

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 #262, July 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.



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## FOREWORD

Two publications that may be of interest to you.

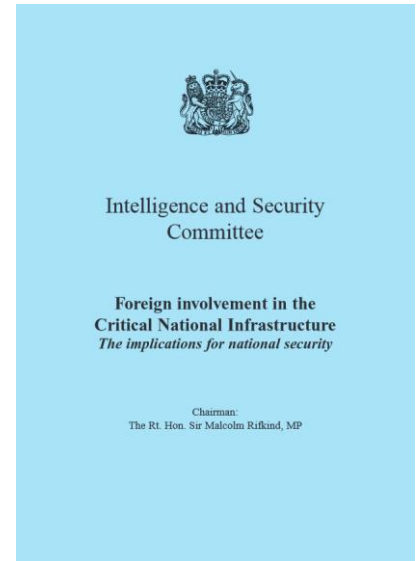
### **Foreign Involvement in the Critical National Infrastructure**

A report by the Intelligence and Security Committee (ISC) into the implications for national security.

This report covers mainly Huawei's involvement in the UK's Critical National Infrastructure.

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/205680/ISC-Report-Foreign-Investment-in-the-Critical-National-Infrastructure.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/205680/ISC-Report-Foreign-Investment-in-the-Critical-National-Infrastructure.pdf)

Thanks to Enigma 2000 for the tip.



### **The Compatriots:**

#### **The Brutal and Chaotic History of Russia's Exiles, Émigrés, and Agents Abroad**

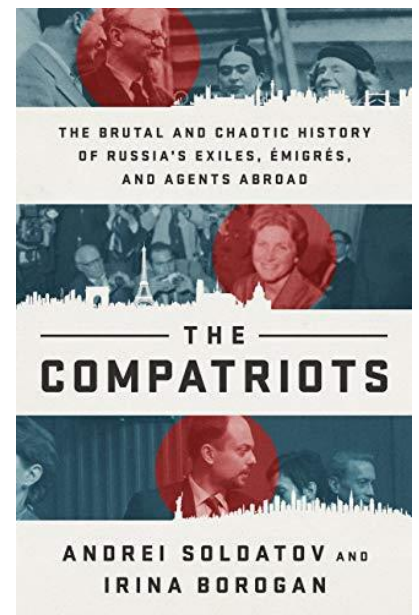
By Andrei Soldatov and Irina Borogan

The authors of The Red Web examine the shifting role of Russian expatriates throughout history, and their complicated, unbreakable relationship with the mother country--be it antagonistic or far too chummy.

The history of Russian espionage is soaked in blood, from a spontaneous pistol shot that killed a secret policeman in Romania in 1924 to the attempt to poison an exiled KGB colonel in Salisbury, England, in 2017. Émigrés have found themselves continually at the center of the mayhem.

Russians began leaving the country in big numbers in the late nineteenth century, fleeing pogroms, Tsarist secret police persecution, the Revolution, then Stalin and the KGB, and creating the third-largest diaspora in the world. The exodus created a rare opportunity for the Kremlin. Moscow's masters and spymasters fostered networks of spies, many of whom were emigrants driven from Russia. By the 1930s and 1940s, dozens of spies were in New York City gathering information for Moscow.

But the story did not end with the collapse of the Soviet Union. Some émigrés have turned into assets of the resurgent Russian Nationalist state, while others have taken up the dissident challenge once more--at their personal peril. From Trotsky to Litvinenko, The Compatriots is the gripping history of Russian score-settling around the world.



Artemis is the PC-version of the well-known Signal Identification Guide (Sigidwiki). Recently Artemis Mk3 was released. It hosts a database of signals, often with a waterfall and/or audio sample. The program has been updated and now also has two pages with propagation data.

Links:

Sigidwiki [https://www.sigidwiki.com/wiki/Signal\\_Identification\\_Guide](https://www.sigidwiki.com/wiki/Signal_Identification_Guide)

Artemis Mk.3 <https://aresvalley.com/Artemis/>

The screenshot shows the ARTISMIS 3.0 application window. The main display area is titled 'ALE-400'. On the left, there is a search bar and a list of signals. The central area displays the following details for ALE-400:

- Frequency:** 1.81 MHz - 144.16 MHz
- Bandwidth:** 400 Hz
- Mode:** USB
- Modulation:** MFSK
- Location:** Worldwide
- ACF:** N/A

Below these details is a 'Description' section stating: 'ALE-400 is an amateur version of the 2G ALE standard. It is adapted to the demands of amateur radio emergency traffic handling.' To the right of the description is a 'Categories' list including Military Radar, Active Inactive, HAM Commercial, Aviation Marine, Analogue Digital, Trunked Utility, Sat Navigation, Interfering Time Signal, and Number Stations. At the bottom right, there is a waterfall plot showing a narrowband signal.

The screenshot shows the Artemis Mk3 application window. The main display area is divided into two sections: 'X-Rays' and 'Propagation Data'.

**X-Rays Section:**

- Peak Flux Class:** A7.0
- Radio Blackout:** R0, R1, R2, R3, R4, R5
- Protons-Electrons Flux:** S0, S1, S2, S3, S4, S5
- Solar Activity:** K-Index: 1, A-Index: 7
- Storm Levels:**
  - EXTREMELY SEVERE STORM
  - VERY SEVERE STORM
  - SEVERE STORM
  - MAJOR STORM
  - MINOR STORM
  - ACTIVE
  - UNSETTLED
  - QUIET
  - VERY QUIET
  - INACTIVE
- SFI:** 67
- SN:** 0
- Geomagnetic Storm (now):** G0, G1, G2, G3, G4, G5
- Geomagnetic Storm (MAX 24 hrs):** G0, G1, G2, G3, G4, G5

**Propagation Data Section:**

- E.M.E.:** Poor
- Meteor Scatter:** 0, 6, 12, 18 UTC
- M.U.F.:** 0, 6, 12, 18 UTC
- Hystorical Index:** 0, 6, 12, 18 UTC
- 50 MHz E-skip in EU:** 50 MHz Es NOW !!
- 70 MHz E-skip in EU:** BAND CLOSED
- 144 MHz E-skip in EU:** BAND CLOSED
- 144 MHz E-skip in NA:** BAND CLOSED
- VHF Aurora:** BAND CLOSED
- Expected HF Noise:** S0 - S1 (<-120 dBm)

## VOICE STATIONS

### E06

#### 13825/15615 kHz, 04-07/05-07, 0500/0600 UTC

679 481 52  
86310 90435 19339 35162 48519 82066 26441 45585 23085 21669  
05876 87672 47060 54049 54410 84108 01096 98644 25162 55146  
34775 19951 98491 67021 76423 20313 64714 39247 38326 09768  
92058 78176 53296 32626 78321 29021 03524 55477 09651 63519  
27650 46311 74899 45428 17003 99439 08971 41045 36918 85899  
63618 66928  
481 52 00000

#### 5731 kHz, 05-07, 2130 UTC

315 974 42  
45671 65736 96930 23572 72375 23672 92358 23653 29359 23659  
12345 23582 23692 60232 23658 23689 13245 23682 03956 01956  
69382 23765 83726 96874 27165 96844 43837 34572 28716 65896  
23876 26372 90684 76845 27252 13945 76845 94038 37265 57693  
48690 03856  
974 42 00000  
Windows hut down sound

#### 13825/15615 kHz, 18-07/19-07, 0500/0600 UTC

679 312 58  
64951 80572 93486 42376 84823 93988 84267 81877 45760 93082  
38025 73247 71267 42724 90795 60133 71938 82667 50316 11024  
14221 90148 02736 21542 75611 74600 79966 19952 15964 52944  
29866 36833 19598 78876 56446 44849 87893 24605 22279 39552  
87062 38456 30304 17161 80787 26807 27216 60245 02407 33759  
95621 67264 46336 17021 27154 86883 83425 43402  
312 58 00000

#### 5936 kHz, 18-07, 2030 UTC

724 975 42  
45878 68175 68385 79620 59385 58736 37233 65864 48376 29395  
48538 34693 26852 23468 34679 34687 32929 23658 24368 26722  
67964 62477 23725 27369 90453 78847 36125 21632 13258 23658  
65824 67893 79435 83478 32496 23482 29393 23682 23692 23648  
23936 26389  
975 42 00000

### E07

#### 15962/17462/18542 kHz, 02-07/05-07, 0700/0720/0740 UTC

945 954 945 1 6355 74 6355 74  
92177 67011 56172 82396 31452 03723 32362 40364 47559 64346  
33611 79294 83545 91604 42310 35544 45423 64568 67846 70788  
51636 18474 07345 98575 95642 07584 46440 83153 57096 74292  
75704 91593 91159 80611 86856 72750 29058 88706 01525 59008  
13562 20039 96467 25633 85782 50529 93221 71648 59916 50336  
11808 14550 62904 60176 43657 84506 96393 98403 79961 15246  
00936 04564 81309 20982 22503 28156 85632 37049 07398 80119  
72819 65977 61594 04325 000 000

**19252/17452/16252 kHz, 02-07/05-07, 1100/1120/1140 UTC**

242 242 242 1 8783 5 8783 5

72250 60130 38086 81009 48295 000 000

**12223/11023/10123 kHz, 03-02, 1700/1720/1740 UTC**

201 201 201 1 5700 60 5700 60

02140 00129 99359 61937 24156 25010 48827 26223 03353 43956

40159 19105 71316 78924 62072 21989 42468 92986 39320 49918

30369 58532 73174 92784 98927 56001 78042 71940 33863 12994

48893 47264 04678 79926 95444 36339 63453 21179 62275 81392

44743 08684 24085 75232 26564 97726 82760 99245 80639 41007

63570 01501 18917 88698 07115 08723 04144 41643 68358 20365

000 000

**16263/14763/13363 kHz, 03-07, 1900/1920/1940 UTC**

273 273 273 1 940 100 940 100

04191 63979 83190 13367 83809 48095 78305 96995 10899 16589

17436 42698 63033 67329 27770 54413 51345 18033 54581 75199

92689 89429 37445 11008 76686 67048 45694 05851 60678 30022

05886 89701 53760 89423 45706 43311 29582 14050 30466 95039

49664 90959 70638 00269 09889 41059 82775 34307 26984 32824

27903 01296 90015 95314 39571 51322 43429 51908 91976 19399

75888 52888 67974 85703 35139 15929 45334 28755 59154 09896

85988 80138 42745 95476 51613 37075 54980 57446 90663 57076

49394 09895 07900 69447 79132 53450 39481 93073 72618 70541

49094 83255 44564 70619 10584 21963 47123 89844 17969 86421

000 000

**9064/10264/11464 kHz, 06-07/07-07, 0600/0620/0640 UTC**

**9064/10264/11464 kHz, 06-07/07-07, 1300/1320/1340 UTC**

024 024 024 1 597 49 597 49

78142 13988 78496 87907 57336 38205 79081 68817 76426 07127

56319 78589 50992 34312 45286 41369 73161 21514 19806 02195

47590 88467 56208 96392 20475 16896 84534 18726 80206 57408

62227 68587 93644 85552 61039 21377 55793 83485 98380 51914

35037 56026 01437 79049 38347 28762 71469 95245 39628 000 000

**13562/14862/16162 kHz, 06-07, 1410/1430/1450 UTC**

441 441 441 1 502 23 502 23

04362 31630 14653 24298 35057 30496 91736 16252 17215 26641

75816 75842 56826 41961 49262 02184 39423 91746 15434 94902

73260 46037 97088 000 000

**16263/14763/13363 kHz, 08-07/10-02/15-07/17-07, 1900/1920/1940 UTC**

273 273 273 1 687 120 687 120

96389 58508 58502 33530 84520 23842 62136 30717 74104 60904

52411 66763 29324 22281 02966 60257 60108 07386 85260 90929

11174 90750 27752 77192 83608 83359 66868 95707 54106 36917

88109 67104 15746 77719 59288 77604 42378 16999 23794 98984

29975 00662 39774 42453 11983 08553 81862 13760 58331 44009

48844 18986 38232 22326 00409 73169 83012 35287 13569 32067

35377 48901 14769 17255 89893 18281 83641 42146 93712 88550

25913 10894 19887 41576 31831 56119 75993 11234 06674 30736

01341 43825 48350 65625 62123 29070 31535 41970 46919 16663

69707 23631 61590 52436 08708 69352 67063 38651 79982 29084

47987 87146 66018 59332 54854 34499 10509 84520 39455 14716

37105 00199 08913 46708 42578 53535 51519 27030 38482 86261

000 000

**19252/17452/16252 kHz, 09-07/12-07/16-07/19-07, 1100/1120/1140 UTC**

242 242 242 1 9383 112 9383 112

54941 78990 31376 82540 63918 64485 03962 99317 07200 26943  
37229 46389 43586 39654 48808 21360 46459 01028 36497 32688  
68714 21584 02127 73677 52500 35804 32747 17992 29357 74690  
78778 79158 02358 18419 69234 26062 87839 43193 83378 47071  
11930 81464 95749 12697 03447 07549 11790 61900 82080 65198  
42039 23133 72117 21221 57394 25947 43730 78469 25019 46177  
85307 13571 64452 00700 24775 57674 47918 89209 17882 59184  
53706 58406 40868 86674 91266 02709 12896 40911 89322 57714  
83273 05826 85472 24341 96200 23591 59538 10112 06835 15247  
32200 97473 53270 21775 52383 83677 08950 51813 51461 82382  
01162 28312 20001 69921 90355 45467 61431 83968 52200 40880  
79419 00697 000 000

**12223/11023/10123 kHz, 14-07/17-07, 1700/1720/1740 UTC**

201 201 201 1 278 81 278 81

17655 10290 30034 60842 14491 13732 09704 17655 99954 43167  
27207 44860 90142 36195 35354 49808 57504 82060 34604 83578  
41539 46704 95815 28126 56313 16098 53377 84520 57679 05560  
26509 20593 39652 87188 06298 89000 36272 17513 72807 52181  
71702 94298 20442 45084 25281 50420 77103 12062 80234 79457  
10678 42904 40849 52748 99937 86018 78409 16104 10613 61789  
08160 43553 77066 03565 86532 86766 27930 67827 45538 30912  
03541 85495 22958 50352 06014 23734 62032 07652 53628 29682  
73060 000 000

**15962/17462/18542 kHz, 16-07/19-07, 0700/0720/0740 UTC**

945 945 945 1 239 56 239 56

51269 04919 30752 39103 59557 55138 64869 44600 17468 94009  
30595 77614 90116 18843 20249 38090 63487 47184 59384 32051  
77123 24468 34422 45005 76089 62548 39720 36696 28120 72372  
63086 14441 27713 65754 31741 81317 98134 84178 94532 32364  
79819 76023 93515 12737 66469 01654 06329 31966 63916 89583  
78583 38021 16981 22423 66152 18007 000 000

**12223/11023/10123 kHz, 21-07/24-07, 1700/1720/1740 UTC**

201 201 201 1 8742 43 8742 43

77712 13006 45756 77036 26001 43618 39224 24654 50294 94097  
39086 89790 18084 93693 89266 39155 51167 33077 90066 79070  
12559 55488 62045 70021 18640 48934 97739 41922 33163 63282  
12370 69687 12318 67525 86035 83556 73784 47913 19876 26249  
07903 92252 44404 000 000

**E07a**

**12166/10766/9266 kHz, 03-07/10-07, 2000/2020/2040 UTC**

172 172 172 1 16865 230 73 230 73

84980 56962 08902 84427 92875 20859 46426 92451 59380 36923  
36723 58688 35944 73998 12736 81798 18759 08143 70077 37069  
15066 18768 96256 06672 94308 90838 58286 65376 84778 21992  
71784 90387 89516 08748 77033 92436 27635 13509 17811 46857  
17380 35657 84056 99252 79371 32653 35818 36135 71177 29758  
69600 58373 62043 36219 78016 63107 05007 01724 14509 87489  
00604 39123 02762 17929 66796 37729 84513 64367 94048 27738  
82581 81654 89492 000 000

**7933/9133/10233 kHz, 04-07/11-07, 0430/0450/0510 UTC**

912 912 912 1 16865 230 73 230 73  
84980 56962 08902 84427 92875 20859 46426 92451 59380 36923  
36723 58688 35944 73998 12736 81798 18759 08143 70077 37069  
15066 18768 96256 06672 94308 90838 58286 65376 84778 21992  
71784 90387 89516 08748 77033 92436 27635 13509 17811 46857  
17380 35657 84056 99252 79371 32653 35818 36135 71177 29758  
69600 58373 62043 36219 78016 63107 05007 01724 14509 87489  
00604 39123 02762 17929 66796 37729 84513 64367 94048 27738  
82581 81654 89492 000 000

**12213/11413/10113 kHz, 05-07/12-07, 1510/1530/1550 UTC**

241 241 241 1 39794 9835 57 9835 57  
96171 44639 13824 39994 64634 07867 89052 22280 54686 70007  
29777 19205 84192 70428 04220 93397 48944 07593 45851 61290  
75451 66946 99180 57213 43346 67043 76531 01548 79456 73150  
00036 08124 88658 67734 72051 62504 98705 37463 29309 58268  
48707 81271 12288 48883 77963 68654 21826 35023 96649 33723  
28546 84880 73131 93470 89720 58121 64268 000 000

**12173/13973/14873 kHz, 06-07/13-07, 0800/0820/0840 UTC**

**06-07, 0840 UTC: stops during group 13 and restarts with group 5**

198 198 198 1 39794 9835 57 9835 57  
96171 44639 13824 39994 64634 07867 89052 22280 54686 70007  
29777 19205 84192 70428 04220 93397 48944 07593 45851 61290  
75451 66946 99180 57213 43346 67043 76531 01548 79456 73150  
00036 08124 88658 67734 72051 62504 98705 37463 29309 58268  
48707 81271 12288 48883 77963 68654 21826 35023 96649 33723  
28546 84880 73131 93470 89720 58121 64268 000 000

**E11a**

**9610 kHz, 01-07, 0745 UTC**

**10356 kHz, 04-07, 1530 UTC**

268/32 Attention  
78494 81070 53743 46534 62665 53428 24694 87850 83932 08541  
44461 19594 63107 18717 38806 73351 92017 83528 38716 91905  
48257 64474 87680 05437 59552 03334 57216 92684 67178 74308  
99592 69844  
Attention (message repeated) Out

**5409 kHz, 01-07/05-07, 1530 UTC**

520/39 Attention  
07154 02579 14562 49370 88565 53162 80680 61597 11425 64940  
17200 10501 88566 56797 41350 98386 69001 20535 70459 81380  
14120 51762 14125 53568 84561 56022 47910 75950 52612 57011  
04883 70972 18155 83411 91242 34071 91138 61936 56243  
Attention (message repeated) Out

**14410 kHz, 01-07/07-07, 1745 UTC**

248/32 Attention  
59336 58572 10196 48044 07773 65212 63527 01597 29914 11034  
04529 08486 82508 03262 17549 74524 14608 51324 35584 29212  
16421 50901 38835 55986 04086 75925 08436 08022 85146 06102  
64772 13762  
Attention (message repeated) Out

**10429 kHz, 02-07/05-07, 0715 UTC**

634/33 Attention

95100 67393 37987 25459 13520 37363 79541 51960 82817 31226  
75732 67641 86624 51846 44306 51322 12618 39020 41581 58007  
36741 43122 97993 33665 21948 12239 05003 56816 12880 87586  
68363 71710 70765

Attention (message repeated) Out

**6304 kHz, 02-07/03-7, 1205 UTC**

463/38 Attention

96695 70492 59549 59672 00438 27999 93604 74715 67804 94878  
51235 06884 03487 77077 11064 87548 53802 63116 64708 12679  
85075 09548 40268 11236 26803 14748 55230 43982 63058 78628  
88287 21095 04000 52305 44940 19757 26652 06160

Attention (message repeated) Out

**12630 kHz, 02-07/04-07, 1925 UTC**

556/39 Attention

79384 18386 25785 98206 21594 63489 34560 92605 57046 81216  
90183 46429 50169 74646 00288 79576 63720 53176 98503 90481  
61728 56948 15947 05018 86288 43678 53432 99875 33531 28260  
73568 90872 33390 90943 63723 52833 89743 34951 85967

Attention (message repeated) Out

**4783 kHz, 03-07/06-07, 1705 UTC**

399/31 Attention

57539 16791 21284 65090 54272 00116 35617 53896 73656 19428  
80363 49962 69344 26352 94804 43839 54519 07296 15101 52971  
10968 27012 26612 98987 75572 08588 90370 90080 20572 93164  
87556

Attention (message repeated) Out

**7600 kHz, 08-07/11-07, 1900 UTC**

640/36 Attention

86227 94046 44124 40926 09587 86024 30859 46510 70778 21631  
12588 67188 22175 37876 62835 31789 01153 44125 97497 32322  
82682 02457 47966 63124 68658 46188 46543 87610 12107 33057  
13677 00482 45677 19325 99267 98772

Attention (message repeated) Out

**8180 kHz, 09-07/12-07, 1000 UTC**

305/24 Attention

69860 37997 95423 75925 85312 26480 91363 49124 25023 45193  
53379 22783 85998 15545 12478 07431 24541 90974 08983 88748  
88953 44249 29937 86125

Attention (message repeated) Out

**4909 kHz, 11-07, 0820 UTC**

435/35 Attention

19743 78698 68181 55911 31662 92474 32508 36326 68523 38257  
09057 24638 21738 80043 49415 72983 05231 65960 29581 17296  
42997 68722 07827 73115 39697 95991 69771 91298 54779 04365  
78496 29389 01191 25044 00853

Attention (message repeated) Out



**11092 kHz, 11-07/13-07, 1300 UTC**

583/32 Attention

06132 55913 05852 45617 18710 19719 10304 75542 08010 24531  
93140 18469 50377 59389 98388 38332 97213 16099 10041 47198  
16432 70078 09796 84953 21396 94825 67613 09858 51166 08136  
71657 56553

Attention (message repeated) Out

**12229 kHz, 12-07/14-07, 1650 UTC**

925/33 Attention

62886 36766 16060 79659 24289 76856 48851 44776 71371 16606  
41467 99007 94313 46867 71136 04929 50242 94682 26241 17740  
15349 18745 74755 11647 38712 98992 38493 59212 09978 59468  
50480 94959 25846

Attention (message repeated) Out

**4242 kHz, 12-07, 2000 UTC**

121/25 Attention

73467 36423 74273 57327 58357 32858 73258 32785 72387 73098  
87578 37385 89534 89689 83982 90019 98588 66746 87495 05512  
76734 86734 88285 77678 74687

Attention (message repeated) Out

**4146 kHz, 12-07, 2030 UTC**

121/25 Attention

66357 27828 72757 46877 40098 89838 84887 87096 67657 40355  
78767 88191 87777 83757 38572 08985 87357 78287 37878 50990  
89858 99846 84867 46786 98401

Attention (message repeated) Out

**6480 kHz, 13-07/14-04, 0710 UTC**

491/35 Attention

16983 07086 53909 51187 12063 66483 34441 02670 67624 31978  
45537 99690 15173 71836 92757 30489 50793 08128 17119 11724  
36655 78167 84104 13268 26622 55129 78844 75930 10115 83188  
87073 07223 71017 00585 20464

Attention (message repeated) Out

**5737 kHz, 13-07/14-07, 0805 UTC**

314/36 Attention

09263 22414 85110 61248 96629 82087 39365 19777 65166 85504  
41598 31159 89996 15017 08325 30329 00638 28756 98016 20221  
95929 10536 62083 82611 36668 74510 73449 53035 94465 57021  
39713 37128 32376 92288 17906 25651

Attention (message repeated) Out

**5082 kHz, 13-07/14-07, 1930 UTC**

365/36 Attention

96286 60142 84740 97525 82447 21062 15702 78032 83267 71709  
97621 59926 21192 39548 46179 12197 79735 52113 41618 40687  
43068 35133 96528 14549 29797 48290 74943 27527 72600 85436  
46221 47845 86207 08383 27428 85095

Attention (message repeated) Out

**15800 kHz, 15-07, 0640 UTC**

941/28 Attention

04886 73747 09029 84513 84494 85665 00119 99512 19127 45881  
10068 35722 89619 56968 91931 26765 73137 83304 59578 48630  
68096 98820 55892 67162 04708 21516 05943 18900

Attention (message repeated) Out

**13424 kHz, 16-07/18-07, 0645 UTC**

515/33 Attention

49166 51763 47881 81026 44809 15179 02991 98397 93036 67576  
40044 71437 49699 29665 48439 28272 23094 99184 08358 45326  
71685 91725 00967 05679 29940 07302 03777 59917 10864 61760  
33275 84133 21606

Attention (message repeated) Out

**12153 kHz, 16-07/18-07, 0845 UTC**

157/35 Attention

27309 83016 91121 40025 71728 91820 78220 09990 99564 76381  
17207 18956 53275 89923 99826 69402 05656 57853 60139 32653  
12972 54716 93075 18871 06563 44890 72856 26373 99831 69543  
01532 89205 13101 95755 31202

Attention (message repeated) Out

**5371 kHz, 16-07/21-07, 1605 UTC**

236/35 Attention

27102 21848 50338 59965 09853 26895 23277 58146 45855 00503  
04936 29645 81063 36449 33150 47061 34782 16453 78223 27399  
13368 01890 38126 88495 71631 65274 92167 38175 50523 50246  
22678 04656 68803 62571 13070

Attention (message repeated) Out

**15720 kHz, 17-07/19-07, 0745 UTC**

346/37 Attention

90676 62224 56046 36734 99026 95119 67417 98297 06827 22347  
28737 42096 74263 74868 05972 33494 72003 54562 35467 11375  
07497 01596 13424 40411 30661 74420 42542 03450 61241 16803  
45096 93041 86716 25291 17734 32802 66525

Attention (message repeated) Out

**6923 kHz, 17-07/18-07, 0930 UTC**

279/39 Attention

05690 94445 04216 64842 43925 05425 92780 63080 48947 15343  
42726 98957 06991 72723 24918 33340 52304 96173 57753 89775  
14679 57694 04257 02985 76662 79845 49830 20664 58638 81876  
11423 44937 39743 77806 13453 31149 17264 40258 90340

Attention (message repeated) Out

**7863 kHz, 17-07/21-07, 1625 UTC**

970/40 Attention

71937 92337 93222 85733 98613 47635 33912 25018 60404 53843  
89862 53710 82418 61612 50016 20079 41472 99241 54596 06825  
09821 77640 75288 85078 25309 87890 80781 59483 39042 82285  
98121 55018 59176 68635 84838 41970 92768 01370 77553 52719

Attention (message repeated) Out

**7984 kHz, 17-07, 1730 UTC**

404/37 Attention

28342 88204 59253 08927 04335 51059 48926 97569 24473 84289  
60026 75134 05312 41569 91524 75730 80693 41202 72370 55261  
44392 48516 97724 35241 84567 28649 53757 27725 34751 45287  
55626 44982 46262 98943 75907 22376 32993

Attention (message repeated) Out

**11559 kHz, 22-07/26-07, 0600 UTC**

182/36 Attention

35806 46116 10401 56018 85652 61725 04100 50625 17947 01328  
31397 54348 79556 10716 03249 33756 62186 30240 42724 31755  
24312 63214 88960 35278 19487 20501 06099 24249 34800 51416  
90836 90980 27876 92736 28283 89223

Attention (message repeated) Out

**7449 kHz, 22-07/24-07, 0900 UTC**

533/39 Attention

07522 71104 68517 60381 35075 87182 05334 15755 57610 77423  
42376 10705 59093 51031 04427 19400 64263 66045 84919 94396  
91473 55726 35176 92588 29710 31891 37193 56068 85691 14414  
59199 10290 17846 26176 61952 12602 72855 04172 38930

Attention (message repeated) Out

**17378 kHz, 23-07/24-07, 0820 UTC**

134/33 Attention

97329 81351 93124 16035 01289 57306 40988 47293 49710 20516  
52926 64245 99501 42748 30328 08116 53492 16135 71372 91753  
71112 92411 41208 42864 33048 53263 78846 41544 69198 06313  
04480 34599 03396

Attention (message repeated) Out

**8680 kHz, 23-07/26-07, 0700 UTC**

573/31 Attention

94676 29821 25366 61345 07102 50513 54921 55042 23279 58588  
72598 65507 14432 03565 56357 25794 62627 16992 13271 40656  
05007 15976 92337 39536 46868 44027 41945 88493 13914 75427  
56171

Attention (message repeated) Out

**12984 kHz, 23-07/27-07, 1345 UTC**

911/30 Attention

44483 97987 22770 17930 18973 23670 22854 92752 87289 56825  
84473 98856 98311 01269 00192 97682 62070 44032 73074 29865  
77231 63595 69937 65132 90967 92588 93269 68491 90702 98288

Attention (message repeated) Out

**14575 kHz, 23-07, 1645 UTC**

333/35 Attention

21184 70430 01580 89747 25291 14998 68199 42516 96841 54124  
77617 43775 12170 35050 99699 38889 36568 42269 55818 48075  
22233 50412 60929 34704 62197 24057 62286 16404 27147 37643  
08545 08253 99951 38022 59468

Attention (message repeated) Out

**14575 kHz, 25-07, 1645 UTC**

336/50 Attention

08385 14166 19852 07545 21224 05365 46373 40695 92188 19101  
10310 80363 25119 27621 57151 46254 97227 87239 75450 69937  
31958 13094 23625 99394 26335 86155 95075 12820 05942 85831  
76003 39146 56163 29621 10348 13561 51205 17699 60952 92107  
47248 24314 00128 60463 74414 43584 98383 34513 84983 71641

Attention (message repeated) Out

**8545 kHz, 31-07, 1045 UTC**

690/23 Attention

07446 92447 57635 93839 89547 36792 61024 80908 65626 62735

07479 31864 22746 08244 77930 10529 32994 60072 26368 54768

84881 94943 21243

Attention (message repeated) Out

**E17z****16781/12851 kHz, 04-07/11-07, 0800/0810 UTC, AM/USB**

674 298 5 33640 38293 43330 32403 88443 298 5 00000

**16781/12851 kHz, 18-07/25-07, 0800/0810 UTC, AM/USB**

674 801 5 11171 64385 82707 06123 22536 801 5 00000

**G06****6887 kHz, 11-07, 1830 UTC**

842 996 996 15 15 = =

15830 48648 48642 68751 59874 18789 87542 97893 48972 89724

48644 18948 17425 88423 18684

996 996 15 15 00000

**5943 kHz, 12-07, 1930 UTC**

218 974 42

45671 65736 96930 23572 72375 23672 92358 23653 29359 23659

12345 23582 23692 60232 23658 23689 13245 23682 03956 01956

69382 23765 83726 96874 27165 96844 43837 34572 28716 65896

23876 26372 90684 76845 27252 13945 76845 94038 37265 57693

48690 03856

974 42 00000

Windows shut down sound

**6887 kHz, 25-07, 1830 UTC**

842 974 42

45671 65736 96930 23572 72375 23672 92358 23653 29359 23659

12345 23582 23692 60232 23658 23689 13245 23682 03956 01956

69382 23765 83726 96874 27165 96844 43837 34572 28716 65896

23876 26372 90684 76845 27252 13945 76845 94038 37265 57693

48690 03856

974 42 00000

**S06****15875/13469 kHz, 04-07/05-07, 0830/0930 UTC**

842 735 42

31291 79516 92983 81393 50810 69738 23507 12632 07848 97629

69559 40232 54309 81221 88169 58687 84449 75427 47716 54009

23892 61311 93059 23126 95437 18674 27174 75806 97417 61611

07724 11289 55594 41758 82019 86808 34530 48893 08791 20198

19367 63590

735 42 00000

**15875/13469 kHz, 11-07/12-07, 0830/0930 UTC**

842 619 45

54675 22121 06899 91641 61454 75120 61983 91634 54884 62612  
66293 73119 90377 22524 88537 50013 64455 47108 13200 35835  
75158 53790 38515 52294 58734 37368 81167 71564 94783 64437  
92428 15796 97047 96191 15398 61588 32030 50182 38050 24969  
32643 37323 21768 21813 99050  
619 45 00000

May contain errors as the signal was barely audible during all four transmissions.

**15875/13469 kHz, 18-07/19-07, 0830/0930 UTC**

842 705 36

91059 71128 85734 47986 19839 79433 91015 01674 67145 22730  
03337 52525 17941 10864 72096 23398 40782 32972 49792 85834  
13664 55474 25727 47359 54266 42040 69582 88095 96777 06458  
39544 20136 82490 34363 34662 68098  
705 36 00000

## ***S06s***

**12836 kHz, 02-07, 0810 UTC. Should be on 12936 kHz**

352 490 6 36880 33582 44060 33600 47061 46300 490 6 00000

**11530/14977 kHz, 03-07, 0730/0740 UTC. Sent only 5 groups.**

**11530/14977 kHz, 10-07, 0730/0740 UTC. Sent only 5 groups.**

745 918 6 43806 44187 46688 40529 30535 918 6 00000

## ***S11a***

**5149 kHz, 03-07/05-07, 1100 UTC**

370/32 Vnimanaye

50724 00654 07192 74126 53476 46112 36100 90967 52722 93998  
38334 88736 96549 44710 10982 80856 23817 80397 65547 88758  
34991 69866 31512 59462 29195 60520 19408 00530 34823 36866  
83852 39592

Vnimanaye (message repeated) Konets

**12457 kHz, 03-07/06-07, 1850 UTC**

284/34 Vnimanaye

24448 14874 14032 10598 69448 39091 33195 42630 76059 90073  
93180 10494 04579 44539 84231 57682 42301 71112 62020 84382  
56402 74475 51279 46819 29314 77302 73988 68494 35911 77692  
48781 18662 51363 07480

Vnimanaye (message repeated) Konets

**10210 kHz, 08-07, 1015 UTC**

471/39 Vnimanaye

08379 77228 11295 23751 38190 07359 57553 51779 31411 49426  
45324 83245 63435 16922 19779 64882 63802 41691 08325 45000  
32322 61741 83125 65014 94847 72482 58948 70621 40042 82447  
71754 19208 23810 29024 29453 10763 38046 04860 15497

Vnimanaye (message repeated) Konets

**6977 kHz, 12-07, 1020 UTC**

425/40 Vnimanaye

82029 93542 05662 75139 83017 18136 98108 25608 96814 19845  
 01015 91470 61129 80142 62297 36061 39286 74673 83770 96015  
 96801 11506 98154 01626 57071 82868 77285 49174 48116 58082  
 30863 08975 43450 39010 83506 79175 23723 02301 91970 56674

Vnimanaye (message repeated) Konets

**5082 kHz, 15-07/19-07, 0915 UTC**

483/35 Vnimanaye

73774 64235 72370 57329 68689 54137 80385 46095 57733 99092  
 45698 47492 69340 45804 92761 20284 54472 52817 12607 17779  
 15005 22566 82518 49037 48932 30866 85879 50754 19326 86325  
 01869 77546 86922 45197 02464

Vnimanaye (message repeated) Konets

**V07****13521/12121/11421 kHz, 21-07/28-07, 0300/0320/0340 UTC**

514 514 514 1 7530 102 7530 102

45409 80605 96984 59439 92647 56573 49431 10728 69294 38624  
 01239 35043 85892 94767 10940 55249 27837 28418 92372 84470  
 33454 78015 30369 20179 43129 96670 95787 36036 46912 95859  
 95712 62551 50100 92354 04159 00999 47434 10281 58479 28351  
 99911 99018 19875 69352 39218 73228 85402 82583 38884 87660  
 18472 17475 01332 22893 83125 55908 08979 11216 66726 80943  
 10226 25628 70519 36960 25085 95810 72330 31469 41283 06250  
 81045 52852 17000 36415 28911 80538 66446 75353 61372 93378  
 90348 70973 85635 54459 11233 85627 80109 52118 04824 49407  
 66770 24994 47295 83972 88066 51491 61410 82822 41729 36251  
 85760 24051 000 000

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

V13 has been quite active in July. Below the slots and stations, plus this month's logs.

0030 UTC, 11430 kHz: New Star Broadcasting Station #4

0200 UTC, 18040 kHz: New Star Broadcasting Station #1

0230 UTC, 18040 kHz: New Star Broadcasting Station #1

0700 UTC, 18040 kHz: New Star Broadcasting Station #3

0800 UTC, 18040 kHz: New Star Broadcasting Station #3

Freq	Date	UTC	Details
18040	15-7	0738	New Star Broadcasting. 4FGs i.p.
18040	15-7	0830	New Star Broadcasting. Intro music followed by 4FG traffic
18040	19-7	0130	New Star Broadcasting. Traditional Chinese music intro, followed by a message in Chinese
18040	19-7	0826	New Star Broadcasting i.p.
18040	20-7	0700	New Star Broadcasting #3
18040	23-7	0701	New Star Broadcasting #3
18040	23-7	0800	New Star Broadcasting #3
18040	24-7	0801	New Star Broadcasting #3
18040	25-7	0700	New Star Broadcasting #3
18040	25-7	0801	New Star Broadcasting #3
18040	31-7	0203	New Star Broadcasting. Sudden stop without typical ending behavior, then a very faint restart, before eventual normalcy.
18040	31-7	0800	New Star Broadcasting #3. Music and message

## MORSE STATIONS

### M01

#### 5280 kHz, 04-07, 1800 UTC

025 127 127 30 30 = = =  
29671 18666 05297 17782 87836 38623 70711 93019 35978 38830  
19978 36411 39164 26245 09053 17803 36100 16140 18515 63231  
17349 82974 52747 56150 88290 84980 42382 19035 15518 16930  
= = = = 127 127 30 30 000000

#### 4905 kHz, 04-07, 2000 UTC

025 305 305 30 30 = = =  
31585 65424 79989 38072 35879 64258 15510 60471 20323 90838  
28203 71564 54718 27324 76980 00783 67004 59546 91892 07002  
79278 09038 95165 13543 59391 29201 04637 43649 10616 83091  
= = = = 305 305 30 000

Errors. Some groups were not repeated. 1x 30 at the end.

#### 5280 kHz, 11-07, 1745 UTC: VVV VVV VVV

#### 5280 kHz, 11-07, 1800 UTC

025 734 734 30 30 = =  
20161 93338 81802 98777 35351 79600 36731 60100 82464 55101  
01730 50837 99306 39018 55903 14289 39534 24205 54263 97830  
09250 (98250) 12933 96565 95545 31016 77295 97310 16369 1655  
55845 38188  
= = 734 734 30 000

Different repeat for group 21. Group 29 (1655) is an error, the last group wasn't repeated.

#### 4905 kHz, 11-07, 2000 UTC

025 717 717 30 30 = =  
23739 78886 04762 91673 24576 41782 91117 58773 33444 67231  
66089 14066 7W278 96585 64806 59507 91338 62784 49454 05313  
31530 00923 29944 69270 80887 98338 58147 84732 35038 33808  
= = 717 717 30 30 000

Note: All groups sent twice except Group 4 sent 3x. Group 6 sent 1x. Group 30 sent 1x  
The "W" in group 13 was also sent in the repeat

#### 6435 kHz, 13-07, 1500 UTC

025 307 307 30 30 = =  
98704 24998 58751 87489 29044 77878 04619 60123 36399 77658  
66167 94539 57479 26573 22600 98348 80659 42878 41416 42827  
54324 45841 04397 10604 12363 26657 70180 49881 43158 78788  
= = 307 307 30 30 000

#### 6780 kHz, 14-07, 0700 UTC

025 131 131 30 30 = = =  
87345 77542 20752 12324 89598 45976 34488 31077 30887 78450  
66080 70443 72745 34223 53279 34987 73430 50887 56348 39557  
87281 84045 89547 32354 72664 65706 21753 69121 69198 92533  
= = = = 131 131 30 30 000

**5280 kHz, 18-07, 1800 UTC**

025 217 217 30 30 = = = =  
 97560 36642 73306 44919 39922 98187 88900 92663 96006 14822  
 28291 14831 81896 02080 07232 71784 15913 86657 48840 07462  
 95881 13996 05017 17551 47020 22573 14472 11833 76809 97867  
 = = = = 217 217 30 30 000

**6435 kHz, 20-07, 1500 UTC. Error in group 10. Restarted with group 9.**

025 223 223 30 30 = =  
 82069 70979 77435 82674 44468 11587 06539 93771 70335 26389  
 84138 EEEEE 26389 84938 79283 23941 19608 48195 24793 54724  
 30038 37171 61164 07579 20056 77040 01176 60989 17212 66332  
 93324 81436 08003  
 = = 223 223 30 30 000

**6780 kHz, 21-07, 0700 UTC. Two 4-figure groups**

025 731 731 30 30 = =  
 56200 30069 98653 93238 9986 98164 8996 40694 44291 27487  
 28828 06521 88896 94671 14676 65222 43882 37677 97267 20951  
 36646 44752 41186 13285 59625 39923 01396 42643 01483 88339  
 = = 731 731 30 30 000

**5280 kHz, 30-07, 1800 UTC**

025 221 221 30 30 = =  
 11612 91264 70970 73480 15713 69415 40326 36670 71600 88706  
 36208 47443 39063 58573 12173 29975 36148 27644 89551 37782  
 07148 76272 31585 24071 04573 36913 91610 05779 47022 42778  
 = = 221 221 30 30 000

**M01b****5125//5735 kHz, 01-07/08-07/15-07/22-07/29-07, 1810 UTC**

364 535 535 31 31 = =  
 83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714  
 = = 535 535 31 31 00000

**5150//5475 kHz, 01-07/08-07/15-07/22-07/29-07, 1915 UTC**

858 535 535 31 31 = =  
 83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714  
 = = 535 535 31 31 00000

**5095//5760 kHz, 04-07/11-07/18-07/25-07, 1830 UTC**

815 535 535 31 31 = =  
 83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714  
 = = 535 535 31 31 00000



**5075//5465 kHz, 05-07/12-07/19-07/26-07, 1902 UTC**

336 535 535 31 31 = =

83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714

= = 535 535 31 31 00000

**4895//5340 kHz, 05-07/12-07/19-07/26-07, 2010 UTC**

467 535 535 31 31 = =

83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714

= = 535 535 31 31 00000

**5065//5805 kHz, 11-07/25-07, 1940 UTC**

936 535 535 31 31 = =

83022 02388 04791 86693 81355 83707 96066 69246 45133 63493  
 94512 83694 30183 15021 55884 87594 38278 97049 84775 97422  
 66133 04884 97254 33285 48225 12003 22242 27323 75686 80975  
 90714

= = 535 535 31 31 00000

**M12****11435/10598/9327 kHz, 01-07, 1710/1730/1750 UTC**

938 938 938 1 4994 110 4994 110

71065 25281 75937 85814 95548 99375 37684 53860 77288 80416  
 02237 49726 13985 71172 74592 69640 01925 30079 91409 13829  
 76253 46651 66505 30986 13159 25512 44264 00436 68515 21279  
 23221 23254 85230 47838 91388 73787 70480 96156 25199 82056  
 40441 03261 61016 13068 94962 08022 84410 76586 53941 78519  
 61995 30442 29756 90478 18361 96420 24770 44973 24770 40482  
 99977 81672 70607 44265 64509 19900 27699 81917 68660 17930  
 54222 33093 02130 11170 75235 91463 50253 24007 94140 96419  
 07632 28123 97366 93727 97948 51376 96841 58145 83641 81891  
 71062 80149 70537 20578 56341 12415 99360 04659 62739 40271  
 16448 79291 11710 66441 90033 56210 59431 94204 90920 99511  
 000 000

**8047/6802/5788 kHz, 01-07, 1800/1820/1840 UTC**

463 463 463 1 2526 99 2526 99

34039 40201 98246 08743 73292 15106 52095 34764 46545 71327  
 95584 68390 90059 37974 74201 69440 19924 84154 71298 69198  
 48599 02472 35839 02194 56339 98537 24141 75675 81652 66291  
 24939 94440 75867 60587 73976 23477 84333 32104 65558 26315  
 22352 81971 45082 48101 23760 80227 03794 01040 93246 79441  
 56956 25023 38027 22129 03074 20082 97106 14151 71336 53107  
 41321 39912 23311 99739 62940 79055 79538 01611 46801 92121  
 63441 49404 29353 55905 62678 63883 59057 37881 51054 51662  
 38071 35324 53297 10880 14596 54207 84966 95212 66312 59214  
 64450 46995 18361 81082 77102 50890 21238 35876 21692 000 000

**10343/9264/8116 kHz, 01-07, 2000/2020/2040 UTC**

124 124 124 1 8031 105 8031 105  
27059 28277 76796 47746 92075 36703 29179 00710 71994 84094  
34720 40062 83504 86438 34937 70140 77211 32017 72597 76605  
97936 31937 30914 76537 31783 62393 57067 37583 69672 88546  
57460 44978 92346 97834 27205 67174 68515 54053 10932 11497  
27703 54268 25720 24757 14707 22192 72152 29680 04028 35095  
20484 10533 99107 16586 12536 02969 62673 03944 19049 63181  
46730 45368 44778 59890 54439 22625 72366 57468 76820 09757  
85920 80816 06405 70549 43202 95131 70948 54980 73807 21923  
48492 19746 70062 91610 12219 50574 85441 04646 60936 90344  
76799 98897 53227 07381 89728 40867 66275 81302 61963 35671  
77429 48193 62722 66012 75741 000 000

**9317/10484/11552 kHz, 02-07, 0530/0550/0610 UTC**

135 135 135 1 6004 109 6004 109  
70154 01583 76647 68365 80134 78956 20068 61547 25664 95961  
70957 82786 06131 26759 77091 04077 83420 31436 09044 47947  
93359 87476 05826 79661 86978 36359 70568 74377 05346 31032  
32716 67425 52726 24009 25443 73641 30712 57534 73550 63394  
80068 81613 23453 26404 43341 74462 75449 43522 20356 47400  
32455 45413 84807 86141 63848 32840 93789 01254 45097 91538  
40631 69356 32586 67254 45640 32423 86272 01628 48321 27494  
37416 37857 83149 69903 52974 81724 31805 77907 78601 40866  
09024 22679 02453 55649 37164 75015 15864 31441 51132 71668  
55014 35138 68644 15965 73325 15906 45106 94205 01803 36978  
08746 30750 33135 14735 40507 14953 96469 24679 79653 000 000

**11435/10598/9327 kHz, 02-07, 1800/1820/1840 UTC**

938 938 938 1 4950 110 4950 110  
93899 63388 20726 74718 12030 41267 79535 09091 17848 38374  
84605 92309 35617 82850 17705 27061 33316 75824 36746 13272  
86293 69963 64109 19833 17894 73518 86333 23362 24676 54131  
99080 85317 09152 41231 98973 19480 30865 31573 55301 91052  
38601 94926 06318 69161 10212 63020 48052 34561 55290 58281  
25906 72263 39096 04005 11849 35507 89689 71104 40086 18405  
63291 72919 00137 37445 69148 33589 23224 40470 16139 12022  
95258 91180 23001 13360 33033 52036 73787 56307 44145 11007  
14631 37948 57403 53982 27904 26333 64625 07708 30282 47435  
26733 70659 94988 78446 35675 04393 54270 46599 77651 21919  
29691 97728 82773 19864 01784 97302 00574 23976 06564 21627  
000 000

**13423/12123/11523 kHz, 03-07/05-07, 1210/1230/1250 UTC**

415 415 415 1 7995 100 7995 100  
21891 64012 78700 44242 53213 88739 01200 25001 86003 88479  
55110 53362 98052 86189 22100 08207 84728 48542 04570 06162  
58768 58299 05618 45036 09520 21223 34194 15024 09407 12597  
32942 67031 92182 03989 27722 06753 39023 05741 14994 66873  
51262 37100 48217 87354 27065 79752 16101 28319 12279 82059  
11117 38358 32743 40348 41825 30223 42572 23649 82231 75583  
03108 33173 49995 07264 22152 04789 35256 14103 79571 74770  
43086 70426 31332 62711 12245 82273 75350 58087 87678 58472  
34392 72707 34579 05260 36836 33936 18852 25648 90728 27365  
85978 29953 89332 87651 59639 06104 32984 53482 13753 70829  
000 000

**12162/11566/10711 kHz, 03-07, 1710/1730/1750 UTC**

546 546 546 1 9230 111 9230 111  
80849 30488 15352 47188 85462 97054 85091 17343 86040 55855  
16215 94313 61474 63983 24698 31449 80704 07111 68111 26119  
39573 92970 42251 78695 60515 14584 99290 27462 76720 94071  
76994 76199 70726 38313 29932 18816 00392 37809 88682 12602  
81328 16448 92877 62978 09363 46271 35734 09999 18275 60698  
04498 10243 70013 65087 68795 05463 04510 66766 62804 93439  
61940 34545 81620 02873 79989 80848 58156 00610 62168 53661  
90969 90620 16859 05079 30939 14355 94609 25752 59042 19213  
62610 96604 24336 70563 24031 87194 94138 42438 41754 39115  
27751 93164 00416 54373 19594 16162 33786 20392 70862 44022  
42464 55963 88764 38678 78365 23932 61569 90299 55306 96231  
61922 000 000

**12162/11566/10711 kHz, 04-07, 1700/1720/1740 UTC**

546 546 546 1 6409 110 6409 110  
71992 24841 75678 95134 39492 54046 31674 50238 98388 32339  
20354 42182 03175 94495 34040 74948 15143 39606 84795 54257  
99726 51961 94240 37372 03637 47563 83045 11219 94377 58985  
22591 94672 45722 93002 92309 18808 32288 55956 51501 87265  
05435 59039 44133 78148 22999 97961 38607 13208 30798 07669  
19049 00582 51867 58672 98689 69752 00278 86787 87040 35946  
15365 48782 02221 82196 84100 75993 18217 36214 79303 15181  
43317 00058 83807 73766 00341 20025 06393 40292 39140 89124  
49130 31892 75074 20091 54283 71874 02195 27193 49616 46493  
34261 87811 67304 81587 89505 26885 53050 61451 38133 34321  
11384 73073 07786 41045 51762 10317 99474 47215 37565 86470  
000 000

**12162/11566/10711 kHz, 04-07, 1800/1820/1840 UTC**

546 546 546 1 5600 105 5600 105  
25036 47090 55600 03185 39458 99204 46283 24727 68099 08068  
99025 15072 22677 07808 96589 82861 19509 59876 39003 04013  
43696 23875 63474 97261 98036 66184 35037 45391 02675 95956  
70523 58034 78992 30731 06182 15398 67205 68804 03270 57976  
98846 87278 24647 31100 90463 50510 07594 85462 64598 51902  
90615 31745 97634 55061 21084 59981 32038 90159 40440 64255  
37773 22118 61081 18459 13473 79568 17511 99453 92923 41789  
62753 79281 33716 59664 85062 42752 13794 08281 85923 74629  
52817 59020 71584 86012 34892 09783 06733 43941 02407 45465  
19936 23227 82313 77237 59562 56184 60480 50502 55176 33841  
43919 43591 30280 06354 21856 000 000

**14377/13461/12114 kHz, 04-07, 2000/2020/2040 UTC**

317 317 317 1 8823 109 8823 109  
30404 56738 34343 64557 18204 62423 32209 07228 33859 43052  
12215 91342 97230 08566 17027 00901 28328 20401 88050 37253  
53383 32686 66390 53779 50023 09760 54888 31723 61306 78682  
70538 01056 37690 22061 66484 95891 50649 19931 47164 95100  
53935 07732 29048 22500 46769 02027 19742 45594 78373 26508  
92746 71764 16066 68834 02335 03234 74501 84192 00392 53813  
37341 05211 79046 62015 83142 29650 05939 46375 87933 23691  
32289 55805 15622 56324 10580 48362 21145 51221 29259 40477  
72493 17744 75086 65163 69569 75955 13403 55745 33997 83280  
30634 97736 36680 43155 88931 64696 14425 12214 74554 59333  
00311 56580 49721 30953 70228 28038 96270 93859 31551 000 000

**8047/6802/5788 kHz, 06-07, 2000/2020/2040 UTC**

463 463 463 1 2223 92 2223 92

43992 26506 41202 12248 05537 12517 28741 96610 94778 00251  
55978 77519 75667 48465 59388 32047 02283 86644 52338 23753  
90275 43411 49872 90499 80985 08942 62794 62465 10939 98576  
08638 39361 45230 33464 07475 43520 05782 02700 54902 64360  
66404 61510 29832 78531 27921 45928 29894 15784 03642 72235  
24831 18413 58644 14580 11806 33324 93606 21140 98629 16121  
02832 97214 89409 38228 50254 84424 73721 14722 77134 20274  
78883 27533 90273 23927 35587 29858 13000 38645 19021 10218  
62719 83907 57797 76706 97548 79958 82056 57883 84518 83627  
66908 45222 000 000

