

6	27364	92836	89428	61298	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
1	87364	87265	96710	27630	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	40
43	86743	86743	39867	32867	86743	43286	43286	43243	86
18	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	8
10	87698	69876	87698	69876	87612	12341	34867	86798	6
1	43298	65656	56756	56123	32143	14321	32143	14321	30
707	58765	76587	58765	76587	58765	76587	58765	76587	20

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #254, November 2018

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

Welcome to yet another edition of Numbers & Oddities. A bit late, due to circumstances.

First an interesting news item. Forwarded by Avare:

Russian spy arrested in Austria. The spy probably received instructions via numbers stations.

<https://diepresse.com/home/innenpolitik/5527188/Putins-Spion-im-Wiener-Verteidigungsministerium>

*"Zur verschlüsselten Kommunikation stellten die Russen ihrem österreichischen Spion mehrere, inzwischen beschlagnahmte Geräte zur Verfügung. Der Austausch lief unter anderem auch über einen Weltempfänger. Man vereinbarte eine bestimmte Uhrzeit, eine bestimmte Frequenz und setzte dann über vereinbarte Codes, Zahlenkombinationen zum Beispiel, Informationen ab. So konnten vermutlich auch Aufträge erteilt werden"*

Translated in English:

*For encrypted communication, the Russians have provided their Austrian spy with various devices, including a shortwave radio. They agreed a specific time and frequency and transmitted information via agreed codes; number combinations for example. In this way orders could be given.*

## VOICE STATIONS

### E06

**20140 kHz, 01-11/02-11, 0700 UTC**

**18285 kHz, 02-11, 0600 UTC**

507 284 61

13227 81745 69496 44444 30009 26048 54584 55410 57419 17630

98337 69329 32354 66929 57717 29355 41790 28926 83077 39590

42848 47198 57232 13684 76697 67225 80697 94820 37257 23613

26571 23850 80610 30929 13473 97754 86080 32840 69913 85635

04914 89267 89082 94405 57479 06132 95815 01372 64963 37577

76978 95908 26456 15163 45906 97391 77392 83821 41007 41600

90283

284 61 00000

**4836 kHz, 01-11, 2024 UTC** 111 111 111 00000

**4836 kHz, 01-11, 2030 UTC**

321 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848

36457 38491 82713 43143 65689 28756 42351 73145 32424 67857

83273 56425 34245 23246 76879 87435 28184 61547 93671 75364

72825 34732 53426 47589 73647 58326 15264 37485 63542 43557

64536 47586 67453 45684 65783 74859 82736 47382 74651 27631

72361 74827 36452 35263 72813 26743 84732

134 57 00000

**4760 kHz, 02-11, 2130 UTC**

472 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848

36457 38491 82713 43143 65689 28756 42351 73145 32424 67857

83273 56425 34245 23246 76879 87435 28184 61547 93671 75364

72825 34732 53426 47589 73647 58326 15264 37485 63542 43557

64536 47586 67453 45684 65783 74859 82736 47382 74651 27631

72361 74827 36452 35263 72813 26743 84732

134 57 00000

**18285/20140 kHz, 15-11/16-11, 0600/0700 UTC**

507 129 53

73736 01773 05982 44444 24141 63374 46615 02915 33448 99078  
56063 30068 95236 70464 86815 61067 76958 15347 05768 94434  
66415 23684 92460 51676 65159 48329 11632 33797 39806 05348  
33520 16580 67195 43563 00367 76825 34337 88034 62537 66737  
79075 87143 32722 78834 82421 17986 31623 67191 48474 29747  
23603 21373 32884  
129 53 00000

**4836 kHz, 15-11, 2029 UTC. Early start**

321 671 45

32901 53089 61890 23760 53201 07234 54009 67230 19089 45239  
35690 13654 67134 67341 60089 24561 40890 34576 16789 67834  
46789 32178 56431 78065 36098 34089 25470 16589 36708 53789  
35612 72089 45190 25670 14672 67123 67309 23581 34890 35612  
78123 00567 24654 87130 55791  
671 45 00000

**4760 kHz, 16-11, 2130 UTC**

472 671 45

32901 53089 61890 23760 53201 07234 54009 67230 19089 45239  
35690 13654 67134 67341 60089 24561 40890 34576 16789 67834  
46789 32178 56431 78065 36098 34089 25470 16589 36708 53789  
35612 72089 45190 25670 14672 67123 67309 23581 34890 35612  
78123 00567 24654 87130 55791  
671 45 00000

**16175 kHz, 29-11, 0300 UTC**

361 427 427 50 50

52915 37325 38909 12800 78532 45747 85354 79895 54275 55382  
36090 86104 46695 18005 20071 01658 09263 87559 15006 30022  
08898 21574 98160 80649 83460 37335 71084 11355 47387 08906  
87945 88754 87649 15502 42172 40219 17247 77870 91079 95795  
78391 42897 23174 43293 12601 02810 97818 45729 39865 59776  
427 427 50 50 00000

**E07****10112/11112/12112 kHz, 03-11/04-11, 0700/0720/0740 UTC**

111 111 111 1 792 45 792 45

84892 04555 42857 81936 42778 41255 24973 35203 21461 18377  
00604 45982 37067 47883 72988 75614 72812 93690 52770 24249  
84393 60459 34916 71259 13048 57993 77745 74564 49779 74370  
62446 41522 22465 47944 16286 41973 75398 24538 70845 63791  
74072 26994 76425 19471 56313 000 000

**7582/6782/5182 kHz, 04-11/07-11, 1800/1820/1840 UTC**

571 571 571 1 3039 70 3039 70

82653 99858 90076 03123 52452 38441 02071 03816 17181 00388  
51644 96339 72855 47928 19013 70600 04381 91776 70903 66701  
28982 14633 92151 40512 32274 81357 39458 43059 83709 63701  
51100 99931 90178 24199 04474 56296 10230 70295 22463 70606  
73557 82048 12436 16938 06976 52187 56480 22345 35500 40648  
88733 07459 86620 82891 37309 82476 71527 69118 92127 35946  
02511 74090 24662 35694 59220 09476 64042 53538 42535 94053  
000 000

**11474/10274 kHz, 08-11/10-11, 1410/1430 UTC**

327 327 327 1 146 71 146 71  
63040 83348 47651 39038 64942 61009 78237 72708 75553 48434  
50042 74012 48995 33471 76168 33930 99847 71232 73480 34880  
70276 60326 20337 71119 56881 56249 07837 23487 08728 05845  
45832 07446 50191 60568 35537 52115 42198 65945 24316 91839  
88581 97453 67462 57899 96326 43061 10308 06306 13917 26307  
98288 52068 18650 53518 08676 62204 06486 43647 35965 27761  
70497 97780 63710 26722 30569 17634 26732 80635 63263 67784  
25351 000 000

**15823/16323/18623 kHz, 09-11, 0700/0720/0740 UTC**

836 836 836 1 449 87 449 87  
23464 45274 30119 46234 98562 83498 29120 34925 04429 55745  
61651 50194 37934 22675 45744 17619 49337 08777 23220 68611  
59541 80395 80029 58326 57203 61540 92636 83632 72163 00788  
15391 89784 65553 22371 76331 11912 87232 64810 27596 16237  
79763 31329 26884 28988 93286 06775 21285 85378 62235 72416  
40459 30251 01000 06568 68175 68608 87194 28314 26271 72704  
65353 65020 46950 95963 34456 48858 71467 19922 02424 08823  
26785 94276 16164 61906 04108 66648 29050 49832 79290 94502  
77714 07130 37041 04489 44808 78674 75160 000 000

**14884/13384/11584 kHz, 09-11/13-11, 1100/1120/1140 UTC**

835 835 835 1 7178 75 7178 75  
31840 13376 82982 17709 77256 03499 49909 27608 27324 84340  
33445 78061 45391 38010 07294 83907 57608 55144 82948 35797  
96444 50883 66320 89521 99677 74916 73379 84082 61439 15277  
14473 07755 08696 83827 14207 32636 64867 28861 74009 65792  
47989 45050 34862 75139 86227 49954 08050 97290 31295 81502  
42599 21259 34022 80720 89685 10080 13092 92704 92084 72459  
85506 23582 20616 13034 55060 14360 02994 62264 65411 81881  
17574 05136 15951 35411 89451 000 000

**11574/10274/9274 kHz, 10-11, 1410/1430/1450 UTC**

327 327 327 1 146 71 146 71  
63040 83348 47651 39038 64942 61009 78237 72708 75553 48434  
74012 48995 33471 76168 33930 99847 71232 73480 34880 70276  
60326 20337 71819 56881 56249 07837 23487 08728 05845 45832  
07446 50191 60568 35537 52115 42198 65945 24316 91839 88581  
97453 67462 57899 96226 43061 10308 06306 13917 26307 98288  
52068 18650 53518 08676 02204 06484 93647 35965 27761 70497  
26722 30569 17634 26732 80635 63263 67784 25351  
000 000

**7582/6782/5182 kHz, 11-11/14-11/18-11/21-11/25-11/28-11, 1800/1820/1840 UTC**

**6215.6 kHz LSB, 18-11, 1840 UTC. Mirror of 5182 kHz**

571 571 571 1 3036 92 3036 92  
13515 84481 53201 68569 29803 62376 61973 07212 13395 51635  
30239 60061 15533 12258 65438 96162 26408 93958 07773 42147  
80647 94347 30702 40696 25763 70498 67083 61265 99785 35781  
50665 53982 68240 93462 70345 49464 51314 40714 40912 48718  
57527 28686 49869 64004 33801 75014 90535 69618 50643 71374  
87159 10491 77097 94055 42729 25245 45472 57994 49262 59651  
06551 14156 63093 37027 83651 05387 99467 31369 43212 73194  
69663 21628 41631 46936 02151 82230 59749 64828 61800 14749  
16357 85151 54667 92849 74196 11868 45159 63886 35803 53821  
30214 06972 000 000

**15823/16323/18623 kHz, 13-11, 0700/0720/0740 UTC**

836 836 836 1 449 87 449 87  
23464 45274 30119 46234 98562 83498 29120 34925 04429 55745  
61651 50194 37934 22675 45744 17619 49337 08777 23220 68611  
59541 80395 80029 58326 57203 61540 92636 83632 72163 00788  
15391 89784 65553 22371 76331 11912 87232 64810 27596 16237  
79763 31329 26884 28988 93286 06775 21285 85378 62235 72416  
40459 30251 01000 06568 68175 68608 87194 28314 26271 72704  
65353 65020 46950 95963 34456 38858 71467 19922 02424 08823  
26785 94276 16164 61906 04108 66648 29050 49832 79290 94502  
77714 07130 37041 04489 44808 78674 75160 000 000

**7616/ 6816/5216 kHz, 14-11/19-11/21-11/26-11/28-11, 2000/2020/2040 UTC**

682 682 682 1 129 44 129 44  
90721 61618 10199 45452 02784 58551 48608 07717 17294 08096  
68477 03502 55638 47728 80320 05313 06843 66913 98342 86330  
83859 19236 71732 47314 98902 33160 90747 67901 05602 59069  
84768 19087 94430 37980 14711 24483 15939 50686 13095 08494  
00116 49089 57157 72134 000 000

**11574/10274/9274 kHz, 22-11/24-11, 1410/1430/1450 UTC**

327 327 327 1 9610 65 9610 65  
24259 86837 13927 64796 66174 35656 46739 60478 86762 53641  
58205 89772 26470 16294 35394 38047 20783 08716 85933 06008  
21842 76875 52456 08693 15146 95271 01508 56478 38206 22270  
28502 41914 71960 82053 13539 25539 08187 13593 60277 47254  
88714 71051 85148 40237 92164 38153 12937 85123 39950 89596  
40998 67577 53752 67411 91323 55378 49920 55391 60674 85544  
57806 62360 30342 20610 75626 000 000

**15823/16323/18623 kHz, 23-11/27-11, 0700/0720/0740 UTC**

836 836 836 1 221 71 221 71  
21794 83321 70047 90493 56163 17953 35572 15753 62025 87061  
89173 81798 67221 22681 83282 05606 08691 67803 06709 10675  
25308 22001 20206 18087 80710 61182 84526 23022 54938 41279  
93023 40114 52679 72671 10884 89047 96316 68161 48024 45870  
90911 87443 49784 76678 13425 39677 17818 95865 88779 49822  
19475 67087 34957 96762 99415 04643 17111 84641 63513 06306  
03551 45960 64577 05898 01370 72618 34995 40734 28970 75532  
03934 000 000

**14884/13384/11584 kHz, 23-11/27-11, 1100/1120/1140 UTC**

835 835 835 1 453 139 453 139  
77227 99277 26639 91929 08130 09431 33247 01246 02605 53105  
67273 95147 17001 66886 56064 91472 44503 02221 96989 86143  
74261 45240 71526 19786 39826 67277 61022 00464 41592 46648  
47153 27694 23502 39171 02314 15306 35507 81614 52149 79373  
96799 57308 54953 29828 18591 42969 68603 72639 34126 63967  
98283 50949 88314 41929 21692 26746 40535 48943 03671 29357  
26915 60870 03766 76626 27716 35490 13300 65490 03450 70577  
32826 42116 34447 44027 25862 34446 65082 70806 55710 94132  
26861 84378 18216 64530 21827 72740 54061 51741 58466 07974  
84178 73092 57289 52725 71777 69131 46277 64536 81989 33348  
83710 95977 99644 87226 41672 06904 98587 51882 06076 83205  
08196 12161 03121 77041 43553 37693 97484 60288 12564 16482  
54494 58217 38965 07607 20213 82309 17078 11312 54111 18568  
63648 89860 49158 91629 43093 77907 03704 14437 77271 000 000

## ***E07a***

### **5111/5811/6911 kHz, 01-11, 0530/0550/0610 UTC**

189 189 189 1 31602 445 63 445 63  
31013 24099 21904 38374 49956 88041 86113 37017 29794 75099  
90482 51970 20051 65899 41036 27462 08218 46440 20301 33923  
95275 61119 06546 16322 56025 24646 46316 43866 64753 92727  
86539 05184 14089 26258 46393 74555 37978 78666 18559 44945  
68768 97064 80624 10343 40666 14912 52950 40837 14277 91547  
52574 64173 96420 80019 69721 26282 77244 65498 94109 67003  
38347 54270 28258 000 000

### **8138/7538/6838 kHz, 02-11, 1610/1630/1650 UTC**

158 158 158 1 35046 409 57 409 57  
85452 86068 17867 01730 66442 74569 58168 79767 82691 30865  
88888 07020 91480 22410 06819 20314 60534 26594 56331 12066  
50565 46105 38002 39800 32276 77056 39904 39387 41389 68932  
58729 96959 83223 84981 99144 28026 15087 71565 19712 45999  
53270 98291 66890 18351 88233 57485 81672 02825 69080 24771  
15991 85084 25131 77115 05559 66820 51919 000 000

### **11553/12153/13553 kHz, 03-11, 1000/1020/1040 UTC**

515 515 515 1 35046 409 57 409 57  
85452 86068 17867 01730 66442 74569 58168 79767 82691 30865  
88888 07020 91480 22410 06819 20314 60534 26594 56331 12066  
50565 46105 38002 39800 32276 77056 39904 39387 41389 68932  
58729 96959 83223 84981 99144 28026 15087 71565 19712 45999  
53270 98291 66890 18351 88233 57485 81672 02825 69080 24771  
15991 85084 25131 77115 05559 66820 51919 000 000

## ***E11a***

### **4505 kHz, 03-11/04-11, 0710 UTC**

497/37  
41568 70544 75027 86997 83716 20205 45578 41079 68255 17135  
07462 90822 45497 34981 14257 26067 24749 20468 46177 60030  
51071 66385 20282 75509 70454 60548 23801 01799 07008 41823  
28246 74622 74947 20015 93791 51925 59594  
(message repeated) Out.

### **16335 kHz, 04-11, 1650 UTC**

922/34  
50448 03855 27718 85876 74616 48177 18895 17165 99863 16148  
77296 63704 32194 16660 20078 84586 33569 54789 40634 45145  
34243 03582 00934 33985 81286 22985 91807 93126 11122 23618  
77663 58494 85976 44517  
(message repeated) Out.

### **11450 kHz, 05-11, 0640 UTC**

944/30  
30252 25282 54764 45339 81196 80520 55342 76170 32929 15455  
72045 22063 10627 16790 13026 57612 76942 76175 20012 88529  
51832 62901 66357 96962 85174 25859 56050 97168 80088 32358  
(message repeated) Out.

**7984 kHz, 05-11/07-11, 1045 UTC**

694/39

81843 97080 22130 42503 89693 72361 71659 54122 96020 32418  
80578 79255 04289 32387 38762 74535 96846 32074 64984 11715  
40084 58953 23937 98696 39686 89970 32114 03643 29068 43015  
05381 58534 22734 79647 91357 55406 81288 12521 45622

(message repeated) Out.

**14666 kHz, 06-11/10-11, 1345 UTC**

911/34

77822 83372 40608 03323 14468 14720 32397 11247 55634 10747  
12259 60006 57462 47943 91849 59067 07311 10313 47887 73254  
08024 14508 92532 12903 10966 48198 56583 29422 07380 03050  
55473 46937 22365 27075

(repeat message) Out.

**12067 kHz, 06-11, 1925 UTC**

550/31

41228 06084 80996 29081 01155 66319 61303 93303 26991 64242  
37550 04515 19713 51111 59795 92939 92742 59648 99855 75529  
21873 98175 59901 76899 92861 24773 06917 50363 36847 81463  
46918

(message repeated) Out.

**11450 kHz, 07-11, 0640 UTC**

944/30

30252 25282 54764 45339 81196 80520 55342 76170 32929 15455  
72045 22063 10627 16790 13026 57612 76942 76175 20012 88529  
51832 62901 66357 96962 85174 25859 56050 97168 80088 32358

(message repeated) Out. "

**8545 kHz, 07-11/10-11, 1730 UTC**

400/31

23389 08164 61659 63299 13298 17250 96327 72494 29435 57825  
22664 51272 09580 53939 29073 95831 49512 96543 12997 29515  
26461 34387 00322 80674 27572 66127 50943 93789 77692 06605  
90913

(message repeated) Out.

**10213 kHz, 12-11/15-11, 0745 UTC**

266/38

61165 21460 86471 17078 35369 20186 86382 53658 60708 15732  
31081 28661 66098 51695 83221 92933 06061 86409 18604 73723  
42929 37232 77275 74739 56851 36413 24903 96208 81367 71600  
87284 66724 83296 52986 13995 14006 57521 54970

(message repeated) Out.

**4909 kHz, 12-11, 0820 UTC**

435/36

79713 80896 63727 22329 54767 53153 04950 39392 04650 82146  
12841 32354 89254 08796 73290 38560 00499 15613 71725 62151  
07823 09995 85969 70587 91031 46021 42885 24150 42593 24930  
55848 15863 41645 88525 88586 86237

(message repeated) Out.

**8597 kHz, 12-11/14-11, 0900 UTC**

533/39

39949 38497 80503 05276 47482 61683 54511 63381 71247 67612  
73339 75617 47462 82040 72970 75533 76673 02407 79406 50584  
94381 70897 61177 67695 34043 53983 44873 81319 35211 57795  
10511 63265 93446 71453 98249 47137 54447 35564 97404

(message repeated) Out.

**6849 kHz, 12-11/15-11, 1900 UTC**

644/40

42830 62952 69047 21458 08177 23757 86738 28777 32235 19021  
82303 45683 61136 60481 50527 10620 68379 21509 50307 63186  
41446 99700 70497 45857 61381 19915 99831 63081 67802 93423  
43028 39742 15595 97759 49473 33642 30956 50104 72821 53593

(message repeated) Out.

**6804 kHz, 13-11/16-11, 0700 UTC**

573/32

33927 73965 66323 57333 42181 58079 05808 53026 66903 70727  
73825 06844 20329 44828 62186 96887 57224 01850 18008 36226  
85715 89100 75406 35373 28476 82347 34931 08335 66102 33064  
79665 36228

(message repeated) Out.

**9130 kHz, 13-11/16-11, 0715 UTC**

630/32

86811 01812 44415 41968 43635 10271 71565 63486 70989 60519  
02685 87879 68113 73437 60173 48740 25512 08426 54254 48490  
15136 92457 35547 31558 75213 60296 59750 85409 55419 40496  
22399 20240

(message repeated) Out.

**17378 kHz, 14-11, 0745 UTC**

343/36

34640 57954 65657 18906 08331 41578 72490 68526 06590 20752  
48958 09253 77491 32924 15259 92073 84594 30883 77274 06403  
76586 14568 46270 68271 87506 79349 84821 30002 22952 23762  
77794 64332 13042 28371 67801 10405

(message repeated) Out

**9443 kHz, 14-11/17-11, 1705 UTC**

392/40

73503 26175 68870 54449 90788 30904 16300 12915 58059 26551  
27756 69138 16782 76354 35765 57997 47954 48136 23451 54116  
63956 48904 30362 93144 73189 31195 34866 03645 35088 81537  
19000 93500 49933 11764 59462 76719 81154 79089 71125 34451

(message repeated) Out

**8680 kHz, 15-11/17-11, 1300 UTC**

580/33

31106 29088 75164 21409 40928 27635 11430 56315 28262 77439  
09476 48401 81289 07424 89592 52023 46135 25920 61584 53199  
83138 75541 71151 77909 17606 40180 92310 09666 14628 00633  
04439 34287 07472

(message repeated) Out

**7377 kHz, 17-11/18-11, 0805 UTC**

313/32

51492 49782 08126 42389 44877 62312 15585 20348 05321 70325  
97303 36551 76178 47078 71248 40799 21201 75228 32017 40338  
71784 04445 52224 07133 20036 52046 35561 29914 95461 51874  
82369 58393

(message repeated) Out



**4909 kHz, 19-11/22-11, 0450 UTC**

414/38

21628 82160 75320 43276 99192 95716 90314 70150 72403 64346  
52863 19902 46040 01310 67689 54441 18533 90984 15573 70214  
22664 39547 72308 14540 59145 28256 25569 48942 46230 34037  
87997 36917 09666 99918 10363 48132 72267 44060

(message Repeated) Out

**9200 kHz, 19-11/23-11, 0600 UTC**

180/28

55106 18679 52978 14571 77258 45207 55377 55548 24484 91791  
35628 18743 00931 31083 32244 25722 07564 96448 18581 44072  
43783 38948 16157 44736 09843 45587 42548 67436

(message Repeated) Out

**20167 kHz, 19-11, 1225 UTC**

521/36

94076 57447 83479 69500 57019 27225 30501 64495 24502 03247  
99080 21062 67157 39984 37035 00931 85472 11836 04796 81426  
39462 40575 89160 35288 61662 90519 46274 09479 65111 50553  
10610 74795 50886 05917 94420 74202

(message Repeated) Out

**7317 kHz, 20-11/21-11, 1205 UTC**

465/33 Attention

35829 74494 69904 08607 74534 21579 07829 52386 35673 10459  
32745 76819 51776 44673 36944 08822 98494 21891 40254 28270  
22599 51926 27672 14847 00546 82207 38437 32510 32835 68402  
15829 74903 46646

Attention (message repeated) Out

**4505 kHz, 20-11/25-11, 1605 UTC**

236/32 Attention

50394 43952 07905 77960 34769 79852 91656 35409 03176 32171  
27737 37185 76125 10577 36415 96182 14818 89024 60926 44613  
03225 42792 05829 87452 26887 34489 47462 81729 26190 51193  
09404 98834

Attention (message repeated) Out

**8180 kHz, 21-11, 0930 UTC**

275/31 Attention

83597 80980 42840 65528 39161 04229 90441 23434 34438 75419  
80532 09811 52048 45552 25227 79938 48734 90457 26591 23134  
70202 82776 12841 44862 37819 09463 86295 95805 35883 58380  
11418

Attention (message repeated) Out

**11104 kHz, 22-11, 0845 UTC**

151/27 Attention

35008 61096 44816 88901 12663 12627 26531 03345 59733 17253  
29120 21423 05696 51250 68775 23876 09677 25370 50573 27564  
43761 91805 17502 14731 65480 65768 31293

Attention (message repeated) Out

**20167 kHz, 23-11, 1225 UTC**

521/36 Attention

94076 57447 83479 69500 57019 27225 30501 64495 24502 03247  
99080 21062 67157 39984 37035 00931 85472 11836 04796 81426  
39462 40575 89160 35288 61662 90519 56274 09479 65111 50553  
10610 74795 50886 05917 94420 74202

Attention (message repeated) Out

**7840 kHz, 27-11/29-11, 0645 UTC**

512/34 Attention

95556 76849 30561 41778 52410 79450 41846 23541 41603 42765  
61517 87043 49162 01855 90951 37389 37113 98003 98457 29449  
47060 51630 20630 78284 53939 22021 57814 40388 64907 85988  
19585 90801 64595 41354

Attention (message repeated) Out

**14611 kHz, 27-11/28-11, 0820 UTC**

132/38 Attention

47083 19533 04344 25757 21339 08503 64707 37632 42197 87357  
63524 39454 10622 90460 06530 34412 42718 85233 08095 72638  
45753 40311 52909 50397 72949 04661 59842 62892 33250 23503  
40404 06560 93354 14850 01522 99848 16845 58335

Attention (message repeated) Out

**8800 kHz, 27-11/30-11, 1000 UTC**

307/27 Attention

47857 04433 34009 31944 06190 17430 47722 39362 56863 86816  
11480 82914 13903 26278 93083 13061 07495 19615 99105 43427  
68533 25054 72084 02915 31960 56528 78622

Attention (message repeated) Out

**6849 kHz, 29-11, 1900 USB**

648/34 Attention

16168 66578 86389 78138 37783 34937 69086 11420 94044 09174  
93654 89365 11500 88456 46731 54652 42480 02646 90588 99691  
50317 01278 55671 21860 24346 15879 14362 28402 46338 49190  
58256 27257 07572 81277

Attention (message repeated) Out

**E17z****11170/9820 kHz, 01-11/08-11, 0800/0810 UTC**

674 839 5 11794 70552 56936 57989 05371 839 5 00000

**11170/9820 kHz, 15-11/22-11, 0800/0810 UTC**

674 985 10 33699 39998 30667 35947 43334 37545 30588 40244 44475 36871 985 10 00000

**11170/9820 kHz, 29-11, 0800/0810 UTC**

674 674 674 00000

## G06

### 4519 kHz, 08-11/22-11, 1829 UTC

271 289 54

12345 89657 45632 65684 95463 84567 06854 84657 91745 19567  
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861  
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353  
92486 17410 97272 49191 04171 42468 12893 89758 43673 48727  
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471  
67578 64618 84021 72492  
289 54 00000

### 4792 kHz, 09-11/23-11, 1928 UTC

436 289 54

12345 89657 45632 65684 95463 84567 06854 84657 91745 19567  
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861  
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353  
92486 17410 97272 49191 04171 42468 12893 89758 43673 48727  
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471  
67578 64618 84021 72492  
289 54 00000  
Windows XP shutdown sound

## S06

### 15721 kHz, 06-11, 0400 UTC

480 951 60

16632 26515 43916 38289 09000 91983 54944 39490 83494 97812  
46803 20978 63922 74943 16370 04151 16543 22131 74205 10140  
67168 61751 20299 58204 83641 65807 53603 12804 11782 55945  
20122 67804 15124 95907 43912 45220 87411 47750 76928 88204  
36284 84019 28659 52964 61589 73076 61481 29280 76767 79743  
62671 44339 46729 48481 29024 29549 40689 61269 24997 55024  
951 60 00000

### 15721 kHz, 07-11, 0400 UTC

480 935 60

65462 41068 09231 30231 08759 56924 39965 14122 44045 36259  
69802 22385 47051 91288 02670 63888 83285 30395 59650 14929  
63598 29677 05495 95517 44368 27648 90846 24282 20761 85261  
21137 06668 86484 78461 88068 36129 58494 15434 24642 12996  
90070 95759 69650 10700 20715 53642 52585 44058 36301 52410  
34890 19288 37916 22475 68500 70455 42832 59934 57603 12027  
935 60 00000

### 9463 kHz, 08-11, 1100 UTC. Two messages

801 469 25

69324 47536 66865 42392 27035 73426 87807 13585 35630 56317  
74220 34790 71646 32047 70039 41917 45765 86761 22696 93104  
03637 97784 46210 52966 15860  
469 25  
801 574 25  
54911 06015 25648 36600 41358 70437 43774 82582 24494 34545  
18067 80943 41313 96370 79008 60635 94278 31674 97655 13246  
97845 70325 86317 90133 32898  
574 25 00000

## **S06s**

### **12360 kHz, 21-11, 1000 UTC**

Wrong frequency. Should have been on 12365 kHz

729 406 5 40936 36892 45221 43796 86234 406 5 00000

### **11780 kHz, 30-11, 0930 UTC**

Transmitter problems. Long tuning then 624 624 624 00000 (the 0900/0910 schedule). Again tuning 0941z followed by the correct one 516 516 516 00000

### **12570 kHz, 30-11, 0951 UTC**

11 minutes late due to problems at 0930z. 516 516 516 00000

## **S11a**

### **11559 kHz, 05-11, 1015 UTC**

475/36

83077 12963 35387 40198 13912 14909 48903 35978 79628 25449

98499 61342 49691 12032 10297 42528 76207 14414 26863 67490

06437 69418 71919 33280 96120 44467 73775 76707 56813 99250

02340 07904 85517 36844 72961 17922

(message repeated) Konets.

### **5815 kHz, 07-11/09-11, 1955 UTC**

376/37

55438 30306 74691 88509 08598 13851 00612 56975 45531 60258

49497 47682 80095 90693 29596 02994 59455 15695 16885 14237

86255 68435 78853 61709 52748 99125 64781 20559 55967 53763

68466 39929 77330 11225 05767 95392 27049

(message repeated) Konets.

### **7600 kHz, 13-11/16-11, 1020 UTC**

421/31

56153 31608 89285 67097 88489 36949 14593 23293 62245 75786

19056 68078 66407 54519 26334 45016 40490 25132 58769 43557

47195 26337 00103 50009 00418 99074 96109 15662 58315 12768

21212

(message repeated) Konets.

### **10728 kHz, 14-11/17-11, 1540 UTC**

567/35

33270 76121 38347 77530 81455 03929 65542 50181 70451 31300

56384 57602 00844 70313 83195 01935 27965 35402 79501 57392

93006 67996 48901 75714 08087 86718 08817 89177 55743 11244

95239 34630 03046 35177 07549

(message repeated) Konets

### **11486 kHz, 14-11/17-11, 1850 UTC. Both transmissions were extremely poor**

286/39

53000 98257 38293 11517 36510 39465 62232 92618 74553 24626

25767 68124 39605 08239 54602 64777 45004 54032 16823 41265

38894 22651 44288 52576 70120 52444 21478 49697 15656 54289

78538 90218 48985 30489 60389 74200 92750 94949 29905

(message repeated) Konets.

**14753 kHz, 27-11, 0735 UTC**

384/39 Vnimanaye

19336 89702 35405 93467 52494 80816 52051 34471 36007 61774

68667 58648 71231 65904 50672 70356 18379 84449 62823 39330

69659 93660 65135 14993 64440 85836 68292 01564 51128 75771

12923 28084 85352 94230 66135 85802 28427 53418 77368

Vnimanaye (message repeated) Konets

**V07****15946/14846/13486 kHz, 11-11, 0100/0120/0140 UTC**

984 984 984 1 240 55 240 55

52272 54143 89935 60032 52580 79643 82190 28007 54812 53732

68377 81450 72459 13711 98911 95489 98977 37205 33238 32115

00999 68817 75436 26273 42038 37390 00677 99756 76766 73482

67000 76172 63749 04069 41925 53044 07258 13878 53098 67041

66918 18152 15319 13221 02599 83308 40905 22000 99855 09317

92848 27867 67589 98188 87281 000 000

**15946/14846/13486 kHz, 25-11, 0100/0120/0140 UTC**

984 984 984 1 8814 67 8814 67

73320 62491 76344 87200 18685 38914 88771 81660 09914 64605

96243 01738 96477 97096 67541 65528 86571 44127 46113 62611

88752 87400 75336 62618 98583 38045 94524 88622 95429 37483

19268 54619 78466 17423 94875 81915 88965 26560 11946 97533

84614 47642 20004 52973 64526 86165 42448 01837 55068 99227

13685 62384 07851 89727 40956 27362 96015 28097 87527 50860

33257 82172 18619 92565 63131 60689 83402 000 000

**V15 via PBS Pyongyang Pansong****657/3320 kHz, 08-11, 1546 UTC, AM**

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

Recording: <http://www.numbersoddities.nl/V15-2018-11-08-1545utc-3320khz.mp3>**657//3320 kHz, 22-11, 1545 UTC, AM**

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

**MORSE STATIONS****M01****5320 kHz, 06-11, 1800 UTC. Different repeats between brackets.**

197 321 321 30 30 = =

77550 43415 52719 85073 76977 00900 73023 (72023) 27149 81173 32659

53748 35844 02057 15548 94594 57007 60003 39779 91136 09327

71241 29246 97172 (94172) 40897 48403 63893 07688 67197 59640 97153

= = 321 321 30 30 000

**4490 kHz, 06-11, 2000 UTC. Different repeats between brackets**

197 317 317 30 30 = =

67951 44165 65731 72305 60851 26322 87932 27582 70406 75420

00929 28453 (28452) 76907 55677 59168 81738 48495 79514 25881 29771

77471 02211 16701 40774 63152 91488 82920 44420 70979 46409

= = 317 317 30 30 000

**5320 kHz, 08-11**

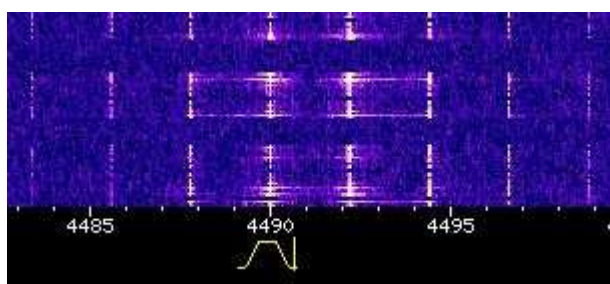
1750 UTC VVV VVV VVV VVV,  
 1751 UTC VVV VVV VVV,  
 1755 UTC 1

**5320 kHz, 08-11, 1800 UTC**

197 141 141 30 30 SK SK  
 13371 94320 52683 22756 96851 94851 97215 60004 26942 26287  
 73774 12840 67121 25223 68841 35823 23598 97415 70663 02119  
 39863 58619 90844 13022 45990 03100 90187 70255 54508 55432  
 SK SK 141 141 30 30 000

**4490 kHz, 08-11, 2000 UTC**

197 229 229 30 30 SK SK  
 51849 96209 32731 77654 93112 14309 19143 91988 48432 70896  
 40932 66908 82321 37640 98914 49249 57331 77132 56575 33205  
 12105 12807 74081 40313 53991 03178 41009 64411 78518 41247  
 SK SK 229 229 30 30 000



M01 on 4490 kHz

**5465 kHz, 11-11, 0700 UTC**

197 721 721 30 30 = = =  
 91788 09563 24697 61185 90813 19810 62439 86429 68439 55968  
 17066 66488 82419 48367 26752 55443 23610 68243 72562 94198  
 67249 81276 14357 52699 89730 04006 92090 06144 00490 63650  
 = = = 721 721 30 30 000

**5465 kHz, 18-11, 0700 UTC. Different repeat between brackets**

VVV VV  
 197 397 397 30 30 = =  
 03260 504881 (50481) 27651 02798 50788 22283 11814 33465 72833 75949  
 50342 83782 41613 42532 69546 58557 78324 89676 43789 27011  
 57260 88566 47080 02380 45164 78333 22734 78685 87983 96401  
 = = 397 397 30 30 000

**4490 kHz, 20-11, 2000 UTC**

197 243 243 30 30 =  
 90389 52859 37234 02721 24432 29702 71231 24548 98620 19448  
 44727 08240 78976 08062 98447 08230 10422 23652 71420 80153  
 29537 36367 51932 03988 94013 33882 67033 40045 98214 75832  
 = = 243 243 30 30 000

**5320 kHz, 22-11, 1800 UTC**

197 717 717 30 30 = =  
 63699 42455 60883 35901 19966 95461 97772 15357 46594 16721  
 44040 01438 47370 39396 25884 40243 05251 26682 80027 16024  
 61990 59210 50484 59825 12938 90717 02437 60353 58878 43711  
 = = 717 717 30 30 000

### 5810 kHz, 24-11, 1500 UTC

197 135 135 30 30 = =  
07269 90181 93725 05298 79848 59788 93029 38775 36401 19443  
05710 55230 43201 89874 12886 15419 88521 77556 16771 31109  
30073 48576 91232 25363 49894 40700 29247 04190 42041 28537  
= = 135 135 30 30 000

### 5465 kHz, 25-11, 0700 UTC

197 248 248 = 30 30 0 =  
53560 71575 61897 94525 76048 82276 42727 93530 47919 39172  
48485 66224 31104 22993 02085 04257 33662 15545 08316 94706  
08316 94706 00705 345 0500705 34537 17178 31234 69811 01418  
70806 86413 74418 17813  
= = 248 248 = 3030 000

Many errors, incomplete repeats and a mess of groups 19-22). On purpose or just a bad operator?

### 5320 kHz, 27-11, 1748 UTC: VVVVVVVVVVVV

#### 5320 kHz, 27-11, 1800 UTC. As sent:

197 529 529 30 30 = =  
92043 92043 59983 59983 60206 60206 99261 99261 67194 67194  
19417 76614 76614 99715 99715 59787 59787 20375 20375 27952  
2795218850 18850 293293363430 63430 3692535 54501 545077140  
77140 59805 59805 79857 79857 55097 55097 04242 04242 80006  
8006 44121 44121 39189 39189 86106 8610 21232 21232 28847 28847  
30504 30504 30317 30317 93204 93204  
= = 529 529 30 30 000

## M08a - Dirección General de Inteligencia

### 8136 kHz, 13-11, 2300 UTC, i.p.

A decoder was used for these messages, hence the errors in the decoded text.

