 208 6 00000	USB	(AB/MPJ)
S06s	6766	28-5	1500	Tue	537 498 6 87378 30647 31464 40750 42433 35630 498 6 00000	USB	(AB/MPJ)
S06s	7744	28-5	1510	Tue	537 498 6 87378 30647 31464 40750 42433 35630 498 6 00000	USB	(AB/MPJ)
S06s	14977	29-5	0740	Wed	745 745 745 00000	USB	(AB)
S06s	11565	29-5	0830	Wed	464 464 464 00000	USB	(AB)
S06s	12560	29-5	0840	Wed	464 464 464 00000	USB	(AB)
S06s	14580	29-5	1000	Wed	729 729 729 00000	USB	(AB)
S06s	16020	29-5	1010	Wed	729 729 729 00000	USB	(AB)
S06s	9255	30-5	0930	Thu	314 314 314 00000	USB	(AB)
S06s	10325	30-5	0940	Thu	314 314 314 00000	USB	(AB)
S11a	11092	1-5	1540	Wed	565/00	USB	(AB/MPJ/HFD)
S11a	12457	1-5	1850	Wed	288/00	USB	(AB/MPJ/HFD)
S11a	10210	2-5	1015	Thu	472/00	USB	(AB/HFD)
S11a	5844	3-5	0455	Fri	327/00	USB	(AB)
S11a	5082	3-5	0915	Fri	487/00	USB	(AB)
S11a	6977	3-5	1020	Fri	425/00	USB	(AB/MPJ/HFD)
S11a	5149	3-5	1100	Fri	379/00	USB	(HFD)
S11a	11092	4-5	1540	Sat	561/00	USB	(AB/MPJ)
S11a	12457	4-5	1850	Sat	286/00	USB	(AB/MPJ)
S11a	5082	6-5	0915	Mon	484/00	USB	(AB/HFD)
S11a	10210	6-5	1015	Mon	478/00	USB	(AB)
S11a	5844	7-5	0455	Tue	327/00	USB	(AB)



<b>S11a</b>	6977	7-5	1020	Tue	421/00	USB	(AB/MPJ)
<b>S11a</b>	5149	8-5	1100	Wed	379/00	USB	(AB)
<b>S11a</b>	11092	8-5	1540	Wed	563/31 Vnimanaye 24996 62031 83611 ... 17441 51675 86087 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	12457	8-5	1850	Wed	285/00	USB	(AB/MPJ)
<b>S11a</b>	10210	9-5	1015	Thu	470/00	USB	(AB)
<b>S11a</b>	5844	10-5	0455	Fri	325/00	USB	(AB)
<b>S11a</b>	5082	10-5	0915	Fri	482/00	USB	(AB)
<b>S11a</b>	6977	10-5	1020	Fri	420/00	USB	(AB)
<b>S11a</b>	5149	10-5	1100	Fri	377/00	USB	(AB/MPJ)
<b>S11a</b>	11092	11-5	1540	Sat	563/31 Vnimanaye 24996 62031 83611 ... 17441 51675 86087 Vnimanaye (message repeated) Konets	USB	(MPJ)
<b>S11a</b>	12457	11-5	1850	Sat	288/00	USB	(AB/MPJ)
<b>S11a</b>	5082	13-5	0915	Mon	483/00	USB	(AB)
<b>S11a</b>	10210	13-5	1015	Mon	478/00	USB	(AB/MPJ)
<b>S11a</b>	5844	14-5	0455	Tue	325/00	USB	(AB)
<b>S11a</b>	6977	14-5	1020	Tue	424/00	USB	(AB)
<b>S11a</b>	5149	15-5	1100	Wed	373/00	USB	(AB/MPJ)
<b>S11a</b>	11092	15-5	1540	Wed	567/00	USB	(AB/MPJ)
<b>S11a</b>	12457	15-5	1850	Wed	284/00	USB	(AB-POL/MPJ)
<b>S11a</b>	10210	16-5	1015	Thu	470/00	USB	(AB)
<b>S11a</b>	5844	17-5	0455	Fri	326/00	USB	(AB)
<b>S11a</b>	5082	17-5	0915	Fri	482/00	USB	(AB)
<b>S11a</b>	6977	17-5	1020	Fri	424/00	USB	(AB/MPJ)
<b>S11a</b>	5149	17-5	1100	Fri	373/00	USB	(AB)
<b>S11a</b>	11092	18-5	1540	Sat	569/00	USB	(AB/MPJ)
<b>S11a</b>	12457	18-5	1850	Sat	282/00	USB	(AB/MPJ)
<b>S11a</b>	5082	20-5	0915	Mon	482/35 Vnimanaye 75869 41232 41819 ... 46267 37087 60858 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	10210	20-5	1015	Mon	477/00	USB	(AB)
<b>S11a</b>	6977	21-5	1020	Tue	420/34 Vnimanaye 98323 39124 45814 ... 93192 00757 60598 Vnimanaye (message repeated) Konets.	USB	(AB)
<b>S11a</b>	5149	22-5	1100	Wed	373/35 Vnimanaye 09866 42161 01479 ... 37055 58244 23407 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	11092	22-5	1540	Wed	561/00	USB	(AB/GHn)
<b>S11a</b>	12457	22-5	1850	Wed	285/33 Vnimanaye 70911 65412 72212 ... 10736 31905 72907 Vnimanaye (message repeated) Konets	USB	(AB-POL/MPJ)
<b>S11a</b>	5844	24-5	0455	Fri	321/38 Vnimanaye 64791 60964 98368 ... 19563 27968 36142 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	5082	24-5	0915	Fri	482/35 Vnimanaye 75869 41232 41819 ... 46267 37087 60858 Vnimanaye	USB	(AB)