**10767/10167/9267 kHz, 06-07, 2100/2120/2140 UTC**

712 712 712 1 6218 140 6218 140

56953 48072 91961 19252 03535 09596 32976 87432 98377 10583  
21373 64268 16124 81153 14438 39880 02116 19774 22239 84055  
89120 08678 19881 45577 75645 57186 39212 76239 49225 78273  
53630 38667 42358 98692 58521 92672 41575 20096 38074 58820  
72609 39314 87163 68176 99417 12336 10985 50989 24814 79859  
11605 69751 80730 95298 27953 07700 52074 08860 03104 32481  
72656 76051 90046 38092 84173 16681 37082 88440 62078 79243  
93552 34796 12104 67906 14552 41802 14290 53334 06079 75297  
59799 42157 87071 34153 88286 62941 14636 75429 23579 19612  
52504 63732 34861 84790 32743 34531 69516 66407 82431 10485  
45733 71129 27720 45539 63977 12696 80538 66789 84364 78861  
34964 14708 23012 88821 67964 69341 39657 29308 78663 10606  
27963 39722 42830 62324 90431 17304 57408 43012 38801 14398  
31096 35231 51413 73272 49617 38574 47811 58945 42233 03554  
000 000

**9284/8084/7584 kHz, 06-07, 2210/2230/2250 UT**

295 295 295 1 6274 90 6274 90

43099 93070 47322 26577 31898 11177 75876 87738 55569 49327  
42238 41086 28101 53915 87412 36183 27467 12867 06964 90506  
97768 12921 16251 80846 90735 77537 21767 77419 86823 86801  
55094 59128 11888 76169 14993 13320 61088 89011 76024 43656  
27481 06689 12734 05095 99422 64326 61018 39589 85883 28686  
42960 30983 27646 39416 98662 21940 12765 94348 03466 64376  
27334 97169 44350 80047 73441 76770 84082 37929 72748 01139  
53887 09312 23634 15710 28869 03713 56162 03128 33600 35097  
11371 59475 31715 25452 61156 95657 85070 77900 44029 76647  
000 000

**15821/13921/12221 kHz, 08-07/10-07/15-07/17-07, 1400/1420/1440 UTC**

892 892 892 1 9295 153 9295 153

88927 14418 75631 98001 30775 60204 52536 91590 46378 65719  
02547 91753 68468 89580 70966 01880 59373 79827 53579 90004  
15454 27087 90733 17117 80758 92257 94296 96737 43313 51370  
88062 83259 11708 64877 33586 33615 26560 03918 46446 02764  
73851 89836 39487 62648 78379 52145 96731 57092 49352 72022  
63619 62383 83541 10104 70096 51718 10788 32006 07575 16994  
96607 21689 85296 62073 71246 76890 30800 71888 38675 63809  
82862 05606 14485 46636 24981 04125 50330 96554 97023 28085  
33307 34187 03292 66289 69359 18987 56479 20595 81552 63467  
02481 76980 39639 32057 38201 97815 21256 70777 51072 85930  
08505 14243 72058 33463 84592 35357 65910 61072 93322 22759  
24784 77058 07663 56129 06670 84076 03929 44756 43021 36671  
65373 80353 92233 59579 86555 75699 36258 25493 47437 87426  
24003 60323 92083 24545 85374 41394 19381 90406 00955 96486  
25276 36461 48595 24327 41422 35899 34264 94275 33222 92590  
83540 19463 00344 000 000

**11435/10598/9327 kHz, 08-07, 1710/1730/1750 UTC**

938 938 938 1 5275 110 5275 110  
19117 87850 56744 60528 34992 22735 79581 35725 09607 89517  
36173 69195 60593 50931 02278 37913 27552 08844 43879 94761  
89106 03399 80962 94972 72497 74588 90205 35482 74855 33259  
40944 54139 68509 87908 39155 33933 31983 50859 84185 98857  
53166 53491 25895 48664 79410 88295 45367 90318 25847 35131  
12119 59957 60537 71125 44581 10946 36974 23161 00731 10579  
23977 66308 59594 01885 39505 41669 15244 97107 50186 04880  
92626 28822 05606 96045 30719 37744 97259 98081 18977 04116  
33337 94523 51373 22007 16234 40939 86570 54980 43856 95244  
74045 71093 85124 85667 83202 78674 98491 45113 34941 81507  
38576 42018 95244 91200 24423 43784 62590 03727 25934 81501  
000 000

**8047/6802/5788 kHz, 08-07, 1800/1820/1840 UTC**

463 463 463 1 4777 95 4777 95  
24310 24488 96836 60969 26706 52436 74815 79249 95988 75281  
10281 57255 09110 47778 78569 76819 99615 72999 96798 04783  
97494 24594 99055 02962 28889 01579 28970 25762 26050 96138  
74151 09594 09891 00253 54239 68289 30291 87369 39822 38039  
93503 31754 26700 07883 26560 56016 88880 05168 60027 72821  
69206 37807 61595 47809 45196 28392 38899 86826 26191 54872  
93726 18243 44974 83596 88636 83271 80563 90528 03482 87443  
28804 06458 75425 38244 77315 44808 19739 02512 25041 49128  
94996 55640 68467 77035 13121 16800 53528 60774 45005 31363  
78777 62784 86635 23170 79390 000 000

**10343/9264/8116 kHz, 08-07, 2000/2020/2040 UTC**

124 124 124 1 8776 109 8776 109  
33574 79496 47756 05281 06817 53777 58711 17369 39533 25491  
02798 64308 31600 69644 32697 01575 08857 20735 63375 23327  
29048 76827 59548 42148 61297 09845 77302 08479 62559 77880  
92840 06067 87469 76528 68351 46690 31935 58991 48891 88852  
11504 18326 49054 78014 96504 89443 58708 15874 64727 47253  
07712 46566 24980 58362 10167 49229 16902 80954 59122 24821  
54522 15037 43375 55952 59527 17945 91004 70771 20679 16477  
57296 66340 36687 33238 48149 42026 52178 48037 07277 64895  
83192 83801 35084 05893 42957 75463 04067 11249 10014 46426  
15861 64625 39161 85303 93301 41712 01192 56351 64095 19305  
93397 81747 48595 27146 12796 42450 48653 77224 39886 000 000

**10807/10207/9207 kHz, 09-07/11-07, 0700/0720/0740 UTC**

822 822 822 1 9947 98 9947 98  
94724 55535 96335 25957 91662 89351 49971 68473 41513 45754  
06479 90264 30573 50371 61523 89059 07226 38778 43655 68221  
89258 01969 70866 77546 54828 18538 80266 97594 61074 13204  
22413 65973 78813 24883 37468 64012 79461 27855 29073 00850  
36779 63750 08835 45629 10161 03360 80182 49801 75859 34557  
77095 12867 97391 67469 76600 73270 04956 99533 85969 40813  
46826 02731 18312 58977 80551 95568 18007 36311 36389 80340  
37920 02769 97599 49971 09629 26597 57252 50462 37904 23813  
05340 57720 14511 33129 87259 58062 18506 95402 65378 73860  
05952 88379 51630 74398 51941 19330 82919 55808 000 000

**12162/11566/10711 kHz, 11-07, 1700/1720/1740 UTC**

546 546 546 1 9303 106 9303 106  
37009 39835 33908 79206 18980 05780 32852 06268 64841 03347  
96800 47109 82921 04487 07520 70579 62310 74747 35169 54520  
59566 20503 41412 68824 67004 45825 24263 76648 68603 10043  
56384 88421 61341 98874 92337 70973 45480 50415 82321 44293  
22394 22907 79797 07545 84616 69122 28030 12438 31348 95441  
79834 85138 31774 88385 82252 70126 14614 30682 50154 13600  
01692 57217 74966 85621 72469 70610 34126 98789 68514 11485  
67392 86995 40103 32606 07835 96318 56753 51207 38824 57471  
94325 89932 13819 82577 29633 19599 22608 02595 61875 99725  
31798 97083 83940 97828 57611 01973 12236 05619 37656 21476  
21439 65577 88252 51689 30725 30059 000 000

**12162/11566/10711 kHz, 11-07, 1800/1820/1840 UTC**

546 546 546 1 599 109 599 109  
35655 05770 69168 92383 40979 46103 84577 30847 13332 15210  
24870 25960 34641 23385 83801 17657 21800 46875 71234 76910  
78670 85769 58488 15637 55637 71563 47540 35082 88179 96342  
19534 22203 79124 73984 64718 63848 08042 42207 13054 97831  
67406 62447 83822 98709 50913 24269 94522 33085 27728 85825  
00836 58373 20858 47509 58857 83624 76919 86157 50352 29134  
09730 22368 11025 60750 86933 54325 82284 78607 52475 39196  
12526 49494 78019 88187 83685 51270 52463 66929 83769 62376  
57318 86771 27789 44383 28989 46098 28505 79385 99217 06864  
18434 68413 26798 42731 41533 36818 87346 43168 94142 31233  
89449 03101 90325 42324 01152 09009 13570 92846 02048 000 000

**14377/13461/12114 kHz, 11-07, 2000/2020/2040 UTC**

317 317 317 1 3223 110 3223 110  
88695 67515 04816 01097 06123 55434 06250 19140 30539 38170  
44865 17459 13265 31305 00583 91730 73720 58599 35549 08885  
24019 39936 99052 75969 55301 55092 13878 23526 59230 34922  
48180 61904 88004 51379 40603 52007 05878 32071 13587 79194  
21227 41144 40923 29320 30568 04826 60055 93593 10526 04345  
76981 15547 93887 30374 94389 25397 61378 01243 37024 72743  
00605 32198 62670 70196 28930 14131 08856 65315 89256 11216  
71771 20204 80778 83003 26948 25378 91974 90044 53376 82578  
71284 01398 77414 70029 73568 83279 09681 88133 77067 88129  
81280 45695 69698 70595 88791 02999 01981 86886 32276 70179  
72260 04369 26794 49789 11722 66923 91192 79381 43184 75221  
000 000

**8047/6802/5788 kHz, 13-07, 2000/2020/2040 UTC**

463 463 463 2306 94 2306 94  
14114 82877 86989 28395 53222 29092 34305 19954 74535 94225  
07908 82882 92844 32837 39748 07873 76742 55226 90035 55081  
66951 19427 13155 34428 79567 28492 46056 17130 61055 69481  
01704 60278 25402 42693 52022 69001 34671 38019 14348 06020  
33546 80577 79164 87809 62492 08541 08808 08013 22231 13709  
19134 08515 95157 81184 97556 39180 71540 07457 13053 71753  
01859 33660 06708 79746 16512 67919 22540 62047 71846 45976  
83291 45723 53478 81202 59279 98047 08250 89625 04711 37067  
33850 90592 64352 71869 85951 01156 27464 70741 74609 51284  
18369 83239 79939 80615 000 000

**11435/10598/9327 kHz, 15-07, 1710/1730/1750 UTC**

938 938 938 1 9814 113 9814 113  
53864 65620 26624 33097 43487 18823 22683 34685 72001 01827  
82844 18992 77398 09890 87249 23376 09544 93131 44657 08120  
12928 10452 84232 72849 77575 40668 31165 80353 88603 91339  
79633 37164 04869 63674 79300 81445 26361 35721 09713 40917  
65692 86525 22702 30155 15353 71176 81379 60332 69579 81799  
38455 02055 64866 08005 26838 20554 54282 97719 40885 11809  
91636 60063 96419 12937 21910 28976 12565 48916 86079 86783  
91436 82534 70302 71755 32878 50112 61037 97197 12578 73042  
78130 62640 70418 50022 09783 17190 20794 70630 60789 17482  
72711 70208 91747 73560 53626 92881 32263 02577 77640 53312  
82887 45452 51384 79007 48792 76220 58753 04398 48942 63702  
53238 05950 73247 000 000

**8047/6802/5788 kHz, 15-07, 1800/1820/1840 UTC**

463 463 463 1 4676 95 4676 95  
85736 68308 31696 46460 73591 15303 72518 00291 33625 00789  
36656 59715 15370 06516 34457 36241 18400 16942 03149 89824  
35525 81182 86293 20279 46195 02059 38098 53141 94113 40107  
77120 64575 61689 05318 99759 95051 90982 66891 17495 88222  
87027 89530 13955 52862 47496 24801 12732 20703 61480 77939  
60598 02054 31419 85633 44735 22698 55405 16841 99159 56381  
10504 12245 86169 86368 27213 53139 69777 49464 83383 38461  
93709 48469 80949 89494 92719 83370 68510 32672 64766 73995  
44411 65501 05763 95836 62668 44152 44326 23393 76562 17136  
15528 17736 24986 51400 51808 000 000

**10343/9264/8116 kHz, 15-07, 2000/2020/2040 UTC**

124 124 124 1 9833 107 9833 107  
54093 33369 29152 78129 31024 81061 91476 42158 33281 19785  
60642 43754 12759 05488 57635 09102 84214 85042 04606 05681  
65890 94282 42626 70600 54968 01674 42396 25205 42127 77338  
09676 15219 77537 19763 27556 23780 27384 56534 73107 67846  
80696 23113 87407 04692 53426 96579 54222 21321 15496 98137  
20820 46437 68317 34284 91470 09456 05197 56017 66045 31212  
46288 05010 51867 06322 74018 20027 87222 32216 95911 47474  
67895 05105 05831 88533 84273 14993 46271 18371 80256 36593  
51046 25163 55260 32120 95814 71609 59057 36809 56736 27543  
15284 02899 09068 55787 64035 27551 96178 96116 08808 66040  
70776 64931 37279 47289 83617 85048 66044 000 000

**9317/10484/11552 kHz, 16-07, 0530/0550/0610 UTC**

135 135 135 1 9653 110 9653 110  
58159 43909 11893 45639 98404 98113 47980 25187 54557 85498  
27946 63119 61765 31990 84753 42925 43131 68413 94090 37994  
66599 70302 44855 29459 57761 44840 62979 78234 64398 45438  
43408 88984 22805 15057 46002 04876 99465 38990 89491 46237  
94964 72378 40115 27152 25148 42188 31407 40827 15106 87239  
64714 32479 51484 25140 19970 74180 79892 94363 26021 90363  
26827 64906 91562 63555 72418 58751 71557 01516 45293 01305  
65705 92732 77399 86091 47391 29478 44694 13497 84198 62305  
40481 81793 07958 31347 41113 05414 06313 39886 05567 04604  
59930 29340 27653 43814 32487 96532 69368 17001 36383 29923  
76451 24061 54024 24962 63700 79644 96205 95755 66395 95130  
000 000

**10807/10207/9207 kHz, 16-07/18-07, 0700/0710/0740 UTC**

822 822 822 1 9187 106 9187 106  
13813 79476 07020 13778 82819 59500 83561 71920 20373 25782  
82286 70151 70382 86462 03081 26106 68493 63193 39562 72530  
61592 10484 93734 79697 68779 22830 84925 55400 48870 20785  
05442 56594 85272 70833 21803 30220 19644 14099 77194 13462  
59808 58730 05284 72216 04764 49461 74287 13213 49447 09837  
99544 36797 77596 60908 05088 07015 79840 91976 28276 01295  
02777 06733 26481 21692 19818 47128 09983 26265 46265 63447  
46931 69350 51555 93253 08725 38724 31896 30092 25324 14690  
71338 16124 08118 26201 18862 78504 94771 12064 69549 82610  
18782 67376 75855 88858 70515 12951 54407 21637 33771 58006  
26886 28815 29233 63799 86866 72240 000 000

**11435/10598/9327 kHz, 16-07, 1800/1820/1840 UTC**

938 938 938 1 7010 007 7010 107  
86345 35019 43204 95154 64426 61934 71733 92795 30312 77896  
76446 31078 25761 25975 78291 61309 03966 06379 72913 73690  
28149 94520 18987 95001 51177 48163 25496 21576 61068 92134  
23574 06474 03897 63015 70235 31597 27821 99756 56726 23191  
61976 10220 90591 25688 66549 12972 00571 08059 97547 41813  
77215 06475 90490 95881 44089 81174 03834 37411 33300 83537  
93009 36326 95625 51146 10667 11980 55705 73841 63252 86055  
71165 96327 27511 38678 12620 87049 40333 34045 09569 98148  
99373 45867 25832 13287 98227 26930 06669 57699 86363 40237  
56269 06191 75467 59247 47299 35583 14554 33078 85681 21797  
47863 83376 50269 30813 28558 81377 17618 000 000

**12162/11566/10711 kHz, 17-07, 1710/1730/1750 UTC**

546 546 546 1 3738 109 3738 109  
02054 84393 82679 38826 21808 32919 16847 08375 77940 54485  
42702 94971 65192 24109 55079 51392 97065 89708 58569 25918  
02499 92017 71041 84544 27923 69376 91111 63165 68530 48050  
80475 32162 98258 69834 53898 31518 89877 96457 41435 76054  
59705 51581 26074 09579 94250 38430 71073 82812 71545 71695  
80264 07191 66174 06245 70341 89893 21582 68322 10805 09805  
08237 77746 18269 51257 12914 71390 81842 39214 91961 38210  
97223 88090 54837 09835 59117 03300 98181 18604 48208 42581  
49954 05042 55081 62926 13780 66133 77486 99630 68189 98491  
22320 02057 44714 71112 76610 32991 81110 54186 68056 10932  
86363 56126 83149 22609 29355 85058 22572 18474 83917 000 000

**9284/8084/7584 kHz, 17-07/21-07, 2210/2230/2250 UTC**

295 295 295 1 630 76 630 76  
39654 58631 04451 29845 83650 53258 91668 02676 17468 89973  
19386 25473 78543 78468 77989 34893 00380 65622 09400 09042  
68488 84736 43877 37545 14874 49281 07561 03937 62656 05806  
68870 34644 59964 25690 74133 87159 51482 58236 76921 56003  
11280 24726 20775 77127 46180 29751 86997 83678 36099 82447  
17935 77753 45254 21081 35412 73715 65599 99388 50953 84461  
59750 63140 50038 22495 38137 01786 20674 20085 94176 65761  
29238 22845 06659 06745 58919 10644 000 000



**12162/11566/10711 kHz, 18-07, 1700/1720/1740 UTC**

546 546 546 1 6678 106 6678 106  
44334 41572 28447 34867 97890 14925 10323 06800 97126 17021  
41583 75423 01311 15217 66768 15628 34601 94595 42579 74005  
64954 83901 19149 54391 60352 41060 75572 95053 65474 40184  
20098 60330 63393 64419 04765 15617 49117 64595 81756 32537  
95983 83437 14255 71117 28561 86101 99237 80389 30114 39199  
20365 00365 11327 12887 67323 16317 84119 86686 86627 16943  
11322 47123 46196 69229 46918 01042 57986 71995 04352 25760  
24748 51232 37607 66339 50378 92486 43449 10590 58571 38275  
51474 20958 26367 93206 61323 64654 19721 39697 00917 95892  
05209 37148 74306 38153 96326 62243 15634 57737 58210 66844  
13363 42943 15606 27061 50788 04129 000 000

**12162/11566/10711 kHz, 18-07, 1800/1820/1840 UTC**

546 546 546 1 9529 113 9529 113  
48050 97456 91161 55761 09020 68404 66321 46673 56730 04286  
22888 48854 03419 37857 88025 42610 15632 47537 68532 12637  
25708 32524 11643 57095 52570 07693 26348 58558 11295 52607  
41671 00097 65591 57167 72514 49515 80629 09537 48571 55379  
70920 15537 04849 59390 62882 86898 85817 70327 44157 09076  
62363 52091 57559 46662 45025 10312 96021 51182 50412 78662  
33441 02101 49961 96233 24737 41808 34799 51610 30078 50793  
05229 95076 93127 02976 70120 23051 34968 81409 91841 99097  
31935 93016 54452 44449 97976 62610 35187 24508 41334 46216  
54498 62169 76803 03680 08355 83531 09445 90201 03810 62204  
19416 60949 26859 72454 91660 79248 51580 05378 81808 34322  
47764 02709 68454 000 000

**14377/13461/12114 kHz, 18-07, 2000/2020/2040 UTC**

317 317 317 1 5739 109 5739 109  
45086 96880 62415 59732 20155 01830 38403 34576 70412 78032  
24682 33426 88476 77481 13074 26028 10418 92689 09308 95645  
94121 83839 72135 73397 41580 20095 60578 68209 53282 87940  
51670 88318 83982 76458 81391 18762 41580 53870 75011 14454  
13452 38668 91693 78077 38641 20289 64110 17966 66280 59174  
34671 36949 26862 59482 99411 76745 39546 28307 47463 07565  
65344 49463 69586 30409 65307 24880 90189 86091 23770 52690  
93568 01272 01663 67698 60487 38691 98870 55498 63371 07134  
75613 99685 14352 23857 02701 27666 67344 41741 68547 10759  
78553 48590 12029 31817 05431 26239 29179 71719 66849 48343  
02678 14130 75298 20231 13621 47947 43799 93487 30301 000 000

**8047/6802/5788 kHz, 20-07, 2000/2020/2040 UTC**

463 463 463 1 3513 100 3513 100  
76139 20877 85123 29772 20237 70799 81727 45124 41601 42500  
49506 63861 22988 68858 68538 14213 55795 95750 17501 11814  
63923 53215 20626 74029 11246 93517 95177 15559 53508 00244  
61522 40453 18035 69954 19433 75265 91071 80842 11017 63142  
10603 76294 88894 08227 50533 08256 43844 84044 18993 33077  
80966 05372 83620 49355 57886 71590 68587 44183 31315 72698  
39411 02009 99365 97755 08522 44628 54606 74476 23093 37656  
94138 44186 65823 43308 53083 67689 67068 03222 22600 65859  
94661 64301 68399 84133 10075 26976 19199 21451 60205 49701  
23517 83818 04530 76497 60616 18011 39854 73910 82261 24898  
000 0000

**15821/13921/12221 kHz, 22-07/24-07, 1400/1420/1440 UTC**

892 892 892 1 9103 39 9103 39  
88723 57397 82693 19720 45189 54404 21667 42119 58910 42502  
35437 28964 37777 97552 18066 07773 73946 74916 72961 49475  
92478 88056 70108 87975 65464 16875 41675 12052 05388 11636  
41685 23039 79279 70492 84262 65824 94470 77204 81696 000 000

**11435/10598/9327 kHz, 22-07, 1710/1730/1750 UTC**

938 938 938 1 3396 113 3396 113  
32349 09806 91813 02492 83017 59979 01567 56787 94593 82292  
82440 91263 00106 85147 45513 48079 27941 76167 44146 82435  
31717 36315 10460 20699 14563 03144 23726 19878 03006 39433  
75533 86177 95863 83209 32918 84490 19717 67397 58008 45378  
07440 56444 41175 97797 09324 41924 30719 35301 02843 36348  
78407 14196 46201 44971 43676 70890 87536 55748 93447 40738  
86624 41739 05287 60846 97582 19202 72501 10392 48348 30560  
32369 11892 48712 70266 67812 14098 13699 49800 02377 50221  
38894 63148 70811 11727 82165 34136 01784 24653 07322 93166  
43042 17230 12788 52068 64297 08836 02572 61353 51241 89537  
73479 90171 38970 96061 49432 42778 13559 67783 60530 72541  
19823 78154 63380 000 000

**8047/6802/5788 kHz, 22-07, 1800/1820/1840 UTC**

463 463 463 1 4250 94 4250 94  
88006 65354 92516 14684 21215 85156 29635 18386 78964 70786  
94220 66847 03881 06254 31827 32578 87387 86429 40815 30154  
18133 85046 40069 30902 31969 22664 30926 96958 25954 49222  
21020 99431 69303 31899 61419 72315 39442 19627 01532 31920  
20225 07842 75277 64982 34528 55095 52102 27181 31399 48756  
92197 85930 47976 44245 92168 20633 68436 31134 67886 62524  
96306 70404 79693 63613 33809 14302 05369 27096 71849 35491  
68215 27384 25762 19920 62931 06808 41377 22206 53154 13228  
40194 49894 69309 12980 96865 20490 64624 89333 33360 59152  
94319 77541 35898 000 000

**9317/10484/11552 kHz, 23-07, 0530/0550/0610 UTC**

135 135 135 1 6138 109 6138 109  
07958 05013 45400 51937 47604 74146 63499 96659 34878 08205  
96851 31801 64547 11411 94343 09914 81097 04886 77642 98407  
93095 43420 32662 44676 62643 28814 24845 51032 79672 50918  
42630 66553 64378 93217 33249 66828 18639 98538 85506 36893  
18844 10243 98372 77088 08828 87285 07996 20187 95008 01878  
56012 30566 37483 28309 75209 58747 69490 37763 24514 11166  
17781 94027 42180 33489 41776 20067 36076 82580 97598 03610  
77371 00028 93444 81321 18589 75786 83959 53366 71390 53050  
99498 91473 43169 54858 57764 94573 45286 98969 38521 40794  
14574 12858 56749 91390 65154 62449 97522 99435 60384 71132  
36898 53028 87369 70519 96933 62306 51126 29646 69256 000 000

**10807/10207/9207 kHz, 23-07/25-07, 0700/0720/0740 UTC**

822 822 822 9913 108 9913 108  
86413 91193 29801 64016 44409 54744 79362 60777 60807 65014  
78012 03331 85137 13749 30141 93692 16922 31297 32110 48065  
37820 72497 24846 32996 29352 63796 56904 00828 46530 14577  
98096 39190 99560 59294 70735 76465 80211 48467 72894 88103  
05266 36584 38331 75620 64216 66003 20782 28380 52832 65422  
98400 51432 49866 70074 12608 21683 71612 50809 89450 52057  
91441 40676 47931 84368 62093 71969 60427 62852 55277 22172  
97190 70764 89778 73667 46605 06528 23418 03219 00746 81270  
48688 18467 12873 19777 70716 57943 04328 73488 16444 44872  
13062 69354 47274 09644 13387 29749 07130 84492 82423 31483  
75109 71085 07381 14402 00748 31872 17204 43661 000 000

**11435/10598/9327 kHz, 22-07, 1800/1820/1840 UTC**

938 938 938 1 4420 104 4420 104  
82342 64406 18708 08051 83955 73677 75051 61001 50797 61766  
29861 43894 38639 68191 98945 86978 66904 76446 33158 74301  
89747 40403 83008 68581 93728 67358 32960 79439 71418 02071  
98481 51460 76829 63400 73294 78547 36649 57145 54822 03211  
68074 56533 66987 10434 91944 25974 46331 55893 81808 95951  
98972 58521 06889 92671 51495 72954 75454 67606 60582 22019  
78135 74915 29984 42233 25615 55663 42867 84096 18453 70738  
90687 12080 17280 91305 01271 31177 48284 46095 63294 45644  
66777 87863 01206 35436 21349 68327 84631 71405 67365 40231  
80271 53280 94694 54988 20380 47795 56018 71916 48696 21419  
91348 87466 75224 33517 000 000

**12162/11566/10711 kHz, 24-07, 1710/1730/1750 UTC**

546 546 546 1 4108 105 4108 105  
18724 17910 81095 87326 91522 87607 92520 51645 03221 67807  
09842 03495 30940 56790 71875 68306 19526 94100 17692 03816  
99900 80196 10324 34771 05788 94945 20146 10518 83149 14358  
56005 42011 31634 08862 39592 73296 50469 59082 89304 77709  
35724 51188 09156 37048 07033 45544 95203 92113 48291 88841  
07318 55490 05738 57016 05804 25014 67134 21118 48213 80806  
17771 48376 04243 34496 36932 13765 16943 90310 38358 95770  
46943 57359 01714 34804 30282 52342 65060 46518 16829 20204  
47727 44018 24833 41000 79723 61099 40207 98786 95325 67595  
10107 59490 24123 22854 54240 16476 96038 49122 94774 54183  
49959 77606 94731 63739 20534 000 000

**12162/11566/10711 kHz, 25-07, 1700/1720/1740 UTC**

546 546 546 1 5798 109 5798 109  
30635 46903 87021 58845 80795 04905 82472 58027 57580 36461  
30637 33684 07945 52305 77679 04881 40382 75008 21277 87035  
12404 64936 84860 03027 91313 54901 24430 15246 36730 73567  
47865 99278 14923 40468 41663 34915 29227 56880 23554 87495  
78883 31121 50116 12658 81666 16014 59958 40393 44565 11392  
61917 51211 70976 50631 08614 35904 92198 40872 28286 35809  
15971 75874 01172 49082 52819 26841 77903 42371 81131 06452  
34984 87889 07356 22038 15373 31598 51217 38065 74570 17569  
85170 71150 71903 85283 41480 70561 66809 00419 16557 54542  
65724 61272 75534 12803 70081 76805 25145 08653 88782 51216  
26404 54907 02119 24074 26274 93256 54742 60090 59583 000 000

**12162/11566/10711 kHz, 25-07, 1800/1820/1840 UTC**

546 546 546 1 3273 104 3273 104  
39884 32850 56195 48741 75981 22414 23260 89606 05512 17853  
44622 89962 07707 24597 51771 20869 44879 86032 89976 28439  
72988 37810 81368 68909 53179 51918 45462 24096 18933 76290  
38334 30292 17725 36645 18048 73831 98024 51068 12064 30670  
09839 58957 02873 27680 15454 97304 66131 00619 72558 93331  
63878 44299 75900 30563 21583 90974 63088 38446 58611 13545  
87708 58939 45553 35017 46097 44371 55416 86993 48051 02187  
63370 16724 04223 90385 75082 66587 13594 21714 18752 05721  
09230 12453 51952 79270 73233 88562 18367 10293 07179 08225  
02914 67891 27832 68371 66340 01442 06201 88120 41270 28742  
24418 49503 52471 64724 000 000

**14377/13461/12114 kHz, 25-07, 2000/2020/2040 UTC**

317 317 317 1 9664 110 9664 110  
52665 14201 07012 16272 69203 55218 33745 42445 31611 02237  
25769 59529 52128 60667 92818 52183 33846 86049 56159 10425  
95658 96574 27795 23650 00262 30327 49833 87366 10207 79297  
73824 93934 83209 29357 40988 97195 38359 00593 48917 77204  
75622 73044 21981 99708 14322 60800 15157 72122 70141 28107  
70112 32395 65932 60403 68471 12910 78832 13024 59275 11714  
24170 95491 02297 77501 20167 76719 95767 37023 59013 27298  
45602 22493 28201 55514 96375 20034 03835 38644 03080 77997  
61048 72959 22152 90858 79174 65467 50157 92357 19042 81561  
78400 79301 27283 20673 66376 79646 50850 75040 98345 46219  
75725 05742 83935 18786 69174 73922 16548 03609 28612 69983  
000 000

**8047/6802/5788 kHz, 27-07, 2000/2020/2040 UTC**

463 463 463 1 6912 95 6912 95  
63875 55458 72265 23753 13719 19755 03592 19252 26556 31974 67633  
35673 67907 36344 21121 47256 90909 36168 62516 47572 68432 45428  
62103 58814 74668 96957 71529 15684 72971 30480 69425 21850 85851  
46912 01067 55944 81141 87369 96155 13467 70250 48750 72414 64343  
73332 30505 10276 78546 99760 62908 79039 37937 33698 60746 78974  
86735 10428 29973 99272 52873 64531 80391 70675 29416 60906 85248  
57990 65119 16066 93519 68607 64462 27805 90689 78314 09347 40142  
70822 10486 47006 86622 84567 51997 26488 82467 63540 29288 83824  
25255 00504 73127 62045 49054 68109 87145 000 000

**9284/8084/7584 kHz, 24-07/27-07, 2210/2230/2250 UTC**

295 295 295 1 8675 98 8675 98  
67769 97483 46313 78500 11603 13236 90441 07593 55172 94452  
25672 09153 35046 19204 57799 92202 22291 57085 10247 87449  
62917 29583 35198 97588 58276 71241 27216 54626 18444 34672  
94812 86732 94102 89549 09063 82665 29389 31270 25789 65097  
87311 07172 82500 88238 25654 27828 19685 04131 53024 29150  
84917 45814 61901 43456 90536 52795 20776 26814 47192 39322  
49980 48629 65546 79983 45554 93285 10160 80356 82486 32196  
59184 16230 53616 63652 09028 56834 53112 35819 72223 17079  
02661 11261 20515 80623 18788 85986 91312 26434 60498 18341  
91876 21998 46325 99724 26247 75958 20772 61357 000 000

**11435/10598/9327 kHz, 29-07, 1710/1730/1750 UTC**

938 938 938 1 4681 110 4681 110  
24594 51673 55475 68702 48517 97494 60625 94947 66975 40021  
07258 11632 71563 50845 56415 44085 14952 07099 83666 88896  
69326 38855 78207 90620 29818 89840 98236 73030 66664 12962  
71760 61353 96931 94597 84224 70681 92163 65831 26820 01412  
00322 56194 54794 37379 68664 64926 42693 79098 94652 46847  
14543 89048 18903 63615 50907 39642 68851 76527 70494 19323  
57892 52247 24377 32618 06159 04711 75681 73930 13080 80166  
94039 94208 74504 69580 86258 59567 28276 91333 25868 18425  
62786 48464 42517 67141 33074 60841 83325 48132 18482 79568  
46994 58637 07860 03556 07991 15338 67782 85279 51581 54812  
77420 21100 04694 04093 44638 64563 74530 47383 74293 60677  
000 000

**8047/6802/5788 kHz, 29-07, 1800/1820/1840 UTC**

463 463 463 1 8142 98 8142 98  
 46566 12840 40615 33670 62681 32282 92012 25554 33340 26003  
 98696 25198 56696 06784 79268 06568 43833 47427 97430 91211  
 96113 09848 02034 22240 60543 68089 74636 77791 78787 49837  
 00770 72583 81229 55452 84711 30614 58295 43441 28711 20882  
 61189 55037 82003 44692 03207 65461 44360 14265 46704 43812  
 30729 37381 45450 21108 08754 67291 81802 46199 09559 21879  
 24011 19973 34779 74430 19790 06892 77224 14150 50868 69955  
 61350 51356 44378 07104 10437 72391 76369 64388 01516 23443  
 00685 47885 03108 75335 97818 44590 52522 23735 30072 54809  
 08260 57874 16198 57673 13916 26150 41851 81822 000 000

**12162/11566/10711 kHz, 31-07, 1710/1730/1750 UTC**

546 546 546 1 7259 107 7259 107  
 53023 15275 80404 06015 68152 23045 72736 40410 66418 67336  
 42321 43452 04398 52175 63232 90300 64369 33110 83070 97094  
 15688 78507 98516 23539 14514 85121 00371 95106 56287 92893  
 35130 37293 23103 90292 41849 79603 04914 44340 16799 33102  
 92486 10963 61662 00664 35201 95315 31879 06180 52668 38157  
 63173 68732 58969 01239 10591 48564 90408 23672 63341 12605  
 09301 76368 92635 37756 43776 02493 84212 78644 87566 85856  
 56503 23632 72868 70604 91330 72145 76461 18030 30356 50324  
 15383 20340 10608 00718 05873 05015 25436 84895 99589 81776  
 73694 23781 46811 32039 10690 98071 24903 57902 45077 82091  
 30461 88245 82552 75184 94371 11967 20455 000 000

**M14****4730/4650 kHz, 06-07, 0800/0900 UTC**

523 741 741 40 40 = =  
 90164 36186 42751 33185 80541 27153 88267 43190 05719 28431  
 74381 53290 84616 27453 47190 34178 64378 25179 64285 66361  
 78152 36196 25860 17561 46209 77630 47197 56306 78936 45179  
 74281 64709 88361 72254 16498 37813 54720 63190 73891 04672  
 741 741 40 40 = = 00000

**6856 kHz, 09-07, 1819 UTC**

163 104 104 40 40 = =  
 55511 99055 (99099) 21232 43433 56545 67656 76787 89878 98909 09876  
 12321 54333 67656 45456 12345 54321 13579 24680 08442 97351  
 09890 76567 43234 21232 21636 14888 22810 98765 21232 21636  
 54345 34343 56768 88909 07799 12343 23312 22571 78909 55454  
 104 104 40 40 = =  
 Note: no 00000

**5938 kHz, 10-07, 1930 UTC**

417 104 104 40 40 = =  
 55511 99055 (99099) 21232 43433 56545 67656 76787 89878 98909 09876  
 12321 54333 67656 45456 12345 54321 13579 24680 08442 97351  
 09890 76567 43234 21232 21636 14888 22810 98765 21232 21636  
 54345 34343 56768 88909 07799 12343 23312 22571 78909 55454  
 104 104 40 40 = = 00000 5

**16347 kHz, 10-07, 0930 UTC**

617 409 409 63 63 = =  
 20303 57938 17381 40524 77176 17479 50095 89684 22873 34223  
 78404 79295 25317 41201 97812 27889 52870 96501 57155 75492  
 23086 53366 27371 71255 26732 64143 01441 92643 33026 47684  
 69770 57120 75866 76274 88305 23927 22036 89514 71021 75592  
 59800 18772 20236 35451 58028 85479 76215 28804 32066 77292  
 14662 83427 80596 33035 00673 37468 32458 52486 51070 12597  
 82620 28766 18046  
 = = 409 409 63 63 00000

**4730/4650 kHz, 13-07, 0800/0900 UTC**

523 105 105 30 30 = =  
 77781 45671 11331 49091 66714 88761 56781 00812 75413 99761  
 86412 77451 51809 13109 01077 66901 79312 13130 23439 77634  
 89077 23239 55801 45614 18998 14145 18190 22816 14880 32145  
 105 105 30 30 = = 00000

**7390 kHz, 17-07. Tests. Single groups followed by a null message**

**1509 UTC** Z25 49591 54992 54083 13230 08873 25511 00153 69490 11063 93716 65546 79626 23798 82107 00999  
 06997 85204 23604 76970 26426 66518 90033 71537 84700 55457 88075 32777 11299 22399 44057 60925  
 29512 82Z pause 7079 82102 18061 036S  
**1513 UTC** 34040 03689 57326 67432 45299 38516 57326 67432 45299 38516 58879 68140 50198 31115 09702 38322 22  
**1515 UTC** W 79819 12558 78844 20401 93742 66310 28673 80026 20219 81177 20487 59432 06186 V  
**1517 UTC** M6 49114 33398  
**1553 UTC** 1672 36267 68679 47404 69719 21297 35176 64058 58695 54379 31698 4048 7277 6387G 16368 50558 45214  
 65876 99260 68542 4 877 69453 07 I9 8 187 46262 02639 67380 99M  
**1556 UTC** 6497 96641 28839 45979 05653 63126 21833 96200 95714 69075 627H  
**1601 UTC** M4 31507 91766 32197 48004 08849 0288  
 239 239 239 00000  
**1606 UTC** 239 239 239 00000

**4730/4650 kHz, 20-07, 0800/0900 UTC****Error in the header at 0800 UTC. Correct at 0900 UTC**

523 74 42 42 = = (523 674 674 42 42 = = )  
 90635 25146 78456 08726 14267 84561 32542 67231 46231 24741  
 83416 90563 23167 74261 89461 67231 35279 90532 36714 54801  
 42671 89261 36109 47210 90563 63289 70461 27362 86378 51280  
 90463 21452 64720 85713 80451 67341 25389 80562 67341 22567  
 78231 45279  
 674 674 42 42 = = 00000

**6856 kHz, 23-07, 1820 UTC**

Deep fading made listening to the first part impossible

163 105 105 30 30  
 ????? 66714 8896? ?????? ???42 56781 00812 75413 99761  
 86412 77451 51809 13109 01077 66901 79312 13130 23439 77634  
 89077 23239 55801 45614 18998 14145 18190 22816 14880 32145  
 105 105 30 30 = = 00000

**16347 kHz, 25-07, 0930 UTC**

617 409 409 63 63 = =  
 20303 57938 17381 40524 77176 17479 50095 89684 22873 34223  
 78404 79295 25317 41201 97812 27889 52870 96501 57155 75492  
 23086 53366 27371 71255 26732 64143 01441 92643 33026 47684  
 69770 57120 75866 76274 88305 23927 22036 89514 71021 75592  
 59800 18772 20236 35451 58028 85479 76215 28804 32066 77292  
 14662 83427 80596 33035 00673 37468 32458 52486 51070 12597  
 82620 28766 18046  
 = = 409 409 63 63 00000

**4730/4650 kHz, 27-07, 0800/0900 UTC**

523 546 546 38 38 = =

12345 56720 34569 53412 12040 53060 63217 10140 68320 34450

89012 56790 41235 17236 21060 84590 34512 32617 17845 24060

62340 45210 47321 93476 93164 83032 62752 92174 59356 14056

48385 94732 63832 45170 75841 58392 95178 32060

546 546 38 38 = = 00000

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

7988.5 kHz, 15-07, 1235 UTC =992153??9?????

## **M51a / M51b - FAV22**

**3881//6825 kHz, 04-07, 0830 UTC**

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

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

GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGRTC XVQJA JUHKD  
VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO  
YHDTG XVSFE ZHQJA 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 PARVENEZ 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 FGCUK 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 N 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 DE FAV22 VA

**3881//6825 kHz, 04-07, 1130 UTC**

VVV 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 QKDG F 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 DGSHA 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  
WNBBDH XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY  
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD  
FKSLR WCXFV HNFLA PHFCT WVXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ  
SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV  
BXGRT DFXCS JNCGV YHXJZ JWKAO KLWUY HNCRD XVCHZ YHWJZ PLGCV  
TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHDUJ  
VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGSZH 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 DE FAV22 VA

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### 3881//6825 kHz, 05-07, 0735 UTC, M51b

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156  
PLOTI /- .VA' QEWSR CZXSA NVHFK QWRET UGTIO VCB DG MLGKT ZXADS  
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMCKD ESVAZ QXDZA NBGHI  
WERQY 96358 BVNVD ?.,/' VCDFH LKJMF WRETC ZA QXW BFGU PLROU  
CXFDE QWAE 47859 BCDHE .AR'AS/ EUFUS POTIY QWAE BCVD ZCSQE  
QAWEV NVHFK LBPNO 45632 WESKD ./,?AS QWAE VBDJK LPROF XCSVW  
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?AR.,/ CVDFG XASZQ MWNGJ  
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK  
CVDFB

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

PALKF HCB DU RTSJZ QJAKI DKLSV WBQHA JKQIO LKDGR VXC DG 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 DSKZ QJKSG UJGBC VSHRT SJQHU  
35473 SJAKI UHFGC 563/9 HNVXJ SJAKL SMQPO IKHNB CGDLR DHFCV  
FGCKL SJNWK ZUHGC VFRZT SHBWN JSKLZ QLHJR GBCJT



VXSYW JSJPO APQOI VCBSh ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564  
BCDFW ?AR., ' LPDOU XNCBM XZSAD VCBSh NOLEP VCBSh RYTUI MDJSI  
, '.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ  
ALPCI 48932 LPOEI ,/.ASVA ZAQID BBCDJ ALKSO XBCHS SJWIX BCNCJ  
CMSKW CZFST 12036 SAWQD .?=? ZNXJS QPLOS DHDWU XBCNS AJSWI  
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR  
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?.,VA' NCPOE XBSHW SKWOP  
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH  
MNLFP

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 FKSKQ LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM  
HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGDG 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

GFCDX QHNWJ AUJDT 35627 9017/ HNXVW SHQJA ZUHDT SJQKM 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 KQGTG 563// HBCJR QKALP GBCHR  
QKAJU YHDOQ LPMUJ HBCGV XNWSH QJHBT DUJZI QKAOH GBCOQ BWNHT  
MLAUH VBDTR SGQHA HWJQK AKLPA BHCTY FGSUJ HWXCD SHVWC XJDYU  
HBKLM MQNBH XHTGF SHQUJ HNVFR 54783 MPJUG HXCDY SJQIA NVGDY  
QHWVF XHQJR SUJAO QMAHJ DHBVX WHFTR SJKAL OQFGO BXJGY 96740  
YHDVC XVFR /5637 HWBXI AKQLP MQBGT CVXJQ ZUJFK SKQMA MLGBH  
DFXRS QHAUY DHSJR KLQTG VXHER 46387 VGDHU BJDJR WBQJH LMQHM  
VBXHT DFSJH HSIES CWVXH CJHQL MPJKY HGBVT CFDJD

YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA  
MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA  
UAYDG XVWBD XNQJU ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB  
JAKLO NHDFE 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUY  
KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL  
NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO

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

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA  
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDGJ 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

GVXHS WNQHA IKDLS MWPZY DGSHA 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  
WNBBDH XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY  
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ

**3881//6825 kHz, 05-07, 0830 UTC**

VVV 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 KIJDH BXVSF ZTAYH SJNHJ RYGDW DFSGD  
JWNYH FKSQK LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM  
HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGDG 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 ZUHDG SJKQM PLIKB  
CGCFD XBWCD QHJAK QKOLA YHDGR HDFSU ZKQLP LSHGR PABHF PAHDF  
XHBFG WNQJY TGDGC XHSYR 68393 BWJFY CHQJZ JWNHF UJAFQ LDKPD  
HSPLB CHFTR WNHDU AJIDO SKQGR ZHQJC BXJQK WLAIJ UTYDF POGUT  
OFGCR XOKQL SJUTC 65381 YHBIJ KQGTG 563// HBCJR QKALP GBCHR  
QKAJU YHDOQ LPMAU HBCGV XNWHS 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, 05-07, 1130 UTC**

VVV 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 QHWPB 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 QLAPQ 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 KQAOI DJFGT SHJSK QKALP MQKGB CVDGR  
SJRTD XVSZK KWLQO YHDKL SLPMS HSHSH ERDCX ZUJQM OAMPH 20178  
YHDIJ 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 XWVJS KALPM KIJYH  
DGCYX 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'OUVRIRE AU RESTE DE LA BRIGADE NORVÉGIENNE L'AXE ÉCHO 6, LA ROUTE PRINCIPALE EN DIRECTION DU NORD. C'EST AU GTIA D'OUVRIRE LA MARCHÉ. IL DOIT TROUVER UN AUTRE MOYEN DE FRANCHIR CETTE COUPURE HUMIDE. DANS LA NUIT, LE SERGENT-CHEF S'INFILTRER 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

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**3881//6825 kHz, 06-07, 0608 UTC, M51b**

Non-stop 5-character groups composed of M51a messages

**3881//6825 kHz, 06-07, 0700 UTC**

VVV 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 ,.%' / QRXVC VMFKE PTOIY MJFSD AQEZC VNFMG LGKHI POUIY  
87965 NCJKW .?\$', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY  
OPIYU 45698 BCSHW .?,' LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY  
QIUOF MVNFH 02368 BCSMW ?.\$%, MBNCX VFGER POQAS XCFDE JGHNF  
LKWUE VBCND MLFKG 54796 BSHWL = ' / . ? ASQEX VMDSO EWGDD LBKGI  
' . , ? . NCDJE 25893 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX 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'À LA VALORISATION DE NOS INDUSTRIES. +

CQ DE FAV22 VA

**3881//6825 kHz, 06-07, 0743 UTC, M51b**

Non-stop 5-character groups composed of M51a messages

**3881//6825 kHz, 06-07, 0820 UTC**

VVV 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= LMPY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO  
.?.,' BCHDE 42369 LAPQI WNSYV VCSOW AQLFP RHFUS BVDW NKGIR  
BCXWY 54783 CBHQA VA'/. , YHHBY CXDWE VNYEA AWQEV XVSFW MBFUR  
AWQLG RYUSN 14790 XMLPO ,.AS?VA AJAUW XCSAR LDOEJ GMNRY XBSTW  
DSEWX VNFJE LEPWM 65874 VZQJA AR/VA. , 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 NUMÉRO 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 SCHCENDCERFFER, \ 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

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**3881//6825 kHz, 11-07, 0950 UTC, M51b**

Non-stop 5-character groups composed of M51a messages

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**3881//6825 kHz, 12-07, 0505 UTC, M51b**

Non-stop 5-character groups composed of M51a messages

**3881//6825 kHz, 12-07, 0830 UTC**

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

VENDREDI-LEÇON NUMÉRO 25-1/1 VITESSE 960 CODÉ =  
GXBWH QJNAJ QKALO QMLKA UJSHD GBXJW SUZTQ AJHDK SOQMA IKDJS  
37281 89374 AIKDH WNBSh APLDJ SKAMP DJSKZ QJAKI QOLAI PDJSH  
WBSGZ 37628 QJNAK WJHSU AIKDM SIKAP QMALU QJNHD GDHSJ ZUHQJ  
AKJQL IJWNB XKCVD QKAJM SPJHF XHNDJ SUJZO QKKAP WNBCH YHDNW  
PLQJU ZIKSM QLKAO YHDGX 53728 10197 XBDGS QNWJR SJZKA PLAHJ  
WVXBD QHAJE SKALP QMLAK JHSGD VXBWN QJHAU SJETS ZJHQB YHSL  
APMSH WVCOD FMAPL WNBXJ DYHEU 32763 WNBXJ SJZKA ILSJH HJDKZ  
WBXVS QJAHJ 28719 YGDHX HDGZU 6735/ WBXJU DGAPM WNBQZ HJKA  
WVXJE SJZHQ AIKSP QLKAU DGCXV WBSHZ QUJAG SJQKZ APMHF UALDP  
WNBXJ ZYSGQ 37219 WNBXJ YZIGH QKJNI AIKDL WMQPH BCHRT TGSCV  
AUJDG WBVXH QKJAP OGDVX WGFRT SHAUJ 45287 BWNSH ZUJAP YHDKA  
IOAHG VCFDC XBWHX ZJHNB QKAOL DHSUY //367 GBCJF XJSIK +

VENDREDI-LEÇON NUMÉRO 25-1/2 VITESSE 960 CLAIR =

LE MOTEUR DE L'EMBARCATION DE SECOURS ET D'ASSISTANCE AUX VICTIMES VÉRITABLE AMBULANCE NAUTIQUE, VROMBIT  
DÉJÀ. DES QUE L'ÉQUIPE CONSTITUÉE DES DEUX SAUVETEURS AQUATIQUES EST EN PLACE, LE PILOTE DÉMARRE À PLEINE  
VITESSE. LA VICTIME TOMBÉE À L'EAU EST VITE REPÉRÉE. LE PREMIER SAPEUR-POMPIER SE JETTE L'EAU. MUNI D'UNE BOUÉE  
TUBE IL NAGE AVEC VIGUEUR MALGRÉ LA TEMPÉRATURE DU FLEUVE AVOISINANT LES 2 DEGRÉS. MOINS DE CINQ MINUTES SE  
SONT ÉCOULÉES DEPUIS L'APPEL. LA RAPIDITÉ D'INTERVENTION EST PRIMORDIALE. LE PLUS IMPORTANT EST D'ATTRAPER LA  
PERSONNE TOMBÉE À L'EAU POUR LA STABILISER. IL FAUT GARDER SON VISAGE À L'AIR LIBRE. +

VENDREDI-LEÇON NUMÉRO 25-1/3 VITESSE 960 CODÉ =  
 OKDHS WBXVD QAJAK QLAMP UJGCV DHETS QJHDG XVCJD WKJZI QKJAO  
 UJFHD WYXJS ZKLQP 28645 SGWBX JQKAO PLAUH /764/ JNFHD UJDKS  
 IKALO SJDGF CJDLA PMQKX WJFML TYHFK DHNND SJEKZ UJSLK UJDHX  
 CKDGE SHGDB XNSJZ QKALM PLOLK NCHFK 65483 SGBXJ WJSUZ PLGHL  
 XNBDK SKLZM QNWJZ AHJDK WCXVD 53872 WBNXJ 01875 UJDKL WNBKD  
 ZYHDK QLKMA HNDJC UJKDL SJHTF SJHTF CBXGR GSHZQ MQJFV PMAUH  
 BCFVG SHZYA 37619 NWJSY DGSZH QJNWK ZUJAP LQMAY DGCXV IJFHC  
 XBSKA UJQLW NXVCJ SKEUD OLSPA MQKJG CBFGT JDXKC 20617 DHEYS  
 WBKHD SJAIO QKLAY DLFGE VSHDF XJSKZ JQKDH XUJEO ZHQJZ AHDJS  
 WYXKS AUJSK AJNWJ KLQPE SHGDU ZHDFX WBSJZ HDJSI 36287 10638  
 HSGDT XVDJS KQLAP UJDLN XNFGC ZUJSL PAKLD GBXJS ZJQKA PLWCV  
 DGXVF CNETS 46382 BXNTG SJAKU +

VENDREDI-LEÇON NUMÉRO 25-1/4 VITESSE 960 CLAIR =

A TOUS LES BATEAUX NAVIGANT SUR LA SEINE, EXERCICE DE SAUVETAGE ENTRE LE PONT NEUF ET LE PONT DES ARTS, ANNONCE LA RADIO RHF DU POSTE DE VEILLE OPÉRATIONNELLE DU CENTRE DE SECOURS LA MONNAIE. GRACE À UNE FRÉQUENCE COMMUNE, LE MESSAGE VIENT D'ÊTRE TRANSMIS À TOUTES LES EMBARCATIONS CROISANT SUR LE FLEUVE. PILOTES DE PÉNICHES, DE NAVIRES DE PLAISANCE ET DE BATEAUX-MOUCHES, TOUS CONNAISSENT LE SECTEUR OU ILS DEVRONT RALENTIR. PENDANT CE TEMPS, AU CENTRE, LES SPÉCIALISTES EN INTERVENTIONS AQUATIQUES SE PRÉPARENT POUR L'EXERCICE. ILS ENFILENT LES TENUES HUMIDES DE PLONGÉE ET AJUSTE ET LES MASQUES ET LES TUBAS. LE BATEAU SE RAPPROCHE. +

CQ DE FAV22 VA

**3881//6825 kHz, 12-07, 1130 UTC**

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

VENDREDI-LEÇON NUMÉRO 25-2/1 VITESSE 960 CODÉ =  
 GVXHS WNQHA IKDLS MWPZY DGSZA 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  
 WNBBDH XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY  
 XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD  
 FKSLR WCXVH HNFLA PHFCT WYXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ  
 SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV  
 BXGRT DFXCS JNCGV YHXJZ JWKAU KLWUY HNCRD XVCHZ YHWJZ PLGCV  
 TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHDUJ  
 VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGSZH LKFHT KHDYT XVDJK  
 10746 GBDXJ KSHKH KDPAY GXVDJ WCXJR UJDKA VWBSH AUJDO LQMAU  
 64382 HBWMD JSKZU JQKAL PMWJB +

VENDREDI-LEÇON NUMÉRO 25-2/2 VITESSE 960 CLAIR =

FIDELES A LEUR DEVIS \ SAUVER OU PÉRIR \, LES SAPEURS-POMPIERS DE PARIS VEILLENT NUIT ET JOUR SUR LA \ VILLE LUMIÈRES \ ET SA PETITE COURONNE. INCENDIES, SECOURS ET ASSISTANCE AUX PERSONNES EN DÉTRESSE, RECHERCHE DE VICTIMES, TELS SONT LES PRINCIPAUX MOTIFS DES INTERVENTIONS QUOTIDIENNES DE CES MILITAIRES DU GÉNIE. AU SEIN DE LA CAPITALE, TRAVERSÉE PAR LA SEINE ET PLUSIEURS CANAUX, CERTAINS ONT CHOISI DE SE SPÉCIALISER EN MILIEU AQUATIQUE POUR AGIR DANS CE DOMAINE AUX RISQUES SI PARTICULIERS. ILS INTERVIENNENT ÉGALEMENT EN SURFACE NON LIBRE, SOUS GLACE, DANS LES PARKINGS SOUTERRAINS OU LES SOUS-SOLS INONDÉS. +

VENDREDI-LEÇON NUMÉRO 25-2/3 VITESSE 960 CODÉ =  
 UJDKX VBDJZ WNSHQ XVDKA OLQLP OKHNC VHFUR SHNXJ WYXHZ JSKZI  
 OLDJH VCJSU ZYDFS WBXJS 37281 KJNCG TGDHS 7359/ JNWKS YHDKS  
 OLSJU YHSPL WNDHZ CIAHV XVCGR AIKSP LIJFT 52847 GBWCV VCHFP  
 AIKDM SJWNX KAUJD LSORV CHFDZ WHNSJ AIKDP MIKJY HBFVJ LDFCV  
 XBSKZ 63829 UJSLA BWJRY FLQPA MLJIT CHFUZ SBXJS UJQKA ZNWHF  
 YHDKZ SHXVC YHZKQ WBXJZ 53826 ZUJDL NBXJD YHAPS XVCJF 18548  
 YHDIK XBCKS ZUHDK WNXKZ KIOSL HNWJS THZLP WBXKS YHDGV UJSKZ  
 VXYRP SJXLZ WNXKF CJSUR CKSUZ WHNCP LXIET DGSUZ 36528 NBCVX  
 UJSKA ZUSFC XVXVX HNXJS IKWLZ OPAJB GVFHB JSYRT FGCJS KJDGS  
 6382/ JNCJD XYHRI SJZIS /4637 XHNDJ SKAPL YHDUT JKDGC BXNQK  
 YTSHA WBXJM XKLDU LDLDU BCHVN GBCJR XVCHU TIGLD UJDKZ 65382  
 BWJSU AKSLQ WPETD GVXJD JSKZI JDHCV XNSKZ +

VENDREDI-LEÇON NUMÉRO 25-2/4 VITESSE 960 CLAIR =

L'ARMÉE DE TERRE A DÉCIDÉ DE PROPOSER DEUX NOUVELLES DURÉES DE CONTRATS À L'ENGAGEMENT INITIAL, POUR OFFRIR DES PARCOURS PROFESSIONNELS PLUS ATTRACTIFS ET ALLONGER LA DURÉE MOYENNE DE SERVICE, EXPLIQUE LE LIEUTENANT COLONEL, DU BPRH DE LA DRHAT. L'IDÉE C'EST, D'UNE PART, DE RÉDUIRE LA PRÉCARITÉ INHÉRENTE AU STATUT DE CONTRACTUEL ET, D'AUTRE PART, D'OFFRIR AUX MEILLEURS CANDIDATS À L'ENGAGEMENT DES PERSPECTIVES DE PARCOURS PLUS AVANTAGEUSES. POUR DISPOSER D'UN VOLUME CONSÉQUENT DE MILITAIRES DU RANG À LA FOIS JEUNES, FORMÉS, ENTRAÎNÉS ET EXPÉRIMENTÉS, L'ARMÉE DE TERRE A DÉCIDÉ QUE LA DURÉE MOYENNE DE SERVICE DE SES ENGAGÉS DEVAIT ÊTRE DE 8 ANS.