TDUNN SRWNG UUWTDN UNT UTGINT RNRI NTW RA NMRNT AGRRA NITUT NRIRN DNRIU IGT IDTGN IGADT NTRW IDWNG UATGI  
TUIRT SMW NUUUI NRT I ST III UWNUI UNNR TAIRI TWTAIN MUANA DNTDT TRUTT INAI INRAII G II AUJITIIIGIAU IAIGT  
RWT RR WUTNR IRMUI IMTIMTGASNU WNTN UDWAT TNUUI UTRTA TTNDT TRTWU UWDWW INGPI ITUI NHAAA GWT TAANW D AGI  
NTRNT WTAUG NIGUU TNITA URAWT UDAUD ATNGA T UD GNRIG RWWRR ANGIHINTUAIGW A ISIRA TIRURII WIAAW GIDGR GURGA  
DAUIIA ID TTG NIADM TDUNU WWUAG UIUII WGTDU IITDD WINWI I DAIA TIADN ANG DG RGAWA TUGTR GTTTA DU IIN  
+ + +

NNDIN NNDIN NNDIN NNDIN NNDIN = = =  
IDRID GWNTD UIRIG RDWIA RRWDG DRTDW NWDDR ITRTI GRUUU GWMID MURUG GDNDT IUNIT WNGNW IUANI TNTNNA RWIRN RGNRN  
TIIT I RNTRN UWRIN GTDN DURND TTRGW DRNWA RUNIN RWDNIT IMNDD IATRA AUAUT WIWWTW UW ITGDS NM IIIM URING RDRRI  
RDIRT WTDNN AWMII AINGIN ITTAIH R WGD IDIAIT RWRAN N MIUA RTRTW IWNMGAAN RGDGN N IGMW UNIU I NUANW RTTM G  
WRNNT WDWRI DGGAT RIIII AGWMT IAIIRN TRUUT TDDIT NGIG I RDTRR RIGAA WIRDT NGRR UWRGI ANWUA TUURW GUDN R  
INNT AIGTWSUGAN UNNRNAIUG GNNTTN GWNW U DD ARNR T NA UN TNUIT UMIND M TATWI TGWWI UA U IN TUWRI UAAGM IWAUC  
TUIG T RGIAAU AWRIW RTLIT IUTIWSIDRNIT UATGT ITTANTARAA GTNRI UDT MAUTW RWRNA UGGTT GUN T RRUDI TAIGT TRRTS  
RUAII INTAU TRTUT NDNDW RAUTAI AAAGT GDTUW ITRGT AWDGI GNRG TDSAU DDTRT IURGI GGTGI TWATU ISGT MTA R IIWGI  
DAIWM NANRN DIDAD IDUUR AWDDI GANTD NTTGM DINTU DUNII INWWD TRANW ITRTI WTTT TNGRNI RGWWW GRAIT TWTRW D FAU  
RFWDG INAG RATDI  
+ + +

DWRAA DWRAA DWRAA DWRAA DWRAA = = =  
IMIATD RNINT ANGGD IRDAN ANGNIT WRTUF NTTTTI TNITWT NDBRU INTNG TTRND DANIW VAIAA AG I UATDA WAUIT GTADA  
TINDT NAITT RUGWI GRA RGTWT GITWAN HRGAG IUTUT DTIUD INUND NDITT DWADI IWULT TIRTW DBTDT DDUWI RTTUT INGUW  
UA GNIW AGTN DA IAU RWTNNI INTTDT S TDGMN AAWRW AUT RD IANAAN DIIGTD NIATMA AIITD TRA AG DAIRU UUDIW GNRWW  
DTIRR AUTAW SADNT TGUGIM TDUTN ITGWIN AAARI NGRW TAUM I TNPGR ATRRA NIUUD UIAGW IIRAW ADGUT IUTUN NURN  
SAUDD TAING GIDTN WWIRNFNWT NNRGT NATRU RNNNII INTRM DNGDI WATRAS 1WANT RAWD ATNND NDRIIA TGUTR ADFRT GIARA  
TRUUT IDUWD UURIG IDNNI TURUN NTIAI RAWNG NTUGN DIUIR GNRTG WAITTG TGRIN WRWHT MIAAT IDNUW WTTUA RATWG NNAAD  
NDUNN NTTUW RIDDPAIRWAUG ANDTU NWGOR RINWR URTAD ITRMU TVGAW UUTUI NDHTT AUNDI UUNRN WIUDU GNIIW ADIA I GTD  
RWNND GNAIR DIWIIT AAIAT AIGIIT RIITIA TAGIA GTDND TWITI ITWIR AMDAD WIITMI DRTTN IATN WADN AIHNT WAN  
TNTNARU IDNG NAGGU IGTAD AGATI WNUDT URIAR WNART DUNTD ARAW  
+ + + SK

8096 kHz, 15-11, 1356 UTC

AWAWA NGUIN DNGAN AWAWA NGUIN DNGAN AWAWA NGUIN DNGAN

AWAWA AWAWA AWAWA AWAWA AWAWA = = =  
 RUGTG RRRGT WINTT AWNAG GWINW DWATI UNGAA TWIAA WIUGW WWRAN  
 AWWWI GUGRD RDUTW GIDRW ATTDNR NTGGG GIIUG IURGT WADUG WWGGT  
 AWGND RIDWW GUUWG UDNRU NTAGG DAARG ANBDW NARID DATUD URIDW  
 WRUIR UNTWU IWNRT WTRTR RGUGI AIRDN RWUUR GRDDI UUNIA RRDAN  
 NGGGA NRDNN RTGGT GRUGA AIGUD WIATA TANTG DRNNW DUTNG IDRAN  
 TDRID GDGIN WTDIG DNTUT IUAGR GDWTD DRTGN GWIND WADTT IDTTG  
 TUITA AWAUR TNGGU UTIGI RAGIN TRTGW DGIUU AGGDN IATNW WWUWU  
 DUUIR UDGDI DNDGW RTURT ATITR DRATI IRGAT NNNRD NUTAR TIIIW  
 RWTGU TRGWU GNRID TWAWD WTNRA WAAUN GRIII GAAWW NNTDW ARIDU  
 RGGII WUTUD DWURI GIDGT GNIIR TAUGN AUTTT RRNNN GUUIU DDUAD  
 WADGI TWGTW WWGDR NDNAN GRRRR UANGG WATAT TAUNT NTWTN WIDID  
 RUTUU TANDM RTIGD AWINN UGUDW WDWIG RTWII DGUTW TUIWG AGWNW  
 DUWUR GNIIA AGAAD WWGTA WITWA IIRUW MTRUR WTAAA UAITD UTUAT  
 GAATA RWINN RAWNG NNTWT TIUDU TRGNA WUGWA RDTWR UIWAW IWRAR  
 UGAID ARRRT IGNWW WTUDR WAWGT DRIDA AUTUN GRWUT UAAGI NWNNR  
 + + +

NGUIN NGUIN NGUIN NGUIN NGUIN = = =  
 TDATN WNDIW UTIAI TTAII TIIAN NDRAR GTGDD WIDDR WURRW IWTUA  
 RUATN NATID DGIDW DUTII UWWIN GUAWR IRADW NRNGN UNNNR GDARD  
 GIRGN GDWRW RDUAU TDTUT NWNID AGDIN WNTWI GDDIT UITTI NRUII  
 AITGA DTRRU DUDWA GGTAR RGRAI NWWGA NNRRT TGNIT RDUDG RIUAG  
 NUWWT IAUUD RIRTR ATIDD UGDAW NUUWR GUDDN UIIWI ITGGA GNTGN  
 TDRTW DDWIN WARMG NAGDG RTNTT NGGTA DUUWI TAUNI RIIWA WWTGD  
 WINUA ARTWI DWDWI GGTAW IRIDI NITTW WGAAT WIWTG GRDRI GRWRN  
 RUURR WDGTD RIRTR TATTW DANTR GWWTA GINWA GGWUU DUUTA WNRWU  
 AWTAR IRTUA TGTDN TTGRG DUDWI NTGAN IATRI AAGUI UTUDT RNGTR  
 NWUNA IUITT GDTNA WRRDG RUURU ITAGI WNINI DNRAG DGARG NARRW  
 WWUDU GDUUA DIWRD WDTNI UNARN RNIWR NNNTG GUNAU GRDAN ARNDR  
 AADTU NNRGR DNART WUIDW TARIN DIGRG GDDWD GDUTI RTGNN TTNA  
 NWRUR DNTDA TGRAN WNWWA ATIAN NUNDG RGTDA RWIIA AUDTI UGWN  
 GTTAU DWURU WARUR GIWTR WUUTG AWDNR TTGNI RNUAI DUUWU DUDWD  
 ADDRD RDIDI GUUWA TDTWN DDIAT DINNR UIART TDGRN DDUDT NTNUU  
 + + +

DNGAN DNGAN DNGAN DNGAN DNGAN = = =  
 NRUII GGATA RDRNN TTGDI UATWW ITIRT ARWGT WDIDU UWNAD RUUIG  
 UTUGN NINTT ANIRW RWWUR ITIIV TTUNT UGND RNAUW TUUNT GNGUU  
 TATTA IUDDI DNNRW ANTTN WAUAI WRRIR IAGIG WTTWT UAGTW ARDAH  
 RWRTU WWARW WDTTI TGGIW TGRND DAARD WUIAU GRUGT UGTII GUGUU  
 DTUGT TWUTW GGIUT AIRNN TWIRG NWGWN GGRDA IGRRW ADITU NIAIT  
 AUGDW UNIGW TGAGA NGGGG ANGDW NINNW ITRDR DUWAR RGTTN NRINT  
 WDRII UIWNU WTADR GDIGG TAUNU TIGUR ANWAU NUIAA GWUWI TIUGT  
 TTUND NRWUA IGTTA UNGT AENDG GDINI ARNTA NNANW WNTNN URTIG  
 NDRNN TANNI WITIA RADTN WUDUA IDWWW DNIRU NNRII URTND RRWUG  
 GRGDI UIDIN NDIIT TUWNA GTIRW ITRUI RATWR DITDT UURWA IRDUW  
 NAWDR URGUR GTNNI RANTI IWIIN TNRII IRDTR DDNAG RWART UDAUU  
 TGTAI TAWWN DDUTU GITWG RDTIU IGDNN GDADU WADDD GWIAW GUGWN  
 AUWAD IWTNT ITWTW WNATU TIDDR AUNNU DTAGD UTUDR NGGWR ANIDW  
 NUNRN IWRN RAAWW UUUWI NRWDG WTUTW NAAWR GDNRD DDUNT DAGRI  
 UNIWT RWTID RINIWI IRIIT TGNWD RGGNW RNADT WWDGU GIWUW RAARR  
 + + + SK



8136 kHz, 27-11, 2300 UTC, i.p.

A decoder was used for these messages, hence the errors in the decoded text.

GWUNI TTUDU IRIAH GHURN NRGIT RGNMEG RDWDIT RGAAW NTETMD TUTNI WUAWET T TFW UAEGTG TRUUD URANS  
INDDE WUA IU GUDUN RGWRH ARDUW DMDRG EUNID TGAUD ITTUN RTUIW UURIA TARTN TNRUU TUDNU WMTDA RWDGU  
UTAEU AATIAI TDMEID UIWTA UT EWT NDGNT AAWEG ATDNNN IDLRU TAHGG NNNNR NTTGW RWTN IWTRG ADEGW  
WTNTB UAAWTE IAIUE RMIDU ARTRU NTIAA WUTET TRUTA DUGGI ISIUR NNRUG INNGA GUUDW WUWDE DRRG NRRIW  
DDIENN NAUU NIRGT WDGUN RGGAA WATIG ITIDI NFARN RGENIU UHITE NTDRA IIGGI ADIWN UDTUR RWNUI TDDEE  
GNRGR TAWNG DAIAI AHAIW TADSU AENTTT BWTGAT UTAAI IDRTD DIURG NTNUA UGWDT IIWTH AIDDA RIWNT WNAN  
TAATED NETUM TAWVR IGUTA WUITU ADURW NETNTM ITWTR TWHAW TTUHT NTMWU RETWIA ANIIN EMTAAN GIUTW  
RWTNT NARWL NTAAT NEIDT GIMNN RARAT AENUI GNDUU GUTST WTRWI RWGNG RTWGI DRAUG RUITF ARGGN UUNWG  
+ + +

RNDAA RNDAA RNDAA RNDAA RNDAA = = =  
WINNA WVGRE GN NTA ANGR TWTUR NTNHA EAGTND WIATT DRNAI AGINT GRADA AARWW GDAND T DAETT RGNW  
TAAIU ENAUW GTNUA UDDA NARNR WAARG RAWDW UTRR RTEGR WRHTT GAWRU GWADD TANETN WTDUG NDIAT GRWNT  
MINRA RUITD AWIGN IWTTI IATTG URTUI GUARN HRRGU NNIRI DAWNG DAUIU UIRAN RGIDW UHAWN RNUAD UNTAW  
WNGDI WAATA DTNGUT TUTGN ITTMU LGDAU RDNAD ANTWU WWTIT UAADA AWEG ADTRA UTN TW DDRAIT FWEENG  
NDWUG NTAUR DANIR NIDTA NTGWN DDITI GRUWR DAT NI IAIDW GTETW NADNA DTUTEF DTRUR DAGGA EMAN  
NUNDT ERDBG WTENGI DWGUU TNDND DATNG DTWAD NANDR GDEU DWITIT NWUWG IIAW TURIE NTAWI WWUNR  
EITTA IRUTU UWNAT TAIWU UUUND WTDEW TIAAN DDANU NAUGU UIETAU DSULR IWTRN TEGWA GNAAD GEDWA  
NNAII UWGIA NAEEMAD GTDRA TRINU GADDW GWGUR AGMDT NANIR WGNTT TDRNA UAWA GNDA ADWWU NUSWN  
MUUMR TARIG RDFDA WAGWT NDM NA DWRTW ERGTD TDDWR TIUTI IADNU GUURT DRAMD TTNETI WIRNW DWDTI  
GNDUW IUWNG NGDUG TIAUN GENUU NPWWA GGN EU IRWUG IDADT GSGTU GNUGU RRGID  
+ + +

IWRUN IWRUN IWRUN IWRUN IWRUN = = =  
RUWWA RUUD IGGIW GGTENS DNNWW TTDDG WGRUN NWTAD GITTW IENGA INAUD RITFG TNGTU GUARW ARATG NRUGR  
RDTAI ARATM TNEUN WTDRT REMTRI AATID TGTTD WUGNR ATWNA N TRTTI IVDGT DGETRU AAUDI IIWGT GURTA  
RTARA RNTM U ITADG NWITW TGUTI DTAUW RRAI TTERMEN GTUUE NADRR DWRWT RNUMET NUDAG IGTIT DNWUI  
IASTU RWTAI NTDDI DDIRU AIRTR AEWID WTIWTN WNWWT IUUND AUWUN UNIUN TAIEID WATAD TEDUUD ETTMTRI  
WGGIW ETDTNU TGGNW NNGDA AADAW RTGUT TWGUW DDGRT GNIRG URAWTI HTUIR WWHITE RSRUT IDGAT VUIAR  
DASGN ATUNW WTRUI TNGNR GANTV GETIW MGWNI IGNNU TTWDR FDTDA UIWGN IRINI WGTEDR AARGI TIRWD  
RRDETT NAGNI IGNGE TTGRET TRATIR A DNAI NDUIB TERWRG NUDRW TNND GUAERR INGGI UNTUU NA TWG TUUGN  
NNNMD DNNRS NITTA DDUGW AATAD DUIDW TUDDT TUWAME GIAITAE GTIRG NGRWET DTITUG IRNGT DGRUG DAMIN  
WUIAT AURUT GGDGR WNGRD GITI INABT TARTA DWNII DWUA TETDGA AIWDI WADGG WNARD GNTNN UVTETT  
NAUND NIUN WRGGA DAUR WRTTA IDAITT WAWNA DUGWR GTURI GTTRA UTTN TNNWA DWNII ETTT  
+ + + SK

8136 kHz, 30-11, 2257 UTC, i.p.

A decoder was used for these messages, hence the errors in the decoded text.

TDNDT ITTAI AAUIG GRAUI IRWMU TIUAG UIWIR NANRD GTWTT TGNTU IIUTD NAGNT ANWWD IA NRT UATRI TIRT  
DUNRT AGNGI IRNWA SININNIGND NUWNT ATIWG GTNDD AATUN NRGAW NUDNG GIGGU IDNRG ISIGA WGUIW DDTGD  
RIWRR DRTTG UINNT TDWIW EEIENEI NATWR UNNIR NTIDG MTTN NNTWT NGETAT UINWD RUNNT WRMWI NRTID  
ITUTU ETAGGT DWTDE IUIWT IRIDG GDTI GGUDG IUAAR EDDWT GRIIG DDIAU TT UUT TTRTN RGWTT TNIIT A  
EGTG DRWNT INIWW NDDGW UGDTN UUNID GIGTI RTAAN DDUIR NTTIW WIUWG ATEITE DIRGR IAUTR EDWRN INNRG  
DDGAA RTEEGTN RDINA DTNGA GGUAI TRGGR NTWDA DAGDR ANGTW DUWDW DGN I AA MRR TUENU WIADD FIWTT  
GNWIA GUGUI TITNU NRUND IRRRN IDTRU NIGRW WGNW WUNTI NTNNT IAGAG TDMRW AGDDR GDWRN TE5RW NURWR  
GADRU TTTN AANAA NIWRD TEIRUW RRUDU UDTAA SGIST IRGTT ATUGT A ECLA IUUAN TUDAT TDTWR TNNUI AIDAN  
ITT IIN RDNNG AUTNR DT ETRU TEUIR AAANI ADDRA RWTIA GWAU GNIDU AUTWI MIADG AIGTN UGNTN WUNIG  
AADWN ATTNI AITEW AWUUR RN TT A AURUD  
+ + +

UUDIA UUDIA UUDIA UUDIA UUDIA = = =  
IIUAD TIDTG GGUIE GIRIT WRTIAW AUNAG TNUDW TRGIA GAGTEG NANTD GUAIT TUWDA UDIII NAGA U AIUW  
NUNAB RIRAR UMDIG IGDDI DGGTD IWGGT GDGAI GWDDT ARUNU DMMWD ATTIG IITG NGINR TIRDTE NADUG RINDN  
IUNAU TWWR ATDTT RITIA TWTA DSFTW GGIGU RGNRT UGD TD GAGNU NHTTI GGIGW NAADI DAWWA WDTRW TITAR  
TGAIN TITEWTIDNAU NDADN TGIUR RWU ED DATRW GWWRA ATDAN GGIRR ITDRT ITNGU TUGDT DTRDET ANNN E  
UTNTT NNGGT AINI N TUIGN RUINW URWAI VRA NW HW INM AWDW RGIRN NAAI TNWGD NINND DN NIN IGNTI  
RGA A NAAAD NTAEMTZ E TUGA RWTTI GNAMN TAGWR IESTUA NUNNR IUGRD UNNRW IIRTU GAT N N MGR DNDDN  
AGEIW TTGIT IARRD IGMERA TTGNI RTGDR NDTAD TNUAAD NAUUM TIADT RTGRR UAAAM AAEWR IIIUI INWEN

ITTEAI TGNDG DMAGE UIMVD IDDRG GATNW RIWWN RDWUN GNWTI ANTISI NNIGI TDAIN A TUTA IERAD TE UAN  
UIRWW RUTDA ATAIR AUM NNE TAUWI NEIN TTWNW IRTUU GUTUA RMIGT T INA UIAAI AERRN RRWRN IDRAN RNARA  
NDRTM ASAW NIWNT GMRIW TAWUA UWWUR NRRWD TTIDD WNWAG NGUUU RGDWA AAENG  
+ + +

WGUTN WGUTN WGUTN WGUTN WGUTN = = =  
GNGAD NRAWT DAGM M EWTW GE NW WURGD GUNTW INGRN GINDR GTGNU WWTEGI GAUWU TDAN TRAE G DTNMA AUUID  
NAANA TTNNW AWWNG RAEGT TADID UUIA IUUUT WUUT WA EN TUETAT IGUDG UURIR WNADET T N R EEITAEDR  
NAAW GTTWA AA ERU TUATU ETUWTE GRATD TTITG DDATU DDUTN URWEAD AETWUR DRRDR NITDF TUGAR TE EAU  
DRUGU RWD II IUUID DIWN AETGAI IRTITT WI TW AD TWI RRRTEI WRTDU TNREEG NARUE NWRTW GGW TU UGDGR  
DTUU T TATGET NIIIA A IETTU UA TTSTEGITDU RIANA ITRTNG WDTWR RRIGG IBARD DTT TGN AUITW AISNI IKN  
ARA TNRMAIEEGI GIRID NNNI RUGT T RDRNN T PGAU GURDE AARTEM ENWDN GNDRW IRILI DRNTG TTNDR ATIWN  
GMNIN GITDM AUNBR TGTDT ATTGD DTWGE ATNTR RUTTN AT EMIN EDDA TMRUR IATAT RRINET RNNGN TITIT  
IGTW U MDRT NWWAW GRNIW DDSUW DTUNI ADTIT EIWIGW IWWUI ITARD RDARG WE AUT AIM AG WAN UT ATNUD  
RTGIR TUTNU NWT N WRITI NTRUU RGANU IWWRT DGWND AET ET WTITW EEG AI WITUAW WRDIG TLURN GGGUD  
DNAGR NDIAG GMUGTERTDAN IU RN NATDTN RAIFU IIEAETM IIAAEIE WGTIT ATURT DTTNDN HDRWW WRIUG  
+ + + SK

## M12

### 10343/9264/8116 kHz, 01-11, 1900/1920/1940 UTC

124 124 124 1 6646 115 6646 115  
13240 55164 83107 20675 82012 80647 13971 57018 89958 68837  
30658 30758 78639 27102 74315 08688 94889 93202 86718 69199  
64292 38781 71432 50980 42037 03828 32066 23732 34963 61560  
86728 77961 76693 47188 61872 70237 63046 75852 16523 68906  
96949 49645 59417 51943 93931 81806 90426 48968 04041 26045  
34625 90768 36914 77091 15188 77374 34478 01908 71189 51353  
49001 91233 62570 49668 11236 33496 76252 66871 71397 74508  
15546 30903 83248 82161 10048 90053 19922 58850 51513 57466  
65274 30855 14178 15582 38017 31803 29879 32468 25245 09006  
44843 89397 09807 58180 03787 53435 48744 02934 55699 89199  
94788 74031 13574 17380 89073 25153 64330 37836 01788 83794  
16817 39625 12658 63641 58527 000 000

### 7637/9137/10237 kHz, 03-11, 0600/0620/0640 UTC

612 612 612 1 377 77 377 77  
11795 73907 13611 13773 58361 00585 30503 53714 93871 32753  
00633 49585 38354 45201 21992 87812 29076 06344 46206 63776  
08484 34167 27069 67008 17974 30843 49973 78957 74537 34489  
12914 02238 69438 87455 19985 74557 07469 68985 49350 41928  
17159 75234 14692 44541 48966 00747 13066 07728 54692 24817  
85777 36608 88142 53680 69745 64380 94397 96588 08349 64178  
34154 42529 10877 52546 20902 39071 60607 03008 36868 37646  
30270 52341 16666 27141 60437 44693 65167 000 000

### 16296/14796/13396 kHz, 05-11, 1400/1420/1440 UTC

273 273 273 1 541 107 541 107  
03657 93278 95577 67421 51141 15953 48788 27468 92309 44317  
77510 92405 94517 23029 01016 22378 61829 68138 95363 92207  
25712 47543 13286 63114 08382 07090 39878 25591 96933 76112  
00247 86361 97910 68300 40050 97703 22866 50932 48937 09861  
96532 14456 19503 03900 62286 51644 01022 07197 89104 68217  
10322 22193 71804 69695 05380 32397 96411 55821 16656 71154  
07467 12212 69451 07695 52956 55817 66752 79633 38313 50458  
18252 48017 34956 03833 56226 01029 35782 84697 81678 01395  
92603 56127 96270 97693 63103 46252 37624 81703 38854 55156  
36649 79270 29609 05325 04910 57112 10874 15446 37519 13567  
98288 20544 53893 62408 25919 07383 53042 000 000

**8097/6802/5788 kHz, 05-11, 1800/1820/1840 UTC**

463 463 463 1 342 98 342 98

38318 76609 20986 00850 46895 88378 32419 57557 68393 53184  
75059 74149 60855 24787 44478 41496 06595 57416 84567 78139  
87381 44009 89733 13033 87813 75236 44656 38368 63615 13087  
68951 04857 86862 50379 02768 76498 57787 29616 81363 77369  
55742 06429 50688 54869 98919 38516 66423 11508 12625 28040  
95709 25908 42398 35287 70784 84957 72580 78224 09456 11356  
92546 87779 12833 68622 07079 86779 55751 95420 66188 47098  
42422 12398 04128 08288 53563 47668 69472 68646 89883 02354  
91020 46955 20556 98931 36758 24608 91816 55111 08561 17256  
29220 16922 62675 69623 15101 16378 46689 29599 000 000

**13936/12136/11536 kHz, 07-11, 1310/1330/1350 UTC**

915 915 915 1 389 71 389 71

81096 26966 14274 41597 14857 69427 06688 46441 55991 24591  
88102 17515 45118 13760 02343 78230 58769 42970 59523 75602  
90052 90461 70094 29711 54758 56053 52568 51409 17879 76954  
08840 02919 33072 60560 65146 68144 74513 00703 39737 01176  
77802 74276 04257 07569 92808 81378 16816 17355 20431 38507  
90906 92568 82102 33055 60764 65754 30533 52732 01065 94797  
00420 10072 45123 95652 62438 85084 32553 59787 20280 10348  
74734 000 000

**5429/4629/4029 kHz, 07-11, 2200/2220/2240 UTC**

460 460 460 1 377 77 377 77

11795 73907 13611 13773 58361 00585 30503 53714 93871 32753  
00633 49585 38354 45201 21992 87812 29076 06344 46206 63776  
08484 34167 27069 67008 17974 30843 39973 78957 74537 34489  
12914 02238 69438 87455 19985 74557 07469 68985 49350 41928  
17159 75234 14692 44541 48966 00747 13066 07728 54692 24817  
85777 36608 88142 53680 69745 64380 94397 96588 08349 64178  
34154 42529 10877 52546 20902 39071 60607 03008 36868 37646  
30270 52341 16666 27141 60437 44693 65167 000 000

**15869/17469/18769 kHz, 08-11, 1010/1030/1050 UTC**

**1030 UTC: Stopped after the 21st group. Restarted with 847 847 847 1 and resumed with group 17.**

847 847 847 1 136 105 136 105

77915 07472 05975 25750 54977 36268 57236 34357 05040 44563  
33243 82804 18573 93025 31161 46368 31595 09479 93309 99449  
22398 16084 72123 60148 95423 19910 64096 07387 90158 10623  
20660 83662 50309 38748 99487 86349 10334 21469 64423 63716  
16592 44779 20354 26567 22013 28960 88373 56805 05103 14528  
81661 49387 74417 31671 03087 67624 99079 02951 60884 78911  
78180 96012 89151 01761 73981 51096 16201 70767 17469 78782  
32675 39075 53804 73824 53952 88348 52155 44797 79101 73899  
13749 76990 27425 13334 80800 39203 03015 84977 41783 22163  
46137 04322 37884 11547 21254 50810 42663 55539 91910 90545  
38620 67981 79539 38842 89585 000 000

**10343/9264/8116 kHz, 08-11, 1900/1920/1940 UTC**

124 124 124 1 315 125 315 125  
73010 46564 55141 89934 70730 41106 14500 74836 62876 33752  
68720 81896 19952 28011 85169 40805 32752 55668 25320 33974  
65485 19626 11185 42925 30075 61323 46776 25845 25552 27001  
83190 27724 75758 04468 65880 53688 54328 20282 25186 67526  
43593 41566 99558 19141 83080 78596 00438 54022 42314 13505  
74486 94054 95920 11465 21633 07628 57214 64656 67116 27559  
12741 54603 57718 21686 99545 12934 25232 46859 13445 53988  
26695 07247 25616 49450 08721 43772 24573 73979 73919 98495  
57533 97041 40514 49353 87722 47273 86934 37209 51960 45602  
43913 87284 75418 69767 81948 87561 95439 84579 88808 97686  
99917 18117 25807 31717 02135 30899 51622 39023 11618 09844  
63816 90397 51902 87414 84648 69809 98386 04010 46331 19922  
78592 62637 27248 09241 3934 000 000

**13936/12136/11536 kHz, 09-11, 1310/1330/1350 UTC**

915 915 915 1 389 71 389 71  
81096 26966 14274 41597 14857 69427 06688 46441 55991 24591  
88102 17515 45118 13760 02343 78230 58769 42970 59523 75602  
90052 90461 70094 29711 54758 56053 52568 51409 17879 76954  
08840 02919 33072 60560 65146 68144 74513 00703 39737 01176  
77802 74276 04257 07569 92808 81378 16816 17355 20431 38507  
90906 92568 82102 33055 60764 65754 30533 52732 01065 94797  
00420 10072 45123 95652 62438 85084 32553 59787 20280 10348  
74734 000 000

**6859/7459 kHz, 09-11/10-11, 2200/2220 UTC**

849 849 849 1 8127 91 8127 91  
86639 13849 28461 32518 45354 74060 37956 93735 54394 26593  
28380 28596 04723 65551 75211 49174 06190 25346 90139 45356  
08905 19664 11051 47755 96516 00619 26111 29048 00397 36272  
42085 88195 76553 59272 21434 29235 73227 35969 24580 16006  
36933 26554 95643 76518 63385 33289 40244 51815 52652 70855  
57910 82579 32541 44559 68905 94394 22208 62698 34989 18265  
07734 34588 38491 30020 11745 77991 00578 64018 91369 49587  
54031 02689 40393 33611 47625 64953 72825 68331 51025 52910  
30542 23019 24941 62651 33751 84536 24207 34675 31880 31982  
42057 000 000

**15869/17469/19769 kHz, 11-11, 1010/1030/1050 UTC**

847 847 847 1 136 105 136 105  
77915 07472 05975 25750 54977 36268 57236 34357 05040 44563  
33243 82804 18573 93025 31161 46368 31595 09479 93309 99449  
22398 16084 72123 60148 95423 19910 64096 07387 90158 10623  
20660 83662 50309 38748 99487 86349 10334 21469 64423 63716  
16592 44779 20354 26567 22013 28960 88373 56805 05103 14528  
81661 49387 74417 31671 03087 67624 99079 02951 60884 78911  
78180 96012 89151 01761 73981 51096 16201 70767 78782 32675  
39075 53804 73824 53952 88348 52155 44797 79101 73899 13749  
76990 27425 13334 80800 39203 03015 84977 41783 22163 46137  
04322 37884 11547 21254 50810 42663 55539 91910 90545 38620  
67981 79539 38842 89585 000 000

**8097/6802/5788 kHz, 12-11, 1800/1820/1840 UTC**

463 463 463 1 6004 98 6004 98  
03714 58199 09460 68554 02111 36411 64619 60266 42501 97802  
20227 09537 74855 67864 85670 90326 45936 10252 08353 48568  
40829 86357 89672 30970 70260 75685 28414 02619 99940 13949  
44256 04036 67577 50042 28587 09609 03972 58438 61051 64179  
83446 80028 58808 58287 77623 34229 51292 30985 58316 55104  
31187 94814 36875 22092 00213 33520 58588 56945 66301 12956  
85747 16200 94169 80502 20528 47443 99430 17139 79155 61469  
50760 32034 83996 67014 53200 35320 67340 00533 44310 36937  
58445 28882 94828 95492 83608 16880 69379 56417 35173 67433  
01904 49024 36204 03623 72413 98805 96101 49869 000 000

**10343/9264/8116 kHz, 12-11, 2000/2020/2040 UTC**

124 124 124 1 8005 106 8005 106  
67757 61053 73918 00025 64544 14025 14498 08470 42080 31726  
86672 82379 45663 41315 15342 22455 44377 92801 95407 48323  
24670 85033 19078 44565 44396 20637 51966 37567 07438 43693  
57308 72846 71803 21161 19491 49073 91224 63363 66596 23681  
91003 49974 84797 19333 57975 06698 68019 90885 31852 85104  
50281 25229 97886 02231 56562 80242 28157 70909 60672 28604  
25910 14822 19363 95332 41402 23525 72337 93682 89550 23502  
42044 23768 65974 97797 36272 51170 33625 18692 74091 09611  
01235 21532 53618 64680 01693 85216 69706 07260 63622 86295  
30925 27347 43555 95475 58404 43306 03387 27749 69500 63449  
43310 36837 07882 58006 20015 87028 000 000

**10343/9264/8116 kHz, 15-11, 1900/1920/1940 UTC**

124 124 124 1 1863 124 1863 124  
00122 53641 59641 44656 12X95 49452 76782 43159 84492 66305  
48225 34502 X9139 45548 83985 71295 87360 51021 05907 61077  
91441 17030 48658 57455 09447 43983 10702 75474 40034 6905X  
25785 32766 54608 35169 02609 59899 10148 74255 92335 68601  
51214 63744 70262 40114 98492 90762 41471 49914 76226 32321  
32653 24834 97727 36436 65005 35725 38853 27317 X7138 06XXX  
70999 84294 42405 32291 4X561 85987 97423 14562 68922 29239  
67675 65439 17185 80985 6829X 63058 7X882 X0015 977X3 77615  
5X001 26608 X6027 19520 90987 8X9X3 X9700 88108 684X4 97690  
44107 3XX79 85550 32096 74702 27327 46815 0588X 34126 00054  
29359 66105 1XX34 6339X 18845 96546 69X64 0333X 09041 14788  
68692 20307 29409 27273 76725 67152 25978 59436 40670 57470  
9X559 64398 36291 68113 000 000

**7637/9137/10237 kHz, 17-11, 0600/0620/0640 UTC**

612 612 612 1 6430 83 6430 83  
82951 71827 97207 58547 67706 19819 66633 46158 68128 98242  
04692 08086 37284 83061 39319 81345 39164 10946 09521 36759  
63199 11807 97502 20370 62722 36483 51056 59059 30298 43843  
76541 67114 86766 72197 28545 71289 75673 34911 80944 57302  
14402 99898 06352 08534 06807 25291 01419 97123 56445 76120  
28194 17821 72950 26717 38438 15689 09158 07721 48809 04230  
78275 04804 97557 31135 40753 30326 52926 79367 92090 52055  
76260 79754 53001 19682 33857 75252 89134 69864 96882 87238  
35247 87809 48847 000 000

**16296/14796/13396 kHz, 19-11, 1400/1420/1440 UTC**

273 273 273 1 604 129 604 129  
13201 13592 65344 15053 51487 57656 41129 67812 91947 58055  
15278 05757 97692 72857 96049 80034 91912 05321 65997 38528  
26945 35004 14894 00655 61035 56008 54002 41382 60964 03057  
45681 17128 90589 23312 35743 24927 35489 97353 50831 96793  
88709 79572 62323 00279 00358 31398 25551 16995 13374 11023  
36402 87990 74503 99535 97415 62284 22519 45548 59807 71803  
76835 26685 26311 85684 22994 62584 44574 09876 13523 56888  
55340 59017 53774 40041 94084 76535 36872 74581 11722 52573  
83054 67739 95613 64375 93483 93401 25640 76257 39189 70591  
24072 64013 37473 20383 85099 13441 96547 77121 65150 91762  
83645 42130 69416 26520 96746 91879 41350 75049 74828 56761  
52788 87327 86746 57369 49452 15232 15740 77672 41670 77773  
73414 00281 02705 05288 46841 74185 98127 48388 26650 000 000

**8047/6802/5788 kHz, 19-11, 1800/1820/1840 UTC**

463 463 463 1 3392 100 3392 100  
09141 05125 59247 01294 94781 40331 29016 97308 64650 24679  
83931 16401 68735 35992 97878 64579 57853 26708 79894 87551  
86233 79916 15170 37476 37466 12127 27063 07885 47403 88273  
40312 11963 20394 45399 89482 56342 01066 41111 27877 80024  
90941 23162 83762 75640 07822 41357 44980 55658 67462 32536  
71374 55490 17192 71932 81343 38693 94074 14160 31627 09492  
82629 51590 15594 66299 45104 17585 91947 64204 36940 47112  
87703 95976 65978 91765 97053 36699 39337 71092 71666 00852  
38936 92045 97152 57341 68172 07570 06102 42412 23661 75582  
35925 04026 05811 32874 92375 26688 20158 54720 97378 75381  
000 000

**13936/12136/11536 kHz, 21-11/23-11, 1310/1330/1350 kHz**

915 915 915 1 147 87 147 87  
69364 73496 43307 08122 73001 12473 84777 97119 91536 83009  
53799 51325 59951 99618 07666 27355 49085 74471 64959 73295  
10568 28922 13150 50408 63100 44036 14130 05383 35109 67554  
88666 53169 99194 03649 93778 97980 05366 46033 22046 59273  
79659 15892 06138 26667 50139 74355 10364 17096 41100 90916  
80791 21477 50125 41396 17493 72406 56573 58228 78747 38685  
13525 16988 62507 12793 57882 42061 85811 31006 74047 60212  
15505 92911 04778 50222 59060 10167 52752 21766 60198 19505  
83533 17690 03466 78966 05705 23144 85576 000 000

**5429/4629/4029 kHz, 21-11, 2200/2220/2240 UTC**

460 460 460 1 6430 83 6430 83  
82951 71827 97207 58547 67706 19819 66633 46158 68128 98242  
04692 08086 37284 83061 39319 81345 39164 10946 09521 36759  
63199 11807 97502 20370 62722 36483 51056 59059 30298 43843  
76541 67114 86766 72197 28545 71289 75673 34911 80944 57302  
14402 99898 06352 08534 06807 25291 01419 97123 56445 76120  
28194 17821 72950 26717 38438 15689 09158 07721 48809 04230  
78275 04804 97557 31135 40753 30326 52926 79367 92090 52055  
76260 79754 53001 19682 33857 75252 89134 69864 96882 87238  
35247 87809 48847 000 000

**15869/17469/19769 kHz, 22-11, 1010/1030/1050 UTC**

847 847 847 1 447 133 447 133  
20268 37923 32919 24305 39796 05685 17804 25728 56480 58041  
71646 28687 49043 32727 25402 03198 20204 88569 11979 65088  
17370 75653 28989 84303 93830 94197 78797 84960 32050 35121  
82202 66811 95277 73369 15140 14881 44258 42220 12751 84533  
37434 14772 57254 34086 90426 16545 89231 61733 15142 16476  
89386 74595 50426 81150 15061 11670 74832 11106 73113 99370  
02393 26827 14111 11641 09093 35671 17777 68225 57996 36071  
76818 28087 59056 70921 72341 35941 48347 47303 05423 81849  
29562 84433 18570 73228 87078 50246 90851 61938 57011 82824  
25239 70395 87084 37236 27097 07992 57527 15881 01341 82463  
95676 28654 54160 91568 49628 32136 60385 76862 77275 27064  
47984 15080 65242 36622 29656 18677 85258 02146 34524 00903  
63185 02466 13010 13115 94328 64398 54702 93590 94737 37886  
06612 51054 49114 000 000

**6859/7459 kHz, 23-11/24-11, 2200/2220 UTC**

849 849 849 1 518 75 518 75  
09060 62877 86785 97103 30861 38073 37662 59247 37122 74438  
19800 49400 60330 85998 60248 64682 89311 80101 41424 30788  
80322 51741 44364 19586 76735 67566 82634 86914 26466 69936  
14722 33999 66358 13639 66224 25234 03442 34239 41548 11860  
97714 01648 27367 33954 72524 02603 07095 13684 81588 70092  
89998 29168 81327 74197 52826 99974 01808 55367 63485 58159  
69628 47684 21060 40991 28498 86827 28651 45915 14881 03279  
55493 52374 00597 04574 03865 000 000

**8047/6802/5788 kHz, 26-11, 1800/1820/1840 UTC**

463 463 463 1 6320 99 6320 99  
44371 81132 56984 73869 24319 17634 63873 95588 98084 84711  
71110 40130 78918 55640 50938 12017 73956 28845 01379 16070  
39443 68781 64617 52222 85812 92221 18774 20636 70469 07095  
62960 57565 47442 93305 26783 02636 78896 67186 57667 87280  
81151 54167 46104 09737 08654 94498 86731 98295 05484 86447  
67900 54127 35797 86553 02991 84480 60616 02770 11868 94834  
32035 89361 92732 61258 74067 45514 66232 97721 99117 40031  
32367 44503 58688 87920 89959 10103 22592 11633 07383 34671  
77117 74933 87668 74335 61957 33996 57272 39405 83812 52755  
47732 90576 59860 05093 50670 89417 25512 19459 89517 000 000

**10343/9264/8116 kHz, 29-11, 2000/2020/2040 UTC**

124 124 124 1 5681 123 5681 123  
94890 74048 51712 61811 27947 94141 16797 87570 79291 38476  
18991 03884 13154 88882 22518 33835 34928 03888 72779 41776  
40771 08010 31807 97071 96822 52686 51557 72252 69397 08486  
37133 19875 00115 75465 05095 14522 71117 03071 70179 26551  
70x74 25803 64348 87452 33837 18751 75629 11628 26521 20013  
73708 42220 76745 97641 52030 00521 77721 35617 77710 30551  
43033 10631 17360 56992 25578 86279 48684 69491 83083 99671  
30017 42261 26006 07537 63049 51309 38406 90337 51375 x7733  
04105 15772 94655 05976 00223 35xx3 23283 38667 13007 53486  
43286 84675 13019 82798 50870 76200 38364 8x393 18449 23352  
82988 79694 02628 47029 10333 83824 32971 19394 81386 98348  
40542 35305 21667 39219 63232 53049 90425 29653 70987 36542  
82319 50021 81794 000 000

## M14

### 18041 kHz, 02-11, 0500 UTC

952 386 386 60 60 = =  
83112 83174 73759 96450 75641 09878 45441 35034 16217 84919  
50914 60874 73634 92295 85223 99561 02683 15103 84640 11337  
73972 28436 09861 00824 91357 30259 19142 76471 57901 14963  
54819 76891 76307 19279 91644 06278 94761 95249 20366 46091  
34126 89930 65016 35210 57412 36528 57311 35715 67485 86636  
16632 26515 43916 38289 09000 91983 54944 39490 83494 97812  
= = 386 386 60 60 00000

### 18041 kHz, 07-11, 0500 UTC

952 838 838 60 60 = =  
63709 23598 04956 82153 49536 65002 18131 02924 48460 38018  
90342 75331 45649 91814 59012 19363 80462 95317 04486 90345  
72483 36178 88632 90663 73842 51091 50173 65160 39982 48395  
61433 03672 36070 08894 76219 99125 21253 75843 23484 34644  
77914 70035 26489 98088 78155 90908 52137 47487 04659 89643  
20172 75766 68138 25160 26924 48254 88560 38964 63302 11359  
= = 838 838 60 60 00000

### 18041 kHz, 08-11, 0503 UTC. Late start. Callup at 0503z, message at 0504z.

952 671 671 50 50 = =  
45458 08385 19425 33833 12762 21167 53611 00958 53472 70772  
34921 89054 77373 85780 79564 20759 80475 35673 57102 29562  
33976 69383 51915 11006 58471 80104 56018 30410 81861 88560  
54166 92183 04383 61924 87174 00179 19206 10561 04402 63868  
62043 29794 41336 30000 88188 78883 83207 44430 00441 14388  
= = 671 671 50 50 00000

### 18041 kHz, 09-11, 0500 UTC

952 340 340 60 60 = =  
82860 22671 06672 21482 44780 08600 94851 39320 40059 22377  
85294 72669 79180 13352 84496 27719 36621 46566 55919 88052  
36714 50790 53938 53163 89995 19008 20007 88013 84722 84774  
58213 69558 63266 22899 32416 41184 38040 47871 52149 10993  
26679 08486 39490 54872 11139 02096 94067 10290 50411 56928  
98396 71743 01533 55907 30749 23816 28595 00418 77709 72753  
= = 340 340 60 60 00000

### 18041 kHz, 12-11, 0500 UTC

952 716 716 55 55 = =  
45444 47080 26669 63609 78094 98369 58755 79490 20962 61163  
70780 08692 06394 55677 31173 05153 38053 45013 54452 11466  
53869 18706 62670 84841 49646 79476 62972 03652 05493 44160  
95950 27966 82281 94721 34494 12534 80303 40313 37809 95650  
77327 76296 90304 12328 88237 51186 80031 05229 13437 77429  
96352 31792 68217 46979 51546 = =  
716 716 55 55 00000

### 4636 kHz, 13-11, 1809 UTC. Early start

186 456 456 42 42 = =  
23451 56347 13425 67342 43267 56789 14687 24431 68241 37309  
43561 61245 67901 25612 46780 06521 24709 56231 46813 05612  
32076 47123 64780 10645 40901 36781 43089 17650 89456 90431  
45109 10122 45672 78109 30725 34561 96451 70071 45621 14521  
45721 01469  
= = 456 456 42 42 00000



**18041 kHz, 14-11, 0500 UTC**

952 371 371 50 50 = =  
93934 81801 10629 80291 71498 43290 12512 92289 96247 50105  
58317 61893 56816 64040 25146 90302 12698 25017 99893 23412  
25368 75451 44806 98286 84426 59705 38500 67083 20947 59578  
97184 21849 25215 51776 05728 68634 11058 98282 13279 24366  
93938 05582 73137 34903 75005 13668 31535 37727 48288 00773  
= = 371 31 50 50 00000

**18041 kHz, 16-11, 0500 UTC**

952 713 713 50 50 = =  
71643 03896 89813 99556 58326 73953 43538 86423 89259 38471  
49661 06085 89737 36394 40280 80922 56119 46763 71818 74073  
84205 24532 72815 72164 01849 56387 91826 68530 03413 28791  
06350 51614 10911 25409 78728 28225 08855 96120 69964 36352  
27104 64806 47375 27210 69860 68080 47041 21221 14299 42179  
= = 713 713 50 50 00000

**18041 kHz, 19-11, 0500 UTC**

952 640 640 60 60 = =  
66918 60141 37730 59245 40661 71837 47747 50120 14509 16092  
32285 30045 04894 44770 74174 05726 83114 78199 69275 02527  
81331 78924 13967 95686 17419 19687 63838 97499 99595 50345  
86999 17632 96779 93397 60464 38778 85605 22806 83030 74834  
10035 05818 03112 03776 14505 12451 84937 92428 36552 22352  
61576 55333 69840 83698 48211 14863 33540 03846 14106 54810  
= = 640 640 60 60 00000

**18041 kHz, 20-11, 0500 UTC**

952 781 781 60 60 = =  
48029 18246 78552 02592 42277 97953 86516 24986 44366 45198  
37897 13435 23168 16034 46436 79018 20878 30406 31661 93360  
40612 03857 46165 68822 66119 39881 06124 54807 62075 25107  
35963 04873 28367 94502 63132 94323 06833 58783 23906 92988  
63864 11223 66163 22848 97340 56033 60072 55229 41308 25531  
52626 27226 66852 78241 26965 82046 02600 95164 52415 62985  
= = 781 781 60 60 00000

**18041 kHz, 21-11, 0500 UTC**

952 360 360 50 50 = =  
08565 47375 99251 20339 22223 78446 41463 30434 91613 38642  
01913 96327 70848 41364 36833 20346 52392 28107 24570 23593  
63611 19966 66872 71139 86477 84871 68795 90278 42588 31477  
51897 55285 10720 65645 80433 37119 69077 70475 05220 41501  
79449 95793 54867 83812 55434 68065 29053 74243 81941 56645  
= = 360 360 50 50 00000