					(message repeated) Konets		
<b>S11a</b>	6977	24-5	1020	Fri	420/34 Vnimanaye 98323 39124 45814 ... 93192 00757 60598 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	5149	24-5	1100	Fri	373/35 Vnimanaye 09866 42161 01479 ... 37055 58244 23407 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	11092	25-5	1540	Sat	560/00	USB	(AB/MPJ)
<b>S11a</b>	12457	25-5	1850	Sat	285/33 Vnimanaye 70911 65412 72212 ... 10736 31905 72907 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	6977	28-5	1020	Tue	429/00	USB	(AB)
<b>S11a</b>	5149	29-5	1100	Wed	376/00	USB	(MPJ)
<b>S11a</b>	11092	29-5	1540	Wed	566/00	USB	(AB/GHn/MPJ)
<b>S11a</b>	12457	29-5	1850	Wed	280/00	USB	(AB/MPJ)
<b>S11a</b>	5149	31-5	1100	Fri	370/00	USB	(MPJ)
<b>S30</b>	5448	2-5	1050	Thu	8S1Shch 22018 ZLORADMYJ 9454 0479 OBOLOKON 6160 1306	USB	(Gwr)
<b>S30</b>	5448	2-5	1231	Thu	8S1Shch 08612 MYeNZUL'NYJ 5705 2260	USB	(Gwr)
<b>S30</b>	5448	2-5	1237	Thu	DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1	USB	(Gwr)
<b>S30</b>	5448	2-5	1330	Thu	8S1Shch 97757 ZAL 6721 7506	USB	(Gwr)
<b>S30</b>	5448	3-5	0936	Fri	8S1Shch 18501 NADOMNIK 1578 5533	USB	(Gwr)
<b>S30</b>	5448	3-5	1017	Fri	79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch	USB	(Gwr)
<b>S30</b>	5448	3-5	1146	Fri	8S1Shch 19659 ZAMOMYeL 1079 1231	USB	(Gwr)
<b>S30</b>	5448	28-5	1153	Tue	8S1Shch 22472 MODYeLIZM 9762 3470	USB	(Gwr)
<b>S30</b>	5448	31-5	1018	Fri	8S1Shch 85127 KOVOR 2234 6391	USB	(Gwr)
<b>S30</b>	5448	31-5	1022	Fri	8S1Shch 73095 76003 GANGOCYeH 0006 3549	USB	(Gwr)
<b>S30</b>	5448	31-5	1045	Fri	8S1Shch 71592 MASTIKA 4315 6831	USB	(Gwr)
<b>S32</b>	5473	2-5	1056	Thu	Al'fa-45 82249 INTYeR'YeR 6016 8268	USB	(Gwr)
<b>S32</b>	5473	2-5	1236	Thu	Al'fa-45 94141 DOGOKNUT 6354 9174	USB	(Gwr)
<b>S32</b>	5473	2-5	1336	Thu	Al'fa-45 62859 ALOE 4665 4189	USB	(Gwr)
<b>S32</b>	5473	3-5	0943	Fri	Al'fa-45 95963 NYeRVOMART 4786 3286	USB	(Gwr)
<b>S32</b>	5473	3-5	1151	Fri	Al'fa-45 31225 DYeKOLITR 3713 8699	USB	(Gwr)
<b>S32</b>	5473	3-5	1438	Fri	Penza-07 Yahta-94 Karta-11 Shula-60 Dzhigit-46 Alyeut-09 Ruzh'e-26 Nevka-26	USB	(Gwr)
<b>S32</b>	5473	28-5	1156	Tue	Al'fa-45 34158 ACTYeKSKIJ 1257 9636	USB	(Gwr)
<b>S32</b>	5473	28-5	1238	Tue	Al'fa-45 32306 PYeGIJ 1311 7930	USB	(Gwr)
<b>S32</b>	5473	31-5	1022	Fri	Al'fa-45 81117 NOZhOBER 9461 4767	USB	(Gwr)
<b>S32</b>	5473	31-5	1049	Fri	Al'fa-45 45109 LEPOSKIN 3440 8358	USB	(Gwr)
<b>UM1 0</b>	3720	12-5	1925	Sun	10-minutes net: NJ6A	CW	(JPL-HK)
<b>UM1 0</b>	6825	13-5	0657	Mon	10-minutes net: L4BN	CW	(JPL-CHN)
<b>UM1 0</b>	6810	24-5	0722	Fri	10-minutes net: 7NPA //7368 kHz	CW	(JPL-CHN)