+

CQ DE FAV22 VA

### 3881//6825 kHz, 23-07, 0735 UTC

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

DHIQU VCGSH PELEO XAQEZ NCB DG MVNBT PTOTI BVNYE SWREG 02589  
NCDIE .,VA'AR NCB DH MNLHK CXSDW ASQWE CVXBW LGRPO CBHYW NVVNR  
45896 BCSHW .,?' BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKE  
VXSGW 47896 VZQAO .?,AS' MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO  
CDWRE NNCJE 74302 BCMAK .,/'= NVBXC NSWPO NDEYJ DJKET AXZVS  
NVMRU LDPEJ WRSFU 43269 BCCPW ,AS.' / KDWIC SNSJW VZWPO LFMKR  
DREGN MCEIS MCKDO AFQTH 01658 CAQMK .,?' / NCYWP ASQEZ NXHWY  
BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 VXQAU ,/?, ' MVLPE QADTD  
NDJEI CVDBE FKEIS QEAFFY CBDFW VFLPE 41203 CXZBA =.AR'? ASQRV  
NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX MXWPO .,.' / CZPLO 58023  
SNHWY BDGWT XWEUD MVLEO XWTCN ASKEO DGETQ CBNSK 41123 LMPOI  
?.VA, ' QPALO BCGEY MXNWU VCHWI MVLRO SDQRA XZSBV DMLGS .,?' /  
CXABQ 39856 VATYW IDOPW VXCZB LPFDO

JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957  
VXSGW ., 'ASVA QDSSG LJPUD NVBFG YRTQW ASZXA QPLIH BCDN HDYEI  
10369 VXSUW 'AS?. , TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ  
MNKHJ 47850 BQTBS VAAS?/. XCZPQ MLHPI XASQW LCMEY RGSW 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 'VAAR.? CBXZN MLFKE CALSD ETFUB

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427  
KLQHR BXHRT ZUSHQ WXXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ  
IKOLE SGAUE XVSGQ WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH  
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV  
IKDGR FHBCV DFD FD ETS GD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFR  
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF  
56473 SGETF XBDGE XGSTE ZHUAI QKAI 46378 45381 SUJAU OLETD  
QMLOA 26480

XMNAI LPOQI CBSNH ZAQID VNFJE MBKIR NVBDH MXKSI LFPRO 20189  
XAQEF .,=?' EIRCJ ZNSJQ LFEOD CXNSM ZAWIJ XNBSQ AQPOE CNDJW  
45203 LBKPR .,ASVA? XSJWL SMWID LSPOW AQNXH XWOSD NCBSH MLPOJ  
ZWUDH 78391 XARSH ?. /VA' BCDHJ AQBUX XVWUH NCMSJ SWIEU XZNAK  
LPJAJ MZNQD 45501 CJFKL ?. /AS' AQPOC ZXMSK SWPOI AQLPM CBSHW  
XBSUA ZALQO CNEUH 17890 NCGDI .? /ARVA ZAQL EIUJN XZASQ NCBSW  
. ,/'? NVUEI 25631 CNDJW LBPOD XNAHQ ZQLDO NCJDS XMCKD ALODW  
XNSGW 36479 VFKEN .VA/'? ZALJV CNWBH SWPLD XBSJA

HBCJX NWHSF ATSGQ JKWLA MQPOI AKOSL QJNUR DTGSF CXHWU ZJQKA  
GDJSU 45632 ZIJSK XNBWJ 76018 HNDJX CHTYD QJKAL WNJKQ MALIK  
IKJQN CXFDR WHNQJ AKJQL KIJDH BXVSF ZTAYH SJNHJ RYGDW DFSGD  
JWNYH FKSKQ LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM  
HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGDG 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 IAHOH DGXVS HNWOR ZTSFA KLQMA

OKIHU YGFTR 10964 BCNDH XJQKE SIKAP UJDLQ BWNER ZYHSI QKALM  
WMAPL WNCVF PMAUJ YHTGR CGDTR 45393 NXHRT

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 XNWSH 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 KLQTG VXHER 46387 VGDHU BJDFR WBQJH LMQHM  
VBXHT DFSJH HSIES CWVXH CJHQL MPJKY HGBVT CFDJD

etc. etc.

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### 3881//6825 kHz, 25-07, 0935 UTC

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

MXSKW NCJDA KDOWP BCMJK AZMNS SKWID NXSOQ NXSDF HJCSI 26530  
BCHSW .,='VA BZAHA CXSHA JAQIS NXZKA LDKIW CBSHA ZALOQ BXNSJ  
02148 MDYUG ?/. ,AS ZAQIS HXAKQ XMNSA AQPOE CNSHW LDOJF XNWMA  
LDKOW 48901 SHWTD /.'?', MVKDL SAHQB XVSHD DJWIF SALOJ NCSJS  
QAQSD NNCJE 74302 DRWED ?/.VA' NVBXC NSWPO NDEYJ DJKED AXZVS  
NVLRU LDPEJ WRSFU 43269 HGKRO /'AS,? KDWIC SNSJW VZWPO LFMKR  
DREGN MCEIS MCKDO AFQTH 01658 GSWPO .AR',/ NSYWP ASQEZ NXHWY  
BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 KFUEI VA.'AS/ VXBAQ KAOWP  
BCHWQ CVDBE FKEIS QEAFY CDBFW VFLPE 41203 SPIJG ?/'VA' ZAJSU  
VXBHQ XHQJS BXBWH ALPQE BCBDY CBXBX NXWPO ?.,'/ GDWYD 56320  
AZNXM WLJSS FSWTH BXVCS VMKDA ZBCYQ LSOPD VCNWM 93502 JDIWK  
?.,VA, ZAUSH BDHWA BXVSG GDYWL POFKE NDJAI BCVXA MQIKD MVLAO  
56398 KDOWL .,=' / JXUWG GDJAL PLGOE

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA  
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDGf 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

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

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

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

DHIQU VCGSH PELEO XAEZ NCBGD MVNBT PTOTI BVNYSWREG 02589  
NCDIE .,VA'AR NCBDH MNLHK CXSDW ASQWE CVXBW LGRPO CBHYW NVVNR  
45896 BCSHW .,?' / BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKED  
VXSGW 47896 VZQAO .?,AS' MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO  
CDWRE NNCJE 74302 BCMAK .,/'= NVBXC NSWPO NDEYJ DJKET AXZVS  
NVMRU LDPEJ WRSFU 43269 BCCPW ,AS.' / KDWIC SNSJW VZWPO LFMKR  
DREGN MCEIS MCKDO AFQTH 01658 CAQMK ?.? / NCYWP ASQEZ NXHWY  
BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 VXQAU ,/?,' MVLPE QADTD  
NDJEI CVDBE FKEIS QEAFY CBDFW VFLPE 41203 CXZBA =.AR'? ASQRV  
NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX MXWPO ?.,' / CZPLO 58023  
SNHWY BDGWT XWEUD MVLEO XWTCN ASKEO DGETQ CBNSK 41123 LMPOI  
?.VA,' QPALO BCGEY MXNWU VCHWI MVLRO SDQRA XZSBV DMLGS .,?' /  
CXABQ 39856 VATYW IDOPW VXCZB LPFDO  
etc. etc.

### 3881//6825 kHz, 25-07, 1130 UTC

VVV 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 DIKQZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG  
SHWBC XVSHE ZUJAI QKDG FCBVJ 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 QKQAL 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'entraîner l'intelligence des chefs en les préparant aux engagements à venir. +

JEUDI-LEÇON NUMÉRO 14-2/3 VITESSE 840 CODÉ=  
GVXHS WNQHA IKDLS MWPZY DGSHA 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  
WNBBDH XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY  
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD  
FKSLR WCXFD HNFLA PHFCT WXXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ  
SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV  
BXGRT DFXCS JNCGV YHXJZ JWKAO KLWUY HNCRD XVCHZ YHWJZ PLGCV  
TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHDIJ  
VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGSZH 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 DE FAV22 VA

Followed by more M51b message streams.



## M89

**3636 kHz, 29-07, 1832 UTC, i.p.**

**NOTE: This logging could be M95, since 99% of M95 messages have the number 35 following the group count.**

R R QSA  
R GA K  
R GA K  
R RPT 9  
R RPT 18W K  
R QSL 0238 K  
R R G NR .415 CK 31 35 0730 0239 RMKS 6468 TO 6881 K  
A3AT A.A7 T5T6 T34T A6A5 767. T4N. 47DA 3NUU (Cont'd) AR K  
R RPT 15W = 4DD. AR K  
R R R OK OK

## M95

**5280 kHz, 02-07, 1100 UTC, Q26: 4+4 QPSK 75/3000 LSB**

Chinese military messages. Repeated in CW (M95) and voice (V26)

**4243//9054 kHz, 08-07, 1140 UTC, V26: Callup in Chinese**

**4243//9054 kHz, 08-07, 1141 UTC, Q26: 4+4 QPSK 75/3000 LSB: Messages**

**4243//9054 kHz, 08-07, 1149 UTC, M95: Same messages in CW**

**4243//9054 kHz, 08-07, 1217 UTC: V26: Same messages in Chinese voice. Female operator**

VV HR 7G TO YR PSE CY  
NR 064 CK 16 35 0708 1538 =  
5AA UTT TTD 3U6 3A4 TTU TT3 TT4 773 3.3 U4T 35A 4A7 445 3DA 4D3 AR  
7G AGN  
NR 064 CK 16 35 0708 1538 = (Repeats message) AR  
AHR MSG GA  
NR 16 CK 152 35 0708 1615 =  
UTU TTD 3U6 3A4 TTU 773 353 N3D 354 34U (Cont'd) AR  
7G AGN  
NR 16 CK 152 35 0708 1615 = (Repeats message) AR  
A HR 7G GA  
NR 084 CK 18 35 0708 1619 =  
UT5 TTD 3U6 3A4 TTA TTU TT3 773 353 U4T 35U 37U N45 374 4A7 445 4D3 3DA AR  
7G AGN  
NR 084 CK 18 35 0708 1619 = (Repeats message) AR

**10180 kHz, 17-07, 0738 UTC, i.p.**

CP/1600/XXZ112/6845/6200 AR QSL ? HR WK NR 130  
V DKG6 DKG6 DKG6 DE 3A7D 3A7D  
VV HR HR NR 26153 04 RMKS 6845 TO 2136 =  
CL/1600/ZBT/6845/2136 AR QSL? HR WK NR 130

**4243//9054 kHz, 21-07, 1147 UTC, Q26: 4+4 QPSK 75/3000 LSB**

**4243//9054 kHz, 21-07, 1149 UTC, M95: CW**

**4243//9054 kHz, 21-07, 1202 UTC, V26: USB. Same messages as Q26 and M95 in Chinese voice**

VV HR 7G TO YR PSE CY NR 090 CK 15 35 0721 1528 =  
5AA UTT TUA 3.6 3A4 TTU TT3 TT4 773 356 36T 4TN 445 3DA 4D6 AR  
A HR 7G GA  
NR 42 CK 117 35 0721 1557 =  
UTU TUA 3U6 3A4 TTU 773 35A N36 353 4TN (Cont'd) AR  
A HR 7G GA  
NR 024 CK 13 35 0721 1633 =  
UT5 TUA 3U6 3A3 TTA TTU TT3 773 356 4AD 445 4D3 3DA AR  
A HR UP SB WK

**4243 kHz, 22-07, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243 kHz, 22-07, 1150 UTC, M95: CW**

**4243 kHz, 22-07, 1203 UTC, V26: USB. Same messages in Chinese voice**

VV HR 7G TO YR PSE CY

NR 092 CK 17 35 0722 1525 =

5AA UTT TU. 3U6 3A4 TTU TT3 TT4 773 353 N3D 354 374 4TN 445 3DA 4D3 AR

A HR 7G GA

NR 44 CK 154 35 0722 1553 =

UTU TUU 3.6 3A4 TTU 773 354 336 N3U N35 (Cont'd) AR

A HR 7G GA

NR 027 CK 24 35 0722 1625 =

UT5 TUU 3U6 3A4 TTA TTU TT3 773 353 NE3 D54 37U 36U 4AD 445 TTA 773 446 4D4 3DA TTA 773 3D. AR

A HR UP SB WK (1201z) (Switched to voice – USB – Female – Chinese – Now V26 Sked – 1203z)

**4364//8073 kHz, kHz, 22-07, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4364//8073 kHz, 22-03, 1139, M95: CW**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0551 CK 182 35 0722 1618 =

TUT 3U6 3AN 3A7 TAA 773 TA7 773 357 (Cont'd)

**9054 kHz, 26-07, 2342 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**9054 kHz, 26-07, 2346 UTC, M95: CW**

**9054 kHz, 26-07, 2359 UTC, V26: USB. Same messages as Q26 and M95**

**Note from JP:: Have noticed recently that this M95 station no longer repeats messages**

HR 7G TO YR PSE CY

NR 040 CK 14 35 0727 0548 =

UT5 TU7 3U4 3AU TTA TTU TT3 773 356 36U 4T7 445 4D4 .DA AR

AHR 7G GA

NR 001 CK 22 35 0727 0631 =

5AA UTT TU7 3U4 3A4 TTU TT3 TT4 773 353 N3D 354 374 36U 4TD 445 3DA 374 N54 467

3D3 4D4 AR

A HR 7G GA

NR 53 CK 101 35 0727 0700 =

UTU TU7 3U4 3A4 TTU 773 35A N3D 353 336 (Cont'd)

AR (2358z)

A HR UP SB WK

**9054 kHz, 28-07, 2340 UTC, V26: USB. Callup in Chinese voice**

**9054 kHz, 28-07, 2343 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**9054 kHz, 28-07, 2346 UTC, M95: CW. Q26 messages repeated**

**9054 kHz, 28-07, 2359 UTC, V26: USB. Same message now in Chinese voice**

HR 7G TO YR PSE CY

NR 046 CK 17 35 0729 0622 =

UT5 TUN 3U4 3A4 TTA TTU TT3 773 357 3.3 4AD 446 336 N3U 467 4D3 3DU AR

A HR 7G GA

NR 005 CK 41 35 0729 0653 =

5AA TTU TUN 3U4 3A4 TTU 773 357 376 (Cont'd) AR

A HR 7G GA

NR 57 CK 090 35 0729 0707 =

UTU TUN 3U4 3A4 TTU 773 354 N35 374 4TN (Cont'd) AR

A HR UP SB WK

## HM01 - Dirección General de Inteligencia

After a few dull months, our Cuban friends finally sent a lot of new groups and files.

Freq	Date	UTC	Details
11435	1-7	1559	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	2-7	1628	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
9065	3-7	0758	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	3-7	1558	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	4-7	1559	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
10860	5-7	0501	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	5-7	1558	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
10715	5-7	2156	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	6-7	1600	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	7-7	1558	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	8-7	1602	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11635	9-7	1802	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
9065	10-7	0758	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)
11435	10-7	1600	53361 51751 18663 67535 77004 37167
11530	11-7	1700	53362 51752 18664 67536 77005 47461
11435	12-7	1600	53363 51753 18665 67537 77006 47461
11635	13-7	1756	53364 51754 18666 33351 77007 47462
11435	14-7	1557	53365 51755 18667 33351 77008 47463
11435	15-7	1558	53366 51756 56861 33352 18711 47464
11435	16-7	1555	53367 51757 56861 33353 18711 47465
17480	16-7	2156	53367 51757 56861 33353 18711 47465
11435	17-7	1558	53368 51758 56862 33354 18712 47466
11635	17-7	2056	53368 51758 56862 33354 18712 47466
11435	18-7	1558	88651 05171 56863 33355 18713 47467
9330	19-7	0658	88651 05171 56863 33355 18713 47467
9065	19-7	0758	88651 05171 56863 33355 18713 47467
11435	19-7	1556	88651 05171 56864 33356 18714 71211
11635	19-7	2056	88651 05171 56864 33356 18714 71211
11435	20-7	1600	88652 05172 56865 33357 18715 71211
11435	21-7	1600	Not heard at 1600 but the repeat at 1625 UTC was on the air: 88653 05173 56866 84121 18716 71212
10715	21-7	2200	18716 71212 88653 05173 56866 84121
11530	22-7	1700	Started while in progress. 88654 05174 56867 84121 18717 71213. No transmissions heard at 1600 and 1625 UTC
11435	23-7	1555	88655 05175 56868 84122 37051 71214
11435	24-7	1556	88656 05176 56869 84123 37051 71215
11435	25-7	1558	88651 05171 56863 33355 18713 47467
11530	25-7	1657	88657 05177 45381 84124 37052 71216
11635	26-7	1828	27801 05178 45381 84125 37053 71217
11435	27-7	1555	27801 85111 45382 84126 37054 71218
11435	28-7	1555	27802 85111 45383 84127 37055 71219
11635	28-7	2056	27802 85111 45383 84127 37055 71219
11435	29-7	1600	Radio Habana Cuba followed by Windows error sounds, then repeating 28 July's groups: 27802 85111 45383 84127 37055 71219
11635	29-7	2056	27802 85111 45383 84127 37055 71219
11530	30-7	1656	27802 85111 45383 84127 37055 71219 (repeating 28 July's groups)
11435	31-7	1622	71875 36551 86325 55633 85266 35553

Freq	Date	UTC	Details
11635	31-7	2054	71875 36551 86325 55633 85266 35553
10715	31-7	2154	71875 36551 86325 55633 85266 35553.

These groups were also sent on various days in March 2018, Dec 2018 and May2019 !!!

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

Link IDs and the associated selcals (X06). Go to the Priyom website for more details <http://priyom.org/diplomatic-stations/russia>

Address	Link ID	Target	Selcal (X06)
0	-	MFA Moscow	-
1	40001	Embassy Vienna	165324
2	50002	Embassy Dar es Salaam	352416
4	70004	Embassy Berlin	356412
7	00007	Embassy Algiers	145632
9	20009	Embassy Paris	532614
10	20010	Embassy Sofia	465132
11	30011	Embassy Athens	362154
15	70015	Embassy Ashgabat	612534
16	80016	Embassy Dushanbe	124356
17	90017	Embassy Warsaw	431625
18	00018	Embassy Islamabad	213546
19	10019	Embassy Bucharest	521634
20	10020	Embassy Amman	214356
21	20021	Embassy Helsinki	561243
22	30022	Embassy Cairo	261453
23	40023	Embassy Madrid	324615
25	60025	Embassy Nicosia	162543
26	70026	Embassy Copenhagen	361245
29	00029	Embassy Kabul	452163
30	00030	Embassy Baghdad	534216
31	10031	Embassy Lisbon	621543
33	30033	Embassy Antananarivo	314265
34	40034	Embassy Dublin	164532
35	50035	Embassy Accra	246531
36	60036	Consulate General Bonn	564213
37	70037	Embassy Brussels	165423
38	80038		156234
39	90039	Embassy Rabat	463125
41	00041	Embassy Lusaka	641523
42	10042	Embassy Addis Ababa	164253
43	20043	Embassy Beirut	256341
44	30044	Embassy Nairobi	325614
46	50046	Embassy Rome	154263
47	60047	Embassy Tunis	134265
48	70048	Embassy Budapest	412356
49	80049	Permanent Mission Geneva	615243
52	00052	Embassy Tel Aviv	625413

Address	Link ID	Target	Selcal (X06)
53	10053	Embassy New Delhi	364152
55	30055		435621
59	70059	Embassy Prague	263145
60	70060	Embassy Bern	432516
61	80061	Embassy Oslo	421635
64	10064	Embassy Damascus	153624
69	60069	Embassy Harare	436512
72	80072	Embassy Dhaka	216435
78	40078	Consulate General Karachi	241563
80	50080	Consulate General Mumbai	215346
81	60081	Embassy Beijing	542136
84	90084	Embassy Ulaanbaatar	125643
85	00085	Consulate General Chennai	216354
88	30088		351264
94	40094	Embassy Abuja	231654
95	50095	Consulate General Ho Chi Minh City	645321
97	10097	Embassy Abidjan	256134
103	70103	Embassy Havana	-
163	10163	Embassy Abidjan	256134

#### M42 – various modes

17433 kHz, 05-07, 1118 UTC, MFSK	MFA Moscow testing with Russian embassy Abidjan at 1118, 1122, 1126, 1130, 1138, 1146, 1150, 1154, 1205, 1209, 1217, 1221 UTC
15978 kHz, 09-07, 1745 UTC, MFSK-66 45Bd	MFA Moscow, RUS wkg Russian Embassy Abidjan, CTI. Exchanging test tfc back and forth.. QSX 17480 kHz.
17480 kHz, 09-07, 1745 UTC, MFSK-66 45Bd	Russian Embassy Abidjan, CTI wkg Russian MFA Moscow, RUS. Exchanging test tfc back and forth. QSX 15978 kHz.
15806 kHz, 09-07, 1818 UTC, OFDM-128-tone 21Bd	MFA Moscow, RUS. Failed Abidjan connection attempt
14910 kHz, 09-07, 1845 UTC, MFSK-66 45Bd	MFA Moscow, RUS wkg Russian Embassy Abidjan, CTI. Exchanging test tfc back and forth. QSX 16112 kHz.
16112 kHz, 09-07, 1845 UTC, MFSK-66 45Bd	Russian Embassy Abidjan, CTI wkg Russian MFA Moscow, RUS. Exchanging test tfc back and forth. QSX 14910 kHz.
14474 kHz, 12-07, 0950 UTC, MFSK-66	Russian diplo/intel.
12060 kHz, 12-07, 1146 UTC, MFSK-66	Russian diplo/intel i.p.
11490 kHz, 16-07, 0750 UTC, MFSK-66	MFA Moscow. Ttraffic to Russian embassy Brussels
14813 kHz, 19-07, 0815 UTC, MFSK-66	MFA Moscow. Message to Russian embassy Madrid
14686 kHz, 22-07, 0920 UTC, OFDM+MFSK-66	MFA Moscow. Traffic for Russian embassy Rabat
17425 kHz, 23-07, 0800 UTC, OFDM+MFSK-66	MFA Moscow. Traffic to Russian embassy Beijing
11545 kHz, 25-07, 0750 UTC, MFSK-66	MFA Moscow. Traffic to Russian embassy Baghdad i.p.
16313 kHz, 25-07, 1113 UTC, Serdolik	MFA Moscow i.p.
12090 kHz, 26-07, 0836 UTC, 40Bd 35-tone MFSK	MFA Moscow. Unsuccessful link attempt
12090 kHz, 26-07, 0841 UTC, 40Bd 35-tone MFSK	MFA Moscow. Unsuccessful link attempt
16313 kHz, 26-07, 0846 UTC, 40Bd 35-tone MFSK	MFA Moscow wkg Russian Embassy Dar es Salaam, TZA. QSX 17471 kHz
17471 kHz, 26-07, 0846 UTC, 40Bd 35-tone MFSK	Russian Embassy Dar es Salaam, TZA wkg MFA Moscow, RUS. QSX 16313 kHz
18540 kHz, 26-07, 0917 UTC, 40Bd 35-tone MFSK	Russian Embassy Dar es Salaam, TZA wkg MFA Moscow, RUS. QSX 16313 kHz (QSY from 17471 kHz)
13410 kHz, 28-07, 1032 UTC, MFSK-66	MFA Moscow. Traffic for Russian embassy Algiers

**14829/12214/10923 kHz, 03-07, 1840/1850/1900 UTC**

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

Link 00117 via Cuba

**14878/12185 kHz, 08-07, 0025/0035 UTC** Header: 11177 00117 97639 05033 02469**14878/12185 kHz, 08-07, 0125/0135 UTC** Header: 11177 00117 97639 05033 02469**14878/12185 kHz, 15-07, 0025/0035 UTC****14878/12185 kHz, 15-07, 0125/0135 UTC**

11177 00117 34953 12034 01179

60141 53577 33207 47681 89372 70647 02916 38285 92034 77165

54681 05189 18109 73912 62665 05431 98776 87325 43575 65958

33199 61714 02580 16970 51329 99606 43054 14585 19967 90597

66818 92954 62767 17186 80786 69618 59661 75563 02598 23861

66134 09682 64230 50728 02354 30718 87422 12172 63608 87089

98426 87859 83647 15944 20000 81719 90934 73178 25312 12926

46969 94095 10723 32871 61912 14607 36522 43964 67462 99678

75267 47118 06660 90587 04660 06265 24142 01034 04062 27275

19006 20249 99503 70494 89008 22562 18130 77214 11363 86635

23726 56802 23248 23857 28877 35390 81655 22125 65889 93470

11018 75306 61828 54396 85185 29076 00732 70713 37639 69598

17538 07734 65558 93966 41507 34117 00000

**14878/12185 kHz, 22-07, 0025/0035 UTC** Header: 11177 00117 59127 19035 01759**14878/12185 kHz, 22-07, 0125/0135 UTC** Header: 11177 00117 59127 19035 01759**14878/12185 kHz, 29-07, 0125/0135 UTC** Header: 11177 00117 10125 25036 02669

Link 00052

**15634/13596/11466 kHz, 10-07, 0800/0810/0820 UTC**

11166 00052 13579 10041 00049 00000 00000 00000 00000

**15634/13596/11466 kHz, 24-07/25-07, 0800/0810/0820 UTC**

11166 00052 36947 24041 02519

32967 28777 20074 52882 98842 64846 33789 87789 36120 17607

06192 87647 65240 18071 98095 60210 18943 69441 11320 18643

24926 29689 70367 33686 52983 03227 49523 12875 96331 08847

81295 86493 20138 16114 07140 04959 67181 67407 56407 77310

69071 27792 64457 05516 36484 29910 65861 94240 26824 06079

23647 40823 12777 24783 80507 35086 00176 73752 42936 23715

68617 56803 34190 18870 33271 96640 77048 55723 51324 60806

92299 28611 21479 52953 23874 60483 49969 36649 26586 85347

81509 83873 77404 48380 18623 65421 96201 53410 77789 25386

86908 12445 55843 06904 35016 76943 05070 21370 22367 55506

40418 78282 45165 47683 27298 17933 46148 48585 23360 14106

96856 03977 72735 38994 90939 20549 76144 07500 34428 61057

85322 43124 43926 79004 95205 32625 88645 72568 32297 61628

37222 62448 62676 48390 95263 23334 68061 17884 44548 23666

63382 83411 19828 53388 54297 27924 84162 44379 58082 02227

88729 13242 36338 82278 28041 81145 12960 52751 26511 50409

75782 09054 17306 42505 85369 94991 99419 27182 39361 18272

83905 97382 65824 11009 65212 69653 44054 27457 78545 14730

76240 96123 29212 47986 58461 68470 04866 34431 24427 31383

06609 87944 60415 75595 59871 69444 14834 37267 91019 13659

50853 54876 80615 39206 15538 08653 29288 21656 23927 34700  
97122 34276 81485 31023 02541 86130 93377 97635 91574 12238  
33990 77930 13496 95464 75149 93518 63735 24844 96467 89703  
80011 20007 26256 33789 02634 76418 86435 33411 34892 11095  
39899 67072 64491 13503 63747 44072 31948 31322 96837 41249  
00000

Link 00128 via Cuba

**15980 kHz, 12-07, 1300 UTC**

11100 00128 79365 12005 01039

Link 10031

**14948/12176/10177 kHz, 10-07, 0915/0925/0935 UTC**

11166 10031 78451 10001 00049 00000 00000 00000 00000

**14948/12176/10177 kHz, 24-07, 0915/0925/0935 UTC**

11166 10031 78963 24001 00049 00000 00000 00000 00000

Link 10053

**19535/16348/13588 kHz, 02-07, 1650/1700/1710 UTC**

11166 10053 15478 02070 00049 00000 00000 00000 00000

**19466/16189/13576 kHz, 07-07, 1530/1540/1550 UTC**

11166 10053 17935 07001 00049 00000 00000 00000 00000

**19535/16348/13588 kHz, 09-07, 1650/1700/1710 UTC**

11166 10053 79631 09001 00049 00000 00000 00000 00000

**19466/16189/13576 kHz, 14-07, 1530/1540/1550 UTC**

11166 10053 35741 14066 00049 00000 00000 00000 00000

**19535/16348/13588 kHz, 16-07, 1650/1700/1710 UTC**

11166 10053 79165 16001 00049 00000 00000 00000 00000

**19466/16189/13576 kHz, 21-07, 1530/1540/1550 UTC**

11166 10053 13579 21001 00049 00000 00000 00000 00000

**19535/16348/13588 kHz, 23-07, 1650/1700/1710 UTC**

11166 10053 17935 23001 00049 00000 00000 00000 00000

**19466/16189/13576 kHz, 28-07, 1530/1540/1550 UTC**

11166 10053 71456 28001 00049 00000 00000 00000 00000

**19535/16348/13588 kHz, 30-07, 1650/1700/1710 UTC**

11166 10053 13579 30070 00049 00000 00000 00000 00000

**17419/15707/13446 kHz, 03-07/04-07, 0600/0610/0620 UTC**

11166 40122 78324 29038 03909  
99430 45814 18186 04588 95763 54733 26281 98803 16718 14636  
30275 85202 01074 99288 73280 25808 66243 07255 80617 84684  
94937 38969 63903 42171 75046 39918 55721 61933 03691 64621  
48281 78048 91362 41108 34531 94286 27109 40560 75137 12795  
90679 81821 39794 34357 22593 25466 96275 97427 88042 37088  
45684 48119 95595 24536 27326 58336 56608 78744 41659 34242  
96304 72878 64734 82242 52449 99459 52588 24679 22566 50166  
59006 82413 45610 68006 15111 66499 29071 26530 44196 46120  
57408 15788 10260 84980 42782 39710 23655 63350 03996 54606  
52323 27936 84611 03454 12016 36769 46155 25689 33967 91308  
97355 47163 33441 72929 45362 79965 27599 26002 79869 86796  
76113 54733 26086 89581 42985 25969 27498 27011 02976 95140  
44343 90683 41119 97543 78757 94566 18727 72134 62506 57433  
04340 10034 68264 02975 93059 44928 30356 07286 62694 27550  
85913 48390 40158 51428 72383 37512 76562 22097 42310 36766  
54436 86945 81351 92971 75515 67906 40448 42251 02530 64154  
18093 65137 53439 17022 53638 96835 71540 54304 17569 22367  
19899 56140 09692 11251 73526 09681 01172 71429 07758 44692  
81347 27120 06247 67319 95280 50275 37042 34177 82951 00352  
70152 33960 56066 52060 35062 68757 73387 15795 41625 52265  
00545 80422 12773 67084 65254 33130 02475 48276 43883 36001  
97397 85390 40301 64024 25681 60125 42955 34213 21294 61824  
71101 80526 17382 47995 46141 54275 67066 42033 48983 54712  
15118 85334 49388 19477 68940 86003 18214 29592 42324 31315  
58515 08705 70373 56144 16424 21249 19074 84540 57760 99217  
37925 86624 21290 52244 29070 18015 84593 40666 31376 33956  
03462 16263 42885 95344 10768 60367 30090 08833 85745 74012  
97455 68206 29624 99831 15636 89216 08532 80371 31824 55056  
49645 82531 10655 14670 01474 42789 79130 01086 94263 12929  
73972 61945 61419 10932 14856 19441 07912 06744 51970 01821  
36588 97580 61314 13677 68330 52483 86202 37182 17004 30786  
48390 81472 05121 04211 77263 22365 31173 37256 30539 99589  
24553 05573 04903 63734 49015 57016 60023 90082 40613 45068  
04393 01527 91039 89298 16407 67762 12318 42575 99149 72930  
43780 69694 92296 68906 87262 67124 89594 56425 81468 78553  
35335 61218 51425 85920 98275 97366 93971 80628 46441 35040  
85227 44616 71233 14823 20965 95979 34305 75811 25833 78837  
35617 89660 92363 02116 26129 17784 35704 56954 13554 33879  
75005 67400 34618 78978 77408 54106 92263 41199 38388 00000

**17419/15707/13446 kHz, 10-07/11-07, 0600/0610/0620 UTC. Two messages**

11166 40122 69872 06039 03029  
55851 45087 27180 71632 60922 52994 18817 87094 08495 61593  
12679 96582 86039 45823 46331 77262 01035 26343 14451 34422  
14473 55852 94182 97028 62370 45356 70209 11808 69938 53803  
76712 21807 88130 89549 98412 40362 07234 97069 97890 56413  
27198 27359 61348 32107 89392 15467 80029 78619 99479 13600  
09467 21140 96080 53219 73744 88954 44937 34590 06973 91562  
63243 67202 49160 66765 03850 09514 38657 11665 54006 81439  
68379 32516 28349 48041 97982 74351 60819 97838 39186 16345  
25183 64193 56422 43822 38862 63188 50012 32872 29746 46459  
14045 08500 70685 92396 86146 62246 11347 84166 31347 40216  
62115 47987 27194 37458 09739 50094 42345 59632 69398 75837  
25789 37890 02887 39342 48908 07926 57598 97174 67555 89120  
05993 64448 96342 24718 90249 56814 12318 68981 01772 06757  
30230 32253 50252 27656 16561 19863 01972 24032 34512 25827



92021 71422 37142 67263 40148 14327 50828 70470 24886 55653  
16254 44601 95688 36104 79099 03875 27734 26947 47631 24262  
49086 84597 59366 45575 94917 40454 24014 54911 68461 24432  
34871 12377 13395 45617 65859 05041 27335 78491 96398 40037  
71131 28163 31300 12779 53654 73034 07861 11194 96749 08350  
07359 41944 10066 39062 13128 89546 30424 95451 82404 44349  
05436 69935 24123 60285 26034 98506 99867 28356 37628 35241  
90148 76769 84556 93305 93199 33680 67523 50911 48481 13459  
18720 45638 02083 12445 24297 05588 56201 25093 48900 90779  
69892 16486 41937 43243 03281 12119 30269 69238 22408 90910  
27022 02044 06920 92375 11193 18744 27771 73894 57744 09468  
87132 79018 22880 22492 37701 02743 14180 33675 23583 64700  
00284 13635 09954 26192 39816 91122 93669 12006 34242 36024  
12031 22964 34323 10431 91864 50123 54885 61204 06143 26574  
77574 52501 30295 77780 46280 61653 15421 56382 84927 86885  
20583 72420 92325 40273 71373 54899 93740 24400 36929 05637  
39300 00000

11166 40122 16349 06040 02989  
53908 16137 42602 31341 81148 05995 60450 64844 77293 66476  
44760 11434 13087 47870 04764 81217 33779 24925 31763 93467  
24565 42842 22824 63866 90590 36015 68251 10604 31188 17966  
95009 40264 13034 65910 83298 99426 71931 48392 98455 02933  
97885 69408 05377 74748 83165 27495 57645 62365 38051 13176  
78561 10667 03929 93234 76241 06212 18456 55242 59998 27865  
12448 10772 50173 64705 43198 80744 98610 87170 93913 11341  
61972 82344 93944 93916 95060 89359 39508 87361 56360 95819  
19581 66333 42962 81208 76669 43810 97082 18196 57109 41400  
51340 67801 30623 05835 04996 29339 83794 95098 48340 31084  
17153 82621 77403 72600 00567 52976 66193 54667 66621 87515  
88638 57741 46669 63389 07424 54886 79248 14382 71907 70117  
45552 26996 92311 18097 11631 70231 82366 86104 82026 82495  
87601 44239 94516 64078 41465 94779 10660 48625 16467 96637  
81829 52064 62526 25852 95424 22399 49717 58054 30942 38824  
57589 83840 80599 33599 78262 32997 14198 35101 25486 88506  
92911 55521 66822 16275 61686 71615 21187 21528 74942 71965  
88886 67796 35266 69181 06381 79436 49772 00478 42926 93630  
33837 65074 81311 32791 16877 71842 49855 33312 29865 95648  
97866 91610 79279 65823 31743 13388 37156 35202 53909 77051  
01949 03161 71770 47233 09878 91099 68869 99341 01446 93805  
55446 41096 72832 55131 40573 41955 66823 41420 93063 06409  
82985 11137 83334 52044 11772 04113 23415 78340 22232 98869  
47287 37119 58024 11436 98748 40599 21423 34115 18976 67977  
49996 37625 50985 56491 15643 85056 03184 87884 00691 31090  
39173 06223 30725 04895 86027 28000 68844 00163 78202 30455  
01032 20710 79286 29063 67325 55081 48765 80109 18475 78587  
45993 69316 02782 06239 88565 72422 12791 44976 07266 98690  
46542 18672 64784 53249 63060 64311 30396 79230 36762 22807  
27784 65619 40487 72880 98185 31776 40296 00000

**17419/15707/13446 kHz, 17-07, 0600/0610/0620 UTC**

11166 40122 17258 17069 00049 00000 00000 00000 00000

**17419/15707/13446 kHz, 24-07/25-07, 0600/0610/0620 UTC**

11166 40122 74236 20041 04179  
49454 18601 83414 52035 88620 17587 10826 34995 50429 49095  
17698 01064 64588 65447 59555 72456 40199 77257 90034 95171  
71290 49866 86787 87227 71752 46740 12240 61212 81846 30784  
63899 94591 13489 59502 93912 46207 26488 34942 02533 42403  
52929 94363 35212 81218 11892 52565 37991 28085 81680 31812  
50876 01466 21770 40292 43892 71869 61641 85054 25500 22690

98700 30350 78062 46288 72465 37325 00055 73775 07216 45992  
59688 61917 40275 85436 89663 85612 78139 23170 77710 09367  
47616 89589 32625 36218 34171 38468 30478 57527 24674 29421  
70687 52100 96722 43280 96642 08055 21735 66314 60568 65879  
74004 04242 37309 06122 62891 11952 16733 30149 30359 49906  
29432 07402 81009 03119 85414 87599 36850 23681 30467 01317  
33935 82759 49888 97380 03099 42999 74265 90524 01958 87280  
66994 17723 90366 64754 98225 26666 66520 40108 34915 44798  
05892 56980 01690 02355 70180 51488 92191 07846 78477 76777  
35596 99417 57820 24548 48003 20531 15327 54495 23370 93390  
99108 67592 43687 88569 40129 84161 13079 14260 92213 12665  
45515 73589 12392 20161 60829 63449 48758 40350 68715 13251  
28034 80166 45412 87071 60036 10830 32743 97612 01217 54318  
14207 05412 44474 01183 47810 01749 27429 20651 60324 98675  
76334 48947 32653 74617 27826 66779 31006 48976 95685 01920  
63557 84176 74815 17821 67278 38583 99606 74209 54635 18750  
98889 70580 74842 04408 14653 08549 69343 44650 76717 33979  
26228 48749 50561 44842 63258 20037 00473 75730 94192 06287  
35218 94971 58103 65041 28427 75275 16366 67319 30864 23855  
47016 88130 16783 82958 91150 57260 31557 36748 31075 68725  
32757 85459 04871 72379 41884 72796 87075 96066 48923 77470  
90170 71792 36924 04847 66548 64331 18790 39627 15662 25708  
03453 45496 26034 24004 33642 22690 06822 19914 62410 59399  
88610 89490 60625 37972 98144 16525 72605 81822 36661 02987  
62081 54017 16536 70971 15684 43447 35902 54591 96134 99534  
95963 05242 62334 01426 90653 58682 98527 72574 23357 37377  
19749 76688 30364 86523 45708 55956 15753 67210 60338 97493  
27384 55140 99163 38954 28695 18361 31690 49236 45987 72431  
31007 45222 95882 36475 47777 30498 22649 38539 30813 66974  
00071 43718 61423 15360 77564 03464 93707 05417 75213 49520  
18012 21947 57423 80934 89698 17425 39869 17563 90447 87240  
09437 18523 14262 68473 61842 89023 95365 48131 86606 24012  
20183 91816 54088 62071 90593 28721 84250 48014 30637 53919  
01857 27603 53865 33880 07775 22836 33527 26135 21091 61239  
42775 49051 71699 57598 57071 62634 48079 71567 35996 46305  
29928 89600 26635 84587 60350 41415 00000

**17419/15707/13446 kHz, 31-07, 0600/0610/0620 UTC. Two messages**

11166 40122 36921 27042 03029  
92913 56964 64502 73515 74605 82400 69045 45423 92141 20120  
08134 94796 15979 60764 01753 30415 09319 91901 20537 44393  
02446 88454 31642 10275 26916 02433 41191 64030 64318 25432  
00499 03905 89249 22319 68245 70050 11236 59542 45797 89881  
45255 76518 27862 00091 65564 73510 35657 81259 22516 14459  
24795 66012 27044 68183 85052 06629 32527 36405 74230 13083  
68686 42022 53277 97415 07230 76074 14873 85402 63925 26841  
22654 81439 66776 39503 03276 97586 45013 79804 58492 82716  
18557 00167 89435 12693 92671 31667 50304 27518 87472 50347  
73620 26402 56988 91264 34264 56669 77459 08746 44460 57450  
09565 06258 96915 44107 64260 84354 98280 44304 26918 80123  
60138 21688 19452 96571 39692 48093 05126 45398 47355 10234  
65713 51570 63419 61789 05724 93168 30993 56848 63351 74911  
17396 25635 32860 58815 61197 78460 28077 00417 47092 48826  
41688 64004 75788 11637 80023 15283 21107 37438 78016 14929  
91475 68632 24025 61448 38001 28607 49208 56802 76315 99698  
61136 93211 14381 30960 26329 84598 03428 61633 31406 91095  
54239 71295 77543 10049 85948 92590 87905 31972 99539 47509  
32769 84877 93249 93130 01996 15420 62049 87779 79567 80298  
48393 13529 99852 46347 36428 15991 90298 22757 06845 47326  
30243 73859 94563 23418 80516 85920 16436 31139 63545 86372  
61158 46656 98617 38922 58573 50708 22024 62983 70562 51795

46740 50852 70698 53208 41354 81085 04863 24855 32913 51499  
50002 65799 63391 80238 13219 68464 54452 48346 38382 20434  
60200 82280 12445 04787 12612 99805 88654 84907 89323 67700  
68850 84704 58479 44721 12020 00172 80306 08254 61324 03246  
70126 88099 06764 23877 52472 55825 25670 21265 61009 43113  
68227 80188 63944 87555 80193 93374 19611 29332 80015 15835  
91918 07197 32535 02120 80346 27224 86454 62413 44187 02741  
67762 98413 25706 88893 46307 04945 01916 60277 17698 48214  
42300 00000

11166 40122 53781 27043 02409  
19657 05073 67730 56681 93660 34118 11512 85453 72290 28367  
24489 40156 00646 73159 07553 71217 35720 52744 53415 74491  
93287 03500 06441 59177 31231 49277 33121 68952 98965 67312  
45392 67269 07678 58139 43956 22751 01046 17953 73818 55620  
31134 36841 09221 31102 69156 71336 10151 10734 05788 64726  
17627 97527 20711 13547 79934 35914 26093 03714 27010 52410  
13678 64709 35158 47948 60168 15288 49286 77799 70609 99105  
54846 80036 64441 33744 16669 38465 33913 21541 26889 90970  
29552 95676 29125 19204 52371 99958 11132 80564 57498 25724  
83086 68392 98921 54314 83711 11333 70035 78558 81414 47790  
19674 01687 62638 36422 48323 37132 24606 88600 14189 57646  
14639 33789 03827 67166 83258 53766 46997 93875 43234 46632  
80462 27894 51779 06535 90376 52031 58080 30067 87998 39051  
83344 85251 98372 13866 25554 04063 66701 04122 06114 84424  
12073 27592 00587 12616 83237 89827 20690 42023 96130 90500  
39754 89182 57815 61871 78826 33036 06539 87828 95606 28358  
22592 76928 43395 69271 89652 87877 92260 63805 11314 30891  
29590 05419 12464 93374 82230 52438 80223 63354 27393 51345  
24123 49098 84517 64845 60199 18368 05283 90657 48712 05738  
03944 81974 40159 61419 95196 05504 09274 40018 31740 98060  
81708 52682 58741 07625 83075 31058 27379 29806 65037 76504  
34653 75665 88139 92995 81662 31810 66068 27155 67510 98723  
01018 63852 61059 18247 64859 50809 17692 26160 05807 50646  
33288 90799 85245 43799 52590 23647 74431 30766 43238 00000

Link 40133

**18516/14878/12119 kHz, 06-07, 2100/2110/2120 UTC**

11166 40133 24579 06038 00049 00000 00000 00000 00000

**18516/14878/12119 kHz, 13-07, 2100/2110/2120 UTC**

11166 40133 13579 13001 00049 00000 00000 00000 00000

**18516/14878/12119 kHz, 20-07, 2100/2110/2120 UTC**

11166 40133 78963 20001 00049 00000 00000 00000 00000

**18516/14878/12119 kHz, 27-07, 2100/2110/2120 UTC**

11166 40133 14279 27038 00049 00000 00000 00000 00000

Link 60070

**11469/9293/7843 kHz, 09-07, 0030/0040/0050 UTC**

11166 60070 78963 09001 00049 00000 00000 00000 00000

**11469/9293/7843 kHz, 16-07, 0030/0040/0050 UTC**

11166 60070 17935 16001 00049 00000 00000 00000 00000

Link 70048

**11546/9974/7915 kHz, 04-07, 0800/0810/0820 UTC**

11166 70048 78965 04001 00049 00000 00000 00000 00000

**11546/9974/7915 kHz, 11-07, 0800/0810/0820 UTC**

11166 70048 14279 11016 00049 00000 00000 00000 00000

**11546/9974/7915 kHz, 18-07, 0800/0810/0820 UTC**

11166 70048 97531 18016 00049 00000 00000 00000 00000

**11546/9974/7915 kHz, 25-07, 0800/0810/0820 UTC**

11166 70048 56248 25001 00049 00000 00000 00000 00000

Link 70059

**10538/8107/6791 kHz, 15-07, 0400/0410/0420 UTC**

11166 70059 97531 15021 00049 00000 00000 00000 00000

Link 80214

**13814/11643/9925 kHz, 04-07, 1310/1330/1350 UTC**

11166 80214 79461 04036 00049 00000 00000 00000 00000

**13814/11643/9925 kHz, 11-07, 1310/1330/1350 UTC**

11166 80214 71629 11070 00049 00000 00000 00000 00000

**13814/11643/9925 kHz, 18-07, 1310/1330/1350 UTC**

11166 80214 78523 18081 00049 00000 00000 00000 00000

**13814/11643/9925 kHz, 25-07, 1310/1330/1350 UTC**

80214 53726 25056 00049 00000 00000 00000 00000

X06 - Mazielka

Code	Freq	Date	UTC	Details
X06	14825	1-7	0930	MFA Moscow clg 641523: Russian embassy, Lusaka
X06	10653	12-7	0831	MFA Moscow clg 356412: Russian embassy Berlin
X06	12122	15-7	0650	MFA Moscow clg 165324: Russian embassy Vienna
X06	12157	16-7	0800	MFA Moscow clg 165423: Russian embassy Brussels
X06	12149	16-7	0826	MFA Moscow clg 154263: Russian embassy Rome
X06b	12223	3-7	1553	Sequence: 111666 before E07
X06b	12223	3-7	1557	Sequence: 111666 before E07
X06b	13394	7-7	2012	Sequence: 111666 before XPA2
X06b	13394	7-7	2014	Sequence: 111666 before XPA2
X06b	13394	7-7	2019	Sequence: 111666 before XPA2
X06b	11023	10-7	1618	Sequence 111666 before E07
X06b	14763	10-7	1807	Sequence: 111222 before E07
X06b	14763	10-7	1811	Sequence: 666444 before E07
X06b	13394	14-7	2030	Sequence: 111666 before XPA2
X06b	13444	16-7	1802	Sequence: 111666 before XPB1