**18041 kHz, 22-11, 0500 UTC**

952 784 784 60 60 = =  
61735 23963 07802 00769 10866 94609 39426 17923 27257 06917  
38934 36482 80900 58174 04472 80640 35122 51809 62135 00684  
15355 59978 72683 75281 64329 18287 98886 16994 13384 01078  
75713 91948 24573 50721 50534 89605 83259 59345 85530 03564  
45891 26448 39501 09339 72634 40828 71250 50047 99562 60061  
31744 65945 30075 87375 37225 28746 50255 65152 40470 66664  
= = 784 784 60 60 00000

**18041 kHz, 26-11, 0500 UTC**

952 704 704 55 55 = =

80045 12350 33204 16586 66273 89769 63321 40361 41615 01430  
59565 27228 83775 49308 74096 24291 34797 51215 08918 81394  
17999 69221 76812 49529 98757 57340 58459 60195 50081 33123  
79189 02913 08900 02874 53803 43061 34018 95165 72889 47239  
01667 82340 29094 08333 99589 94688 06756 87474 05599 83373  
15091 61546 02117 16310  
= = 704 704 55 55 00000

**18041 kHz, 28-11, 0500 UTC**

952 303 303 50 50 = =

14144 52287 84523 53303 60330 61718 77975 21100 47205 61629  
35581 51231 67652 09186 81908 35261 98110 54730 84368 63737  
33779 61527 70690 07315 62970 21313 25401 92898 16568 45323  
63743 66991 53522 35507 06475 63434 68311 65599 03984 17734  
31317 26746 83054 95156 98048 17359 15434 24782 48148 81914  
= = 303 303 50 50 00000

**18041 kHz, 29-11, 0500 UTC**

952 874 874 55 55 = =

16966 31110 46834 28979 75051 95644 42260 81121 66960 91936  
11279 83047 55977 10029 47142 91232 50526 97282 87905 76181  
89265 27638 81462 46349 04418 61980 06141 34881 74247 20307  
51384 00651 83408 39411 55896 72761 14663 63910 93258 02554  
21772 06410 23064 43331 22992 92154 13373 27078 11623 29217  
15434 90395 81593 85421 75307  
= = 874 874 55 55 00000

**18041 kHz, 30-11, 0500 UTC**

952 631 631 50 50 = =

24092 32404 61507 67906 45174 87084 45626 63870 10707 87758  
36219 63777 99160 45604 58285 13209 16336 54136 77038 01394  
99182 27097 81080 45830 82623 51277 40282 50429 34040 77722  
55551 23136 85129 99756 42698 63962 15808 91253 17552 59364  
69855 03606 74554 43907 06984 44818 75967 15149 21017 89173  
= = 631 631 50 50 00000

***M41 - Russian Air Defence Forces (Войска ПВО Voyska PVO)*****2509 kHz, 06-11, 1630 UTC, i.p.**

7221 9499 9897 4686 612871 230100 RPT 7221 9499 9897 4686 612871 230100 EWSO AR

**3194 kHz, 07-11, 1400 UTC**

H7BL H7BL AR

**3194 kHz, 08-11, 1400 UTC**

H7BL H7BL AR

## M51b

**6825 kHz, 21-11, 1150 UTC, i.p..**

JKQCV YHMLQ VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG BCNDR SFZCW QHJKA LWOKY NCGRF  
XFLFL DFERS FMFMF DHIQU VCGSH PELEO XAQEZ NCBGD MVNBT PTOTI BVNVE SWREG 02589 ZNEAQR .,?/ NCBSH MNLHK  
CXSDW ASQWE CBXBW LGRPO CBHYW NVVMR 45896 BSGWY ., ' SK ? BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKED  
VXSGW 47896 MBKIG ., '+/ MCDJU MVLOR ACNARZ NCDHE TEBEND LGPRO SDEARE NNCJE 743MO2 QOWIE , SK '? NVBXC  
NSWPO NDEYJ DJKET AXZVS NVMRU NDPEJ WRSFU 43269 VCSWH .,?=/ KDWIC SNSJW VZWPO LFMKR DREGN MCEIS MCKDO  
AFQTH 01658 MNGKT /,?' NSYWP ASQEZ NXHWY MXWJK LFPEI CNMWI ZCVQT MVIEW 49635 DSQEF .,?'MVLPE QADTD NDJEI  
CVDBE FKEIS QEAFY CBDFW VFLPE 41203 XCSAD ?,'.ASQRV NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX NXWPO ?,'/ MCIWO  
52901 SNHWY BDGWT XWEUD NVLEO XWPCN ASKEO BGETQ CBNSK 41123 MOEPL +. SK , ' QPALO BCGEY MXNWU CXGAH  
NBHFE KGORL LBPOF VZXAS QBYXY .,?' SK VXRAD 25893 VXATG LGPRO DGURA DJKJF ERYRI VPLTO BCVDS ZXASQ MVLGK OYPUI  
GFHDJ CSRED 16580 BCJWI .,?= LMPOY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO .,?' BCHDE 42369 LAPQI WNSYV  
VCSDW AQLFP RHFUS BCDWV NGKIR BCXWY 54783 CBHQA SK '/, YHHBY CXDWE VNYEA AWQEV XVSFW MBFUR AWQLG RYUSN  
14790 XMLPO .,? SK AJAUW XCSAR LDOEJ GMNRY XBSTW DSEWX VNFJE LEPWM 65874 VZQJA +/ SK ., ASZXW CHYDE KFOLG  
VCRWT CXARQ MFYRU NFNFY AEQDS 12680 GBDHE /,'.? VSFVG XASZW HDJWU LFPRO CXWRG LSHDF VXRAU CLNOP 54103  
BCUEL .,?' BCEUF LGPTO VZAXW IHGKF BCFGH LMGTQ QAAED ASZXW VBRYT MBKTJ PLROI QESWF 58903 VCDHS ? SK ., ' QWAEV  
MBNGJ FGDHQ ZXASQ KBFHR RTYEU CXZIAB MNFHG 32568 BXAHW /. SK ' LKJGH ORUTI QEWRS BCVDS MKHJU ZSAWQ CVEYR  
POIUY 25801 VXSAJ ,'/ QWAEV NCBFG PEYRH BDFSG ADSFW MBNGH LKBXC RYFHB 65489 BSHLK '?., DKRIT VBFGR XCZDW  
LKUER QWAEW CVDFE MVNGJ RUDHE 6598 B NWPOE ?/./? FBEEB XCDHE SHDJE KEJRY CBDNM DDNAJ LKEID XVNEFW 20367  
SIWYE ' SK ., JHJGL CWPD A MDNRB QWADS XJSEI LENVE ALQPX LPOSN 45280 KDSUE . SK '? . LGTOR VDTEU QRSWV ZSLCX  
MDEYR VLRJF QUDGJ MCIJD 21036 BZAWU .,?'SK PDLEO ADQRW FJFKR CBDBD VLTPO SHSHX BCEYS AWLDO .,PI/ MCIJF 25639  
LHPTO etc. etc.

**3881//6825 kHz, 27-11, 1510 UTC, i.p.**

QKALP MLKAY DHGST HQJAU OIAJN ETDGS WNQHA 27654 QBWND AJZUH DGQMA HJQKA IJNHY CGDHS MAPLK BXGDT 19873  
5A176 NXVDG SHAJK LQMAP HDGTU GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF TGDHN 26483  
SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KIODA XHRIL UJFOR SGXHW 46201 KSIFY XVSJZ LAPMS HWCXV RBSHD KLAUH  
YHDKZ WBCVX CHFDY ZUJAK 28678 JSKZI WGCPZ SKLQB WNDHR ZUYHF OKSLZ WMQHA WCXHD RTDJS WNCHS SUJRG ZJSKP  
PMQHF NBCUH PHJDF XVWHR 10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRN XVSJZ PLDHS BXJZU QJAKA UVFGR JENWK  
AIKDL SPMAO XNCVF XHNCV SHZUJ PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH YHDKZ WBXVF CJERZ  
QJAKO MLDHB NWBJU 67354 IKDHX 65372 NWJAL PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIK  
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON PMFHC VXJZI SKAPL NXJFY WCXEV SHZYU QJAIK 76491  
NVXBF YHFKC PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ N537W MIJDU XVDGW INXCV SHAUU USDHZ IKSLA  
PMWNV XHRTZ BWNSJ OLFHR VXBSY 35U8N TIXHE MSADO ALKDH BXNFT WCXVA ZKSLP WMNJD CNDJE QATLD BVCNE ALXXO  
OWLPS SHDYE BNNXM AKQIU KFJEI 23658 VCSBS .,? , SK IWOEJ VXFSS AHQUS VDGWT SHGYW NCGET SATSE etc. etc.

## M89 - Chinese military

**5313kHz, 14-11, 0109 UTC, i.p.**

NR .069 CK 59 08 1114 0900 RMKS CQ RMKS CQ =  
AU34 AD7N .5A3 3U4N (Cont'd) AR AR  
VVV 2JJA 2JJA 2JJA 2JJA 4TLD 4TLD K  
R R K K  
R R RPT 03 TO == 45A3 .. 45A3 45A3 AR K  
NR  
VVV 8PYE 8PYE 8PYE 4TLD 4TLD K  
R  
VVV Z9GM Z9GM Z9GM 4TLD 4TLD K  
R R R R EEEE R R  
VVV SMW3 SMW3 SMW3 4TLD 4TLD K  
R R  
VVV 2JJA 2JJA 2JJA 4TLD 4TLD K

**5541 kHz, 14-11, 0150 UTC, i.p.**

YU8G DE VXH2 QSA ? QSA 1 HR 7G TO U K  
7G GA GA GA  
R 1P 1W =  
457D 57DA 47DA 4DAN 7UAA NATA (Cont'd)  
R RPT RPT  
PBL PBL  
NR 2981/KB CK 200 77 1114 0945 RMKS 2130 TO 2120 K

**5824 kHz, 14-11, 0130 UTC, i.p.**

A74 3U56 UN3D 73NT 473U ... AR K  
OK OK  
R ... K  
R MSG T EEEE R  
MSG NR 1069 CK .9 08 1115 .00 RMKS 7770 TO 7680 K  
= = AU.. AD7N (Cont'd) Appears to be same message sent on 5313 kHz

**6022 kHz, 14-11, 0144 UTC, i.p..**

RPT 19W TO 22W K  
QSL 0942 K  
R MSG NR 2234 CK 61 78 1114 0900 K  
R 1W =  
6.EU A5UT 5A.. (Cont'd) AR K  
R OK

**6504 kHz, 14-11, 1109 UTC, i.p.**

GU/ABWE AR  
= D5GU/ABWE AR  
= D5GU/ABWE AR K (Normally associated with Exercise traffic)  
R U FF GA K K  
R GA  
RR GA K  
QSL 1911 K  
HR MSG GA K

**3187 kHz, 16-11, 1225 UTC, i.p.**

VVV N2S7 K  
R DE N2S7 K  
R HR KP U QSA 2 K  
R HR KP U QSA 2 K  
R NIL VA  
SK  
VVV 7DJI K  
R DE 7DJI K  
HR KP U QSA 2 K  
R QSA 1 K  
R NIL VA  
R SK  
VVV P6UO K  
DE DP6UO K  
R KP U QSA 2 K  
R QSA 2 K  
R NIL VA  
SK  
VVV 22AE K  
R R DE 22AE K  
R HR KP U QSA 2 K  
R QSA 2 K  
R NIL VA  
SK  
VVV P83D K

R R DE R6P83D K  
R HR KP U QSA 1 K  
R HR KP U QSA 1 K  
R NIL VA  
R SK

**3200 kHz, 16-11, 1232 UTC, i.p.**

R R IEC = 8337 AR K  
R IEC 9305 AR K (Exercise associated)  
R R HR SVC GA K (Both stations on this frequency)  
R GA  
RR GA  
SVC NR 183 20 30 RMKS 2029 TO 4989 AR K  
R GA  
UAT. 11. UAT J EEE =  
UAT2130 UGT COMM 2029271 AR =  
UAT2130 UGT COMM 2029 271 AR K  
R OK QSL 2035 AR

**3647 kHz, 27-11, 1505 UTC, i.p.**

VV ZCJO DE ORP2 K  
VV ZCJO DE ORP2 K  
VV ZCJO  
VV QSL ? K  
QSL ? K  
QSL ? K  
R R QSL ? K  
AGN  
R RPT E EEEE HEEEE EEEEEEE R RPT 1W TO 30W =  
45N. .. N U6T5 DA37 536D U67A UN46 N473 754N U75D ...UN 3756 567U D75A U4TD DNU3 T436 4N57 AT37 (Cont'd) K  
R RPT 44W TO 46W = AUNT ND3U 3TAD AR W EEEE K  
E RPT 45W 3018 3018 K  
R RPT 56W 92.0 92.. EEEEE R RPT 56W 9250 9250 K  
R RPT 34W TO 36W = = 30 EE DT35 34DT 7N34 AR K  
K R GA

**5501 kHz, 27-11, 1130 UTC**

FFF = QXH5/K7L8 AR =  
H5J6/K7L8 AR = (This type of message normally associated with Exercise traffic)  
H5J6/K7L8 AR QSY QSY QSY  
FFF = = SW46/BV84 AR (Normally contains a message number and time)  
= SW46/BV84 AR =  
SW46/BV84 AR =  
SW46/BV84 AR  
FFF = = V7F3/S8M4 AR  
= V7F3/H8M4 AR  
= V7F3/H8M4 AR  
G5J6/N8M4 AR =  
G5J6/N8M4 AR =  
G5J6/N8M4 AR  
FFF = E5J7/S7JH AR  
= E5J7/S7JH AR =  
E5J7/S7JH AR  
FFF = D5A2/LBF4 AR =  
D5A2/LBF4 AR =  
D5A2/LBF4 AR  
SH  
= = . HN3/N7M5 AR  
V5N3/N7M5 AR  
V5N3/N7M5 AR  
FFF = = = F5M7/F3G9 AR

FFF = = = F5M7/F3G9 AR  
 FFF = F5M7/V EEEEE  
 FFF = F5M7/F3G9 AR  
 FFF = = = M4BB K EEEEE = = = M4BB/F6U4 AR  
 = M4BB/F..4 AR =  
 M4BB/FBU4 AR (  
 FFF ... = U44N3  
 FF 05 02 =  
 .N3/.67 .. (Fading)  
 V 4 T T  
 V VVVV 05 22/U/...3/N7M5 AR =  
 45N3/N7A = =  
 FFF NR NR NR 05U5.. 1950 = (Finally sent a msg nr and time)  
 5BU2/5Y5 AR  
 FFF NR NR NR  
 VVV 66665NIUU

### 6747 kHz, 27-11, 0123 UTC

FFF NR 130/EX 0923  
 FFF NRF 130/EX 0923 =  
 34TT ANTT DTTT TA3T T5UT TNNT TAA. ... AR AR AR  
 34TT ANTT DNTT TA3T T5.. ANTT TAUT 74TT AR AR  
 FF NR 131/EX 0925  
 FF NR 313/EX 0925 =  
 ADTT 4DNT ..NE (Cont'd)  
 = ADTT RDTT 6NTT ... U.. AR  
 VVV ESZG QSL K  
 OK KP  
 VVV RGBE QSL K K  
 OK KP  
 VVV ..HU QSL K K  
 VVV ..HU QSL K K  
 NTA NPT K  
 AP ..  
 ... QSL K K (Data burst on frequency drowning signal)  
 OK KP  
 VVV DUWW QSL K K  
 OK KP  
 NW KK  
 OK KSK SK SK SK SK  
 VV IECZ DE .... K  
 NR NR NR QSA 2 K K  
 R R R HR MSG GA CY HR MSG GA  
 MSG NR 131 CK 40 35 1128 .935 RMKS 5885 TO 5886 AR AR  
 MSG NR 131 CK 45 .. 1128 ...36 RMKS 5885 TO 5886 AR  
 = = 5D.A 5...

## M95

### 4243//9054 kHz, 05-11, 2347 UTC, i.p.

AR  
 A HR MSG GA  
 NR 074 CK 29 35 1106... =  
 5AA .TT TT6 3U4 3A4 TTU TT3 773 357 4TA  
 .46 3D. 336 N3U 445 3DA 4D3 TT4 773 3..  
 373 4TA 446 4DU 336 N3U 445 3DA 4D3 AR  
 A HR MSG GA  
 NR 11 CK 073 35 1106 0700 =  
 .TU TT5 3U4 (Cont'd) AR  
 A HR UP SB WK AR

**Switched to voice (V26) at 2359 UTC**

**4243 kHz, 08-11, 1141 UTC, 4+4 QPSK 75/3000 LSB mode (Q26)**

**Switched to M95 at 1149 UTC**

VV HR MSG TO YR PSE CY

NR 08 CK 40 49 1108 1530 =

545 DN3 346 .UD T5U 4AN 7U6 36T 7N3 A3U

DD3 5N6 5TT 7N3 A6U DN3 7U6 3TT 7N3 ANU

DD3 5N6 53T 7N3 ANU 3U5 4UU DU5 7D5 DN3

4UU UAN NA3 7UA A53 D. (Cont'd) AR

MSG AGN

NR 08 CK 40 49 1108 1530 = (Repeats message) AR

MSG AGN

NR 079 CK 32 35 1108 1641 =

5AA UTT TTD 3U6 3A4 TTU TT3 773 354 365 (Cont'd) AR

A HR MSG GA

NR 16 CK 200 35 1108 1610 =

UTU TTD 3U6 3A4 7TU 7TA 7TN 76T 773 33A (Cont'd)

**4243 kHz, 09-11, 1141 UTC, 4+4 QPSK 75/3000 LSB mode (Q26)**

**Switched to M95 at 1147 UTC**

VV HR MSG TO YR PSE CY

NR 08 CK 40 49 1108 1530 = (This msg was sent yesterday)

545 DN3 346 NUD T5U 4AN 7U6 36T 7N3 A3U

DD3 5N6 5TT 7N3 A.U DN3 7U6 3TT 7N3 ANU

DD3 5N6 53T 7N3 ANU 3U5 4UU DU5 7D5 DN3

4UU UAN NA3 7UA A53 DN3 N3A NUA 7TD DT3 AR

A HR MSG GA

NR 081 CK 30 35 1109 1539 =

5AA UTT TTN 3U6 3A4 TTU 773 35U 4TA 445

3DA 4D3 TT3 773 35U 4AA N3D 4T3 445 3DA

4D3 TT4 773 356 4AA N3D 4T3 445 3DA 4D3 AR

A HR MSG GA

NR 082 CK 22 35 1109 1606 =

UT5 TTN 3U6 3A4 TTA TTU TT3 773 353 N3D

35U 4A5 446 33U N3U 445 4D3 N3D 4D6 3DU

N3D 3DA AR

A HR MSG GA

NR 18 CK 137 35 1109 1635 =

UTU TTN 3U6 3A4 TTU 773 35A N3D 353 4TA (Cont'd) AR

A HR UP SB WK AR AR

**Switched to voice (V26) at 1204 UTC**

**4243 kHz, 10-11, 1152 UTC, i.p.**

AR

A HR MSG GA

NR 08. CK 26 35 1110 1531 =

5AA UTT TAT 3U6 3A4 TTU TT3 773 357 373

4T3 445 3DA 4D3 TT4 773 357 373 4T3 445

3DA 33N N3U4 46 3DU 4D3 AR

A HR MSG GA

NR 29 CK 158 35 1110 1540 =

UTU TAT 3U6 3A4 TTU 773 35U 336 N3U 357 (Cont'd) AR

A HR MSG GA

NR 085 CK 24 35 1110 1625 =

UT5 TAT 3U6 3A4 TTA TTU TT3 773 35U 336

N3D 353 33U 34A N3D 35U 4T TTA 773 NAT

4AD 445 4D6 3DA AR

A HR UP SB WK AR

**Normally switches to voice (V26), but did not today**

**4243 kHz, 12-11, 1141 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1146 UTC**

VVV HR 7G TO YR PSE CY

NR 087 CK 16 35 1112 1536 =

5AA UTT .AU 3U6 3A4 TTU TT3 TT4 773 35A

U4T 353 4TA 445 3DA 4D3 AR

HR 7G GA

NR 091 CK 18 35 1112 1620 =

UT5 TAU 3U6 3A4 TTA TTU TT3 773 35U DN7

353 33N 336 36U 4UT 445 4D4 3DA AR

HR 7G GA

NR 24 CK 121 35 1112 1640 =

UTU TAU 3U6 3A4 TTU 773 35A U4T 353 4AA (Cont'd) AR

A HR UP SB WK

**(Switched to voice (V26) at 1156z)**

**8073 kHz, 12-11, 1134 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1138 UTC**

V BNGC (x3) DE XSV85 (x2)

HR 7G GA PSE CY

NR 1011 CK 232 35 1112 1632 =

TAU 3U6 3AN 3U7 TAU 773 353 4T3 NN3 446 (Cont'd)

**4243 kHz, 13-11, 1143 UTC, 4+4 QPSK 75/3000 LSB**

**Switched to M95 at 1146 UTC**

VVV HR 7G TO YR PSE CY

NR 089 CK 13 35 1113 1524 =

5AA UTT TA3 3U6 3A4 TTU TT3 TT3 35U 4TA

445 3DA 4D3 AR

MSG AGN

NR 089 CK 13 35 1113 1524 = (Repeats message) AR

A HR MSG GA

NR 26 CK 147 35 1113 1615 =

UTU TA3 3U6 3A4 TTU 773 35A N3D 353 4TN (Cont'd) AR

NR 26 CK 147 35 1113 1615 = (Repeats message)

**8073 kHz, 13-11, 1130 UTC, V26: callup in Chinese. Male operator**

**Q26 at 1134 UTC: 4+4 QPSK 75/3000 LSB**

**M95 at 1140 UTC:**

V BNGC (x3) DE XSV85 (x2)

HR MSG

NR 1013 CK 294 35 1113 1631 =

TA4 3U6 3AN 3U7 TAU 773 TA7 773 (Cont'd)

**4243 kHz, 14-11, 1142 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1146 UTC**

VVV HR 7G TO YR PSE CY

NR 091 CK 24 35 1114 1539 =

5AA UTT TA4 3U6 3A4 TTU TT3 773 35A N3D

353 4AA 445 3DA 4D3 TT4 773 35A N3D 353

4T7 445 3DA 4D3 AR

MSG AGN

NR 091 CK 24 35 1114 1539 = (Repeats message) AR

A HR MSG GA

NR 28 CK 165 35 1114 1625 =

UTU TA4 3U6 3A4 TTU 773 35U 336 N3U 357 (Cont'd)



**4364 kHz, 14-11, 1132 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1140 UTC**

V BNGC (x3) DE XSV85 (x2)

HR 7G PSE CY

NR 1015 CK 291 35 1114 1644 =

TA4 3U6 3AN 3U7 TAU 773 353 4.6 NN3 447 3D5 (Cont'd)

**4243 kHz, 16-11, 1143 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1147 UTC**

NR 09 CK 23 49 1115 0720 =

5N7 D67 UDT 7U6 55T 7N3 ADU DD3 546 3AA

7N3 A4U 776 3U5 NUT 5N5 3AU 733 DN3 N3A

NUA 7TD DT3 AR

7G AGN

NR 09 CK 23 49 1115 0720 = (Repeats message) AR

A HR 7G GA

NR 095 CK 21 35 1116 1533 =

5AA UTT TA6 3U6 3A4 TTU TT3 TT4 773 35A

U4T 353 4TA 446 346 N3U 445 3DU N3D 3DA

4D6 AR

7G AGN

NR 095 CK 21 35 1116 1533 = (Repeats message) AR

A HR 7G GA

NR 32 CK 131 35 1116 1600 =

UTU TA6 3U6 3A4 TTU 773 35A N3D 353 4A4 (Cont'd)

**8073 kHz, 19-11, 1136 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1140 UTC**

Mon V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY

NR 1033 CK 36 03 1119 1.05 =

TAN 3U6 3AN 3.. TAU 773 TA5 773 353 (Cont'd)

**4243//9054 kHz, 19-11, 1143 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1149 UTC**

VVV HR 7G TO YR PSE CY

NR 001 CK 40 35 1119 1521 =

5AA UTT TAN 3U6 3A4 TTU 773 35A N3D 353

4AA 445 3DA 344 N3U 446 3DU 4D3 TT3 773

35A N3D 353 4AA 445 3DA 33N N3U 446 3DU

4D3 TT4 773 35A N3D 353 4AA 445 3DA 4D3 AR

MSG AGN

NR 001 CK 35 1119 1521 = (Repeats message) AR

A HR MSG GA

NR 38 CK 196 35 1119 1555 =

UTU TAN 3U6 3A4 TTU 773 35A N3D 353 336 (Cont'd)

**3156 kHz, 21-11, 1703 UTC**

V FE6K (x3) DE IR7D (x2)

DE

9PIQ QSA 2 QSA ? K

NR

AS DE

CE EEEE CIE8 QSA 2 QSA ?

NR

AS

DE

YU4R QSA 2 QSA ?

NR

AS

DE

YPC6 QSA 2 QSA ?

NR  
AS  
DE  
TEW4 QSA 2 QSA ?  
NR NR NR  
AS AS  
DE  
VQM2 QSA 2 QSA ?  
NR  
AS  
DE  
RI6N EEEE RE7T QSA 2 QSA ?  
NR  
AS  
DE  
JC1T QSA 2 QSA ?  
NR  
AS  
DE DE  
M46Q QSA 2 QSA ?  
NR  
AS  
DE  
SL9Q QSA 2 QSA ?  
R NR  
AS  
HR HR CQ MSG GA PSE CY  
HR CQ MSG GA PSE CY  
MSG NR 617/CCK CK 99 71 1122 0100  
MSG NR 617/CCK CK 99 71 1122 0100 RMKS = EEE  
RMKS = CQ AR  
MSG GA = = = (Message header indicates M95 family)  
7DA6 3DA4 (Cont'd) AR  
9PIQ K  
K  
NIL SK GB  
CIE8 K  
K K  
NIL SK  
YU4R K  
K  
NIL SK GB  
YPC6 K  
K  
NIL SK GB  
TEW4 K  
K  
NIL SK GB  
VQM2 K  
K  
NIL SK GB  
RE7D K  
K  
NIL SK GB  
9CJT K  
9CJT K  
K  
NIL SK GB  
M4BQ K  
M4BQ K  
K

NIL SK GB  
SL9Q K  
SL9Q K  
K  
NIL SK GB  
HR WK NR .16 116 HR WK NR 116 116

**8073 kHz, 23-11, 1143 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1144 UTC**

BNGC DE XSV85 HR 7G PSE CY  
NR 1056 CK 62 35 1123 1639 =  
TAA N5U TU3 N33 N53 TAD N54 7TT TA3 746 (Cont'd) AR  
HR MSG GA  
NR 1057 CK 284 35 1123 1644 =  
TU3 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 NN3 (Cont'd)

**8073 kHz, 27-11, 1133 UTC, 4+4 QPSK 75/3000 LSB (Q26)**

**Switched to M95 at 1141 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 10810 CK 3 II  
NR 1071 CK 37 II  
NR 1081 CK 38 35 1127 1551 =  
TAA N5U TU7 N54 UD6 (Cont'd) AR  
A HR 7G GA  
NR 1082 CK 297 35 1127 1607 =  
TU7 3U6 3AN 3U7 TAU 773 357 (Cont'd)

### ***MC03 - Chinese Air Defense***

**4088.5 kHz, 24-11, 1457 UTC**

N3N UA56D3 6NU5DN4 AA3 36  
N3N UA56DD 74U6UU5 AT5 5N

### ***UM03 – Chinese X2M net***

**8111 kHz, 05-11, 0001 UTC, i.p.**

OK 7G DHLGL ?  
AS AS (Both stations on this frequency)  
NR NR 45 NR 45 CK 50 50 0 .. ?  
= UJYBQ .DK ZCR FUXMO DFXEG

**6715 kHz, 16-11, 1208 UTC, i.p.**

PCHAL FDNNJ JUMOB OTVFA BBXYB RJSND AR  
NR NR 23178 NR 23178 = =  
VYRV. RT.II QHFGF LPGIN NKRZA (Cont'd) AR  
NR NR 23278 NR 23278 = =  
SLZUI IQGVX XBBCX TIYTX HGSZP WIYCM USFIG (Cont'd) AR  
NR NR 23378 NR 23378 = =  
XPHRV HUUSW QC... (Cont'd)  
NR NR 23489 NR 23489 = =  
NQP.. L..B (Cont'd)

## HM01 - Dirección General de Inteligencia

### HM01 RDFT file log by MDK2

**Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):**

01/11/2018	86421	26288642.txt	9330 0700 (02 NOV) *
	20046	50432004.f1c	
	70303	55787030.txt	
	08038	12470803.txt	
	03625	30210362.txt	
	12747	31181274.txt	

\* The numbers that had been sent every day SEP 10 – OCT 31 were also sent on NOV 1 for the 1600, 1700, and 1800 broadcasts. Ary B. in the Netherlands copied these new numbers and files from his QTH at this later time. I decided against logging the earlier numbers and files since they did start with a new set in the same “day” (which, for HM01, begins with the 1600 UTC broadcast one date and ends with the 1000 UTC broadcast on the next.) To see those numbers, see either N&O 251 or 252.

**Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):**

02/11/2018	86422	repeat	11435 1600
	20047	repeat	
	70304	repeat	
	81001	50838100.txt	
	03626	repeat	
	64881	20216488.txt	

Carrier was up by 1600, but broadcast didn't begin until 1615 UTC. At 1629, as it was in the middle of sending a file, the broadcast restarted. (This seems to be it's regular start time now, about half a minute before the hour or half hour mark.)

**Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):**

03/11/2018	86423	repeat	11435 1600
	20048	repeat	
	70305	repeat	
	81001	repeat	
	03627	repeat	
	64881	repeat	

All number groups and files sent on 03 NOV. would be transmitted every day for the remainder of November. The times and frequencies logged for each date are as follows:

Date	Freq. and time	Date	Freq. and time	Date	Freq. and time
04/11/2018	11435 1600	13/11/2018	11435 1600	22/11/2018	11530 1700
05/11/2018	11435 1600	14/11/2018	11435 1600	23/11/2018	17480 2200
06/11/2018	11435 1600	15/11/2018	11435 1600	24/11/2018	17480 2200
07/11/2018	11435 1600	16/11/2018	11435 1600	25/11/2018	11435 1600
08/11/2018	11435 1600	17/11/2018	16180 2100	26/11/2018	11435 1600
09/11/2018	11435 1600	18/11/2018	11535 1700	27/11/2018	11435 1600
10/11/2018	16180 2100	19/11/2018	11530 1700	28/11/2018	11435 1600
11/11/2018	11435 1600	20/11/2018	11435 1600	29/11/2018	11435 1600
12/11/2018	11435 1600	21/11/2018	11435 1600	30/11/2018	11435 1600

### Notes and observations of unusual transmissions or mistakes:

01/11/2018 – new numbers and files transmitted at a later point in the “HM01 day” as noted above

02/11/2018 – late start as noted above

11/11/2018 – late start for 1600z transmission on 11435 (1606z)

28/11/2018 – HM01 was active on 11635 during the 1600 UTC hour on 11/28. Observed at 1625-1632 UTC. There's a chance that it had also started late, but I was late myself so that's speculation. At 1632 it QSY'd to 11435 kHz.

## HM01 RDFT file reference

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

<https://www.dropbox.com/sh/4qn0l3sewv6c5sq/AADeHIRASDrp58grv5r8CMtea?dl=0>

### Sort by file name

File Name:	Numbers:	Date first transmitted (DDMMYYYY):	Sort by Date Date (DDMMYYYY):	File name or repeat:	Numbers:
12470803.txt	0803#	01/11/2018	01/11/2018	26288642.txt	8642#
20216488.txt	6488#	02/11/2018	01/11/2018	50432004.f1c	2004#
26288642.txt	8642#	01/11/2018	01/11/2018	55787030.txt	7030#
30210362.txt	0362#	01/11/2018	01/11/2018	12470803.txt	0803#
31181274.txt	1274#	01/11/2018	01/11/2018	30210362.txt	0362#
50432004.f1c	2004#	01/11/2018	01/11/2018	31181274.txt	1274#
50838100.txt	8100#	02/11/2018	02/11/2018	20216488.txt	6488#
55787030.txt	7030#	01/11/2018	02/11/2018	50838100.txt	8100#

### Sort by number group

Numbers:	file name:	Date:
0362#	30210362.txt	01/11/2018
0803#	30210362.txt	01/11/2018
1274#	12470803.txt	01/11/2018
2004#	50432004.f1c	01/11/2018
6488#	20216488.txt	02/11/2018
7030#	55787030.txt	01/11/2018
8100#	50838100.txt	02/11/2018
8642#	26288642.txt	01/11/2018

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

### M42

13441	1-11	0834	Thu	Russian diplo i.p.	MFSK-66
15830	12-11	0925	Mon	Russian embassy Rabat, MRC	Serdolik MFSK
12215	13-11	1044	Tue	Unid Russian Embassy, Central Asia? Offline crypto after 11177 00085 37654 7546 QSX 13961 kHz	Serdolik MFSK
13961	13-11	1044	Tue	MFA, Moscow QSX 12215 kHz	Serdolik MFSK
12158	22-11	1200	Thu	Russian diplo i.p.	Serdolik MFSK
5377	27-11	1725	Tue	Russian diplo/intel	Serdolik MFSK
9142	30-11	0722	Fri	Russian diplo/intel i.p.	Serdolik MKSK

### M42b

#### 4538 kHz, 9-11, 1711 UTC, CW

VFGK wkg DATZ (Outstation on 4816 kHz)

### F01 – FSK 200/500

#### 8172/6791/4546 kHz, 07-11, 1940/1950/2000 UTC

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

**20741 kHz, 02-11, 2230/2330 UTC**

**18702 kHz, 02-11, 2240/2340 UTC**

11177 00116 65148 02048 02079

80310 36732 21533 82858 08693 37437 13964 20295 74649 12318  
13892 45100 13300 02224 79854 78600 64375 81093 02643 86708  
19816 48501 59706 28950 27281 77979 88980 52024 37300 15800  
04753 14201 30048 22024 58408 42542 75752 28660 09126 94828  
27867 70945 42239 65743 94406 02284 31119 00025 76919 87651  
14857 66914 36769 76090 76687 76653 76972 64075 40128 01520  
71649 53511 00708 16414 98622 52327 39015 06979 28998 93636  
04496 64198 04905 50160 28849 83449 17576 24255 05297 76812  
03287 46380 49797 51378 09521 32733 23861 60919 15094 96824  
65347 47140 48334 61554 66967 56430 02538 50566 73408 08153  
51140 11857 85160 91249 01443 25132 60696 80867 54460 55391  
50496 74309 66045 82868 53401 77808 97839 72502 48062 65663  
41713 08290 10816 78821 38935 41227 79140 47876 80861 45259  
38843 50593 46253 20009 80967 21448 49844 19680 93638 95017  
19826 75939 97973 50419 41436 42276 18511 30644 75382 73537  
48001 64583 12295 54631 20651 94468 10812 98868 20249 81564  
68635 74240 27201 61949 96942 02368 92867 35359 59799 05210  
20636 94840 84482 42779 93984 08059 09182 87684 89837 07196  
30148 66661 78296 59437 82887 60491 22246 02398 68697 26889  
88168 04844 29645 54705 76435 37328 30866 97193 71235 70260  
73718 47689 63969 75605 27663 48205 00000

**20741 kHz, 09-11, 2230/2330 UTC**

**18702 kHz, 09-11, 2240/2340 UTC**

11177 00116 68139 08049 01149

50496 74309 66045 82868 53401 77808 97839 72502 48062 65663  
41713 08290 10816 78821 38935 41227 79140 47876 80861 45259  
38843 50593 46253 20009 80967 21448 49844 19680 93638 95017  
19826 75939 97973 50419 41436 42276 18511 30644 75382 73537  
48001 64583 12295 54631 20651 94468 10812 98868 20249 81564  
68635 74240 27201 61949 96942 02368 92867 35359 59799 05210  
20636 94840 84482 42779 93984 08059 09182 87684 89837 07196  
30148 66661 78296 59437 82887 60491 22246 02398 68697 26889  
88168 04844 29645 54705 76435 37328 30866 97193 71235 70260  
73718 47689 63969 75605 27663 24360 43637 49429 38245 43224  
74161 68704 96951 60222 27361 00723 10748 01873 47134 42464  
98425 72744 49112 00000

**20741 kHz, 16-11, 2230/2330 UTC**

**18702 kHz, 16-11, 2240/2340 UTC**

11177 00116 45217 15050 02189

\_\_\_\_\_ 36129 31947 84503 61063 20615 54765 69374  
52547 44307 86884 31492 06892 66495 04871 72722 61061 59490  
91771 15977 67365 63948 12939 08850 96385 61159 84810 30444  
47631 75962 17857 41857 53883 18967 43338 60488 89776 43030  
92540 59469 22477 54812 89368 02105 11085 06462 58628 47240  
62990 81311 03403 91969 33805 66400 46267 56987 28299 60276  
13215 99149 10758 70480 42961 04222 05529 02838 04091 96254  
49936 05029 43517 43146 94226 41278 92888 68383 33804 76890  
68790 33373 26526 58796 04104 87086 24793 92830 17891 54925  
74994 59357 08199 78253 49020 19621 20731 19056 77406 47485  
82606 64628 96070 10137 72645 20290 99451 03788 60467 60975  
97853 38379 37874 19098 85843 71380 97993 24371 22021 75174  
17111 70408 51662 19648 08102 29756 46379 74917 06085 39415  
41554 98385 22270 34636 33443 97258 90247 65713 \_\_\_\_\_  
\_\_\_\_\_ 99076 37615 06508 \_\_\_\_\_  
\_\_\_\_\_ 43860 89223 18342 24517 57169 81333 79867  
04848 16852 19960 64990 89314 \_\_\_\_\_ 40137 41130  
32175 \_\_\_\_\_  
\_\_\_\_\_ 90898 80370 69217 \_\_\_\_\_  
\_\_\_\_\_ 84883 87524 50573 27213 49419 57412 21620 22974  
35614 03127 79810 76010 25197 13120 68749 24459 12896 06409  
45466 39952 13099 13458 57338 95538 50216 00000

Link 00117 via Cuba

**12101 kHz, 05-11, 0025/0125 UTC / 9215 kHz, 05-11, 0035/0135 UTC**

11177 00117 83407 02049 02439

24360 43637 49429 38245 43224 74161 68704 96951 60222 27361  
00723 10748 01873 47134 42464 98425 72744 05600 40320 86992  
35481 07249 92366 77469 60995 17308 54394 62386 27076 74312  
47558 07737 79320 78207 14611 28871 01079 07693 36498 46997  
80143 59438 55283 18270 52611 78867 74900 27162 04822 33272  
45416 80488 35247 47565 76970 32380 52515 11589 33678 62510  
00828 87015 08071 51339 48236 09070 20004 08119 93991 26479  
32875 60469 68968 59870 78587 80528 57257 91739 69987 73652  
84064 96659 62887 57022 91381 37614 92018 63420 59449 19934  
12572 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 66816 82537 35518 17682  
47733 37789 64645 42097 75446 56514 95271 70061 02586 32031  
92667 41314 91110 21257 35015 86719 02398 03157 77098 03148  
90513 01992 00739 76493 38037 15122 13274 59649 04179 05566  
10415 49241 00000

Link 00052

**20288/18404/16266 kHz, 15-11, 0900/0910/0920 UTC**

11166 00052 75418 09032 02769  
56990 16119 41866 22078 67617 74804 65404 40426 89099 66286  
00392 97356 37832 82588 49250 75946 13489 53008 08121 37113  
26368 56064 88599 62453 72918 79819 41728 67469 57778 39540  
96135 67207 77625 42295 19596 07475 69082 21959 83149 37849  
86548 94665 62825 58580 22016 63915 19384 22031 52666 62893  
14277 74832 08087 16550 71576 98649 34391 51769 01066 06310  
20028 63211 73002 52233 07042 05776 89956 81799 59577 99823  
35905 71356 61004 63132 17680 68404 43898 27715 95571 06747  
30053 57180 64148 16275 24348 36972 53777 26511 06222 74308  
58567 25533 36820 12402 16505 61292 65007 62128 17047 24017  
47020 45074 86647 42383 85324 54862 69091 17573 84004 24653  
19767 66774 90345 40696 65428 50331 86281 87279 00177 21205  
99918 18417 82245 75401 54385 19607 04444 40696 86049 74165  
21864 63733 53251 39019 13978 75791 73648 70292 28801 70202  
96722 95205 97389 03129 17674 99877 61515 68527 66831 41307  
05540 21399 45255 77691 93903 49940 18276 82890 25529 69349  
28770 16838 17261 31590 48998 29324 17715 46178 45272 39154  
87860 00943 03438 53777 35247 60633 32904 98490 14082 16893  
56846 78511 50789 85680 79787 64135 37833 62717 65639 43937  
46963 43559 05125 69946 37767 75869 85078 60990 08353 10365  
59555 80663 42676 50513 94254 05837 76918 98577 27046 10484  
65259 90946 73983 95404 63602 98938 13793 78137 68161 72372  
44638 41049 91499 88239 63555 35564 91846 08337 40747 69243  
86170 63735 01782 23121 95830 67868 16350 86809 86734 05849  
10489 48791 88244 87144 40445 85086 32857 81881 84872 72184  
55298 71223 25931 11258 87692 29803 70919 53352 26015 11624  
71898 21900 71550 93282 63787 67437 41225 09609 18745 40521  
28221 51641 61914 54222 32274 00000

**20288/18404/16266 kHz, 28-11/29-11, 0900/0910/0920 UTC**

11166 00052 74391 27033 01649  
65440 34337 52866 34313 76167 92022 76404 52761 98549 84404  
11392 09691 71163 55179 70290 81402 09283 44067 05864 73930  
86246 08141 95258 18470 24568 33216 27667 62661 46757 82684  
99364 00217 95518 02779 01645 43552 11343 15691 83891 46251  
21470 25986 89392 08424 70326 90579 31472 12306 81652 76858  
57309 95476 10945 91735 69109 05209 33774 35265 48914 81166  
17578 25927 40255 27482 37940 32310 54777 27560 42063 91098  
05247 39525 04635 52466 12813 34711 00170 59241 97021 56241  
91029 66941 36869 60914 84907 52866 36914 14261 50019 29608  
63186 70716 26816 18553 52733 81990 00731 07825 45666 80601  
60296 03813 52216 75318 35349 01371 45683 61047 23906 80487  
19791 02498 82390 07364 54134 08901 03065 98299 10870 44736  
60711 30627 53450 01151 34345 42110 99888 38977 76288 58303  
62192 36667 23618 83277 19157 30426 95386 01496 30859 13678  
92721 65687 17818 11522 16060 77781 43091 77129 56367 16843  
46470 43195 92464 15219 40627 66963 00321 71037 09386 92256  
11006 28978 33162 00000