<b>UM10</b>	7368	24-5	0722	Fri	10-minutes net: 7NPA //6810 kHz	CW	(JPL-CHN)
<b>V15</b>	6400	18-5	1443	Sat	Message in Korean	AM	(SDX)
<b>V15</b>	657	30-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong //3320 kHz	AM	(AB)
<b>V15</b>	3320	30-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong //657 kHz	AM	(AB)
<b>V24</b>	5150	18-5	1400	Sat	K-popsong followed by a message in Korean	AM	(AB-J)
<b>V24</b>	5900	18-5	1600	Sat	K-popsong followed by a message in Korean	AM	(AB-J)
<b>V24</b>	5715	19-5	1500	Sun	K-popsong followed by a message in Korean	AM	(AB)
<b>V24</b>	5715	21-5	1500	Tue	K-popsong followed by a message in Korean	AM	(AB-J)
<b>V24</b>	4900	23-5	1530	Thu	Message in Korean	AM	(BW3-J)
<b>V24</b>	4900	25-5	1530	Sat	K-popnusic followed by a message in Korean	AM	(AB-J)
<b>V28</b>	3518	8-5	1002	Wed	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	4626	8-5	1005	Wed	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	5156	8-5	1005	Wed	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	2938	10-5	1008	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	3518	10-5	1008	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	4624	10-5	1008	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	5169	10-5	1008	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
<b>V28</b>	4494	16-5	2203	Thu	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	4975	16-5	2203	Thu	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	4494	20-5	2200	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
<b>V28</b>	4986	20-5	2211	Mon	Parrot. Messages in Korean. Male operator	AM	(HK)
<b>V28</b>	2928	24-5	1000	Fri	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	3518	24-5	1000	Fri	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	4624	24-5	1000	Fri	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	5161.5	24-5	1004	Fri	Parrot. Messages in Korean	AM	(HK)
<b>VC01</b>	5285	3-5	1433	Fri	Chinese Robot i.p.	USB	(AB-J)
<b>VC01</b>	5318	11-5	1325	Sat	Chinese Robot i.p. in progress to 1341 getgelt	USB	(Get)
<b>VC01</b>	5318	11-5	1840	Sat	Chinese Robot i.p.	USB	(BW3-J)
<b>VC01</b>	5318	11-5	1840	Sat	Chinese Robot i.p.	USB	(BW3-J)
<b>VC01</b>	5318	28-5	1635	Tue	Chinese Robot (Chinese Air Defense) i.p.	USB	(BW3-J)
<b>VC01</b>	6887	28-5	1637	Tue	Chinese Robot (Chinese Air Defense) i.p.	LSB	(BW3-J)
<b>VC01</b>	5318	29-5	1703	Wed	Chinese Robot i.p.	USB	(BW3-KOR)
<b>VC01</b>	5318	30-5	1521	Thu	Chinese Robot i.p.	USB	(BW3-J)
<b>X06</b>	14359	7-5	1037	Tue	MFA Moscow	MSFK-6	(HFD)
<b>X06</b>	16115	15-5	1117	Wed	MFA Moscow	MSFK-6	(HFD)
<b>X06b</b>	12182	3-5	1517	Fri	Sequence: 111666	MFSK-6	(AB)
<b>X06b</b>	16550	6-5	0836	Mon	Sequence: 111666	MSFK-6	(HFD)
<b>X06b</b>	11169	14-5	0623	Tue	Sequence: 111666 before XPA1	MFSK-6	(AB)
<b>X06b</b>	12182	17-5	1422	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)