## XPA1

### 10446/11474/12175 kHz, 04-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1  
07631 00098 72786 34944 78988 66181 85276 09080 07381 82178  
16901 20711 79705 45846 48640 32076 11139 11788 73686 81863  
47452 51645 12754 38394 03680 28716 31936 58814 51174 46813  
16526 05949 23312 92490 40329 19702 47607 46500 72593 40829  
93414 40570 95984 19013 33556 04348 00106 16812 85131 34434  
75676 36591 86497 71844 47731 63845 71555 30710 24860 35330  
57818 57680 78342 49403 88799 38005 54283 15068 96157 88946  
97604 13773 70215 90902 84699 46147 53456 34867 27024 32421  
15473 04377 23721 70423 17066 69116 27454 73281 36782 05265  
41132 73536 40815 43443 27393 78852 58168 58425 62022 00544  
56116

### 10446/11474/12175 kHz, 09-07/11-07/16-07/18-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1  
06237 00145 91563 38341 62937 89546 98695 54368 92471 02866  
45078 64978 37749 60154 40332 51847 32227 17779 13970 49120  
67739 37875 69220 20204 98754 08351 58187 72362 57775 69659  
45044 63105 20045 21494 98293 02802 24610 66683 62628 66427  
43692 09360 92055 86240 82485 00976 63273 62349 83940 37605  
06619 51287 28928 63477 42699 96681 48723 21941 56534 37341  
56420 92816 65663 96188 09595 98951 66614 28814 72806 11113  
39990 89867 72880 83410 19655 91186 56937 23291 95733 82227  
86404 41669 35210 17410 88324 83861 77624 47311 80920 06532  
80874 68356 86935 34555 34101 31780 55240 01161 32430 99198  
26215 18121 80845 29609 24252 34608 76232 74049 72187 48157  
62212 51655 87299 91835 82777 27287 89925 48364 59733 55786  
21394 34193 36441 97641 04189 85021 23337 89642 29663 47359  
00726 15891 81774 09377 88826 03395 47551 68122 11324 74792  
03119 72711 89594 95794 37613 65772 98665 17606

### 10446/11474/12175 kHz, 23-07/25-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1  
00589 00102 41976 92498 91506 17850 33158 86537 04603 48382  
89288 13608 81028 22259 35991 07842 12198 80071 80362 97565  
34199 68418 66131 41263 26134 56808 26579 02429 63781 25259  
87707 92582 09439 81878 13493 19247 34233 39758 33537 61874  
73835 56639 46219 91675 71222 33090 49756 35783 77659 56248  
02975 36056 00104 07559 82658 75792 86541 11451 62329 28318  
96706 12292 45122 32882 33873 77823 67850 97473 00374 25022  
99552 80268 01602 89228 72926 20692 86505 09298 48069 25599  
48274 92296 05664 97571 30713 20950 02530 78645 22013 10659  
64287 02455 94600 63882 08536 95325 12888 08566 73560 75311  
96242 37465 79745 11882 33562

## XPA2

### 11167/12167/13567 kHz, 01-07, 0700/0720/0740 UTC

04318 00001 00000 36655

**11167 kHz, 03-07, 0700 UTC. Stops after 1 minute**

**11167/12167/13567 kHz, 03-07, 0700/0720/0740 UTC**

00372 00103 86866 27258 00203 30038 35304 43688 68336 80002  
38057 02308 77456 16078 20667 63107 73762 67865 26841 71740  
44854 33830 65191 00043 15735 32452 63133 96826 41596 59691  
51782 72423 58582 64937 30878 37769 21857 98702 03380 89125  
16207 27394 69188 15539 63221 26095 53359 58540 13655 05877  
86614 87365 77442 83550 19782 67310 58610 78120 67332 89115  
21181 22518 88090 50560 08860 60383 18812 33665 85803 68087  
39698 06747 67046 53467 35461 70086 13921 62768 84515 77724  
85175 67863 02534 07840 71451 98867 59748 00648 02824 10706  
06981 39950 02493 20780 57861 06928 54881 14703 66358 58038  
00507 60578 88823 22266 33069 01434

**16296/14981/13953 kHz, 03-07, 0910/0930/0950 UTC**

09878 00188 87420 65186 87873 36827 84506 44347 86949 06902  
00551 29918 95597 68508 31044 78968 40416 92182 62300 32795  
12213 52619 87955 05709 98353 21994 74347 71525 56972 55284  
93575 69865 16037 67352 75881 46890 24339 59938 62389 46627  
65708 53109 14077 40852 07712 28020 26282 35751 06723 92415  
13590 76771 71963 14582 42312 00298 81156 77366 46700 56283  
59123 08657 13737 03327 47487 19740 56185 71760 11029 53004  
02256 27031 56823 08518 22486 45364 09486 11049 90687 49510  
20069 34905 83852 28807 02100 08763 62469 78669 10305 79614  
55631 78273 40298 17980 27763 95255 36334 57031 65375 72615  
26547 36613 59638 05001 90966 28464 43316 47046 35994 45961  
95089 04509 00657 63546 97687 00956 83310 83443 95921 80672  
98230 35770 46519 54444 64932 61978 36409 43906 22075 37370  
59716 76737 34342 09495 56418 70873 41379 65519 46360 95060  
08062 36904 81182 02046 18456 14589 51917 76128 77086 19163  
68254 07738 08485 41525 46896 48157 81108 86059 62868 96544  
75975 50886 97537 86798 10947 06132 40326 23437 60407 85075  
32901 57912 52081 56685 76933 32930 76719 94049 87725 92026  
27989 27066 68866 59206 10975 69401 95320 30545 49481 40556  
11272

**13445/12145/11545 kHz, 04-07/06-07, 0910/0930/0950 UTC**

00582 00090 21165 47765 70825 38859 86072 41867 15956 38345  
47514 21647 30111 40871 66284 61983 91571 14183 65845 25307  
21907 77720 70392 38736 32985 45249 86100 96308 52128 92031  
27957 79361 84962 66842 62906 70146 26287 13137 80777 89453  
14582 20078 06691 96429 25527 78449 06336 59317 19418 34557  
40783 32255 47059 33418 32944 43436 07092 70773 30448 22987  
71795 64199 10667 83176 30929 73634 35907 06175 12295 42126  
76723 53220 04657 94956 86642 90837 22484 57356 17197 19912  
21845 28661 43106 21710 64070 11696 87916 35880 61725 25773  
24132 70086 50116

**13538/14438/14938 kHz, 04-07, 1600/1620/1640 UTC**

04295 00001 00000 34665

**15967/13884/12217 kHz, 05-07/06-07, 2100/2120/2140 UTC**

00162 00060 69847 79651 65019 21896 15808 98500 00412 01600  
29111 39232 21117 31454 10696 72575 55383 98157 15980 88775  
45385 71964 33493 07101 25737 54568 11609 17615 72681 66641  
24986 41726 66699 52236 12767 89816 71541 83613 76837 60502  
51197 23090 34580 15768 80298 19791 38795 13394 38026 92764  
67306 12265 82289 18390 80578 72077 74036 94823 16865 57078  
55243 68882 75740

**13954/12154/11454 kHz, 06-07, 1500/1520/1540 UTC**

03534 00001 00000 35656

**13394/12194/10794 kHz, 07-07, 2100/2120/2140 UTC**

04495 00001 00000 35665

**11167/12167/13567 kHz, 08-07/10-07/15-07/17-07, 0700/0720/0740 UTC**

05937 00210 40306 08165 43632 13620 66610 99494 57940 91729  
98802 71716 63960 27539 35651 74936 28455 08724 17701 07773  
55380 96478 00227 66068 44640 35349 24297 89897 87797 95348  
76508 13325 55162 63273 13275 10247 04739 35851 50814 03895  
78504 62193 91064 63135 20489 76549 44394 12454 87663 05367  
08047 63127 13891 19274 01722 64219 85542 24157 22376 93674  
84061 21582 75975 12933 92258 00895 99743 68491 93613 50791  
59194 90702 93802 56163 76102 99852 95390 94255 27796 92917  
25390 32824 03174 75662 78128 82811 01552 91458 42940 80611  
42749 34999 91736 59283 08945 86855 57739 10104 21859 15592  
33717 23830 00173 05705 04249 17840 65287 59616 46014 17827  
59011 44991 95439 56764 39906 91281 04516 36865 15546 76265  
26932 68333 48384 39083 36730 43503 58677 36792 14873 47562  
39019 67869 87041 76242 64751 37995 72253 46283 77798 69870  
44534 77350 17725 08998 86569 70842 42102 87329 07522 03956  
17034 92752 90623 08664 26214 22323 70720 10837 30995 82708  
53001 21546 75219 47012 68316 15000 93599 14842 42278 54633  
77490 55759 54675 49456 28705 55418 43816 08289 13232 57179  
61780 83595 88112 12028 47689 05843 18093 24426 86166 45688  
14819 63299 65806 64350 26074 43568 27641 07770 20933 02090  
63926 28959 56562 40491 49402 16455 42348 92031 70184 39367  
42644 43376 36035

**16296/14981/13953 kHz, 08-07/10-07, 0910/0930/0950 UTC**

00508 00111 50689 01510 60449 05728 66187 17465 13797 47871  
70842 57331 74672 30287 58185 47280 24537 52425 03415 34502  
70465 54101 86587 96341 97809 05211 59927 33222 04746 60220  
34895 13389 18322 13209 98396 13429 34927 60877 93126 90411  
72369 97006 98143 18525 33498 61252 30681 92524 59599 46663  
54915 07822 70796 19398 62962 37343 41074 61562 03767 21336  
13107 90142 63639 34955 12953 59621 45652 77790 92684 89879  
74643 31329 46108 24928 18679 71968 69665 27454 59537 41192  
14764 89687 67473 54023 32274 27777 45038 96216 72956 97375  
08097 41312 88733 70865 81261 21550 15676 82921 55081 09257  
17556 40910 41849 85280 52063 95898 26437 20571 20461 54326  
68718 33690 82292 56777

**13954/12154/11454 kHz, 08-07/13-07, 1500/1520/1540 UTC**

00154 00237 52761 52046 51363 56412 48543 34843 85316 30922  
43868 54867 38149 85535 59136 14059 62605 62076 61226 96476  
93457 13419 20845 27901 21418 95222 21838 59730 16263 56037  
34681 07829 17865 40204 07831 43333 23370 39582 86329 84975  
31645 99759 8x13x 0x923 56362 69084 76641 77010 07766 43883  
78513 63101 02610 51937 54362 68335 07011 04227 70594 66487  
08820 69208 84711 56440 83728 26619 19816 18095 49868 13551  
91544 33759 26105 21066 41823 92838 96088 93419 90006 87152  
85585 33988 73072 54641 47199 58969 53443 38700 86303 98184  
73252 19370 61286 93107 13291 19642 16240 45987 69920 93136  
95717 93456 51393 39159 04674 69655 27840 55774 61334 18247  
13741 74036 09672 70558 14223 67649 36399 64563 44013 15488  
18126 15722 11537 84802 61880 12778 35273 85924 28957 98572  
81811 66489 50494 87091 00130 83047 03821 83803 84605 02887  
16164 08260 93536 75726 77858 12935 43001 42168 00846 01262  
03896 95926 95919 60053 11084 27985 69870 53188 91992 07985

21026 54046 91782 51591 45033 60295 92633 71965 13880 51659  
46716 00968 94315 31119 96529 52698 83870 73706 41504 93955  
00494 55394 31648 65299 97632 67902 15032 99919 85568 60224  
07972 48633 92557 37639 60587 92075 47372 48177 17370 81710  
50744 49436 34187 91800 50718 18762 46210 90358 46863 05172  
26441 10670 36410 64435 25281 29951 80622 60635 79136 42823  
94455 72651 69062 73020 01376 63469 34112 19901 62581 24709  
42517 67557 03454 19607 98327 79019 49253 62565 43499 42441

**13394/12194/10794 kHz, 09-07, 2100/2120/2140 UTC**

03260 00001 00000 32261

**13445/12145/11545 kHz, 11-07, 0910/0930/0950 UTC**

02656 00001 00000 37257

**13538/14438/14938 kHz, 09-07/11-07, 1600/1620/1640 UTC**

00193 00212 84113 26719 94151 68078 56661 85233 07399 90151  
57675 06459 15649 83118 84364 82045 20111 64992 29820 67231  
38525 23539 53482 18082 78845 66281 67439 54916 12946 17008  
31914 34487 83699 94628 42186 70009 53479 54133 62933 29056  
60654 31693 68393 05672 77879 24878 06437 43610 40929 57289  
29206 90318 59113 54784 04309 19304 35745 91572 25117 80465  
89602 40631 89162 07473 10394 36303 13575 07621 72105 65457  
39387 07132 46402 72389 77765 24038 46613 98692 67405 48637  
34022 32622 24608 81379 12534 85388 72354 70718 65363 24472  
72619 94018 00656 33409 41379 16798 31931 11455 51292 26724  
65688 77978 38190 74577 94122 15941 73542 25085 01913 86453  
30501 64912 28076 84091 80263 11168 97986 06953 64057 74382  
53205 97254 90831 15421 33872 24545 26335 19218 02800 27530  
92851 24175 94484 24394 00777 46796 58953 70795 15536 32383  
58842 70783 89276 34114 69828 37490 79463 00486 86735 65532  
55156 74640 37117 76773 46088 05473 71295 13336 81397 44209  
84882 89510 42038 88502 18346 82687 97224 84729 55962 84312  
32026 18974 03262 46993 13872 04928 05385 35651 46095 01750  
91171 83065 62929 43914 10961 01975 24974 81487 27394 81620  
54930 75131 35050 42468 26833 20118 09018 06657 68645 29066  
54804 78421 13674 82754 62932 18131 39026 27511 66364 78058  
43841 54400 75777 75801 14766

**15967/13884/12217 kHz, 12-07/13-07, 2100/2120/2140 UTC**

00564 00098 76870 26910 01435 36656 75228 20062 06535 93580  
81193 69267 02783 11823 80862 70927 49670 64585 93770 47459  
30266 21566 50788 78944 15767 86832 32849 45188 15256 20637  
13147 29060 92158 00785 78566 50392 15911 90387 81059 42669  
57536 92456 57938 33801 43910 15775 06432 80647 61523 95481  
41858 42883 30738 07731 19419 23798 04467 01861 93384 88652  
87964 30100 97486 40067 68883 70679 33356 85413 20795 39894  
22413 14951 72405 36836 04497 99862 41925 30125 19464 39342  
23742 75990 06721 05254 73574 89841 49421 44152 82737 65020  
88820 00239 03864 19138 76196 29108 65119 57011 85640 68065  
15523

**13445/12145/11545 kHz, 13-07, 0910/0930/0950 UTC**

07241 00001 00000 32663



**13394/12194/10794 kHz, 14-07/16-07, 2100/2120/2140 UTC**

08178 00098 51623 70359 55769 90495 12434 32431 59068 58893  
21114 50782 83287 56860 31362 92050 56756 11337 71141 83697  
23769 79013 30562 83729 56975 78790 22098 68906 87080 53392  
00065 46640 72422 97455 74762 47545 57022 38814 75033 40380  
46971 06569 60557 42180 42916 40951 19257 37344 03629 61987  
83422 13636 44555 29598 65282 63147 72414 35768 79741 14405  
52351 53966 52331 54276 76391 92341 88398 14970 05913 36410  
26612 62644 99808 93338 46366 99101 42807 29366 00981 69756  
84048 74810 14968 75167 23673 95807 05075 83646 63199 24273  
37460 19490 69138 82515 86830 32412 92228 38593 54383 15992  
67577

**16296/14981/13953 kHz, 15-07, 0910/0930/0950 UTC**

04516 00001 00000 36655

**13954/12154/11454 kHz, 14-07, 1500/1520/1540 UTC**

05907 00001 00000 41255

**13538/14438/14938 kHz, 16-07, 1600/1620/1640 UTC**

05352 00001 00000 33662

**16296/14981/13953 kHz, 17-07, 0910/0930/0950 UTC**

05230 00001 00000 32260

**13445/12145/11545 kHz, 18-07/20-07, 0910/0930/0950 UTC**

08610 00112 51271 34561 99109 43645 92807 76033 57859 14165  
11123 80254 92762 50975 99291 49905 89387 38740 23307 28766  
37955 75709 31290 38248 04623 35768 32657 14271 24389 16209  
09202 76641 75701 36861 74845 42573 99565 77839 05117 86603  
97180 26073 52018 50594 85408 32029 98589 25542 24745 32962  
35877 99354 48727 15315 36665 39246 73367 59582 84158 02679  
15643 35187 59742 14316 36908 79061 57779 66159 32938 40252  
61223 69872 47441 90929 62924 78802 31970 45826 42937 84689  
71382 31377 11315 19658 56229 63016 38172 81847 40571 87473  
50027 48690 96218 04814 38499 47151 97616 56181 86798 84899  
26857 64090 20258 09331 65692 97052 91663 15960 97389 98639  
39228 87896 51231 14466 25655

**13538/14438/14938 kHz, 18-07, 1600/1620/1640 UTC**

06553 00001 00000 35263

**15967/13884/12217 kHz, 19-07/20-07, 2100/2120/2140 UTC**

08149 00104 79482 00703 35690 10349 41630 14041 95374 43490  
51509 92929 45410 83019 20626 79979 34996 64842 90481 05990  
02252 25496 52696 56377 71068 60456 18270 94500 12366 18780  
94261 40830 02270 80563 45583 53104 48964 95137 98357 13801  
05425 28349 23532 84441 36550 30650 32594 17451 16107 07427  
78116 63651 78216 56548 56852 93751 38368 51714 50122 35355  
21009 50756 19048 61960 68576 82284 68631 13170 16418 38548  
64246 52042 45569 08092 36549 01347 58000 27950 67504 07166  
18684 04212 24447 98997 36155 45501 22107 89955 47185 50888  
18838 11920 57534 20460 36981 27572 63138 30812 75560 76241  
96516 77755 32800 38873 46576 00026 31156

**13954/12154/11454 kHz, 20-07, 1500/1520/1540 UTC**

08030 00001 00000 21253

**13394/12194/10794 kHz, 21-07/23-07, 2100/2120/2140 UTC**

08159 00102 32926 29243 40408 58338 71212 17348 79726 45847  
99035 10454 77444 04828 21060 98928 46035 16139 37272 63423  
48699 52910 70449 47091 13634 76190 50285 10134 30009 43303  
31247 04292 97236 27981 80810 15955 91504 19054 34775 04585  
00090 72207 14488 20220 51939 41255 47477 48224 05462 71313  
68318 85392 63534 89249 34266 44829 03939 88476 95443 36899  
65081 01655 83974 72352 52140 42452 14531 07602 10340 12813  
63778 80852 02165 39068 07865 26920 76245 06347 99624 47496  
52454 49391 37417 70218 17444 20219 16790 89598 56115 71932  
89267 97679 99836 86214 19426 30710 28578 14314 22154 26684  
34630 32980 58809 13166 66477

**11167/12167/13567 kHz, 22-07/25-07/29-07/31-07, 0700/0720/0740 UTC**

06163 00100 63542 36611 09313 94179 84914 63689 02468 14164  
95406 12205 19095 10882 11498 61012 03243 20822 28378 37987  
21248 12412 56476 69143 09930 92558 60546 47212 55454 98129  
75795 67638 43768 36731 08630 10707 52213 00395 03967 58587  
47486 93334 40891 20365 25476 62867 56067 69958 14671 67155  
37506 53854 34489 72013 17749 61145 27453 92258 44685 93151  
64342 89947 85622 07316 81118 22266 77795 16266 57497 05701  
81312 63011 87055 81802 18707 90388 86331 56860 93519 59422  
26347 06945 35330 66363 54198 11181 79212 09222 77754 22693  
75530 60372 08969 81172 21983 20530 48947 46341 93773 24256  
56059 34727 55173

**16296/14981/13953 kHz, 22-07/24-07, 0910/0930/0950 UTC**

06821 00061 81041 97162 39943 92733 43843 93696 60757 12619  
82569 31527 70973 67074 36200 78030 19588 74767 24937 04247  
58807 05718 39245 94360 83835 43295 82374 52034 29314 84602  
15940 00510 75100 17838 74721 83628 08842 45626 05097 75177  
60018 71504 83802 88875 39177 96909 92733 20046 70975 55399  
63430 30894 71985 75473 46051 03447 67450 99392 56875 32365  
07974 14307 32122 72134

**13954/12154/11454 kHz, 22-07/27-07, 1500/1520/1540 UTC.**

**Errors in all 6 transmissions. Very poor.**

08595 00207 71505 83012 08363 00716 83238 12196 54465 83253  
45129 27884 22456 28960 79634 77469 60947 18241 35505 96083  
74214 08160 83533 34340 75806 79603 54489 97512 74131 81315  
64722 17906 92401 61777 89185 34553 39621 07198 47590 88797  
84311 56852 33732 05987 25146 91960 87624 52890 47435 83305  
78114 73396 67129 89143 73663 44480 05996 X75XX 3X814 68805  
48811 89235 49703 60976 71304 18999 15220 79899 80254 26158  
83270 00095 99518 74640 75905 83828 80719 80312 31043 67864  
19512 56372 01845 01595 62775 94116 26729 22910 47172 67588  
02858 66707 22183 91117 89875 73574 25157 40082 93957 82844  
85317 44281 77568 47054 94646 05063 62633 52494 67509 80434  
41266 97452 49595 09412 69229 67589 26968 46390 13129 76023  
41924 41965 19107 46279 91999 42283 40271 85078 71654 72196  
21692 57669 27012 31503 47968 75269 22112 90500 60118 92914  
36046 63530 97747 05813 86253 66027 90453 40293 22570 30837  
92586 07415 70381 20013 15343 41660 54697 02604 04688 65679  
50607 30970 43950 46932 56091 61054 72705 98820 87876 71798  
40915 42172 15690 13751 12916 16954 93995 51338 06493 28330  
50285 07938 24951 67997 98078 66730 90168 79124 87877 66944  
78571 16224 72544 78878 98265 73317 x9014 20752 50458 50736  
65685 3x249 14298 35107 01722 60665 73472 97090 33783 04146

**13538/14438/14938 kHz, 23-07/25-07, 1600/1620/1640 UTC**

06190 00249 52803 01175 13496 11723 33104 30096 57626 60750  
09028 01015 78783 20860 42041 25411 48652 22573 49266 27777  
68357 86728 80972 11808 40873 26593 13618 70813 85881 70534  
40857 92776 37314 02759 98495 53518 17079 67171 14057 42227  
87819 59707 28627 60344 72870 90601 85746 61874 73341 00656  
96175 47742 54496 19330 14953 51754 47563 13961 38490 06452  
61631 50525 99034 12766 31691 20038 48722 49457 71574 59069  
97408 27876 53930 29168 75238 19146 87542 77527 95088 87086  
98766 32928 01538 34116 08567 16318 69794 88437 65238 34580  
20745 57000 61388 82199 19311 33098 11510 00674 63145 70645  
67717 76915 78446 06417 48235 28994 55606 70705 01608 84003  
37053 63047 60324 19600 90265 26764 75606 57886 82934 40148  
72674 66841 77293 22276 51914 57444 75879 93104 22683 63196  
50836 52070 73768 06410 94935 79926 79179 17929 59891 38805  
28458 15059 58597 05252 58002 58106 31261 00430 64405 56271  
70528 05716 58112 48960 18115 60389 43075 20605 12709 72648  
43560 73073 08340 43750 02522 75667 82548 24248 15916 81932  
62258 13163 30909 26192 17834 50378 08072 02696 28640 35694  
40267 92071 13030 34913 33877 23938 21483 08058 73259 36479  
85711 44928 31711 79026 00285 85504 53829 32697 46677 81034  
01025 66965 75543 76422 08423 14293 05344 66320 01037 78648  
53951 64182 38644 07007 97677 01263 90255 09180 43685 15705  
41418 34009 48578 63003 31456 59194 16982 60981 45217 00522  
89425 74960 75195 02380 62861 13610 59838 66711 55061 03938  
13833 37006 53866 15122 74496 31993 97987 58197 08890 06103  
26136 26642

**13445/12145/11545 kHz, 25-07, 0910/0930/0950 UTC**

01365 00001 00000 35257

**15967/13884/12217 kHz, 26-07/27-07, 2100/2120/2140 UTC**

00130 00108 24223 31976 74532 75318 11074 06965 57373 16766  
63270 72900 10174 88847 17352 63434 51805 62348 61989 32575  
39230 84497 94219 81874 13416 80175 19786 14986 16783 07363  
49437 78078 12390 62824 00863 58608 75728 49330 71131 22555  
76973 86834 50640 02629 54550 80513 35441 20566 91907 16542  
79310 38115 97117 28942 76368 06356 93666 72614 12386 00832  
91375 70620 30887 44462 77592 71178 54480 78563 33020 29819  
73955 10795 13898 35380 67343 75634 73195 42710 91492 85737  
69333 20094 54662 29035 91284 92310 14527 01225 67750 56326  
46287 54725 25357 90046 39877 16939 63934 12107 57726 96866  
42306 05462 63798 69609 50878 61732 57125 80422 78427 66432  
63304

**13445/12145/11545 kHz, 27-07, 0910/0930/0950 UTC**

04045 00001 00000 33660

**13394/12194/10794 kHz, 28-07/30-07, 2100/2120/2140 UTC**

00393 00198 82437 69784 09645 05710 19714 57511 03016 92933  
60784 71020 05516 62491 06193 28957 50743 82455 24472 35045  
52974 96555 23314 37532 70939 20525 85752 02632 33420 23704  
93263 91007 57410 00139 38848 82789 83533 23103 11112 29011  
74162 58851 71282 65690 48215 07265 36772 39022 74418 38901  
55091 66120 77793 55676 97003 92902 24051 55411 80228 94414  
26119 26135 65032 52570 25762 02737 01648 88858 56063 84881  
53693 23066 09794 81895 22722 61394 47973 85633 27141 46243  
47194 01364 85751 66444 27272 25483 11040 36044 64705 32123  
77012 58896 36088 43640 88342 28901 62186 68825 71045 45084  
12759 85621 93885 83585 50332 50268 98847 64321 54839 26415  
35085 58129 42403 15522 92425 49708 56547 18768 95503 07913

14246 75123 38157 24936 69582 31656 29896 96364 14094 47031  
 96260 68493 91980 87622 36932 26850 40989 83132 76203 65611  
 81869 70998 58788 62867 33621 91944 49468 16714 40145 05415  
 89059 33284 08604 31973 59651 17684 61179 73458 63718 82733  
 45917 61085 92377 96896 94704 41790 69921 82387 56491 77411  
 78356 77552 87637 89773 81931 19093 10733 34721 33649 10294  
 95829 42113 97820 13038 34601 00214 58687 00723 52761 93184  
 25498 99195 41708 59309 50985 20300 32460 34072 69766 23916  
 61253

**16296/14981/13953 kHz, 29-07, 0910/0930/0950 UTC**  
 01383 00001 00000 34261

**13954/12154/11454 kHz, 29-07, 1500/1520/1540 UTC**  
 08744 00001 00000 36664

**13538/14438/14938 kHz, 30-07, 1600/1620/1640 UTC**  
 07975 00001 00000 40266

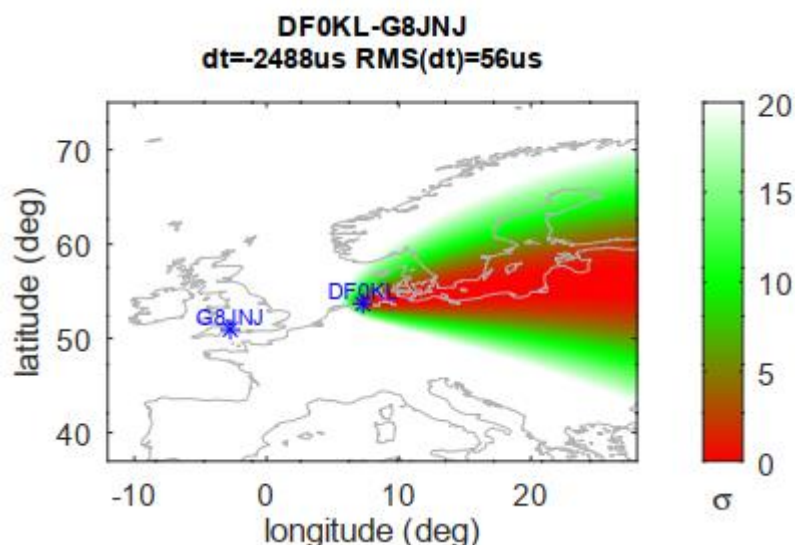
**16296/14981/13953 kHz, 31-07, 0910/0930/0950 UTC**  
 01618 00001 00000 40252

## XPB1

14644,13444, 12144, 11044, 10344, 9244 kHz, 07-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 09-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 14-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 16-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 21-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 23-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 28-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 14644,13444, 12144, 11044, 10344, 9244 kHz, 30-07, 1900, 1910, 1920, 1930, 1940, 1950 UTC

## Q26 - Chinese military

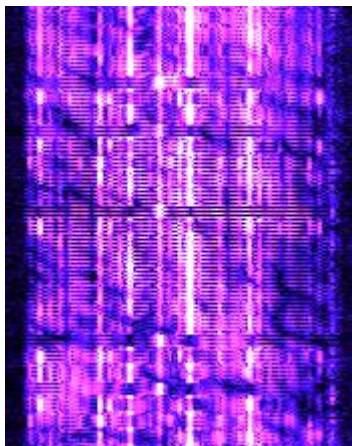
**17535 kHz, 22-07, 0924 UTC**  
 Chinese Navy vessel in the Baltic Sea (at 56..75°N 19.55°E). Logged by Danix



Q26 logged by JPL:

5280 2-7 1100 Chinese military sending messages. Repeated in CW (M95) and voice (V26)  
4243 8-7 1141 Messages //9054  
9054 8-7 1141 Messages //4243  
4364 21-7 1139 Messages //8073  
8073 21-7 1139 Messages //4364  
4243 21-7 1147 Messages //9054  
9054 21-7 1147 Messages //4243  
4364 22-7 1133 Messages //8073  
8073 22-7 1133 Messages //4364  
4243 22-7 1146 Messages  
9054 26-7 2342 Messages  
9054 28-7 2340 Messages

## ***XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)***



Frequencies: 4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8588, 8703.5 kHz

Logged on: 04-07, 0617 UTC  
11-07, 0554 UTC  
24-07, 0723 UTC  
31-07, 0628 UTC

## ***DIPLOMATIC STATIONS***

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

12775 kHz, 03-07, 0731 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
12203 kHz, 03-07, 0733 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
12206 kHz, 03-07, 0733 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
13333 kHz, 03-07, 0734 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
14416 kHz, 03-07, 0735 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
12102 kHz, 10-07, 1230 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
13373 kHz, 12-07, 1203 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
12203 kHz, 12-07, 1306 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.
14525 kHz, 25-07, 1230 UTC, DPRK-ARQ 600 LSB	North Korean diplo i.p.

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

8089.7 kHz, 11-07, 1654 UTC, SITOR-A 100/170	Egyptian diplo i.p.
8088 kHz, 11-07, 1658 UTC, Codan chirp	99904: MFA Cairo clg 99903: MFA Cairo over and over. Probably a test
16065.7 kHz, 17-07, 0805 UTC, SITOR-A 100/170	Egyptian diplo i.p.

## UTILITY ROUND-UP

### North Korean Military

3684 kHz, 29-07, 1825 UTC. North Korean military

VVV 8IW 8IW 8IW DE V97 V97 QSA ? K

### Jammers

6135 kHz, 17-07, 0045 UTC North Korean jammer

3985 kHz, 18-07, 1820 UTC North Korean jammer on Echo of Hope broadcast

3480 kHz, 18-07, 1822 UTC North Korean jammer on Voice of the People

### Unid stations

9610.4 kHz, 08-07, 0925 UTC, CW

VVV AR followed by English male voice count test in USB. No ID

### 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
01-07	2046	New Deal	30 chr EAM TLUZ36 EEGOSOYEHIRCFNIN3VKLFJS2
01-07	2054	New Deal	52 chr EAM B5JSZU TDE3F34JHSJL2KPUGN6PURC7Y7K6V7ESQG3Y7KF53ASY2L
01-07	2102	New Deal	30 chr EAM B52WBW 3JZRIVCCYYTCLDQSTX6TGVNR
02-07	0007	Sea Otter	30 chr EAM TLUA4R XUVVKVD37ZQA4NWWW6JMHZB6
02-07	0203	Sea Otter	30 chr EAM TLTPV5 F7GEWQ4H3QUPWFYA5V6MVFTB
03-07	0019	Kind Lady	30 chr EAM TLLR5L FE62GE2DBK43GRSAVUFAGH2B
03-07	0045	Kind Lady	41 chr EAM B56HZ3 NZSLNOVLR3GW4JKOYOVATHLUZLXN5VLRCP
03-07	0056	Kind Lady	30 chr EAM B5V5IA XKJKSESUYDTEJK644EFHZAQU
03-07	0100	Kind Lady	30 chr EAM TLSYDT FS7PFFAZYLT4GXYXID24Y3TK
03-07	0108	Kind Lady	30 chr EAM TLIC26 GJZE2WRKGI5QOSMEGBIQO2PK
03-07	1946	Kind Lady	30 chr EAM TLIDK3 VE7GZYE3BDWSPIXNCNUGQ5Z
03-07	1950	Kind Lady	30 chr EAM TLWG47 AWL3NKLVAUUIRKHXVAFKHZ
03-07	2004	Kind Lady	30 chr EAM TLNZZH KCIAUDAVQLBN66AMOMUVIDRX
03-07	2201	Kind Lady	30 chr EAM TLKQJL B6DGS3E4L3SQFDJ4GLWBPERL
04-07	0407	Lead Patch	30 chr EAM TL5GT2 TI6UVRSJCHLEBQFJSGU3SLQN
05-07	1609	Pack Mule	30 chr EAM TLRA7G XYYWPIO6W7FNIACPWFLRI7TJ
06-07	1346	Acquaint	30 chr EAM TLLLBH BOSUTNJAFJZFBVC6Q5JPNZU
06-07	1353	Acquaint	30 chr EAM TL5LON YQINCNJ4UBPPJ163PGYGIXZ7
06-07	1950	Acquaint	30 chr EAM TLUB3K BM62LH2V7M2TSKHKQXY3ETPX
06-07	2011	Acquaint	30 chr EAM TLUROH IRZSSBEKPJAIN37BP2UQS3LD
06-07	2030	Acquaint	30 chr EAM TLPE6L PHPSJNCIDHI3QMMX2KCAN7BI
07-07	0732	Protozoa	30 chr EAM TLOYIB FY2YL3CT6ANCHEDN5TW43DHC
07-07	2200	Protozoa	30 chr EAM TL2IHO PF3C6L54DBNSIH3YQT7NXLBP
07-07	2223	Protozoa	30 chr EAM TLXX6R FTGLSRWOAPAGPOINYASIAJPV
07-07	2230	Protozoa	30 chr EAM TL4F23 6W34GBCWAS3LXPDWKEITCBNL
10-07	1003	Mail Call	25 chr EAM B545FH ZPG422LQ2JB7G5CAKTM
10-07	1803	Mail Call	25 chr EAM B5M372 JTKBIUH6ZNYLA7Q55JZ
11-07	0020	Loyal Son	30 chr EAM TLVQ43 RAVAOHW6AEDG2GLSZRDSEKN6
11-07	0032	Loyal Son	30 chr EAM TLOFX6 CI2UKGHRUQJL4PVRBR3RV6JY
11-07	1252	Loyal Son	30 chr EAM B5BHE7 Y2WNRVALUZNM723HWZWNVFXH
11-07	1305	Loyal Son	30 chr EAM B5E3C5 EQ3LALBRGZYTEPU7DMNOA5EE
11-07	1411	Loyal Son	30 chr EAM TLBAYT AB2LG7JUNEOG7CTKDIST7WXE

11-07	2117	Loyal Son	100 chr EAM N6JPSP SJFDHWDGDOB-CWV6TUXZR2ZZOOXXXZJKHTKRIIIIR2SDOQBF7CJGYLMDSJ4NVZ44WYF7AXN2TTTF6666WZECOQSVR4ULKRF
11-07	2132	Loyal Son	30 chr EAM TLHHHE OJMO7IOWP375AQVE47Y37HB2
11-07	2233	Loyal Son	30 chr EAM TL55HV 6GPSLYPTPHDNH22O65HKAR6J
12-07	0023	Mackinaw	30 chr EAM B5AH7N L5O2UK56AHUZAXFM5Y6Y5HSY
12-07	0049	Mackinaw	36 chr EAM B5SUCL Y4NEROQNKX5GW7DW6YPOD6P7JQRSXV
12-07	1535	Mackinaw	30 chr EAM for Civil B56EBD Y6LSJSXU7HKKEHR7DPQV6JG
12-07	1623	Mackinaw	30 chr EAM for Civil B5GDV4 NWDI6XO3Q2LTFSZYWJZDXTG5
12-07	1643	Mackinaw	30 chr EAM for Civil B5KLIT NARFSRHD7GHLAJHGPKY67J6K
12-07	2147	Mackinaw	30 chr EAM TLJJWA RGP6GY2W2NY3YZZIPRNDQZ4
12-07	2312	Mackinaw	30 chr EAM TLFSCX OZ2Z6FYRJD3XP6NNJMAUZCTG
13-07	0107	Firebrick	30 chr EAM QENPTW V77IPB6GUFYCUCUVXKYNVL6NZ
13-07	0110	Firebrick	30 chr EAM QELWSQ IMJS4MMUG7CYYFKSHPHLOZ52
13-07	0143	Firebrick	30 chr EAM TLLQIB MYJB6BHXDPNFSBUJMDYTHD3R
13-07	0519	Firebrick	30 chr EAM TL4KX2 TFNP7KNCBABCYFNHZ2IO4FTH
13-07	0528	Firebrick	30 chr EAM TL2RKT AVNTQLINVOHHIFTHRLDW43J
13-07	0543	Firebrick	30 chr EAM TLRVIT Z2QQ5GXPDOLQ6FMYWZADKIP
13-07	0549	Firebrick	30 chr EAM TLMXVO WVR7T2ILASHGOHVI4AMOESEX
13-07	0554	Firebrick	30 chr EAM TLY4MI TLHRVQSTI73TT6LQ7MWKCEI2
13-07	0559	Firebrick	30 chr EAM TLJPK2 UE2YOZCFERCDF5MLKERUFVKD
13-07	1452	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1512	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1547	Firebrick	30 chr EAM TLSWHI S6MAXFZJNVNVDRJNCKOWHJLT
13-07	1605	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1607	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1609	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1629	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1631	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1634	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1639	Firebrick	50 chr EAM N6CMTQ S44XHZV3TUWGVFQQECCCUOZOMKVVVFFG4EFSTQXXL
13-07	1642	Firebrick	30 chr EAM TLN44G 22DFPCIFNJKGGNOP55WZHFJI
13-07	1648	Firebrick	54 chr EAM N6XLYE 3Y4CLYTFX73V7HXEQXDUNCC7CFXCSDVO5Q77RFBLM5EFRWQ
13-07	1700	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1702	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1704	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1707	Firebrick	26 chr EAM W5LAJO 7RBKY3OALC2GP54HFZUS
13-07	1730	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1733	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1735	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1835	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1837	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1839	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1900	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1902	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1904	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	1930	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	1932	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	1934	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2000	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2002	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2004	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2033	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2032	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2034	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2100	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2102	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2104	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2130	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2132	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2135	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR



13-07	2201	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2203	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2205	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2231	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2233	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2236	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2300	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2302	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2302	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
13-07	2329	Firebrick	30 chr EAM TLOOWK WYKOUVMEDZVIDXLZDOVZXMDL
13-07	2332	Firebrick	30 chr EAM TL7JRD DFWUAWHV7WAC6QPC5XJYJAWD
13-07	2334	Firebrick	30 chr EAM TLMRZ7 7GZYY6Q2HPJTA7NQEAWUK6BR
14-07	1733	Rollback	30 chr EAM TLXZ5P FM72Y6BPL5WGOBRX2VEYNMFB
14-07	2022	Rollback	30 chr EAM TLWEPG YFCIHPDRNDEZQXECWRFB3KDQ
15-07	0032	Outboard	30 chr EAM TLSGDO GKIRSYRH7IJ3RJ4LK7XTGMBW
15-07	0206	Outboard	30 chr EAM TLYGFZ KONDOVK2QKK3TYX4QOIB7GJ
15-07	0937	Reply-59	Skybird, Skybird, this is Reply-59, Harvard. At 0937 Zulu. I am 20 miles offshore in international airspace
15-07	0945	Reply-59	Skybird, Skybird, this is Reply-59, Brother. At 0945 Zulu. I am 12 miles offshore in international Airspace
15-07	1554	Outboard	30 chr EAM TLU75Z NYAKQJJK3VZWEUND6YRD7O3
15-07	1557	Outboard	30 chr EAM TLU75Z NYAKQJJK3VZWEUND6YRD7O3
15-07	1634	Outboard	37 chr EAM QE6NUF DNDUO32W374ZCQENSPEDJ5ADPMHHMXQ
15-07	1833	Outboard	30 chr EAM TL7SV3 OX7PO5VK7ZMZSGDAJL4EIUJA
15-07	2003	Outboard	30 chr EAM TLR5GY GVLCT7SYHHNJMU2ZURRYFZV5
15-07	2120	Outboard	30 chr EAM TLFJRG IKYPN7C4UIVZVXOCM62VSEIN
15-07	2133	Outboard	30 chr EAM TL65XQ ZYH3UQN4KK3BOKAFL4JPEQFA
15-07	2157	Outboard	30 chr EAM TLUWRR 4YGAENVXTDXRNMXCIH27BXKU
15-07	2201	Outboard	30 chr EAM TL2AQB 236SNIEKCC44ZZLDVGBOCGPK
16-07	0032	Awareness	36 chr EAM QE4GEA TUAT277JXDJKFEAIXO6XNQO63A4PMW
16-07	0040	Awareness	40 chr EAM QEFIRP BQI42JPC6EQFNT6EK7WZ73NVR4KNOO4YHF
16-07	0104	Awareness	30 chr EAM QEVLD2 WINRXWZBNIVBC23RT7V7LBE6
16-07	0117	Awareness	30 chr EAM TLW5RK SACSABQJQ5IE6BJ3BMCRLONU
16-07	0122	Awareness	30 chr EAM TLOUZZ 2DDQUTSKPR2JP3TR436JCUTR
16-07	0137	Awareness	30 chr EAM TL2ZCL O2ZHVY77PNOHC7QQJ7MTGS3Z
16-07	0148	Awareness	30 chr EAM TL4H6J V42GTHUT6736HBOXNK7IJQ34
16-07	0154	Awareness	30 chr EAM TLPYWA 3QMMCBID4VLJ4QZS5FQAI56N
16-07	0159	Awareness	30 chr EAM TLYKKO VVFTUYHC37N422E4MEXGEB27
17-07	0028	Sellout	30 chr EAM QENXDP 3CRCFLVMDYSBDO6XIITKVSME
17-07	0036	Sellout	30 chr EAM QEXAQF MHMOBQNK5YM77X7BKAX5UVJZ
17-07	0048	Sellout	30 chr EAM TL5ETB X73EIEDMNZBDIFKT6CH2NFRJ
17-07	0053	Sellout	30 chr EAM TLR3FA 272OHEVFMTYHJCTNY6QM3G6V
17-07	0113	Sellout	30 chr EAM TLIVZX CASFA644CJLERHEMBMJ7P6DZ
17-07	0117	Sellout	30 chr EAM TLZAKZ PU4MLAT7SCDITNTRLHETHGJR
17-07	0129	Sellout	30 chr EAM TLF27O LT2HFUVEMMHOLHH3YVKAZQY
17-07	0132	Sellout	30 chr EAM TLP7N2 K2LIHHMF5S3M6B234WMGHLJ
17-07	0212	Sellout	30 chr EAM TLARHW PSURT4SIKNNKWN34ZLJ6XP3U
17-07	0403	Sellout	30 chr EAM TLEUYF 4FSEHU5USQ5HAQTA33JVEA3P
17-07	0418	Sellout	30 chr EAM TLN6JW nothing else heard
17-07	0422	Sellout	30 chr EAM TLWYKV JVEY2ZUAPYG6VAYMZYZW2K56R
17-07	0429	Sellout	30 chr EAM TLWYKV silence YG6 nothing else heard
17-07	1447	Sellout	30 chr EAM for Donut-97 QENYFR IVO7ZB2RDOE2UQDO2VBZSKWU
17-07	1458	Sellout	30 chr EAM TL7YO7 SCAZU2W6ZVGIF3ZN6FRWEFP5
17-07	1517	Sellout	30 chr EAM TLW4RG UBVVWVXQQWBQ4PURBKVY6OXR
17-07	1521	Sellout	30 chr EAM TLK3IQ Y6KBENRJOVIMEP73DL7EFPVH
17-07	1537	Sellout	30 chr EAM TLS6J7 2VRJCDQ4HPDENZBJ63RNQA5Y
17-07	1546	Sellout	30 chr EAM TLG2NG TNLTNVS65SGAJL76UYAMQF4I
17-07	1725	Sellout	36 chr EAM QEWAKT NQC5YSWHCNUKOST4LEZN7IZNQSUHG
17-07	1948	Sellout	30 chr EAM TLDNZD NGOAFPPRUKVASL3QIA72OACQ
17-07	2015	Sellout	30 chr EAM TLZ2UU YYALW7NXGQCJHXTJ6J6RK2G
17-07	2027	Sellout	30 chr EAM TLGOVW F4PLXGRTZUOADLTOER4KUYRN



17-07	2030	Sellout	30 chr EAM TLCXOB QNARFZ74KCSYDMRJNFQCFTLY
17-07	2216	Sellout	30 chr EAM TLG4NQ AD7PFNRYSR2HRFEXVE6IAJHQ
18-07	0036	Showboat	30 chr EAM TLR7UN TWEST2LEVFWVL5WV6QCWG6E
18-07	1010	Showboat	30 chr EAM for Boderlake QE5AQB MX6K7UQJBBHQSTQLOOY6J7XY
18-07	1020	Showboat	30 chr EAM for Boderlake QES5TH E73JUQM7IYHXWN3ASOJ7I5XQ
18-07	1034	Showboat	30 chr EAM for Boderlake QEJJA 2J22WWFUF7NJCX5EGSV2P4BE
18-07	1147	Showboat	30 chr EAM for Boderlake QEXLHP EZ3L4DKGQO2GD37PAZFFSEKF
18-07	1201	Showboat	30 chr EAM for Boderlake QE6JYK 5765EJ4BVFZFY3T6KPUDCUCI
18-07	1217	Showboat	30 chr EAM for Boderlake QEJCLZ 3O65QPAFKUSXTPTMYZCFBLGB
18-07	1247	Showboat	30 chr EAM for Indulgent QETYGT 5QNPPADYWU5UAA7UMVIH2MKT
18-07	1321	Showboat	30 chr EAM for Indulgent QEDK7K BZNMY3LWGYTUUDOLDSYBE3XO
18-07	1327	Showboat	30 chr EAM for Indulgent QE747X N6OKPFWO27ZRYGMRO2DNTQHR
18-07	1508	Showboat	54 chr EAM QE56Y4 QSYR5L2KJV364FBMSNGR4LAWL5IY6O2GW24LJ4LDIWZO2FUA
18-07	1522	Showboat	30 chr EAM QEWXYG PTWJ3EEZUVEYRYUOGDFUAE22
18-07	1542	Showboat	30 chr EAM TLGWRA HHGLO7AYWADWZILVFTQIFUWS
18-07	1554	Showboat	43 chr EAM QE2J4B KBP4TDDNW7DV2PDDGXEW7DVYBBKOVLSAAWC2U
18-07	1711	Showboat	30 chr EAM TLXGRP WIP6E5HVQA7W77OQVSS7MAYR
18-07	1713	Showboat	30 chr EAM TLSQ62 XYAXSVUMC3RSVUPKH7OS735Y
18-07	1828	Showboat	30 chr EAM TL64AF OUG2BAABA62AAGLT6DQC6IVU
18-07	1847	Showboat	30 chr EAM TLWFF4 JWZO2CHJLP2M64PXOAF7HYXL
18-07	1918	Showboat	30 chr EAM TLWD23 52HRKAGNT2646AG32WKTC7FA
18-07	1943	Showboat	30 chr EAM TLMEC7 NZ7HXVCXXZHAB7GIY4OTLNPA
18-07	1946	Showboat	30 chr EAM TLB53B YTFIR2D3NNNN3HOIBSVO2GUA
18-07	1948	Showboat	30 chr EAM TLF3E5 6WVGNZJWFGYILYAFD2O7XZ2T
18-07	1954	Showboat	30 chr EAM for Sunup-74 QEH7JY GPHCDQX424AFSFTJBT6SKKJ
18-07	2026	Showboat	30 chr EAM TLKZRO IYYXHIDUAICGBI3EK3T4H2VX
18-07	2342	Showboat	36 chr EAM QESCGG 4YF73DRZG44TFDQIRHOFZSVX4YISJY
19-07	0000	Cornmeal	30 chr EAM QEYSK6 D56NIUF6IRR6VKB3UF7JJZ2Y
19-07	0017	Cornmeal	30 chr EAM TLR6LS JBF6NJ3QMHOTWLDYOKTAI62R
19-07	0851	Blurb-59	Skybird, Skybird, this is Blurb-59, break. Harvard. Zulu time 0851. I am 30 nautical miles offshore in international airspace
19-07	0901	Blurb-59	Skybird, Skybird, this is Blurb-59, break. Brother. Zulu time 0901. I am 29 nautical miles offshore in international airspace
19-07	1931	Cornmeal	30 chr EAM 662VKV LNQVTWEUSPAGKCDSRNGJKOLD
19-07	1952	Cornmeal	30 chr EAM 667VZL 7NVJWXP6KRCSL7V4LUXCT3VF
19-07	2033	Cornmeal	30 chr EAM 66B2HF 3BDSBN7RZ2X4BPEVQJXJ7LSE
20-07	2214	Cornmeal	88 chr EAM N6YBS3 LVTPJDVT472ETDSHWSRETRMDDE6KPTVAZTTT5HGAVUVVUHYNNNNCQFGUUN3L6LKLLB U3JJJPXSIFGE7P
20-07	0027	Andy Gump	36 chr EAM QEPNOX QML7ZNFLZWL75QF5PXKFAQ3JHRZ6RZ (note: id should be Andy Gump)
20-07	0107	Andy Gump	43 chr EAM QELO6S H4K5QSDSVJNOKJ2HHEGVJALAD362YHMPTQZQW
20-07	0111	Andy Gump	40 chr EAM QEJOXT LDCJCKIW3TB6C6W37GESYQG5KLOJ2B2TG3
20-07	0133	Andy Gump	43 chr EAM 66P4LT A64N5P26WWAGSJMZ67H4GXUL
20-07	0138	Andy Gump	30 chr EAM 662FKD NGQD5ASOKEXDW3F3DRFQVPLW
20-07	0143	Andy Gump	30 chr EAM QEYEDG QHL5TD3CNVF6GCLSC5KD3RNN
20-07	0148	Andy Gump	30 chr EAM 66WHNO CQTZAQKIKCYMADFVO34VECO
20-07	0157	Andy Gump	30 chr EAM 662O6Q VBUVVFVDWR7CUARCMDRTLXTW
20-07	0416	Andy Gump	30 chr EAM 663F3S WYHTJCESSGCFBYMZKPHD2I5
20-07	2240	Andy Gump	30 chr EAM 66DXKV NP6JQQAOWCLD7DUDDZUP2HRB
21-07	1553	Ashcake	30 chr EAM 664VDS OIGC2K3L2NEN5NYRLSEPVITR
21-07	2030	Ashcake	30 chr EAM 66YDSK QUUYBUBHE2DSJ3YABOXOMN6P
21-07	2159	Ashcake	30 chr EAM 66ZS4W OFW4CGF6X4CV72F6L2LTO3AI
21-07	2205	Ashcake	30 chr EAM 66RAA6 GPPKNNIKG2ARXSXJ2OXOMDAR
21-07	2217	Ashcake	30 chr EAM 664ST3 4YITT76R34B4N2KVSCWIS5KV
21-07	2226	Ashcake	30 chr EAM 66ITW3 DH2JOQJNOG3LJCKPSVFJDAXC
21-07	2231	Ashcake	30 chr EAM 664ST3 4YITT7MR34B4N2KVSCWIS5KV
21-07	2233	Ashcake	30 chr EAM 66RAA6 GPPKNNIKG2ARXSXJ2OXOMDAR
21-07	2331	Ashcake	30 chr EAM 6637C2 QVNHE6KAU4YHT6YVS5NVUP64
22-07	0136	Doorbell	Skyking message: Raiders time 36 auth TO
22-07	0206	Doorbell	30 chr EAM 662XCF WBRNGZQZH3IQDLWEAQVTSPCD