Link 10031

**20349/18573/16245 kHz, 14-11, 1015/1025/1035 UTC**

11166 10031 78963 14001 00049 00000 00000 00000 00000

**20349/18573/16245 kHz, 28-11, 1015/1025/1035 UTC**

11166 10031 96325 28001 00049 00000 00000 00000 00000

Link 10053

**10644/8159/7438 kHz, 04-11, 1510/1530/1550 UTC**

11166 10053 13579 04001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 06-11, 1650/1700/1710 UTC**

11166 10053 79513 06015 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 11-11/12-11, 1510/1530/1550 UTC**

11166 10053 36987 09064 01889

87630 80389 99118 71815 80736 21971 12173 72017 13190 19584  
97792 88136 94094 46547 38371 51304 58488 48322 96995 37104  
35214 18090 42370 01840 50321 13688 54573 10931 97122 32358  
74176 43869 61220 43936 95014 61880 05941 89717 80333 68375  
00556 76843 71649 91101 14650 76090 30983 64654 85886 68237  
24201 35482 14912 16426 12783 14358 65214 16888 21904 02803  
27829 13337 37699 58780 32538 39256 21178 45336 69149 01301  
21535 99422 14322 11478 40982 69576 06244 97371 98909 22660  
79535 39160 10773 66207 36158 09142 62066 35289 35521 31402  
92840 72030 14285 46690 07501 53631 65939 39070 27334 58510  
06176 56247 49028 30205 75034 07766 86880 28376 01353 84981  
74951 94732 58177 68388 86661 32868 56641 74246 67680 43637  
97082 80543 34842 05560 52148 20215 88870 24830 11809 04861  
05450 13290 81999 90571 70846 72178 67444 09173 50616 20912  
73810 33760 39208 08286 52554 62502 99576 68909 12679 02609  
90700 46430 78479 05418 11527 89383 69646 59752 07104 01661  
14504 99833 86262 47064 85695 11794 30921 92126 42521 36624  
33633 48367 24765 77426 47537 54250 89514 98888 64581 87436  
03415 81341 68373 88121 96062 13541 64186 00000

**10536/8174/7318 kHz, 13-11/14-11, 1650/1700/1710 UTC**

11166 10053 48237 12068 01669

72396 04596 48364 47395 27587 72976 26462 22879 01409 32919  
29201 72504 31527 83581 09523 73264 91774 55560 36935 55635  
49503 03298 88023 84110 93689 23702 71464 54625 15103 08352  
95567 45334 18243 58586 42856 18757 67001 08631 53157 37963  
09364 79465 41320 39556 22224 88079 95669 80971 79765 93630  
95386 65550 98339 83963 98908 03958 01914 51351 00882 55370  
73238 65563 10773 86767 40849 03769 42819 71007 06699 12455  
24637 87197 57203 80485 34431 97959 91441 62250 61917 87477  
82412 36295 51979 88249 29257 99712 42449 42948 93705 90457  
10215 77640 92639 24244 66677 93147 63508 17986 90173 73939  
95648 32822 38801 48969 75667 11728 59441 16030 71493 76342  
93047 60327 32108 38303 57689 87565 98081 24707 87559 40043  
18955 38801 75992 35831 03956 11773 41444 03550 54994 81106  
70221 83246 22757 39878 54047 79994 01715 10745 72270 67477  
86745 08027 91865 51571 36008 00433 68318 28410 98849 01957  
22946 45309 77041 96543 78948 94218 52112 00824 58331 54568  
64242 80085 99307 18199 68164 00000

**10644/8159/7438 kHz, 18-11, 1510/1530/1550 UTC**

11166 10053 78963 18001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 20-11, 1650/1700/1710 UTC**

11166 10053 75398 20001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 25-11, 1510/1530/1550 UTC**

11166 10053 17935 25001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 27-11, 1650/1700/1710 UTC**

11166 10053 79642 27001 00049 00000 00000 00000 00000

Link 40122

**20082/18207/16141kHz, 07-11/08-11, 0600/0610/0620 UTC**

11166 40122 96852 03002 04419  
91922 36732 84775 46190 90208 74950 46451 90571 07668 17636  
24996 49805 40983 92896 59465 86724 17091 74258 86709 06648  
42933 73167 22616 57349 74054 25721 14547 84985 62985 78334  
88399 63163 73346 02015 38741 37346 70613 89941 35439 51776  
25483 18026 45242 51102 90765 73158 91729 73905 37764 78807  
02087 80305 63044 72677 14129 80837 01576 16101 42017 58778  
07137 39860 24103 03135 85951 56116 01344 94442 94491 91141  
99712 10603 37367 18547 15065 44910 26255 97671 23862 53493  
85803 46849 68234 74317 17443 06217 88783 84972 57048 69764  
03579 91410 87377 91310 56787 64828 91248 94090 85363 68884  
56361 38647 77249 44432 67721 28707 19510 43963 48609 59734  
59854 32947 36002 39848 29964 00243 01429 37789 04087 44794  
53152 37626 91310 30771 80649 04888 84975 28359 27313 93806  
17646 82386 02304 50364 95086 75956 67512 90827 07688 81304  
60550 60456 42760 15037 39715 02078 46149 39954 61864 89207  
06608 80649 29135 03416 61352 45058 65457 60611 46254 69154  
08780 15947 39094 26978 29963 02015 69325 73182 14264 80044  
92768 10292 66364 08763 54697 97846 24860 60625 89728 45636  
97173 40098 31980 58200 50804 83671 33906 22787 21864 46309  
17270 57953 26848 04003 04679 65000 88545 27131 05130 49427  
12068 04304 51987 04594 71897 21388 16844 74772 95916 25392  
47701 39787 57347 27900 04899 88421 10530 27748 93237 72782  
31500 57624 13733 60807 49278 84282 83429 29107 78820 17057  
96726 63321 91574 04364 26639 58192 84559 22881 89441 34522  
33927 89089 21128 15216 43933 47865 39120 27599 27246 17811  
87674 24183 77556 98010 90417 39083 20395 65904 58439 22265  
53120 20952 27402 18808 09999 53798 22083 85382 13323 45603  
71796 61117 96497 27243 25135 35047 10045 53057 37464 77332  
46448 68836 29607 26440 44785 78735 41158 49457 61084 40798  
26864 17752 15339 45785 69509 65141 51118 58989 07742 20771  
68721 29726 02273 33892 17794 98188 88907 32714 60357 54352  
91812 84533 40194 28618 95486 49315 19504 18879 98852 43919  
68795 83709 99922 59160 20931 56340 84462 96890 25271 59135  
17097 19277 62853 23237 58301 27491 08547 43078 55696 11965  
51109 20441 83112 41426 07105 77755 25830 82884 89589 45333  
35462 69770 17539 52192 02896 60394 76917 75211 22735 53935  
69359 26245 47697 56133 09379 81934 56373 11874 56048 85873  
82813 46860 90100 77822 81368 85546 72362 29667 25214 37537  
44484 92800 62010 69627 57888 86617 75125 05669 41879 82806  
23868 21469 46848 65139 61150 26883 23518 69428 52042 52311  
24155 33348 41633 81771 36694 10812 45653 99743 87713 30579  
62279 43974 75189 03802 28580 81415 16980 10165 70018 49513  
25960 17347 16461 29996 47764 13455 83127 47384 22057 57143  
39926 09387 53282 75091 17593 31384 01815 61535 24096 02439 00000

**20082/18207/16141kHz, 14-11/15-11, 0600/0610/0620 UTC. Two messages**

11166 40122 85231 10003 02679 16308  
02284 36421 52643 07656 08300 44818 45901 28638 78381 79586  
34016 02979 30935 06652 91122 98886 69669 32915 68503 31634  
40257 08301 98560 52174 17171 78674 53186 07733 50378 38089  
98709 85305 26591 53776 14619 74006 24754 62329 68236 07200  
70457 60520 62539 70357 18962 39180 99315 85572 21527 33584  
24833 08671 54725 88774 50220 99863 17431 63269 63740 53863  
25180 19580 77149 00418 56571 74987 73319 11189 31408 11014  
47323 73914 25272 65009 58159 19797 50201 52319 33313 15046  
56177 92449 93335 52530 33092 37674 88629 04450 17899 27518  
65626 21989 36621 17562 04556 92883 35914 56001 95969 92825  
83865 06389 48238 91661 44717 40014 43177 00307 57209 46349  
82018 69328 71213 34988 88892 75114 22368 27544 64021 54592  
49372 62910 03804 74402 83662 64349 29989 45502 66121 41823  
95105 19099 70540 28031 56368 24880 38497 71559 35207 37463  
55353 35612 04648 81999 22045 75736 71695 14889 02375 94993  
46940 40513 50463 00004 18544 49959 48079 06316 72820 92636  
06507 66524 28577 16754 12662 19580 77414 39575 24130 84728  
47178 33400 42815 48515 30729 38204 21891 18298 47250 36878  
85746 40694 28242 53998 67595 08412 45429 64077 94459 03898  
22738 20213 74196 53236 99544 39100 64270 88739 37391 03313  
26945 43670 87327 66817 00588 27527 60105 74648 41784 55334  
66374 32673 17930 29379 19098 88394 55003 96814 15357 08735  
70202 31596 39736 65718 44130 14154 56483 66007 12219 07275  
82621 85219 80083 51595 59209 92976 92478 29177 62929 79602  
10571 68573 25199 20425 77184 89845 50989 38610 74736 12955  
54534 52476 05521 77971 54126 18204 49058 50535 93179 03908  
76173 11013 79746 55988 03265 00000

11166 40122 16349 10004 02699  
24059 79666 92896 14907 28802 65166 44848 74582 14952 75709  
01120 96654 43636 84482 40405 13439 45649 66531 18281 79545  
52699 48731 85798 08611 99843 15715 87870 08963 22549 88939  
27377 47900 96828 21098 05926 99264 95871 73031 77220 54007  
61620 65366 73955 98431 14725 22036 94189 89795 51316 47886  
58125 83968 00029 07552 71236 94821 37720 97790 54684 90050  
87311 30456 28953 53106 46205 68313 61645 65925 18697 80863  
15380 92155 50833 12380 56716 65553 91150 79340 12060 13240  
25721 39438 81475 68515 60968 99364 46343 52910 52657 53548  
31807 32156 04524 71037 09940 75778 84968 72716 54575 74983  
35253 66041 83728 98537 67639 29481 50560 91317 76904 63853  
68808 45233 13678 52747 83630 97188 93025 99206 23801 33791  
36733 30878 96178 07484 72708 90799 08413 93787 39961 56024  
30797 44349 72578 51259 33232 15474 61145 49714 58211 76836  
15041 78346 15789 30052 74058 69686 11455 91800 42770 27427  
42856 21192 46087 97979 26304 96049 29451 65170 39006 67813  
52090 10266 87955 49741 46775 04521 41416 18101 44523 26437  
83952 31033 87677 20904 80920 94782 79802 42440 63372 31980  
45834 49686 69316 31655 00923 43366 02249 85684 51400 64888  
92920 41349 76323 97781 75255 24692 63005 39146 12371 14363  
95007 33318 33633 70641 15993 84920 68682 49326 17908 93505  
89371 55164 26913 76959 95552 14532 85504 75862 05642 72029  
54266 56006 37916 40702 81690 51225 93466 60547 15496 13764  
76746 45020 53893 64339 14660 20212 60228 59105 60117 86393  
89436 15695 91003 56605 99762 65532 40497 51987 48160 24608  
19672 58540 92822 99888 18316 74991 51287 73564 94920 06465  
87536 32318 91759 83644 26541 33797 36008 04267 00000

**20082/18207/16141kHz, 21-11, 0600/0610/0620 UTC**

11166 40122 57802 21037 00049 00000 00000 00000 00000

**20082/18207/16141kHz, 28-11, 0600/0610/0620 UTC.**

11166 40122 74109 24005 03089

67022 08424 17334 20167 94516 36049 62008 55096 20992 97786  
68583 32763 10144 31913 02433 25031 21266 09772 69666 84401  
01602 66287 13439 44297 81529 44637 81058 73358 39767 91020  
41579 82169 30782 60462 58578 05876 91594 19589 47789 11106  
70170 57321 74286 00655 42573 39401 68914 14358 11080 67719  
68633 49592 00440 30352 10485 49844 94463 53268 33856 34781  
80137 89627 70734 70263 91435 07617 28631 01743 70033 62759  
95878 99464 85101 65631 23969 88930 79370 80930 66635 65059  
33647 18825 80362 13462 66983 04530 16000 87295 14672 37037  
56189 13116 51260 72953 78266 24170 50778 96361 47354 44573  
01353 60665 69303 72796 16406 13332 58194 37912 09633 39497  
98075 27025 25917 85342 03623 07345 45410 47205 09418 91306  
02932 37337 42527 18214 89890 62274 58060 50809 30917 74730  
42420 10233 52385 84972 13900 97790 85019 42596 75340 76980  
67772 24657 98522 14209 45154 91087 44991 01639 75210 93327  
52981 10595 90335 47125 45152 48988 78096 05430 36813 21166  
74271 92320 49316 13651 85278 83912 58318 55194 82189 47162  
31594 24581 33514 72533 36082 04626 68933 61438 18863 05804  
91186 54408 91745 07943 78287 10920 74160 93415 43258 76821  
74032 70286 43572 00292 11339 08820 57490 82277 14022 39821  
69476 72331 40959 88220 31894 45807 11668 40352 95142 23335  
47440 68364 23452 18521 53580 60192 38502 24803 97459 28535  
58069 77413 62042 97279 21866 51366 79599 88793 21791 81422  
75283 60545 78752 14966 75247 64469 33262 33725 59009 27529  
41983 05283 60740 76905 97434 50301 49167 58249 13010 36420  
40769 20447 40533 34734 25975 65316 12507 99828 13023 85688  
26265 59264 19193 40303 12203 23490 64086 38960 53278 52095  
44645 36359 47968 37346 96594 58073 33874 90949 71998 07083  
14152 44975 87622 24315 53970 02872 23778 01631 39167 01526  
78342 70683 14309 70283 05648 16094 42325 97893 94915 86386  
52917 43288 67930 01108 71923 51154 05306 00000

Link 40133

**22871/20629/18553 kHz, 03-11, 1500/1510/1520 UTC**

11166 40133 56248 03001 00049 00000 00000 00000 00000

**22871/20629/18553 kHz, 10-11, 1500/1510/1520 UTC**

11166 40133 45698 10258 00049 00000 00000 00000 00000

**22871/20629/18553 kHz, 17-11, 1500/1510/1520 UTC**

11166 40133 14279 17038 00049 00000 00000 00000 00000

**22871/20629/18553 kHz, 24-11, 1500/1510/1520 UTC**

11166 40133 74185 24001 00049 00000 00000 00000 00000

**17416/15605/13373 kHz, 03-11/04-11, 1100/1110/1120 UTC**

11166 50046 39716 02061 02089  
 25326 69951 16195 46320 62798 52171 69550 66072 01892 58149  
 64288 79005 67803 45269 31232 82481 49520 50117 13672 64974  
 99978 91854 01682 97555 84511 36986 71945 30916 57387 86564  
 59871 67390 78463 21647 85900 87184 57083 68084 09638 78138  
 66107 30751 37908 81408 75470 27978 57472 39629 32050 62323  
 18554 66796 83382 52418 71709 60375 01182 43930 26420 86586  
 25610 04313 02689 43355 69459 94839 07815 20015 04396 08910  
 65836 65385 46557 49010 23479 29539 78227 91277 67537 73110  
 17929 82676 82796 97733 70592 46368 02725 21610 26174 18865  
 28260 58683 46044 96882 95255 27965 11744 42340 94291 98397  
 25800 36966 99253 13453 46994 50951 09310 54283 58785 39976  
 26603 98340 62792 38478 69512 11955 34436 79829 31215 89420  
 84121 22472 32335 15662 26537 58105 82534 92630 28404 25841  
 15429 58535 26812 73256 91237 54446 34328 28833 79535 63827  
 08604 27463 12663 04706 44759 16636 57509 09552 69472 01224  
 24623 58252 24306 60282 74471 70719 70131 30619 18852 18371  
 35493 46793 90309 13843 76469 42413 56449 19188 56897 87565  
 62948 90440 83950 41994 82177 17995 00397 04999 47467 11838  
 00432 73866 96489 51554 35117 30542 34414 02888 56075 27234  
 41212 39791 51835 94660 40728 86354 64357 68681 48941 65209  
 69481 87428 27281 37645 64363 88703 61206 00000

**17416/15605/13373 kHz, 10-11/11-11, 1100/1110/1120 UTC**

11166 50046 95741 09062 00629  
 31346 76868 16195 46320 78718 69088 69550 66072 17812 65056  
 64288 79005 74609 09636 69250 10098 12264 58678 65653 02870  
 87200 38729 18068 88724 86666 58707 56770 56882 32721 73874  
 90240 40611 88941 00124 85153 52298 87941 85237 99537 75562  
 50732 09818 25055 20109 80133 33175 08887 86026 24213 16551  
 65017 36555 88739 58098 05154 51703 34559 23763 05976 41825  
 62060 00000

**17416/15605/13373 kHz, 17-11/18-11, 1100/1110/1120 UTC**

11166 50046 15987 16063 01089  
 15227 01164 28224 34085 52699 94384 71689 54737 91793 90352  
 76317 67760 65203 69954 18382 85815 53261 97807 03955 18005  
 87975 00337 84287 38946 70731 41601 39638 87843 58516 78829  
 41308 17690 95840 77585 39420 28348 05650 55219 85427 24812  
 04502 11070 89688 26776 93186 03484 85258 43660 81910 23590  
 30947 60229 91226 51443 67033 90285 80124 10149 52526 94774  
 61253 81056 26444 74003 58026 96189 74931 38432 07263 00555  
 08301 21162 27313 12029 74088 13289 08553 23684 20998 02692  
 18155 75500 04621 94851 81688 65221 05396 81577 54575 49119  
 31322 99741 10098 65644 21140 80586 45790 26772 59794 70261  
 75163 84125 58480 85195 56309 78278 63106 000000

**17416/15605/13373 kHz, 24-11/25-11, 1100/1110/1120 UTC**

11166 50046 48791 23064 02109  
 30406 51171 28224 34085 77878 44391 71689 54737 16972 40369  
 76317 67760 95005 63778 62930 37205 34455 48708 39000 37138  
 33963 99298 60597 38201 06462 02742 68240 00596 81784 44949  
 54931 28284 50637 83960 08736 45167 40436 87484 50833 60142  
 89948 20010 17012 87942 41466 43045 64418 48843 53092 21819  
 37192 57953 99914 63953 72607 30067 30663 35911 94132 26652  
 59973 89671 39317 26794 05625 35486 60922 79327 48725 63750  
 84646 00688 64701 89230 63813 62383 24137 14006 61897 72290

54024 43282 53780 85862 46983 14348 62085 06807 25584 74065  
33657 30158 25370 04967 53958 67965 51590 11886 04837 78080  
77877 77724 51925 85332 43703 54480 36450 96510 59837 15823  
17234 76144 01294 71323 59705 74271 51436 28091 06963 39192  
17028 95626 41175 36984 73730 55052 58527 41756 67728 50162  
81883 02224 70685 21300 50123 08733 31503 07302 21164 34736  
05214 24762 48442 25171 38008 25808 37531 30100 57162 12896  
18457 11298 46670 36336 94416 76322 08751 53348 74649 35306  
00245 40727 69936 38302 46062 44940 06696 95218 73504 19694  
30221 55440 74342 44171 78182 00593 81976 01707 19248 90268  
19116 00839 11332 00869 82941 79755 58233 83933 76059 60430  
10161 67493 02726 13334 11895 20443 11820 04477 23600 66820  
84109 81793 41588 53013 36045 25007 72671 96675 64208 00000

Link 60070

**8049/6776/5823 kHz, 13-11, 0030/0040/0050 UTC**

11166 60070 13579 12074 03519  
98933 51279 80931 79870 25239 92267 05142 86988 71317 19980  
65889 62081 11047 09837 21104 88380 90189 11948 57658 68251  
96406 12490 37537 97021 19201 65989 20782 81827 09126 24037  
47015 75309 42645 01428 27185 84118 75812 61132 94245 26445  
59306 13202 78138 07404 91901 03656 21682 98327 47761 95808  
30421 17885 09002 02765 82484 34161 71538 25775 96478 17477  
42739 20005 25430 68080 82171 37479 60404 06355 76468 54827  
71883 52880 82249 01338 57882 03587 70802 02856 97747 75855  
61720 94089 69882 49895 47526 54877 33208 13998 51831 39384  
07538 89333 84977 21523 90952 65193 71902 67735 77678 19527  
99521 53808 50580 26890 86003 38518 37059 07420 57338 73279  
47074 32177 74251 11422 31451 77753 43752 52983 25735 08519  
93931 78207 42339 39300 63719 33271 81091 03511 49949 36712  
54141 35703 27453 49362 26230 89097 08384 92756 61579 26330  
58950 28664 14050 04764 60757 30017 56594 73987 79685 71721  
54045 52239 70136 51636 45029 68061 03881 86014 30856 52339  
03255 08871 78900 35794 06943 74429 09688 30817 80380 68592  
14337 31933 07506 35465 10552 77434 04067 01887 47773 43778  
47166 42159 53919 37930 35340 65067 24989 48889 61159 16888  
29729 26579 28458 04224 18979 91847 33671 19835 14727 52501  
93254 09278 67051 82117 45491 07188 07359 44138 52947 98253  
95657 79321 06880 47795 67192 20896 31535 08763 03424 41081  
34824 81762 49615 12493 32337 08451 08680 39368 22198 67019  
51806 59016 57516 00901 80879 98084 08514 96064 27434 82321  
56842 13311 73092 47639 21822 50719 35866 95691 37438 58863  
84394 43856 30496 73740 95462 78349 59681 39676 61515 68367  
50306 78377 84335 97579 88924 64733 40168 51614 45091 46538  
54164 87250 39077 00609 33855 30282 57515 07437 30366 52093  
92733 50406 06231 91224 29117 57086 13987 41513 97546 14435  
59119 48792 54967 34170 92683 29487 59124 98315 58342 73285  
20253 03564 21789 65717 69890 72350 20749 60683 10703 70767  
41387 51806 50483 66833 61204 43229 95598 08167 73130 26847  
49709 03392 10206 73947 24697 32024 07308 88760 40966 29854  
71622 11660 71647 90681 85920 25922 45331 85540 59243 92200  
21318 78245 79232 69054 22039 00276 36121 74302 47056 74349  
00000

**8049/6776/5823 kHz, 20-11, 0030/0040/0050 UTC**

11166 60070 56248 20001 00049 00000 00000 00000 00000

**8049/6776/5823 kHz, 27-11, 0030/0040/0050 UTC**

11166 60070 78963 27001 00049 00000 00000 00000 00000

Link 70004

**20868/18259/16113 kHz, 10-11, 1000/1010/1020 UTC**

11166 70004 13579 10001 00049 00000 00000 00000 00000

**20868/18259/16113 kHz, 24-11, 1000/1010/1020 UTC**

11166 70004 85296 24001 00049 00000 00000 00000 00000

Link 70048

**19104/17428/15603 kHz, 07-11, 0800/0810/0820 UTC**

11166 70048 36925 07055 00049 00000 00000 00000 00000

**19104/17428/15603 kHz, 14-11, 0800/0810/0820 UTC**

11166 70048 15987 14057 00049 00000 00000 00000 00000

**19104/17428/15603 kHz, 21-11, 0800/0810/0820 UTC**

11166 70048 28563 21053 00049 00000 00000 00000 00000

**19104/17428/15603 kHz, 28-11, 0800/0810/0820 UTC**

11166 70048 26497 28061 00049 00000 00000 00000 00000

Link 70059

**7656/6778/5361 kHz, 05-11, 0500/0510/0520 UTC**

11166 70059 97531 05020 00049 00000 00000 00000 00000

**7656/6778/5361 kHz, 19-11, 0500/0510/0520 UTC**

11166 70059 78963 19001 00049 00000 00000 00000 00000

Link 70147

**14988/13366/11404 kHz, 11-11, 0900/0910/0920 UTC**

11166 70147 15432 09093 01229

69609 68709 10375 71171 52347 79255 41283 05272 06608 59468

18291 49429 97906 89697 20083 79007 11591 32833 02061 34072

91649 87270 05812 55382 16117 98102 47799 13641 40849 79785

07883 83226 00831 89165 75006 42597 04653 76648 10181 47960

66684 42944 66462 83452 06175 41924 91484 70559 39919 73647

53397 95695 96869 21103 70858 27059 55711 45548 75111 15031

10725 38667 51366 88647 29888 04122 49283 44737 02346 17539

34638 77619 69714 43404 80779 45258 16098 82220 01169 46132

43183 52100 69289 00007 98007 78460 94426 22321 82747 40692

13330 18169 78692 25859 52226 18322 52003 54442 84938 02495

39970 56310 63995 39132 97728 78625 50236 47890 51636 12877

41521 89957 26779 67747 45706 35172 90867 99400 01210 30174

93120 00000

Link 80214

**11162/9915/8187 kHz, 01-11, 1330/1340/1350 UTC**

11166 80214 58236 01074 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 08-11, 1330/1340/1350 UTC**

11166 80214 82465 08061 00049 00000 00000 00000 00000

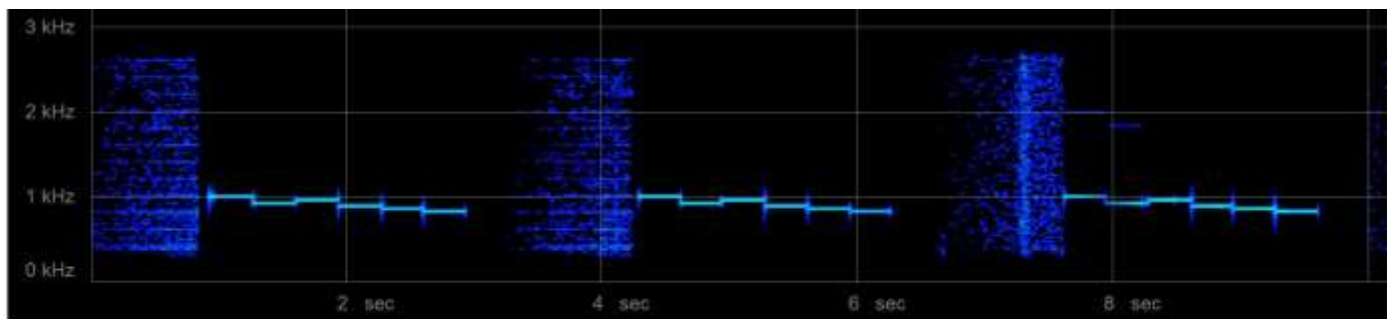
**11162/9915/8187 kHz, 15-11, 1330/1340/1350 UTC**

11166 80214 85214 15001 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 22-11, 1330/1340/1350 UTC**  
11166 80214 82465 22059 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 29-11, 1330/1340/1350 UTC**  
11166 80214 15386 29063 00049 00000 00000 00000 00000

X06 - Mazielka



Sequence 645321

14861 kHz, 27-11, 0819 kHz. Sequence: 542136  
6877 kHz, 29-11, 1910 kHz, i.p. Sequence: 645321 Ended at 1920 UTC

## XPA

**13978/14859/15871 kHz, 06-11/08-11, 0810/0830/0850 UTC**  
587 587 587 1 587 587 587 1 587 587 587 1  
08004 00111 10095 38746 31842 18624 65910 91379 47440 48519  
63017 75543 75565 28473 67093 43421 26871 51485 05550 82356  
41985 94572 84584 78272 66291 64887 16716 80117 49532 22605  
64075 88269 65381 09555 33548 40101 44397 79192 64551 57105  
38086 22415 96614 61593 21311 34566 17281 23826 69965 31444  
87008 28620 92001 23243 12251 46592 81772 11592 97744 89018  
76488 21560 37793 73924 88710 88188 47393 82899 75352 86306  
20152 16020 86077 29644 52802 90976 37872 60837 27844 67025  
75898 15945 37136 75817 43280 45761 29729 41296 97176 87737  
55214 60301 49594 34014 71159 53515 11573 19013 75475 44181  
59765 85414 32558 06840 71967 33621 47808 09488 92540 72450  
13250 63901 73018 07062

**13978/14859/15871 kHz, 13-11, 0810/0830/0850 UTC**  
587 587 587 000  
07545 00001 00000 36263

**13978/14859/15871 kHz, 15-11, 0810/0830/0850 UTC**  
587 587 587 000  
06385 00001 00000 35266

**13978/14859/15871 kHz, 20-11/22-11, 0810/0830/0850 UTC**  
587 587 587 1 587 587 587 1 587 587 587 1  
00571 00135 50615 99292 46128 52229 60474 18712 79507 92863  
30462 83095 96479 26257 91576 71294 08192 76741 74422 40323  
64439 62531 98250 90720 91804 97140 76195 07668 16169 42950  
35080 98473 37603 93794 01212 02217 21912 92440 88251 09614  
42968 43276 97662 32480 04501 77730 62373 56728 65427 54938  
31153 33608 82068 03581 32366 68133 22755 48638 49343 21934  
42907 19385 01942 03538 45087 16852 52292 63307 38405 18033  
57287 36583 47236 67724 56829 70979 09591 76020 11058 07944  
83294 48316 42969 81645 45353 63398 90484 67533 24135 98978



71763 40652 09226 41755 92447 12035 62277 66718 87684 80184  
24751 79266 89639 33709 93868 68887 32953 03130 58757 85100  
77183 35760 77974 89243 91485 04066 88418 56340 70468 98587  
45773 89446 59989 72927 25683 31732 97658 72116 49418 36005  
52226 20043 42688 96808 77276 58210 90427 45173

**13978/14859/15871 kHz, 27-11, 0810/0830/0850 UTC**

587 587 587 000

03589 00001 00000 40263

**13978/14859/15871 kHz, 29-11, 0810/0830/0850 UTC**

587 587 587 000

03480 00001 00000 33263

## **XPA2**

**17462/16114/14828 kHz, 02-11/03-11, 1400/1420/1440 UTC**

00395 00099 12003 65902 77912 54199 84751 86564 51090 19667  
66147 39594 83222 91565 34552 94586 34757 88207 15652 70211  
71847 98703 89586 40888 06919 43940 63464 52942 39621 07207  
27323 87207 44936 45670 47929 05443 31044 93124 73186 39916  
72953 57843 04880 59754 21812 53327 11990 38776 02605 06405  
96695 17045 86438 61660 69699 69927 52321 85713 04752 92708  
20918 73585 68957 67482 24715 83704 34602 90647 78699 21920  
39241 86370 84854 95271 06577 58483 12225 11980 64734 10778  
49551 89949 71653 68598 48812 20663 20230 77257 29710 94549  
10212 65372 51270 74974 47390 26544 15872 00368 65499 34623  
53018 07030

**15985/14885/13885 kHz, 03-11, 0910/0930/0950 UTC**

02867 00001 00000 40660

**18238/16238/14438 kHz, 04-11/06-11, 1300/1320/1340 UTC**

00618 00079 52904 63749 32743 23610 79663 93844 36797 16228  
06389 61054 79218 03913 39133 07645 82014 54660 95394 36487  
97632 41630 36372 10342 76234 53648 85139 54714 15883 11817  
42289 70571 30302 68674 11112 55133 58873 41146 49057 19395  
75608 46448 02173 00055 40256 29401 99950 05554 72547 06488  
70688 42671 78567 29023 50429 86049 78390 31047 53083 08826  
23088 74561 11044 34494 79942 51007 33525 76066 73041 25216  
19238 25831 37662 36106 52635 26831 32051 12639 80251 52834  
71115 05134

**13427/14627/15827 kHz, 05-11/07-11, 0800/0820/0840 UTC**

03352 00167 97942 27307 55648 46876 30890 42906 96242 18633  
50290 30993 55004 87254 31794 47849 24742 16501 93280 96611  
58977 96744 48302 30399 06214 16008 08321 20367 14066 96423  
58501 68893 94695 38556 35658 35135 40033 53901 23673 88121  
42850 33147 89701 61816 55486 22061 14321 77974 18572 69088  
57993 85897 64929 70906 02439 56913 46328 77014 51634 12064  
71278 54742 06709 99686 16706 55978 84663 08087 88813 25705  
61504 02938 78727 03350 02477 32201 80136 62729 63360 58135  
16959 61688 14740 66408 87594 70487 67246 11690 35068 51152  
64982 36189 24765 93846 32332 57807 32352 88043 20127 40385  
98480 07895 02725 06472 65571 38061 14689 90009 28244 73666  
78960 02939 52626 82837 72549 74219 75647 79820 99678 64020  
08187 68045 63622 71312 56668 26170 22779 15336 01505 18458  
63132 80637 64509 75389 58240 28771 45007 79350 97325 87504  
04895 67868 89917 87890 71626 54066 75823 75746 91563 76401  
19202 83587 33324 19727 17020 93009 78064 80561 82295 59287

44201 98004 14692 33105 16975 65324 40713 10349 65130 75003

**17413/15852/13363 kHz, 07-11, 0910/0930/0950 UTC**

00422 00091 12211 78200 03999 18733 04713 16786 79511 21932  
82030 90415 58613 81830 73655 36942 96165 66966 78172 72848  
22549 05558 69294 86044 60699 58338 17109 73352 57092 00471  
82052 44935 81564 77068 34582 59906 87236 03305 89327 07773  
00061 25893 66582 55002 28488 02446 76891 93303 18137 12850  
32089 08428 50135 07331621380 01794 27374 68208 09988 31131  
58360 72078 89667 19395 74496 00539 85891 03103 28395 47002  
80066 80457 85284 52068 86764 83412 46728 72197 59125 18153  
20597 80918 13054 41699 31923 81503 47056 07314 93556 45489  
56163 67357 83015 16744

**15985/14885/13885 kHz, 08-11/10-11, 0910/0930/0950 UTC**

00617 00081 43171 70589 31195 47581 23151 29723 45660 95042  
59129 53045 06049 42540 81374 63356 70644 10344 71626 27272  
49725 15769 76501 75925 20106 61691 77886 21358 17203 57506  
16750 22370 73258 51711 31934 61476 12964 09824 34483 80269  
87953 05144 50711 24598 49243 76661 38322 35829 61518 60377  
94162 04824 26739 11943 18814 92136 22884 36635 33787 55266  
11579 70429 46067 67975 28875 16376 12706 79538 83380 14298  
57514 71836 64429 04537 63710 04685 90189 01383 93094 56280  
22413 23701 27398 31173

**17462/16114/14828 kHz, 09-11, 1400/1420/1440 UTC**

03798 00001 00000 40664

**17462/16114/14828 kHz, 10-11, 1400/1420/1440 UTC**

07817 00001 00000 40660

**18238/16238/14438 kHz, 11-11, 1300/1320/1340 UTC**

03784 00001 00000 36663

**13427/14627/15827 kHz, 12-11, 0800/0820/0840 UTC**

05460 00001 00000 33263

**17413/15852/13363 kHz, 12-11, 0910/0930/0950 UTC**

01858 00001 00000 41256

**18238/16238/14438 kHz, 13-11, 1300/1320/1340 UTC**

08898 00001 00000 41271

**13427/14627/15827 kHz, 14-11, 0800/0820/0840 UTC**

05739 00001 00000 41260

**17413/15852/13363 kHz, 14-11, 0910/0930/0950 UTC**

06552 00001 00000 34663

**15985/14885/13885 kHz, 15-11, 0910/0930/0950 UTC**

05167 00001 00000 35263

**17462/16114/14828 kHz, 16-11/17-11, 1400/1420/1440 UTC**

00312 00125 95863 61386 04672 59259 21385 00690 32551 19062  
02211 66010 74361 41863 58631 25917 65497 23479 34954 02412  
27824 83585 10094 73463 83134 25366 81559 64449 97483 80517  
40387 23632 24286 45554 63324 48406 65254 90966 91639 57679  
24971 66400 26166 72667 48881 09055 70641 38574 61354 06807  
36837 89241 80567 97976 11043 05269 90181 68217 09160 53851  
26874 50856 37933 56949 71351 05713 39800 99441 05517 90519  
15840 06718 08730 61528 66048 96644 97309 79074 09951 41831

47047 66947 17868 33738 84149 94122 13071 54720 09200 72204  
46479 86649 73548 16035 33537 16389 42786 71767 66993 49210  
46028 26545 18167 22597 70432 08121 49287 17972 27765 52618  
46564 45356 91659 82601 80465 34913 63550 91853 79942 82144  
09670 06835 30593 66692 92141 33135 93779 34212

**15985/14885/13885 kHz, 17-11, 0910/0930/0950 UTC**

06672 00001 00000 36665

**18238/16238/14438 kHz, 18-11/20-11, 1300/1320/1340 UTC**

00154 00083 92885 10946 71344 12452 65964 62542 83332 04146  
94436 02594 38326 97908 89899 03152 16121 44020 53343 93043  
99346 32686 99770 29441 05302 55816 85135 48342 60988 52895  
09061 07139 35934 52220 55446 75957 90815 72890 14117 39503  
83042 59787 41618 80838 35685 67317 83926 83764 09090 44429  
61815 93821 28485 10656 68284 19951 48033 51285 58598 53857  
06660 20512 75693 34243 92680 92293 55537 80114 26934 07860  
51090 89733 19969 01218 00473 45934 55008 68249 14419 88677  
95868 59231 46852 68571 45211 51666

**13427/14627/15827 kHz, 19-11/21-11, 0800/0820/0840 UTC**

03050 00159 32340 61666 75583 79529 98230 42261 18056 34707  
83417 78795 53422 28270 04833 37175 83496 02276 13566 48289  
23244 10882 68931 76955 00248 80603 18815 19578 62194 48045  
59678 98965 15179 91737 79096 69983 70719 23560 07960 28786  
90280 79652 96658 63273 53580 53394 29013 76021 07203 68490  
69800 59441 58104 20197 63901 27248 48736 58999 71316 89867  
69232 96479 61729 06898 45929 93676 34988 82096 79025 71259  
82282 06734 15729 22917 59912 94877 77791 31826 85574 04250  
70114 57978 00608 73372 54953 79203 72778 10552 05795 90167  
86804 48758 78741 13211 90576 54841 70091 85939 32898 36811  
03555 57393 42809 35336 34845 95946 63831 34014 50879 03427  
26469 74258 34757 42411 79514 57506 72184 64802 92894 44407  
75163 52675 66147 69693 44457 79230 63527 21656 65600 97169  
03310 46931 12216 23193 92872 83465 62264 88963 74644 52771  
03273 90458 78386 23009 43278 45002 11529 04823 40063 98592  
49835 26152 89212 48683 27628 80324 55965 40329 76184 85099  
76106 61353

**17413/15852/13363 kHz, 19-11/21-11, 0910/0930/0950 UTC**

00299 00121 43056 10106 67037 81098 18230 17936 13646 29477  
63088 98204 92467 03740 69114 94057 05368 15161 63681 00019  
56151 56940 02475 54268 84829 54369 46314 79986 42012 57616  
36595 41016 60059 44115 26445 92496 00324 71556 54851 49931  
79470 38378 81620 97832 04154 60058 84772 54669 27280 97719  
05911 48742 93932 82675 81674 69055 80425 56224 92695 80986  
39373 78029 95423 73002 16088 40856 18690 94846 75882 46168  
76778 50941 10949 29211 94697 45993 08041 93656 48996 71481  
12265 29505 16078 36488 43273 07841 74346 35791 48101 61821  
32892 10305 22960 76145 26669 30767 42671 41365 70264 56709  
93912 87628 12059 52810 33512 82201 79874 77363 66785 88819  
12906 47319 81012 99648 47378 81903 40395 18751 68190 85025  
32949 29198 12333 22216

**15985/14885/13885 kHz, 22-11, 0910/0930/0950 UTC**

07827 00103 22055 30368 05864 34644 66360 51327 77011 83310  
04443 22068 63430 54778 30001 46887 57666 20118 15860 12205  
10603 15771 93787 38886 45500 54533 78682 49042 32192 56521  
84646 21108 61228 89313 33844 05310 06347 90324 30163 46908  
44258 48354 58454 60132 46788 36614 32581 92617 40651 52510  
74361 30004 10088 55333 87560 18888 77853 84338 61165 03820

72319 43008 55333 91120 10073 92313 13116 56678 07646 78083  
68004 61590 44511 60447 22256 86946 58777 90278 67790 72632  
00859 54824 55266 49998 13643 53947 34557 41223 86815 22668  
70012 78835 15479 62546 83471 33377 78230 63804 02207 54167  
62019 22822 85911 28866 34060 34031

**17462/16114/14828 kHz, 23-11, 1400/1420/1440 UTC**  
08079 00001 00000 35667

**17462/16114/14828 kHz, 24-11, 1400/1420/1440 UTC**  
03839 00001 00000 41656

**18238/16238/14438 kHz, 25-11, 1300/1320/1340 UTC**  
03251 00001 00000 32660

**13427/14627/15827 kHz, 26-11, 0800/0820/0840 UTC**  
07259 00001 00000 36664

**17413/15852/13363 kHz, 26-11, 0910/0930/0950 UTC**  
09592 00001 00000 34672

**18238/16238/14438 kHz, 27-11, 1300/1320/1340 UTC**  
03458 00001 00000 37260

**13427/14627/15827 kHz, 28-11, 0800/0820/0840 UTC**  
05805 00001 00000 37655

**17413/15852/13363 kHz, 28-11, 0910/0930/0950 UTC**  
09314 00001 00000 34662

**15985/14885/13885 kHz, 29-11, 0910/0930/0950 UTC**  
09040 00001 00000 31266

**17462/16114/14828 kHz, 30-11, 1400/1420/1440 UTC**  
01678 00001 00000 40261

## **F11**

**9370 kHz, 12-11, 0845/0850 UTC**  
0353 0353 0353 0353 0353  
88888 88888 39949 38497 80503 05276 47482 61683 54511 63381  
71247 67612 73339 75617 47462 82040 72970 75533 76673 02407  
79406 50584 94381 70897 61177 67695 34043 53983 44873 81319  
35211 57795 10511 63265 93446 71453 98249 47137 54447 35564  
97404 88888 88888  
00039 00039 (group count should be 43)

**9370 kHz, 14-11, 0845/0850 UTC**  
0353 0353 0353 0353 0353  
88888 88888 39949 38497 80503 05276 47482 61683 54511 63381  
71247 67612 73339 75617 47462 82040 72970 75533 76673 02407  
79406 50584 94381 70897 61177 67695 34043 53983 44873 81319  
35211 57795 10511 63265 93446 71453 98249 47137 54447 35564  
97404 88888 88888  
00043 00043(correct group count this time)

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## DIPLOMATIC STATIONS

### Czech diplomatic stations

14360 kHz, 22-11, 1305 UTC, Pactor-3

Czech Intelligence connecting with CONEASY

## UTILITY ROUND-UP

### North Korean Military

3714 kHz, 12-11, 1833 UTC, i.p.