<b>X06b</b>	11082	17-5	1423	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)
<b>X06b</b>	12182	17-5	1424	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)
<b>X06b</b>	11082	17-5	1425	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)
<b>XPA1</b>	11169	2-5	0710	Thu	214 214 214 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	2-5	0730	Thu	214 214 214 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	2-5	0750	Thu	214 214 214 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	7-5	0710	Tue	214 214 214 000 08421 00001 00000 33662	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	12179	7-5	0730	Tue	214 214 214 000 08421 00001 00000 33662	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	13431	7-5	0750	Tue	214 214 214 000 08421 00001 00000 33662	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	13434	8-5	0800	Wed	Exercise 558 558 558 1 03096 00075 82010 ... 91736 00144 25222	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14434	8-5	0820	Wed	Exercise 558 558 558 1 03096 00075 82010 ... 91736 00144 25222	MFSK-20/10Bd	(AB)
<b>XPA1</b>	17434	8-5	0900	Wed	Exercise 558 558 558 1 03376 00075 66731 ... 93580 16032 30243	MFSK-20/10Bd	(AB)
<b>XPA1</b>	15834	8-5	0910	Wed	Exercise 558 558 558 1 03376 00075 66731 ... 93580 16032 30243	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14434	8-5	0920	Wed	Exercise 558 558 558 1 03376 00075 66731 ... 93580 16032 30243	MFSK-20/10Bd	(AB)
<b>XPA1</b>	17434	9-5	0600	Thu	Exercise 558 558 558 1 02150 00075 65768 ... 05704 54760 34626	MFSK-20/10Bd	(AB)
<b>XPA1</b>	15834	9-5	0610	Thu	Exercise 558 558 558 1 02150 00075 65768 ... 05704 54760 34626	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14434	9-5	0620	Thu	Exercise 558 558 558 1 02150 00075 65768 ... 05704 54760 34626	MFSK-20/10Bd	(AB)
<b>XPA1</b>	17434	9-5	0700	Thu	Exercise 558 558 558 1 03402 00075 61259 ... 70844 85790 36320	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	9-5	0710	Thu	214 214 214 000 06979 00001 00000 42265	MFSK-20/10Bd	(AB)
<b>XPA1</b>	15834	9-5	0710	Thu	Exercise 558 558 558 1 03402 00075 61259 ... 70844 85790 36320	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14434	9-5	0720	Thu	Exercise 558 558 558 1 03402 00075 61259 ... 70844 85790 36320	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	9-5	0730	Thu	214 214 214 000 06979 00001 00000 42265	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	9-5	0750	Thu	214 214 214 000 06979 00001 00000 42265	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	14-5	0710	Tue	214 214 214 000 08271 00001 00000 32667	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	14-5	0730	Tue	214 214 214 000 08271 00001 00000 32667	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	14-5	0750	Tue	214 214 214 000 08271 00001 00000 32667	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	16-5	0710	Thu	214 214 214 000 08281 00001 00000 32670	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	16-5	0730	Thu	214 214 214 000 08281 00001 00000 32670	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	16-5	0750	Thu	214 214 214 000 08281 00001 00000 32670	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	21-5	0710	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	21-5	0730	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	21-5	0750	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11169	23-5	0710	Thu	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	23-5	0730	Thu	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	23-5	0750	Thu	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16246	27-5	0700	Mon	Exercise traffic	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	14871	27-5	0710	Mon	Exercise traffic	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	13953	27-5	0720	Mon	Exercise traffic	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	16236	27-5	0800	Mon	Exercise traffic 661 661 661 1 01099 00070 89150 ... 71220 94294 64465	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	14886	27-5	0820	Mon	Exercise traffic 661 661 661 1 01099 00070 89150 ... 71220 94294 64465	MFSK-20/10Bd	(Danix)

<b>XPA1</b>	13921	27-5	0840	Mon	Exercise traffic 661 661 661 1 01099 00070 89150 ... 71220 94294 64465	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	12138	27-5	1700	Mon	Exercise traffic. ID 849, 71 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	11054	27-5	1710	Mon	Exercise traffic. ID 849, 71 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	10689	27-5	1720	Mon	Exercise traffic. ID 849, 71 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	11062	27-5	1800	Mon	Exercise traffic. ID 279, 70 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	10817	27-5	1810	Mon	Exercise traffic. ID 279, 70 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	9279	27-5	1820	Mon	Exercise traffic. ID 279, 70 groups	MFSK-20/10Bd	(Danix)
<b>XPA1</b>	11169	28-5	0710	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12179	28-5	0730	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13431	28-5	0750	Tue	214 214 214 1 06742 00133 94574 ... 99782 61778 14502	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16236	28-5	0800	Tue	Exercise traffic. Two messages 661 661 661 2 05485 00073 97902... 53167 19952 04272 00000 00000 07117 00073 18153 ... 56987 16072 45522	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14886	28-5	0810	Tue	Exercise traffic. Two messages 661 661 661 2 05485 00073 97902... 53167 19952 04272 00000 00000 07117 00073 18153 ... 56987 16072 45522	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13921	28-5	0820	Tue	Exercise traffic. Two messages 661 661 661 2 05485 00073 97902... 53167 19952 04272 00000 00000 07117 00073 18153 ... 56987 16072 45522	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12138	28-5	1700	Tue	Exercise traffic 849 849 849 2 02059 00073 72607 ... 11943 69360 13611 00000 00000 01763 00073 87388 ... 33103 60996 96600	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11054	28-5	1710	Tue	Exercise traffic 849 849 849 2 02059 00073 72607 ... 11943 69360 13611 00000 00000 01763 00073 87388 ... 33103 60996 96600	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10689	28-5	1720	Tue	Exercise traffic 849 849 849 2 02059 00073 72607 ... 11943 69360 13611 00000 00000 01763 00073 87388 ... 33103 60996 96600	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11062	28-5	1800	Tue	Exercise traffic. 279 279 279 2 05234 00070 88149 ... 88101 77973 00307 00000 00000 07505 00072 63113 ... 73554 35776 37347	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10817	28-5	1810	Tue	Exercise traffic. 279 279 279 2 05234 00070 88149 ... 88101 77973 00307 00000 00000 07505 00072 63113 ... 73554 35776 37347	MFSK-20/10Bd	(AB)
<b>XPA1</b>	9279	28-5	1820	Tue	Exercise traffic. 279 279 279 2 05234 00070 88149 ... 88101 77973 00307 00000 00000 07505 00072 63113 ... 73554 35776 37347	MFSK-20/10Bd	(AB)
<b>XPA2</b>	11541	1-5	0700	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13441	1-5	0720	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14941	1-5	0740	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14794	2-5	0910	Thu	01440 00001 00000 33255	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13994	2-5	0930	Thu	01440 00001 00000 33255	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12194	2-5	0950	Thu	01440 00001 00000 33255	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14794	4-5	0910	Sat	09253 00001 00000 33666	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	13994	4-5	0930	Sat	09253 00001 00000 33666	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	12194	4-5	0950	Sat	09253 00001 00000 33666	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	15938	4-5	1500	Sat	00149 00118 30009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	14538	4-5	1520	Sat	00149 00118 30009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	13438	4-5	1540	Sat	00149 00118 30009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/HFD)