22-07	1411	Doorbell	30 chr EAM QE6IE2 OABO6NCSTNLE4DEO6YASE52Z
22-07	1456	Doorbell	30 chr EAM 66Z7XI ZT5OSG733BY2BFQGUFFKY34I
22-07	1501	Doorbell	30 chr EAM 66BQIX TH76UZ7QC4YKTN54JJDKA4SV
22-07	1508	Doorbell	30 chr EAM 66GTPW WLAIE2QIOUPEUZVNYZ2OWNHP
22-07	1517	Doorbell	30 chr EAM 66PWBM IXPZ6JN4ICOD5F5BNZ4GPLW
22-07	1603	Doorbell	30 chr EAM 66M3BL LIBAFOYP26FDD3XO344YZSVM
22-07	1637	Doorbell	30 chr EAM 66SSJR LWHP2WOGN2623W7LB6Y24GU3
22-07	1742	Doorbell	30 chr EAM 66JHI6 SF7NAGVKIDHXI4XWCM7CUAEX
22-07	2132	Doorbell	30 chr EAM 66ANVY UFNMNQB3AKEKSJAYHCTJMEAZ
23-07	0031	Green Sky	30 chr EAM 662KPG UKZ4GRWGRG6YBN5SF7TAGY3B
23-07	0834	Praise-59	Skybird, Skybird, this is Praise-59. Harvard. Zulu Time 0834. I am 38 nautical miles offshore in international airspace
23-07	0836	Praise-59	Skybird, Skybird, this is Praise-59. Brother. Zulu time 0836. I am 20 miles offshore in international airspace
23-07	1034	Green Sky	30 chr EAM for Abbeth QEU6SH PU7AEA JMYDW62QCK45M6BYR3
23-07	1040	Green Sky	30 chr EAM for Abbeth QEL57V WQRBANQGDLMPCNVHYSTOT6AR
23-07	1242	Green Sky	204 chr EAM N6MMOZ X6JIKT47VL3O3Z4MOOHTA3X2W3JSB7FBNFNFFFG2L6AVQPGAERBLRR2DEVXHEDIIII7D7EI 3OLGCTERTFIQYJXKS3BLLLLEDWYV4VBPPS6DWHIIBDIL3GWLGF6E6AOTCCCN2Y3JN6VZ7 2JIYNK2SX46SJEV3ESSQPPPPV2L2ZYWBZZXZKVZAZAIIII2RRPWU6CM
23-07	1258	Green Sky	30 chr EAM for Abbeth QEQLPZ W7MGFK5LCTLUQFXD6QD6PE3B
23-07	1301	Green Sky	30 chr EAM for Abbeth QEUJAI PVNU4SFTBQ3XNV5V4BM4N7UN
23-07	1358	Green Sky	204 chr EAM N6GMXI ZCR- ZAD2PO2RDRAWDDY2BXHHUHFVWGQQXGQU6666QA7CJGULMDSJ3NVZ447F4YAXNN2FX N6666WZ7NDA6J6YFGAAT3RRNNNNTER4ULMQB3CGHXIFFDU3AFYXAY6DXOXQVD7777JLP TRMKDE6KPEVAZT6SAH6AMVPMHHLNNNNKQXGUL3WUU6YLCYJYJJJJXKSI4PW7P
23-07	1709	Green Sky	30 chr EAM for Poster QES2HO CBJNGTHRDN7MH3G26E2IY7N7
23-07	1713	Green Sky	30 chr EAM for Abbeth QEWO47 GBNM4Q46X2FHHAYSW5CYNLPI
23-07	1730	Green Sky	30 chr EAM for Abbeth QEBSWB ELIESG4NRJXKXKDN7MKFAU6B
23-07	1748	Green Sky	36 chr EAM QE5V5G JT2LR74BN53CYVDPG4WKIQYH546GR
23-07	1800	Green Sky	30 chr EAM for Poster QEGE3S KVE52RY3EHWKLN6QAPCQGSZM
23-07	1843	Green Sky	30 chr EAM for Poster QEDD7H 7TAIVSJ24IJU7LMPD6S24UK4
24-07	1239	Pot Luck	52 chr EAM QEHWYA 6MFW7DOOTEQHYRXW5SFXW53QKDS76CMY34XKDP7KJR5F6D
24-07	1410	Pot Luck	30 chr EAM 66DXSV AXAFUZFU6Q6W5KHVVXE5L3G
24-07	1413	Pot Luck	52 chr EAM for Futile QE6KEB LZGT2PJKA32JLH5W5SJMP232
24-07	1429	Pot Luck	30 chr EAM 66EMZT XHKRAO6VOW6W3NUJI5PEVMD6
24-07	1433	Pot Luck	30 chr EAM 66EMZT XHKRAO6VOW6W3NUJI5PEVMD6
24-07	1436	Pot Luck	30 chr EAM 66N75W V3DKTL22CKB5KPDDN4Z26YDQ
24-07	1443	Pot Luck	30 chr EAM 66NGNK SEWEF6LQ2TZ67RPPYVXOJA6Y
24-07	1447	Pot Luck	30 chr EAM for Futile QEWIRC 4PMQIOX5WVDNDCYUKAVLR745
24-07	1451	Pot Luck	30 chr EAM for Blob-40 QE34CK DJTYW6KO3YU4EJRRJ6N6FWIU
24-07	1646	Pot Luck	30 chr EAM for Futile QEZIIQ JBUH6O3A674Y3QEVTZ4USNP7
24-07	1702	Pot Luck	21 chr EAM QEDX4W YYY3P6XRK47XRWM
24-07	1704	Pot Luck	30 chr EAM for Poster QERRDY VX36DAYUWWCUIOAP7T6WA7GI
24-07	1722	Pot Luck	30 chr EAM 6623PN DLE3SYBSXPXSAY6RNOAJBDF
24-07	1942	Pot Luck	30 chr EAM for Poster QEWHBW PMAWIP4TKNRUVBYOG2IATVSY
24-07	2016	Pot Luck	30 chr EAM 66NF3U WVYOUYGZYLKV37JL5FOYPLWQ
25-07	0049	Camel Rug	30 chr EAM QESLQN TDT2PLUZIW2ILTGQWOWTUQV6
25-07	0053	Camel Rug	30 chr EAM QE6Y2D CGC4YS2ENB76ER2ZZGP3KJP
25-07	0132	Camel Rug	30 chr EAM 66JVJ LXCH3AOKSXLHYU7BEUF6DUTY
25-07	0428	Camel Rug	30 chr EAM 66GKYB QKGVGFJQWHCHVQ3HM54U3D6P
25-07	0431	Camel Rug	30 chr EAM 66QUD4 YPC7YJBIUV4FKNYO373R2COJ
25-07	1406	Camel Rug	30 chr EAM QE27BB 52274LU76NRL77YNEJIOE7DL
25-07	1450	Camel Rug	30 chr EAM QESXZO S2JHC6PZ7FOPBG4VDNHTMZB4
25-07	1535	Camel Rug	36 chr EAM QE7YTG JIFK665ALQBY2QT7UWV5HIPKB6NAA3
25-07	1656	Camel Rug	52 chr EAM QEVIQC SRG3ANCDGEGN3IQHU7AAAILNAV2US363ATVAV2MZWNXBVY
25-07	1706	Camel Rug	30 chr EAM 665FYJ 4KCFX7H3V5TFBOXAJDJ5BNY
25-07	1946	Camel Rug	30 chr EAM for Lump-46 QEYHVT FTOPB25UNYDO43PNF3TSUKRB
25-07	2016	Camel Rug	30 chr EAM 66EOIT CWQA32I3WRBJXGHMWXIBYUHE
25-07	2127	Camel Rug	30 chr EAM 664EZQ 6G7PUNG27UR75KSQAYZDI5QH
26-07	0034	Interlude	30 chr EAM QEU7TS YE72OAYZRUCVZVQ6HIEE3W6E

26-07	0048	Interlude	30 chr EAM 66ARNR O2CW4Z3P4LMEMP2EM7D5BPU4
26-07	1452	Interlude	52 chr EAM QE52AS XSA446OAJF5CE5APQFTV3FPTBRGGHWAPQOTZDQQUYBH5WB
26-07	1509	Interlude	30 chr EAM QE33L5 YPIHCCZTV2CR3WKFWHMT3NCO
26-07	1609	Interlude	30 chr EAM QEQOZU HUQNR TYBD6BEZCFIBZN75XV6
26-07	1624	Interlude	30 chr EAM 66FDPC NUAD67QWYFTZ264XRHTOK4DC
26-07	1824	Interlude	30 chr EAM for Kappa? QEE6YC NLXJP4A3X4LRDTMYJKKZCYW56
26-07	1834	Interlude	30 chr EAM for Kappa? QEHK2H BAUI76ULY34YUM76BZHI6TTFE
26-07	1852	Interlude	30 chr EAM 66VGU7 6KROROA3PWYS2TFAEYELB5XK
26-07	1855	Interlude	30 chr EAM 66YJ44 WWR36TLPSPFNAGFNMDLFGC25
26-07	1858	Interlude	30 chr EAM 66FPOQ 5BTVLLMATGYYYY27C7THSLIG
26-07	1934	Interlude	30 chr EAM for Kappa? QEMHKI QIC43FMFFE HUXQ3I6UNRFI62S
26-07	2041	Interlude	30 chr EAM 662QXC CVUSU7FOI36Z4JDUF53C2SKL
27-07	0019	Penwiper	30 chr EAM QEJRDS DUV7WAD3DUWLMT32KXBSZL5
27-07	0027	Penwiper	30 chr EAM 66RLPX VMJBSEOVQMKG35CWN42DJRQ
27-07	0047	Penwiper	30 chr EAM 66MBYG 2OWVXPNT7SUBTBCQONLT46IH
27-07	1217	Penwiper	30 chr EAM for Naggle QEFL7T 6Y5F5MNC3YFJRBFHGQT57J3G
27-07	1353	Penwiper	30 chr EAM for Naggle QEWQJ7 Y4VZ6MRPXGUUHYWZO4RQXLIA
27-07	1407	Penwiper	30 chr EAM for Naggle QEQ2HA EIBV4Y6COQ2YIQPNY5CKZ3MI
27-07	1420	Penwiper	30 chr EAM 66AGJJ AXHBE4GFQM3O7IAXIYCERJPX
27-07	1424	Penwiper	30 chr EAM for Naggle QECRHB 23IS7FZPJZ75WPR2B4KSJIG2
27-07	1430	Penwiper	30 chr EAM 66KZTH WUTXKLCGNYZAFBFCGS3WQ6H
27-07	1434	Penwiper	30 chr EAM 66U4WQ EO4FURJFX6S3J6CWLTI7S3FYA
27-07	1437	Penwiper	30 chr EAM 66RKWF M2NZMLWNWSMGYEKAVYOWV3MR
27-07	1655	Penwiper	30 chr EAM for Naggle QE3CXD 2GI26JNM3ORZKAJGE4M5LKGN
27-07	1720	Penwiper	30 chr EAM for Naggle QEPPNT PWWT36CTLGFO5HKDAUET7PO
27-07	1832	Penwiper	30 chr EAM for Naggle QEW3HO BIF5YC52F5IQJUCKWQ27YEKS
27-07	1842	Penwiper	30 chr EAM for Naggle QER44P OO7RHF5C3K4IFAXTWE3VWWWF
27-07	2025	Penwiper	30 chr EAM 66RGQN FW72TYHXH6R3P6ST42WR4IP6
27-07	2036	Penwiper	30 chr EAM for Naggle QE7LIN LC7I7CSU47NI4QJFOJYDTIG2
27-07	2056	Penwiper	30 chr EAM for Naggle QEO6WX EDOYTLR2P75VEMHHF77SXORV
27-07	2114	Penwiper	40 chr EAM QEJ5L6 77GRYIAOVY52AJGXXZFCF3DHO7PR57FXLR
27-07	2122	Penwiper	30 chr EAM QE4JVZ H2NPNFXKWYHEEUFGJYC2UVD
27-07	2232	Penwiper	36 chr EAM QEXR63 GTVGYJ5CWGFVYHVTLDWABHLRQIKXUH
27-07	2300	Penwiper	30 chr EAM 66443Y OUF6Z4WR2T4RPSAYOBAYFUJS
27-07	2308	Penwiper	30 chr EAM 66OCBD DOVOJHIKK4HXA2PNA3OWENC2
28-07	0500	Peep Corn	30 chr EAM 66SQGF PGDWJSSCUGRWOWQXQASDBE6K
28-07	0503	Peep Corn	30 chr EAM 66TFDW EEYJ7TESJKA4IESKXIAQIDT
28-07	0602	Peep Corn	30 chr EAM JY6HDK SKPPCBLWQKSZOW4PPJI6TBRV
28-07	1145	Peep Corn	30 chr EAM for Naggle JYSRSO QGFHNFHD6FB5XTJW5NMM5PXK
28-07	1213	Peep Corn	30 chr EAM for Naggle JYCQI7 DJU3MQVFJGLPMPDWZ6SP2GV7
28-07	1706	Peep Corn	36 chr EAM JY3O3F 6DBQVMTVCLDB75V6HPTKOSCYAGKRSN
28-07	1733	Peep Corn	30 chr EAM 66TGXA KNPQXKEBYDPLI45YKLQGA2TW
28-07	1933	Peep Corn	54 chr EAM QGZAN6 ERKQ6ENFBI6OVZ3YL3WBCY4L3LVVRUO6Z67KKKKPNF7EU6RP
28-07	2056	Peep Corn	30 chr EAM 66QQP2 HKZLGT4GXT4FMMGYDZTHP7UZ
28-07	2203	Peep Corn	30 chr EAM 66O2ED HF2SXVDYYJX3S3PQYUIZWRDT
28-07	2245	Peep Corn	Skyking message: Marlin time 45 auth FU
28-07	2250	Peep Corn	Skyking message: disregard my Marlin transmitted at 45. Time 50 auth HM
28-07	2251	Peep Corn	Skyking message: disregard my Marlin transmitten at 45. Time 51 auth HM
28-07	2253	Peep Corn	Skyking message: Marlin time 53 auth ZT
28-07	2344	Peep Corn	30 chr EAM 66RBMQ E6RYKT4OFTCQSEKYPW5Z3B6V
29-07	0207	Bellbird	30 chr EAM 66T5NU 4BKD4D2S4T2AVE6PRNBNFSGJ
29-07	0453	Bellbird	30 chr EAM 66632D ECKERW6JRD2SHEZKAV7Q4XHF
29-07	1509	Bellbird	30 chr EAM for Myth JYAUUA JWBB2C7KJLNTMAEGBDI7WUWN
29-07	1516	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1525	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1535	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1537	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1559	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1603	Bellbird	30 chr EAM 6662SY APRX7CB2DTG22UYSEYBFS7AV
29-07	1607	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1611	Bellbird	30 chr EAM 66W5G4 NUGF4BOWX5JNMX24UEL73NQ6

29-07	1615	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1618	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1636	Bellbird	30 chr EAM 66UJ3E VE54S4QYLQX2HDEFVTD7LUAO
29-07	1639	Bellbird	30 chr EAM 66W5G4 NUGF4BOWX5JNMX24UEL73NQ6
29-07	1642	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1644	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1700	Bellbird	30 chr EAM 66W5G4 NUGF4BOWX5JNMX24UEL73NQ6
29-07	1703	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1706	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1743	Bellbird	30 chr EAM 66D6N WUNYXX42DPHACGZZJCZ4XPE
29-07	1936	Bellbird	30 chr EAM 66TBQK SOGL3S66K3I3OPSR6MHRPWA
29-07	1656	Bellbird	30 chr EAM 66F7PV DGWSTFDCX4IENOSKSPVCOI4R
29-07	1700	Bellbird	30 chr EAM 66W5G4 NUGF4BOWX5JNMX24UEL73NQ6
29-07	1703	Bellbird	30 chr EAM 66QGR4 ZUAI2275ZK57ASAVNSCEMUD6
29-07	1706	Bellbird	30 chr EAM 66S7QL HPCIVNT6VU6NVTCEJM2A7IQS
29-07	1744	Bellbird	30 chr EAM 66D6N WUNYXX42DPHACGZZJCZ4XPE
29-07	1937	Bellbird	30 chr EAM 66TBQK SOGL3S66K3I3OPSR6MHRPWA
29-07	1956	Bellbird	30 chr EAM 66F7PV DGWSTFDCX4IENOSKSPVCOI4R
29-07	2026	Bellbird	30 chr EAM 66F5RZ 4Y2VJPWSAD7OYEEGUXHRWB7E
30-07	0032	Churchman	30 chr EAM 66DPUH HQ2TYSQIJVRZDWCYEKJASZN7
30-07	0153	Churchman	30 chr EAM JY6MUK 4YTV5CI5TEY33M nothing else
30-07	0206	Churchman	30 chr EAM 665YRK 7AIG6KUUWGH7SB7DSJQOPEK
30-07	0214	Churchman	30 chr EAM 66FEK4 AFBHSYEXCUEOURIMOR6ROQXE
30-07	0254	Churchman	Skyking message: Cars time 54 auth KP
31-07	0100	Reindeer	Skyking message: Outland time 00 auth RA
31-07	0104	Reindeer	30 chr EAM JU7733 VJ4ZS3ENMWSXSGTKZPYVNMMF
31-07	0129	Reindeer	30 chr EAM 66KRSJ 4CQU4JBYFYQYRFAY3YRV6JSMB
31-07	0135	Reindeer	30 chr EAM 66EWJA DAUPBKKGPKWFB37OWVFXBWB2
31-07	0157	Reindeer	30 chr EAM 66E6EC MSCWXXT2FIM5TBX7YGYFRHL
31-07	0217	Reindeer	30 chr EAM 66GNN2 UMK6UNRL4RDMROQGEXDIFN3O
31-07	1803	Reindeer	30 chr EAM 66GBXG Y23W2NR2ZWI3BXJO6OJZUERX

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by RP-MD, JPL, AnEur, WP3, AB

### Strategic messages

14411 kHz, 03-07, 1044 UTC RDL: XXX XXX IGYC IGYC 77325 64487 BIMSOBROD 9786 6254  
14411 kHz, 03-07, 1144 UTC RDL: XXX XXX WEGI WEGI 46951 45715 SEKRETARX 8164 7820 REJHSWER 8695 3379  
NEPRIAeTIE 1154 1702  
14411 kHz, 03-07, 1147 UTC RDL: XXX XXX M7A2 M7A2 56251 70549 SRYWOKLIR 6435 6762  
14411 kHz, 03-07, 1240 UTC RDL: XXX XXX WEGI WEGI 82790 95283 TREFOTRAP 4684 1997  
14411 kHz, 03-07, 1439 UTC RDL: XXX XXX W6BY W6BY 51590 19756 NAGRUZKA 2876 8001 SYNOREIS 6323 8625

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

RAv – Russian Air Force

Korsar	Russian Military Transport Aviation (VTA) HQs, Moscow
Polis	117th Air Transport Regiment (VTAP), Orenburg
Klarnetist	196th Military Transport Air Regiment (VTAP), Migalovo/Tver
Proselok	334th Military Transport Air Regiment, Pskov
Davlenie	708th Air Transport Regiment (VTAP), Taganrog
Magnetron	566th Military Transport Air Regiment (VTAP) Seshcha
Kasta	224th Air Detachment (VTAP), Tver



Frequencies: 6685, 8847, 11360, 18030 kHz

05-07, 1230 UTC      Korsar wkg 78790 (IL-76MD 196th Military Transport Air Regiment - Tver ) reporting 1523 MSK departure from Chkalovskiy wkg 60 tons fuel & next is Tver at 1610 MSK. Lands at Tver at 1608 MSK

05-07, 1232 UTC      Korsar wkg 76725 (IL-76MD IL-76MD 708th VTAP Taganrog Central(P)) reporting 1531 MSK landing at Plavnik (Russian AB Shagol (Chelyabinsk). Reports 1917 MSK landing at Karakul (Russian AB, Engels).

05-07, 1239 UTC      Korsar wkg 78768 (IL-76MD 566th Military Transport Air Regiment - Seshcha ) reporting 1 hr into flt wkg 28 tons fuel & next is Kedr (Russian AB, Seshcha). Reports landing at Kedr at 1715 MSK

05-07, 1251 UTC      Polis R/Cs wkg 76767 (IL-76MD 117th Air Transport Regiment (VTAP), Orenburg).

05-07, 1253 UTC      Korsar R/Cs wkg 78788 (IL-76MD).

05-07, 1340 UTC      Korsar wkg 78805 (IL-76MD) reporting 1640 MSK landing at (missed). Reports 1740 MSK departure from (missed) wkg 17 tons fuel & next is Kwartet (Russian AB Taganrog-Central ). At 1820Z reports 1 hr into flt wkg 32 tons fuel & "ops normal". At 1916Z reports landing at Chkalovskiy & "ops normal"

05-07, 1357 UTC      Korsar wkg 86907 (IL-76MD) reporting departure from Tver. Reports 1800 MSK landing at Kedr. Reports 1914 MSK departure from Kedr.

05-07, 1406 UTC      Korsar wkg 76762 (IL-76MD 117th Air Transport Regiment (VTAP), Orenburg) reporting 1712 MSK landing at Tai'mir (Russian AB Krimsk) wkg 20 tons fuel.

05-07, 1756 UTC      Korsar wkg 76817 (IL-76MD) reporting departure from Kwartet wkg 33 tons fuel & next is Vnukovo.

05-07, 1902 UTC      Magnetron R/Cs wkg 82013 (Russian AF AN-124 566th Military Transport Air Regiment, Seshcha).

## ***M32 - Russian / CIS Military CW Stations***

### **4020 kHz, 12-07, 1634 UTC**

5KTC DE 9PLZ K

5KTC DE 9PLZ K

9PLZ QTC K

9PLZ 500 25 12 1934 500 = 730 =

64416 41148 45125 01972 04433 31743 01847 53270 04326 88172 95827 704

(switched to digital mode and back to CW)

9PLZ OK ZGO K

### **13964 kHz, 24-07, 0948 UTC**

i.p. 12526 50182 94113 34908 75701 16496 54151 98083 38877

79671 20465 24020 K

JQ8Q JQ8Q =

JQ8Q 523 22 24 1243 523 K

R K

6PA8 K

### **13964 kHz, 24-07, 1015 UTC**

510 = 836 =

11482 74241 30726 77095 28003 78211 28419 75489 25697 75904

26113 76320 29667 79874 30082 80290 27360 77568 20776 77983

24020 K

Q4D3 DE JQ8Q K

JQ8Q JQ8Q

JQ8Q 968 22 24 1315 968 = 836 =

50975 94906 35800 76494 17289 58082 11428 49084 89877 20872

74603 15398 56191 96985 40917 80711 22505 64299 10369 51163

24020 K

### **4441 kHz, 29-07, 2237 UTC, i.p.**

73667 5529 30023 631 =

LDBO QTC 757 26 30 0130 757 =

631.. 8193 22052 43375 21408 82113 96606 232517 7891 62890

72778 93888 05154 06507 23819 17458 74416 22656 32365

39444 09209 94423 83667 05529 30023 631 AR

**8816 kHz, 31-07, 1245 UTC**

1792 12 1792 12 1792 12  
1792 13 1792 13 1792 13  
1792 14 1792 14 1792 14  
1792 15 1792 15 1792 15  
1792 16 1792 16 1792 16  
1792 17 1792 17 1792 17  
etc.  
1792 20 1792 20 1792 20  
1792 21 1792 21 1792 21  
etc.  
1792 57 1792 57  
etc.  
1947 33 1947 33  
etc etc.

***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)*****8784 kHz, 26-07, 0601 UTC. RMFE: Navy Tug SB-123**

RMP DE RMFE 810 18 26 0900 810 =  
FOR RJH45 RJD38 RIF4 =  
26061 99601 10269 44/98 20705 10196 40018 52001 7//// 8////  
22200 00180 2//// 3//// 26014 =  
+ RMFE K

**9976 kHz, 26-07, 0606 UTC. RBIZ: Navy Ship PM-138**

RCV DE RBIZ 499 19 26 0900 499 =  
FOR RJE73 RJH45 =  
26061 99349 10359 41597 23205 10231 40118 54003 70200 82110  
22200 00200 21000 80000 25014 =  
+ RBIZ K

**8137 kHz, 26-07, 0609 UTC. RJQ56: Navy unid**

RIT DE RJQ56 263 18 26 0902 263 =  
FOR RJH74 RJH45 =  
26061 99698 10316 41496 81804 10130 40220 54000 70266 88//  
22200 00130 20201 88000 80000 26015 =  
+ RJQ56 K

**5467.5 kHz, 26-07, 0610 UTC. RMEZ: Navy unid**

RCV DE RMEZ 257 17 26 0905 257 =  
SML FOR RJH45 RJE73 =  
26061 99453 10300 42/98 02703 10260 40125 54000 22200 00230  
2//// 88000 80000 26013 =  
+ RMEZ K

**8345 kHz, 26-07, 0612 UTC. RHM80: Navy Ship Yauza**

RIT DE RHM80 342 17 26 0903 342 =  
SML FOR RJH74 RJH45 =  
26061 99698 10428 41497 83010 10067 40186 51004 70054 886//  
22252 0//// 20404 26013 =  
+ RHM80 K

**8137 kHz, 26-07, 0613 UTC. RJP50: Navy unid**

RIT DE RJP50 161 19 26 0905 161 =  
FM RCQG RJP50 FOR RJH74 RJH45 =  
26061 99698 10318 41396 89902 10120 40185 54005 76122 886//  
22200 299// 88000 80000 26014 =  
+ RJP50 K

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

### **8816 kHz 07-07, 0710 UTC**

RJF94 RJC38 DE 71567 QTO 0700 QBD XLAA XUYK QRE 0950 QBD 0500 K  
QTH 16739 15306 QTR 0809 QBG 5500 QBD 0400 K  
QTH 16645 14745 QTR 0834 QBG 5500 QBD 0330 QRE XLAA 0935 K  
QQM XLAA 0940 SK

### **8816 kHz 07-07, 1220 UTC**

RJF94 RJC38 DE 54573 QTO 1210 QRD XLMD XLAA QBD 0630 QRE 1330 K  
QQM XLMD 1335 SK

### **8816 kHz 07-07, 1301 UTC**

RJF94 RJC38 DE 71567 QTO 1250 QRD XLMD XLAA QRE 1430 QBD 0500 K

### **8816 kHz 07-07, 1333 UTC**

RJF94 RJC38 DE 10565 QTO 1324 QRD XLMD XLWF QRE 1550 QBD 0630 K  
QTH 16651 13457 QTR 1340 QBG 5500 QRE XLMD 1430 K  
QTH 16408 13502 QTR 1430 QBG 6700 K  
QQM XLMD 1542 SK

### **8816 kHz, 29-07, 0624 UTC**

RJC38 RJF94 DE 71567 QTH 16419 13458 QTR 0619 QBG 5800 QBD 0400 K  
QTH 16220 13621 QTR 0647 QBG 5800 QRE XLWF 0740 K  
QQM XLWF 0740 SK

### **8816 kHz, 31-07, 0712 UTC**

RJC38 RJF94 DE 71567 QTO 0700 QRD XUMO XLMD QRE 1050 QBD 0500 K  
QTH 16456 13429 QRE 0811 QBG 5800 QBD 0400 K  
QTH 16117 13700 QTR 0907 QBG 5800 QBD 0300 K  
QTH 15840 13755 QTR 0945  
QBG 5800 QRE XUMO 1035 K

### **8816 kHz, 31-07, 1040 UTC**

RJC38 RJF94 DE 54585 QTO 1028 QRD XLLV XLAA QBD 0600 QRE 1220 K  
QQL XLPB 1118 QBG 2000 QRE XLLV 1158 K  
QQM XLLV 1155 SK

### **8816 kHz, 31-07, 1139 UTC**

RJF94 RJC38 DE 10565 QTO 1125 QRD XLWF XLMD QRE 1440 QBD 0730 K  
QTH 16456 13529 QTR 1322 QBG 5800 K  
QTH 16010 13807 QTR 1423 QBG 5900 K  
QQM XLWF 1440 SK

### **8816 kHz, 31-07, 1235 UTC**

RJC38 RJF94 DE 71567 QTO 1225 QRD XLWF XLMD QRE 1440 QBD 0730 K

### **8816 kHz, 31-07, 1244 UTC**

RJC38 RJF94 DE 84124 QTO 1232 QRD XLMD XLWF QBD 0500 K  
QTH 16457 13450 QBD 0400 K  
QQM XLMD SK

### **8816 kHz, 31-07, 1249 UTC**

RJC38 RJF94 DE 71567 QTO 1239 QRD XLWF XUMO QRE 1420 QBD 0530 K

### **8816 kHz, 31-07, 1608 UTC**

RJF94 DE 84121 QTO 1550 QRD XRKE XLWF QRE 1840 QBD 0530 K

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	9610.4	8-7	0925	Mon	VVV AR followed by English male voice count test in USB. No ID	CW	(MPJ)
---	3684	29-7	1825	Mon	North Korean military: VVV 8IW 8IW 8IW DE V97 V97 QSA ? K	CW	(JPL-Sib)
DPRK	12775	3-7	0731	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	3-7	0733	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12206	3-7	0733	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13333	3-7	0734	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14416	3-7	0735	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12102	10-7	1230	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13373	12-7	1203	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	12-7	1306	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	18033	18-7	0811	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-J)
DPRK	14573	18-7	1414	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14963	18-7	1417	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14525	25-7	1230	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	11632	1-7	0210	Mon	537 100 44 46426	USB	(HFD)
E06	13827	1-7	0310	Mon	537 ...	USB	(HFD-J)
E06	13825	4-7	0500	Thu	679 481 52 86310 90435 19339 ... 85899 63618 66928 481 52 00000	USB	(AB-FIN)
E06	15615	4-7	0600	Thu	679 481 52 86310 90435 19339 ... 85899 63618 66928 481 52 00000	USB	(AB-FIN)
E06	13825	5-7	0500	Fri	679 481 52 86310 90435 19339 ... 85899 63618 66928 481 52 00000	USB	(AB-FIN/HFD)
E06	15615	5-7	0600	Fri	679 481 52 86310 90435 19339 ... 85899 63618 66928 481 52 00000	USB	(AB-FIN/HFD)
E06	5731	5-7	2130	Fri	315 974 42 45671 65736 96930 ... 57693 48690 03856 974 42 00000. Windows shut down sound	USB	(AB/HFD)
E06	14845	18-7	0300	Thu	361 824 37 ...	USB	(HFD)
E06	12189	18-7	0400	Thu	361 ...	USB	(HFD)
E06	13825	18-7	0500	Thu	679 312 58 64951 80572 93486 ... 86883 83425 43402 312 58 00000	USB	(AB-RUS)
E06	15615	18-7	0600	Thu	679 312 58 64951 80572 93486 ... 86883 83425 43402 312 58 00000	USB	(AB-RUS)
E06	5936	18-7	2030	Thu	724 975 42 45878 68175 68385 ... 23648 23936 26389 975 42 00000	USB	(AB)
E06	13825	19-7	0500	Fri	679 312 58 64951 80572 93486 ... 86883 83425 43402 312 58 00000	USB	(AB)
E06	15615	19-7	0600	Fri	679 312 58 64951 80572 93486 ... 86883 83425 43402 312 58 00000	USB	(AB)
E06	11632	22-7	0210	Mon	537 ...	USB	(JM)
E07	16263	1-7	1900	Mon	273 273 273 000	USB	(MPJ/RL/HFD)
E07	14763	1-7	1920	Mon	273 273 273 000	USB	(MPJ/RL/HFD)
E07	15962	2-7	0700	Tue	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB)
E07	17462	2-7	0720	Tue	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB)
E07	18542	2-7	0740	Tue	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB-AUT)



E07	19252	2-7	1100	Tue	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB-RUS)
E07	17452	2-7	1120	Tue	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB-RUS)
E07	16252	2-7	1140	Tue	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB)
E07	12223	3-7	1700	Wed	201 201 201 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/HFD)
E07	11023	3-7	1720	Wed	201 201 201 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/HFD)
E07	10123	3-7	1740	Wed	201 201 201 1 5700 60 5700 60 02140 00129 99359 ... 41643 68358 20365 000 000	USB	(AB/HFD)
E07	16263	3-7	1900	Wed	273 273 273 1 940 100 940 100 04191 63979 83190 ... 47123 89844 17969 86421 000 000	USB	(AB/HFD)
E07	14763	3-7	1920	Wed	273 273 273 1 940 100 940 100 04191 63979 83190 ... 47123 89844 17969 86421 000 000	USB	(AB/RL/HFD)
E07	13363	3-7	1940	Wed	273 273 273 1 940 100 940 100 04191 63979 83190 ... 47123 89844 17969 86421 000 000	USB	(AB/RL/HFD)
E07	15962	5-7	0700	Fri	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB/HFD)
E07	17462	5-7	0720	Fri	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB/HFD)
E07	18542	5-7	0740	Fri	945 954 945 1 6355 74 6355 74 92177 67011 56172 ... 65977 61594 04325 000 000	USB	(AB/HFD)
E07	19252	5-7	1100	Fri	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB/MPJ/HFD)
E07	17452	5-7	1120	Fri	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB/MPJ/HFD)
E07	16252	5-7	1140	Fri	242 242 242 1 8783 5 8783 5 72250 60130 38086 81009 48295 000 000	USB	(AB/MPJ/HFD)
E07	9064	6-7	0600	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	10264	6-7	0620	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	11464	6-7	0640	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	9064	6-7	1300	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	10264	6-7	1320	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	11464	6-7	1340	Sat	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	13562	6-7	1410	Sat	441 441 441 1 502 23 502 23 04362 31630 14653 ... 73260 46037 97088 000 000	USB	(AB/MPJ)
E07	14862	6-7	1430	Sat	441 441 441 1 502 23 502 23 04362 31630 14653 ... 73260 46037 97088 000 000	USB	(AB/MPJ)
E07	16162	6-7	1450	Sat	441 441 441 1 502 23 502 23 04362 31630 14653 ... 73260 46037 97088 000 000	USB	(AB/MPJ)
E07	9064	7-7	0600	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	10264	7-7	0620	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	11464	7-7	0640	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB)
E07	9064	7-7	1300	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	10264	7-7	1320	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	11464	7-7	1340	Sun	024 024 024 1 597 49 597 49 78142 13988 78496 ... 71469 95245 39628 000 000	USB	(AB/MPJ)
E07	12223	7-7	1700	Sun	201 201 201 000	USB	(AB/MPJ)
E07	11023	7-7	1720	Sun	201 201 201 000	USB	(AB)
E07	16263	8-7	1900	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/MPJ)
E07	14763	8-7	1920	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/MPJ)
E07	13363	8-7	1940	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB)
E07	15962	9-7	0700	Tue	945 945 945 000	USB	(AB)
E07	17462	9-7	0720	Tue	945 945 945 000	USB	(AB)
E07	19252	9-7	1100	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB-RUS/MPJ)
E07	17452	9-7	1120	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB-RUS/MPJ)

E07	16252	9-7	1140	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	12223	10-7	1700	Wed	201 201 201 000	USB	(AB/MPJ)
E07	11023	10-7	1720	Wed	201 201 201 000	USB	(AB/MPJ)
E07	16263	10-7	1900	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(MPJ)
E07	14763	10-7	1920	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(MPJ)
E07	13363	10-7	1940	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB)
E07	13562	11-7	1410	Thu	441 441 441 000	USB	(AB-RUS/MPJ/HFD)
E07	14862	11-7	1430	Thu	441 441 441 000	USB	(AB-RUS/MPJ/HFD)
E07	15962	12-7	0700	Fri	945 945 945 000	USB	(AB)
E07	17462	12-7	0720	Fri	945 945 945 000	USB	(AB)
E07	19252	12-7	1100	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	17452	12-7	1120	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	16252	12-7	1140	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	9064	13-7	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	13-7	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	13-7	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	13-7	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	13562	13-7	1410	Sat	441 441 441 000	USB	(AB/MPJ)
E07	14862	13-7	1430	Sat	441 441 441 000	USB	(AB/MPJ)
E07	9064	14-7	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	14-7	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	14-7	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	14-7	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	12223	14-7	1700	Sun	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	11023	14-7	1720	Sun	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	10123	14-7	1740	Sun	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	16263	15-7	1900	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/MPJ/RL)
E07	14763	15-7	1920	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/RL)
E07	13363	15-7	1940	Mon	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/RL)
E07	15962	16-7	0700	Tue	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	17462	16-7	0720	Tue	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	18542	16-7	0740	Tue	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	19252	16-7	1100	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB-RUS/MPJ)
E07	17452	16-7	1120	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB-RUS/MPJ)
E07	16252	16-7	1140	Tue	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	12223	17-7	1700	Wed	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	11023	17-7	1720	Wed	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	10123	17-7	1740	Wed	201 201 201 1 278 81 278 81 17655 10290 30034 ... 53628 29682 73060 000 000	USB	(AB/MPJ)
E07	16263	17-7	1900	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/RL)

E07	14763	17-7	1920	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/RL)
E07	13363	17-7	1940	Wed	273 273 273 1 687 120 687 120 96389 58508 58502 ... 27030 38482 86261 000 000	USB	(AB/RL)
E07	13562	18-7	1410	Thu	441 441 441 000	USB	(AB-RUS)
E07	14862	18-7	1430	Thu	441 441 441 000	USB	(AB-RUS)
E07	15962	19-7	0700	Fri	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	17462	19-7	0720	Fri	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	18542	19-7	0740	Fri	945 945 945 1 239 56 239 56 51269 04919 30752 ... 22423 66152 18007 000 000	USB	(AB)
E07	19252	19-7	1100	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	17452	19-7	1120	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	16252	19-7	1140	Fri	242 242 242 1 9383 112 9383 112 54941 78990 31376 ... 40880 79419 00697 000 000	USB	(AB/MPJ)
E07	9064	20-7	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	20-7	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	20-7	1300	Sat	024 024 024 000	USB	(AB/MPJ/HFD)
E07	10264	20-7	1320	Sat	024 024 024 000	USB	(AB/MPJ/HFD)
E07	13562	20-7	1410	Sat	441 441 441 000	USB	(AB/MPJ)
E07	14862	20-7	1430	Sat	441 441 441 000	USB	(AB/MPJ)
E07	9064	21-7	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	21-7	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	21-7	1300	Sun	024 024 024 000	USB	(MPJ)
E07	10264	21-7	1320	Sun	024 024 024 000	USB	(MPJ)
E07	12223	21-7	1700	Sun	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	11023	21-7	1720	Sun	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	10123	21-7	1740	Sun	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	16263	22-7	1900	Mon	273 273 273 000	USB	(AB/MPJ)
E07	14763	22-7	1920	Mon	273 273 273 000	USB	(AB/MPJ)
E07	15962	23-7	0700	Tue	945 945 945 000	USB	(AB)
E07	17462	23-7	0720	Tue	945 945 945 000	USB	(AB)
E07	19252	23-7	1100	Tue	242 242 242 000	USB	(AB-FIN/MPJ)
E07	17452	23-7	1120	Tue	242 242 242 000	USB	(AB-FIN/MPJ)
E07	12223	24-7	1700	Wed	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	11023	24-7	1720	Wed	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	10123	24-7	1740	Wed	201 201 201 1 8742 43 8742 43 77712 13006 45756 ... 07903 92252 44404 000 000	USB	(AB/MPJ)
E07	16263	24-7	1900	Wed	273 273 273 000	USB	(AB/MPJ)
E07	14763	24-7	1920	Wed	273 273 273 000	USB	(AB/MPJ)
E07	13562	25-7	1410	Thu	441 441 441 000	USB	(AB/MPJ)
E07	14862	25-7	1430	Thu	441 441 441 000	USB	(AB/MPJ)
E07	15962	26-7	0700	Fri	945 945 945 000	USB	(AB)
E07	17462	26-7	0720	Fri	945 945 945 000	USB	(AB)
E07	19252	26-7	1100	Fri	242 242 242 000	USB	(AB/MPJ)

<b>E07</b>	17452	26-7	1120	Fri	242 242 242 000	USB	(AB/MPJ)
<b>E07</b>	9064	27-7	0600	Sat	024 024 024 000	USB	(AB)
<b>E07</b>	10264	27-7	0620	Sat	024 024 024 000	USB	(AB)
<b>E07</b>	9064	27-7	1300	Sat	024 024 024 000	USB	(AB/MPJ)
<b>E07</b>	10264	27-7	1320	Sat	024 024 024 000	USB	(AB/MPJ)
<b>E07</b>	13562	27-7	1410	Sat	441 441 441 000	USB	(AB/MPJ)
<b>E07</b>	14862	27-7	1430	Sat	441 441 441 000	USB	(AB/MPJ)
<b>E07</b>	9064	28-7	0600	Sun	024 024 024 000	USB	(AB)
<b>E07</b>	10264	28-7	0620	Sun	024 024 024 000	USB	(AB)
<b>E07</b>	9064	28-7	1300	Sun	024 024 024 000	USB	(MPJ)
<b>E07</b>	10264	28-7	1320	Sun	024 024 024 000	USB	(MPJ)
<b>E07</b>	12223	28-7	1700	Sun	201 201 201 000	USB	(AB)
<b>E07</b>	11023	28-7	1720	Sun	201 201 201 000	USB	(AB)
<b>E07</b>	16263	29-7	1900	Mon	273 273 273 000	USB	(AB/MPJ/RL)
<b>E07</b>	14763	29-7	1920	Mon	273 273 273 000	USB	(AB/MPJ/RL)
<b>E07</b>	19252	30-7	1100	Tue	242 1 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(MPJ)
<b>E07</b>	17452	30-7	1120	Tue	242 1 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(MPJ)
<b>E07</b>	16252	30-7	1140	Tue	242 1 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(MPJ)
<b>E07</b>	12223	31-7	1700	Wed	201 201 201 000	USB	(AB/MPJ)
<b>E07</b>	11023	31-7	1720	Wed	201 201 201 000	USB	(AB/MPJ)
<b>E07</b>	16263	31-7	1900	Wed	273 273 273 000	USB	(AB/MPJ/RL)
<b>E07</b>	14763	31-7	1920	Wed	273 273 273 000	USB	(AB/MPJ/RL)
<b>E07a</b>	12166	3-7	2000	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	10766	3-7	2020	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB/RL)
<b>E07a</b>	9266	3-7	2040	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB/RL)
<b>E07a</b>	7933	4-7	0430	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	9133	4-7	0450	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	10233	4-7	0510	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	12213	5-7	1510	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ/HFD)
<b>E07a</b>	11413	5-7	1530	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ/HFD)
<b>E07a</b>	10113	5-7	1550	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ/HFD)
<b>E07a</b>	12173	6-7	0800	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000	USB	(AB/HFD)
<b>E07a</b>	13973	6-7	0820	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000	USB	(AB/HFD)
<b>E07a</b>	14873	6-7	0840	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000. Stopped during group 13 and restarted with group 5	USB	(AB)
<b>E07a</b>	12166	10-7	2000	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)

<b>E07a</b>	10766	10-7	2020	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB/RL)
<b>E07a</b>	9266	10-7	2040	Wed	172 172 172 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB/RL)
<b>E07a</b>	7933	11-7	0430	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	9133	11-7	0450	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	10233	11-7	0510	Thu	912 912 912 1 16865 230 73 230 73 84980 56962 08902 ... 82581 81654 89492 000 000	USB	(AB)
<b>E07a</b>	12213	12-7	1510	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ)
<b>E07a</b>	11413	12-7	1530	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ)
<b>E07a</b>	10113	12-7	1550	Fri	241 241 241 1 39794 9835 57 9835 57 96171 44639 13824 39994 ... 89720 58121 64268 000 000	USB	(AB/MPJ)
<b>E07a</b>	12173	13-7	0800	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000	USB	(AB)
<b>E07a</b>	13973	13-7	0820	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000	USB	(AB)
<b>E07a</b>	14873	13-7	0840	Sat	198 198 198 1 39794 9835 57 9835 57 96171 44639 13824 ...89720 58121 64268 000 000	USB	(AB)
<b>E07a</b>	12166	17-7	2000	Wed	172 172 172 000	USB	(AB/RL)
<b>E07a</b>	10766	17-7	2020	Wed	172 172 172 000	USB	(AB/RL)
<b>E07a</b>	7933	18-7	0430	Thu	912 912 912 000	USB	(AB)
<b>E07a</b>	9133	18-7	0450	Thu	912 912 912 000	USB	(AB)
<b>E07a</b>	12213	19-7	1510	Fri	241 241 241 000	USB	(AB/MPJ)
<b>E07a</b>	11413	19-7	1530	Fri	241 241 241 000	USB	(AB/MPJ)
<b>E07a</b>	12173	20-7	0800	Sat	198 198 198 000	USB	(AB)
<b>E07a</b>	13973	20-7	0820	Sat	198 198 198 000	USB	(AB)
<b>E07a</b>	12166	24-7	2000	Wed	172 172 172 000	USB	(AB/RL)
<b>E07a</b>	10766	24-7	2020	Wed	172 172 172 000	USB	(AB/RL)
<b>E07a</b>	7933	25-7	0430	Thu	912 912 912 000	USB	(AB)
<b>E07a</b>	9133	25-7	0450	Thu	912 912 912 000	USB	(AB)
<b>E07a</b>	12213	26-7	1510	Fri	241 241 241 000	USB	(AB/MPJ)
<b>E07a</b>	11413	26-7	1530	Fri	241 241 241 000	USB	(AB/MPJ)
<b>E07a</b>	12173	27-7	0800	Sat	198 198 198 000	USB	(AB)
<b>E07a</b>	13973	27-7	0820	Sat	198 198 198 000	USB	(AB)
<b>E07a</b>	12166	31-7	2000	Wed	172 172 172 000	USB	(AB/RL)
<b>E07a</b>	10766	31-7	2020	Wed	172 172 172 000	USB	(AB/RL)
<b>E11</b>	7469	1-7	0450	Mon	416/00	USB	(AB)
<b>E11</b>	11559	1-7	0600	Mon	189/00	USB	(AB)
<b>E11</b>	15800	1-7	0640	Mon	942/00	USB	(AB)
<b>E11</b>	7439	1-7	0900	Mon	530/00	USB	(AB)
<b>E11</b>	8545	1-7	1045	Mon	698/00	USB	(AB)
<b>E11</b>	13424	2-7	0645	Tue	512/00	USB	(AB)
<b>E11</b>	8680	2-7	0700	Tue	576/00	USB	(AB)

E11	12153	2-7	0845	Tue	150/00	USB	(AB)
E11	8180	2-7	1000	Tue	309/00	USB	(AB)
E11	12984	2-7	1345	Tue	918/00	USB	(AB)
E11	5371	2-7	1605	Tue	230/00	USB	(MPJ)
E11	14575	2-7	1645	Tue	332/00	USB	(AB/MPJ)
E11	15720	3-7	0745	Wed	343/00	USB	(AB)
E11	17378	3-7	0820	Wed	130/00	USB	(AB)
E11	7439	3-7	0900	Wed	535/00	USB	(AB)
E11	6923	3-7	0930	Wed	271/00	USB	(AB)
E11	8545	3-7	1045	Wed	690/00	USB	(AB)
E11	7863	3-7	1625	Wed	967/00	USB	(AB)
E11	7984	3-7	1730	Wed	404/00	USB	(AB)
E11	13424	4-7	0645	Thu	518/00	USB	(AB)
E11	4909	4-7	0820	Thu	439/00	USB	(AB)
E11	12153	4-7	0845	Thu	154/00	USB	(AB)
E11	6923	4-7	0930	Thu	279/00	USB	(AB)
E11	11092	4-7	1300	Thu	583/00	USB	(AB)
E11	14575	4-7	1645	Thu	332/00	USB	(AB/MPJ)
E11	8088	4-7	1730	Thu	415/00	USB	(AB/MPJ)
E11	7600	4-7	1900	Thu	646/00	USB	(AB/MPJ)
E11	6849	5-7	0435	Fri	353/00	USB	(AB)
E11	11559	5-7	0600	Fri	189/00	USB	(HFD)
E11	8680	5-7	0700	Fri	570/00	USB	(AB)
E11	15720	5-7	0745	Fri	347/00	USB	(AB)
E11	8180	5-7	1000	Fri	306/00	USB	(AB/HFD)
E11	12229	5-7	1650	Fri	926/00	USB	(AB/MPJ/HFD)
E11	6480	6-7	0710	Sat	496/00	USB	(AB)
E11	5737	6-7	0805	Sat	315/00	USB	(AB)
E11	11092	6-7	1300	Sat	585/00	USB	(AB-POL/MPJ)
E11	12984	6-7	1345	Sat	911/00	USB	(MPJ)
E11	7984	6-7	1730	Sat	405/00	USB	(AB/MPJ)
E11	5082	6-7	1930	Sat	366/00	USB	(AB)
E11	6849	7-7	0435	Sun	354/00	USB	(AB)
E11	6480	7-7	0710	Sun	491/00	USB	(AB)
E11	5737	7-7	0805	Sun	313/00	USB	(AB)
E11	5371	7-7	1605	Sun	233/00	USB	(AB/MPJ)
E11	7863	7-7	1625	Sun	978/00	USB	(AB/MPJ)
E11	12229	7-7	1650	Sun	921/00	USB	(AB/MPJ)
E11	5082	7-7	1930	Sun	367/00	USB	(AB)

E11	11559	8-7	0600	Mon	183/00	USB	(AB)
E11	15800	8-7	0640	Mon	945/00	USB	(AB)
E11	9610	8-7	0745	Mon	268/00	USB	(AB)
E11	7449	8-7	0900	Mon	538/00	USB	(AB)
E11	8545	8-7	1045	Mon	694/00	USB	(AB)
E11	5409	8-7	1530	Mon	528/00	USB	(AB/MPJ)
E11	14410	8-7	1745	Mon	245/00	USB	(AB/MPJ)
E11	12153	9-7	0845	Tue	154/00	USB	(AB)
E11	6304	9-7	1205	Tue	462/00	USB	(MPJ)
E11	12984	9-7	1345	Tue	919/00	USB	(MPJ)
E11	5371	9-7	1605	Tue	237/00	USB	(MPJ)
E11	14575	9-7	1645	Tue	332/00	USB	(MPJ)
E11	15800	10-7	0640	Wed	949/00	USB	(AB)
E11	15720	10-7	0745	Wed	343/00	USB	(AB)
E11	17378	10-7	0820	Wed	136/00	USB	(AB-POL)
E11	7449	10-7	0900	Wed	537/00	USB	(AB)
E11	6923	10-7	0930	Wed	275/00	USB	(AB)
E11	8545	10-7	1045	Wed	690/00	USB	(AB)
E11	6304	10-7	1205	Wed	469/00	USB	(MPJ)
E11	7863	10-7	1625	Wed	972/00	USB	(AB/MPJ)
E11	4783	10-7	1705	Wed	395/00	USB	(AB/MPJ)
E11	7984	10-7	1730	Wed	403/00	USB	(AB/MPJ)
E11	13424	11-7	0645	Thu	511/00	USB	(AB)
E11	12153	11-7	0845	Thu	150/00	USB	(AB)
E11	6923	11-7	0930	Thu	273/00	USB	(AB)
E11	10356	11-7	1530	Thu	267/00	USB	(AB/MPJ)
E11	14575	11-7	1645	Thu	330/00	USB	(AB/MPJ)
E11	12630	11-7	1925	Thu	557/00	USB	(AB)
E11	6849	12-7	0435	Fri	352/00	USB	(AB)
E11	11559	12-7	0600	Fri	182/00	USB	(AB)
E11	8680	12-7	0700	Fri	576/00	USB	(AB)
E11	10429	12-7	0715	Fri	636/00	USB	(AB)
E11	15720	12-7	0745	Fri	343/00	USB	(AB)
E11	5409	12-7	1530	Fri	528/00	USB	(AB/MPJ)
E11	9610	12-7	1910	Fri	614/00	USB	(AB-POL)
E11	12984	13-7	1345	Sat	917/00	USB	(AB/MPJ)
E11	4783	13-7	1705	Sat	394/00	USB	(AB/MPJ)
E11	7984	13-7	1730	Sat	400/00	USB	(AB/MPJ)
E11	6849	14-7	0435	Sun	359/00	USB	(AB)