VVV DE B1U B1U QSA 1 ? VVV DE B1U B1U QSA 1 ?

3607 kHz, 12-11, 1906 UTC, i.p. Chirpy/Drifting signal

VVV O5G DE CJ4 QSA? K

4125 kHz, 14-11, 1048 UTC, i.p.

VVV 8XB DE RGB QRU

19730 19730 SK SK

3765.5 kHz, 14-11, 1616 UTC, i.p.. Chirpy signal

1902 1902 SK SK

3563.7 kHz, 15-11, 1502 UTC, i.p..

4136 4136 4136 4136 ...

... DE ... 4130 4130 4130 4130

... 4136 4136 4136 4136 QSA ? K

... DE 4130 4130 4130 4130 QSA ? K

5DL DE 4130 4130 4130 QSA ? K

5DL DE 4130 4130 4130 QSA ? K

5DL DE 4130 4130 4130 QSA ? K

3565.3 kHz, 15-11, 1512 UTC, i.p.

DE 4117 4117 4117 QSA ?

De 4150 4150 4150 4150 QSA ? K

### JCS Foxtrot Messages & Emergency Action Messages

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

04-11	1608	Dependent	30 chr EAM for Lima Force 4UWKII DEXMERESNVF2MQIPAFK4SV3C
04-11	1623	Dependent	30 chr EAM for Lima Force 4U5O5L 3KQX76X2UMW5BN5VCR5GYBJI
04-11	2055	Dependent	30 chr EAM for Region Alpha, for Region Bravo, for Region Charlie 4U5QXV VIQWI36JZZNXHIQ6IINN3UOI
04-11	2220	Dependent	36 chr EAM 4U76TE UGA4XATCDKXOQWUFKFOEITZDYVX73S
04-11	2240	Dependent	30 chr EAM for Quince, for Eton Jacket 4UUL3U 53CNBGXZCVN56CA5ZPITZII5
04-11	2251	Dependent	30 chr EAM 4UMPT3 C6CH6IR2XWWFLK23T44J2GSG
04-11	2312	Dependent	30 chr EAM DPD2O7 L2BDRYDVO44IZSTY4C6NLGRT
04-11	2315	Dependent	30 chr EAM DPTXDW 54DDYSRIWUVRGO55N7O4BWAP
04-11	2324	Dependent	25 chr EAM 4UB3BD OLAF2M25SQSLSMUMPM
05-11	0343	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZHCVRH4
05-11	0459	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0529	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6

05-11	0533	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0541	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0545	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0600	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0603	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0631	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0635	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0642	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0645	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0700	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0704	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0731	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0734	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0800	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0804	Deer Run	43 chr EAM 4U74U7 XKA3UHUAJ5WGWU7LPT34ZWZNFWMPCZCHCRVH4
05-11	0830	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0900	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	0930	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1000	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1030	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1105	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1130	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1200	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1300	Deer Run	51 chr EAM 4UEJLS FIWXB4ENPP53BO7POEL7OYEXCAAFJ42W3PQXWTALF56V6
05-11	1337	Deer Run	30 chr EAM 4UH5IF D4B5WZBOPUKMQ77AHOEM4AMQ
05-11	1443	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1500	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1530	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1600	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1630	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1702	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1707	Deer Run	37 chr EAM 4U6P2J F4VGLIB3UPACWPAYS4DVB6THLAWURBG
05-11	1730	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1800	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1806	Deer Run	30 chr EAM for Bike Rider 4UJUVA VFYJB664G2CBB6VI4NJYD52G
05-11	1806	Deer Run	for Verdict, for Green Hornet 4U2J4S 4GWLLOHMKFWMRS6YYVPJ6XN2
05-11	1835	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1901	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	1917	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	1921	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	1930	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	1934	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	1938	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	2000	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	2004	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	2006	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	2030	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	2033	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	2036	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	2100	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	2103	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	2106	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	2130	Deer Run	36 chr EAM 4UTC55 CJ5CYFHGFUCYPQKZWJBL72F6UJD5O6
05-11	2133	Deer Run	52 chr EAM 4UUQQV 6ZPQ3GIAYXBYMUETEWZETULL4MA6OTEGID44MASE4ILYRT
05-11	2136	Deer Run	57 chr EAM 4UNNR2 6OPRF7VUP4B4HWNARHONAI4ONAIBADPMSRHBH4BODPMWHV6T2FP
05-11	2248	Deer Run	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
05-11	2331	Deer Run	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7

05-11	2359	Deer Run	WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB 142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0030	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0100	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0130	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0148	Spitball	Skyking message Rush Time 48 Auth EU
06-11	0200	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0230	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0301	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0324	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0332	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0400	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0403	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0405	Spitball	142 chr EAM 6UJS3A 4JHUHB4GLBUAS7Z3JZ7KXMMAMWMPASIDMSMSUUUZ4WHNS5SBSEVUH4YUYUHHH23QEBW7 WPW6TPH4SPSPDDDYHZK3FAFYFB5GILPGPGDDDDJE3HOSXSKSWZNV6KNKNCCCC7K2R3KABGB
06-11	0430	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0434	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0500	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0504	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0530	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0534	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0549	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0602	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0605	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	0630	Spitball	47 chr EAM 4UESZC F4GU27MNGIJO3MLUYKN47JQHGSTNCV47JEJLVZYTP
06-11	0633	Spitball	36 chr EAM 4ULND6 WQ5SE3FHQO37NEFE76BM3GEH3RNC4D
06-11	1356	Spitball	30 chr EAM 4UAP47 S4WEFQTMUSVR4YZKSW2IMIQL
06-11	1413	Spitball	36 chr EAM 4UVE4C XIVF466Q5IG2EJAJ332L7TK3Q23M6U
06-11	1500	Spitball	36 chr EAM 4UVE4C XIVF466Q5IG2EJAJ332L7TK3Q23M6U
06-11	1530	Spitball	36 chr EAM 4UVE4C XIVF466Q5IG2EJAJ332L7TK3Q23M6U
06-11	1715	Spitball	164 chr EAM 6USEJR WFH MJEPCK2WJWQU63UF7DFEQOLODPPP6Y3KSH5GB7T2FNIA6D4PPPOZ73TXBPK34LNOJO JJ44NSFSSZCYC4OSD3EQQYUKLLZQQPQXWEEAK52VJPLAL4GGYBQVB7YAGTFXBZ3GGRDIVVFL KNYVPSTE3DMF2EVD
06-11	1726	Spitball	50 chr EAM 6UVE6O GEVEYPE6JQIRUEHRBGFP5K4S22L3423OSXOVYS3JNXL7
06-11	1734	Spitball	50 chr EAM 6U2WYZ FQGBWZQIDD7X4DO5DSOZJJOVB2EQRGIQ3XNIMQTMXL
06-11	1738	Spitball	30 chr EAM 4U2C3S KNHRUARD4BKLPXFFCLYRUK
06-11	1741	Spitball	164 chr EAM 6USEJR WFH MJEPCK2WJWQU63UF7DFEQOLODPPP6Y3KSH5GB7T2FNIA6D4PPPOZ73TXBPK34LNOJO JJ44NSFSSZCYC4OSD3EQQYUKLLZQQPQXWEEAK52VJPLAL4GGYBQVB7YAGTFXBZ3GGRDIVVFL KNYVPSTE3DMF2EVD
06-11	1750	Spitball	50 chr EAM 6UWQ7Q MUWEMBZKLYLTS3BDR2VVRRR6UULAUSSSJQXE6JRFNAOS
06-11	1756	Spitball	50 chr EAM 6U45RL YTPDGT4RWCDFMDA5EVSJE5FXXEGM7XMKEY7OKVIPVK7
06-11	1803	Spitball	50 chr EAM 6U3KK3 AAIECCVHVUPZQTBDCFPV6YSCAAJYPMKAP5LRKPASGNNN
06-11	1807	Spitball	50 chr EAM 6U45RL YTPDGT4RWCDFMDA5EVSJE5FXXEGM7XMKEY7OKVIPVK7



06-11	1814	Spitball	50 chr EAM 6UWQ7Q MUWEMBZKLYLTS3BDR2VVRRR6UULAUSSSJQXE6JRFNAOS
06-11	1817	Spitball	50 chr EAM 6U2WYZ FQGBWZQIDD7X4DO5DSOZJJOVB2EQRGIQ3XNIMQTMXL
06-11	2131	Spitball	30 chr EAM DPQ6JA QXJFPYWFZEQP2GYATWQKD6MV
06-11	2135	Spitball	30 chr EAM DPKQQL RTOQJTCOZVYEA3Z2LWZ6TVU4
06-11	2137	Spitball	30 chr EAM DPVV3C MEXMBDRHUWVTV4KGTNOI2V6C
07-11	1806	Crossfire	116 chr EAM 6UXXAR DJD7RUGQB7CBUUWHUJ7CVP6KKUW375DT7HR74WDCCGAHCR44R4ZJJJXBDNUUCU37RNII SI5BBBB4IRQT44VII5Q622NIHOOOOE6UDUC6OO
08-11	0004	Listerine	30 chr EAM MFABZ7 7N4Q4TCB6B32JAHF6CIZOT6C
08-11	0012	Listerine	30 chr EAM MFRS4L 2K4OSWOE64R4T6G27IN6VYOA
08-11	0029	Listerine	30 chr EAM MFR5UT YKMZ3RLY24IZYKA3CQELJATY
08-11	0033	Listerine	30 chr EAM MFTIPW QZUGHTIVS4GMDY4VCSEWHA3V
08-11	0116	Listerine	30 chr EAM 4UU6CR SP2U4HJOBDSGSEFZOOM2LCVM
08-11	0124	Listerine	30 chr EAM 4UCWFT VLXZPMFG3H73S6TORDLJZFVT
08-11	0135	Listerine	30 chr EAM MFDKQH NCPXS7ULDZ7IQ2CUM6AXS6NW
08-11	0802	Listerine	30 chr EAM MFGRD4 OH6WYVHIL3V3VSK6TQWCQK34
08-11	0807	Listerine	30 chr EAM MFFGU5 GLYYUK6LOUT437FM5FPNRD2C
08-11	0811	Listerine	30 chr EAM MFNII7 FNHRXRUPOOAEQZDAKXE3NPDJ
08-11	0814	Listerine	30 chr EAM MFGSXE TCE4QYXOBGLNXPQALPKDILZ
08-11	1305	Listerine	30 chr EAM for Droid-32 Boyer-43 4UXY37 WTZGSPCRQDMCKP6Z4NDFHKGR
08-11	1341	Listerine	30 chr EAM 4U24RL Z6LC4VCBBOBGGVY4ZHKG64H
08-11	1404	Listerine	36 chr EAM 4UJPCC YGJUL44CMGZF6CHLSZT7AZ63RXNEB2
08-11	1429	Listerine	36 chr EAM 4UJPCC YGJUL44CMGZF6CHLSZT7AZ63RXNEB2
08-11	1500	Listerine	36 chr EAM 4UJPCC YGJUL44CMGZF6CHLSZT7AZ63RXNEB2
08-11	1506	Listerine	30 chr EAM 4UCR72 PV6N5C7CKLG7YWUPXZ222GFU
08-11	1522	Listerine	30 chr EAM MFUECF 4RFAO7O2CW6KCD2WLET42OE3
09-11	0051	Lame Duck	Skyking message: Rush Time 51 Auth FW
09-11	0128	Lame Duck	Skyking message: Rush Time 28 Auth QE
09-11	0329	Lame Duck	Skyking message: Poison Time 29 Auth QL
09-11	0630	Lame Duck	30 chr EAM MF3NLQ FYES2PQT4XV5SW3DBOBLWAZQ
09-11	0648	Lame Duck	30 chr EAM MF5OEU FYXZCMXBD5DA2CVZMVUXLD3D
09-11	0711	Lame Duck	30 chr EAM MFKKMP C6X2TTDAWYPMIOIJKSMZRN
09-11	0714	Lame Duck	30 chr EAM MFKFS3 2YIXI4NATW34YHOUPA3RLV5B
09-11	0716	Lame Duck	30 chr EAM MFOTKH IZ56GRWQCBXBRGZMGND2CMZ
09-11	0721	Lame Duck	30 chr EAM MFZJ7R U6KO3NSYIE6KWPJIF5PNUJSI
10-11	0136	Addleplate	30 chr EAM 4UYWLU 6KGQNIQWX3EC5RZS6KZLJMG4
10-11	0147	Addleplate	30 chr EAM MF5DG2 RWGTHR3SSJ6AUATNVFUZPBQY
10-11	0646	Addleplate	30 chr EAM MFLJR5 WJP7NNNZ7AXRAAVKBUXUD5HS
10-11	0700	Addleplate	30 chr EAM MFLJR5 WJP7NNNZ7AXRAAVKBUXUD5HS
10-11	0722	Addleplate	30 chr EAM MFDHDP XDNSWAJ2V6ZBJN53GB5TAXCW
10-11	0730	Addleplate	30 chr EAM MFDHDP XDNSWAJ2V6ZBJN53GB5TAXCW
10-11	0732	Addleplate	30 chr EAM MFLJR5 WJP7NNNZ7AXRAAVKBUXUD5HS
10-11	0738	Addleplate	30 chr EAM MFLVN7 KLJ3LOOWBMVNC7QOKDZ45GED
10-11	0740	Addleplate	30 chr EAM MFOXLA XKZBB7RLKTVSYWGQD4YU37HK
10-11	0743	Addleplate	30 chr EAM MF4LDD VOY57HP7EGQND3NEUQMUNEPF
10-11	0746	Addleplate	30 chr EAM MFLVN7 KLJ3LOOWBMVNC7QOKDZ45GED
10-11	0750	Addleplate	30 chr EAM MFO77V JD4XQTMV67CSMV3CWTBFT5A
10-11	0800	Addleplate	30 chr EAM MFO77V JD4XQTMV67CSMV3CWTBFT5A
10-11	1300	Addleplate	30 chr EAM MF5P6V K2XDI4GGKNZQXYBWS6ACXST
10-11	2327	Addleplate	30 chr EAM MFZDNP B3UBC3HP4ERS6A7HJOZBORSL
10-11	2331	Addleplate	30 chr EAM MF73LQ AOA7OZNWLJIZ5FI3GB2Y5WQR
10-11	2335	Addleplate	30 chr EAM MFKZOI 7677L7BJB6TB32VZ2H4IWJS5
10-11	2351	Addleplate	30 chr EAM MFX74C 2KSKVI33ATMKE5XGGR6SZGTY
10-11	2354	Addleplate	30 chr EAM MFDVIC 3WMQBYDLVGLCRGOGXGGM3EN
11-11	0000	Dairy Maid	30 chr EAM MFDVIC 3WMQBYDLVGLCRGOGXGGM3EN
11-11	0002	Dairy Maid	30 chr EAM MFX74C 2KSKVI33ATMKE5XGGR6SZGTY
11-11	0004	Dairy Maid	30 chr EAM MFKZOI 7677L7BJB6TB32VZ2H4IWJS5
11-11	0030	Dairy Maid	30 chr EAM MFDVIC 3WMQBYDLVGLCRGOGXGGM3EN
11-11	0032	Dairy Maid	30 chr EAM MFX74C 2KSKVI33ATMKE5XGGR6SZGTY
11-11	0034	Dairy Maid	30 chr EAM MFKZOI 7677L7BJB6TB32VZ2H4IWJS5



11-11	0704	Dairy Maid	30 chr EAM MF45QV SYSTN6FJJFO4ORJ2DAIWA7PT
11-11	0712	Dairy Maid	30 chr EAM MFSFXS CSO7IKFKO6V5KRCELHH2JTX4
11-11	1522	Dairy Maid	30 chr EAM MFPVDI QJOBJFDDH3K6V3QB13RV3TWD
11-11	1525	Dairy Maid	30 chr EAM MFRCP4 H666HULIZ2HDBZ7KLJTXUQ2W
11-11	2326	Dairy Maid	30 chr EAM MFHO7Q 5SYPOB4CE6Y6XLPABASE36B
11-11	2332	Dairy Maid	30 chr EAM MFBCBD NCAPYD4GYJSMGRSPFXHLR2AX
11-11	2357	Dairy Maid	30 chr EAM MFIP3Y S7OKOKKRXFJKJFAKRY42B6SN
11-11	2359	Dairy Maid	30 chr EAM MFHO7Q 5SYPOB4CE6Y6XLPABASE36B
12-11	0008	Fire Ship	30 chr EAM MFLIJQ 44RHKDIY37HHT5X5WZMUTFAR
12-11	0011	Fire Ship	30 chr EAM MFB5LF LF67I3KLLOGSQ5UGF635FXWG
12-11	0025	Fire Ship	30 chr EAM MFPJFF 7L5JAGZ3AGDVSMBEMMTLYFEB
12-11	0028	Fire Ship	30 chr EAM MFH5BO YXTLGS6DE7OUSYXZCQ7MTWLN
12-11	0031	Fire Ship	30 chr EAM MFH5BO YXTLGS6DE7OUSYXZCQ7MTWLN
12-11	0033	Fire Ship	30 chr EAM MFPJFF 7L5JAGZ3AGDVSMBEMMTLYFEB
12-11	0036	Fire Ship	30 chr EAM MFB5LF LF67I3KLLOGSQ5UGF635FXWG
12-11	0315	Fire Ship	Skyking message: Poison Time 15 Auth NY
12-11	0720	Fire Ship	30 chr EAM MFHNAF NXGOHR5BRJ4CGFHEJGEYCMUV
12-11	0729	Fire Ship	30 chr EAM MFHNAF NXGOHR5BRJ4CGFHEJGEYCMUV
12-11	0734	Fire Ship	30 chr EAM MFQEEX LMTIL4ZVGGKZQKTO4FHE4XZR
12-11	0737	Fire Ship	30 chr EAM MFGAO6 GIYM4J4CVDZHDZEIX6LRQNXK
12-11	0739	Fire Ship	30 chr EAM MF2VGH Y3ZQIX7R3VOX4CMPIWLHPXE3
12-11	2348	Fire Ship	30 chr EAM MFDL7T LGFSCSVLADDGUFM5RFO6F7BN
13-11	0051	Fast Aid??	30 chr EAM MFO3MN CGM2GUPFHHLA7QCQZGJWSFE
13-11	0102	Fast Aid??	30 chr EAM MF74BL AJB7ECYAICBAAVPEOU7WK2L6
13-11	0125	Fast Aid??	Skyking message: Rush Time 25 Auth CL
13-11	0232	Fast Aid??	30 chr EAM MFJCGN 3HBJGJDQSHISJH3JGBFTSXLB
13-11	0645	Fast Aid??	30 chr EAM MFEMUG IAPHL3GN43S2TN5SPKF2KUO
13-11	0650	Fast Aid??	30 chr EAM MFEMUG IAPHL3GN43S2TN5SPKF2KUO
13-11	1452	Fast Aid??	30 chr EAM MF2HSR WJG6WF4KGYTRTNV5VJ5SVFCH
13-11	1504	Fast Aid??	30 chr EAM MFCPLI CNRSIJ6M5ONETVRMCZSAKB5O
14-11	0053	Moustache	30 chr EAM MFIHD3 CCXCDT4EQ73AOLZ5Z7Y6DTWO
14-11	0135	Moustache	30 chr EAM 4UVKTL WTTDNOF36MNNMEZC5JUODNVV
14-11	0153	Moustache	30 chr EAM MF3MNH RFYNL6OJ3BXRPIKYEXIJC7B3
14-11	0158	Moustache	30 chr EAM MFJ37Z SIQ4HVGR6PZ4IMYSMWU2YJ4K
14-11	0205	Moustache	30 chr EAM MFBKL6 QVB4ABYFZU2FX5ZNZX5AJXYO
14-11	0218	Moustache	30 chr EAM MFCDE3 TVEGZHQDXB6AV36IDFCUXHOP
14-11	1751	Moustache	52 chr EAM 4USHDK DKY7Q7B53ZQNPIAFRWWAFFRN2AUKQ74COXWGAUPQGDNVE2J
14-11	1838	Moustache	30 chr EAM MFAEKC AF27NKKXPW2PF2VHPG2QUOA2
14-11	1940	Moustache	36 chr EAM 4UOEFP HF4KC=CEIMCKXSPESIH574HZDYRN
15-11	0752	Caroline	30 chr EAM MF4TPO F2QR6LHISBOJYLQPZHABEF5H
15-11	0930	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1000	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1030	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1100	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1130	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1145	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1200	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1205	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1230	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1235	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT

15-11	1254	Caroline	30 chr EAM MFGLS3 TZH4VBIGHODNFR4UR53DRKWZ
15-11	1300	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1304	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1310	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1332	Caroline	30 chr EAM MF3AKB 7WSZZDMTXHACKJJ5ETBA66SP
15-11	1335	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1341	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1400	Caroline	72 chr EAM XJP73U 4FCERGIFQKCLHRCXPWIMKDVBSCIZ4R7RXLHHHHX6C4ZGDCK7N2B3PQIJCZJSQZLWT
15-11	1405	Caroline	72 chr EAM XJLQ4P TUW362B3PMBIHSGLE5Y2UBXZA2A7QATZZSYSYHH2Y2YDYDOOOOUAWY6SJL6TGFQHC
15-11	1529	Caroline	30 chr EAM MFENXT 22EV5LCQNEMCIKHGURI2QYBA
15-11	1545	Caroline	30 chr EAM MFVHQL TDWHVCDNQ6ENRTCC3IWRSXQC
15-11	1558	Caroline	30 chr EAM MFF6ZY TWVAQ7YIEJZR3PE3ITGI46SZ
15-11	1838	Caroline	30 chr EAM for Liner-87 4UFYRP DQFB62O4ZDHUHKYTEK5ZRPZE
15-11	1846	Caroline	30 chr EAM for Liner-87 4UFYRP DQFB62O4ZDHUHKYTEK5ZRPZE
15-11	1907	Caroline	30 chr EAM MFVPYW IFWWWAI4CCXETKHUIWBCOXAT
15-11	1927	Caroline	30 chr EAM MFWBJ7 VYK3HXXAIIQQGNHDEKZPC42Q
15-11	2047	Caroline	30 chr EAM for Liner-85 4URYHF AYO5HSX5XZO4QXCMXGZXQE2C
15-11	2116	Caroline	30 chr EAM MF6BWP VUGRQ5OHP7ZFEY7TLUJHF6Z4
15-11	2233	Caroline	30 chr EAM Z6GRNI FUWEJMSC56RQL4PQ2FOTHWCN
15-11	2236	Caroline	30 chr EAM Z6WTXU POJSOVJSXCKHEDT7T6YVT3QF
16-11	0026	Cathedral	36 chr EAM 4UI5KX QPA6CFQYVJY3G236WTNFX536GT5WU
16-11	0030	Cathedral	30 chr EAM for Redbook 4U7BXQ XQM6CAR5MTLKRSYD6QBD2TJ5NB
16-11	0433	Cathedral	30 chr EAM Z66OX6 7QWKJ6LVCWJV64EBM33JURXI
16-11	1543	Cathedral	30 chr EAM Z6TQUI ICUMVW64YYIHRWQIHFC6BWDX
16-11	1600	Cathedral	30 chr EAM Z6TQUI ICUMVW64YYIHRWQIHFC6BWDX
16-11	2120	Cathedral	30 chr EAM Z6ERC3 WZ6DU2L6LZ7QER7LBYVOBE4H
17-11	0018	Appointee	Skyking message:The Who Time 18 Auth JO
17-11	0022	Appointee	36 chr EAM 4U2HCW EM3I5WNT5GSPNPTWZLX665UHDW3NCH
17-11	0032	Appointee	40 chr EAM 4UOVMT FJT2EKL25G7FJCQEWSC5ZQ62IUBL72NDU
17-11	0212	Appointee	30 chr EAM Z6HO7R GYIHGND6CTZXCLSYTAMYBGPI
17-11	0219	Appointee	30 chr EAM Z6OX4Y 47ZVPPX3YOZ6DANQWOMKOYZP
17-11	0222	Appointee	Skyking message: The Who Time 22 Auth WS
17-11	0230	Appointee	30 chr EAM Z62UG6 IDXFBW7CBL73ZNQ6HD6CSTJL
17-11	0234	Appointee	30 chr EAM 4UJCRX MXW37VAV2CRMVQNNGEE6VTN3
17-11	0243	Appointee	30 chr EAM Z6MLLN TAIKTOBD4EGZZPPI6LKZ5CEP
17-11	0247	Appointee	30 chr EAM Z6M26V PIDVKCI2AV64GHWEX7M367BR
17-11	0310	Appointee	30 chr EAM Z62Z23 GBRTUJTA7GW6WKIPGZN5YUWZ
17-11	0815	Appointee	30 chr EAM Z6QVFX CXSPDAI3X5REOY3IJ32XVGIIH
17-11	0823	Appointee	30 chr EAM Z6FDOT RX6PDZ2XJBK3DRQGO5FTRHPM
17-11	0835	Appointee	30 chr EAM Z6Q3PC PXKW2BJ3XLUCS6VS7NPRFQGC
17-11	0838	Appointee	30 chr EAM Z6QVFX CXSPDAI3X5REOY3IJ32XVGIIH
17-11	1632	Appointee	30 chr EAM Z6W3OK 3NKNBZHWQYUZ2X4MT6VPCLGX
17-11	1702	Appointee	30 chr EAM Z6VZBV FQTVQ7E63XXDIPFJPLJDA4TP
17-11	1712	Appointee	30 chr EAM Z6HTSQ HY7FVUE4VRSOULID7LH7YFXV
17-11	1716	Appointee	30 chr EAM Z6WAJ4 UB4Y2XTSOKG7X4WAEV5WO4UF
17-11	2122	Appointee	30 chr EAM Z6CW4V 7DW37KUDXCHLIW3I2PVHXKNG
18-11	0813	Dry Farm	30 chr EAM Z6KHHO RT7RXL53XT6JQVLOXRUO53A
18-11	0815	Dry Farm	30 chr EAM Z6OJAS FVG777C3XKPFKRKAJ3VIWP7J
18-11	0831	Dry Farm	30 chr EAM Z6OJAS FVG777C3XKPFKRKAJ3VIWP7J
18-11	0834	Dry Farm	30 chr EAM Z6KHHO RT7RXL53XT6JQVLOXRUO53A
18-11	1632	Dry Farm	30 chr EAM Z6RZ4J LS4UVKQPGESKP2GFFLGP4J7B
18-11	1635	Dry Farm	30 chr EAM Z6WZMX 7INDWXZVRZZ4PBMCCCT6N7YHF
18-11	1645	Dry Farm	30 chr EAM Z6HULG JOGHJKWDF76RGCLDEUO2QRIG

18-11	1649	Dry Farm	30 chr EAM Z6WDUA SOWQPU7ASJW3ZP47D7CYGSBU
18-11	1659	Dry Farm	30 chr EAM Z65UGS KPGAEZLZDUMG56MBVETCXYP
18-11	1702	Dry Farm	30 chr EAM Z63CSR M2GKXSZFKQE6LARFPFXLCMZ
18-11	1705	Dry Farm	30 chr EAM Z63CSR M2GKXSZFKQE6LARFPFXLCMZ
18-11	1707	Dry Farm	30 chr EAM Z65UGS KPGAEZLZDUMG56MBVETCXYP
18-11	1709	Dry Farm	30 chr EAM Z6WDUA SOWQPU7ASJW3ZP47D7CYGSBU
19-11	0233	Black Ant	30 chr EAM Z63YZT UUQFWS5ONW7ZARFTLABKTXZF
19-11	0240	T-bird??	30 chr EAM Z63YZT UUQFWS5ONW7ZARFTLABKTXZF
19-11	1550	Black Ant	41 chr EAM 4UQNQJ CTBBQGJUF2VGXW5R4SYK54FMKQNNQ4QZP3JT
19-11	1641	Black Ant	30 chr EAM Z66ZG4 7G2QRQK3SGH3LVBBBIKEGIU3
19-11	1643	Black Ant	30 chr EAM Z6OLYM 67NOW3VVSNGYSCD637E5THW2
19-11	1700	Black Ant	30 chr EAM Z66ZG4 7G2QRQK3SGH3LVBBBIKEGIU3
19-11	1824	Black Ant	30 chr EAM Z64YYF IQWXGV34DT4UXTYUE3I274ZF
19-11	2005	Black Ant	30 chr EAM Z6TCTY JJJYJNOGLAKIEDHZ3QP5SQ6Z
19-11	2013	Black Ant	30 chr EAM Z6VLAD NZJVOJWWZBH3AI365XBPWHG6
19-11	2032	Black Ant	30 chr EAM Z632VX G7X7ZRAIDZEDVUIPQBPN7GIX
19-11	2035	Black Ant	30 chr EAM Z6VLAD NZJVOJWWZBH3AI365XBPWHG6
19-11	2041	Black Ant	30 chr EAM Z632VX G7X7ZRAIDZEDVUIPQBPN7GIX
19-11	2043	Black Ant	30 chr EAM Z6VLAD NZJVOJWWZBH3AI365XBPWHG6
19-11	2046	Black Ant	30 chr EAM Z6TCTY JJJYJNOGLAKIEDHZ3QP5SQ6Z
19-11	2049	Black Ant	30 chr EAM Z6AS64 5IEYVF264C6ADZQW4MW2QCSE
19-11	2053	Black Ant	30 chr EAM Z63WXT N5PBPD63OQSG45D3PDFDPGY3
19-11	2056	Black Ant	30 chr EAM Z6VLAD NZJVOJWWZBH3AI365XBPWHG6
19-11	2059	Black Ant	30 chr EAM Z6MRT7 CAIVYDILJPQDX4EDXOHXQPIV
19-11	2102	Black Ant	30 chr EAM for Laddy-10 4UPM6V YBF7NJR7SQKH63S2ECRKBITB
19-11	2105	Black Ant	30 chr EAM Z6LDBE 3CXB2KSO7KH52DYVRF2EBDY
19-11	2108	Black Ant	30 chr EAM Z63WXT N5PBPD63OQSG45D3PDFDPGY3
19-11	2112	Black Ant	30 chr EAM Z6FG6D N26SXLBX4YNGXW6E2OOHGYA6
19-11	2114	Black Ant	30 chr EAM Z6NPTT VON2BBQPDTDI43JEW2KOVZL
19-11	2117	Black Ant	30 chr EAM Z6FG6D N26SXLBX4YNGXW6E2OOHGYA6
19-11	2119	Black Ant	30 chr EAM Z6PMYU PHNO3RSYFDLPMB77NMWZPADR
19-11	2122	Black Ant	30 chr EAM Z6YBGD FJBE3QJ3KB4NGK6YW3KZ7CVE
19-11	2135	Black Ant	30 chr EAM Z6EAJD 5K7YGZKCK2QPCB2EZ45P7ZJY
20-11	0054	Nose Cone	30 chr EAM Z6HD3X R676LKMUK6CGHF3ZOIGSHNDJ
20-11	0144	Nose Cone	30 chr EAM Z6ZI2V 6YLOEDBIROKZ2YBVRSAYWJ2X
20-11	0201	Nose Cone	36 chr EAM 4UKC5S TQWHA4AGT6HR5WW2N2NLHNGGY3RW24
20-11	0209	Nose Cone	Skyking message: The Who Time 09 Auth JA
20-11	0214	Nose Cone	30 chr EAM 4UDIZO KSPRFWNSDTRU5PGBSL3BPB42
20-11	0243	Nose Cone	41 chr EAM 4UCJ2I 4BRFHH3BZBQH5XGLMJLGLYJHJKFHFZ4VV5E
20-11	0357	Nose Cone	30 chr EAM Z6ND6W 6TAQ=F7EESA6RPGUSXR6YVZ
21-11	0059	Hand Ball	30 chr EAM 4UK5EI SBN24WA3DXXTY5MZUARULZUA
21-11	0115	Hand Ball	36 chr EAM 4UUUYK TZ6LORCBJHFN5BFYFPE4J3GU22JRYO
21-11	0133	Hand Ball	36 chr EAM 4U6IHM 7SCNWR72QCCAU6Z4QCANYHSLXUFPHO
21-11	0221	Hand Ball	30 chr EAM Z6XMP3 5NPBHL3FY4K4GIJSV4DFPN
21-11	0755	Hand Ball	30 chr EAM Z63TVU B7FIC3MN6G7H7L6MWQ6YHJGV
21-11	0800	Hand Ball	30 chr EAM Z63TVU B7FIC3MN6G7H7L6MWQ6YHJGV
21-11	0815	Hand Ball	30 chr EAM Z6UC3M NSPSAG6EEJ4H3NEKTZYLHZI7
21-11	0824	Hand Ball	30 chr EAM Z6374O 3XBQ7YXX6FZ2ETKGIZAHZEFG
21-11	0830	Hand Ball	30 chr EAM Z6B5EW NJY6SBUAGK6WPLLC6ZQZATUJ
21-11	0835	Hand Ball	30 chr EAM Z6PQYV 4OB6DNAJJWU7S2HTRHAPS7RI
21-11	0838	Hand Ball	30 chr EAM Z6B5EW NJY6SBUAGK6WPLLC6ZQZATUJ
21-11	0841	Hand Ball	30 chr EAM Z6374O 3XBQ7YXX6FZ2ETKGIZAHZEFG
21-11	0843	Hand Ball	30 chr EAM Z6374O 3XBQ7YXX6FZ2ETKGIZAHZEFG
21-11	0846	Hand Ball	30 chr EAM Z63TVU B7FIC3MN6G7H7L6MWQ6YHJGV
21-11	1416	Hand Ball	30 chr EAM Z6DDR3 E2ZT3HX62ZTNSYS2FJBCE3K
21-11	1543	Hand Ball	30 chr EAM Z6JSOW 2RH23F6FZZTHU5WCMEMCDE4N
21-11	1605	Hand Ball	30 chr EAM Z6XLHC N7XH2NIKFF6C5XBBZDJPXE24
21-11	1630	Hand Ball	30 chr EAM Z6BIYV SY6YWMHQ4DCZB3MIBUC7SJZO
21-11	1418	Hand Ball	30 chr EAM Z6XLHC N7XH2NIKFF6C5XBBZDJPXE24
21-11	1446	Hand Ball	30 chr EAM Z6XSR5 Z7PZUVLNLR7M7PLNLGNV7KZC

21-11	1700	Hand Ball	30 chr EAM Z6XLHC N7XH2NIKFF6C5XBBZDJPX24
21-11	1702	Hand Ball	30 chr EAM Z6BIYV SY6YWMHQ4DCZB3MIBUC7SJZO
21-11	1704	Hand Ball	30 chr EAM Z6XSR5 Z7PZUVLNL7M7PLNLGNVK7ZC
21-11	1709	Hand Ball	Disregard last transmission (= 1700, 1702, 1704z)
21-11	1709	Hand Ball	30 chr EAM Z6XLHC N7XH2NIKFF6C5XBBZDJPX24
21-11	1711	Hand Ball	30 chr EAM Z6BIYV SY6YWMHQ4DCZB3MIBUC7SJZO
21-11	1713	Hand Ball	30 chr EAM Z6XSR5 Z7PZUVLNL7M7PLNLGNVK7ZC
21-11	2048	Hand Ball	30 chr EAM Z6MD22 U4PWTII3CZTKMOL5DMPEWA2L
21-11	2232	Hand Ball	30 chr EAM Z6QQKN XLHFFDHUYBWK6ZMDHDAHFCOG
21-11	2236	Hand Ball	30 chr EAM Z6LRSK ESS763HRSYOU5W6BQ7U4L6VW
21-11	2255	Hand Ball	30 chr EAM Z6SSWB CF5Q5ARL7CGADJGQTCLRGE3B
21-11	2258	Hand Ball	30 chr EAM Z6G7QW VWNHOMQ7Y5F6CNG664DZGI2
22-11	0134	Tampa Tim	30 chr EAM 4UZHQD GRB3J3TFJAVAWBWJRMFBX75J
22-11	0200	Tampa Tim	52 chr EAM 4UFFZC GFTEJR4PLEKPD8MOR4UW2RW5DQRYMJC2NPIFHANDN34B6Z
22-11	0244	Tampa Tim	30 chr EAM 4U275B 6SG42SMDFO6YSUQKA72OEJIT
22-11	0255	Tampa Tim	30 chr EAM Z6YISN DR5B2WMQL4254SFXHNMPZEF3
23-11	1606	Overhang	30 chr EAM Z6FY36 4HH6CCZGBUI2K6U3EAJYCWIR
23-11	1615	Overhang	30 chr EAM Z62724 DLPOHVNUSZ7Y54P5YJPLNGRD
23-11	1620	Overhang	30 chr EAM Z664WI S3T4L2XBUEGCZBLQL26BOEVD
23-11	2241	Overhang	30 chr EAM Z66YJM 72BCXIPC73X7A6KKL43RSC2K
23-11	2244	Overhang	30 chr EAM Z63NPT MNHTDKFBSAIXPPYSZC6E3UGC
23-11	2258	Overhang	30 chr EAM Z6PJ7J APDYPXV4LRC7HN3AOPU6OJNR
23-11	2314	Overhang	30 chr EAM Z6QAJL ENDAGJOUDUUI4LWHGJRD=I
23-11	2317	Overhang	30 chr EAM Z6DBNP LNMXU4EZKWBZGRB3YFG5XW2V
24-11	0239	Bedsread	30 chr EAM Z6DIOR PTXYLTGVDJFGDA4BE7YUG5LN
24-11	0340	Andrews	Skyking message: Poison Time 40 Auth QV
24-11	0722	Bedsread	30 chr EAM Z6YX5A 3BLVWZ7TGASK4JLYLIUFQJIX
24-11	0724	Bedsread	30 chr EAM Z6OEG4 SAVN7R4N4QZJ6VN36M2WGOD7
24-11	0729	Bedsread	30 chr EAM Z6OEG4 SAVN7R4N4QZJ6VN36M2WGOD7
24-11	0731	Bedsread	30 chr EAM Z6YX5A 3BLVWZ7TGASK4JLYLIUFQJIX
24-11	2231	Bedsread	30 chr EAM Z6S2IO K2JQCZPXKA4IZSJ6BYNPXVZK
24-11	2234	Bedsread	30 chr EAM Z62ROP M7TACGPORTQYYP3UKPX7BPET
24-11	2237	Bedsread	30 chr EAM Z64LOI 4KRNSCE67CJJOWXAFVVOI3LN
24-11	2250	Bedsread	36 chr EAM 4UL273 WFYUJU24KUFXWMHX34OSMWEEK7HK6VV
24-11	2254	Bedsread	30 chr EAM Z6LUPK LBJVKOQS44NIZJ2VL4ZU7AVG
24-11	2256	Bedsread	30 chr EAM Z6AZ5O CEETKEWG7NYNVX5A7W4YSQLI
25-11	0235	Aid First	52 chr EAM 4ULWB7 HX2LPRNB7MUXBG6W6PGXRLKS3YVW36NAOFTGTKV2S7KB6
25-11	0310	Aid First	30 chr EAM Z6KUSK CITSFJGJDY7NSNFZIW4WJQL7
25-11	0344	Aid First	30 chr EAM Z6SKDN LN6VO7672AMOSNIWRTDTKEPX
25-11	0649	Aid First	30 chr EAM Z6YVDI 6XUJB3RMUEA3J5NKKVXWZHOU
25-11	0652	Aid First	30 chr EAM Z66LR4 WAE6EJIE6B374DMWVEVWY7DQ
25-11	0659	Aid First	30 chr EAM Z66LR4 WAE6EJIE6B374DMWVEVWY7DQ
25-11	0702	Aid First	30 chr EAM Z6YVDI 6XUJB3RMUEA3J5NKKVXWZHOU
25-11	0716	Aid First	30 chr EAM Z6XVVT WVCIXHUQJWNGCW2DEY3E5KBP
25-11	0728	Aid First	30 chr EAM Z65D6Y KEO4QWF6KALGSV5UAK2QJST5
25-11	0731	Aid First	30 chr EAM LZS7JG U3KXPNV7UOBZFMKBYSVLEZIJ
25-11	0736	Aid First	30 chr EAM LZS7JG U3KXPNV7UOBZFMKBYSVLEZIJ
25-11	0739	Aid First	30 chr EAM Z65D6Y KEO4QWF6KALGSV5UAK2QJST5
25-11	0741	Aid First	30 chr EAM Z6XVVT WVCIXHUQJWNGCW2DEY3E5KBP
25-11	0744	Aid First	30 chr EAM Z6Y47C LCFIDXWEIR5AQ6VC6O2A3GQR
25-11	0746	Aid First	30 chr EAM Z66LR4 WAE6EJIE6BW74DMWVEVWY7DQ
25-11	0749	Aid First	30 chr EAM Z6YYDI 6XUJB3RMUEA3J5NKKVXWZHOU
25-11	1129	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1132	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1200	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1230	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1233	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1300	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1330	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1408	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD



25-11	1430	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1500	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1538	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1600	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1630	Aid First	38 chr EAM XJZ4OX KA7QOAH2USGPQU7HBIV=XMMEKAWSRUD
25-11	1633	Aid First	30 chr EAM LZXQCZ QUR7DLDS3LPRQL7KO4BCIFOY
25-11	1736	Aid First	30 chr EAM LZ2VJ2 V6AXHK2XEKYQGP6QNJDVD54ZL
25-11	1946	Aid First	120 chr EAM XJH4ZF GJSLKPEDIQJPEGQA- GIEQ572IIPFUKUMMN4444ZW75G7QATTWN3RXRNDTTTT3VRUDYQQ5KGY2B2D3YOOOOUD UCPRNLVFI2UVK7NVJJJJELGVVAPCM
25-11	2152	Aid First	30 chr EAM LZQONN KDT26AAFGGYZCN5ZJPDHSCZ
25-11	2256	Aid First	30 chr EAM LZ4OM4 VLMMMPXGPD7O2JU5D3SCPLEKF
25-11	2344	Aid First	30 chr EAM LZVGQP FMCMHQQDBCDIGW5ZQNG4PRK
26-11	0107	Aspen Air	30 chr EAM LZTXDS NCNEGCLD3N2F5XDJRISUX4MD
26-11	0112	Freelance	30 chr EAM LZTXDS NCNEGCLD3N2F5XDJRISUX4MD
26-11	0210	Freelance	30 chr EAM LZTXDS NCNEGCLD3N2F5XDJRISUX4MD
26-11	0112	Freelance	30 chr EAM LZTXDS NCNEGCLD3N2F5XDJRISUX4MD
26-11	0604	Andrews	Skyking message: Poison Time 04 Auth KE
26-11	0728	Aspen Air	30 chr EAM LZAUTC BQA36QBLCHW63WVBNWZD3ILN
26-11	0744	Aspen Air	30 chr EAM LZD326 WXE7F7UISO4XYOU5QE452KLSD
26-11	0746	Aspen Air	30 chr EAM LZWFDZ GY7R4KPWB6Z2KBUQGUXZEUWT
26-11	0756	Aspen Air	30 chr EAM LZMXO2 LL2ZFOK6EQVURQUSNRBKQ7RE
26-11	0802	Aspen Air	30 chr EAM LZMXO2 LL2ZFOK6EQVURQUSNRBKQ7RE
26-11	0804	Aspen Air	30 chr EAM LZWFDZ GY7R4KPWB6Z2KBUQGUXZEUWT
26-11	0807	Aspen Air	30 chr EAM LZD326 WXE7F7UISO4XYOU5QE452KLSD
26-11	0809	Aspen Air	30 chr EAM LZAUTC BQA36QBLCHW63WVBNWZD3ILN
26-11	1516	Aspen Air	30 chr EAM LZ4L2M RQVJT2LZ6UHL35RFEY3Z2UNA
26-11	2112	Aspen Air	30 chr EAM for Ardeth-52 4UYMOP ZK4TEAYOWACAAFD6PC64IIPH
26-11	2140	Aspen Air	30 chr EAM LZIC3I BGZH3RLUXCNVG5O3FWZCT2OX
26-11	2301	Aspen Air	30 chr EAM LZ7JH2 K5JRU6VLKAM45Y3VODB532SD
26-11	2303	Aspen Air	30 chr EAM LZZW6A Q6DW36UDR2FXKHJ7OWCO463G
26-11	2305	Aspen Air	30 chr EAM LZHHSC GVNOUNF3OBNSUUSY564X6CSRA
26-11	2309	???	30 chr EAM LZIC3I BGZH3RLUXCNVG5F3FWZCNUOX
26-11	2320	Aspen Air	30 chr EAM LZPHGL TXFZ475AORSHCMIAF2TDAB6V
27-11	0052	Hillcrest	30 chr EAM LZUIQQ VGXYJBKYNCS3GT2YCTO7E6
27-11	0104	Hillcrest	30 chr EAM for Runs Scored 4UU2UG 7A4QW7NALX7ZEF7RBZHRTL7K
27-11	0207	Hillcrest	30 chr EAM LZ24NX WSKG7LYWSP7DDCRPPNB75OXY
27-11	0241	Fast Draw	30 chr EAM LZ24NX WSKG7LYWSP7DDCRPPNB75OXY
27-11	0259	Hillcrest	30 chr EAM 4USF4F IQUEZVL6NCO25OK2JLUIDJW3
27-11	0310	Fast Draw	30 chr EAM LZ24NX WSKG7LYWSP7DDCRPPNB75OXY
27-11	0311	Hillcrest	30 chr EAM LDZYCK BR2HJJXJUGCAOENN6HP72DGO interfering with running EAM LZ24NZ sent by Fast draw
27-11	0340	Fast Draw	30 chr EAM LZ24NX WSKG7LYWSP7DDCRPPNB75OXY
27-11	0510	Andrews	Skyking message: Queen Time 10 Auth UF
27-11	0733	Hillcrest	30 chr EAM 4UZ3UU 47Y7KDTBKHS44JY3WTCYH23
27-11	1614	Hillcrest	30 chr EAM 4UJK5Q JECDAV75NKK3XUWGEVZM637L
27-11	1624	Hillcrest	30 chr EAM LZETWT NOE2EFC3HYJYGVQ3LKJYFPNK
27-11	1636	Hillcrest	30 chr EAM 4UGEY7 7ZVITGICF5KPLMA6OD6QEP3T
27-11	1647	Hillcrest	36 chr EAM 4UKRF3 EA45S4HS6LGSJV46QLG2M53S6Z5FVU
27-11	1655	Hillcrest	30 chr EAM 4UDP6W UQR7ZFGYCHKJSO6VKLOTOHCS
27-11	1708	Hillcrest	30 chr EAM LZZKLW KOX4SOZW5JZWV3UPZBOEJQA
27-11	1711	Hillcrest	30 chr EAM LZYDCW D4TVQWSGVQET6XQ7U4PVRGLX
27-11	1820	Hillcrest	30 chr EAM for Rockfort 4UT5DB BJWMJMJWBYHUOIZZKJ67KZZ5
27-11	1836	Hillcrest	30 chr EAM for Rockfort 4U7WOP 3JFO22JVETWNOPAX7MQ3JHAK
27-11	1842	Hillcrest	30 chr EAM for Rockfort 4U7WOP 3JFO22JVETWNOPAX7MQ3JHAK
27-11	2203	Hillcrest	47 chr EAM 4UPAPN YMYEPYATHQPTN2566UACTRGFLRGR6AFTRB367YTFV
28-11	0627	Windmill	30 chr EAM LZYC2J 74UJLDWATCITW2Z6XLDESJ3K
28-11	0635	Windmill	30 chr EAM LZKGHI AGJN5TKF4WOZHGO5FEAX6PZC
28-11	0646	Windmill	30 chr EAM LZQNK4 W4LUUCAZBAIWE3W5UNIBDZP
28-11	0806	Windmill	30 chr EAM LZVCDH 77Z3XXFLRGVZFSTTVKLTZD5O

28-11	0811	Windmill	30 chr EAM LZEF7 2M7O2XYLJQDL0A4G7O2VDMCE
28-11	0814	Windmill	30 chr EAM LZOFRT 4GTYS2EQPFVAH3LJKW4BSQLW
28-11	0820	Windmill	30 chr EAM LZ5Y6P 4WP7OLLNV4DXSGXY4MG3WYJ6
30-11	0723	Stingray	30 chr EAM LZTPDM 6W4IZSI6AECJO5T2NCZRLP3J
30-11	0725	Stingray	30 chr EAM LZDPG7 P6VPCYVNTLCQU3YBZRGE7ZI3
30-11	0729	Stingray	30 chr EAM LZDPG7 P6VPCYVNTLCQU3YBZRGE7ZI3
30-11	0732	Stingray	30 chr EAM LZTPDM 6W4IZSI6AECJO5T2NCZRLP3J
30-11	1515	Stingray	30 chr EAM LZ6OGN MHGQ3NM3BSNK72AG4ROTDNC3
30-11	1608	Stingray	30 chr EAM LZMDOV RCF3LAQBK6YWADUM7JBVTIWR
30-11	2149	Stingray	188 chr EAM XJUMH6 UYQ3XBA42A7G6STE4THG4SFJPUDFSEGOVZDXSCFPRLSP37777GJYDP4JGKGJPPUEBEB3333 DSJYTKXGJZGZ2LUYLN44JEVABYUSLPQUB7GATZISJUUADLREEREXUUUWDDZZSLXLJHFY22X2W OOOOUAZG3UULCC2F7WW6OADDDDAL6THTLNC
30-11	2249	Stingray	30 chr EAM LZ4YRF WQ2YHOLRA373B7EMH7E3J7OZ
30-11	2256	Stingray	30 chr EAM LZFWGN ESEX7YHVCBIBNZLJ6GVW6KQ

## Timon-32

### 11175 kHz, 06-11

0812 UTC Timon-32 clg any radio for radio check  
0813 UTC Spitball, radio check with Timon-32  
1003 UTC Skybird, this is Timon-32. Break. Harvard. Time 1003z. I am 40 NM in international airspace  
1005 UTC Skybird, this is Timon-32. Break. Brother. Time 1005z. Over  
1006 UTC Skybird, this is Timon-32. Break. Harvard. Time 1006z. I am 40 NM in international airspace  
1007 UTC Skybird, this is Timon-32. Break. Brother. Time 1007z. Over

### 11175 kHz, 08-11, 0807 UTC

Skybird, this is Timon-32. Harvard. Zulu time 0807. I am ?? NM ??  
(Interfering with an EAM, so very difficult to hear)

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, F5JBR, Tony, WP3, Ary, AnEur.

Tony sends us a note to tell that he has completed a blog on one of the recent Russian Air Force LRA missions. Not only did the USB frequency have its usual elements, it also had a "guest" and the Mazielka is playing a part. Be sure to read it:

<https://planesandstuff.wordpress.com/2018/11/13/the-bear-net-pirate/>

## M32 - Russian / CIS Military CW Stations

3178 kHz, 08-11, 1426 UTC	XXX WEGI 80660 OBRAZNOSTX 6940 6055 OSELOLUÖ 7964 9580 K
3164 kHz, 09-11, 1352 UTC	XXX VUOZ 23175 SINHROTRON 8179 6586 K
2600 kHz, 09-11, 1603 UTC	XXX RMU51 51325 ALLOMORF 4341 0462 K
6342 kHz, 15-11, 1336 UTC	U U U U XXX XXX WEGI WEGI 51433 00691 KRENOMEËN 8722 2112
6342 kHz, 15-11, 1349 UTC	XXX XXX M7A2 M7A2 37439 84259 WERBNYJ 5495 4060
10933 kHz, 19-11, 0926 UTC	RGT77: XXX XXX WEGI WEGI 85222 FARTORAV 8069 9502 //12707 kHz
11468 kHz, 19-11, 0936 UTC	RDL: U U U XXX XXX WEGI WEGI 49443 85222 FARTORAV 8069 9502
11468 kHz, 19-11, 0946 UTC	RDL: XXX XXX M7A2 M7A2 42545 78757 REZOTRUeK 2878 5008
7678 kHz, 22-11, 1242 UTC	XXX XXX MFT5 MFT5 18471 RAZMINKA 4628 4979 K
7678 kHz, 23-11, 0910 UTC	XXX XXX MFT5 MFT5 51464 PREDLINNYJ 7549 4637 K
8527 kHz, 19-11, 1926 UTC	XXX XXX WEGI WEGI 85222 FARTORAV 8069 9502 K //7679, 7789, 10377, 10553, 10933 kHz
9044 kHz, 19-11, 0935 UTC	XXX XXX WEGI WEGI 49443 85222 FARTORAV 8069 9502 K
8527 kHz, 16-11, 0900 UTC	XXX XXX N1DX N1DX 21190 OTWRAQENXE 5271 8960 K
8527 kHz, 15-11, 1327 UTC	XXX XXX WEGI WEGI 00691 KRENOMËN 8722 2112 K
9044 kHz, 15-11, 1335 UTC	XXX XXX WEGI WEGI 51433 00691 KRENOMËN 8722 2112 K

**4603//5013 kHz, 09-11**

1100 UTC Marker D  
 1105 UTC KAPL QRV K  
 KAPL R11 K  
 1130 UTC Marker D  
 1135 UTC KAPL de GWTK QTC K  
 KAPL QRV K  
 GWTK 12 05 1335 = 3267 4728 3805 3018 8572 K  
 KAPL R 12 K  
 1230 UTC Marker D  
 1300 UTC Marker D  
 1330 UTC Marker D

**5394 kHz, 15-11, 1449 UTC, i.p.**

PA7U DE TOY4 K  
 PA7U DE TOY4 K  
 R K  
 VJX5 VJX5 QRV K

**4126 kHz, 27-11, 1818 UTC, i.p.**

VVV OPEH OPEH OPEH OPEH DE DE JBH7 DE JBH7 K K  
 QSY to 5225 QSY TO 5225  
 VVV GAU2 GAU2 DE JBH7 DE JBH7 K K  
 VVV J8TY DE JBH7 DE EEEE  
 VV J8TY J8TY DE JBH7 DE JBH7 K K

**6220 kHz, 30-11, 1800 UTC**

OMCL OMCL OMCL DE JZNK K  
 IKRF IKRF IKRF DE JZNK K RK  
 HRKG HRKG HRKG DE JZNK K

***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)*****3335 kHz, 06-11, 1800 UTC, i.p.**

DE RJD93 QSA 2 QRV K  
 = RAI44 284 10 6 2100 284 =  
 FM RAI44 FOR RJH45/RJH48/RJZ4 = (RJH45 and RJH48 listed as Navy Hydrographic Service)  
 06180 99532 11417 44/98 22615 40119 54007 70000 22200 06009 = AR K  
 RJD93 R 284 K (Naval Station, Sovetskaya Gavan)  
 DE RAI44 TU QRU E E

**4523 kHz, 06-11, 1559 MUTC**

RBL91 wkg RADJ (collective callsign) and stations RFN72, RJN73, RFN68, RFN33, RFN32, RFN76, RFN77, RFN74  
 Note that this is the old RMW44 net with outstations RFN32, RFN72, RFN74, RFN76, RFN77, RFN67

**9089 kHz, 15-11, 0027 UTC, i.p.**

DE RCC QSA ? QTC K  
 RCC 259 30 15 0230 259  
 FM RCC  
 FOR RGZ52 =  
 ÏHIEK OKRGT ...

***M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)*****8816 kHz, 10-11, 0711 UTC**

RJF94 DE 80808  
 QTO 0700 QRD XLAA XLMD QRE 0800 QBD 0435 K  
 QQM XLAA 0808 SK

**8816 kHz, 10-11, 0718 UTC**

RJC38 DE RJF94 QSA2 K  
RPT FM 26385 K  
RJF94 RPT QTO 0755 QRD XLAA XLMD QRE 0940 QBD 0400 K

**8816 kHz, 10-11, 0810 UTC**

RJC38 RJF94 DE 26385  
QTO 0755 QRD XLAA XLMD QRE 0940 QBD 0400 K  
QTH 16697 13738 QTR 0840 QBD 0300 QRE XLAA 0930 K  
XLAA 0931 SK

**8816 kHz, 10-11, 0829 UTC**

RJC38 DE 84375  
QTO 0819 QRD XLWF XLMD QBD 0500 K  
QTH 16457 13430 QRE XLWF 1020 QBD 0410 K  
QQM XLWF SK

**8816 kHz, 10-11, 0942 UTC**

RJF94 RJC38 DE 75005  
QTO 0941 QRD XLWF XLMD QBD 0600 QRE 1150 K  
QQQ ULPE 1040 QBG 7000 QBD 0500 K

**8816 kHz, 10-11, 1258 UTC**

RJF94 RJC38 DE 75005  
QTO 1247 QRD XLMD XLWF QBD 0500 QRE 1515 K

**8816 kHz, 10-11, 1339 UTC**

RJF94 DE 80808 QTO 1330 QRD XLMD XLAA QRE 1435 QBD 0330 K  
QQM XLMD 1440 SK

**8816 kHz, 15-11, 0722 UTC**

RJF94 RJC38 DE 75005 QQL ULPE 0720 QBG 280 K  
QQM XLLV 0818 SK

**8816 kHz, 15-11, 0730 UTC**

RJC38 RJF94 DE 26383 QTO 0722 QRD XRKE XLWF QRE 1140 QBD 0500 K  
QTH 15586 13786 QTR 0832 QBD 0400 QBG 5500 K  
QTH 15238 13893 QTR 0934 QBD 0300 QBG 5800 K  
QAY XRRI 1034 QBD 0200 QRE XRKE 1145 K  
QQM XRKE 1150 SK

**8816 kHz, 15-11, 1250 UTC**

RJF94 RJC38 DE 75222 QTO 1239 QRD XLLV XLMD QBD 0600 QRE 1450 K  
QQQ ULPE 1334 QBD 0500 QRE 1440 K

**8816 kHz, 15-11, 1322 UTC**

RJC38 RJF94 DE 75005 QTO 1315 QRD XUMO XLLV QBD 0700 QRE 1445 K  
QAY UUEM 1412 QBG 210 QRE XUMO 1440 K  
QQM XUMO 1451 SK

**8816 kHz, 17-11, 1027 UTC**

RJF94 RJC38 DE 26385 QTH 16607 13913 QTR 1025 QRE XLAA 1100 K  
QQM XLAA 1058 SK

**8816 kHz, 17-11, 1522 UTC**

RJF94 RJC38 DE 26385 QTH 16628 13615 QTR 1510 QRE XLMD 1610 K  
QSA 1 COL QTH 16628 13615 QTR 1510 QRE XLMD 1610 K



## LOGS SECTION

Code	Freq	Date	UTC	Day	Veld0	mode	ctrb
---	3012	9-11	2119	Fri	Goose channel marker	USB	(AB)
---	4182	9-11	2122	Fri	Dash channel marker	USB	(AB)
---	4182	11-11	1735	Sun	Dash channel marker	CW	(MPJ)
---	3714	12-11	1833	Mon	North Korean military i.p. VVV DE B1U B1U QSA 1 ? VVV DE B1U B1U QSA 1 ?	CW	(JPL-KOR)
---	3607	12-11	1906	Mon	North Korean military i.p. VVV O5G DE CJ4 QSA? K (Chirpy/Drifting signal)	CW	(JPL-KOR)
---	4125	14-11	1048	Wed	North Korean Military i.p. VVV 8XB DE RGB QRU 19730 19730 SK SK	CW	(JPL-KOR)
---	3765.5	14-11	1616	Wed	North Korean Military i.p. 1902 1902 SK SK (chirpy)	CW	(JPL-KOR)
---	3563.7	15-11	1502	Thu	North Korean Military i.p. 4136 DE 4130 QSA ? K 5DL DE 4130 4130 4130 QSA ? K	CW	(JPL-KOR)
---	3565.3	15-11	1512	Thu	North Korean Military i.p. DE 4117 4117 4117 QSA ? De 4150 4150 4150 4150 QSA ? K	CW	(JPL-KOR)
CZE	14360	22-11	1305	Thu	Czech Intelligence connecting with CONEASY	Pactor-3	(DK8OK)
DPRK	17450	3-11	1159	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	18222	5-11	1329	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13050	5-11	1330	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14050	5-11	1332	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	5-11	1333	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	6756	5-11	1343	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14449	13-11	1339	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14446	13-11	1341	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	6982	14-11	1438	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13999	22-11	0812	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	20140	1-11	0700	Thu	507 284 61 13227 81745 69496 ... 41007 41600 90283 284 61 00000	USB	(AB-AUT)
E06	4836	1-11	2024	Thu	111 111 111 00000	USB	(AB)
E06	4836	1-11	2030	Thu	321 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000	USB	(AB/MPJ/HFD)
E06	18285	2-11	0600	Fri	507 284 61 13227 81745 69496 ... 41007 41600 90283 284 61 00000	USB	(AB-RUS)
E06	20140	2-11	0700	Fri	507 284 61 13227 81745 69496 ... 41007 41600 90283 284 61 00000	USB	(AB-RUS)
E06	4760	2-11	2130	Fri	472 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000	USB	(AB/HFD)
E06	18285	15-11	0600	Thu	507 129 53 73736 01773 05982 ... 23603 21373 32884 129 53 00000	USB	(AB-RUS/HFD-RUS)
E06	20140	15-11	0700	Thu	507 129 53 73736 01773 05982 ... 23603 21373 32884 129 53 00000	USB	(AB-RUS/HFD-RUS)
E06	4836	15-11	2029	Thu	321 671 45 32901 53089 61890 ... 24654 87130 55791 671 45 00000	USB	(AB/MPJ)
E06	18285	16-11	0600	Fri	507 129 53 73736 01773 05982 ... 23603 21373 32884 129 53 00000	USB	(AB-RUS)
E06	20140	16-11	0700	Fri	507 129 53 73736 01773 05982 ... 23603 21373 32884 129 53 00000	USB	(AB-RUS)
E06	4760	16-11	2130	Fri	472 671 45 32901 53089 61890 ... 24654 87130 55791 671 45 00000	USB	(AB)
E06	13863	29-11	0300	Thu	361 427 427 50 50 52915 37325 38909 ... 45729 39865 59776 427 427 50 50 00000 //16175	USB	(HFD-RUS)
E06	16175	29-11	0300	Thu	361 427 427 50 50 52915 37325 38909 ... 45729 39865 59776 427 427 50 50 00000	USB	(BW3-HOL/HFD)
E06	13863	29-11	0400	Thu	361 427 427 50 50 52915 37325 38909 ... 45729 39865 59776 427 427 50 50 00000	USB	(HFD)

E07	14884	2-11	1100	Fri	835 835 835 000	USB	(AB/MPJ/HFD)
E07	13384	2-11	1120	Fri	835 835 835 000	USB	(AB/MPJ/HFD)
E07	10112	3-11	0700	Sat	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB/HFD)
E07	11112	3-11	0720	Sat	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB/HFD)
E07	12112	3-11	0740	Sat	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB/HFD)
E07	10274	3-11	1430	Sat	327 327 327 000	USB	(MPJ)
E07	10112	4-11	0700	Sun	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB)
E07	11112	4-11	0720	Sun	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB)
E07	12112	4-11	0740	Sun	111 111 111 1 792 45 792 45 84892 04555 42857 ... 76425 19471 56313 000 000	USB	(AB)
E07	7582	4-11	1800	Sun	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(HFD)
E07	6782	4-11	1820	Sun	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(HFD)
E07	5182	4-11	1840	Sun	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(HFD)
E07	7616	5-11	2000	Mon	682 682 682 000	USB	(AB/MPJ)
E07	6816	5-11	2020	Mon	682 682 682 000	USB	(AB/MPJ)
E07	15823	6-11	0700	Tue	836 836 836 000	USB	(AB-AUT)
E07	16323	6-11	0720	Tue	836 836 836 000	USB	(AB-AUT)
E07	14884	6-11	1100	Tue	835 835 835 000	USB	(AB)
E07	13384	6-11	1120	Tue	835 835 835 000	USB	(AB)
E07	7582	7-11	1800	Wed	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(AB/MPJ)
E07	6782	7-11	1820	Wed	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(AB/MPJ)
E07	5182	7-11	1840	Wed	571 571 571 1 3039 70 3039 70 82653 99858 90076 ... 53538 42535 94053 000 000	USB	(AB/MPJ)
E07	7616	7-11	2000	Wed	682 682 682 000	USB	(AB/MPJ/HFD)
E07	6816	7-11	2020	Wed	682 682 682 000	USB	(AB/MPJ/HFD)
E07	11474	8-11	1410	Thu	327 327 327 1 146 71 146 71 63040 83348 47651 ... 63263 67784 25351 000 000	USB	(AB)
E07	10274	8-11	1430	Thu	327 327 327 1 146 71 146 71 63040 83348 47651 ... 63263 67784 25351 000 000	USB	(AB/MPJ)
E07	15823	9-11	0700	Fri	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-GRC/HFD)
E07	16323	9-11	0720	Fri	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-GRC/HFD)
E07	18623	9-11	0740	Fri	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-GRC/HFD)
E07	14884	9-11	1100	Fri	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB)
E07	13384	9-11	1120	Fri	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB)
E07	11584	9-11	1140	Fri	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB)
E07	10112	10-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	10-11	0720	Sat	111 111 111 000	USB	(AB)
E07	11574	10-11	1410	Sat	327 327 327 1 146 71 146 71 63040 83348 47651 ... 63263 67784 25351 000 000	USB	(BW3- HOL/MPJ/HFD)
E07	10274	10-11	1430	Sat	327 327 327 1 146 71 146 71 63040 83348 47651 ... 63263 67784 25351 000 000	USB	(BW3/MPJ/HFD)
E07	9274	10-11	1450	Sat	327 327 327 1 146 71 146 71 63040 83348 47651 ... 63263 67784 25351 000 000	USB	(MPJ/HFD)
E07	10112	11-11	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	11-11	0720	Sun	111 111 111 000	USB	(AB)
E07	7582	11-11	1800	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB)

E07	6782	11-11	1820	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB)
E07	5182	11-11	1840	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB)
E07	7616	12-11	2000	Mon	682 682 682 000	USB	(AB/MPJ)
E07	6816	12-11	2020	Mon	682 682 682 000	USB	(AB/CM2-HOL/MPJ)
E07	15823	13-11	0700	Tue	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-AUT)
E07	16323	13-11	0720	Tue	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-AUT)
E07	18623	13-11	0740	Tue	836 836 836 1 449 87 449 87 23464 45274 30119 ... 44808 78674 75160 000 000	USB	(AB-AUT)
E07	14884	13-11	1100	Tue	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB/MPJ/RL)
E07	13384	13-11	1120	Tue	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB/MPJ)
E07	11584	13-11	1140	Tue	835 835 835 1 7178 75 7178 75 31840 13376 82982 ... 15951 35411 89451 000 000	USB	(AB/MPJ)
E07	7582	14-11	1800	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	6782	14-11	1820	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	5182	14-11	1840	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	7616	14-11	2000	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	6816	14-11	2020	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	5216	14-11	2040	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	11574	15-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
E07	10274	15-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
E07	15823	16-11	0700	Fri	836 836 836 000	USB	(AB-GRC)
E07	16323	16-11	0720	Fri	836 836 836 000	USB	(AB-GRC)
E07	14884	16-11	1100	Fri	835 835 835 000	USB	(AB/MPJ)
E07	13384	16-11	1120	Fri	835 835 835 000	USB	(AB/MPJ)
E07	10112	17-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	17-11	0720	Sat	111 111 111 000	USB	(AB)
E07	11574	17-11	1410	Sat	327 327 327 000	USB	(MPJ)
E07	10274	17-11	1430	Sat	327 327 327 000	USB	(MPJ/BW3)
E07	10112	18-11	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	18-11	0720	Sun	111 111 111 000	USB	(AB)
E07	7582	18-11	1800	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	6782	18-11	1820	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	5182	18-11	1840	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	6215.6	19-11	1949	Mon	i.p. ... 35803 53821 30214 6972 000 000. Harmonic of 5182 kHz	LSB	(Kris)
E07	7616	19-11	2000	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	6816	19-11	2020	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	5216	19-11	2040	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	15823	20-11	0700	Tue	836 836 836 000	USB	(AB-AUT)
E07	16323	20-11	0720	Tue	836 836 836 000	USB	(AB-AUT)
E07	14884	20-11	1100	Tue	835 835 835 000	USB	(AB/MPJ)
E07	13384	20-11	1120	Tue	835 835 835 000	USB	(AB/MPJ)

E07	7582	21-11	1800	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ/BW3-HOL)
E07	6782	21-11	1820	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ/BW3-HOL)
E07	5182	21-11	1840	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ/BW3-HOL)
E07	7616	21-11	2000	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB-AUT/MPJ)
E07	6816	21-11	2020	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	5216	21-11	2040	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	11574	22-11	1410	Thu	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB/MPJ)
E07	10274	22-11	1430	Thu	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB/MPJ)
E07	9274	22-11	1450	Thu	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB-AUT/MPJ)
E07	15823	23-11	0700	Fri	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB)
E07	16323	23-11	0720	Fri	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB)
E07	18623	23-11	0740	Fri	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB-G)
E07	14884	23-11	1100	Fri	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	13384	23-11	1120	Fri	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	11584	23-11	1140	Fri	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	10112	24-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	24-11	0720	Sat	111 111 111 000	USB	(AB)
E07	11574	24-11	1410	Sat	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB-RUS/MPJ-RUS)
E07	10274	24-11	1430	Sat	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB/MPJ-RUS)
E07	9274	24-11	1450	Sat	327 327 327 1 9610 65 9610 65 24259 86837 13927 ... 30342 20610 75626 000 000	USB	(AB/MPJ-RUS)
E07	10112	25-11	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	25-11	0720	Sun	111 111 111 000	USB	(AB)
E07	7582	25-11	1800	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	6782	25-11	1820	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	5182	25-11	1840	Sun	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	7616	26-11	2000	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	6816	26-11	2020	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
E07	5216	26-11	2040	Mon	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
E07	15823	27-11	0700	Tue	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB)
E07	16323	27-11	0720	Tue	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB)
E07	18623	27-11	0740	Tue	836 836 836 1 221 71 221 71 21794 83321 70047 ... 28970 75532 03934 000 000	USB	(AB-QAT)
E07	14884	27-11	1100	Tue	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	13384	27-11	1120	Tue	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	11584	27-11	1140	Tue	835 835 835 1 453 139 453 139 77227 99277 26639 ... 03704 14437 77271 000 000	USB	(AB/MPJ)
E07	7582	28-11	1800	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
E07	6782	28-11	1820	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)

<b>E07</b>	5182	28-11	1840	Wed	571 571 571 1 3036 92 3036 92 13515 84481 53201 ... 53821 30214 06972 000 000	USB	(AB/MPJ)
<b>E07</b>	7616	28-11	2000	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB-AUT/MPJ)
<b>E07</b>	6816	28-11	2020	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB/MPJ)
<b>E07</b>	5216	28-11	2040	Wed	682 682 682 1 129 44 129 44 90721 61618 10199 ... 49089 57157 72134 000 000	USB	(AB)
<b>E07</b>	11574	29-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
<b>E07</b>	10274	29-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
<b>E07</b>	15823	30-11	0700	Fri	836 836 836 000	USB	(AB)
<b>E07</b>	16323	30-11	0720	Fri	836 836 836 000	USB	(AB)
<b>E07</b>	14884	30-11	1100	Fri	835 835 835 000	USB	(AB/MPJ)
<b>E07</b>	13384	30-11	1120	Fri	835 835 835 000	USB	(AB/MPJ)
<b>E07a</b>	5111	1-11	0530	Thu	189 189 189 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
<b>E07a</b>	5811	1-11	0550	Thu	189 189 189 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
<b>E07a</b>	6911	1-11	0610	Thu	189 189 189 1 31602 445 63 445 63 31013 24099 21904 ... 38347 54270 28258 000 000	USB	(AB)
<b>E07a</b>	8138	2-11	1610	Fri	158 158 158 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/MPJ)
<b>E07a</b>	7538	2-11	1630	Fri	158 158 158 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/MPJ)
<b>E07a</b>	6838	2-11	1650	Fri	158 158 158 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB/MPJ)
<b>E07a</b>	11553	3-11	0900	Sat	515 1-35046-409/57 =85852	USB	(HFD)
<b>E07a</b>	11553	3-11	1000	Sat	515 515 515 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
<b>E07a</b>	12153	3-11	1020	Sat	515 515 515 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
<b>E07a</b>	13553	3-11	1040	Sat	515 515 515 1 35046 409 57 409 57 85452 86068 17867 ... 05559 66820 51919 000 000	USB	(AB)
<b>E07a</b>	5877	7-11	2100	Wed	825 825 825 000	USB	(AB/RL/HFD)
<b>E07a</b>	5277	7-11	2120	Wed	825 825 825 000	USB	(AB/RL/BW3/HFD)
<b>E07a</b>	5111	8-11	0530	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	5811	8-11	0550	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	8138	9-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
<b>E07a</b>	7538	9-11	1630	Fri	158 158 158 000	USB	(AB/GHn/MPJ)
<b>E07a</b>	11553	10-11	1000	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	12153	10-11	1020	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	5877	14-11	2100	Wed	825 825 825 000	USB	(AB)
<b>E07a</b>	5277	14-11	2120	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5111	15-11	0530	Thu	189 189 189 000	USB	(AB/HFD)
<b>E07a</b>	5811	15-11	0550	Thu	189 189 189 000	USB	(AB/HFD)
<b>E07a</b>	8138	16-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
<b>E07a</b>	7538	16-11	1630	Fri	158 158 158 000	USB	(AB/MPJ0)
<b>E07a</b>	11553	17-11	1000	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	12153	17-11	1020	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	5877	21-11	2100	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5277	21-11	2120	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5111	22-11	0530	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	5811	22-11	0550	Thu	189 189 189 000	USB	(AB)

<b>E07a</b>	8138	23-11	1610	Fri	158 158 158 000	USB	(AB)
<b>E07a</b>	7538	23-11	1630	Fri	158 158 158 000	USB	(AB)
<b>E07a</b>	11553	24-11	1000	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	12153	24-11	1020	Sat	515 515 515 000	USB	(AB)
<b>E07a</b>	5877	28-11	2100	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5277	28-11	2120	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5111	29-11	0530	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	5811	29-11	0550	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	8138	30-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
<b>E07a</b>	7538	30-11	1630	Fri	158 158 158 000	USB	(AB/GHn/BW3-HOL/MPJ)
<b>E11</b>	5779	1-11	0315	Thu	250/00	USB	(AB)
<b>E11</b>	11104	1-11	0845	Thu	155/00	USB	(AB/HFD)
<b>E11</b>	8680	1-11	1300	Thu	589/00	USB	(AB/MPJ/HFD)
<b>E11</b>	5409	1-11	1530	Thu	264/00	USB	(AB/MPJ/HFD)
<b>E11</b>	11493	1-11	1645	Thu	Null message	USB	(MPJ)
<b>E11</b>	5779	1-11	1730	Thu	416/00	USB	(AB/MPJ/HFD)
<b>E11</b>	6849	1-11	1900	Thu	649/00	USB	(AB/HFD)
<b>E11</b>	12067	1-11	1925	Thu	553/00	USB	(AB/MPJ/HFD)
<b>E11</b>	9200	2-11	0600	Fri	184/00	USB	(AB)
<b>E11</b>	9130	2-11	0715	Fri	633/00	USB	(AB/HFD)
<b>E11</b>	17378	2-11	0745	Fri	342/00	USB	(AB-AUT/HFD)
<b>E11</b>	8800	2-11	1000	Fri	302/00	USB	(AB/HFD)
<b>E11</b>	20267	2-11	1225	Fri	522/00	USB	(AB-AUT/MPJ-AUT)
<b>E11</b>	7377	3-11	0805	Sat	313/00	USB	(HFD)
<b>E11</b>	8680	3-11	1300	Sat	583/00	USB	(AB/MPJ)
<b>E11</b>	14666	3-11	1345	Sat	910/00	USB	(AB/MPJ-HOL)
<b>E11</b>	9443	3-11	1705	Sat	391/00	USB	(MPJ/HFD)
<b>E11</b>	8545	3-11	1730	Sat	409/00	USB	(AB/MPJ/HFD)
<b>E11</b>	11107	3-11	2005	Sat	360/00	USB	(MPJ-AUT/HFD)
<b>E11</b>	4505	4-11	1605	Sun	235/00	USB	(AB/MPJ/HFD)
<b>E11</b>	10448	4-11	1625	Sun	975/00	USB	(AB/MPJ)
<b>E11</b>	12924	4-11	1745	Sun	248/00	USB	(AB/HFD)
<b>E11</b>	11107	4-11	2005	Sun	367/00	USB	(AB)
<b>E11</b>	9200	5-11	0600	Mon	189/00	USB	(AB)
<b>E11</b>	10213	5-11	0745	Mon	261/00	USB	(HFD)
<b>E11</b>	4909	5-11	0820	Mon	430/00	USB	(AB)
<b>E11</b>	8597	5-11	0900	Mon	537/00	USB	(AB)
<b>E11</b>	20167	5-11	1225	Mon	520/00	USB	(HFD)

E11	6849	5-11	1900	Mon	649/00	USB	(AB/MPJ)
E11	7840	6-11	0645	Tue	514/00	USB	(AB)
E11	6804	6-11	0700	Tue	574/00	USB	(AB)
E11	9130	6-11	0715	Tue	633/00	USB	(AB)
E11	11104	6-11	0845	Tue	156/00	USB	(AB)
E11	8800	6-11	1000	Tue	307/00	USB	(AB)
E11	7317	6-11	1205	Tue	461/00	USB	(AB/MPJ/HFD)
E11	4505	6-11	1605	Tue	231/00	USB	(AB/GHn/MPJ)
E11	17378	7-11	0745	Wed	343/00	USB	(AB)
E11	8597	7-11	0900	Wed	534/00	USB	(AB/HFD)
E11	8180	7-11	0930	Wed	270/00	USB	(HFD)
E11	8180	7-11	0930	Wed	270/00	USB	(AB)
E11	7317	7-11	1205	Wed	462/00	USB	(AB/MPJ)
E11	10448	7-11	1625	Wed	974/00	USB	(AB/MPJ/HFD)
E11	9443	7-11	1705	Wed	393/00	USB	(AB/MPJ)
E11	7840	8-11	0645	Thu	514/00	USB	(AB/HFD)
E11	4909	8-11	0820	Thu	430/00	USB	(AB/HFD)
E11	11104	8-11	0845	Thu	159/00	USB	(AB)
E11	8180	8-11	0930	Thu	275/00	USB	(AB)
E11	8680	8-11	1300	Thu	581/00	USB	(MPJ)
E11	5409	8-11	1530	Thu	266/00	USB	(AB/MPJ)
E11	11493	8-11	1645	Thu	331/00	USB	(MPJ-I)
E11	5779	8-11	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	8-11	1900	Thu	648/00	USB	(AB/MPJ)
E11	9200	9-11	0600	Fri	185/00	USB	(AB)
E11	6804	9-11	0700	Fri	571/00	USB	(AB)
E11	9130	9-11	0715	Fri	636/00	USB	(AB)
E11	17378	9-11	0745	Fri	348/00	USB	(AB-AUT)
E11	8800	9-11	1000	Fri	302/00	USB	(AB)
E11	20267	9-11	1225	Fri	522/00	USB	(AB)
E11	16335	9-11	1650	Fri	926/00	USB	(AB/MPJ)
E11	4505	10-11	0710	Sat	496/00	USB	(AB)
E11	7377	10-11	0805	Sat	315/00	USB	(AB)
E11	8680	10-11	1300	Sat	585/00	USB	(MPJ)
E11	9443	10-11	1705	Sat	393/00	USB	(AB/MPJ/GHn)
E11	11107	10-11	2005	Sat	364/00	USB	(MPJ)
E11	4505	11-11	0710	Sun	496/00	USB	(AB)
E11	7377	11-11	0805	Sun	313/00	USB	(AB)
E11	4505	11-11	1605	Sun	237/00	USB	(AB/GHn/MPJ)
E11	10448	11-11	1625	Sun	975/00	USB	(AB/MPJ)



E11	16335	11-11	1650	Sun	925/00	USB	(AB)
E11	10487	11-11	1910	Sun	610/00	USB	(AB/MPJ/HFD-I)
E11	4909	12-11	0450	Mon	414/00	USB	(AB-POL)
E11	9200	12-11	0600	Mon	188/00	USB	(AB/HFD)
E11	11450	12-11	0640	Mon	941/00	USB	(AB)
E11	7984	12-11	1045	Mon	691/00	USB	(AB)
E11	7840	13-11	0645	Tue	512/00	USB	(AB)
E11	14611	13-11	0820	Tue	136/00	USB	(AB)
E11	8800	13-11	1000	Tue	307/00	USB	(AB)
E11	7317	13-11	1205	Tue	465/00 Stopped after 1 minute	USB	(AB/MPJ)
E11	14666	13-11	1345	Tue	917/00	USB	(MPJ)
E11	4505	13-11	1605	Tue	231/00	USB	(AB/GHn/MPJ)
E11	12067	13-11	1925	Tue	Null message	USB	(MPJ)
E11	14611	14-11	0820	Wed	138/00	USB	(AB)
E11	8180	14-11	0930	Wed	279/00	USB	(AB)
E11	7984	14-11	1045	Wed	691/00	USB	(AB)
E11	7317	14-11	1205	Wed	460/00	USB	(AB/MPJ)
E11	8545	14-11	1730	Wed	402/00	USB	(AB/MPJ)
E11	7840	15-11	0645	Thu	512/00	USB	(AB)
E11	8180	15-11	0930	Thu	277/00	USB	(AB)
E11	5779	15-11	1730	Thu	418/00	USB	(AB/MPJ/BW3-HOL)
E11	12067	15-11	1925	Thu	558/00	USB	(MPJ/BW3-HOL)
E11	9200	16-11	0600	Fri	181/00	USB	(AB)
E11	8800	16-11	1000	Fri	300/00	USB	(AB)
E11	20267	16-11	1225	Fri	522/00	USB	(AB)
E11	10487	16-11	1910	Fri	616(?) /00	USB	(MPJ-AUT)
E11	4505	17-11	0710	Sat	498/00	USB	(AB)
E11	14666	17-11	1345	Sat	917/00	USB	(GHn/MPJ)
E11	8545	17-11	1730	Sat	408/00	USB	(MPJ)
E11	11107	17-11	2005	Sat	368/00	USB	(MPJ)
E11	4505	18-11	0710	Sun	496/00	USB	(AB)
E11	4505	18-11	1605	Sun	236/00	USB	(AB/MPJ)
E11	10448	18-11	1625	Sun	97?/00	USB	(AB)
E11	11107	18-11	2005	Sun	365/00	USB	(MPJ)
E11	10213	19-11	0745	Mon	269/00	USB	(AB)
E11	4909	19-11	0820	Mon	432/00	USB	(AB)
E11	8597	19-11	0900	Mon	533/00	USB	(AB)
E11	7984	19-11	1045	Mon	692/00	USB	(AB/MPJ/HFD)
E11	6849	19-11	1900	Mon	646/00	USB	(AB/MPJ)



E11	6804	20-11	0700	Tue	575/00	USB	(AB)
E11	9130	20-11	0715	Tue	637/00	USB	(AB)
E11	14666	20-11	1345	Tue	919/00	USB	(MPJ)
E11	11493	20-11	1645	Tue	331/00	USB	(MPJ)
E11	12067	20-11	1925	Tue	556/00	USB	(AB-AUT/MPJ)
E11	11450	21-11	0640	Wed	941/00	USB	(AB)
E11	17378	21-11	0745	Wed	346/00	USB	(AB-AUT)
E11	14611	21-11	0820	Wed	135/00	USB	(AB)
E11	8597	21-11	0900	Wed	535/00	USB	(AB)
E11	7984	21-11	1045	Wed	698/00	USB	(AB)
E11	10448	21-11	1625	Wed	978/00	USB	(AB/MPJ)
E11	9443	21-11	1705	Wed	391/00	USB	(AB/MPJ)
E11	8545	21-11	1730	Wed	402/00	USB	(AB/MPJ)
E11	7840	22-11	0645	Thu	519/00	USB	(AB)
E11	4909	22-11	0820	Thu	435/00	USB	(AB)
E11	8680	22-11	1300	Thu	583/00	USB	(AB/MPJ)
E11	5409	22-11	1530	Thu	261/00	USB	(AB/MPJ)
E11	11493	22-11	1645	Thu	330/00	USB	(HFD)
E11	11493	22-11	1645	Thu	330/00	USB	(AB/MPJ/HFD)
E11	6849	22-11	1900	Thu	644/00	USB	(AB/MPJ)
E11	6804	23-11	0700	Fri	571/00	USB	(AB)
E11	9130	23-11	0715	Fri	630/00	USB	(AB)
E11	17378	23-11	0745	Fri	342/00	USB	(AB-AUT)
E11	8800	23-11	1000	Fri	309/00	USB	(AB)
E11	16335	23-11	1650	Fri	920/00	USB	(AB/MPJ)
E11	10487	23-11	1910	Fri	612/00	USB	(MPJ-I)
E11	4505	24-11	0710	Sat	497/00	USB	(AB)
E11	7377	24-11	0805	Sat	312/00	USB	(AB)
E11	14666	24-11	1345	Sat	917/00	USB	(AB/MPJ))
E11	9443	24-11	1705	Sat	391/00	USB	(AB/MPJ/BW3-D)
E11	8545	24-11	1730	Sat	403/00	USB	(AB/MPJ)
E11	4505	25-11	0710	Sun	495/00	USB	(AB/HFD)
E11	7377	25-11	0805	Sun	314/00	USB	(AB)
E11	10448	25-11	1625	Sun	976/00	USB	(MPJ)
E11	16335	25-11	1650	Sun	921/00	USB	(MPJ)
E11	12924	25-11	1745	Sun	247/00	USB	(MPJ)
E11	10487	25-11	1910	Sun	617/00	USB	(AB-G/MPJ-AUT)
E11	4909	26-11	0450	Mon	413/00	USB	(AB/HFD)
E11	11450	26-11	0640	Mon	949/00	USB	(AB)
E11	10213	26-11	0745	Mon	268/00	USB	(AB)