XPA2	17462	4-5	1900	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ/HFD-RUS)
XPA2	16114	4-5	1920	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ/HFD-RUS)
XPA2	16114	4-5	1920	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB)
XPA2	14828	4-5	1940	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	14828	4-5	1940	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB)
XPA2	14538	5-5	2000	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB)
XPA2	13538	5-5	2020	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB)
XPA2	12138	5-5	2040	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB)
XPA2	11541	6-5	0700	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB/HFD)
XPA2	13441	6-5	0720	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB/HFD)
XPA2	14941	6-5	0740	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB/HFD)
XPA2	17431	6-5	0910	Mon	01106 00001 00000 34651	MFSK-16/20Bd	(AB)
XPA2	15841	6-5	0930	Mon	01106 00001 00000 34651	MFSK-16/20Bd	(AB)
XPA2	13934	6-5	0950	Mon	01106 00001 00000 34651	MFSK-16/20Bd	(AB)
XPA2	15938	6-5	1500	Mon	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	6-5	1520	Mon	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	6-5	1540	Mon	02214 00001 00000 34253	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	7-5	1600	Tue	03044 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	14438	7-5	1620	Tue	03044 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	14938	7-5	1640	Tue	03044 00001 00000 33257	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	7-5	2000	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	13538	7-5	2020	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	12138	7-5	2040	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	11541	8-5	0700	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	13441	8-5	0720	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	14941	8-5	0740	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	17431	8-5	0910	Wed	01338 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	15841	8-5	0930	Wed	01338 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	13934	8-5	0950	Wed	01338 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	17434	8-5	1000	Wed	Exercise 07844 00075 85239 ... 74624 49004 76162	MFSK-16/20Bd	(AB)
XPA2	15834	8-5	1010	Wed	Exercise 07844 00075 85239 ... 74624 49004 76162	MFSK-16/20Bd	(AB)
XPA2	14434	8-5	1020	Wed	Exercise 07844 00075 85239 ... 74624 49004 76162	MFSK-16/20Bd	(AB)
XPA2	17434	8-5	1100	Wed	Exercise 09618 00075 73192 ... 40884 65626 11514	MFSK-16/20Bd	(AB)
XPA2	15834	8-5	1110	Wed	Exercise 09618 00075 73192 ... 40884 65626 11514	MFSK-16/20Bd	(AB)
XPA2	14434	8-5	1120	Wed	Exercise 09618 00075 73192 ... 40884 65626 11514	MFSK-16/20Bd	(AB)
XPA2	17434	9-5	0800	Thu	Exercise 01672 00075 09772 ... 14290 83125 77207	MFSK-16/20Bd	(AB)
XPA2	15834	9-5	0810	Thu	Exercise 01672 00075 09772 ... 14290 83125 77207	MFSK-16/20Bd	(AB)
XPA2	14434	9-5	0820	Thu	Exercise 01672 00075 09772 ... 14290 83125 77207	MFSK-16/20Bd	(AB)
XPA2	17434	9-5	0900	Thu	Exercise 06693 00075 59955 ... 20033 95682 07740	MFSK-16/20Bd	(AB)
XPA2	14794	9-5	0910	Thu	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)



XPA2	15834	9-5	0910	Thu	Exercise 06693 00075 59955 ... 20033 95682 07740	MFSK-16/20Bd	(AB)
XPA2	14434	9-5	0920	Thu	Exercise 06693 00075 59955 ... 20033 95682 07740	MFSK-16/20Bd	(AB)
XPA2	13994	9-5	0930	Thu	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)
XPA2	12194	9-5	0950	Thu	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)
XPA2	13538	9-5	1600	Thu	06807 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14438	9-5	1620	Thu	06807 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14938	9-5	1640	Thu	06807 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	17462	10-5	1900	Fri	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	10-5	1920	Fri	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	10-5	1940	Fri	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB)
XPA2	14794	11-5	0910	Sat	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)
XPA2	13994	11-5	0930	Sat	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)
XPA2	12194	11-5	0950	Sat	00416 00122 94307 ... 13783 94523 23264	MFSK-16/20Bd	(AB)
XPA2	15938	11-5	1500	Sat	04954 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	11-5	1520	Sat	04954 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	11-5	1540	Sat	04954 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	11-5	1900	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	11-5	1920	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	11-5	1940	Sat	00403 00018 01450 ... 23734 36587 63126	MFSK-16/20Bd	(AB)
XPA2	14538	12-5	2000	Sun	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB)
XPA2	13538	12-5	2020	Sun	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	12-5	2040	Sun	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB)
XPA2	11541	13-5	0700	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	13441	13-5	0720	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	14941	13-5	0740	Mon	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	17431	13-5	0910	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15841	13-5	0930	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	13934	13-5	0950	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15938	13-5	1500	Mon	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	13-5	1520	Mon	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	13-5	1540	Mon	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	14-5	1600	Tue	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	14-5	1620	Tue	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	14-5	1640	Tue	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	14-5	2000	Tue	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB-RUS/RL)
XPA2	13538	14-5	2020	Tue	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB-RUS/RL)
XPA2	12138	14-5	2040	Tue	08641 00088 40243 ... 80462 61257 53041	MFSK-16/20Bd	(AB-RUS/RL)
XPA2	11541	15-5	0700	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	13441	15-5	0720	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)
XPA2	14941	15-5	0740	Wed	08956 00145 10830 ... 30003 28866 66533	MFSK-16/20Bd	(AB)