E11	5371	14-7	1605	Sun	235/00	USB	(AB/MPJ/HFD)
E11	7863	14-7	1625	Sun	972/00	USB	(AB/MPJ/GHn)
E11	14410	14-7	1745	Sun	249/00	USB	(AB/MPJ)
E11	9610	14-7	1910	Sun	611/00	USB	(AB-POL/MPJ)
E11	7469	15-7	0450	Mon	413/00	USB	(AB)
E11	11559	15-7	0600	Mon	184/00	USB	(AB)
E11	9610	15-7	0745	Mon	268/00	USB	(AB)
E11	7449	15-7	0900	Mon	534/00	USB	(AB)
E11	8545	15-7	1045	Mon	691/00	USB	(AB)
E11	5409	15-7	1530	Mon	521/00	USB	(AB/MPJ)
E11	14410	15-7	1745	Mon	247/00	USB	(AB/MPJ)
E11	8680	16-7	0700	Tue	570/00	USB	(AB)
E11	10429	16-7	0715	Tue	639/00	USB	(AB)
E11	17378	16-7	0820	Tue	134/00	USB	(AB)
E11	8180	16-7	1000	Tue	307/00	USB	(AB)
E11	6304	16-7	1205	Tue	469/00	USB	(AB/MPJ)
E11	12984	16-7	1345	Tue	910/00	USB	(AB/HFD)
E11	14575	16-7	1645	Tue	334/00	USB	(AB/MPJ)
E11	17378	17-7	0820	Wed	131/00	USB	(AB)
E11	7449	17-7	0900	Wed	534/00	USB	(AB/HFD)
E11	8545	17-7	1045	Wed	Test tones at 1035 and 1036 UTC but no message heard	USB	(AB)
E11	6304	17-7	1205	Wed	461/00	USB	(AB/MPJ)
E11	4783	17-7	1705	Wed	393/00	USB	(MPJ)
E11	8565	18-7	0315	Thu	251/00	USB	(HFD)
E11	4909	18-7	0820	Thu	436/00	USB	(AB-POL)
E11	11092	18-7	1300	Thu	589/00	USB	(AB)
E11	10356	18-7	1530	Thu	264/00	USB	(AB/MPJ)
E11	14575	18-7	1645	Thu	330/00	USB	(AB-POL/MPJ)
E11	8088	18-7	1730	Thu	416/00	USB	(AB/MPJ)
E11	7600	18-7	1900	Thu	640/00	USB	(AB/MPJ)
E11	11559	19-7	0600	Fri	182/00	USB	(AB)
E11	8680	19-7	0700	Fri	577/00	USB	(AB)
E11	10429	19-7	0715	Fri	635/00	USB	(AB)
E11	8180	19-7	1000	Fri	305/00	USB	(AB)
E11	5409	19-7	1530	Fri	528/00	USB	(AB)
E11	12229	19-7	1650	Fri	920/00	USB	(AB)
E11	9610	19-7	1910	Fri	612/00	USB	(AB-POL)
E11	6480	20-7	0710	Sat	496/00	USB	(AB)
E11	5737	20-7	0805	Sat	312/00	USB	(AB)



E11	5737	20-7	0805	Sat	312/00	USB	(AB)
E11	11092	20-7	1300	Sat	588/00	USB	(AB/MPJ)
E11	12984	20-7	1345	Sat	917/00	USB	(AB/MPJ)
E11	4783	20-7	1705	Sat	392/00	USB	(AB/MPJ)
E11	5082	20-7	1930	Sat	364/00	USB	(AB)
E11	6480	21-7	0710	Sun	490/00	USB	(AB)
E11	5737	21-7	0805	Sun	311/00	USB	(AB)
E11	12229	21-7	1650	Sun	920/00	USB	(AB)
E11	14410	21-7	1745	Sun	247/00	USB	(AB-POL/MPJ)
E11	9610	21-7	1910	Sun	616/00	USB	(AB-POL/MPJ/GHn)
E11	5082	21-7	1930	Sun	363/00	USB	(AB/GHn)
E11	7469	22-7	0450	Mon	418/00	USB	(AB)
E11	15800	22-7	0640	Mon	940/00	USB	(AB)
E11	9610	22-7	0745	Mon	264/00	USB	(AB)
E11	8545	22-7	1045	Mon	690/00	USB	(AB)
E11	5409	22-7	1530	Mon	521/00	USB	(AB)
E11	14410	22-7	1745	Mon	246/00	USB	(AB-POL/MPJ)
E11	7600	22-7	1900	Mon	648/00	USB	(AB/MPJ)
E11	13424	23-7	0645	Tue	514/00	USB	(AB)
E11	10429	23-7	0715	Tue	636/00	USB	(AB)
E11	12153	23-7	0845	Tue	155/00	USB	(AB)
E11	8180	23-7	1000	Tue	308/00	USB	(AB)
E11	6304	23-7	1205	Tue	465/00	USB	(AB/MPJ)
E11	5371	23-7	1605	Tue	230/00	USB	(AB)
E11	15720	24-7	0745	Wed	344/00	USB	(AB)
E11	6923	24-7	0930	Wed	271/00	USB	(AB)
E11	8545	24-7	1045	Wed	690/00	USB	(AB)
E11	6304	24-7	1205	Wed	464/00	USB	(AB)
E11	7863	24-7	1625	Wed	977/00	USB	(AB/MPJ)
E11	4783	24-7	1705	Wed	392/00	USB	(MPJ)
E11	7984	24-7	1730	Wed	406/00	USB	(AB)
E11	13424	25-7	0645	Thu	512/00	USB	(AB)
E11	4909	25-7	0820	Thu	439/00	USB	(AB)
E11	12153	25-7	0845	Thu	159/00	USB	(AB)
E11	6923	25-7	0930	Thu	273/00	USB	(AB)
E11	11092	25-7	1300	Thu	587/00	USB	(AB)
E11	10356	25-7	1530	Thu	266/00	USB	(MPJ)
E11	8088	25-7	1730	Thu	413/00	USB	(AB/MPJ)
E11	7600	25-7	1900	Thu	643/00	USB	(AB)

E11	6849	26-7	0435	Fri	353/00	USB	(HFD)
E11	6849	26-7	0435	Fri	353/00	USB	(AB)
E11	10429	26-7	0715	Fri	631/00	USB	(AB)
E11	15720	26-7	0745	Fri	344/00	USB	(AB)
E11	8180	26-7	1000	Fri	300/00	USB	(AB)
E11	5409	26-7	1530	Fri	527/00	USB	(MPJ)
E11	12229	26-7	1650	Fri	927/00	USB	(AB/MPJ)
E11	9610	26-7	1910	Fri	618/00	USB	(AB-POL)
E11	6480	27-7	0710	Sat	495/00	USB	(AB)
E11	11092	27-7	1300	Sat	580/00	USB	(AB/MPJ)
E11	4783	27-7	1705	Sat	393/00	USB	(AB/MPJ)
E11	7984	27-7	1730	Sat	405/00	USB	(AB/MPJ)
E11	5082	27-7	1930	Sat	360/00	USB	(AB/MPJ)
E11	6849	28-7	0435	Sun	359/00	USB	(AB)
E11	6480	28-7	0710	Sun	497/00	USB	(AB)
E11	5737	28-7	0805	Sun	314/00	USB	(AB)
E11	5371	28-7	1605	Sun	235/00	USB	(AB/MPJ)
E11	7863	28-7	1625	Sun	970/00	USB	(AB/MPJ)
E11	12229	28-7	1650	Sun	926/00	USB	(AB/MPJ)
E11	14410	28-7	1745	Sun	244/00	USB	(AB/MPJ)
E11	9610	28-7	1910	Sun	618/00	USB	(AB-POL/MPJ)
E11	5082	28-7	1930	Sun	366/00	USB	(AB)
E11	7469	29-7	0450	Mon	410/00	USB	(HFD)
E11	7469	29-7	0450	Mon	410/00	USB	(AB/HFD)
E11	11559	29-7	0600	Mon	180/00	USB	(AB)
E11	15800	29-7	0640	Mon	948/00	USB	(AB)
E11	9610	29-7	0745	Mon	262/00	USB	(AB)
E11	7449	29-7	0900	Mon	534/00	USB	(AB)
E11	8545	29-7	1045	Mon	690/00	USB	(AB)
E11	5409	29-7	1530	Mon	524/00	USB	(AB/MPJ)
E11	14410	29-7	1745	Mon	247/00	USB	(MPJ)
E11	7600	29-7	1900	Mon	643/00	USB	(AB/GHn/MPJ)
E11	12984	30-7	1345	Tue	919/00	USB	(MPJ)
E11	5371	30-7	1605	Tue	232/00	USB	(MPJ)
E11	15800	31-7	0640	Wed	944/00	USB	(AB)
E11	15720	31-7	0745	Wed	347/00	USB	(AB)
E11	17378	31-7	0820	Wed	135/00	USB	(AB)
E11	7449	31-7	0900	Wed	537/00	USB	(AB)
E11	6923	31-7	0930	Wed	271/00	USB	(AB)

E11	6304	31-7	1205	Wed	466/00		USB	(AB/MPJ)
E11	7863	31-7	1625	Wed	970/00		USB	(AB/MPJ)
E11	4783	31-7	1705	Wed	394/00		USB	(AB/MPJ)
E11	7984	31-7	1730	Wed	403/00		USB	(AB/MPJ)
E11a	9610	1-7	0745	Mon	268/32 Attention 78494 81070 53743 ... 74308 99592 69844 Attention (message repeated)	Out	USB	(AB)
E11a	5409	1-7	1530	Mon	520/39 Attention 07154 02579 14562 ... 91138 61936 56243 Attention (message repeated)	Out	USB	(AB/MPJ-AUT)
E11a	14410	1-7	1745	Mon	248/32 Attention 59336 58572 10196 ... 06102 64772 13762 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	10429	2-7	0715	Tue	634/33 Attention 95100 67393 37987 ... 68363 71710 70765 Attention (message repeated)	Out	USB	(AB)
E11a	6304	2-7	1205	Tue	463/38 Attention 96695 70492 59549 ... 19757 26652 06160 Attention (message repeated)	Out	USB	(AB)
E11a	12630	2-7	1925	Tue	556/39 Attention 79384 18386 25785 ... 89743 34951 85967 Attention (message repeated)	Out	USB	(AB)
E11a	6304	3-7	1205	Wed	463/38 Attention 96695 70492 59549 ... 19757 26652 06160 Attention (message repeated)	Out	USB	(AB)
E11a	4783	3-7	1705	Wed	399/31 Attention 57539 16791 21284 ... 20572 93164 87556 Attention (message repeated)	Out	USB	(AB)
E11a	10356	4-7	1530	Thu	268/32 Attention 78494 81070 53743 ... 74308 99592 69844 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	12630	4-7	1925	Thu	556/39 Attention 79384 18386 25785 ... 89743 34951 85967 Attention (message repeated)	Out	USB	(AB)
E11a	10429	5-7	0715	Fri	634/33 Attention 95100 67393 37987 ... 68363 71710 70765 Attention (message repeated)	Out	USB	(AB)
E11a	5409	5-7	1530	Fri	520/39 Attention 07154 02579 14562 ... 91138 61936 56243 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	4783	6-7	1705	Sat	399/31 Attention 57539 16791 21284 ... 20572 93164 87556 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	14410	7-7	1745	Sun	248/32 Attention 59336 58572 10196 ... 06102 64772 13762 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	9610	7-7	1910	Sun	618/36 Attention ...		USB	(AB/MPJ)
E11a	7469	8-7	0450	Mon	414/32 Attention 68894 90266 69737 ... 65427 61740 34197 Attention (message repeated)	Out	USB	(AB)
E11a	7600	8-7	1900	Mon	640/36 Attention 86227 94046 44124 ... 19325 99267 98772 Attention (message repeated)	Out	USB	(AB)
E11a	8180	9-7	1000	Tue	305/24 Attention 69860 37997 95423 ... 44249 29937 86125 Attention (message repeated)	Out	USB	(AB)
E11a	4909	11-7	0820	Thu	435/35 Attention 19743 78698 68181 ... 01191 25044 00853 Attention (message repeated)	Out	USB	(AB-POL)
E11a	11092	11-7	1300	Thu	583/32 Attention 06132 55913 05852 ... 08136 71657 56553 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	8088	11-7	1730	Thu	414/32 Attention 68894 90266 69737 ... 65427 61740 34197 Attention (message repeated)	Out	USB	(MPJ)
E11a	7600	11-7	1900	Thu	640/36 Attention 86227 94046 44124 ... 19325 99267 98772 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	8180	12-7	1000	Fri	305/24 Attention 69860 37997 95423 ... 44249 29937 86125 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	12229	12-7	1650	Fri	925/33 Attention 62886 36766 16060 ... 50480 94959 25846 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	4242	12-7	2000	Fri	121/25 Attention 73467 36423 74273 ... 88285 77678 74687 Attention (message repeated)	Out	USB	(MAUK/Danix)
E11a	4146	12-7	2030	Fri	121/25 Attention 66357 27828 72757 ... 84867 46786 98401 Attention (message repeated)	Out	USB	(Danix)
E11a	6480	13-7	0710	Sat	491/35 Attention 16983 07086 53909 ... 71017 00585 20464 Attention (message repeated)	Out	USB	(AB)
E11a	5737	13-7	0805	Sat	314/36 Attention 09263 22414 85110 ... 92288 17906 25651 Attention (message repeated)	Out	USB	(AB)
E11a	11092	13-7	1300	Sat	583/32 Attention 06132 55913 05852 ... 08136 71657 56553 Attention (message repeated)	Out	USB	(AB/MPJ)
E11a	5082	13-7	1930	Sat	365/36 Attention 96286 60142 84740 ... 08383 27428 85095 Attention (message repeated)	Out	USB	(AB)
E11a	6480	14-7	0710	Sun	491/35 Attention 16983 07086 53909 ... 71017 00585 20464 Attention (message repeated)	Out	USB	(AB)
E11a	5737	14-7	0805	Sun	314/36 Attention 09263 22414 85110 ... 92288 17906 25651 Attention (message repeated)	Out	USB	(AB)
E11a	12229	14-7	1650	Sun	925/33 Attention 62886 36766 16060 ... 50480 94959 25846 Attention (message repeated)	Out	USB	(AB/MPJ/GHn)
E11a	5082	14-7	1930	Sun	365/36 Attention 96286 60142 84740 ... 08383 27428 85095 Attention (message repeated)	Out	USB	(AB)
E11a	15800	15-7	0640	Mon	941/28 Attention 04886 73747 09029 ... 21516 05943 18900 Attention (message repeated)	Out	USB	(AB)

<b>E11a</b>	13424	16-7	0645	Tue	515/33 Attention 49166 51763 47881 ... 33275 84133 21606 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	12153	16-7	0845	Tue	157/35 Attention 27309 83016 91121 ... 13101 95755 31202 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	5371	16-7	1605	Tue	236/35 Attention 27102 21848 50338 ... 68803 62571 13070 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	15720	17-7	0745	Wed	346/37 Attention 90676 62224 56046 ... 17734 32802 66525 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	6923	17-7	0930	Wed	279/39 Attention 05690 94445 04216 ... 17264 40258 90340 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	7863	17-7	1625	Wed	970/40 Attention 71937 92337 93222 ... 01370 77553 52719 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	7984	17-7	1730	Wed	404/37 Attention 28342 88204 59253 ... 75907 22376 32993 Attention (message repeated)	Out	USB	(AB/MPJ/HFD)
<b>E11a</b>	13424	18-7	0645	Thu	515/33 Attention 49166 51763 47881 ... 33275 84133 21606 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	12153	18-7	0845	Thu	157/35 Attention 27309 83016 91121 ... 13101 95755 31202 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	6923	18-7	0930	Thu	279/39 Attention 05690 94445 04216 ... 17264 40258 90340 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	15720	19-7	0745	Fri	346/37 Attention 90676 62224 56046 ... 17734 32802 66525 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	7984	20-7	1730	Sat	404/37 Attention 28342 88204 59253 ... 75907 22376 32993 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	6849	21-7	0435	Sun	353/31 Attention ...		USB	(AB)
<b>E11a</b>	5371	21-7	1605	Sun	236/35 Attention 27102 21848 50338 ... 68803 62571 13070 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	7863	21-7	1625	Sun	970/40 Attention 71937 92337 93222 ... 01370 77553 52719 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	11559	22-7	0600	Mon	182/36 Attention 35806 46116 10401 ... 92736 28283 89223 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	7449	22-7	0900	Mon	533/39 Attention 07522 71104 68517 ... 72855 04172 38930 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	8680	23-7	0700	Tue	573/31 Attention 94676 29821 25366 ... 13914 75427 56171 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	17378	23-7	0820	Tue	134/33 Attention 97329 81351 93124 ... 04480 34599 03396 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	12984	23-7	1345	Tue	911/30 Attention 44483 97987 22770 ... 68491 90702 98288 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	14575	23-7	1645	Tue	333/35 Attention 21184 70430 01580 ... 99951 38022 59468 Attention (message repeated)	Out	USB	(AB/MPJ)
<b>E11a</b>	17378	24-7	0820	Wed	134/33 Attention 97329 81351 93124 ... 04480 34599 03396 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	7449	24-7	0900	Wed	533/39 Attention 07522 71104 68517 ... 72855 04172 38930 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	14575	25-7	1645	Thu	336/50 Attention 08385 14166 19852 ... 34513 84983 71641 Attention (message repeated)	Out	USB	(AB-POL/MPJ)
<b>E11a</b>	11559	26-7	0600	Fri	182/36 Attention 35806 46116 10401 ... 92736 28283 89223 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	8680	26-7	0700	Fri	573/31 Attention 94676 29821 25366 ... 13914 75427 56171 Attention (message repeated)	Out	USB	(AB)
<b>E11a</b>	12984	27-7	1345	Sat	911/30 Attention 44483 97987 22770 ... 68491 90702 98288 Attention (message repeated)	Out	USB	(MPJ)
<b>E11a</b>	8545	31-7	1045	Wed	690/23 Attention 07446 92447 57635 ... 84881 94943 21243 Attention (message repeated)	Out	USB	(AB)
<b>E17z</b>	12851	4-7	0800	Thu	674 298 5 33640 38293 43330 32403 88443 298 5 00000		AM/USB	(AB)
<b>E17z</b>	16781	4-7	0800	Thu	674 298 5 33640 38293 43330 32403 88443 298 5 00000		AM/USB	(AB)
<b>E17z</b>	12851	11-7	0800	Thu	674 298 5 33640 38293 43330 32403 88443 298 5 00000		AM/USB	(AB)
<b>E17z</b>	16781	11-7	0800	Thu	674 298 5 33640 38293 43330 32403 88443 298 5 00000		AM/USB	(AB)
<b>E17z</b>	12851	18-7	0800	Thu	674 801 5 11171 64385 82707 06123 22536 801 5 00000		AM/USB	(AB)
<b>E17z</b>	16781	18-7	0800	Thu	674 801 5 11171 64385 82707 06123 22536 801 5 00000		AM/USB	(AB-G)
<b>E17z</b>	12851	25-7	0800	Thu	674 801 5 11171 64385 82707 06123 22536 801 5 00000		AM/USB	(AB)
<b>E17z</b>	16781	25-7	0800	Thu	674 801 5 11171 64385 82707 06123 22536 801 5 00000		AM/USB	(AB)
<b>EGY</b>	8089.7	11-7	1654	Thu	Egyptian diplo i.p.		SITOR-A 100/170	(AB/MPJ)
<b>EGY</b>	8088	11-7	1658	Thu	99904: MFA Cairo clg 99903: MFA Cairo over and over. Probably a test		Codan chirp	(AB)
<b>EGY</b>	16065.7	17-7	0805	Wed	Egyptian diplo i.p.		SITOR-A	(SP1)

<b>F01</b>	14829	3-7	1840	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/RL/HFD)
<b>F01</b>	12214	3-7	1850	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/RL/HFD)
<b>F01</b>	10923	3-7	1900	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/HFD)
<b>F01</b>	14878	8-7	0025	Mon	Russian diplo/intel. Header: 11177 00117 97639 05033 02469	FSK 200/500	(AB-USA)
<b>F01</b>	12185	8-7	0035	Mon	Russian diplo/intel. Header: 11177 00117 97639 05033 02469	FSK 200/500	(AB-USA)
<b>F01</b>	14878	8-7	0125	Mon	Russian diplo/intel. Header: 11177 00117 97639 05033 02469	FSK 200/500	(AB-USA)
<b>F01</b>	12185	8-7	0135	Mon	Russian diplo/intel. Header: 11177 00117 97639 05033 02469	FSK 200/500	(AB-USA)
<b>F01</b>	14878	15-7	0025	Mon	Russian diplo/intel. Header: 11177 00117 34953 12034 01179	FSK 200/500	(AB-USA)
<b>F01</b>	12185	15-7	0035	Mon	Russian diplo/intel. Header: 11177 00117 34953 12034 01179	FSK 200/500	(AB-USA)
<b>F01</b>	14878	15-7	0125	Mon	Russian diplo/intel. Header: 11177 00117 34953 12034 01179	FSK 200/500	(AB-USA)
<b>F01</b>	12185	15-7	0135	Mon	Russian diplo/intel. Header: 11177 00117 34953 12034 01179	FSK 200/500	(AB-USA)
<b>F01</b>	14878	22-7	0025	Mon	Russian diplo/intel. Header: 11177 00117 59127 19035 01759	FSK 200/500	(AB-USA)
<b>F01</b>	12185	22-7	0035	Mon	Russian diplo/intel. Header: 11177 00117 59127 19035 01759	FSK 200/500	(AB-USA)
<b>F01</b>	14878	22-7	0125	Mon	Russian diplo/intel. Header: 11177 00117 59127 19035 01759	FSK 200/500	(AB-USA)
<b>F01</b>	12185	22-7	0135	Mon	Russian diplo/intel. Header: 11177 00117 59127 19035 01759	FSK 200/500	(AB-USA)
<b>F01</b>	14878	29-7	0125	Mon	Russian diplo/intel. Header: 11177 00117 10125 25036 02669	FSK 200/500	(AB-USA)
<b>F01</b>	12185	29-7	0135	Mon	Russian diplo/intel. Header: 11177 00117 10125 25036 02669	FSK 200/500	(AB-USA)
<b>F03a</b>	17410	1-7	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	1-7	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	2-7	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	2-7	0805	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	2-7	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	2-7	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	3-7	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	3-7	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	3-7	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	3-7	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	4-7	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	4-7	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	4-7	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	4-7	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	16335	5-7	1330	Fri	Polish Intel.	FSK-2 100/200	(AB/MPJ)
<b>F03a</b>	16335	5-7	1335	Fri	Polish Intel.	FSK-2 100/200	(AB/MPJ)
<b>F03a</b>	17410	8-7	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	8-7	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	10-7	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	17410	10-7	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	10-7	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	10-7	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)

F03a	12385	11-7	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	11-7	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	11-7	1830	Thu	Polish Intel.	FSK-2 100/200	(AB/MPJ)
F03a	6304	11-7	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	12-7	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	12-7	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	15-7	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	15-7	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	15-7	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	15-7	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	16-7	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	16-7	0805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	16-7	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	16-7	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	17-7	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	17-7	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	18-7	1800	Thu	Polish Intel.	FSK-2 100/200	(AB/MPJ)
F03a	12385	18-7	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	18-7	1830	Thu	Polish Intel.	FSK-2 100/200	(AB/MPJ)
F03a	6304	18-7	1835	Thu	Polish Intel.	FSK-2 100/200	(AB/MPJ)
F03a	16335	19-7	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	19-7	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	22-7	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	22-7	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	22-7	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	22-7	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	23-7	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	23-7	0805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	23-7	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	23-7	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	24-7	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	24-7	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	25-7	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	25-7	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	25-7	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	25-7	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	26-7	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	26-7	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	29-7	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)



<b>F03a</b>	17410	29-7	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	29-7	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	6304	29-7	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	30-7	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	12385	30-7	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	31-7	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	18030	31-7	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	16335	31-7	1330	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03a</b>	16335	31-7	1335	Wed	Polish Intel.	FSK-2 100/200	(AB)
<b>F03c</b>	10210	1-7	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	1-7	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	8-7	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	8-7	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	12-7	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	12-7	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	15-7	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	15-7	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	19-7	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	19-7	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	22-7	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	22-7	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	26-7	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	26-7	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	29-7	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03c</b>	10210	29-7	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
<b>F03d</b>	9150	11-7	1100	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	11-7	1105	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	15-7	1100	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	15-7	1105	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	18-7	1100	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	18-7	1105	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	22-7	1100	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB/MPJ)
<b>F03d</b>	9150	22-7	1105	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB/MPJ)
<b>F03d</b>	9150	25-7	1100	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	25-7	1105	Thu	Polish Intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03d</b>	9150	29-7	1100	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB/MPJ)
<b>F03d</b>	9150	29-7	1105	Mon	Polish Intel.	FSK-2 200Bd/400Hz	(AB/MPJ)
<b>F03f</b>	10210	1-7	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
<b>F03f</b>	10210	1-7	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)

F03f	10210	8-7	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	8-7	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	11-7	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	11-7	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	15-7	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	15-7	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	18-7	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	18-7	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	22-7	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	22-7	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	25-7	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	25-7	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	29-7	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	29-7	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03g	17410	2-7	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	2-7	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	4-7	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	4-7	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	11-7	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	11-7	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	16-7	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	16-7	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	18-7	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	18-7	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	23-7	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	23-7	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	24-7	0625	Wed	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	24-7	0630	Wed	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	25-7	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	25-7	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	31-7	0625	Wed	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	31-7	0630	Wed	Polish Intel.	FSK-4 100/200	(AB)
F03i	6433	3-7	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	3-7	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	9-7	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	9-7	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	10-7	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	10-7	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/SP1)
F03i	6433	16-7	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)



<b>F03i</b>	6433	16-7	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
<b>F03i</b>	6433	17-7	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	17-7	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	23-7	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	23-7	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	24-7	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	24-7	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
<b>F03i</b>	6433	31-7	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
<b>F03i</b>	6433	31-7	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
<b>F03j</b>	8423	1-7	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	1-7	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	2-7	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	2-7	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	2-7	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	2-7	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	3-7	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	3-7	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	3-7	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	3-7	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	4-7	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	4-7	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	4-7	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	4-7	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	4-7	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	4-7	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	8-7	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	8-7	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	11450	9-7	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	11450	9-7	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	10-7	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	10-7	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	10-7	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	10-7	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	11-7	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8803	11-7	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	11-7	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	12385	11-7	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	11-7	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	11-7	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)

F03j	11450	12-7	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	12-7	0950	Fri	Polish Intel.	FSK-4 100/400	(AB/MPJ)
F03j	8423	15-7	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	15-7	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	16-7	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	16-7	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	16-7	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	16-7	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	16-7	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	16-7	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	17-7	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	17-7	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	17-7	1030	Wed	Polish Intel.	FSK-4 100/400	(AB/MPJ)
F03j	8423	17-7	1035	Wed	Polish Intel.	FSK-4 100/400	(AB/MPJ)
F03j	8803	18-7	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	18-7	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	18-7	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	18-7	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	18-7	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	18-7	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	19-7	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	19-7	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	22-7	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	22-7	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	23-7	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	23-7	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	23-7	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	23-7	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	23-7	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	23-7	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	24-7	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	24-7	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	24-7	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	24-7	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	25-7	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	25-7	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	25-7	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	25-7	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	25-7	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)

<b>F03j</b>	6304	25-7	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	13911	26-7	0620	Fri	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	13911	26-7	0625	Fri	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	11450	26-7	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	11450	26-7	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	13911	29-7	0620	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	13911	29-7	0625	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	8423	29-7	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	29-7	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	31-7	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	6304	31-7	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	31-7	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F03j</b>	8423	31-7	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
<b>F06</b>	19535	2-7	1650	Tue	Russian diplo/intel. 11166 10053 15478 02070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	16348	2-7	1700	Tue	Russian diplo/intel. 11166 10053 15478 02070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	13588	2-7	1710	Tue	Russian diplo/intel. 11166 10053 15478 02070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	17419	3-7	0600	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-J)
<b>F06</b>	17419	3-7	0600	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-J)
<b>F06</b>	15707	3-7	0610	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-KOR)
<b>F06</b>	15707	3-7	0610	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-J)
<b>F06</b>	13446	3-7	0620	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-RUS)
<b>F06</b>	13446	3-7	0620	Wed	Russian diplo/intel. Header: 11166 40122 78324 29038 03909	FSK 200/1000	(AB-J)
<b>F06</b>	11546	4-7	0800	Thu	Russian diplo/intel. 11166 70048 78965 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9974	4-7	0810	Thu	Russian diplo/intel. 11166 70048 78965 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7915	4-7	0820	Thu	Russian diplo/intel. 11166 70048 78965 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	13814	4-7	1330	Thu	Russian diplo/intel. 11166 80214 79461 04036 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	11643	4-7	1340	Thu	Russian diplo/intel. 11166 80214 79461 04036 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9925	4-7	1350	Thu	Russian diplo/intel. 11166 80214 79461 04036 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	18516	6-7	2100	Sat	Russian diplo/intel. 11166 40133 24579 06038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	14878	6-7	2110	Sat	Russian diplo/intel. 11166 40133 24579 06038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	12119	6-7	2120	Sat	Russian diplo/intel. 11166 40133 24579 06038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	19466	7-7	1530	Sun	Russian diplo/intel. 11166 10053 17935 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16189	7-7	1540	Sun	Russian diplo/intel. 11166 10053 17935 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	13576	7-7	1550	Sun	Russian diplo/intel. 11166 10053 17935 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	11469	9-7	0030	Tue	Russian diplo/intel. 11166 60070 78963 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9293	9-7	0040	Tue	Russian diplo/intel. 11166 60070 78963 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7843	9-7	0050	Tue	Russian diplo/intel. 11166 60070 78963 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	19535	9-7	1650	Tue	Russian diplo/intel. 11166 10053 79631 09001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	16348	9-7	1700	Tue	Russian diplo/intel. 11166 10053 79631 09001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)

<b>F06</b>	13588	9-7	1710	Tue	Russian diplo/intel. 11166 10053 79631 09001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	17419	10-7	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	15707	10-7	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	13446	10-7	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	15634	10-7	0800	Wed	Russian diplo/intel. 11166 00052 13579 10041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	13596	10-7	0810	Wed	Russian diplo/intel. 11166 00052 13579 10041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	11466	10-7	0820	Wed	Russian diplo/intel. 11166 00052 13579 10041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	14948	10-7	0915	Wed	Russian diplo/intel. 11166 10031 78451 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	12176	10-7	0925	Wed	Russian diplo/intel. 11166 10031 78451 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	10177	10-7	0935	Wed	Russian diplo/intel. 11166 10031 78451 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	17419	11-7	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	15707	11-7	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	13446	11-7	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 69872 06039 03029 and 11166 40122 16349 06040 02989	FSK 200/1000	(AB-J)
<b>F06</b>	11546	11-7	0800	Thu	Russian diplo/intel. 11166 70048 14279 11016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9974	11-7	0810	Thu	Russian diplo/intel. 11166 70048 14279 11016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7915	11-7	0820	Thu	Russian diplo/intel. 11166 70048 14279 11016 00049 00000 00000 00000 00000	FSK 200/1000	(AB/SP1)
<b>F06</b>	13814	11-7	1330	Thu	Russian diplo/intel. 11166 80214 71629 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	11643	11-7	1340	Thu	Russian diplo/intel. 11166 80214 71629 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9925	11-7	1350	Thu	Russian diplo/intel. 11166 80214 71629 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	15980	12-7	1300	Fri	Russian diplo/intel, Havana, CUB. 11100 00128 79365 12005 01039	FSK 200/1000	(Danix-USA)
<b>F06</b>	18516	13-7	2100	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
<b>F06</b>	14878	13-7	2110	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
<b>F06</b>	12119	13-7	2120	Sat	Russian diplo/intel. 11166 40133 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	19466	14-7	1530	Sun	Russian diplo/intel. 11166 10053 35741 14066 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16189	14-7	1540	Sun	Russian diplo/intel. 11166 10053 35741 14066 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ/SP1)
<b>F06</b>	13576	14-7	1550	Sun	Russian diplo/intel. 11166 10053 35741 14066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/SP1)
<b>F06</b>	10538	15-7	0400	Mon	Russian diplo/intel. 11166 70059 97531 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	8107	15-7	0410	Mon	Russian diplo/intel. 11166 70059 97531 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6791	15-7	0420	Mon	Russian diplo/intel. 11166 70059 97531 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	11469	16-7	0030	Tue	Russian diplo/intel. 11166 60070 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9293	16-7	0040	Tue	Russian diplo/intel. 11166 60070 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7843	16-7	0050	Tue	Russian diplo/intel. 11166 60070 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	19535	16-7	1650	Tue	Russian diplo/intel. 11166 10053 79165 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-AUT)

F06	16348	16-7	1700	Tue	Russian diplo/intel. 11166 10053 79165 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	13588	16-7	1710	Tue	Russian diplo/intel. 11166 10053 79165 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	17419	17-7	0600	Wed	Russian diplo/intel. 11166 40122 17258 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	15707	17-7	0610	Wed	Russian diplo/intel. 11166 40122 17258 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	13446	17-7	0620	Wed	Russian diplo/intel. 11166 40122 17258 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	11546	18-7	0800	Thu	Russian diplo/intel. 11166 70048 97531 18016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9974	18-7	0810	Thu	Russian diplo/intel. 11166 70048 97531 18016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7915	18-7	0820	Thu	Russian diplo/intel. 11166 70048 97531 18016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13814	18-7	1330	Thu	Russian diplo/intel. 11166 80214 78523 18081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11643	18-7	1340	Thu	Russian diplo/intel. 11166 80214 78523 18081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9925	18-7	1350	Thu	Russian diplo/intel. 11166 80214 78523 18081 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18516	20-7	2100	Sat	Russian diplo/intel. 11166 40133 78963 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14878	20-7	2110	Sat	Russian diplo/intel. 11166 40133 78963 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12119	20-7	2120	Sat	Russian diplo/intel. 11166 40133 78963 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	19466	21-7	1530	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	16189	21-7	1540	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	13576	21-7	1550	Sun	Russian diplo/intel. 11166 10053 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19535	23-7	1650	Tue	Russian diplo/intel. 11166 10053 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16348	23-7	1700	Tue	Russian diplo/intel. 11166 10053 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13588	23-7	1710	Tue	Russian diplo/intel. 11166 10053 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17419	24-7	0600	Wed	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	15707	24-7	0610	Wed	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	13446	24-7	0620	Wed	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	15634	24-7	0800	Wed	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	13596	24-7	0810	Wed	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	11466	24-7	0820	Wed	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	14948	24-7	0915	Wed	Russian diplo/intel. 11166 10031 78963 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12176	24-7	0925	Wed	Russian diplo/intel. 11166 10031 78963 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10177	24-7	0935	Wed	Russian diplo/intel. 11166 10031 78963 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17419	25-7	0600	Thu	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	15707	25-7	0610	Thu	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	13446	25-7	0620	Thu	Russian diplo/intel. Header: 11166 40122 74236 20041 04179	FSK 200/1000	(AB-J)
F06	11546	25-7	0800	Thu	Russian diplo/intel. 11166 70048 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15634	25-7	0800	Thu	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	9974	25-7	0810	Thu	Russian diplo/intel. 11166 70048 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13596	25-7	0810	Thu	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	7915	25-7	0820	Thu	Russian diplo/intel. 11166 70048 56248 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11466	25-7	0820	Thu	Russian diplo/intel. Header: 11166 00052 36947 24041 02519	FSK 200/1000	(AB)
F06	13814	25-7	1330	Thu	Russian diplo/intel. 11166 80214 53726 25056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	11643	25-7	1340	Thu	Russian diplo/intel. 11166 80214 53726 25056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9925	25-7	1350	Thu	Russian diplo/intel. 11166 80214 53726 25056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18516	27-7	2100	Sat	Russian diplo/intel. 11166 40133 14279 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14878	27-7	2110	Sat	Russian diplo/intel. 11166 40133 14279 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	12119	27-7	2120	Sat	Russian diplo/intel. 11166 40133 14279 27038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	19466	28-7	1530	Sun	Russian diplo/intel. 11166 10053 71456 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16189	28-7	1540	Sun	Russian diplo/intel. 11166 10053 71456 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	13576	28-7	1550	Sun	Russian diplo/intel. 11166 10053 71456 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19535	30-7	1650	Tue	Russian diplo/intel. 11166 10053 13579 30070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16348	30-7	1700	Tue	Russian diplo/intel. 11166 10053 13579 30070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	13588	30-7	1710	Tue	Russian diplo/intel. 11166 10053 13579 30070 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	17419	31-7	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-RUS)
F06	15707	31-7	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-RUS)
F06	13446	31-7	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-RUS)
G06	7320	1-7	0800	Mon	329 329 329 00000	USB	(AB)
G06	5344	1-7	1700	Mon	145 145 145 00000	USB	(AB)
G06	5344	1-7	1706	Mon	111 11	USB	(AB)
G06	5915	1-7	1800	Mon	145 145 145 00000 Windows shut down sound	USB	(AB/MPJ)
G06	7531	3-7	1200	Wed	245 145 145 00000	USB	(AB)
G06	6981	3-7	1211	Wed	111 111 111 00000	USB	(AB)
G06	6981	3-7	1251	Wed	111 111 111 0	USB	(AB)
G06	6981	3-7	1259	Wed	145 145 145 00000	USB	(AB/HFD)
G06	5890	4-7	1300	Thu	329 329 329 00000	USB	(AB-POL)
G06	5344	8-7	1647	Mon	Test: 11	USB	(AB)
G06	5344	8-7	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	5344	8-7	1706	Mon	Test: 111 (R4) 981 981 43	USB	(AB)
G06	5915	8-7	1800	Mon	145 145 145 00000. Windows shut down sound	USB	(AB/MPJ)
G06	7531	10-7	1200	Wed	145 145 145 00000	USB	(AB/MPJ)
G06	6981	10-7	1213	Wed	111 111 111 00000	USB	(AB)
G06	6981	10-7	1300	Wed	145 145 145 00000	USB	(AB/MPJ)
G06	6887	11-7	1830	Thu	842 996 996 15 15 = = 15830 48648 48642 68751 59874 18789 87542 97893 48972 89724 48644 18948 17425 88423 18684 996 996 15 15 00000	USB	(AB/MPJ)
G06	5943	12-7	1919	Fri	Test: 111 111 111 111 111 11	USB	(AB)
G06	5943	12-7	1930	Fri	218 974 42 45671 65736 96930 ... 57693 48690 03856 974 42 00000. Windows shut down sound	USB	(AB)
G06	7320	15-7	0800	Mon	329 329 329 00000. Windows shut down sound	USB	(AB)



<b>G06</b>	5890	18-7	1300	Thu	329 329 329 00000. Windows shutdown sound	USB	(AB)
<b>G06</b>	6887	25-7	1830	Thu	842 974 42 45671 65736 96930 ... 57693 48690 03856 974 42 00000	USB	(AB/GHn/MPJ)
<b>G06</b>	5951	26-7	1941	Fri	i.p. 218 978 44 11532 ... 66753 78203 80329 38780 978 44 00000	USB	(AB)
<b>HM01</b>	11435	1-7	1559	Mon	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	11435	2-7	1628	Tue	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	9065	3-7	0758	Wed	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
<b>HM01</b>	11435	3-7	1558	Wed	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	11435	4-7	1559	Thu	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	10860	5-7	0501	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
<b>HM01</b>	11435	5-7	1558	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	10715	5-7	2156	Fri	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RL)
<b>HM01</b>	11435	6-7	1600	Sat	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	11435	7-7	1558	Sun	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	11435	8-7	1602	Mon	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	11635	9-7	1802	Tue	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(RR2)
<b>HM01</b>	9065	10-7	0758	Wed	76567 22185 10211 61712 01551 64443 (repeated groups of 19 June)	AM/RDFT	(AB)
<b>HM01</b>	11435	10-7	1600	Wed	53361 51751 18663 67535 77004 37167	AM/RDFT	(RR2)
<b>HM01</b>	11530	11-7	1700	Thu	53362 51752 18664 67536 77005 47461	AM/RDFT	(RR2)
<b>HM01</b>	11435	12-7	1600	Fri	53363 51753 18665 67537 77006 47461	AM/RDFT	(RR2)
<b>HM01</b>	11635	13-7	1756	Sat	53364 51754 18666 33351 77007 47462	AM/RDFT	(RR2)
<b>HM01</b>	11435	14-7	1557	Sun	53365 51755 18667 33351 77008 47463	AM/RDFT	(RR2)
<b>HM01</b>	11435	15-7	1558	Mon	53366 51756 56861 33352 18711 47464	AM/RDFT	(RR2)
<b>HM01</b>	11435	16-7	1555	Tue	53367 51757 56861 33353 18711 47465	AM/RDFT	(RR2)
<b>HM01</b>	17480	16-7	2156	Tue	53367 51757 56861 33353 18711 47465	AM/RDFT	(RL)
<b>HM01</b>	11435	17-7	1558	Wed	53368 51758 56862 33354 18712 47466	AM/RDFT	(RR2)
<b>HM01</b>	11635	17-7	2056	Wed	53368 51758 56862 33354 18712 47466	AM/RDFT	(RL)
<b>HM01</b>	11435	18-7	1558	Thu	88651 05171 56863 33355 18713 47467	AM/RDFT	(RR2)
<b>HM01</b>	9330	19-7	0658	Fri	88651 05171 56863 33355 18713 47467	AM/RDFT	(AB)
<b>HM01</b>	9065	19-7	0758	Fri	88651 05171 56863 33355 18713 47467	AM/RDFT	(AB)
<b>HM01</b>	11435	19-7	1556	Fri	88651 05171 56864 33356 18714 71211	AM/RDFT	(RR2)
<b>HM01</b>	11635	19-7	2056	Fri	88651 05171 56864 33356 18714 71211	AM/RDFT	(RL)
<b>HM01</b>	11435	20-7	1600	Sat	88652 05172 56865 33357 18715 71211	AM/RDFT	(RR2)
<b>HM01</b>	11435	21-7	1600	Sun	Not heard at 1600 but the repeat at 1625 UTC was on the air: 88653 05173 56866 84121 18716 71212	AM/RDFT	(RR2)
<b>HM01</b>	10715	21-7	2200	Sun	18716 71212 88653 05173 56866 84121	AM/RDFT	(Dan)
<b>HM01</b>	11530	22-7	1700	Mon	Started while in progress. 88654 05174 56867 84121 18717 71213. No transmissions heard at 1600 and 1625 UTC	AM/RDFT	(RR2)
<b>HM01</b>	11435	23-7	1555	Tue	88655 05175 56868 84122 37051 71214	AM/RDFT	(RR2)
<b>HM01</b>	11435	24-7	1556	Wed	88656 05176 56869 84123 37051 71215	AM/RDFT	(RR2)

HM01	11435	25-7	1558	Thu	88651 05171 56863 33355 18713 47467	AM/RDFT	(RR2)
HM01	11530	25-7	1657	Thu	88657 05177 45381 84124 37052 71216	AM/RDFT	(RR2)
HM01	11635	26-7	1828	Fri	27801 05178 45381 84125 37053 71217	AM/RDFT	(RR2)
HM01	11435	27-7	1555	Sat	27801 85111 45382 84126 37054 71218	AM/RDFT	(RR2)
HM01	11435	28-7	1555	Sun	27802 85111 45383 84127 37055 71219	AM/RDFT	(RR2)
HM01	11635	28-7	2056	Sun	27802 85111 45383 84127 37055 71219	AM/RDFT	(RL)
HM01	11435	29-7	1600	Mon	Radio Habana Cuba followed by Windows error sounds, then repeating 28 July's groups: 27802 85111 45383 84127 37055 71219	AM/RDFT	(RR2)
HM01	11635	29-7	2056	Mon	27802 85111 45383 84127 37055 71219	AM/RDFT	(RL)
HM01	11530	30-7	1656	Tue	27802 85111 45383 84127 37055 71219 (repeating 28 July's groups)	AM/RDFT	(RR2)
HM01	11435	31-7	1622	Wed	71875 36551 86325 55633 85266 35553	AM/RDFT	(RR2)
HM01	11635	31-7	2054	Wed	71875 36551 86325 55633 85266 35553	AM/RDFT	(RL)
HM01	10715	31-7	2154	Wed	71875 36551 86325 55633 85266 35553	AM/RDFT	(RL)
Jammer	3480	9-7	1546	Tue	N. Korea jammer on Voice of The People (Korea)	AM	(BW3-J)
Jammer	6135	17-7	0045	Wed	North Korean jammer	AM	(BW3-J)
Jammer	3985	18-7	1820	Thu	North Korean jammer on Echo of Hope broadcast	AM	(BW3-J)
Jammer	3480	18-7	1822	Thu	North Korean jammer on Voice of the People	AM	(BW3-J)
M01	5280	2-7	1800	Tue	025 221 221 30 30 = = 05402 23096 65406 ... 83753 79070 00924 221 221 30 30 000 (Some groups not repeated)	CW	(MPJ)
M01	5280	4-7	1800	Thu	025 127 127 30 30 = = = = 29671 18666 05297 ... 19035 15518 16930 = = = = 127 127 30 30 000000	CW	(AB/MPJ)
M01	4905	4-7	2000	Thu	025 305 305 30 30 = = = = 31585 65424 79989 ... 43649 10616 83091 = = = = 305 305 30 000 Errors. Some groups were not repeated. 1x 30 at the end.	CW	(AB)
M01	6435	6-7	1500	Sat	025 317 317 30 30 = = 26415 01957 52527 (500527) ... 13689 43810 84070 (844070) = = 317 317 30 30 000	CW	(MPJ)
M01	6780	7-7	0700	Sun	025 329 30 = 01799 ...	CW	(HFD)
M01	5280	9-7	1800	Tue	025 01 01 101 30 30 95246 98229 55820 ... 81100 6079 (4LG sent & repeated) 91415 = = 101 101 30 30 000	CW	(MPJ)
M01	5280	11-7	1800	Thu	VVV VVV VVV 025 734 734 30 30 = = 20161 93338 81802 ... 1655 55845 38188 = = 734 734 30 000. Errors	CW	(AB/MPJ)
M01	4905	11-7	2000	Thu	025 717 717 30 30 = = 23739 78886 04762 ... 84732 35038 33808 = = 717 717 30 30 000. Errors	CW	(AB)
M01	6435	13-7	1500	Sat	025 307 307 30 30 = = 98704 24998 58751 ... 49881 43158 78788 = = 307 307 30 30 000	CW	(AB/SP1/MPJ)
M01	6780	14-7	0700	Sun	025 131 131 30 30 = = = = 87345 77542 20752 ... 69121 69198 92533 = = = = 131 131 30 30 000	CW	(AB/ES-HOL)
M01	5280	16-7	1800	Tue	025 727 727 = 30 30 = 43477 62586 81813 ... 58300 02118 34071 = = 127 127 = 30 30 000	CW	(AB/MPJ)
M01	4905	16-7	2000	Tue	025 218 218 = 30 30 = = 85748 58579 90380 ... 64917 43887 54362 = 218 218 = 30 30 000	CW	(AB)
M01	5280	18-7	1800	Thu	025 217 217 30 30 = = = = 97560 36642 73306 ... 11833 76809 97867 = = = = 217 217 30 30 000	CW	(AB/MPJ)
M01	6435	20-7	1500	Sat	025 223 223 30 30 = = 82069 70979 77435 ... 93324 81436 08003 = = 223 223 30 30 000	CW	(AB/MPJ)
M01	6780	21-7	0700	Sun	025 731 731 30 30 = = 56200 30069 98653 ... 42643 01483 88339 = = 731 731 30 30 000. Two 4-figure groups	CW	(AB)



<b>M01</b>	5280	23-7	1800	Tue	025 412 412 30 30 == 43819 54396 (54397) 4317 (43417) ... 74409 24375 67307 == 412 412 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5280	25-7	1800	Thu	025 297 297 30 30 == 40049 76411 04272 ... 79978 49700 30373 == 297 297 30 30 000	CW	(AB/MPJ)
<b>M01</b>	6435	27-7	1505	Sat	025 311 311 30 30 == 06984 55846 63360 ... 88457 55477 58651 == 311 311 30 30 000	CW	(MPJ)
<b>M01</b>	6780	28-7	0711	Sun	i.p.	CW	(AB)
<b>M01</b>	5280	30-7	1800	Tue	025 221 221 30 30 == 11612 91264 70970 ... 05779 47022 42778 == 221 221 30 30 000	CW	(AB/MPJ)
<b>M01b</b>	5125	1-7	1810	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5735 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5735	1-7	1810	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5125 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5150	1-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5475 kHz	MCW	(MPJ)
<b>M01b</b>	5475	1-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5150 kHz	MCW	(MPJ)
<b>M01b</b>	5095	4-7	1830	Thu	815 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5760 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5760	4-7	1830	Thu	815 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5095 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5075	5-7	1902	Fri	336 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5465 kHz	MCW	(MPJ)
<b>M01b</b>	5465	5-7	1902	Fri	336 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5075 kHz	MCW	(MPJ)
<b>M01b</b>	4895	5-7	2010	Fri	467 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5340 kHz	MCW	(AB)
<b>M01b</b>	5340	5-7	2010	Fri	467 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //4895 kHz	MCW	(AB)
<b>M01b</b>	5125	8-7	1810	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5735 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5735	8-7	1810	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5125 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5150	8-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5475 kHz	MCW	(MPJ)
<b>M01b</b>	5475	8-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5150 kHz	MCW	(MPJ)
<b>M01b</b>	5095	11-7	1830	Thu	815 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5760 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5760	11-7	1830	Thu	815 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000 //5095 kHz	MCW	(AB/MPJ)
<b>M01b</b>	5065	11-7	1940	Thu	936 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW	(AB)



					//5760 kHz			
<b>M01b</b>	5760	25-7	1830	Thu	815 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB/MPJ)
					//5095 kHz			
<b>M01b</b>	5065	25-7	1940	Thu	936 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB)
					//5805 kHz			
<b>M01b</b>	5805	25-7	1940	Thu	936 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB)
					//5065 kHz			
<b>M01b</b>	5075	26-7	1902	Fri	336 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB/MPJ)
					//5465 kHz			
<b>M01b</b>	5465	26-7	1902	Fri	336 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB/MPJ)
					//5075 kHz			
<b>M01b</b>	4895	26-7	2010	Fri	467 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB)
					//5340 kHz			
<b>M01b</b>	5340	26-7	2010	Fri	467 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB)
					//4895 kHz			
<b>M01b</b>	5125	29-7	1808	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(MPJ)
					//5735 kHz			
<b>M01b</b>	5735	29-7	1808	Mon	364 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(MPJ)
					//5125 kHz			
<b>M01b</b>	5150	29-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB/MPJ)
					//5475 kHz			
<b>M01b</b>	5475	29-7	1915	Mon	858 535 535 31 31 == 83022 02388 04791 ... 75686 80975 90714 == 535 535 31 31 00000	MCW		(AB/MPJ)
					//5150 kHz			
<b>M12</b>	15821	1-7	1400	Mon	892 892 892 000	CW		(AB/MPJ)
<b>M12</b>	13921	1-7	1420	Mon	892 892 892 000	CW		(AB/MPJ)
<b>M12</b>	11435	1-7	1710	Mon	938 938 938 1 4994 110 4994 110 71065 25281 75937 ... 94204 90920 99511 000 000	CW		(AB/MPJ)
<b>M12</b>	10598	1-7	1730	Mon	938 938 938 1 4994 110 4994 110 71065 25281 75937 ... 94204 90920 99511 000 000	CW		(AB/MPJ)
<b>M12</b>	9327	1-7	1750	Mon	938 938 938 1 4994 110 4994 110 71065 25281 75937 ... 94204 90920 99511 000 000	CW		(AB/MPJ)
<b>M12</b>	8047	1-7	1800	Mon	463 463 463 1 2526 99 2526 99 34039 40201 98246 ... 21238 35876 21692 000 000	CW		(AB/MPJ)
<b>M12</b>	6802	1-7	1820	Mon	463 463 463 1 2526 99 2526 99 34039 40201 98246 ... 21238 35876 21692 000 000	CW		(AB/MPJ)
<b>M12</b>	5788	1-7	1840	Mon	463 463 463 1 2526 99 2526 99 34039 40201 98246 ... 21238 35876 21692 000 000	CW		(AB/MPJ)
<b>M12</b>	10343	1-7	2000	Mon	124 124 124 1 8031 105 8031 105 27059 28277 76796 ... 62722 66012 75741 000 000	CW		(AB/RL)
<b>M12</b>	9264	1-7	2020	Mon	124 124 124 1 8031 105 8031 105 27059 28277 76796 ... 62722 66012 75741 000 000	CW		(AB/RL)
<b>M12</b>	8116	1-7	2040	Mon	124 124 124 1 8031 105 8031 105 27059 28277 76796 ... 62722 66012 75741 000 000	CW		(AB/RL)
<b>M12</b>	13381	1-7	2110	Mon	317 317 317 000	CW		(AB/RL)
<b>M12</b>	12181	1-7	2130	Mon	317 317 317 000	CW		(AB/RL)
<b>M12</b>	9317	2-7	0530	Tue	135 135 135 1 6004 109 6004 109 70154 01583 76647 ...96469 24679 79653 000 000	CW		(AB)
<b>M12</b>	10484	2-7	0550	Tue	135 135 135 1 6004 109 6004 109 70154 01583 76647 ...96469 24679 79653 000 000	CW		(AB)
<b>M12</b>	11552	2-7	0610	Tue	135 135 135 1 6004 109 6004 109 70154 01583 76647 ...96469 24679 79653 000 000	CW		(AB)