E11	4909	26-11	0820	Mon	434/00	USB	(AB)
E11	8597	26-11	0900	Mon	537/00	USB	(AB)
E11	7984	26-11	1045	Mon	696/00	USB	(AB)
E11	20167	26-11	1225	Mon	524/00	USB	(AB-UKR)
E11	12924	26-11	1745	Mon	246/00	USB	(AB-AUT)
E11	6849	26-11	1900	Mon	646/00	USB	(AB/MPJ)
E11	6804	27-11	0700	Tue	579/00	USB	(AB)
E11	9130	27-11	0715	Tue	636/00	USB	(AB)
E11	11104	27-11	0845	Tue	155/00	USB	(AB)
E11	7317	27-11	1205	Tue	465/00	USB	(AB/MPJ)
E11	14666	27-11	1345	Tue	918/00	USB	(AB-AUT)
E11	4505	27-11	1605	Tue	237/00	USB	(AB)
E11	12067	27-11	1925	Tue	551?/00	USB	(AB-AUT)
E11	5779	28-11	0315	Wed	251/00	USB	(HFD)
E11	11450	28-11	0640	Wed	949/00	USB	(AB)
E11	17378	28-11	0745	Wed	343/00	USB	(AB-QAT)
E11	8597	28-11	0900	Wed	538/00	USB	(AB)
E11	8180	28-11	0930	Wed	275/00	USB	(AB)
E11	7984	28-11	1045	Wed	692/00	USB	(AB)
E11	7317	28-11	1205	Wed	461/00	USB	(AB/MPJ)
E11	10448	28-11	1625	Wed	974/00	USB	(AB/MPJ)
E11	9443	28-11	1705	Wed	396/00	USB	(AB/MPJ)
E11	8545	28-11	1730	Wed	402/00	USB	(AB/MPJ)
E11	5779	29-11	0315	Thu	251/00	USB	(BW3)
E11	8180	29-11	0930	Thu	271/00	USB	(AB)
E11	8680	29-11	1300	Thu	583/00	USB	(MPJ)
E11	5409	29-11	1530	Thu	267/00	USB	(MPJ)
E11	11439	29-11	1645	Thu	331/00	USB	(MPJ)
E11	9200	30-11	0600	Fri	180/00	USB	(AB)
E11	6804	30-11	0700	Fri	571/00	USB	(AB)
E11	9130	30-11	0715	Fri	636/00	USB	(AB)
E11	17378	30-11	0745	Fri	348/00	USB	(AB-QAT)
E11	20167	30-11	1225	Fri	521/00	USB	(AB-QAT)
E11	16335	30-11	1650	Fri	922/00	USB	(AB-AUT/MPK-I)
E11	10487	30-11	1910	Fri	617/00	USB	(AB-I/MPJ-HOL)
E11a	4505	3-11	0710	Sat	497/37 41568 70544 75027 ... 93791 51925 59594 (msg rptd) Out.	USB	(AB)
E11a	4505	4-11	0710	Sun	497/37 41568 70544 75027 ... 93791 51925 59594 (msg rptd) Out.	USB	(AB)
E11a	16335	4-11	1650	Sun	922/34 50448 03855 27718 ... 58494 85976 44517 (msg rptd) Out.	USB	(AB-GRC/MPJ-GRC/HFD-GRC)
E11a	11450	5-11	0640	Mon	944/30 30252 25282 54764 ... 97168 80088 32358 (msg rptd) Out.	USB	(AB/HFD)

E11a	7984	5-11	1045	Mon	694/39 81843 97080 22130 ... 81288 12521 45622 (msg rptd) Out.	USB	(AB/LA6LU)
E11a	12924	5-11	1745	Mon	247/34 37203 41800 05155 42421 55701 31593 4160 faded out	USB	(AB/MPJ)
E11a	14666	6-11	1345	Tue	911/34 77822 83372 40608 ... 46937 22365 27075 (repeat message) Out.	USB	(AB-GRC/HFD)
E11a	12067	6-11	1925	Tue	550/31 41228 06084 80996 ... 36847 81463 46918 (msg rptd) Out.	USB	(AB)
E11a	11450	7-11	0640	Wed	944/30 30252 25282 54764 ... 97168 80088 32358 (msg rptd) Out.	USB	(AB)
E11a	7984	7-11	1045	Wed	694/39 81843 97080 22130 ... 81288 12521 45622 (msg rptd) Out.	USB	(AB)
E11a	8545	7-11	1730	Wed	400/31 23389 08164 61659 ... 77692 06605 90913 (msg rptd) Out.	USB	(AB/MPJ)
E11a	14666	10-11	1345	Sat	911/34 77822 83372 40608 ... 46937 22365 27075 (repeat message) Out.	USB	(MPJ)
E11a	8545	10-11	1730	Sat	400/31 23389 08164 61659 ... 77692 06605 90913 (msg rptd) Out.	USB	(AB/MPJ)
E11a	12924	11-11	1745	Sun	Message	USB	(AB)
E11a	10213	12-11	0745	Mon	266/38 61165 21460 86471 ... 14006 57521 54970 (msg rptd) Out.	USB	(AB)
E11a	4909	12-11	0820	Mon	435/36 79713 80896 63727 ... 88525 88586 86237 (msg rptd) Out.	USB	(AB)
E11a	8597	12-11	0900	Mon	533/39 39949 38497 80503 ... 54447 35564 97404 (msg rptd) Out.	USB	(AB)
E11a	6849	12-11	1900	Mon	644/40 42830 62952 69047 ... 50104 72821 53593 (msg rptd) Out.	USB	(AB/MPJ)
E11a	6804	13-11	0700	Tue	573/32 33927 73965 66323 ... 33064 79665 36228 (msg rptd) Out.	USB	(AB/HFD)
E11a	9130	13-11	0715	Tue	630/32 86811 01812 44415 ... 40496 22399 20240 (msg rptd) Out.	USB	(AB)
E11a	17378	14-11	0745	Wed	343/36 34640 57954 65657 ... 28371 67801 10405 (msg rptd) Out	USB	(AB)
E11a	8597	14-11	0900	Wed	533/39 39949 38497 80503 ... 54447 35564 97404 (msg rptd) Out.	USB	(AB)
E11a	10448	14-11	1625	Wed	978/33 ? Too weak to copy	USB	(MPJ)
E11a	9443	14-11	1705	Wed	392/40 73503 26175 68870 ... 79089 71125 34451 (msg rptd) Out	USB	(AB/MPJ)
E11a	4909	15-11	0820	Thu	435/36 79713 80896 63727 ... 88525 88586 86237 (msg rptd) Out.	USB	(AB)
E11a	8680	15-11	1300	Thu	580/33 31106 29088 75164 ... 04439 34287 07472 (msg rptd) Out	USB	(AB)
E11a	5409	15-11	1530	Thu	266/38 61165 21460 86471 ... 14006 57521 54970 (msg rptd) Out.	USB	(AB/MPJ)
E11a	6849	15-11	1900	Thu	644/40 42830 62952 69047 ... 50104 72821 53593 (msg rptd) Out.	USB	(AB/MPJ/BW3-D)
E11a	6804	16-11	0700	Fri	573/32 33927 73965 66323 ... 33064 79665 36228 (msg rptd) Out.	USB	(AB)
E11a	9130	16-11	0715	Fri	630/32 86811 01812 44415 ... 40496 22399 20240 (msg rptd) Out.	USB	(AB)
E11a	7377	17-11	0805	Sat	313/32 51492 49782 08126 ... 51874 82369 58393 (msg rptd) Out	USB	(AB)
E11a	8680	17-11	1300	Sat	580/33 31106 29088 75164 ... 04439 34287 07472 (msg rptd) Out	USB	(MPJ)
E11a	9443	17-11	1705	Sat	392/40 73503 26175 68870 ... 79089 71125 34451 (msg rptd) Out	USB	(AB/MPJ)
E11a	7377	18-11	0805	Sun	313/32 51492 49782 08126 ... 51874 82369 58393 (msg rptd) Out	USB	(AB)
E11a	4909	19-11	0450	Mon	414/38 Attention 21628 82160 75320 ... 48132 72267 44060 Attention (msg rptd) Out	USB	(AB)
E11a	9200	19-11	0600	Mon	180/28 Attention 55106 18679 52978 ... 45587 42548 67436 Attention (msg rptd) Out	USB	(AB)
E11a	20167	19-11	1225	Mon	521/36 94076 57447 83479 ... 05917 94420 74202 (msg rptd) Out	USB	(AB-AUT/MPJ-AUT))
E11a	7317	20-11	1205	Tue	465/33 Attention 35829 74494 69904 ... 15829 74903 46646 Attention (msg rptd) Out	USB	(MPJ)
E11a	4505	20-11	1605	Tue	236/32 Attention 50394 43952 07905 ... 51193 09404 98834 Attention (msg rptd) Out	USB	(AB)
E11a	8180	21-11	0930	Wed	275/31 Attention 83597 80980 42840 ... 35883 58380 11418 Attention (msg rptd) Out	USB	(AB)
E11a	7317	21-11	1205	Wed	465/33 Attention 35829 74494 69904 ... 15829 74903 46646 Attention (msg rptd) Out	USB	(MPJ)
E11a	11104	22-11	0845	Thu	151/27 Attention 35008 61096 44816 ... 65480 65768 31293 Attention (msg rptd) Out	USB	(AB)
E11a	8180	22-11	0930	Thu	275/31 Attention 83597 80980 42840 ... 35883 58380 11418 Attention (msg rptd) Out	USB	(AB)

<b>E11a</b>	5779	22-11	1730	Thu	414/38 Attention 21628 82160 75320 ... 48132 72267 44060 Attention (msg rptd) Out	USB	(AB/MPJ)
<b>E11a</b>	9200	23-11	0600	Fri	180/28 Attention 55106 18679 52978 ... 45587 42548 67436 Attention (msg rptd) Out	USB	(AB)
<b>E11a</b>	20167	23-11	1225	Fri	521/36 Attention 94076 57447 83479 ... 05917 94420 74202 Attention (msg rptd) Out	USB	(AB-G/MPJ)
<b>E11a</b>	11107	24-11	2005	Sat	369/37 Attention ...	USB	(MPJ-AUT)
<b>E11a</b>	4505	25-11	1605	Sun	236/32 Attention 50394 43952 07905 ... 51193 09404 98834 Attention (msg rptd) Out	USB	(MPJ)
<b>E11a</b>	7840	27-11	0645	Tue	512/34 Attention 95556 76849 30561 ... 90801 64595 41354 Attention (msg rptd) Out	USB	(AB)
<b>E11a</b>	14611	27-11	0820	Tue	132/38 Attention 47083 19533 04344 ... 99848 16845 58335 Attention (msg rptd) Out	USB	(AB-QAT)
<b>E11a</b>	8800	27-11	1000	Tue	307/27 Attention 47857 04433 34009 ... 31960 56528 78622 Attention (msg rptd) Out	USB	(AB)
<b>E11a</b>	14611	28-11	0820	Wed	132/38 Attention 47083 19533 04344 ... 99848 16845 58335 Attention (msg rptd) Out	USB	(AB-QAT)
<b>E11a</b>	7840	29-11	0645	Thu	512/34 Attention 95556 76849 30561 ... 90801 64595 41354 Attention (msg rptd) Out	USB	(AB)
<b>E11a</b>	6849	29-11	1900	Thu	648/34 Attention 16168 66578 86389 ... 27257 07572 81277 Attention (msg rptd) Out	USB	(AB/MPJ)
<b>E11a</b>	8800	30-11	1000	Fri	307/27 Attention 47857 04433 34009 ... 31960 56528 78622 Attention (msg rptd) Out	USB	(AB)
<b>E17z</b>	11170	1-11	0800	Thu	674 839 5 11794 70552 56936 57989 05371 839 5 00000	USB	(AB/HFD)
<b>E17z</b>	9820	1-11	0810	Thu	674 839 5 11794 70552 56936 57989 05371 839 5 00000	USB	(AB/HFD)
<b>E17z</b>	11170	8-11	0800	Thu	674 839 5 11794 70552 56936 57989 05371 839 5 00000	USB	(AB)
<b>E17z</b>	9820	8-11	0810	Thu	674 839 5 11794 70552 56936 57989 05371 839 5 00000	USB	(AB)
<b>E17z</b>	11170	15-11	0800	Thu	674 985 10 33699 39998 30667 35947 43334 37545 30588 40244 44475 36871 985 10 00000	USB	(AB)
<b>E17z</b>	9820	15-11	0811	Thu	674 985 10 33699 39998 30667 35947 43334 37545 30588 40244 44475 36871 985 10 00000 Late start	USB	(AB)
<b>E17z</b>	11170	22-11	0800	Thu	674 985 10 33699 39998 30667 35947 43334 37545 30588 40244 44475 36871 985 10 00000	USB	(AB)
<b>E17z</b>	9820	22-11	0810	Thu	674 985 10 33699 39998 30667 35947 43334 37545 30588 40244 44475 36871 985 10 00000	USB	(AB)
<b>E17z</b>	11170	29-11	0800	Thu	674 674 674 00000	USB	(AB)
<b>E17z</b>	9820	29-11	0810	Thu	674 674 674 00000	USB	(AB)
<b>EGY</b>	14445.7	5-11	1334	Mon	Egyptian diplo i.p. Ends with UIIKDPDKJ OJ KBS RGK WDSSSFKZM HUX+?788HJKJ M	SITOR-A 100/170	(AB)
<b>EGY</b>	17426.7	7-11	0826	Wed	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
<b>EGY</b>	12829.7	24-11	1020	Sat	Egyptian diplo i.p. followed by Codan traffic on 12830 khz	SITOR-A 100/170	(AB)
<b>EGY</b>	12830	24-11	1100	Sat	99910: MFA Cairo clg 33307: Egyptian embassy Dakar followed by Codan traffic for more than 3 hours !	Codan chirp	(AB)
<b>EGY</b>	16334.7	27-11	1204	Tue	Egyptian diplo i.p. followed by Codan traffic	SITOR-A 100/170	(AB)
<b>F01</b>	20741	2-11	2230	Fri	Russian diplo/intel. Header: 11177 00116 65148 02048 02079	FSK 200/500	(Danix-PRG)
<b>F01</b>	18702	2-11	2240	Fri	Russian diplo/intel. Header: 11177 00116 65148 02048 02079	FSK 200/500	(Danix-PRG)
<b>F01</b>	20741	2-11	2330	Fri	Russian diplo/intel. Header: 11177 00116 65148 02048 02079	FSK 200/500	(Danix-PRG)
<b>F01</b>	18702	2-11	2340	Fri	Russian diplo/intel. Header: 11177 00116 65148 02048 02079	FSK 200/500	(Danix-PRG)
<b>F01</b>	12101	5-11	0025	Mon	Russian diplo/intel. Header: 11177 00117 83407 02049 02439	FSK 200/500	(Danix-USA)
<b>F01</b>	9215	5-11	0035	Mon	Russian diplo/intel. Header: 11177 00117 83407 02049 02439	FSK 200/500	(Danix-USA)
<b>F01</b>	12101	5-11	0125	Mon	Russian diplo/intel. Header: 11177 00117 83407 02049 02439	FSK 200/500	(Danix-USA)
<b>F01</b>	9215	5-11	0135	Mon	Russian diplo/intel. Header: 11177 00117 83407 02049 02439	FSK 200/500	(Danix-USA)
<b>F01</b>	8172	7-11	1940	Wed	Russian diplo/intel. )576 100000+++++++162	FSK 200/500	(AB/RL/MPJ/HFD)
<b>F01</b>	6791	7-11	1950	Wed	Russian diplo/intel. )576 100000+++++++162	FSK 200/500	(AB/MPJ/HFD)
<b>F01</b>	4546	7-11	2000	Wed	Russian diplo/intel. )576 100000+++++++162	FSK 200/500	(AB/MPJ/HFD)

<b>F01</b>	20741	9-11	2230	Fri	Russian diplo/intel. Header: 11177 00116 68139 08049 01149	FSK 200/500	(Danix-USA)
<b>F01</b>	18702	9-11	2240	Fri	Russian diplo/intel. Header: 11177 00116 68139 08049 01149	FSK 200/500	(Danix-USA)
<b>F01</b>	20741	9-11	2330	Fri	Russian diplo/intel. Header: 11177 00116 68139 08049 01149	FSK 200/500	(Danix-USA)
<b>F01</b>	18702	9-11	2340	Fri	Russian diplo/intel. Header: 11177 00116 68139 08049 01149	FSK 200/500	(Danix-USA)
<b>F01</b>	20741	16-11	2230	Fri	Russian diplo/intel. Header: 11177 00116 45217 15050 02189	FSK 200/500	(Danix-PRG)
<b>F01</b>	18702	16-11	2240	Fri	Russian diplo/intel. Header: 11177 00116 45217 15050 02189	FSK 200/500	(Danix-PRG)
<b>F01</b>	20741	16-11	2330	Fri	Russian diplo/intel. Header: 11177 00116 45217 15050 02189	FSK 200/500	(Danix-PRG)
<b>F01</b>	18702	16-11	2340	Fri	Russian diplo/intel. Header: 11177 00116 45217 15050 02189	FSK 200/500	(Danix-PRG)
<b>F03a</b>	10200	1-11	0835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	1-11	0840	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	1-11	1800	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	1-11	1805	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	1-11	1830	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	1-11	1835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	5-11	1030	Mon	Polish intel.	FSK 100/200	(AB/LA6LU)
<b>F03a</b>	7837	5-11	1035	Mon	Polish intel.	FSK 100/200	(AB/LA6LU)
<b>F03a</b>	6906	5-11	1830	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	5-11	1835	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	6-11	0835	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	6-11	0840	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10728	6-11	0945	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10728	6-11	0950	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	6-11	1800	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	6-11	1805	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	7-11	1030	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	7-11	1035	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	8-11	0835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	8-11	0840	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	8-11	1800	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	8-11	1805	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	8-11	1830	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	8-11	1835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10728	9-11	0945	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10728	9-11	0950	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	12-11	1030	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	12-11	1035	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	12-11	1830	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	12-11	1835	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	13-11	0835	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	13-11	0840	Tue	Polish intel.	FSK 100/200	(AB)

F03a	10728	13-11	0945	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	13-11	0950	Tue	Polish intel.	FSK 100/200	(AB)
F03a	6480	13-11	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	6480	13-11	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7837	14-11	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7837	14-11	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	10200	15-11	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10200	15-11	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	15-11	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	15-11	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	15-11	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	15-11	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	16-11	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	16-11	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03a	7837	19-11	1030	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7837	19-11	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	19-11	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	19-11	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7837	21-11	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7837	21-11	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	10200	22-11	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10200	22-11	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	22-11	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	22-11	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	22-11	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	22-11	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	23-11	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	23-11	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03a	7837	26-11	1025	Mon	Polish intel. Test tones at 1025z but no transmission heard	FSK 100/200	(AB)
F03a	6906	26-11	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	26-11	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	10200	27-11	0835	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10200	27-11	0840	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	27-11	0945	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10728	27-11	0950	Tue	Polish intel.	FSK 100/200	(AB)
F03a	6480	27-11	1800	Tue	Polish intel.	FSK 100/200	(AB)
F03a	6480	27-11	1805	Tue	Polish intel.	FSK 100/200	(AB)
F03a	7837	28-11	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7837	28-11	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	6480	29-11	1800	Thu	Polish intel.	FSK 100/200	(AB)

F03a	6480	29-11	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	29-11	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	29-11	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10728	30-11	0945	Fri	Polish intel.	FSK 100/200	(AB)
F03a	10728	30-11	0950	Fri	Polish intel.	FSK 100/200	(AB)
F03b	5371	1-11	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	1-11	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	7-11	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	7-11	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	8-11	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	8-11	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	14-11	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	14-11	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	15-11	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	15-11	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	21-11	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	21-11	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	22-11	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	22-11	0915	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	22-11	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	22-11	0920	Thu	Polish intel.	FSK 200/400	(AB)
F03b	5371	28-11	0915	Wed	Polish intel.	FSK 200/400	(AB)
F03b	5371	28-11	0920	Wed	Polish intel.	FSK 200/400	(AB)
F03c	8800	2-11	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	2-11	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	9-11	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	9-11	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	12-11	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	12-11	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	16-11	0940	Fri	Polish intel.	FSK 400/960	(AB)
F03c	8800	16-11	0945	Fri	Polish intel.	FSK 400/960	(AB)
F03c	8800	23-11	0940	Fri	Polish intel.	FSK 400/960	(AB)
F03c	8800	23-11	0945	Fri	Polish intel.	FSK 400/960	(AB)
F03c	8800	26-11	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	26-11	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	30-11	0940	Fri	Polish intel.	FSK 400/960	(AB)
F03c	8800	30-11	0945	Fri	Polish intel.	FSK 400/960	(AB)
F06	11162	1-11	1320	Thu	Russian diplo/intel. Test: 46464646464646 46464646464646	FSK 200/1000	(AB)
F06	11162	1-11	1330	Thu	Russian diplo/intel. 11166 80214 58236 01074 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9915	1-11	1340	Thu	Russian diplo/intel. 11166 80214 58236 01074 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)



F06	8187	1-11	1350	Thu	Russian diplo/intel. 11166 80214 58236 01074 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17416	3-11	1100	Sat	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB/Danix)
F06	15605	3-11	1110	Sat	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB/Danix)
F06	13373	3-11	1120	Sat	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB/Danix)
F06	22871	3-11	1500	Sat	Russian diplo/intel. 11166 40133 56248 03001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix-RUS/MPJ)
F06	20629	3-11	1510	Sat	Russian diplo/intel. 11166 40133 56248 03001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix-RUS/MPJ)
F06	18553	3-11	1520	Sat	Russian diplo/intel. 11166 40133 56248 03001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix-RUS/RL/MPJ)
F06	17416	4-11	1100	Sun	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB)
F06	15605	4-11	1110	Sun	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB)
F06	13373	4-11	1120	Sun	Russian diplo/intel. Header: 11166 50046 39716 02061 02089	FSK 200/1000	(AB)
F06	10644	4-11	1520	Sun	Russian diplo/intel. Test: 464646464646 464646464646	FSK 200/1000	(AB)
F06	10644	4-11	1530	Sun	Russian diplo/intel. 11166 10053 13579 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8159	4-11	1540	Sun	Russian diplo/intel. 11166 10053 13579 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7438	4-11	1550	Sun	Russian diplo/intel. 11166 10053 13579 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7656	5-11	0500	Mon	Russian diplo/intel. 11166 70059 97531 05020 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	6778	5-11	0510	Mon	Russian diplo/intel. 11166 70059 97531 05020 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	5361	5-11	0520	Mon	Russian diplo/intel. 11166 70059 97531 05020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10536	6-11	1650	Tue	Russian diplo/intel. 11166 10053 79513 06015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8174	6-11	1700	Tue	Russian diplo/intel. 11166 10053 79513 06015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7318	6-11	1710	Tue	Russian diplo/intel. 11166 10053 79513 06015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20082	7-11	0600	Wed	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	18207	7-11	0610	Wed	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	16141	7-11	0620	Wed	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	19104	7-11	0800	Wed	Russian diplo/intel. 11166 70048 36925 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	7-11	0810	Wed	Russian diplo/intel. 11166 70048 36925 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15603	7-11	0820	Wed	Russian diplo/intel. 11166 70048 36925 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20082	8-11	0600	Thu	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	18207	8-11	0610	Thu	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	16141	8-11	0620	Thu	Russian diplo/intel. Header: 11166 40122 96852 03002 04419	FSK 200/1000	(AB-NZL)
F06	11162	8-11	1330	Thu	Russian diplo/intel. 11166 80214 82465 08061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9915	8-11	1340	Thu	Russian diplo/intel. 11166 80214 82465 08061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8187	8-11	1350	Thu	Russian diplo/intel. 11166 80214 82465 08061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14988	10-11	0900	Sat	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(Danix)
F06	13366	10-11	0910	Sat	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(Danix)
F06	11404	10-11	0920	Sat	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(Danix)
F06	20868	10-11	1000	Sat	Russian diplo/intel. 11166 70004 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	18259	10-11	1010	Sat	Russian diplo/intel. 11166 70004 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16113	10-11	1020	Sat	Russian diplo/intel. 11166 70004 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17416	10-11	1100	Sat	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/MPJ/Danix)



<b>F06</b>	15605	10-11	1110	Sat	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	13373	10-11	1120	Sat	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	22871	10-11	1500	Sat	Russian diplo/intel. 11166 40133 45698 10258 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix)
<b>F06</b>	20629	10-11	1510	Sat	Russian diplo/intel. 11166 40133 45698 10258 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS/Danix)
<b>F06</b>	18553	10-11	1520	Sat	Russian diplo/intel. 11166 40133 45698 10258 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS/Danix)
<b>F06</b>	14988	11-11	0900	Sun	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(AB/Danix)
<b>F06</b>	13366	11-11	0910	Sun	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(AB/Danix)
<b>F06</b>	11404	11-11	0920	Sun	Russian diplo/intel. Header: 11166 70147 15432 09093 01229	FSK 200/1000	(AB/Danix)
<b>F06</b>	17416	11-11	1100	Sun	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/Danix)
<b>F06</b>	15605	11-11	1110	Sun	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/Danix)
<b>F06</b>	13373	11-11	1120	Sun	Russian diplo/intel. Header: 11166 50046 95741 09062 00629	FSK 200/1000	(AB/Danix)
<b>F06</b>	10644	11-11	1520	Sun	Russian diplo/intel. Test: 464646464646 464646464646	FSK 200/1000	(AB)
<b>F06</b>	10644	11-11	1530	Sun	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	8159	11-11	1540	Sun	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	7438	11-11	1550	Sun	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	10644	12-11	1530	Mon	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB)
<b>F06</b>	8159	12-11	1540	Mon	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB)
<b>F06</b>	7438	12-11	1550	Mon	Russian diplo/intel. Header: 11166 10053 36987 09064 01889	FSK 200/1000	(AB)
<b>F06</b>	8049	13-11	0030	Tue	Russian diplo/intel. Header: 11166 60070 13579 12074 03519	FSK 200/1000	(AB)
<b>F06</b>	6776	13-11	0040	Tue	Russian diplo/intel. Header: 11166 60070 13579 12074 03519	FSK 200/1000	(AB)
<b>F06</b>	5823	13-11	0050	Tue	Russian diplo/intel. Header: 11166 60070 13579 12074 03519	FSK 200/1000	(AB)
<b>F06</b>	10536	13-11	1650	Tue	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(Danix/MPJ)
<b>F06</b>	8174	13-11	1700	Tue	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(Danix/MPJ)
<b>F06</b>	7318	13-11	1710	Tue	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(Danix/MPJ)
<b>F06</b>	20082	14-11	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-NZL)
<b>F06</b>	18207	14-11	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-INS)
<b>F06</b>	16141	14-11	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-J)
<b>F06</b>	19104	14-11	0800	Wed	Russian diplo/intel. 11166 70048 15987 14057 00049 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	17428	14-11	0810	Wed	Russian diplo/intel. 11166 70048 15987 14057 00049 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	15603	14-11	0820	Wed	Russian diplo/intel. 11166 70048 15987 14057 00049 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	20349	14-11	1015	Wed	Russian diplo/intel. 11166 10031 78963 14001 00049 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	18573	14-11	1025	Wed	Russian diplo/intel. 11166 10031 78963 14001 00049 00000 00000 00000	FSK 200/1000	(AB/RL)
<b>F06</b>	16245	14-11	1035	Wed	Russian diplo/intel. 11166 10031 78963 14001 00049 00000 00000 00000	FSK 200/1000	(AB/RL)
<b>F06</b>	10536	14-11	1650	Wed	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(AB)
<b>F06</b>	8174	14-11	1700	Wed	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(AB)

<b>F06</b>	7318	14-11	1710	Wed	Russian diplo/intel. Header: 11166 10053 48237 12068 01669	FSK 200/1000	(AB)
<b>F06</b>	20082	15-11	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-NZL)
<b>F06</b>	18207	15-11	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-J)
<b>F06</b>	16141	15-11	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 85231 10003 02679 16308 and 11166 40122 16349 10004 02699	FSK 200/1000	(AB-J)
<b>F06</b>	20288	15-11	0900	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB)
<b>F06</b>	18404	15-11	0910	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB)
<b>F06</b>	16266	15-11	0920	Thu	Russian diplo/intel. Header: 11166 00052 75418 09032 02769	FSK 200/1000	(AB)
<b>F06</b>	11162	15-11	1330	Thu	Russian diplo/intel. 11166 80214 85214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ-AUT)
<b>F06</b>	9915	15-11	1340	Thu	Russian diplo/intel. 11166 80214 85214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ-AUT)
<b>F06</b>	8187	15-11	1350	Thu	Russian diplo/intel. 11166 80214 85214 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ-AUT)
<b>F06</b>	17416	17-11	1100	Sat	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	15605	17-11	1110	Sat	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	13373	17-11	1120	Sat	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	22871	17-11	1500	Sat	Russian diplo/intel. 11166 40133 14279 17038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ/Danix-RUS)
<b>F06</b>	20629	17-11	1510	Sat	Russian diplo/intel. 11166 40133 14279 17038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ/Danix-RUS)
<b>F06</b>	18553	17-11	1520	Sat	Russian diplo/intel. 11166 40133 14279 17038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ/Danix-RUS)
<b>F06</b>	17416	18-11	1100	Sun	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/Danix)
<b>F06</b>	15605	18-11	1110	Sun	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/Danix)
<b>F06</b>	13373	18-11	1120	Sun	Russian diplo/intel. Header: 11166 50046 15987 16063 01089	FSK 200/1000	(AB/Danix)
<b>F06</b>	10644	18-11	1520	Sun	Russian diplo/intel. Test: 464646464646 464646464646	FSK 200/1000	(AB)
<b>F06</b>	10644	18-11	1530	Sun	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	8159	18-11	1540	Sun	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	7438	18-11	1550	Sun	Russian diplo/intel. 11166 10053 78963 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	7656	19-11	0500	Mon	Russian diplo/intel. 11166 70059 78963 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6778	19-11	0510	Mon	Russian diplo/intel. 11166 70059 78963 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5361	19-11	0520	Mon	Russian diplo/intel. 11166 70059 78963 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	8049	20-11	0030	Tue	Russian diplo/intel. 11166 60070 56248 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6776	20-11	0040	Tue	Russian diplo/intel. 11166 60070 56248 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5823	20-11	0050	Tue	Russian diplo/intel. 11166 60070 56248 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	10536	20-11	1650	Tue	Russian diplo/intel. 11166 10053 75398 20001 00049 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	8174	20-11	1700	Tue	Russian diplo/intel. 11166 10053 75398 20001 00049 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	7318	20-11	1710	Tue	Russian diplo/intel. 11166 10053 75398 20001 00049 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	20082	21-11	0600	Wed	Russian diplo/intel. 11166 40122 57802 21037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
<b>F06</b>	18207	21-11	0610	Wed	Russian diplo/intel. 11166 40122 57802 21037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)

F06	16141	21-11	0620	Wed	Russian diplo/intel. 11166 40122 57802 21037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	19104	21-11	0800	Wed	Russian diplo/intel. 11166 70048 28563 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	21-11	0810	Wed	Russian diplo/intel. 11166 70048 28563 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15603	21-11	0820	Wed	Russian diplo/intel. 11166 70048 28563 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11162	22-11	1330	Thu	Russian diplo/intel. 11166 80214 82465 22059 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	9915	22-11	1340	Thu	Russian diplo/intel. 11166 80214 82465 22059 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	8187	22-11	1350	Thu	Russian diplo/intel. 11166 80214 82465 22059 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	20868	24-11	1000	Sat	Russian diplo/intel. 11166 70004 85296 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	18259	24-11	1010	Sat	Russian diplo/intel. 11166 70004 85296 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16113	24-11	1020	Sat	Russian diplo/intel. 11166 70004 85296 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17416	24-11	1100	Sat	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	17416	24-11	1100	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	15605	24-11	1110	Sat	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	13373	24-11	1120	Sat	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	22871	24-11	1500	Sat	Russian diplo/intel. 11166 40133 74185 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	20629	24-11	1510	Sat	Russian diplo/intel. 11166 40133 74185 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	18553	24-11	1520	Sat	Russian diplo/intel. 11166 40133 74185 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	17416	25-11	1100	Sun	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	15605	25-11	1110	Sun	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	13373	25-11	1120	Sun	Russian diplo/intel. Header: 11166 50046 48791 23064 02109	FSK 200/1000	(AB/MPJ)
F06	10644	25-11	1520	Sun	Russian diplo/intel. Test: 46464646464646 46464646464646	FSK 200/1000	(AB)
F06	10644	25-11	1530	Sun	Russian diplo/intel. 11166 10053 17935 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8159	25-11	1540	Sun	Russian diplo/intel. 11166 10053 17935 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7438	25-11	1550	Sun	Russian diplo/intel. 11166 10053 17935 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8049	27-11	0030	Tue	Russian diplo/intel. 11166 60070 78963 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6776	27-11	0040	Tue	Russian diplo/intel. 11166 60070 78963 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5823	27-11	0050	Tue	Russian diplo/intel. 11166 60070 78963 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10536	27-11	1650	Tue	Russian diplo/intel. 11166 10053 79642 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	8174	27-11	1700	Tue	Russian diplo/intel. 11166 10053 79642 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/w.obj/MPJ)
F06	7318	27-11	1710	Tue	Russian diplo/intel. 11166 10053 79642 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20082	28-11	0600	Wed	Russian diplo/intel. Header: 11166 40122 74109 24005 03089	FSK 200/1000	(AB-J)
F06	18207	28-11	0610	Wed	Russian diplo/intel. Header: 11166 40122 74109 24005 03089	FSK 200/1000	(AB-J)
F06	16141	28-11	0620	Wed	Russian diplo/intel. Header: 11166 40122 74109 24005 03089	FSK 200/1000	(AB-J)
F06	19104	28-11	0800	Wed	Russian diplo/intel. 11166 70048 26497 28061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	28-11	0810	Wed	Russian diplo/intel. 11166 70048 26497 28061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15603	28-11	0820	Wed	Russian diplo/intel. 11166 70048 26497 28061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20288	28-11	0900	Wed	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
F06	18404	28-11	0910	Wed	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
F06	16266	28-11	0920	Wed	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
F06	20349	28-11	1015	Wed	Russian diplo/intel. 11166 10031 96325 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

<b>F06</b>	18573	28-11	1025	Wed	Russian diplo/intel. 11166 10031 96325 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	16245	28-11	1035	Wed	Russian diplo/intel. 11166 10031 96325 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	20288	29-11	0900	Thu	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
<b>F06</b>	18404	29-11	0910	Thu	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
<b>F06</b>	16266	29-11	0920	Thu	Russian diplo/intel. Header: 11166 00052 74391 27033 01649	FSK 200/1000	(AB)
<b>F06</b>	11162	29-11	1330	Thu	Russian diplo/intel. 11166 80214 15386 29063 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	9915	29-11	1340	Thu	Russian diplo/intel. 11166 80214 15386 29063 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
<b>F06</b>	8187	29-11	1350	Thu	Russian diplo/intel. 11166 80214 15386 29063 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
<b>F11</b>	9370	5-11	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	5-11	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	6807	6-11	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	6-11	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	7-11	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	7-11	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	6807	7-11	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	7-11	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	12-11	0845	Mon	0353 0353 0353 0353 0353 88888 88888 39949 38497 80503 ... 54447 35564 97404 88888 88888 00039 00039 (group count should be 43)	FSK 100/620	(AB)
<b>F11</b>	9370	12-11	0850	Mon	0353 0353 0353 0353 0353 88888 88888 39949 38497 80503 ... 54447 35564 97404 88888 88888 00039 00039 (group count should be 43)	FSK 100/620	(AB)
<b>F11</b>	6807	13-11	1150	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	13-11	1155	Tue	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	14-11	0845	Wed	0353 0353 0353 0353 0353 88888 88888 39949 38497 80503 ... 54447 35564 97404 88888 88888 00043 00043	FSK 100/620	(AB)
<b>F11</b>	9370	14-11	0850	Wed	0353 0353 0353 0353 0353 88888 88888 39949 38497 80503 ... 54447 35564 97404 88888 88888 00043 00043	FSK 100/620	(AB)
<b>F11</b>	6807	14-11	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	14-11	1155	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)

<b>F11</b>	9370	19-11	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	19-11	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	21-11	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	21-11	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	26-11	0845	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	26-11	0850	Mon	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	28-11	0845	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>F11</b>	9370	28-11	0850	Wed	0353 0353 0353 0353 0353 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB)
<b>G06</b>	5320	5-11	0800	Mon	329 329 329 00000	USB	(AB/HFD)
<b>G06</b>	3740	5-11	1604	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3740	5-11	1606	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3740	5-11	1659	Mon	938 938 938 00000	USB	(AB/MPJ/HFD)
<b>G06</b>	3740	5-11	1704	Mon	111 111	USB	(AB)
<b>G06</b>	4490	5-11	1759	Mon	938 938 938 00000	USB	(AB/MPJ/HFD)
<b>G06</b>	4920	7-11	1200	Wed	938 938 938 00000	USB	(MPJ/HFD)
<b>G06</b>	4202	7-11	1259	Wed	938 938 938 00000	USB	(AB-POL/MPJ)
<b>G06</b>	4460	8-11	1300	Thu	329 329 329 00000	USB	(MPJ/HFD)
<b>G06</b>	4519	8-11	1829	Thu	271 289 54 12345 89657 45632 ...64618 84021 72492 289 54 00000	USB	(AB/MPJ)
<b>G06</b>	4792	9-11	1928	Fri	436 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 Windows XP shutdown sound	USB	(AB/MPJ/BW3-HOL/HFD)
<b>G06</b>	3740	12-11	1604	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3740	12-11	1659	Mon	938 938 938 00000	USB	(AB)
<b>G06</b>	4490	12-11	1800	Mon	938 938 938 00000	USB	(AB/MPJ)
<b>G06</b>	4912	14-11	1200	Wed	938 938 938 00000	USB	(AB/MPJ)
<b>G06</b>	4042	14-11	1300	Wed	938 938 938 00000	USB	(AB-POL)
<b>G06</b>	5320	19-11	0751	Mon	11	USB	(AB-POL)
<b>G06</b>	5320	19-11	0800	Mon	329 329 329 00000	USB	(AB-POL)
<b>G06</b>	4460	22-11	1300	Thu	329 329 329 00000	USB	(AB-POL)
<b>G06</b>	4519	22-11	1829	Thu	271 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000	USB	(AB/MPJ)
<b>G06</b>	4792	23-11	1930	Fri	436 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000	USB	(AB/MPJ)
<b>HM01</b>	11435	1-11	1600	Thu	76813 48131 74746 34442 58778 18481 (Repeating the groups of 10 Sept)	AM/RDFT	(RR2)
<b>HM01</b>	9330	2-11	0700	Fri	86421 20046 70303 08038 03625 12747 Files: 31181274.TXT 30210362.TXT 12470803.TXT	AM/RDFT	(AB)

					55787030.TXT 50432004.F1C 26288642.TXT		
HM01	9065	2-11	0800	Fri	86421 20046 70303 08038 03625 12747 Files: 31181274.TXT 30210362.TXT 12470803.TXT 55787030.TXT 50432004.F1C 26288642.TXT	AM/RDFT	(AB)
HM01	9240	2-11	0900	Fri	86421 20046 70303 08038 03625 12747 Files: 31181274.TXT 30210362.TXT 12470803.TXT 55787030.TXT 50432004.F1C 26288642.TXT	AM/RDFT	(AB)
HM01	9155	2-11	1000	Fri	86421 20046 70303 08038 03625 12747 Files: 31181274.TXT 30210362.TXT 12470803.TXT 55787030.TXT 50432004.F1C 26288642.TXT	AM/RDFT	(AB)
HM01	11435	2-11	1617	Fri	Late start 86422 20047 70304 81001 03626 64881	AM/RDFT	(RR2)
HM01	11635	2-11	2100	Fri	86422 20047 70304 81001 03626 64881	AM/RDFT	(RL)
HM01	10715	2-11	2200	Fri	86422 20047 70304 81001 03626 64881	AM/RDFT	(RL)
HM01	11435	3-11	1600	Sat	86423 20048 70305 81001 03627 64881	AM/RDFT	(RR2)
HM01	11435	4-11	1600	Sun	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	10715	4-11	2200	Sun	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(Dan)
HM01	10345	5-11	0600	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9240	5-11	0900	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	5-11	1000	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(AB/RL/LA6LU)
HM01	11435	5-11	1600	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	10715	5-11	2100	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11635	5-11	2200	Mon	86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	6-11	1600	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	9330	7-11	0700	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	7-11	1600	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	10715	7-11	2200	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	8-11	1600	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	8-11	2100	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	17480	8-11	2200	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	9-11	1600	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2/BW3)
HM01	11530	9-11	1700	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(BW3)
HM01	11635	9-11	1758	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(BW3)
HM01	11635	9-11	2100	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	10715	9-11	2200	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	10-11	1600	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	10-11	2100	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	17480	10-11	2200	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	11-11	1600	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11635	11-11	2100	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) Files decoded: 25288642.txt 55787030.txt 302100362.txt 20216488.txt	AM/RDFT	(RL/BW3)
HM01	10715	11-11	2200	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	9155	12-11	1000	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	12-11	1600	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)