XPA2	17431	15-5	0910	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15841	15-5	0930	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	13934	15-5	0950	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	14794	16-5	0910	Thu	08338 00020 06995 ... 63197 61780 32103	MFSK-16/20Bd	(AB)
XPA2	13994	16-5	0930	Thu	08338 00020 06995 ... 63197 61780 32103	MFSK-16/20Bd	(AB)
XPA2	12194	16-5	0950	Thu	08338 00020 06995 ... 63197 61780 32103	MFSK-16/20Bd	(AB)
XPA2	13538	16-5	1600	Thu	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	16-5	1620	Thu	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	16-5	1640	Thu	07887 00240 22277 ... 27931 51164 35530	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	17-5	1900	Fri	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB/RL)
XPA2	16114	17-5	1920	Fri	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB)
XPA2	14828	17-5	1940	Fri	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB)
XPA2	14794	18-5	0910	Sat	08338 00010 06885 ... 63197 61770 32103	MFSK-16/20Bd	(AB)
XPA2	13994	18-5	0930	Sat	08338 00010 06885 ... 63197 61770 32103	MFSK-16/20Bd	(AB)
XPA2	12194	18-5	0950	Sat	08338 00010 06885 ... 63197 61770 32103	MFSK-16/20Bd	(AB)
XPA2	15938	18-5	1500	Sat	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB)
XPA2	14538	18-5	1520	Sat	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	18-5	1540	Sat	00290 00091 69915 ... 89970 18998 71674	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	18-5	1900	Sat	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	18-5	1920	Sat	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	18-5	1940	Sat	00288 00116 57987 ... 80305 21952 52662	MFSK-16/20Bd	(AB)
XPA2	14538	19-5	2000	Sun	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	19-5	2020	Sun	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	12138	19-5	2040	Sun	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB/Dan)
XPA2	11541	20-5	0700	Mon	09509 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	13441	20-5	0720	Mon	09509 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	14941	20-5	0740	Mon	09509 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	17431	20-5	0910	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15841	20-5	0930	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	13934	20-5	0950	Mon	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15938	20-5	1500	Mon	03398 00001 00000 36664	MFSK-16/20Bd	(MPJ)
XPA2	14538	20-5	1520	Mon	03398 00001 00000 36664	MFSK-16/20Bd	(MPJ)
XPA2	13438	20-5	1540	Mon	03398 00001 00000 36664	MFSK-16/20Bd	(MPJ)
XPA2	13538	21-5	1600	Tue	09267 00001 00000 35667	MFSK-16/20Bd	(MPJ)
XPA2	14438	21-5	1620	Tue	09267 00001 00000 35667	MFSK-16/20Bd	(MPJ)
XPA2	14938	21-5	1640	Tue	09267 00001 00000 35667	MFSK-16/20Bd	(MPJ)
XPA2	14538	21-5	2000	Tue	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB)
XPA2	13538	21-5	2020	Tue	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB)
XPA2	12138	21-5	2040	Tue	07297 00082 24857 ... 56669 67500 13106	MFSK-16/20Bd	(AB)
XPA2	11541	22-5	0700	Wed	06233 00001 00000 33661	MFSK-16/20Bd	(AB)