<b>M12</b>	11435	2-7	1800	Tue	938 938 938 1 4950 110 4950 110 93899 63388 20726 ... 23976 06564 21627 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	2-7	1820	Tue	938 938 938 1 4950 110 4950 110 93899 63388 20726 ... 23976 06564 21627 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	2-7	1840	Tue	938 938 938 1 4950 110 4950 110 93899 63388 20726 ... 23976 06564 21627 000 000	CW	(AB/MPJ)
<b>M12</b>	13423	3-7	1210	Wed	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(HFD)
<b>M12</b>	12123	3-7	1230	Wed	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(HFD)
<b>M12</b>	11523	3-7	1250	Wed	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(AB/HFD)
<b>M12</b>	15821	3-7	1400	Wed	892 892 892 000	CW	(AB)
<b>M12</b>	13921	3-7	1420	Wed	892 892 892 000	CW	(AB)
<b>M12</b>	12162	3-7	1710	Wed	546 546 546 1 9230 111 9230 111 80849 30488 15352 ... 55306 96231 61922 000 000	CW	(AB)
<b>M12</b>	11566	3-7	1730	Wed	546 546 546 1 9230 111 9230 111 80849 30488 15352 ... 55306 96231 61922 000 000	CW	(AB)
<b>M12</b>	10711	3-7	1750	Wed	546 546 546 1 9230 111 9230 111 80849 30488 15352 ... 55306 96231 61922 000 000	CW	(AB)
<b>M12</b>	16323	3-7	1950	Wed	395 395 395 000	CW	(AB/RL/HFD)
<b>M12</b>	14923	3-7	2010	Wed	395 395 395 000	CW	(AB/RL/HFD)
<b>M12</b>	9284	3-7	2210	Wed	295 295 295 1 6274 90 6274 90 43099 93070 47322 26577 31898 ... 95657 85070 77900 44029 76647 000 000	CW	(AB)
<b>M12</b>	8084	3-7	2230	Wed	295 295 295 1 6274 90 6274 90 43099 93070 47322 26577 31898 ... 95657 85070 77900 44029 76647 000 000	CW	(AB)
<b>M12</b>	7584	3-7	2250	Wed	295 295 295 1 6274 90 6274 90 43099 93070 47322 26577 31898 ... 95657 85070 77900 44029 76647 000 000	CW	(AB)
<b>M12</b>	10807	4-7	0700	Thu	822 822 822 000	CW	(AB-RUS)
<b>M12</b>	10207	4-7	0720	Thu	822 822 822 000	CW	(AB-RUS)
<b>M12</b>	12162	4-7	1700	Thu	546 546 546 1 6409 110 6409 110 71992 24841 75678 ... 47215 37565 86470 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	4-7	1720	Thu	546 546 546 1 6409 110 6409 110 71992 24841 75678 ... 47215 37565 86470 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	4-7	1740	Thu	546 546 546 1 6409 110 6409 110 71992 24841 75678 ... 47215 37565 86470 000 000	CW	(AB/MPJ)
<b>M12</b>	12162	4-7	1800	Thu	546 546 546 1 5600 105 5600 105 25036 47090 55600... 30280 06354 21856 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	4-7	1820	Thu	546 546 546 1 5600 105 5600 105 25036 47090 55600... 30280 06354 21856 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	4-7	1840	Thu	546 546 546 1 5600 105 5600 105 25036 47090 55600... 30280 06354 21856 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	4-7	2000	Thu	317 317 317 1 8823 109 8823 109 30404 56738 34343 ... 96270 93859 31551 000 000	CW	(AB/RL)
<b>M12</b>	13461	4-7	2020	Thu	317 317 317 1 8823 109 8823 109 30404 56738 34343 ... 96270 93859 31551 000 000	CW	(AB/RL)
<b>M12</b>	12114	4-7	2040	Thu	317 317 317 1 8823 109 8823 109 30404 56738 34343 ... 96270 93859 31551 000 000	CW	(AB/RL)
<b>M12</b>	13381	4-7	2110	Thu	317 317 317 000	CW	(AB/RL/HFD)
<b>M12</b>	12181	4-7	2130	Thu	317 317 317 000	CW	(AB/RL/HFD)
<b>M12</b>	13423	5-7	1210	Fri	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(AB/MPJ)
<b>M12</b>	12123	5-7	1230	Fri	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(AB/MPJ)
<b>M12</b>	11523	5-7	1250	Fri	415 415 415 1 7995 100 7995 100 21891 64012 78700 ... 53482 13753 70829 000 000	CW	(AB/MPJ)
<b>M12</b>	16323	5-7	1950	Fri	395 395 395 000	CW	(AB)
<b>M12</b>	14923	5-7	2010	Fri	395 395 395 000	CW	(AB/RL)
<b>M12</b>	10767	5-7	2100	Fri	712 1	CW	(HFD)
<b>M12</b>	10167	5-7	2120	Fri	712 1	CW	(HFD)

<b>M12</b>	9267	5-7	2140	Fri	712 1		CW	(HFD)
<b>M12</b>	8047	6-7	2000	Sat	463 463 463 1 2223 92 2223 92 43992 26506 41202 ... 83627 66908 45222 000 000		CW	(AB)
<b>M12</b>	6802	6-7	2020	Sat	463 463 463 1 2223 92 2223 92 43992 26506 41202 ... 83627 66908 45222 000 000		CW	(AB)
<b>M12</b>	5788	6-7	2040	Sat	463 463 463 1 2223 92 2223 92 43992 26506 41202 ... 83627 66908 45222 000 000		CW	(AB)
<b>M12</b>	10767	6-7	2100	Sat	712 712 712 1 6218 140 6218 140 56953 48072 91961 ... 58945 42233 03554 000 000		CW	(AB/RL)
<b>M12</b>	10167	6-7	2120	Sat	712 712 712 1 6218 140 6218 140 56953 48072 91961 ... 58945 42233 03554 000 000		CW	(AB/RL)
<b>M12</b>	9267	6-7	2140	Sat	712 712 712 1 6218 140 6218 140 56953 48072 91961 ... 58945 42233 03554 000 000		CW	(AB/RL)
<b>M12</b>	9284	6-7	2210	Sat	295 295 295 1 6274 90 6274 90 43099 93070 47322 ... 77900 44029 76647 000 000		CW	(AB/RL)
<b>M12</b>	8084	6-7	2230	Sat	295 295 295 1 6274 90 6274 90 43099 93070 47322 ... 77900 44029 76647 000 000		CW	(AB/RL)
<b>M12</b>	7584	6-7	2250	Sat	295 295 295 1 6274 90 6274 90 43099 93070 47322 ... 77900 44029 76647 000 000		CW	(AB/RL)
<b>M12</b>	15821	8-7	1400	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ/HFD)
<b>M12</b>	13921	8-7	1420	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ/HFD)
<b>M12</b>	12221	8-7	1440	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ/HFD)
<b>M12</b>	11435	8-7	1710	Mon	938 938 938 1 5275 110 5275 110 19117 87850 56744 ... 03727 25934 81501 000 000		CW	(AB/MPJ)
<b>M12</b>	10598	8-7	1730	Mon	938 938 938 1 5275 110 5275 110 19117 87850 56744 ... 03727 25934 81501 000 000		CW	(AB/MPJ)
<b>M12</b>	9327	8-7	1750	Mon	938 938 938 1 5275 110 5275 110 19117 87850 56744 ... 03727 25934 81501 000 000		CW	(AB/MPJ)
<b>M12</b>	8047	8-7	1800	Mon	463 463 463 1 4777 95 4777 95 24310 24488 96836 ... 86635 23170 79390 000 000		CW	(AB/MPJ)
<b>M12</b>	6802	8-7	1820	Mon	463 463 463 1 4777 95 4777 95 24310 24488 96836 ... 86635 23170 79390 000 000		CW	(AB/MPJ)
<b>M12</b>	5788	8-7	1840	Mon	463 463 463 1 4777 95 4777 95 24310 24488 96836 ... 86635 23170 79390 000 000		CW	(AB/MPJ)
<b>M12</b>	10343	8-7	2000	Mon	124 124 124 1 8776 109 8776 109 33574 79496 47756 ... 48653 77224 39886 000 000		CW	(AB)
<b>M12</b>	9264	8-7	2020	Mon	124 124 124 1 8776 109 8776 109 33574 79496 47756 ... 48653 77224 39886 000 000		CW	(AB)
<b>M12</b>	8116	8-7	2040	Mon	124 124 124 1 8776 109 8776 109 33574 79496 47756 ... 48653 77224 39886 000 000		CW	(AB)
<b>M12</b>	13381	8-7	2110	Mon	317 317 317 000		CW	(AB)
<b>M12</b>	12181	8-7	2130	Mon	317 317 317 000		CW	(AB)
<b>M12</b>	10807	9-7	0700	Tue	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000		CW	(HFD-J)
<b>M12</b>	10207	9-7	0720	Tue	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000		CW	(HFD-J)
<b>M12</b>	9207	9-7	0740	Tue	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000		CW	(HFD-J)
<b>M12</b>	11435	9-7	1800	Tue	938 3862 107 00843 03652 17435 ... 00467 64418 62298 000 000		CW	(MPJ)
<b>M12</b>	10598	9-7	1820	Tue	938 3862 107 00843 03652 17435 ... 00467 64418 62298 000 000		CW	(MPJ)
<b>M12</b>	9327	9-7	1840	Tue	938 3862 107 00843 03652 17435 ... 00467 64418 62298 000 000		CW	(MPJ)
<b>M12</b>	13423	10-7	1210	Wed	415 415 415 000		CW	(AB/MPJ)
<b>M12</b>	12123	10-7	1230	Wed	415 415 415 000		CW	(AB/MPJ)
<b>M12</b>	15821	10-7	1400	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ)
<b>M12</b>	13921	10-7	1420	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ)
<b>M12</b>	12221	10-7	1440	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000		CW	(AB/MPJ)
<b>M12</b>	12162	10-7	1710	Wed	546 1 4578 107 25987 71809 55223 ... 75834 50431 42372 000 000		CW	(MPJ)
<b>M12</b>	11566	10-7	1730	Wed	546 1 4578 107 25987 71809 55223 ... 75834 50431 42372 000 000		CW	(MPJ)
<b>M12</b>	10711	10-7	1750	Wed	546 1 4578 107 25987 71809 55223 ... 75834 50431 42372 000 000		CW	(MPJ)
<b>M12</b>	16323	10-7	1950	Wed	395 395 395 000		CW	(AB/RL)

M12	14923	10-7	2010	Wed	395 395 395 000	CW	(AB/RL)
M12	9284	10-7	2210	Wed	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(AB/RL)
M12	8084	10-7	2230	Wed	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(AB/RL)
M12	7584	10-7	2250	Wed	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(AB/RL)
M12	10807	11-7	0700	Thu	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000	CW	(AB-J)
M12	10207	11-7	0720	Thu	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000	CW	(AB-J)
M12	9207	11-7	0740	Thu	822 822 822 1 9947 98 9947 98 94724 55535 96335 ... 19330 82919 55808 000 000	CW	(AB-J)
M12	12162	11-7	1700	Thu	546 546 546 1 9303 106 9303 106 37009 39835 33908 ... 51689 30725 30059 000 000	CW	(AB/MPJ/HFD)
M12	11566	11-7	1720	Thu	546 546 546 1 9303 106 9303 106 37009 39835 33908 ... 51689 30725 30059 000 000	CW	(AB/MPJ/HFD)
M12	10711	11-7	1740	Thu	546 546 546 1 9303 106 9303 106 37009 39835 33908 ... 51689 30725 30059 000 000	CW	(AB/MPJ/HFD)
M12	12162	11-7	1800	Thu	546 546 546 1 599 109 599 109 35655 05770 69168 ... 13570 92846 02048 000 000	CW	(AB/MPJ/HFD)
M12	11566	11-7	1820	Thu	546 546 546 1 599 109 599 109 35655 05770 69168 ... 13570 92846 02048 000 000	CW	(AB/MPJ/HFD)
M12	10711	11-7	1840	Thu	546 546 546 1 599 109 599 109 35655 05770 69168 ... 13570 92846 02048 000 000	CW	(AB/MPJ/HFD)
M12	14377	11-7	2000	Thu	317 317 317 1 3223 110 3223 110 88695 67515 04816 ... 79381 43184 75221 000 000	CW	(AB/RL)
M12	13461	11-7	2020	Thu	317 317 317 1 3223 110 3223 110 88695 67515 04816 ... 79381 43184 75221 000 000	CW	(AB)
M12	12114	11-7	2040	Thu	317 317 317 1 3223 110 3223 110 88695 67515 04816 ... 79381 43184 75221 000 000	CW	(AB)
M12	13381	11-7	2110	Thu	317 317 317 000	CW	(RL)
M12	13423	12-7	1210	Fri	415 415 415 000	CW	(AB)
M12	12123	12-7	1230	Fri	415 415 415 000	CW	(AB)
M12	16323	12-7	1950	Fri	395 395 395 000	CW	(AB)
M12	14923	12-7	2010	Fri	395 395 395 000	CW	(AB/RL)
M12	10167	12-7	2100	Fri	712 712 712 000	CW	(AB/RL)
M12	10767	12-7	2100	Fri	712 712 712 000	CW	(AB/RL)
M12	8047	13-7	2000	Sat	463 463 463 2306 94 2306 94 14114 82877 86989 ... 83239 79939 80615 000 000	CW	(AB)
M12	6802	13-7	2020	Sat	463 463 463 2306 94 2306 94 14114 82877 86989 ... 83239 79939 80615 000 000	CW	(AB)
M12	5788	13-7	2040	Sat	463 463 463 2306 94 2306 94 14114 82877 86989 ... 83239 79939 80615 000 000	CW	(AB)
M12	10767	13-7	2100	Sat	712 712 712 000	CW	(AB)
M12	10167	13-7	2120	Sat	712 712 712 000	CW	(AB/RL)
M12	9284	13-7	2210	Sat	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(RL)
M12	8084	13-7	2230	Sat	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(RL)
M12	7584	13-7	2250	Sat	295 295 295 1 608 98 608 98 19637 20194 87673 ... 33360 23271 03218 000 000	CW	(RL)
M12	15881	15-7	0210	Mon	874 1	CW	(HFD)
M12	14781	15-7	0231	Mon	874 1	CW	(HFD)
M12	13481	15-7	0251	Mon	874 1	CW	(HFD)
M12	15821	15-7	1400	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	13921	15-7	1420	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	12221	15-7	1440	Mon	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	11435	15-7	1710	Mon	938 938 938 1 9814 113 9814 113 53864 65620 26624 ... 53238 05950 73247 000 000	CW	(AB/MPJ/HFD)
M12	10598	15-7	1730	Mon	938 938 938 1 9814 113 9814 113 53864 65620 26624 ... 53238 05950 73247 000 000	CW	(AB/MPJ/HFD)



M12	9327	15-7	1750	Mon	938 938 938 1 9814 113 9814 113 53864 65620 26624 ... 53238 05950 73247 000 000	CW	(AB/MPJ/HFD)
M12	8047	15-7	1800	Mon	463 463 463 1 4676 95 4676 95 85736 68308 31696 ... 24986 51400 51808 000 000	CW	(AB/MPJ)
M12	6802	15-7	1820	Mon	463 463 463 1 4676 95 4676 95 85736 68308 31696 ... 24986 51400 51808 000 000	CW	(AB/MPJ)
M12	5788	15-7	1840	Mon	463 463 463 1 4676 95 4676 95 85736 68308 31696 ... 24986 51400 51808 000 000	CW	(AB/MPJ)
M12	10343	15-7	2000	Mon	124 124 124 1 9833 107 9833 107 54093 33369 29152 ... 83617 85048 66044 000 000	CW	(AB/RL)
M12	9264	15-7	2020	Mon	124 124 124 1 9833 107 9833 107 54093 33369 29152 ... 83617 85048 66044 000 000	CW	(AB/RL)
M12	8116	15-7	2040	Mon	124 124 124 1 9833 107 9833 107 54093 33369 29152 ... 83617 85048 66044 000 000	CW	(AB/RL)
M12	13381	15-7	2110	Mon	317 317 317 000	CW	(RL)
M12	12181	15-7	2130	Mon	317 317 317 000	CW	(RL)
M12	9317	16-7	0530	Tue	135 135 135 1 9653 110 9653 110 58159 43909 11893 ... 95755 66395 95130 000 000	CW	(AB/ES/HFD)
M12	10484	16-7	0550	Tue	135 135 135 1 9653 110 9653 110 58159 43909 11893 ... 95755 66395 95130 000 000	CW	(AB/ES/HFD)
M12	11552	16-7	0610	Tue	135 135 135 1 9653 110 9653 110 58159 43909 11893 ... 95755 66395 95130 000 000	CW	(AB/ES/HFD)
M12	10807	16-7	0700	Tue	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-J)
M12	10207	16-7	0720	Tue	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-J)
M12	9207	16-7	0740	Tue	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-J)
M12	11435	16-7	1800	Tue	938 938 938 1 7010 007 7010 107 86345 35019 43204 ... 28558 81377 17618 000 000	CW	(AB/MPJ)
M12	10598	16-7	1820	Tue	938 938 938 1 7010 007 7010 107 86345 35019 43204 ... 28558 81377 17618 000 000	CW	(AB/MPJ)
M12	9327	16-7	1840	Tue	938 938 938 1 7010 007 7010 107 86345 35019 43204 ... 28558 81377 17618 000 000	CW	(AB/MPJ)
M12	13423	17-7	1210	Wed	415 415 415 000	CW	(AB/MPJ)
M12	12123	17-7	1230	Wed	415 415 415 000	CW	(AB/MPJ)
M12	15821	17-7	1400	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	13921	17-7	1420	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	12221	17-7	1440	Wed	892 892 892 1 9295 153 9295 153 88927 14418 75631 ... 83540 19463 00344 000 000	CW	(AB/MPJ)
M12	12162	17-7	1710	Wed	546 546 546 1 3738 109 3738 109 02054 84393 82679 .. 22572 18474 83917 000 000	CW	(AB/MPJ/HFD)
M12	11566	17-7	1730	Wed	546 546 546 1 3738 109 3738 109 02054 84393 82679 .. 22572 18474 83917 000 000	CW	(AB/MPJ/HFD)
M12	10711	17-7	1750	Wed	546 546 546 1 3738 109 3738 109 02054 84393 82679 .. 22572 18474 83917 000 000	CW	(AB/MPJ/HFD)
M12	16323	17-7	1950	Wed	395 395 395 000	CW	(AB/RL)
M12	14923	17-7	2010	Wed	395 395 395 000	CW	(AB/RL)
M12	9284	17-7	2210	Wed	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB/RL)
M12	8084	17-7	2230	Wed	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB/RL)
M12	7584	17-7	2250	Wed	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB/RL)
M12	10807	18-7	0700	Thu	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-RUS)
M12	10207	18-7	0720	Thu	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-RUS)
M12	9207	18-7	0740	Thu	822 822 822 1 9187 106 9187 106 13813 79476 07020 ... 63799 86866 72240 000 000	CW	(AB-RUS)
M12	12162	18-7	1700	Thu	546 546 546 1 6678 106 6678 106 44334 41572 28447 ... 27061 50788 04129 000 000	CW	(AB/MPJ)
M12	11566	18-7	1720	Thu	546 546 546 1 6678 106 6678 106 44334 41572 28447 ... 27061 50788 04129 000 000	CW	(AB/MPJ)
M12	10711	18-7	1740	Thu	546 546 546 1 6678 106 6678 106 44334 41572 28447 ... 27061 50788 04129 000 000	CW	(AB/MPJ)
M12	12162	18-7	1800	Thu	546 546 546 1 9529 113 9529 113 48050 97456 91161 ... 47764 02709 68454 000 000	CW	(AB/MPJ)
M12	11566	18-7	1820	Thu	546 546 546 1 9529 113 9529 113 48050 97456 91161 ... 47764 02709 68454 000 000	CW	(AB/MPJ)

<b>M12</b>	10711	18-7	1840	Thu	546 546 546 1 9529 113 9529 113 48050 97456 91161 ... 47764 02709 68454 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	18-7	2000	Thu	317 317 317 1 5739 109 5739 109 45086 96880 62415 ... 43799 93487 30301 000 000	CW	(AB)
<b>M12</b>	13461	18-7	2020	Thu	317 317 317 1 5739 109 5739 109 45086 96880 62415 ... 43799 93487 30301 000 000	CW	(AB)
<b>M12</b>	12114	18-7	2040	Thu	317 317 317 1 5739 109 5739 109 45086 96880 62415 ... 43799 93487 30301 000 000	CW	(AB)
<b>M12</b>	13381	18-7	2110	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	12181	18-7	2130	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	13423	19-7	1210	Fri	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	12123	19-7	1230	Fri	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	16323	19-7	1950	Fri	395 395 395 000	CW	(AB)
<b>M12</b>	14923	19-7	2010	Fri	395 395 395 000	CW	(AB/RL)
<b>M12</b>	10167	19-7	2100	Fri	712 712 712 000	CW	(AB/RL)
<b>M12</b>	10767	19-7	2100	Fri	712 712 712 000	CW	(AB/RL)
<b>M12</b>	8047	20-7	2000	Sat	463 463 463 1 3513 100 3513 100 76139 20877 85123 ... 73910 82261 24898 000 0000	CW	(AB/HFD)
<b>M12</b>	6802	20-7	2020	Sat	463 463 463 1 3513 100 3513 100 76139 20877 85123 ... 73910 82261 24898 000 0000	CW	(AB/HFD)
<b>M12</b>	5788	20-7	2040	Sat	463 463 463 1 3513 100 3513 100 76139 20877 85123 ... 73910 82261 24898 000 0000	CW	(AB/HFD)
<b>M12</b>	10767	20-7	2100	Sat	712 712 712 000	CW	(AB)
<b>M12</b>	13381	20-7	2110	Sat	317 317 317 000	CW	(AB/RL)
<b>M12</b>	10167	20-7	2120	Sat	712 712 712 000	CW	(AB)
<b>M12</b>	9284	20-7	2210	Sat	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB)
<b>M12</b>	8084	20-7	2230	Sat	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB)
<b>M12</b>	7584	20-7	2250	Sat	295 295 295 1 630 76 630 76 39654 58631 04451 ... 06745 58919 10644 000 000	CW	(AB)
<b>M12</b>	15821	22-7	1400	Mon	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	13921	22-7	1420	Mon	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	12221	22-7	1440	Mon	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	11435	22-7	1710	Mon	938 938 938 1 3396 113 3396 113 32349 09806 91813 ... 19823 78154 63380 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	22-7	1730	Mon	938 938 938 1 3396 113 3396 113 32349 09806 91813 ... 19823 78154 63380 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	22-7	1750	Mon	938 938 938 1 3396 113 3396 113 32349 09806 91813 ... 19823 78154 63380 000 000	CW	(AB/MPJ)
<b>M12</b>	8047	22-7	1800	Mon	463 463 463 1 4250 94 4250 94 88006 65354 92516 ... 94319 77541 35898 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	22-7	1820	Mon	463 463 463 1 4250 94 4250 94 88006 65354 92516 ... 94319 77541 35898 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	22-7	1840	Mon	463 463 463 1 4250 94 4250 94 88006 65354 92516 ... 94319 77541 35898 000 000	CW	(AB/MPJ)
<b>M12</b>	9317	23-7	0530	Tue	135 135 135 1 6138 109 6138 109 07958 05013 45400 ... 51126 29646 69256 000 000	CW	(AB)
<b>M12</b>	10484	23-7	0550	Tue	135 135 135 1 6138 109 6138 109 07958 05013 45400 ... 51126 29646 69256 000 000	CW	(AB)
<b>M12</b>	11552	23-7	0610	Tue	135 135 135 1 6138 109 6138 109 07958 05013 45400 ... 51126 29646 69256 000 000	CW	(AB)
<b>M12</b>	10807	23-7	0700	Tue	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-RUS/ES)
<b>M12</b>	10207	23-7	0720	Tue	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-RUS/ES)
<b>M12</b>	9207	23-7	0740	Tue	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-RUS/ES)
<b>M12</b>	11435	23-7	1800	Tue	938 938 938 1 4420 104 4420 104 82342 64406 18708 ... 87466 75224 33517 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	23-7	1820	Tue	938 938 938 1 4420 104 4420 104 82342 64406 18708 ... 87466 75224 33517 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	23-7	1840	Tue	938 938 938 1 4420 104 4420 104 82342 64406 18708 ... 87466 75224 33517 000 000	CW	(AB/MPJ)



<b>M12</b>	13423	24-7	1210	Wed	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	12123	24-7	1230	Wed	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	15821	24-7	1400	Wed	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	13921	24-7	1420	Wed	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	12221	24-7	1440	Wed	892 892 892 1 9103 39 9103 39 88723 57397 82693 ... 94470 77204 81696 000 000	CW	(AB/MPJ)
<b>M12</b>	12162	24-7	1710	Wed	546 546 546 1 4108 105 4108 105 18724 17910 81095 ... 94731 63739 20534 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	24-7	1730	Wed	546 546 546 1 4108 105 4108 105 18724 17910 81095 ... 94731 63739 20534 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	24-7	1750	Wed	546 546 546 1 4108 105 4108 105 18724 17910 81095 ... 94731 63739 20534 000 000	CW	(AB/MPJ)
<b>M12</b>	16323	24-7	1950	Wed	395 395 395 000	CW	(AB/RL)
<b>M12</b>	14923	24-7	2010	Wed	395 395 395 000	CW	(AB/RL)
<b>M12</b>	9284	24-7	2210	Wed	295 295 295 1 8675 98 8675 67769 97483 46313 78500 11603 ... 99724 26247 75958 20772 61357 000 000	CW	(RL)
<b>M12</b>	8084	24-7	2230	Wed	295 295 295 1 8675 98 8675 67769 97483 46313 78500 11603 ... 99724 26247 75958 20772 61357 000 000	CW	(RL)
<b>M12</b>	7584	24-7	2250	Wed	295 295 295 1 8675 98 8675 67769 97483 46313 78500 11603 ... 99724 26247 75958 20772 61357 000 000	CW	(RL)
<b>M12</b>	10807	25-7	0700	Thu	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-J)
<b>M12</b>	10207	25-7	0720	Thu	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-J)
<b>M12</b>	9207	25-7	0740	Thu	822 822 822 9913 108 9913 108 86413 91193 29801 ... 31872 17204 43661 000 000	CW	(AB-J)
<b>M12</b>	12162	25-7	1700	Thu	546 546 546 1 5798 109 5798 109 30635 46903 87021 ... 54742 60090 59583 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	25-7	1720	Thu	546 546 546 1 5798 109 5798 109 30635 46903 87021 ... 54742 60090 59583 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	25-7	1740	Thu	546 546 546 1 5798 109 5798 109 30635 46903 87021 ... 54742 60090 59583 000 000	CW	(AB/MPJ)
<b>M12</b>	12162	25-7	1800	Thu	546 546 546 1 3273 104 3273 104 39884 32850 56195 ... 49503 52471 64724 000 000	CW	(AB/MPJ)
<b>M12</b>	11566	25-7	1820	Thu	546 546 546 1 3273 104 3273 104 39884 32850 56195 ... 49503 52471 64724 000 000	CW	(AB/MPJ)
<b>M12</b>	10711	25-7	1840	Thu	546 546 546 1 3273 104 3273 104 39884 32850 56195 ... 49503 52471 64724 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	25-7	2000	Thu	317 317 317 1 9664 110 9664 110 52665 14201 07012 ... 03609 28612 69983 000 000	CW	(AB)
<b>M12</b>	13461	25-7	2020	Thu	317 317 317 1 9664 110 9664 110 52665 14201 07012 ... 03609 28612 69983 000 000	CW	(AB)
<b>M12</b>	12114	25-7	2040	Thu	317 317 317 1 9664 110 9664 110 52665 14201 07012 ... 03609 28612 69983 000 000	CW	(AB)
<b>M12</b>	13381	25-7	2110	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	12181	25-7	2130	Thu	317 317 317 000	CW	(AB)
<b>M12</b>	13423	26-7	1210	Fri	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	16323	26-7	1950	Fri	395 395 395 000	CW	(AB/RL)
<b>M12</b>	14923	26-7	2010	Fri	395 395 395 000	CW	(AB/RL)
<b>M12</b>	10167	26-7	2100	Fri	712 712 712 000	CW	(AB/RL)
<b>M12</b>	10767	26-7	2100	Fri	712 712 712 000	CW	(AB/RL)
<b>M12</b>	12123	27-7	1230	Sat	415 415 415 000	CW	(AB/MPJ)
<b>M12</b>	8047	27-7	2000	Sat	463 463 463 1 6912 95 6912 95 63875 55458 72265 ... 49054 68109 87145 000 000	CW	(AB)
<b>M12</b>	6802	27-7	2020	Sat	463 463 463 1 6912 95 6912 95 63875 55458 72265 ... 49054 68109 87145 000 000	CW	(AB)
<b>M12</b>	5788	27-7	2040	Sat	463 463 463 1 6912 95 6912 95 63875 55458 72265 ... 49054 68109 87145 000 000	CW	(AB/RL)

M12	10767	27-7	2100	Sat	712 712 712 000	CW	(AB/RL)
M12	10167	27-7	2120	Sat	712 712 712 000	CW	(AB/RL)
M12	9284	27-7	2210	Sat	295 295 295 1 8675 98 8675 67769 97483 46313 ... 75958 20772 61357 000 000	CW	(AB/RL/HFD)
M12	8084	27-7	2230	Sat	295 295 295 1 8675 98 8675 67769 97483 46313 ... 75958 20772 61357 000 000	CW	(AB/RL/HFD)
M12	7584	27-7	2250	Sat	295 295 295 1 8675 98 8675 67769 97483 46313 ... 75958 20772 61357 000 000	CW	(AB/RL/HFD)
M12	15821	29-7	1400	Mon	892 892 892 000	CW	(AB/MPJ)
M12	13921	29-7	1420	Mon	892 892 892 000	CW	(AB/MPJ)
M12	11435	29-7	1710	Mon	938 938 938 1 4681 110 4681 110 24594 51673 55475 ... 47383 74293 60677 000 000	CW	(AB/MPJ)
M12	10598	29-7	1730	Mon	938 938 938 1 4681 110 4681 110 24594 51673 55475 ... 47383 74293 60677 000 000	CW	(AB/MPJ)
M12	9327	29-7	1750	Mon	938 938 938 1 4681 110 4681 110 24594 51673 55475 ... 47383 74293 60677 000 000	CW	(AB/MPJ)
M12	8047	29-7	1800	Mon	463 463 463 1 8142 98 8142 98 46566 12840 40615 ... 26150 41851 81822 000 000	CW	(AB/MPJ)
M12	6802	29-7	1820	Mon	463 463 463 1 8142 98 8142 98 46566 12840 40615 ... 26150 41851 81822 000 000	CW	(AB/MPJ)
M12	5788	29-7	1840	Mon	463 463 463 1 8142 98 8142 98 46566 12840 40615 ... 26150 41851 81822 000 000	CW	(AB/MPJ)
M12	12181	29-7	2130	Mon	317 317 317 000	CW	(AB/RL)
M12	11435	30-7	1800	Tue	938 938 938 1 6326 106 6326 106 34896 74609 79446 ... 44765 64679 09298 000 000	CW	(AB/MPJ)
M12	10598	30-7	1820	Tue	938 938 938 1 6326 106 6326 106 34896 74609 79446 ... 44765 64679 09298 000 000	CW	(AB/MPJ)
M12	9327	30-7	1840	Tue	938 938 938 1 6326 106 6326 106 34896 74609 79446 ... 44765 64679 09298 000 000	CW	(AB/MPJ)
M12	13423	31-7	1210	Wed	415 415 415 000	CW	(AB/MPJ)
M12	12123	31-7	1230	Wed	415 415 415 000	CW	(AB/MPJ)
M12	15821	31-7	1400	Wed	892 892 892 000	CW	(AB/MPJ)
M12	13921	31-7	1420	Wed	892 892 892 000	CW	(AB/MPJ)
M12	12162	31-7	1710	Wed	546 546 546 1 7259 107 7259 107 53023 15275 80404 ... 94371 11967 20455 000 000	CW	(AB/MPJ)
M12	11566	31-7	1730	Wed	546 546 546 1 7259 107 7259 107 53023 15275 80404 ... 94371 11967 20455 000 000	CW	(AB/MPJ)
M12	10711	31-7	1750	Wed	546 546 546 1 7259 107 7259 107 53023 15275 80404 ... 94371 11967 20455 000 000	CW	(AB/MPJ)
M12	16323	31-7	1950	Wed	395 395 395 000	CW	(AB/RL)
M12	14923	31-7	2010	Wed	395 395 395 000	CW	(AB/RL)
M12	9284	31-7	2210	Wed	295 295 295 000	CW	(AB/RL)
M12	8084	31-7	2230	Wed	295 295 295 000	CW	(AB/RL)
M14	6953	2-7	1600	Tue	239 239 239 00000	MCW	(MPJ)
M14	7390	3-7	1546	Wed	Test: 68285 47693 93647 22T61 13291 37o	MCW	(AB)
M14	7390	3-7	1600	Wed	239 239 239 00000	MCW	(AB)
M14	7605	5-7	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	7605	5-7	1905	Fri	Test: 574 63719 62363 6D	MCW	(AB)
M14	4730	6-7	0800	Sat	523 741 741 40 40 = = 90164 36186 42751 ... 63190 73891 04672 741 741 40 40 = = 00000	MCW	(AB-POL)
M14	4650	6-7	0900	Sat	523 741 741 40 40 = = 90164 36186 42751 ... 63190 73891 04672 741 741 40 40 = = 00000	MCW	(AB-RUS)
M14	4890	7-7	2300	Sun	617 ... message	MCW	(AB)
M14	6856	9-7	1819	Tue	163 104 104 40 40 = = 55511 99055 (99099) 21232 ... 22571 78909 55454 104 104 40 40 = = (no 00000)	MCW	(MPJ)
M14	16347	10-7	0930	Wed	617 409 409 63 63 = = 20303 57938 17381 ... 82620 28766 18046 = = 409 409 63 63 00000	CW	(AB)

<b>M14</b>	5938	10-7	1930	Wed	417 104 104 40 40 == 55511 99055 (99099) 21232 ... 22571 78909 55454 104 104 40 40 == 00000 5	MCW	(MPJ)
<b>M14</b>	14878	11-7	0930	Thu	617 409 409 63 63 == 20303 57938 17381 ... 82620 28766 18046 == 409 409 63 63 00000	CW	(AB/SP1)
<b>M14</b>	4730	13-7	0800	Sat	523 105 105 30 30 == 77781 45671 11331 ... 22816 14880 32145 105 105 30 30 == 00000	MCW	(AB-POL)
<b>M14</b>	4650	13-7	0900	Sat	523 105 105 30 30 == 77781 45671 11331 ... 22816 14880 32145 105 105 30 30 == 00000	MCW	(AB-RUS)
<b>M14</b>	4890	14-7	2300	Sun	617 ... message	MCW	(AB)
<b>M14</b>	6953	16-7	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
<b>M14</b>	7390	17-7	1509	Wed	Tests at 1509, 1513, 1515, 1517, 1553, 1556, 1601 UTC	MCW	(AB)
<b>M14</b>	7390	17-7	1601	Wed	239 239 239 00000	MCW	(AB/MPJ)
<b>M14</b>	7390	17-7	1606	Wed	239 239 239 00000	MCW	(AB)
<b>M14</b>	7605	19-7	1900	Fri	735 735 735 00000	MCW	(MPJ)
<b>M14</b>	4730	20-7	0800	Sat	523 74 42 42 == 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 == 00000. Error in the header	MCW	(AB-POL)
<b>M14</b>	4650	20-7	0900	Sat	523 674 674 42 42 == 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 == 00000	MCW	(AB-RUS)
<b>M14</b>	6856	23-7	1820	Tue	163 105 105 30 30 ????? 66714 8896? ... 22816 14880 32145 105 105 30 30 == 00000	MCW	(AB/MPJ)
<b>M14</b>	16347	25-7	0930	Thu	617 409 409 63 63 == 20303 57938 17381 ... 82620 28766 18046 == 409 409 63 63 00000	CW	(AB)
<b>M14</b>	4730	27-7	0800	Sat	523 546 546 38 38 == 12345 56720 34569 ... 58392 95178 32060 546 546 38 38 == 00000	MCW	(AB-POL)
<b>M14</b>	4650	27-7	0900	Sat	523 546 546 38 38 == 12345 56720 34569 ... 58392 95178 32060 546 546 38 38 == 00000	MCW	(AB-POL)
<b>M21</b>	7988.5	15-7	1235	Mon	Russian Air Defense: =992153??9?????	CW	(EW)
<b>M22</b>	6607	5-7	1544	Fri	VVV DE 4XZ 4XZ ==	CW	(AB)
<b>M22</b>	4331	17-7	1800	Wed	VVV DE 4XZ 4XZ followed by messages //6607 kHz	CW	(AB)
<b>M22</b>	6607	17-7	1800	Wed	VVV DE 4XZ 4XZ followed by messages //4331 kHz	CW	(AB)
<b>M32</b>	5922	3-7	0850	Wed	KHI9TS 38168 KZOTOMORG 8?678109 PUK 18912168	CW	(AnEur)
<b>M32</b>	14411	3-7	1044	Wed	RDL: XXX XXX IGYC IGYC 77325 64487 BIMS0BROD 9786 6254	CW	(JU)
<b>M32</b>	14411	3-7	1144	Wed	RDL: XXX XXX WEGI WEGI 46951 45715 SEKRETARX 8164 7820 REJHSWER 8695 3379 NEPRI-AeTIE 1154 1702	CW	(JU)
<b>M32</b>	14411	3-7	1147	Wed	RDL: XXX XXX M7A2 M7A2 56251 70549 SRYWOKLIR 6435 6762	CW	(JU)
<b>M32</b>	14411	3-7	1240	Wed	RDL: XXX XXX WEGI WEGI 82790 95283 TREFOTRAP 4684 1997	CW	(JU)
<b>M32</b>	14411	3-7	1439	Wed	RDL: XXX XXX W6BY W6BY 51590 19756 NAGRUZKA 2876 8001 SYNOREIS 6323 8625	CW	(JU)
<b>M32</b>	7289	4-7	0940	Thu	BTYSHCH 9'Y1 62712 24291 LUCHOBLOK 96198770	CW	(AnEur)
<b>M32</b>	13964	24-7	0948	Wed	i.p. 12526 50182 94113 34908 75701 16496 54151 98083 38877 79671 20465 24020 K	CW	(AB)
<b>M32</b>	13964	24-7	1015	Wed	i.p. 510 = 836 = 11482 74241 30726 ... 20776 77983 24020 K Q4D3 DE JQ8Q K	CW	(AB)
<b>M32</b>	4441	29-7	2237	Mon	LDBO QTC 757 26 30 0130 757 = 631.. 8193 22052 ... 83667 05529 30023 631 AR	CW	(JPL-Sib)
<b>M32a</b>	14556	18-7	0916	Thu	RK93 DE RIW K. QYT4 SK RK93 DE RIW QTC K. W 208 64 18 115 208 = FM RAA = 6253 5548 5653 ... 18062 = RPT AL AR	CW	(SP1)
<b>M32a</b>	8137	26-7	0613	Fri	Russian Navy: rit de rjp50 161 19 26 0905 161 =	CW	(WP3)
<b>M32b</b>	8816	7-7	0710	Sun	rjf94 rjc38 de 71567 qto 0700 qbd xlaa xuyk qre 0950 qbd 0500 k	CW	(WP3)
<b>M42</b>	17433	5-7	1118	Fri	MFA Moscow testing with Russian embassy Abidjan at 1118, 1122, 1126, 1130, 1138, 1146, 1150, 1154, 1205, 1209, 1217, 1221 UTC	MFSK	(AB)

<b>M42</b>	15978	9-7	1745	Tue	MFA Moscow, RUS wkg Russian Embassy Abidjan, CTI. Exchanging test tfc back and forth.. QSX 17480 kHz.	MFSK-66/45Bd	(Danix)
<b>M42</b>	17480	9-7	1745	Tue	Russian Embassy Abidjan, CTI wkg Russian MFA Moscow, RUS. Exchanging test tfc back and forth. QSX 15978 kHz.	MFSK-66/45Bd	(Danix)
<b>M42</b>	15806	9-7	1818	Tue	MFA Moscow, RUS. Failed Abidjan connection attempt	OFDM-128-tone/21Bd	(Danix)
<b>M42</b>	14910	9-7	1845	Tue	MFA Moscow, RUS wkg Russian Embassy Abidjan, CTI. Exchanging test tfc back and forth. QSX 16112 kHz.	MFSK-66/45Bd	(Danix)
<b>M42</b>	16112	9-7	1845	Tue	Russian Embassy Abidjan, CTI wkg Russian MFA Moscow, RUS. Exchanging test tfc back and forth. QSX 14910 kHz.	MFSK-66/45Bd	(Danix)
<b>M42</b>	14474	12-7	0950	Fri	Russian diplo/intel.	MFSK-66	(SP1)
<b>M42</b>	12060	12-7	1146	Fri	Russian diplo/intel i.p.	MFSK-66	(AB)
<b>M42</b>	11490	16-7	0750	Tue	MFA Moscow, traffic to Russian embassy Brussels	MFSK-66	(SP1)
<b>M42</b>	14813	19-7	0815	Fri	MFA Moscow. Message to Russian embassy Madrid	MFSK-66	(SP1)
<b>M42</b>	14686	22-7	0920	Mon	MFA Moscow. Traffic for Russian embassy Rabat	OFDM+MFSK-66	(SP1)
<b>M42</b>	17425	23-7	0800	Tue	MFA Moscow. Traffic to Russian embassy Beijing	OFDM+MFSK-66	(SP1)
<b>M42</b>	11545	25-7	0750	Thu	MFA Moscow. Traffic to Russian embassy Baghdad i.p.	MFSK-66	(AB)
<b>M42</b>	16313	25-7	1113	Thu	MFA Moscow i.p.	Serdolik	(AB)
<b>M42</b>	12090	26-7	0836	Fri	MFA Moscow. Unsuccessful link attempt	40Bd 35-tone MFSK	(Danix)
<b>M42</b>	12090	26-7	0841	Fri	MFA Moscow. Unsuccessful link attempt	40Bd 35-tone MFSK	(Danix)
<b>M42</b>	16313	26-7	0846	Fri	MFA Moscow wkg Russian Embassy Dar es Salaam, TZA. QSX 17471 kHz	40Bd 35-tone MFSK	(Danix)
<b>M42</b>	17471	26-7	0846	Fri	Russian Embassy Dar es Salaam, TZA wkg MFA Moscow, RUS. QSX 16313 kHz	40Bd 35-tone MFSK	(Danix)
<b>M42</b>	18540	26-7	0917	Fri	Russian Embassy Dar es Salaam, TZA wkg MFA Moscow, RUS. QSX 16313 kHz (QSY from 17471 kHz)	40Bd 35-tone MFSK	(Danix)
<b>M42</b>	13410	28-7	1032	Sun	MFA Moscow. Traffic for Russian embassy Algiers	MFSK-66	(SP1)
<b>M51a</b>	3881	4-7	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	4-7	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	4-7	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	4-7	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	5-7	0830	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	5-7	0830	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	5-7	1130	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	5-7	1130	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	6-7	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages //3881 kHz	CW	(AB)
<b>M51a</b>	6825	6-7	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages //6825 kHz	CW	(AB)
<b>M51a</b>	3881	6-7	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	6825	6-7	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages	CW	(AB)
<b>M51a</b>	3881	12-7	0830	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)

<b>M51a</b>	6825	12-7	0830	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	12-7	1130	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	12-7	1130	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51a</b>	3881	25-7	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
<b>M51a</b>	6825	25-7	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	5-7	0735	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	5-7	0735	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	6-7	0608	Sat	Endless 5-character stream i.p. //6825 kHz	CW	(AB)
<b>M51b</b>	6825	6-7	0608	Sat	Endless 5-character stream i.p. //3881 kHz	CW	(AB)
<b>M51b</b>	3881	6-7	0743	Sat	Endless 5-character stream //6825 kHz	CW	(AB)
<b>M51b</b>	6825	6-7	0743	Sat	Endless 5-character stream //3881 kHz	CW	(AB)
<b>M51b</b>	3881	11-7	0950	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	11-7	0950	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	11-7	1735	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	11-7	1735	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	12-7	0505	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	12-7	0505	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	23-7	0735	Tue	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	23-7	0735	Tue	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	25-7	0935	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	25-7	0935	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M89</b>	5177	7-7	1430	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	4192	7-7	1435	Sun	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
<b>M89</b>	4489	7-7	1435	Sun	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
<b>M89</b>	3156	7-7	1438	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	7-7	1438	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	8-7	1144	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
<b>M89</b>	4489	8-7	1144	Mon	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
<b>M89</b>	3156	8-7	1222	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	8-7	1222	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4131	12-7	1632	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	12-7	1652	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	12-7	1652	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	12-7	1654	Fri	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
<b>M89</b>	4489	12-7	1654	Fri	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
<b>M89</b>	6913	15-7	0749	Mon	V 3JWV (x3) DE QH4P (x2)	CW	(JPL)
<b>M89</b>	5691	15-7	0751	Mon	V HFL2 (x3) DE M6NY (x2) //10383 sending different roundslip	CW	(JPL)
<b>M89</b>	10383	15-7	0751	Mon	V 2B7D (x3) DE 3GR1 (x2) //5691 sending different roundslip	CW	(JPL)
<b>M89</b>	4131	15-7	2300	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)



M89	10383	17-7	0751	Wed	V 2B7D (x3) DE 3GR1 (x2)	CW	(JPL)
M89	6913	17-7	0752	Wed	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	17-7	0752	Wed	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4860	21-7	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	21-7	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	21-7	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 4860	CW	(JPL)
M89	4192	21-7	1204	Sun	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	21-7	1204	Sun	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3156	21-7	1206	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	21-7	1206	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5177	21-7	1212	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	22-7	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	7602	22-7	1908	Mon	V DKG6 de 5A7D	CW	(MPJ)
M89	4131	22-7	2100	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	22-7	2104	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-7	2104	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	22-7	2107	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	22-7	2107	Mon	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	4131	26-7	2320	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	26-7	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	26-7	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	26-7	2320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	10383	26-7	2327	Fri	V 2B7D (x3) DE 3GR1 (x2) //6881 sending different roundslip	CW	(JPL)
M89	6913	26-7	2329	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	26-7	2329	Fri	V 3JWV (x3) DE QH4P (x2) //6613	CW	(JPL)
M89	4131	28-7	1319	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4860	28-7	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	28-7	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4192	28-7	1325	Sun	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	28-7	1325	Sun	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3156	28-7	1327	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	28-7	1327	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4720	28-7	1330	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	28-7	1330	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4860	28-7	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	28-7	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6913	28-7	2326	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	10383	28-7	2328	Sun	V 2B7D (x3) DE 3GR1 (x2)	CW	(JPL)
M89	7620	28-7	2330	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)

M89	4131	29-7	1811	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	29-7	1814	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	29-7	1814	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	29-7	1816	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	29-7	1816	Mon	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3636	29-7	1832	Mon	i.p. R R QSA R GA K R GA K R RPT 9 R RPT 18W K R QSL 0238 K	CW	(JPL)
M89	4131	30-7	1536	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	30-7	1538	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3167	30-7	1538	Tue	i.p. 5743 U65T ANN3 DU73 ... R AS GA R GA R GA R GA R QSL 0008 k R SK	CW	(JPL)
M89	3597	30-7	1538	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	30-7	1539	Tue	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	30-7	1539	Tue	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M95	3642	3-7	1534	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	3-7	1534	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	7-7	1431	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	7-7	1431	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	8-7	1149	Mon	VV HR 7G TO YR PSE CY NR 064 CK 16 35 0708 1538 = 5AA UTT TTD 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	8-7	1149	Mon	VV HR 7G TO YR PSE CY NR 064 CK 16 35 0708 1538 = 5AA UTT TTD 3U6 3A4 ... //4243	CW	(JPL)
M95	5801	8-7	1220	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	8-7	1220	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	12-7	1630	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	12-7	1630	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	15-7	0739	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	15-7	2258	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-7	2258	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	17-7	0732	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	17-7	0738	Wed	i.p. CP/1600/XXZ112/6845/6200 AR QSL ? HR WK NR 130 V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	21-7	1143	Sun	BNGC DE XSV85 HR MSG GA PSE CY //8073	CW	(JPL)
M95	8073	21-7	1143	Sun	BNGC DE XSV85 HR MSG GA PSE CY //4364	CW	(JPL)
M95	4243	21-7	1149	Sun	VV HR 7G TO YR PSE CY NR 09 CK 15 35 0721 1528 = //9054	CW	(JPL)
M95	9054	21-7	1149	Sun	VV HR 7G TO YR PSE CY NR 090 CK 15 35 0721 1528 = //4243	CW	(JPL)
M95	5801	21-7	1209	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	21-7	1209	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	21-7	1515	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-7	1515	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	22-7	1139	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0551 CK 182 35 0722 1618 = TUT 3U6 3AN 3A7 ... //8073	CW	(JPL)
M95	8073	22-7	1139	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0551 CK 182 35 0722 1618 = TUT 3U6 3AN 3A7 ... //4364	CW	(JPL)

M95	4243	22-7	1150	Mon	VV HR 7G TO YR PSE CY NR 092 CK 17 35 0722 1525 = 5AA UTT TU..	CW	(JPL)
M95	10180	22-7	1207	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	22-7	2058	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	7602	22-7	2058	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	26-7	2319	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	26-7	2319	Fri	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	9054	26-7	2346	Fri	HR 7G TO YR PSE CY NR 040 CK 14 35 0727 0548 = UT5 TU7 3U4 3AU ... A HR UP SB WK	CW	(JPL)
M95	5801	28-7	1335	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-7	1335	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9054	28-7	2346	Sun	HR 7G TO YR PSE CY NR 046 CK 17 35 0729 0622 = UT5 TUN 3U4 3A4 TTA ...	CW	(JPL)
M95	3642	29-7	1812	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	29-7	1812	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
P03a	12385	1-7	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	1-7	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	1-7	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	1-7	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	2-7	1415	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	2-7	1420	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	2-7	1725	Tue	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5149	2-7	1730	Tue	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16335	3-7	1330	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16335	3-7	1335	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	3-7	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	3-7	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	3-7	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	3-7	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	3-7	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	3-7	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	4-7	1415	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	4-7	1420	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	4-7	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	12153	4-7	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6940	5-7	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	5-7	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	5-7	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	9130	5-7	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5779	5-7	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	5-7	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	6-7	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)



P03a	6304	6-7	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	6-7	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	6-7	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	6-7	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	6-7	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	7-7	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	7-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	7-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	7-7	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	7-7	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	7-7	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	8-7	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	8-7	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	8-7	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	8-7	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16335	10-7	1330	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16335	10-7	1335	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	10-7	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	10-7	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	10-7	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	10-7	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	10-7	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB/SP1)
P03a	16125	10-7	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	11-7	1415	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14972	11-7	1420	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	11-7	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	11-7	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	12-7	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	12-7	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	12-7	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	12-7	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	12-7	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5779	12-7	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6304	13-7	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	13-7	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	13-7	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	13-7	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	13-7	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	13-7	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)

P03a	12153	13-7	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	13-7	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	13-7	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	13-7	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	14-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	14-7	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	14-7	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	14-7	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	14-7	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	9130	14-7	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5149	14-7	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	14-7	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	15-7	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	15-7	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	15-7	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	15-7	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	16-7	1725	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	16-7	1730	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16335	17-7	1330	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16335	17-7	1335	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	17-7	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	17-7	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	17-7	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	17-7	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	17-7	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	17-7	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	18-7	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	18-7	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	19-7	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	19-7	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	19-7	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	19-7	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	20-7	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	20-7	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	20-7	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	20-7	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	20-7	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	20-7	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	20-7	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)

P03a	12153	20-7	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	20-7	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	20-7	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	21-7	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	21-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	21-7	1410	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	21-7	1415	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	21-7	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	21-7	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	21-7	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	21-7	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	22-7	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	22-7	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	22-7	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	22-7	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	23-7	1725	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	23-7	1730	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	24-7	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	24-7	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	24-7	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	24-7	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6940	26-7	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	26-7	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	26-7	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	26-7	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	26-7	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	26-7	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	27-7	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	27-7	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	27-7	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	27-7	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	27-7	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	27-7	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	27-7	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	27-7	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	27-7	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	27-7	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	28-7	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	28-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)