XPA2	13441	22-5	0720	Wed	06233 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	14941	22-5	0740	Wed	06233 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	17431	22-5	0910	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	15841	22-5	0930	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	13934	22-5	0950	Wed	08280 00170 59425 ... 66023 96057 23031	MFSK-16/20Bd	(AB)
XPA2	14794	23-5	0910	Thu	06508 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	13994	23-5	0930	Thu	06508 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	12194	23-5	0950	Thu	06508 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	13538	23-5	1600	Thu	09718 00001 00000 40662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	23-5	1620	Thu	09718 00001 00000 40662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	23-5	1640	Thu	09718 00001 00000 40662	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	24-5	1900	Fri	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	16114	24-5	1920	Fri	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	24-5	1940	Fri	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB)
XPA2	14794	25-5	0910	Sat	02408 00001 00000 37252	MFSK-16/20Bd	(AB)
XPA2	13994	25-5	0930	Sat	02408 00001 00000 37252	MFSK-16/20Bd	(AB)
XPA2	12194	25-5	0950	Sat	02408 00001 00000 37252	MFSK-16/20Bd	(AB)
XPA2	15938	25-5	1500	Sat	03343 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	25-5	1520	Sat	03343 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	13438	25-5	1540	Sat	03343 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	25-5	1900	Sat	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	16114	25-5	1920	Sat	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	25-5	1940	Sat	00305 00082 01086 ... 31474 60495 44405	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	26-5	2000	Sun	09183 00038 49315 ... 77420 51941 05603	MFSK-16/20Bd	(Dan/MPJ)
XPA2	13538	26-5	2020	Sun	09183 00038 49315 ... 77420 51941 05603	MFSK-16/20Bd	(Dan/MPJ)
XPA2	12138	26-5	2040	Sun	09183 00038 49315 ... 77420 51941 05603	MFSK-16/20Bd	(Dan/MPJ)
XPA2	15938	27-5	1500	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(MPJ)
XPA2	14538	27-5	1520	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(MPJ)
XPA2	13438	27-5	1540	Mon	00146 00125 60829 ... 54875 20227 53067	MFSK-16/20Bd	(MPJ)
XPA2	11071	27-5	1900	Mon	Exercise traffic. 72 groups	MFSK016/20Bd	(Danix)
XPA2	10330	27-5	1910	Mon	Exercise traffic. 72 groups. Freq is approximate	MFSK016/20Bd	(Danix)
XPA2	9367	27-5	1920	Mon	Exercise traffic. 72 groups	MFSK016/20Bd	(Danix)
XPA2	11061	27-5	2000	Mon	Exercise traffic. 05553 00073 89527 ... 99590 51812 07644	MFSK-16/20Bd	(Danix)
XPA2	10341	27-5	2010	Mon	Exercise traffic. 05553 00073 89527 ... 99590 51812 07644	MFSK-16/20Bd	(AB)
XPA2	14801	28-5	0910	Tue	Exercise traffic. Two messages 02143 00072 42282 ... 00309 03676 10726 00000 00000 05832 00072 32816 ... 86817 55462 06420	MFSK-16/20Bd	(AB)
XPA2	13434	28-5	0920	Tue	Exercise traffic. Two messages 02143 00072 42282 ... 00309 03676 10726 00000 00000 05832 00072 32816 ... 86817 55462 06420	MFSK-16/20Bd	(AB)
XPA2	13538	28-5	1600	Tue	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	28-5	1620	Tue	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)

XPA2	14938	28-5	1640	Tue	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)
XPA2	11071	28-5	1900	Tue	Exercise traffic. Two messages 08484 00071 14968 ... 18799 92523 75151 00000 00000 05915 00072 93292 ... 67037 23387 16503	MFSK-16/20Bd	(AB)
XPA2	9367	28-5	1920	Tue	Exercise traffic. Two messages 08484 00071 14968 ... 18799 92523 75151 00000 00000 05915 00072 93292 ... 67037 23387 16503	MFSK-16/20Bd	(AB)
XPA2	14538	28-5	2000	Tue	09183 00038 49315 ... 77420 51941 05663	MFSK-16/20Bd	(AB)
XPA2	13538	28-5	2020	Tue	09183 00038 49315 ... 77420 51941 05663	MFSK-16/20Bd	(AB)
XPA2	12138	28-5	2040	Tue	09183 00038 49315 ... 77420 51941 05663	MFSK-16/20Bd	(AB)
XPA2	11541	29-5	0700	Wed	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	13441	29-5	0720	Wed	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	14941	29-5	0740	Wed	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	17431	29-5	0910	Wed	03060 00001 00000 31261	MFSK-16/20Bd	(AB)
XPA2	15841	29-5	0930	Wed	03060 00001 00000 31261	MFSK-16/20Bd	(AB)
XPA2	13934	29-5	0950	Wed	03060 00001 00000 31261	MFSK-16/20Bd	(AB)
XPA2	13538	30-5	1600	Thu	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	30-5	1620	Thu	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	30-5	1640	Thu	00142 00125 04732 ... 57947 99808 73555	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	31-5	1900	Fri	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB/MPJ/W9SPY/RL)
XPA2	16114	31-5	1920	Fri	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	31-5	1940	Fri	09636 00084 83245 ... 34938 79067 56150	MFSK-16/20Bd	(AB/RL)
XPB1	14852	5-5	1900	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	13952	5-5	1910	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	12152	5-5	1920	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	11152	5-5	1930	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	10352	5-5	1940	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	9252	5-5	1950	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	14852	7-5	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
XPB1	13952	7-5	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
XPB1	12152	7-5	1920	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	11152	7-5	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	10352	7-5	1940	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	9252	7-5	1950	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	14852	12-5	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	13952	12-5	1910	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
XPB1	12152	12-5	1920	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
XPB1	11152	12-5	1930	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	10352	12-5	1940	Sun	Russian Intel.	MFSK-16	(AB/Dan/JFD)
XPB1	9252	12-5	1950	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
XPB1	14852	14-5	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)
XPB1	13952	14-5	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)