P03a	6940	28-7	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	28-7	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	28-7	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	28-7	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	28-7	1725	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	28-7	1730	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	29-7	1410	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12385	29-7	1415	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	29-7	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	29-7	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	30-7	1725	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5149	30-7	1730	Tue	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	31-7	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	31-7	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	31-7	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	31-7	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03b	8597	3-7	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	3-7	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	10-7	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	10-7	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB/SP1/MPJ)
P03b	8597	17-7	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	17-7	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	24-7	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	24-7	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	28-7	1120	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	28-7	1125	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	31-7	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	31-7	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03c	6849	3-7	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	3-7	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	10-7	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	10-7	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	11-7	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	11-7	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	17-7	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	17-7	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	18-7	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	18-7	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	24-7	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)

P03c	6849	24-7	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	25-7	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	25-7	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	31-7	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	31-7	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03e	14415	5-7	1440	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	5-7	1445	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	7-7	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	7-7	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	12-7	1440	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	12-7	1445	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	14-7	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	14-7	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	19-7	1440	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	19-7	1445	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	21-7	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	21-7	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	26-7	1440	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	26-7	1445	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	28-7	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	28-7	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03f	13537	22-7	0530	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	22-7	0535	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	29-7	0530	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	29-7	0535	Mon	Polish Intel.	QPSK 200Bd	(AB)
Q26	5280	2-7	1100	Tue	Chinese military sending messages. Repeated in CW (M95) and voice (V26)	4+4 QPSK 75/3000 LSB	(EW)
Q26	4243	8-7	1141	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	8-7	1141	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	21-7	1139	Sun	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	21-7	1139	Sun	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	21-7	1147	Sun	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	21-7	1147	Sun	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	17535	22-7	0924	Mon	Chinese Navy vessel in the Baltic Sea (at 56..75°N 19.55°E)	4+4 QPSK 75/3000 LSB	(Danix)
Q26	4364	22-7	1133	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	22-7	1133	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	22-7	1146	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	26-7	2342	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	28-7	2340	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL)
S06	15875	4-7	0830	Thu	842 735 42 31291 79516 92983 ... 20198 19367 63590 735 42 00000	USB	(AB-RUS/HFD)

<b>S06</b>	13469	4-7	0930	Thu	842 735 42 31291 79516 92983 ... 20198 19367 63590 735 42 00000	USB	(AB-RUS/HFD-CHN)
<b>S06</b>	15875	5-7	0830	Fri	842 735 42 31291 79516 92983 ... 20198 19367 63590 735 42 00000	USB	(AB-J)
<b>S06</b>	13469	5-7	0930	Fri	842 735 42 31291 79516 92983 ... 20198 19367 63590 735 42 00000	USB	(AB-RUS)
<b>S06</b>	9336	5-7	2000	Fri	327 327 327 00000	USB	(RL)
<b>S06</b>	7314	5-7	2100	Fri	627 627 627 00000	USB	(AB)
<b>S06</b>	15875	11-7	0830	Thu	842 619 45 54675 22121 06899 ... 21768 21813 99050 619 45 00000	USB	(AB-J)
<b>S06</b>	13469	11-7	0930	Thu	842 619 45 54675 22121 06899 ... 21768 21813 99050 619 45 00000	USB	(AB-J)
<b>S06</b>	15875	12-7	0830	Fri	842 619 45 54675 22121 06899 ... 21768 21813 99050 619 45 00000	USB	(AB-J)
<b>S06</b>	13469	12-7	0930	Fri	842 619 45 54675 22121 06899 ... 21768 21813 99050 619 45 00000	USB	(AB-J/MPJ-CHN)
<b>S06</b>	15875	18-7	0830	Thu	842 705 36 91059 71128 85734 ... 34363 34662 68098 705 36 00000	USB	(AB-J)
<b>S06</b>	13469	18-7	0930	Thu	842 705 36 91059 71128 85734 ... 34363 34662 68098 705 36 00000	USB	(AB-J)
<b>S06</b>	15875	19-7	0830	Fri	842 705 36 91059 71128 85734 ... 34363 34662 68098 705 36 00000	USB	(AB-J)
<b>S06</b>	13469	19-7	0930	Fri	842 705 36 91059 71128 85734 ... 34363 34662 68098 705 36 00000	USB	(AB-J)
<b>S06</b>	15875	25-7	0830	Thu	842 ... (too weak to copy)	USB	(AB-J)
<b>S06</b>	13469	25-7	0930	Thu	842 ... (too weak to copy)	USB	(AB-J)
<b>S06s</b>	16320	1-7	0630	Mon	524 897 6 33684 93413 13805 93922 96191 80933 897 6 00000	USB	(AB)
<b>S06s</b>	14875	1-7	0640	Mon	524 897 6 33684 93413 13805 93922 96191 80933 897 6 00000	USB	(AB)
<b>S06s</b>	8221	1-7	0830	Mon	371 240 5 89964 76695 41068 16101 03982 240 5 00000	USB	(AB)
<b>S06s</b>	9353	1-7	0840	Mon	371 240 5 89964 76695 41068 16101 03982 240 5 00000	USB	(AB)
<b>S06s</b>	16381	1-7	0900	Mon	872 413 5 42312 96937 40933 38656 90649 413 5 00000	AM/USB	(AB)
<b>S06s</b>	14836	1-7	0910	Mon	872 413 5 42312 96937 40933 38656 90649 413 5 00000	AM/USB	(AB)
<b>S06s</b>	10230	1-7	1200	Mon	831 276 5 50339 46064 92797 86013 58879 276 5 00000	USB	(AB)
<b>S06s</b>	12165	1-7	1210	Mon	831 276 5 50339 46064 92797 86013 58879 276 5 00000	USB	(AB)
<b>S06s</b>	15945	2-7	0600	Tue	438 915 6 60284 00960 65139 71205 51648 05133 915 6 00000	USB	(AB)
<b>S06s</b>	16945	2-7	0610	Tue	438 915 6 60284 00960 65139 71205 51648 05133 915 6 00000	USB	(AB)
<b>S06s</b>	5430	2-7	0700	Tue	374 218 5 42990 33000 32968 35332 36880 218 5 00000	USB	(AB-POL)
<b>S06s</b>	6780	2-7	0715	Tue	374 218 5 42990 33000 32968 35332 36880 218 5 00000	USB	(AB-POL)
<b>S06s</b>	7365	2-7	0730	Tue	427 538 6 33640 38293 33663 35358 41385 36362 538 6 00000	USB	(AB)
<b>S06s</b>	11655	2-7	0740	Tue	427 538 6 33640 38293 33663 35358 41385 36362 538 6 00000	USB	(AB)
<b>S06s</b>	14374	2-7	0800	Tue	352 490 6 36880 33582 44060 33600 47061 46300 490 6 00000	AM/USB	(AB)
<b>S06s</b>	12836	2-7	0810	Tue	352 490 6 36880 33582 44060 33600 47061 46300 490 6 00000 should be on 12936 kHz	AM/USB	(AB)
<b>S06s</b>	4820	2-7	1000	Tue	893 510 6 32619 31250 46280 83060 43879 40606 510 6 00000	USB	(AB-POL)
<b>S06s</b>	5660	2-7	1010	Tue	893 510 6 32619 31250 46280 83060 43879 40606 510 6 00000	USB	(AB-POL)
<b>S06s</b>	6810	2-7	1100	Tue	754 210 6 36374 38915 33676 32679 93099 40606 210 6 00000	USB	(AB-AUT)
<b>S06s</b>	7560	2-7	1110	Tue	754 210 6 36374 38915 33676 32679 93099 40606 210 6 00000	USB	(AB-AUT)
<b>S06s</b>	6766	2-7	1500	Tue	537 489 6 31502 33886 33766 37399 32148 35819 489 6 00000	USB	(AB-AUT)
<b>S06s</b>	7744	2-7	1510	Tue	537 489 6 31502 33886 33766 37399 32148 35819 489 6 00000	USB	(AB-AUT)
<b>S06s</b>	14977	3-7	0740	Wed	745 918 6 43806 44187 46688 40529 30535 918 6 00000. Sent only 5 groups.	USB	(AB)
<b>S06s</b>	11565	3-7	0830	Wed	464 512 7 37833 30024 32958 32235 87855 53367 99630 512 7 00000	USB	(AB)



S06s	12560	3-7	0840	Wed	464 512 7 37833 30024 32958 32235 87855 53367 99630 512 7 00000	USB	(AB)
S06s	14580	3-7	1000	Wed	729 514 6 88443 36772 98493 36340 32048 34338 514 6 00000	USB	(AB)
S06s	16020	3-7	1010	Wed	729 514 6 88443 36772 98493 36340 32048 34338 514 6 00000	USB	(AB)
S06s	9255	4-7	0930	Thu	314 209 5 33633 35358 41385 36362 43010 209 5 00000	USB	(AB)
S06s	10325	4-7	0940	Thu	314 209 5 33633 35358 41385 36362 43010 209 5 00000	USB	(AB)
S06s	13145	4-7	1200	Thu	425 938 6 81235 32469 33311 37642 66212 34237 938 6 00000	USB	(AB)
S06s	14535	4-7	1210	Thu	425 938 6 81235 32469 33311 37642 66212 34237 938 6 00000	USB	(AB)
S06s	10290	5-7	0630	Fri	516 270 8 31467 33351 43533 35211 33212 38714 36997 80093 270 8 00000	USB	(AB)
S06s	9655	5-7	0640	Fri	516 270 8 31467 33351 43533 35211 33212 38714 36997 80093 270 8 00000	USB	(AB)
S06s	6844	5-7	0900	Fri	624 957 8 38882 37914 30901 45985 85258 74738 16533 30807 957 8 00000	USB	(AB-POL)
S06s	7161	5-7	0910	Fri	624 957 8 38882 37914 30901 45985 85258 74738 16533 30807 957 8 00000	USB	(AB-POL)
S06s	12460	6-7	0800	Sat	254 879 6 42881 54814 38884 24421 40239 38792 879 6 00000	USB	(AB)
S06s	10250	6-7	0810	Sat	254 879 6 42881 54814 38884 24421 40239 38792 879 6 00000	USB	(AB)
S06s	16320	8-7	0630	Mon	524 897 6 33684 93413 13805 93922 96191 80933 897 6 00000	USB	(AB)
S06s	14875	8-7	0640	Mon	524 897 6 33684 93413 13805 93922 96191 80933 897 6 00000	USB	(AB)
S06s	8221	8-7	0830	Mon	371 240 5 89964 76695 41068 16101 03982 240 5 00000	USB	(AB)
S06s	9353	8-7	0840	Mon	371 240 5 89964 76695 41068 16101 03982 240 5 00000	USB	(AB)
S06s	16381	8-7	0900	Mon	872 413 5 42312 96937 40933 38656 90649 413 5 00000	AM/USB	(AB/SP1)
S06s	14836	8-7	0910	Mon	872 413 5 42312 96937 40933 38656 90649 413 5 00000	AM/USB	(AB)
S06s	10230	8-7	1200	Mon	831 276 5 50339 46064 92797 86013 58879 276 5 00000	USB	(AB/MPJ)
S06s	12165	8-7	1210	Mon	831 276 5 50339 46064 92797 86013 58879 276 5 00000	USB	(AB/MPJ)
S06s	4820	9-7	1000	Tue	893 510 6 32619 31250 46280 83060 43879 40606 510 6 00000	USB	(AB-POL)
S06s	5660	9-7	1010	Tue	893 510 6 32619 31250 46280 83060 43879 40606 510 6 00000	USB	(AB-POL)
S06s	6810	9-7	1100	Tue	754 210 6 36374 38915 33676 32679 93099 40606 210 6 00000	USB	(AB-AUT/MPJ-I)
S06s	7560	9-7	1110	Tue	754 210 6 36374 38915 33676 32679 93099 40606 210 6 00000	USB	(AB-AUT/MPJ-I)
S06s	6766	9-7	1500	Tue	537 489 6 31502 33886 33766 37399 32148 35819 489 6 00000	USB	(AB-AUT)
S06s	7744	9-7	1510	Tue	537 489 6 31502 33886 33766 37399 32148 35819 489 6 00000	USB	(AB-AUT/MPJ)
S06s	11530	10-7	0730	Wed	745 918 6 43806 44187 46688 40529 30535 918 6 00000. Sent only 5 groups	USB	(AB)
S06s	14977	10-7	0740	Wed	745 918 6 43806 44187 46688 40529 30535 918 6 00000. Sent only 5 groups	USB	(AB)
S06s	11565	10-7	0830	Wed	464 512 7 37833 30024 32958 32235 87855 53367 99630 512 7 00000	USB	(AB)
S06s	12560	10-7	0840	Wed	464 512 7 37833 30024 32958 32235 87855 53367 99630 512 7 00000	USB	(AB)
S06s	14580	10-7	1000	Wed	729 514 6 88443 36772 98493 36340 32048 34338 514 6 00000	USB	(AB)
S06s	16020	10-7	1010	Wed	729 514 6 88443 36772 98493 36340 32048 34338 514 6 00000	USB	(AB)
S06s	9255	11-7	0930	Thu	314 209 5 33633 35358 41385 36362 43010 209 5 00000	USB	(AB)
S06s	10325	11-7	0940	Thu	314 209 5 33633 35358 41385 36362 43010 209 5 00000	USB	(AB)
S06s	13145	11-7	1200	Thu	425 938 6 81235 32469 33311 37642 66212 34237 938 6 00000	USB	(AB/MPJ)
S06s	14535	11-7	1210	Thu	425 938 6 81235 32469 33311 37642 66212 34237 938 6 00000	USB	(AB/MPJ)
S06s	10290	12-7	0630	Fri	516 270 8 31467 33351 43533 35211 33212 38714 36997 80093 270 8 00000	USB	(AB)
S06s	9655	12-7	0640	Fri	516 270 8 31467 33351 43533 35211 33212 38714 36997 80093 270 8 00000	USB	(AB)

S06s	6844	12-7	0900	Fri	624 957 8 38882 37914 30901 45985 85258 74738 16533 30807 957 8 00000	USB	(AB)
S06s	7161	12-7	0910	Fri	624 957 8 38882 37914 30901 45985 85258 74738 16533 30807 957 8 00000	USB	(AB)
S06s	16320	15-7	0630	Mon	524 890 6 30130 30905 37181 39971 35748 35931 890 6 00000	USB	(AB)
S06s	14875	15-7	0640	Mon	524 890 6 30130 30905 37181 39971 35748 35931 890 6 00000	USB	(AB)
S06s	8221	15-7	0830	Mon	371 902 5 36148 25163 22415 25821 73717 902 5 00000	USB	(AB)
S06s	9353	15-7	0840	Mon	371 902 5 36148 25163 22415 25821 73717 902 5 00000	USB	(AB)
S06s	16381	15-7	0900	Mon	872 936 5 44613 30309 39342 35474 35494 936 5 00000	AM/USB	(AB)
S06s	14836	15-7	0910	Mon	872 936 5 44613 30309 39342 35474 35494 936 5 00000	AM/USB	(AB)
S06s	10230	15-7	1200	Mon	831 974 5 32993 23539 38408 36363 36982 974 5 00000	USB	(AB/MPJ)
S06s	12165	15-7	1210	Mon	831 974 5 32993 23539 38408 36363 36982 974 5 00000	USB	(AB/MPJ)
S06s	15945	16-7	0600	Tue	438 290 5 35944 64372 13079 10915 84612 290 5 00000	USB	(AB)
S06s	16945	16-7	0610	Tue	438 290 5 35944 64372 13079 10915 84612 290 5 00000	USB	(AB)
S06s	5430	16-7	0700	Tue	374 508 6 33640 38293 43330 32403 88443 36772 508 6 00000	USB	(AB-POL)
S06s	6780	16-7	0715	Tue	374 508 6 33640 38293 43330 32403 88443 36772 508 6 00000	USB	(AB-POL)
S06s	7365	16-7	0730	Tue	427 985 6 81235 32469 33311 37642 86212 43808 985 6 00000	USB	(AB)
S06s	11655	16-7	0740	Tue	427 985 6 81235 32469 33311 37642 86212 43808 985 6 00000	USB	(AB)
S06s	14374	16-7	0800	Tue	352 904 6 31467 33351 43533 35211 33212 38714 904 6 00000	AM/USB	(AB)
S06s	12936	16-7	0810	Tue	352 904 6 31467 33351 43533 35211 33212 38714 904 6 00000	AM/USB	(AB)
S06s	4820	16-7	1000	Tue	893 421 5 42990 33000 32968 85332 36880 421 5 00000	USB	(AB-POL)
S06s	5660	16-7	1010	Tue	893 421 5 42990 33000 32968 85332 36880 421 5 00000	USB	(AB-POL)
S06s	6810	16-7	1100	Tue	754 801 6 43798 46937 33032 38334 44613 30309 801 6 00000	USB	(AB-POL)
S06s	7560	16-7	1110	Tue	754 801 6 43798 46937 33032 38334 44613 30309 801 6 00000	USB	(AB)
S06s	6766	16-7	1500	Tue	537 912 6 46062 68672 97478 30685 30485 96632 912 6 00000	USB	(AB-AUT/MPJ-AUT)
S06s	7744	16-7	1510	Tue	537 912 6 46062 68672 97478 30685 30485 96632 912 6 00000	USB	(AB-AUT/MPJ-AUT)
S06s	11530	17-7	0730	Wed	745 290 6 26990 59806 71432 74537 10108 99601 290 6 00000	USB	(AB-AUT)/HFD
S06s	14977	17-7	0740	Wed	745 290 6 26990 59806 71432 74537 10108 99601 290 6 00000	USB	(AB/HFD)
S06s	11565	17-7	0830	Wed	464 521 7 42990 22000 22968 35222 26880 22582 47061 521 7 00000	USB	(AB)
S06s	12560	17-7	0840	Wed	464 521 7 42990 22000 22968 35222 26880 22582 47061 521 7 00000	USB	(AB)
S06s	14580	17-7	1000	Wed	729 541 6 28294 27130 22902 93322 95247 22002 541 6 00000	USB	(AB)
S06s	16020	17-7	1010	Wed	729 541 6 28294 27130 22902 93322 95247 22002 541 6 00000	USB	(AB)
S06s	9255	18-7	0930	Thu	314 896 5 33796 13577 74261 88146 40678 896 5 00000	USB	(AB-AUT)
S06s	10325	18-7	0940	Thu	314 896 5 33796 13577 74261 88146 40678 896 5 00000	USB	(AB)
S06s	13145	18-7	1200	Thu	425 891 6 15009 34140 78386 91497 82963 24163 891 6 00000	USB	(AB/MPJ)
S06s	14535	18-7	1210	Thu	425 891 6 15009 34140 78386 91497 82963 24163 891 6 00000	USB	(AB/MPJ)
S06s	10290	19-7	0630	Fri	516 923 7 88569 89617 25757 77159 95225 84090 09531 923 7 00000	USB	(AB)
S06s	9655	19-7	0640	Fri	516 923 7 88569 89617 25757 77159 95225 84090 09531 923 7 00000	USB	(AB)
S06s	6844	19-7	0900	Fri	624 830 5 39534 17228 15636 47891 23247 830 5 00000	USB	(AB)
S06s	7161	19-7	0910	Fri	624 830 5 39534 17228 15636 47891 23247 830 5 00000	USB	(AB)
S06s	16320	22-7	0630	Mon	524 890 6 30130 30905 37181 39971 35748 35931 890 6 00000	USB	(AB)



S06s	14875	22-7	0640	Mon	524 890 6 30130 30905 37181 39971 35748 35931 890 6 00000	USB	(AB)
S06s	8221	22-7	0830	Mon	371 902 5 36148 25163 22415 25821 73717 902 5 00000	USB	(AB)
S06s	9353	22-7	0840	Mon	371 902 5 36148 25163 22415 25821 73717 902 5 00000	USB	(AB)
S06s	16381	22-7	0900	Mon	872 936 5 44613 30309 39342 35474 35494 936 5 00000	AM/USB	(AB)
S06s	14836	22-7	0910	Mon	872 936 5 44613 30309 39342 35474 35494 936 5 00000	AM/USB	(AB)
S06s	10230	22-7	1200	Mon	831 974 5 32993 23539 38408 36363 36982 974 5 00000	USB	(AB/MPJ)
S06s	12165	22-7	1210	Mon	831 974 5 32993 23539 38408 36363 36982 974 5 00000	USB	(AB/MPJ)
S06s	15945	23-7	0600	Tue	438 290 5 35944 64372 13079 10915 84612 290 5 00000	USB	(AB)
S06s	16945	23-7	0610	Tue	438 290 5 35944 64372 13079 10915 84612 290 5 00000	USB	(AB)
S06s	5430	23-7	0700	Tue	374 508 6 33640 38293 43330 32403 88443 36772 508 6 00000	USB	(AB)
S06s	6780	23-7	0715	Tue	374 508 6 33640 38293 43330 32403 88443 36772 508 6 00000	USB	(AB)
S06s	7365	23-7	0730	Tue	427 985 6 81235 32469 33311 37642 86212 43808 985 6 00000	USB	(AB)
S06s	11655	23-7	0740	Tue	427 985 6 81235 32469 33311 37642 86212 43808 985 6 00000	USB	(AB)
S06s	14374	23-7	0800	Tue	352 904 6 31467 33351 43533 35211 33212 38714 904 6 00000	AM/USB	(AB)
S06s	12936	23-7	0810	Tue	352 904 6 31467 33351 43533 35211 33212 38714 904 6 00000	AM/USB	(AB)
S06s	4820	23-7	1000	Tue	893 421 5 42990 33000 32968 85332 36880 421 5 00000	USB	(AB-POL)
S06s	5660	23-7	1010	Tue	893 421 5 42990 33000 32968 85332 36880 421 5 00000	USB	(AB-POL)
S06s	6810	23-7	1100	Tue	754 801 6 43798 46937 33032 38334 44613 30309 801 6 00000	USB	(AB-POL/MPJ)
S06s	7560	23-7	1110	Tue	754 801 6 43798 46937 33032 38334 44613 30309 801 6 00000	USB	(AB/MPJ)
S06s	6766	23-7	1500	Tue	537 912 6 46062 68672 97478 30685 30485 96632 912 6 00000	USB	(AB-AUT/MPJ)
S06s	7744	23-7	1510	Tue	537 912 6 46062 68672 97478 30685 30485 96632 912 6 00000	USB	(AB-AUT/MPJ)
S06s	11530	24-7	0730	Wed	745 290 6 26990 59806 71432 74537 10108 99601 290 6 00000	USB	(AB-AUT)
S06s	14977	24-7	0740	Wed	745 290 6 26990 59806 71432 74537 10108 99601 290 6 00000	USB	(AB)
S06s	11565	24-7	0830	Wed	464 521 7 42990 22000 22968 35222 26880 22582 47061 521 7 00000	USB	(AB)
S06s	12560	24-7	0840	Wed	464 521 7 42990 22000 22968 35222 26880 22582 47061 521 7 00000	USB	(AB)
S06s	14580	24-7	1000	Wed	729 541 6 28294 27130 22902 93322 95247 22002 541 6 00000	USB	(AB)
S06s	16020	24-7	1010	Wed	729 541 6 28294 27130 22902 93322 95247 22002 541 6 00000	USB	(AB)
S06s	9255	25-7	0930	Thu	314 896 5 33796 13577 74261 88146 40678 896 5 00000	USB	(AB)
S06s	10325	25-7	0940	Thu	314 896 5 33796 13577 74261 88146 40678 896 5 00000	USB	(AB)
S06s	13145	25-7	1200	Thu	425 891 6 15009 34140 78386 91497 82963 24163 891 6 00000	USB	(AB/MPJ)
S06s	14535	25-7	1210	Thu	425 891 6 15009 34140 78386 91497 82963 24163 891 6 00000	USB	(AB/MPJ)
S06s	10290	26-7	0630	Fri	516 923 7 88569 89617 25757 77159 95225 84090 09531 923 7 00000	USB	(AB)
S06s	9655	26-7	0640	Fri	516 923 7 88569 89617 25757 77159 95225 84090 09531 923 7 00000	USB	(AB)
S06s	6844	26-7	0900	Fri	624 830 5 39534 17228 15636 47891 23247 830 5 00000	USB	(AB)
S06s	7161	26-7	0910	Fri	624 830 5 39534 17228 15636 47891 23247 830 5 00000	USB	(AB/AnEur)
S06s	16320	29-7	0630	Mon	524 524 524 00000	USB	(AB)
S06s	14875	29-7	0640	Mon	524 524 524 00000	USB	(AB)
S06s	8221	29-7	0830	Mon	371 371 371 00000	USB	(AB)
S06s	9353	29-7	0840	Mon	371 371 371 00000	USB	(AB)

<b>S06s</b>	16381	29-7	0900	Mon	872 872 872 00000	AM/USB	(AB)
<b>S06s</b>	14836	29-7	0910	Mon	872 872 872 00000	AM/USB	(AB)
<b>S06s</b>	10230	29-7	1200	Mon	831 831 831 00000	USB	(AB/MPJ)
<b>S06s</b>	12165	29-7	1210	Mon	831 831 831 00000	USB	(AB/MPJ)
<b>S06s</b>	6766	30-7	1500	Tue	537 537 537 00000	USB	(MPJ)
<b>S06s</b>	7744	30-7	1510	Tue	537 537 537 00000	USB	(MPJ)
<b>S06s</b>	11530	31-7	0730	Wed	745 745 745 00000	USB	(AB)
<b>S06s</b>	14977	31-7	0740	Wed	745 745 745 00000	USB	(AB)
<b>S06s</b>	11565	31-7	0830	Wed	464 464 464 00000	USB	(AB)
<b>S06s</b>	12560	31-7	0840	Wed	464 464 464 00000	USB	(AB)
<b>S06s</b>	14580	31-7	1000	Wed	729 729 729 00000	USB	(AB)
<b>S06s</b>	16020	31-7	1010	Wed	729 729 729 00000	USB	(AB)
<b>S11a</b>	5082	1-7	0915	Mon	484/00	USB	(AB)
<b>S11a</b>	10210	1-7	1015	Mon	479/00	USB	(AB)
<b>S11a</b>	5844	2-7	0455	Tue	320/00	USB	(AB)
<b>S11a</b>	5149	3-7	1100	Wed	370/32 Vnimanije 50724 00654 07192 ... 36866 83852 39592 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	12457	3-7	1850	Wed	284/34 Vnimanije 24448 14874 14032 ... 18662 51363 07480 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	10210	4-7	1015	Thu	476/00	USB	(AB)
<b>S11a</b>	5844	5-7	0455	Fri	321/00	USB	(AB)
<b>S11a</b>	5149	5-7	1100	Fri	370/32 Vnimanije 50724 00654 07192 ... 36866 83852 39592 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	12457	6-7	1850	Sat	284/34 Vnimanije 24448 14874 14032 ... 18662 51363 07480 Vnimanije (message repeated) Konets	USB	(MPJ)
<b>S11a</b>	5082	8-7	0915	Mon	487/00	USB	(AB)
<b>S11a</b>	10210	8-7	1015	Mon	471/39 Vnimanije 08379 77228 11295 ... 38046 04860 15497 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	5149	10-7	1100	Wed	370/00	USB	(AB/MPJ)
<b>S11a</b>	12457	10-7	1850	Wed	284/00	USB	(AB/MPJ/RL)
<b>S11a</b>	10210	11-7	1015	Thu	471/39 Vnimanije 08379 77228 11295 ... 38046 04860 15497 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	5082	12-7	0915	Fri	481/00	USB	(AB)
<b>S11a</b>	6977	12-7	1020	Fri	425/40 Vnimanije 82029 93542 05662 ... 02301 91970 56674 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	5149	12-7	1100	Fri	372/00	USB	(AB)
<b>S11a</b>	12457	13-7	1850	Sat	288/00	USB	(AB/MPJ)
<b>S11a</b>	5082	15-7	0915	Mon	483/35 Vnimanije 73774 64235 72370 ... 86922 45197 02464 Vnimanije (message repeated) Konets	USB	(AB)

<b>S11a</b>	10210	15-7	1015	Mon	475/00	USB	(AB)
<b>S11a</b>	6977	16-7	1020	Tue	420/00	USB	(AB)
<b>S11a</b>	5149	17-7	1100	Wed	377/00	USB	(AB)
<b>S11a</b>	12457	17-7	1850	Wed	286/00	USB	(AB)
<b>S11a</b>	10210	18-7	1015	Thu	477/00	USB	(AB)
<b>S11a</b>	5082	19-7	0915	Fri	483/35 Vnimanaye 73774 64235 72370 ... 86922 45197 02464 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	6977	19-7	1020	Fri	427/00	USB	(AB)
<b>S11a</b>	5149	19-7	1100	Fri	377/00	USB	(AB)
<b>S11a</b>	12457	20-7	1850	Sat	287/00	USB	(AB/MPJ)
<b>S11a</b>	5082	22-7	0915	Mon	483/00	USB	(AB)
<b>S11a</b>	10210	22-7	1015	Mon	476/00	USB	(AB)
<b>S11a</b>	6977	23-7	1020	Tue	427/00	USB	(AB)
<b>S11a</b>	5149	24-7	1100	Wed	376/00	USB	(AB)
<b>S11a</b>	12457	24-7	1850	Wed	285/00	USB	(AB/MPJ)
<b>S11a</b>	10210	25-7	1015	Thu	477/00	USB	(AB)
<b>S11a</b>	5082	26-7	0915	Fri	480/00	USB	(AnEur)
<b>S11a</b>	6977	26-7	1020	Fri	424/00	USB	(AB)
<b>S11a</b>	5149	26-7	1100	Fri	372/00	USB	(AB/MPJ)
<b>S11a</b>	12457	27-7	1850	Sat	282/00	USB	(MPJ)
<b>S11a</b>	5082	29-7	0915	Mon	483/00	USB	(AB)
<b>S11a</b>	10210	29-7	1015	Mon	478/00	USB	(AB)
<b>S11a</b>	5149	31-7	1100	Wed	377/00	USB	(MPJ)
<b>S11a</b>	12457	31-7	1850	Wed	280/00	USB	(AB/MPJ)
<b>S30</b>	5448	3-7	0819	Wed	5Y7SHCH 32556 GONKONG 81745707	USB	(AnEur)
<b>S30</b>	5448	3-7	0843	Wed	TUZR 33409 MALAKHAY 46484503	USB	(AnEur)
<b>S30</b>	5448	3-7	1158	Wed	49FT 51374 ZHLOBOKLIR 0848 3284	USB	(AnEur)
<b>S30</b>	5448	3-7	1200	Wed	DMTS3 97611 VESTIMYY 0848 9800	USB	(AnEur)
<b>S30</b>	5448	3-7	1202	Wed	8MUO 18159 YEVANGELIST 0848 4123	USB	(AnEur)
<b>S30</b>	5448	3-7	1204	Wed	TUZR 72819 KAYUKODOZH 0848 3493	USB	(AnEur)
<b>V07</b>	13521	21-7	0300	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J/HFD)
<b>V07</b>	12121	21-7	0320	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J/HFD)
<b>V07</b>	11421	21-7	0340	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J/HFD)
<b>V07</b>	13521	28-7	0300	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J)
<b>V07</b>	12121	28-7	0320	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J)
<b>V07</b>	11421	28-7	0340	Sun	514 514 514 1 7530 102 45409 80605 96984 ... 85760 24051 000 000	USB	(Dan-J)
<b>V13</b>	18040	15-7	0738	Mon	New Star Broadcasting. 4FGs i.p.	USB	(Danix-J)
<b>V13</b>	18040	15-7	0830	Mon	New Star Broadcasting. Intro music followed by 4FG traffic	USB	(Danix-J)
<b>V13</b>	18040	19-7	0130	Fri	New Star Broadcasting. Traditional Chinese music intro, followed by a message in Chinese	USB	(JM)

<b>V13</b>	18040	19-7	0826	Fri	New Star Broadcasting i.p.	USB	(AB-J)
<b>V13</b>	18040	20-7	0700	Sat	New Star Broadcasting #3	USB	(AB-J/Danix-J)
<b>V13</b>	18040	23-7	0701	Tue	New Star Broadcasting #3	USB	(Danix-J)
<b>V13</b>	18040	23-7	0800	Tue	New Star Broadcasting #3	USB	(Danix-J)
<b>V13</b>	18040	24-7	0801	Wed	New Star Broadcasting #3	USB	(AB)
<b>V13</b>	18040	25-7	0700	Thu	New Star Broadcasting #3	USB	(AB-J)
<b>V13</b>	18040	25-7	0801	Thu	New Star Broadcasting #3	USB	(AB-J)
<b>V13</b>	18040	31-7	0203	Wed	New Star Broadcasting. Sudden stop without typical ending behavior, then a very faint restart, before eventual normalcy.	USB	(MJ-CHN)
<b>V13</b>	18040	31-7	0800	Wed	New Star Broadcasting #3. Music and message	USB	(Phi)
<b>V24</b>	4925	11-7	1430	Thu	Piano music followed by a message in Korean	AM	(AB)
<b>V24</b>	4925	15-7	1430	Mon	Piano music followed by a message on Korean	AM	(AB)
<b>V24</b>	5900	15-7	1600	Mon	Song followed by a message in Korean	AM	(AB)
<b>V24</b>	5900	22-7	1600	Mon	Song followed by a message in Korean	AM	(AB)
<b>V24</b>	4900	23-7	1530	Tue	K-popsong followed by a message in Korean	AM	(AB)
<b>V26</b>	4243	8-7	1140	Mon	Callup in Chinese //9054	USB	(JPL)
<b>V26</b>	9054	8-7	1140	Mon	Callup in Chinese //4243	USB	(JPL)
<b>V26</b>	4243	8-7	1217	Mon	Messages in Chinese. Female operator //9054	USB	(JPL)
<b>V26</b>	9054	8-7	1217	Mon	Messages in Chinese. Female operator //4243	USB	(JPL)
<b>V26</b>	4243	21-7	1202	Sun	Messages in Chinese //9054	USB	(JPL)
<b>V26</b>	9054	21-7	1202	Sun	Messages in Chinese //4243	USB	(JPL)
<b>V26</b>	4243	22-7	1203	Mon	Messages in Chinese voice	USB	(JPL)
<b>V26</b>	9054	26-7	2359	Fri	Messages in Chinese voice	USB	(JPL)
<b>V26</b>	9054	28-7	2340	Sun	Callup in Chinese voice	USB	(JPL)
<b>V26</b>	9054	28-7	2359	Sun	Messages in Chinese voice	USB	(JPL)
<b>VC01</b>	3196	9-7	1545	Tue	Chinese Robot i.p.	USB	(BW3-J)
<b>VC01</b>	4265	9-7	1552	Tue	Chinese Robot i.p.	LSB	(BW3-J)
<b>VC01</b>	4265	12-7	1519	Fri	Chinese Robot i.p.	LSB	(BW3-J)
<b>X06</b>	14825	1-7	0930	Mon	MFA Moscow clg 641523: Russian embassy, Lusaka	MFSK-6	(AB)
<b>X06</b>	10653	12-7	0831	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(ES-HOL)
<b>X06</b>	12122	15-7	0650	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(SP1)
<b>X06</b>	12157	16-7	0800	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(SP1)
<b>X06</b>	12149	16-7	0826	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(ES)
<b>X06b</b>	12223	3-7	1553	Wed	Sequence: 111666 before E07	MFSK-6	(AB)
<b>X06b</b>	12223	3-7	1557	Wed	Sequence: 111666 before E07	MFSK-6	(AB)
<b>X06b</b>	13394	7-7	2012	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	13394	7-7	2014	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	13394	7-7	2019	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	11023	10-7	1618	Wed	Mazielka before E07	MFSK-6	(SP1)

<b>X06b</b>	14763	10-7	1807	Wed	Sequence: 111222 before E07	MFSK-6	(AB)
<b>X06b</b>	14763	10-7	1811	Wed	Sequence: 666444 before E07	MFSK-6	(AB/SP1)
<b>X06b</b>	13394	14-7	2030	Sun	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	13444	16-7	1802	Tue	Sequence: 111666 before XPB1	MFSK-6	(ES)
<b>XPA1</b>	10446	4-7	0710	Thu	367 367 367 1 07631 00098 72786 ... 62022 00544 56116	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	11474	4-7	0730	Thu	367 367 367 1 07631 00098 72786 ... 62022 00544 56116	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	12175	4-7	0750	Thu	367 367 367 1 07631 00098 72786 ... 62022 00544 56116	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	10446	9-7	0710	Tue	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(SP1)
<b>XPA1</b>	10446	11-7	0710	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11474	11-7	0730	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB/SP1)
<b>XPA1</b>	12175	11-7	0750	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10446	16-7	0710	Tue	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11474	16-7	0730	Tue	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12175	16-7	0750	Tue	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10446	18-7	0710	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11474	18-7	0730	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB/SP1)
<b>XPA1</b>	12175	18-7	0750	Thu	367 367 367 1 06237 00145 91563 ... 65772 98665 17606	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10446	23-7	0710	Tue	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11474	23-7	0730	Tue	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12175	23-7	0750	Tue	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA1</b>	10446	25-7	0710	Thu	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11474	25-7	0730	Thu	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12175	25-7	0750	Thu	367 367 367 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB)
<b>XPA2</b>	11167	1-7	0700	Mon	04318 00001 00000 36655	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12167	1-7	0720	Mon	04318 00001 00000 36655	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13567	1-7	0740	Mon	04318 00001 00000 36655	MFSK-16/20Bd	(AB)
<b>XPA2</b>	11167	3-7	0700	Wed	Stops after 1 minute	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12167	3-7	0720	Wed	00372 00103 86866 ... 22266 33069 01434	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13567	3-7	0740	Wed	00372 00103 86866 ... 22266 33069 01434	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16296	3-7	0910	Wed	09878 00188 87420 ... 49481 40556 11272	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14981	3-7	0930	Wed	09878 00188 87420 ... 49481 40556 11272	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13953	3-7	0950	Wed	09878 00188 87420 ... 49481 40556 11272	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13445	4-7	0910	Thu	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	12145	4-7	0930	Thu	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	11545	4-7	0950	Thu	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	13538	4-7	1600	Thu	04295 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	14438	4-7	1620	Thu	04295 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	14938	4-7	1640	Thu	04295 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	15967	5-7	2100	Fri	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB/MDK2/HFD)

XPA2	13884	5-7	2120	Fri	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB/MDK2/HFD)
XPA2	12217	5-7	2140	Fri	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB/MDK2/HFD)
XPA2	13445	6-7	0910	Sat	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB)
XPA2	12145	6-7	0930	Sat	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB)
XPA2	11545	6-7	0950	Sat	00582 00090 21165 ... 24132 70086 50116	MFSK-16/20Bd	(AB)
XPA2	13954	6-7	1500	Sat	03534 00001 00000 35656	MFSK-16/20Bd	(AB/MPJ)
XPA2	12154	6-7	1520	Sat	03534 00001 00000 35656	MFSK-16/20Bd	(AB/MPJ)
XPA2	11454	6-7	1540	Sat	03534 00001 00000 35656	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	6-7	2100	Sat	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB)
XPA2	13884	6-7	2120	Sat	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB)
XPA2	12217	6-7	2140	Sat	00162 00060 69847 ... 55243 68882 75740	MFSK-16/20Bd	(AB)
XPA2	13394	7-7	2100	Sun	04495 00001 00000 35655	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	12194	7-7	2120	Sun	04495 00001 00000 35665	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	10794	7-7	2140	Sun	04495 00001 00000 35665	MFSK-16/20Bd	(AB/RL)
XPA2	11167	8-7	0700	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	12167	8-7	0720	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	13567	8-7	0740	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	16296	8-7	0910	Mon	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB/SP1)
XPA2	14981	8-7	0930	Mon	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB)
XPA2	13953	8-7	0950	Mon	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB)
XPA2	13954	8-7	1500	Mon	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	12154	8-7	1520	Mon	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	11454	8-7	1540	Mon	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	9-7	1600	Tue	00193 00212 84113 26719 94151 ... 43841 54400 75777 75801 14766	MFSK-16/20Bd	(MPJ)
XPA2	14438	9-7	1620	Tue	00193 00212 84113 26719 94151 ... 43841 54400 75777 75801 14766	MFSK-16/20Bd	(MPJ)
XPA2	14938	9-7	1640	Tue	00193 00212 84113 26719 94151 ... 43841 54400 75777 75801 14766	MFSK-16/20Bd	(MPJ)
XPA2	13394	9-7	2100	Tue	03260 00001 00000 32261	MFSK-16/20Bd	(AB/HFD)
XPA2	12194	9-7	2120	Tue	03260 00001 00000 32261	MFSK-16/20Bd	(AB/HFD)
XPA2	10794	9-7	2140	Tue	03260 00001 00000 32261	MFSK-16/20Bd	(AB/HFD)
XPA2	11167	10-7	0700	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	12167	10-7	0720	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	13567	10-7	0740	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	16296	10-7	0910	Wed	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB)
XPA2	14981	10-7	0930	Wed	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB)
XPA2	13953	10-7	0950	Wed	00508 00111 50689 ... 33690 82292 56777	MFSK-16/20Bd	(AB)
XPA2	13445	11-7	0910	Thu	02656 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	12145	11-7	0930	Thu	02656 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	11545	11-7	0950	Thu	02656 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	13538	11-7	1600	Thu	00193 00212 84113 ... 75777 75801 14766	MFSK-16/20Bd	(AB/MPJ)



XPA2	14438	11-7	1620	Thu	00193 00212 84113 ... 75777 75801 14766	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	11-7	1640	Thu	00193 00212 84113 ... 75777 75801 14766	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	12-7	2100	Fri	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB)
XPA2	13884	12-7	2120	Fri	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB/RL)
XPA2	12217	12-7	2140	Fri	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB/RL)
XPA2	13445	13-7	0910	Sat	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	12145	13-7	0930	Sat	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	11545	13-7	0950	Sat	07241 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	13954	13-7	1500	Sat	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	12154	13-7	1520	Sat	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	11454	13-7	1540	Sat	00154 00237 52761 ... 62565 43499 42441	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	13-7	2100	Sat	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB)
XPA2	13884	13-7	2120	Sat	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB)
XPA2	12217	13-7	2140	Sat	00564 00098 76870 ... 85640 68065 15523	MFSK-16/20Bd	(AB/RL)
XPA2	13394	14-7	2100	Sun	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB)
XPA2	12194	14-7	2120	Sun	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB/SP1)
XPA2	10794	14-7	2140	Sun	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB/SP1)
XPA2	11167	15-7	0700	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB/HFD)
XPA2	12167	15-7	0720	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB/HFD)
XPA2	13567	15-7	0740	Mon	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB/HFD)
XPA2	16296	15-7	0910	Mon	04516 00001 00000 36655	MFSK-16/20Bd	(AB/HFD)
XPA2	14981	15-7	0930	Mon	04516 00001 00000 36655	MFSK-16/20Bd	(AB/HFD)
XPA2	13953	15-7	0950	Mon	04516 00001 00000 36655	MFSK-16/20Bd	(AB/HFD)
XPA2	13954	15-7	1500	Mon	05907 00001 00000 41255	MFSK-16/20Bd	(AB/HFD)
XPA2	12154	15-7	1520	Mon	05907 00001 00000 41255	MFSK-16/20Bd	(AB/HFD)
XPA2	11454	15-7	1540	Mon	05907 00001 00000 41255	MFSK-16/20Bd	(AB/HFD)
XPA2	13538	16-7	1600	Tue	05352 00001 00000 33662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	16-7	1620	Tue	05352 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	14938	16-7	1640	Tue	05352 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	13394	16-7	2100	Tue	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB/RL)
XPA2	12194	16-7	2120	Tue	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB/RL)
XPA2	10794	16-7	2140	Tue	08178 00098 51623 ... 54383 15992 67577	MFSK-16/20Bd	(AB/RL)
XPA2	11167	17-7	0700	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	12167	17-7	0720	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	13567	17-7	0740	Wed	05937 00210 40306 ... 42644 43376 36035	MFSK-16/20Bd	(AB)
XPA2	16296	17-7	0910	Wed	05230 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	14981	17-7	0930	Wed	05230 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	13953	17-7	0950	Wed	05230 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	13445	18-7	0910	Thu	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)

XPA2	12145	18-7	0930	Thu	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)
XPA2	11545	18-7	0950	Thu	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)
XPA2	13538	18-7	1600	Thu	06553 00001 00000 35263	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	18-7	1620	Thu	06553 00001 00000 35263	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	18-7	1640	Thu	06553 00001 00000 35263	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	19-7	2100	Fri	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	13884	19-7	2120	Fri	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	12217	19-7	2140	Fri	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	13445	20-7	0910	Sat	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)
XPA2	12145	20-7	0930	Sat	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)
XPA2	11545	20-7	0950	Sat	08610 00112 51271 ... 51231 14466 25655	MFSK-16/20Bd	(AB)
XPA2	13954	20-7	1500	Sat	08040 00001 00000 31264	MFSK-16/20Bd	(AB/MPJ)
XPA2	12154	20-7	1520	Sat	08040 00001 00000 31264	MFSK-16/20Bd	(AB/MPJ)
XPA2	11454	20-7	1540	Sat	08040 00001 00000 31264	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	20-7	2100	Sat	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	13884	20-7	2120	Sat	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	12217	20-7	2140	Sat	08149 00104 79482 ... 46576 00026 31156	MFSK-16/20Bd	(AB)
XPA2	13394	21-7	2100	Sun	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	12194	21-7	2120	Sun	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	10794	21-7	2140	Sun	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	11167	22-7	0700	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	12167	22-7	0720	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	13567	22-7	0740	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	16296	22-7	0910	Mon	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)
XPA2	14981	22-7	0930	Mon	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)
XPA2	13953	22-7	0950	Mon	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)
XPA2	13954	22-7	1500	Mon	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	12154	22-7	1520	Mon	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	11454	22-7	1540	Mon	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	13538	23-7	1600	Tue	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	23-7	1620	Tue	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	23-7	1640	Tue	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	13394	23-7	2100	Tue	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	12194	23-7	2120	Tue	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	10794	23-7	2140	Tue	08159 00102 32926 ... 58809 13166 66477	MFSK-16/20Bd	(AB/Dan)
XPA2	11167	24-7	0700	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	12167	24-7	0720	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	13567	24-7	0740	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	16296	24-7	0910	Wed	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)



XPA2	14981	24-7	0930	Wed	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)
XPA2	13953	24-7	0950	Wed	06821 00061 81041 ... 14307 32122 72134	MFSK-16/20Bd	(AB)
XPA2	13445	25-7	0910	Thu	01365 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	12145	25-7	0930	Thu	01365 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	11545	25-7	0950	Thu	01365 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	13538	25-7	1600	Thu	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	25-7	1620	Thu	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	14938	25-7	1640	Thu	06190 00249 52803 ... 06103 26136 26642	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	26-7	2100	Fri	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB)
XPA2	13884	26-7	2120	Fri	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB)
XPA2	12217	26-7	2140	Fri	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB/MDK2)
XPA2	13445	27-7	0910	Sat	04045 00001 00000 33660	MFSK-16/20Bd	(AB/MPJ)
XPA2	12145	27-7	0930	Sat	04045 00001 00000 33660	MFSK-16/20Bd	(AB/MPJ)
XPA2	11545	27-7	0950	Sat	04045 00001 00000 33660	MFSK-16/20Bd	(AB/MPJ)
XPA2	13954	27-7	1500	Sat	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	12154	27-7	1520	Sat	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	11454	27-7	1540	Sat	08595 00207 71505 ... 97090 33783 04146	MFSK-16/20Bd	(AB)
XPA2	15967	27-7	2100	Sat	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB)
XPA2	13884	27-7	2120	Sat	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB)
XPA2	12217	27-7	2140	Sat	00130 00108 24223 ... 78427 66432 63304	MFSK-16/20Bd	(AB/RL)
XPA2	13394	28-7	2100	Sun	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	12194	28-7	2120	Sun	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB/Dan)
XPA2	10794	28-7	2140	Sun	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB/SP1/Dan)
XPA2	11167	29-7	0700	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	12167	29-7	0720	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	13567	29-7	0740	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	16296	29-7	0910	Mon	01383 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	14981	29-7	0930	Mon	01383 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13953	29-7	0950	Mon	01383 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13954	29-7	1500	Mon	08744 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	12154	29-7	1520	Mon	08744 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	11454	29-7	1540	Mon	08744 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	30-7	1600	Tue	07975 00001 00000 40266	MFSK-16/20Bd	(MPJ)
XPA2	14438	30-7	1620	Tue	07975 00001 00000 40266	MFSK-16/20Bd	(MPJ)
XPA2	14938	30-7	1640	Tue	07975 00001 00000 40266	MFSK-16/20Bd	(MPJ)
XPA2	13394	30-7	2100	Tue	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB)
XPA2	12194	30-7	2120	Tue	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB)
XPA2	10794	30-7	2140	Tue	00393 00198 82437 ... 69766 23916 61253	MFSK-16/20Bd	(AB)
XPA2	11167	31-7	0700	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)

<b>XPA2</b>	12167	31-7	0720	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13567	31-7	0740	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16296	31-7	0910	Wed	01618 00001 00000 40252	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14981	31-7	0930	Wed	01618 00001 00000 40252	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13953	31-7	0950	Wed	01618 00001 00000 40252	MFSK-16/20Bd	(AB)
<b>XPB1</b>	14644	7-7	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ/Dan/HFD)
<b>XPB1</b>	13444	7-7	1910	Sun	Russian Intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	12144	7-7	1920	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
<b>XPB1</b>	11044	7-7	1930	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
<b>XPB1</b>	10344	7-7	1940	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
<b>XPB1</b>	9244	7-7	1950	Sun	Russian Intel.	MFSK-16	(AB/Dan/HFD)
<b>XPB1</b>	14644	9-7	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	9-7	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12144	9-7	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)
<b>XPB1</b>	11044	9-7	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	10344	9-7	1940	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9244	9-7	1950	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	14-7	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	14-7	1910	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12144	14-7	1920	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11044	14-7	1930	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10344	14-7	1940	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9244	14-7	1950	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	16-7	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	16-7	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)
<b>XPB1</b>	12144	16-7	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ/RL)
<b>XPB1</b>	11044	16-7	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	10344	16-7	1940	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9244	16-7	1950	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	21-7	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	21-7	1910	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12144	21-7	1920	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11044	21-7	1930	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10344	21-7	1940	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9244	21-7	1950	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	23-7	1900	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	23-7	1910	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12144	23-7	1920	Tue	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11044	23-7	1930	Tue	Russian Intel.	MFSK-16	(AB/RL)

<b>XPB1</b>	10344	23-7	1940	Tue	Russian Intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9244	23-7	1950	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	28-7	1900	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	13444	28-7	1910	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12144	28-7	1920	Sun	Russian Intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11044	28-7	1930	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10344	28-7	1940	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9244	28-7	1950	Sun	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	14644	30-7	1900	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	13444	30-7	1910	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	12144	30-7	1920	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	11044	30-7	1930	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	10344	30-7	1940	Tue	Russian Intel.	MFSK-16	(AB)
<b>XPB1</b>	9244	30-7	1950	Tue	Russian Intel.	MFSK-16	(AB)
<b>XSL</b>	4153	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	4-7	0617	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	11-7	0554	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

<b>XSL</b>	8588	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	24-7	0723	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	31-7	0628	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AUT	Ary Boender via remote rx Austria
AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-USA	Ary Boender via remote rx USA
AnEur	Anonymous Europe
BW3-J	Barry Williams via remote rx Japan
Dan	Daniel LU5EMM, Argentina
Danix	Danix111, Poland
Danix-J	Danix via remote rx Japan
Danix-USA	Danix via remote rx USA
Dan-J	Daniel LU5EMM via remote rx Japan
ES	Edward Smith, UK
ES-HOL	Edward Smith via remote rx Netherlands
EW	Eddy Waters, Australia
GHn	Gary Hagermann, UK
JPL	JPL, NB, Canada (and various remote rx)
JPL-Sib	JPL via remote rx Siberia
JU	Jay Updike, W. Europe
MAUK	MikeA, UK
MDK2	MDK2, USA
MJ	Mary Johnson, Canada
MJ-CHN	Mary Johnson via remote rx China
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-CHN	Jim via remote rx China
RL	Roberto Landolpho, Brazil
RR2	Rich Ray, IL, USA
SP1	Sylvain, France
WP3	Wolfgang Palmberger

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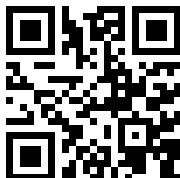
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591 87364 87265 96710 27630 12673 84769 28743 98127 00  
3 63298 75698 27405 87326 49876 28376 81273 98615 00  
67 87432 74328 78674 29867 32867 67867 86786 43286 48  
57 68768 68763 34234 34238 68768 62342 48273 48768 23  
736 98432 32432 86743 43286 43286 43286 43286 43286 43  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
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