<b>XPB1</b>	12152	14-5	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)
<b>XPB1</b>	11152	14-5	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	10352	14-5	1940	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9252	14-5	1950	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	14852	19-5	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13952	19-5	1910	Sun	Russian Intel.	MFSK-16	(AB/Dan)
<b>XPB1</b>	12152	19-5	1920	Sun	Russian Intel.	MFSK-16	(AB/MPJ/Dan)
<b>XPB1</b>	11152	19-5	1930	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10352	19-5	1940	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9252	19-5	1950	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14852	21-5	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13952	21-5	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12152	21-5	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11152	21-5	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	10352	21-5	1940	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9252	21-5	1950	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	14852	26-5	1900	Sun	Russian Intel.	MFSK-16	(MPJ)
<b>XPB1</b>	13952	26-5	1910	Sun	Russian Intel.	MFSK-16	(Dan/MPJ)
<b>XPB1</b>	12152	26-5	1920	Sun	Russian Intel.	MFSK-16	(Dan/MPJ)
<b>XPB1</b>	11152	26-5	1930	Sun	Russian Intel.	MFSK-16	(Dan)
<b>XPB1</b>	10352	26-5	1940	Sun	Russian Intel.	MFSK-16	(Dan)
<b>XPB1</b>	14852	28-5	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13952	28-5	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12152	28-5	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11152	28-5	1930	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10352	28-5	1940	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9252	28-5	1950	Tue	Russian Intel.	MFSK-16	(AB)
<b>XSL</b>	4153	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	10-5	1433	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

<b>XSL</b>	6417	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	15-5	0607	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	19-5	1014	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(RL)
<b>XSL</b>	4153	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	22-5	0618	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

## CONTRIBUTORS

AB	Ary Boender, Netherlands	HFD	Hans-Friedrich Dumrese, Germany
AB-AUS	Ary Boender via remote rx Australia	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-FIN	Ary Boender via remote rx Finland	HFD-I	Hans-Friedrich Dumrese via remote rx Italy
AB-G	Ary Boender via remote rx UK	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-J	Ary Boender via remote rx Japan	HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
AB-KOR	Ary Boender via remote rx South Korea	HFD-QAT	Hans-Friedrich Dumrese via remote rx Qatar
AB-NZL	Ary Boender via remote rx New Zealand	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-POL	Ary Boender via remote rx Poland	HK	Hiroyuki Komatsubara, Japan
AB-ROU	Ary Boender via remote rx Romania	JLM	Jack Metcalfe, KY, USA
AB-RUS	Ary Boender via remote rx Russia	JPL	JPL, NB, Canada (and various remote rx)
AB-UKR	Ary Boender via remote rx Ukraine	JPL-CHN	JPL via remote rx China
AB-USA	Ary Boender via remote rx USA	JPL-J	JPL via remote rx Japan
AnEur	Anonymous Europe	JPL-Sib	JPL via remote rx Siberia
BW3-J	Barry Williams via remote rx Japan	JU	Jay Updike, W. Europe
BW3-KOR	Barry Williams via remote rx South Korea	MPJ	Jim, SW England
CK	Costas, Southern Europe	MPJ-HOL	Jim via remote rx Netherlands
CM2-HOL	Chris Malboef via remote rx the Netherlands	MPJ-I	Jim via remote rx Italy
Dan	Daniel LU5EMM, Argentina	RL	Roberto Landolpho, Brazil
Danix	Danix111, Poland	RR2	Rich Ray, IL, USA
F5JBR	F5JBR André, France	SDX	Sat Dxer
GHn	Gary Hagermann, UK	SP1	Sylvain, France
Gwr	Gwraspe (via Priyom)	W9SPY	Curt

---

"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.

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

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

**Relevant mailing lists and websites:**

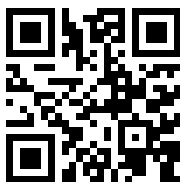
**NUMBERS & ODDITIES** <http://www.numbersoddities.nl>  
**SPY NUMBERS ONLINE DATABASE** <http://www.spynumbers.com/numbersDB>  
**UDXF - UTILITY DXERS FORUM** <http://www.udxf.nl>  
**HF UNDERGROUND** <http://www.hfunderground.com/board/>  
**PRIYOM** <http://priyom.org/>  
**ENIGMA** <http://www.signalshed.com/>

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.

700 27364 92886 89428 81288 18982 38998 32794 31276 81  
86 88932 78987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 78  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 18  
591 87364 87265 96718 27638 12673 84769 28743 98127 56  
8 63298 75698 27465 87326 49876 28376 81273 98615 56  
87 87432 74328 78674 29867 32867 67867 86786 43286 48  
57 68768 68763 34234 34238 68768 62342 48273 48768 234  
936 98432 32432 86743 43286 43286 43286 43286 43286 43  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
741 86743 86743 86743 86743 86743 86743 86743 86743 48  
983 98798 98754 98754 98754 98754 29867 67543 67986 86  
76 87698 69876 87698 69876 87612 12345 34867 86798 86  
867 43298 65656 54756 56123 32143 14321 32143 14321 321  
98 82787 58765 76587 58765 76587 58765 76587 58756 765  
86787 86587 86587 86587 86587 86587 86587 86587 86587

N&O



UDXF