HM01	11635	12-11	1800	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(BW3)
HM01	11462	13-11	0900	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	13-11	1600	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	13-11	2100	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov).	AM/RDFT	(RL)
HM01	17480	13-11	2200	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL/Dan)
HM01	9065	14-11	0800	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	14-11	1600	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2/BW3)
HM01	10715	14-11	2200	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	15-11	1600	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	15-11	2100	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	17480	15-11	2200	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	9065	16-11	0800	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	16-11	1000	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11635	16-11	1800	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11435	17-11	1600	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	17480	17-11	2200	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	9240	18-11	0900	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	18-11	1600	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2/BW3)
HM01	11530	18-11	1729	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(CTy)
HM01	9330	19-11	0700	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9065	19-11	0800	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	19-11	1600	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	9065	21-11	0800	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9240	21-11	0900	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	21-11	1000	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	21-11	1600	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11435	22-11	1600	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	17480	22-11	2200	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(Dan/RL)
HM01	9330	23-11	0700	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9065	23-11	0800	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	23-11	1000	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	23-11	1600	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11635	23-11	2100	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	10715	23-11	2200	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	11435	24-11	1600	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11530	24-11	1700	Sat	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(BW3)
HM01	9240	25-11	0900	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	25-11	1600	Sun	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	9330	26-11	0700	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9240	26-11	0910	Mon	i.p. 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)

HM01	11435	26-11	1600	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11635	26-11	1800	Mon	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(BW3)
HM01	11435	27-11	1600	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	27-11	2100	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	17480	27-11	2200	Tue	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	9330	28-11	0700	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9065	28-11	0800	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9240	28-11	0900	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	28-11	1000	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	28-11	1015	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(JoeKN)
HM01	11435	28-11	1600	Wed	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	11435	29-11	1600	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	16180	29-11	2100	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	17480	29-11	2200	Thu	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
HM01	9330	30-11	0700	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9065	30-11	0800	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	9155	30-11	1000	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(AB)
HM01	11435	30-11	1600	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RR2)
HM01	10715	30-11	2200	Fri	86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov)	AM/RDFT	(RL)
M01	5320	1-11	1800	Thu	197 534 534 = 30 30 = 34887 62813 ... 42559 46845 = 534 534 = = 30 30 000	CW	(AB-RUS)
M01	4490	1-11	2000	Thu	197 764 764 30 30 = = 92880 07030 43436 ... 39166 21318 71084 = = 764 764 30 30 000	CW	(MPJ)
M01	5810	3-11	1500	Sat	197 657 657 30 30 = = = 41663 56522 33930 ... 73338 50879 22664 = = = 657 657 30 30 000	CW	(MPJ)
M01	5320	6-11	1800	Tue	197 321 321 30 30 = = 77550 43415 52719 ... 67197 59640 97153 = = 321 321 30 30 000	CW	(AB/MPJ)
M01	4490	6-11	2000	Tue	197 317 317 30 30 = = 67951 44165 65731 ... 44420 70979 46409 = = 317 317 30 30 000	CW	(AB/MPJ/HFD)
M01	5320	8-11	1750	Thu	at 1750z: VVV VVV VVV VVV, 1751z: VVV VVV VVV, 1755z: 1	CW	(AB)
M01	5320	8-11	1800	Thu	197 141 141 30 30 SK SK 13371 94320 52683 ... 70255 54508 55432 SK SK 141 141 30 30 000	CW	(AB/MPJ)
M01	4490	8-11	2000	Thu	197 229 229 30 30 SK SK 51849 96209 32731 ... 64411 78518 41247 SK SK 229 229 30 30 000	CW	(AB/MPJ)
M01	5810	10-11	1500	Sat	197 521 521 30 30 = = 28331 __982 2846_ ... 43603 85170 41540 = = 521 521 30 30 000	CW	(MPJ/HFD)
M01	5465	11-11	0700	Sun	197 721 721 30 30 = = = 91788 09563 24697 ... 06144 00490 63650 = = = 721 721 30 30 000	CW	(AB)
M01	4490	13-11	2000	Tue	197 Too weak to copy	CW	(MPJ)
M01	5814.5	17-11	1500	Sat	VV 197 441 441 = = 30.. 555 899280 L 555 11860 11860 04325 015264379 555 637976 555 ... = = 441 441 - 30 30 000 Freq is spur of QRMD 5180 kHz. Started late	CW	(MPJ)
M01	5465	18-11	0700	Sun	VVV VV 197 397 397 30 30 = = 03260 504881 (50481) 27651 ... 78685 87983 96401 = = 397 397 30 30 000	CW	(AB)
M01	5320	20-11	1800	Tue	197 132 132 TV = = 68008 54301 04847 ... 71772 75611 96531 = = 132 132 30 30 000	CW	(MPJ/HDS)
M01	4490	20-11	2000	Tue	197 243 243 30 30 = 90389 52859 37234 ... 40045 98214 75832 = = 243 243 30 30 000	CW	(AB/MPJ)
M01	5320	22-11	1800	Thu	197 717 717 30 30 = = 63699 42455 60883 ... 60353 58878 43711 = = 717 717 30 30 000	CW	(AB-AUT/MPJ)
M01	4490	22-11	2000	Thu	197 727 727 30 30 = = 58640 00514 91704 ... 55286 68700 62982 = = 727 727 30 30 000	CW	(AB/MPJ)
M01	5810	24-11	1500	Sat	197 135 135 30 30 = = 07269 90181 93725 ... 04190 42041 28537 = = 135 135 30 30 000	CW	(AB-RUS/MPJ)
M01	5465	25-11	0700	Sun	197 248 248 = 30 30 0 = 53560 71575 61897 ... 86413 74418 17813 = = 248 248 = 3030 000	CW	(AB/HFD)



					Many errors, incomplete repeats and a mess of groups 19-22). On purpose or just a bad operator?		
<b>M01</b>	5320	27-11	1748	Tue	VVVVVVVVVVV	CW	(AB)
<b>M01</b>	5320	27-11	1800	Tue	197 529 529 30 30 == 92043 59983 60206 ... 30504 30317 93204 == 529 529 30 30 000	CW	(AB)
<b>M01</b>	4490	27-11	2000	Tue	197 399 399 30 30 == 47297 19825 88682 ... 12888 16624 10662 == 399 399 30 30 000	CW	(MPJ)
<b>M01</b>	5320	29-11	1800	Thu	197..(.) 197 .. 542 542 = 30 30 51926 53419 25622 (25629) ... 13677 58836 31970 == 542 542 = 30 30 000	CW	(AB/MPJ)
<b>M01b</b>	2470	1-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3545 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3535	1-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2470 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2435	5-11	1910	Mon	Carriers present. Traffic too weak to copy //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	5-11	1910	Mon	Carriers present. Traffic too weak to copy //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2425	5-11	2015	Mon	375 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000	MCW	(MPJ-HOL)
<b>M01b</b>	3545	8-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2470 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2655	9-11	2003	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3195 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3195	9-11	2003	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2655 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2435	12-11	1910	Mon	853 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	12-11	1910	Mon	853 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2425	12-11	2015	Mon	375 ... (becomes uncopiable)	MCW	(MPJ-HOL)
<b>M01b</b>	3545	15-11	1932	Thu	Active but not copiable	MCW	(MPJ)
<b>M01b</b>	2655	16-11	2002	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3195 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3195	16-11	2002	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2655 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2435	19-11	1910	Mon	853 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	19-11	1910	Mon	853 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2425	19-11	2015	Mon	Uncopiable	MCW	(MPJ-HOL)
<b>M01b</b>	2470	22-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3545 kHz	MCW	(MPJ)
<b>M01b</b>	3545	22-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2470 kHz	MCW	(MPJ)
<b>M01b</b>	3195	23-11	2002	Fri	Off-freq carrier near 3195 kHz-no Morse	MCW	(MPJ)

<b>M01b</b>	3520	26-11	1910	Mon	853 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000	MCW	(MPJ)
<b>M01b</b>	2425	26-11	2015	Mon	375 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3205 kHz	MCW	(MPJ-AUT)
<b>M01b</b>	3205	26-11	2015	Mon	375 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2425 kHz	MCW	(MPJ-AUT)
<b>M01b</b>	2470	29-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3545 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3545	29-11	1932	Thu	910 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2470 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2655	30-11	2002	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //3195 kHz	MCW	(MPJ-HOL/HFD-POL)
<b>M01b</b>	3195	30-11	2002	Fri	866 325 325 32 32 == 13003 07208 56145 ... 40502 00858 85952 == 325 325 32 32 000 //2655 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3180	30-11	2110	Fri	610 very weak	CW	(HFD-EST)
<b>M08a</b>	8136	13-11	2300	Tue	1st msg i.p. followed by: NNDIN NNDIN NNDIN NNDIN NNDIN == = IDRID GWNTD UIRIG etc + + + and DWRAA DWRAA DWRAA DWRAA DWRAA == = TN0AD RNINT ANGGD etc + + + SK	CW	(RL)
<b>M08a</b>	8096	15-11	1356	Thu	150 group messages to AWAWA, NGUIN, DNGAN	CW	(AB-USA)
<b>M08a</b>	8096	19-11	1429	Mon	Message	CW	(SDX)
<b>M08a</b>	8096	20-11	1340	Tue	i.p.	CW	(SDX)
<b>M08a</b>	8096	21-11	1429	Wed	5LG messages until 1429 UTC	CW	(SDX)
<b>M08a</b>	8096	23-11	1354	Fri	5LG messages	CW	(SDX)
<b>M08a</b>	8136	27-11	2300	Tue	i.p. gwuni ttudu iriah ghurn ... ruitf arggn uunwg + + +	CW	(RL)
<b>M08a</b>	8096	29-11	1358	Thu	i.p.	CW	(SDX)
<b>M08a</b>	8096	30-11	1400	Fri	5LGs	CW	(SDX)
<b>M08a</b>	8136	30-11	2257	Fri	i.p. tdndt ittai aaug graui irwmu tiuag uiwir nanrd gtwtg tgntu ...	CW	(RL)
<b>M12</b>	14703	1-11	0100	Thu	791 791 791 000	CW	(SDX)
<b>M12</b>	14703	1-11	0100	Thu	791 791 791 000	CW	(SDX)
<b>M12</b>	13903	1-11	0120	Thu	791 791 791 000	CW	(SDX)
<b>M12</b>	13903	1-11	0120	Thu	791 791 791 000	CW	(SDX)
<b>M12</b>	15869	1-11	1010	Thu	847 847 847 000	CW	(AB)
<b>M12</b>	17469	1-11	1030	Thu	847 847 847 000	CW	(AB)
<b>M12</b>	10343	1-11	1900	Thu	124 124 124 1 6646 115 6646 115 13240 55164 83107 ... 12658 63641 58527 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	9264	1-11	1920	Thu	124 124 124 1 6646 115 6646 115 13240 55164 83107 ... 12658 63641 58527 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	8116	1-11	1940	Thu	124 124 124 1 6646 115 6646 115 13240 55164 83107 ... 12658 63641 58527 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	7536	2-11	2050	Fri	581 581 581 000	CW	(AB/RL)
<b>M12</b>	6836	2-11	2110	Fri	581 581 581 000	CW	(AB/RL)
<b>M12</b>	7637	3-11	0600	Sat	612 612 612 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	9137	3-11	0620	Sat	612 612 612 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	10237	3-11	0640	Sat	612 612 612 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	6859	3-11	2200	Sat	849 849 849 000	CW	(AB/RL)

<b>M12</b>	7459	3-11	2220	Sat	849 849 849 000	CW	(AB/RL)
<b>M12</b>	15869	4-11	1010	Sun	847 847 847 000	CW	(AB)
<b>M12</b>	17469	4-11	1030	Sun	847 847 847 000	CW	(AB)
<b>M12</b>	16296	5-11	1400	Mon	273 273 273 1 541 107 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(AB-RUS/MPJ)
<b>M12</b>	14796	5-11	1420	Mon	273 273 273 1 541 107 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(AB-RUS/MPJ)
<b>M12</b>	13396	5-11	1440	Mon	273 273 273 1 541 107 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(AB-RUS/MPJ)
<b>M12</b>	8047	5-11	1800	Mon	463 463 463 1 342 98 342 98 38318 76609 20986 ... 16378 46689 29599 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	6802	5-11	1820	Mon	463 463 463 1 342 98 342 98 38318 76609 20986 ... 16378 46689 29599 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	5788	5-11	1840	Mon	463 463 463 1 342 98 342 98 38318 76609 20986 ... 16378 46689 29599 000 000	CW	(AB/MPJ/HFD)
<b>M12</b>	10343	5-11	2000	Mon	124 1 7937 105 65619 94712 93332 ... 88495 73972 89275 000 000	CW	(MPJ)
<b>M12</b>	9264	5-11	2020	Mon	124 1 7937 105 65619 94712 93332 ... 88495 73972 89275 000 000	CW	(MPJ)
<b>M12</b>	6937	5-11	2210	Mon	975 975 975 000	CW	(AB/RL)
<b>M12</b>	5737	5-11	2230	Mon	975 975 975 000	CW	(AB/RL)
<b>M12</b>	13936	7-11	1310	Wed	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB)
<b>M12</b>	12136	7-11	1330	Wed	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB)
<b>M12</b>	11536	7-11	1350	Wed	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB)
<b>M12</b>	16296	7-11	1400	Wed	273 1 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(MPJ)
<b>M12</b>	14796	7-11	1420	Wed	273 1 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(MPJ)
<b>M12</b>	13396	7-11	1440	Wed	273 1 541 107 03657 93278 95577 ... 25919 07383 53042 000 000	CW	(MPJ)
<b>M12</b>	7536	7-11	2050	Wed	581 581 581 000	CW	(AB/RL/HFD)
<b>M12</b>	6836	7-11	2110	Wed	581 581 581 000	CW	(AB/RL/HFD)
<b>M12</b>	5429	7-11	2200	Wed	460 460 460 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	4629	7-11	2220	Wed	460 460 460 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	4029	7-11	2240	Wed	460 460 460 1 377 77 377 77 11795 73907 13611 ... 60437 44693 65167 000 000	CW	(AB)
<b>M12</b>	15869	8-11	1010	Thu	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000	CW	(AB)
<b>M12</b>	17469	8-11	1030	Thu	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000 Stopped after the 21st group. Restarted with 847 847 847 1 and resumed with group 17.	CW	(AB)
<b>M12</b>	18769	8-11	1050	Thu	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000	CW	(AB)
<b>M12</b>	10343	8-11	1900	Thu	124 124 124 1 315 125 315 125 73010 46564 55141 ... 27248 09241 3934 000 000	CW	(AB-RUS/MPJ)
<b>M12</b>	9264	8-11	1920	Thu	124 124 124 1 315 125 315 125 73010 46564 55141 ... 27248 09241 3934 000 000	CW	(AB/MPJ)
<b>M12</b>	8116	8-11	1940	Thu	124 124 124 1 315 125 315 125 73010 46564 55141 ... 27248 09241 3934 000 000	CW	(AB/MPJ)
<b>M12</b>	13936	9-11	1310	Fri	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB/MPJ)
<b>M12</b>	12136	9-11	1330	Fri	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB/MPJ)
<b>M12</b>	11536	9-11	1350	Fri	915 915 915 1 389 71 389 71 81096 26966 14274 ... 20280 10348 74734 000 000	CW	(AB/MPJ)
<b>M12</b>	7536	9-11	2050	Fri	581 581 581 000	CW	(AB/ER-HOL/RL)
<b>M12</b>	6836	9-11	2110	Fri	581 581 581 000	CW	(AB/RL)
<b>M12</b>	6859	9-11	2200	Fri	849 849 849 1 8127 91 8127 91 86639 13849 28461 ... 31880 31982 42057 000 000	CW	(AB)
<b>M12</b>	6937	9-11	2210	Fri	975 975 975 000	CW	(RL)
<b>M12</b>	7459	9-11	2220	Fri	849 849 849 1 8127 91 8127 91 86639 13849 28461 ... 31880 31982 42057 000 000	CW	(AB)
<b>M12</b>	5737	9-11	2230	Fri	975 975 975 000	CW	(RL)

M12	7637	10-11	0600	Sat	612 612 612 000	CW	(AB)
M12	9137	10-11	0620	Sat	612 612 612 000	CW	(AB)
M12	6859	10-11	2200	Sat	849 849 849 1 8127 91 8127 91 86639 13849 28461 ... 31880 31982 42057 000 000	CW	(AB/RL)
M12	7459	10-11	2220	Sat	849 849 849 1 8127 91 8127 91 86639 13849 28461 ... 31880 31982 42057 000 000	CW	(AB)
M12	15869	11-11	1010	Sun	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000	CW	(AB/HFD)
M12	17469	11-11	1030	Sun	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000	CW	(AB/HFD)
M12	19769	11-11	1050	Sun	847 847 847 1 136 105 136 105 77915 07472 05975 ... 79539 38842 89585 000 000	CW	(AB/HFD)
M12	16296	12-11	1400	Mon	273 273 273 000	CW	(AB-AUT)
M12	14796	12-11	1420	Mon	273 273 273 000	CW	(AB-AUT)
M12	8047	12-11	1800	Mon	463 463 463 1 6004 98 6004 98 03714 58199 09460 ... 98805 96101 49869 000 000	CW	(AB/MPJ)
M12	6802	12-11	1820	Mon	463 463 463 1 6004 98 6004 98 03714 58199 09460 ... 98805 96101 49869 000 000	CW	(AB/MPJ)
M12	5788	12-11	1840	Mon	463 463 463 1 6004 98 6004 98 03714 58199 09460 ... 98805 96101 49869 000 000	CW	(AB/MPJ)
M12	10343	12-11	2000	Mon	124 124 124 1 8005 106 8005 106 67757 61053 73918 ... 58006 20015 87028 000 000	CW	(AB/MPJ)
M12	9264	12-11	2020	Mon	124 124 124 1 8005 106 8005 106 67757 61053 73918 ... 58006 20015 87028 000 000	CW	(AB/MPJ)
M12	8116	12-11	2040	Mon	124 124 124 1 8005 106 8005 106 67757 61053 73918 ... 58006 20015 87028 000 000	CW	(AB/MPJ)
M12	6937	12-11	2210	Mon	975 975 975 000	CW	(RL)
M12	5737	12-11	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	13936	14-11	1310	Wed	915 915 915 000	CW	(AB/MPJ)
M12	12136	14-11	1330	Wed	915 915 915 000	CW	(AB/MPJ)
M12	16296	14-11	1400	Wed	273 273 273 000	CW	(AB/MPJ)
M12	14796	14-11	1420	Wed	273 273 273 000	CW	(AB/MPJ)
M12	7536	14-11	2050	Wed	581 581 581 000	CW	(AB)
M12	6836	14-11	2110	Wed	581 581 581 000	CW	(AB/RL)
M12	5429	14-11	2200	Wed	460 460 460 000	CW	(AB/RL)
M12	4629	14-11	2220	Wed	460 460 460 000	CW	(AB/RL)
M12	15869	15-11	1010	Thu	847 847 847 000	CW	(AB)
M12	17469	15-11	1030	Thu	847 847 847 000	CW	(AB)
M12	10343	15-11	1900	Thu	124 124 124 1 1863 124 1863 124 00122 53641 59641 ... 64398 36291 68113 000 000	CW	(AB/MPJ-RUS)
M12	9264	15-11	1920	Thu	124 124 124 1 1863 124 1863 124 00122 53641 59641 ... 64398 36291 68113 000 000	CW	(AB/MPJ-RUS)
M12	8116	15-11	1940	Thu	124 124 124 1 1863 124 1863 124 00122 53641 59641 ... 64398 36291 68113 000 000	CW	(AB/MPJ-RUS)
M12	5737	15-11	2230	Thu	975 975 975 000	CW	(RL)
M12	13936	16-11	1310	Fri	915 915 915 000	CW	(AB/MPJ)
M12	12136	16-11	1330	Fri	915 915 915 000	CW	(AB/MPJ)
M12	7536	16-11	2050	Fri	581 581 581 000	CW	(AB/RL)
M12	6836	16-11	2110	Fri	581 581 581 000	CW	(AB/RL)
M12	6859	16-11	2200	Fri	849 849 849 000	CW	(AB/JPL/RL)
M12	7459	16-11	2220	Fri	849 849 849 000	CW	(AB)
M12	7637	17-11	0600	Sat	612 612 612 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB)
M12	9137	17-11	0620	Sat	612 612 612 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB)
M12	10237	17-11	0640	Sat	612 612 612 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB)

M12	6859	17-11	2200	Sat	849 849 849 000	CW	(AB/RL)
M12	7459	17-11	2220	Sat	849 849 849 000	CW	(AB)
M12	13483	18-11	0300	Sun	758 758 758 000	CW	(SDX)
M12	12183	18-11	0320	Sun	758 758 758 000	CW	(SDX)
M12	15869	18-11	1010	Sun	847 847 847 000	CW	(AB)
M12	17469	18-11	1030	Sun	847 847 847 000	CW	(AB)
M12	16296	19-11	1400	Mon	273 273 273 1 604 129 604 129 13201 13592 65344 ... 98127 48388 26650 000 000	CW	(AB/MPJ/HFD)
M12	14796	19-11	1420	Mon	273 273 273 1 604 129 604 129 13201 13592 65344 ... 98127 48388 26650 000 000	CW	(AB/MPJ/HFD)
M12	13396	19-11	1440	Mon	273 273 273 1 604 129 604 129 13201 13592 65344 ... 98127 48388 26650 000 000	CW	(AB/MPJ/HFD)
M12	8047	19-11	1800	Mon	463 463 463 1 3392 100 3392 100 09141 05125 59247 ... 54720 97378 75381 000 000	CW	(AB/MPJ)
M12	6802	19-11	1820	Mon	463 463 463 1 3392 100 3392 100 09141 05125 59247 ... 54720 97378 75381 000 000	CW	(AB/MPJ)
M12	5788	19-11	1840	Mon	463 463 463 1 3392 100 3392 100 09141 05125 59247 ... 54720 97378 75381 000 000	CW	(AB/MPJ)
M12	10343	19-11	2000	Mon	124 124 124 1 5020 107 5020 107 04973 41609 71265 ... 96250 51852 26842 000 000	CW	(AB/MPJ/HFD)
M12	9264	19-11	2020	Mon	124 124 124 1 5020 107 5020 107 04973 41609 71265 ... 96250 51852 26842 000 000	CW	(AB/MPJ/HFD)
M12	8116	19-11	2040	Mon	124 124 124 1 5020 107 5020 107 04973 41609 71265 ... 96250 51852 26842 000 000	CW	(AB/HFD)
M12	6937	19-11	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	19-11	2230	Mon	975 975 975 000	CW	(AB)
M12	13936	21-11	1310	Wed	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ/HFD)
M12	12136	21-11	1330	Wed	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ/HFD)
M12	11536	21-11	1350	Wed	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ/HFD)
M12	16296	21-11	1400	Wed	273 1 604 129 13201 13592 65344 ... 98127 48388 86650 000 000	CW	(MPJ)
M12	13396	21-11	1420	Wed	273 1 604 129 13201 13592 65344 ... 98127 48388 86650 000 000	CW	(MPJ)
M12	14796	21-11	1420	Wed	273 1 604 129 13201 13592 65344 ... 98127 48388 86650 000 000	CW	(MPJ)
M12	7536	21-11	2050	Wed	581 581 581 000	CW	(AB/RL)
M12	6836	21-11	2110	Wed	581 581 581 000	CW	(AB/RL)
M12	5429	21-11	2200	Wed	460 460 460 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB/RL)
M12	4629	21-11	2220	Wed	460 460 460 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB)
M12	4029	21-11	2240	Wed	460 460 460 1 6430 83 6430 83 82951 71827 97207 ... 35247 87809 48847 000 000	CW	(AB)
M12	15869	22-11	1010	Thu	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
M12	17469	22-11	1030	Thu	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
M12	18769	22-11	1050	Thu	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
M12	10343	22-11	1900	Thu	124 1 9524 121 46547 36554 85690 ... 58878 92692 75606 000 000	CW	(MPJ)
M12	9264	22-11	1920	Thu	124 1 9524 121 46547 36554 85690 ... 58878 92692 75606 000 000	CW	(MPJ)
M12	8116	22-11	1940	Thu	124 1 9524 121 46547 36554 85690 ... 58878 92692 75606 000 000	CW	(MPJ)
M12	6937	22-11	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	5737	22-11	2230	Thu	975 975 975 000	CW	(AB)
M12	13936	23-11	1310	Fri	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ)
M12	12136	23-11	1330	Fri	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ)
M12	11536	23-11	1350	Fri	915 915 915 1 147 87 147 87 69364 73496 43307 ... 05705 23144 85576 000 000	CW	(AB/MPJ)
M12	7536	23-11	2050	Fri	581 581 581 000	CW	(RL)

<b>M12</b>	6836	23-11	2110	Fri	581 581 581 000	CW	(RL)
<b>M12</b>	6859	23-11	2200	Fri	849 849 849 1 518 75 518 75 09060 62877 86785 ... 00597 04574 03865 000 000	CW	(AB)
<b>M12</b>	7459	23-11	2220	Fri	849 849 849 1 518 75 518 75 09060 62877 86785 ... 00597 04574 03865 000 000	CW	(AB)
<b>M12</b>	7637	24-11	0600	Sat	612 612 612 000	CW	(AB/HFD)
<b>M12</b>	9137	24-11	0620	Sat	612 612 612 000	CW	(AB/HFD)
<b>M12</b>	6859	24-11	2200	Sat	849 849 849 1 518 75 518 75 09060 62877 86785 ... 00597 04574 03865 000 000	CW	(AB)
<b>M12</b>	7459	24-11	2220	Sat	849 849 849 1 518 75 518 75 09060 62877 86785 ... 00597 04574 03865 000 000	CW	(AB)
<b>M12</b>	15869	25-11	1010	Sun	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
<b>M12</b>	17469	25-11	1030	Sun	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
<b>M12</b>	18769	25-11	1050	Sun	847 847 847 1 447 133 447 133 20268 37923 32919 ... 06612 51054 49114 000 000	CW	(AB)
<b>M12</b>	16296	26-11	1400	Mon	273 273 273 000	CW	(AB-RUS/MPJ)
<b>M12</b>	14796	26-11	1420	Mon	273 273 273 000	CW	(AB-RUS/MPJ)
<b>M12</b>	8047	26-11	1800	Mon	463 463 463 1 6320 99 6320 99 44371 81132 56984 ... 25512 19459 89517 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	26-11	1820	Mon	463 463 463 1 6320 99 6320 99 44371 81132 56984 ... 25512 19459 89517 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	26-11	1840	Mon	463 463 463 1 6320 99 6320 99 44371 81132 56984 ... 25512 19459 89517 000 000	CW	(AB/MPJ)
<b>M12</b>	10343	26-11	2000	Mon	124 1 746 38 62097 41413 39274 ... 37942 02439 97654 0000 000	CW	(MPJ)
<b>M12</b>	9264	26-11	2020	Mon	124 1 746 38 62097 41413 39274 ... 37942 02439 97654 0000 000	CW	(MPJ)
<b>M12</b>	8116	26-11	2043	Mon	i.p. 124 1 746 38 62097 41413 39274 ... 37942 02439 97654 0000 000	CW	(AB)
<b>M12</b>	6937	26-11	2210	Mon	975 975 975 000	CW	(AB)
<b>M12</b>	5737	26-11	2230	Mon	975 975 975 000	CW	(AB)
<b>M12</b>	13936	28-11	1310	Wed	915 915 915 000	CW	(AB/MPJ)
<b>M12</b>	12136	28-11	1330	Wed	915 915 915 000	CW	(AB/MPJ)
<b>M12</b>	16296	28-11	1400	Wed	273 273 273 000	CW	(AB-RUS/MPJ)
<b>M12</b>	14796	28-11	1420	Wed	273 273 273 000	CW	(AB-RUS/MPJ)
<b>M12</b>	7536	28-11	2050	Wed	581 581 581 000	CW	(AB/RL)
<b>M12</b>	6836	28-11	2110	Wed	581 581 581 000	CW	(AB/RL)
<b>M12</b>	5429	28-11	2200	Wed	460 460 460 000	CW	(AB/RL/HFD)
<b>M12</b>	4629	28-11	2220	Wed	460 460 460 000	CW	(AB/HFD)
<b>M12</b>	10343	29-11	1800	Thu	124 1 5681 23 94890 14048 51712 ... 82319 50021 81794 000 000	CW	(MPJ)
<b>M12</b>	9264	29-11	1820	Thu	124 1 5681 23 94890 14048 51712 ... 82319 50021 81794 000 000	CW	(MPJ)
<b>M12</b>	8116	29-11	1840	Thu	124 1 5681 23 94890 14048 51712 ... 82319 50021 81794 000 000	CW	(MPJ)
<b>M12</b>	10343	29-11	2000	Thu	124 124 124 1 5681 123 5681 123 94890 74048 51712 ... 82319 50021 81794 000 000	CW	(AB)
<b>M12</b>	9264	29-11	2020	Thu	124 124 124 1 5681 123 5681 123 94890 74048 51712 ... 82319 50021 81794 000 000	CW	(AB)
<b>M12</b>	8116	29-11	2043	Thu	124 124 124 1 5681 123 5681 123 94890 74048 51712 ... 82319 50021 81794 000 000	CW	(AB)
<b>M12</b>	6937	29-11	2200	Thu	975 975 975 000	CW	(AB)
<b>M12</b>	5737	29-11	2230	Thu	975 975 975 000	CW	(AB/RL)
<b>M12</b>	13936	30-11	1310	Fri	915 915 915 000	CW	(AB/MPJ)
<b>M12</b>	12136	30-11	1330	Fri	915 915 915 000	CW	(AB/MPJ)
<b>M12</b>	7536	30-11	2050	Fri	581 581 581 000	CW	(RL)
<b>M12</b>	6836	30-11	2110	Fri	581 581 581 000	CW	(RL)



<b>M12</b>	6859	30-11	2200	Fri	849 849 849 000	CW	(AB)
<b>M12</b>	7459	30-11	2220	Fri	849 849 849 000	CW	(AB/RL)
<b>M14</b>	18041	1-11	0500	Thu	952 401 60 = 95626 ...	CW	(HFD)
<b>M14</b>	18041	2-11	0500	Fri	952 386 386 60 60 == 83112 83174 73759 ... 39490 83494 97812 == 386 386 60 60 00000	CW	(AB-NZL)
<b>M14</b>	4024	6-11	1532	Tue	Test: 911	MCW	(AB)
<b>M14</b>	4024	6-11	1547	Tue	Test: 920 7	MCW	(AB)
<b>M14</b>	4024	6-11	1600	Tue	725 725 725 00000	MCW	(AB/MPJ/HFD)
<b>M14</b>	18041	7-11	0500	Wed	952 838 838 60 60 == 63709 23598 04956 ... 38964 63302 11359 == 838 838 60 60 00000	CW	(AB-NZL)
<b>M14</b>	18041	8-11	0503	Thu	Late start. Callup at 0503z, message at 0504z. 952 671 671 50 50 == 45458 08385 19425 ... 44430 00441 14388 == 671 671 50 50 00000	CW	(AB-NZL)
<b>M14</b>	18041	9-11	0500	Fri	952 340 340 60 60 == 82860 22671 06672 ... 00418 77709 72753 == 340 340 60 60 00000	CW	(AB-NZL)
<b>M14</b>	18041	12-11	0500	Mon	952 716 716 55 55 == 45444 47080 26669 ... 68217 46979 51546 == 716 716 55 55 00000	CW	(AB-KOR)
<b>M14</b>	4636	13-11	1809	Tue	Early start. 186 456 456 42 42 == 23451 56347 13425 ... 14521 45721 01469 == 456 456 42 42 00000	MCW	(AB)
<b>M14</b>	18041	14-11	0500	Wed	952 371 371 50 50 == 93934 81801 10629 ... 37727 48288 00773 == 371 31 50 50 00000	CW	(AB-NZL)
<b>M14</b>	4761	14-11	1920	Wed	748 456 456 42 42 == 23451 56347 13425 ... 14521 45721 01469 == 456 456 42 42 00000	MCW	(MPJ)
<b>M14</b>	18041	16-11	0500	Fri	952 713 713 50 50 == 71643 03896 89813 ... 21221 14299 42179 == 713 713 50 50 00000	CW	(AB-NZL)
<b>M14</b>	4813	16-11	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
<b>M14</b>	4480	16-11	2000	Fri	735 735 735 00000	MCW	(AB)
<b>M14</b>	18041	19-11	0500	Mon	952 640 640 60 60 == 66918 60141 37730 ... 03846 14106 54810 == 640 640 60 60 00000	CW	(AB-NZL)
<b>M14</b>	18041	20-11	0500	Tue	952 781 781 60 60 == 48029 18246 78552 ... 95164 52415 62985 == 781 781 60 60 00000	CW	(AB)
<b>M14</b>	18041	21-11	0500	Wed	952 360 360 50 50 == 08565 47375 99251 ... 74243 81941 56645 == 360 360 50 50 00000	CW	(AB-NZL)
<b>M14</b>	18041	22-11	0500	Thu	952 784 784 60 60 == 61735 23963 07802 ... 65152 40470 66664 == 784 784 60 60 00000	CW	(AB-NZL)
<b>M14</b>	18041	26-11	0500	Mon	952 704 704 55 55 == 80045 12350 33204 ... 61546 02117 16310 == 704 704 55 55 00000	CW	(AB-NZL)
<b>M14</b>	4636	27-11	1820	Tue	186 228 45 == 78134 52679 90561 ... 84672 89013 55461 == 228 45 00000	MCW	(MPJ/HFD)
<b>M14</b>	18041	28-11	0500	Wed	952 303 303 50 50 == 14144 52287 84523 ... 24782 48148 81914 == 303 303 50 50 00000	CW	(AB-NZL)
<b>M14</b>	4761	28-11	1920	Wed	748 228 45 == 78134 52679 90561 ... 84672 89013 55461 == 228 45 00000	MCW	(MPJ/HFD)
<b>M14</b>	18041	29-11	0500	Thu	952 874 874 55 55 == 16966 31110 46834 ... 81593 85421 75307 == 874 874 55 55 00000	CW	(AB-NZL)
<b>M14</b>	18041	30-11	0500	Fri	952 631 631 50 50 == 24092 32404 61507 ... 15149 21017 89173 == 631 631 50 50 00000	CW	(AB-NZL)
<b>M22</b>	6607	16-11	1736	Fri	VVV DE 4XZ 4XZ ==	CW	(AB)
<b>M32</b>	6454	3-11	1935	Sat	VVVVVVV Q8S9 DE TMFH K. Q8S9 DE TMFH K. REP R K. VVVVVVVV	CW	(AB)
<b>M32</b>	4603	9-11	1100	Fri	Beacon D. At 1105z: KAPL QRV K. KAPL R11 K. At 1130z Beacon D. At 1135z: KAPL de GWTK QTC K. KAPL QRV K. //5013 kHz	CW	(F5JBR)
<b>M32</b>	5013	9-11	1100	Fri	Beacon D. At 1105z: KAPL QRV K. KAPL R11 K. At 1130z Beacon D. At 1135z: KAPL de GWTK QTC K. KAPL QRV K. //4603 kHz	CW	(F5JBR)
<b>M32</b>	8527	15-11	1327	Thu	XXX XXX WEGI WEGI 00691 KRENOMT N 8722 2112 K	CW	(AnEur)
<b>M32</b>	9044	15-11	1335	Thu	XXX XXX WEGI WEGI 51433 00691 KRENOMT N 8722 2112 K	CW	(AnEur)
<b>M32</b>	6342	15-11	1336	Thu	U U U U XXX XXX WEGI WEGI 51433 00691 KRENOMEEN 8722 2112	CW	(JU)
<b>M32</b>	6342	15-11	1349	Thu	XXX XXX M7A2 M7A2 37439 84259 WERBNYJ 5495 4060	CW	(JU)
<b>M32</b>	8527	16-11	0900	Fri	XXX XXX N1DX N1DX 21190 OTWRAQENXE 5271 8960 K	CW	(AnEur)

<b>M32</b>	10933	19-11	0926	Mon	XXX XXX WEGI WEGI 85222 FARTORAV 8069 9502 //12707 kHz	CW	(JU)
<b>M32</b>	12707	19-11	0926	Mon	XXX XXX WEGI WEGI 85222 FARTORAV 8069 9502 //10933 kHz	CW	(JU)
<b>M32</b>	9044	19-11	0935	Mon	XXX XXX WEGI WEGI 49443 85222 FARTORAV 8069 9502 K	CW	(AnEur)
<b>M32</b>	11468	19-11	0936	Mon	RDL: U U U XXX XXX WEGI WEGI 49443 85222 FARTORAV 8069 9502	CW	(JU)
<b>M32</b>	11468	19-11	0946	Mon	RDL: XXX XXX M7A2 M7A2 42545 78757 REZOTRUeK 2878 5008	CW	(JU)
<b>M32</b>	8527	19-11	1926	Mon	XXX XXX WEGI WEGI 85222 FARTORAV 8069 9502 K //7679, 7789, 10377, 10553, 10933 kHz	CW	(AnEur)
<b>M32</b>	7678	22-11	1242	Thu	XXX XXX MFT5 MFT5 18471 RAZMINKA 4628 4979 K	CW	(AnEur)
<b>M32</b>	7678	23-11	0910	Fri	XXX XXX MFT5 MFT5 51464 PREDLINNYJ 7549 4637 K	CW	(AnEur)
<b>M32</b>	4016	27-11	1814	Tue	i.p. IRAI IRAI QTC = 577 28 28 0410 577 = 776 AAAAA KIWCG NRKEN OOOEE T.RP PZZHB ...	CW	(JPL)
<b>M32</b>	6220	30-11	1800	Fri	OMCL OMCL OMCL DE JZNK K. IKRF IKRF IKRF DE JZNK K RK. HRKG HRKG HRKG DE JZNK K	CW	(LG3)
<b>M32b</b>	8816	10-11	0711	Sat	rjf94 de 80808 qto 0700 qrd XLAA XLMD qre 0800 qbd 0435 k. qqm XLAA 0808 sk	CW	(WP3)
<b>M32c</b>	4179	11-11	1841	Sun	REA4 Russian Long Range Avn Bcast: REA4 REA4 = 11170 99900 1...0 20067 ... 910// = REA4 K	CW	(MPJ)
<b>M41</b>	2509	6-11	1630	Tue	i.p. 7221 9499 9897 4686 612871 230100 RPT 7221 9499 9897 4686 612871 230100 EWSO AR	CW	(F5JBR)
<b>M41</b>	3194	7-11	1400	Wed	H7BL H7BL AR	CW	(F5JBR)
<b>M41</b>	3194	8-11	1400	Thu	H7BL H7BL AR	CW	(F5JBR)
<b>M42</b>	13441	1-11	0834	Thu	Russian diplo i.p.	MFSK-66	(AB)
<b>M42</b>	15830	12-11	0925	Mon	Russian embassy Rabat, MRC	Serdolik MFSK	(AB)
<b>M42</b>	12215	13-11	1044	Tue	Unid Russian Embassy, Central Asia? Offline crypto after 11177 00085 37654 7546 QSX 13961 kHz	Serdolik MFSK	(Danix-IND)
<b>M42</b>	13961	13-11	1044	Tue	MFA, Moscow QSX 12215 kHz	Serdolik MFSK	(Danix)
<b>M42</b>	12158	22-11	1200	Thu	Russian diplo i.p.	Serdolik MFSK	(AB)
<b>M42</b>	5377	27-11	1725	Tue	Russian diplo/intel	Serdolik MFSK	(AB)
<b>M42</b>	9142	30-11	0722	Fri	Russian diplo/intel i.p.	Serdolik MKSK	(AB)
<b>M42b</b>	4538	9-11	1711	Fri	VFGK wkg DATZ (Outstation on 4816 kHz)	CW	(F5JBR)
<b>M51</b>	3881	20-11	1616	Tue	FAV22 i.p. DWEAS XMCNS 96314 ./.=, ... (Practice)	CW	(MPJ)
<b>M51b</b>	6825	21-11	1150	Wed	i.p. JKQCV YHMLO VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG etc etc	CW	(AB)
<b>M51b</b>	3881	27-11	1456	Tue	i.p. KLPAU NXHDT RUSHZ QJUHR JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR UJYHT DFSRZ AMQPO .... //6825 kHz	CW	(AB)
<b>M51b</b>	6825	27-11	1456	Tue	i.p. KLPAU NXHDT RUSHZ QJUHR JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR UJYHT DFSRZ AMQPO .... //3881 kHz	CW	(AB)
<b>M89</b>	3238	5-11	2329	Mon	V M8JF (x3) DE RIS9 (x2) //4870, and 6874, and 8157	CW	(JPL)
<b>M89</b>	4870	5-11	2329	Mon	V M8JF (x3) DE RIS9 (x2) //3238, and 6874, and 8157	CW	(JPL)
<b>M89</b>	6874	5-11	2329	Mon	V M8JF (x3) DE RIS9 (x2) //3238, and 4870, and 8157	CW	(JPL)
<b>M89</b>	8157	5-11	2329	Mon	V M8JF (x3) DE RIS9 (x2) //3238, and 4870, and 6874	CW	(JPL)
<b>M89</b>	5835	5-11	2334	Mon	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
<b>M89</b>	10589	5-11	2334	Mon	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
<b>M89</b>	4326	6-11	1746	Tue	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
<b>M89</b>	3238	6-11	1748	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
<b>M89</b>	4870	6-11	1748	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)



M89	5835	7-11	1045	Wed	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	10589	7-11	1045	Wed	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	3238	7-11	1047	Wed	V M8JF (x3) DE RIS9 (x2) //4870, and 6874	CW	(JPL)
M89	4870	7-11	1047	Wed	V M8JF (x3) DE RIS9 (x2) //3238, and 6874	CW	(JPL)
M89	6874	7-11	1047	Wed	V M8JF (x3) DE RIS9 (x2) //3238, and 4870	CW	(JPL)
M89	4326	7-11	1340	Wed	QW2A (x3) de G5VD (x2) V	CW	(F5JBR-J)
M89	3238	8-11	1203	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	8-11	1203	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	8-11	1206	Thu	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	8-11	1206	Thu	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4326	9-11	1119	Fri	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	9-11	1119	Fri	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4860	9-11	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	9-11	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3238	9-11	1125	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	9-11	1125	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4720	9-11	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	9-11	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3238	10-11	1732	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	10-11	1732	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	10-11	1733	Sat	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	10-11	1733	Sat	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4131	10-11	1740	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	11-11	0843	Sun	V M8JF (x3) DE RIS9 (x2) //4870 and 6874 and 8153	CW	(JPL)
M89	4870	11-11	0843	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 6874 and 8153	CW	(JPL)
M89	6874	11-11	0843	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 8153	CW	(JPL)
M89	8153	11-11	0843	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 6874	CW	(JPL)
M89	5835	11-11	0849	Sun	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	10589	11-11	0849	Sun	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	4620	12-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4860	CW	(JPL)
M89	4860	12-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4620	CW	(JPL)
M89	6840	12-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 4620	CW	(JPL)
M89	3232	12-11	1129	Mon	i.p. 3U57 D76A D576 5DUA N64U 4T63 AR USB WK USB WK USB WK	CW	(JPL)
M89	3238	12-11	1140	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	12-11	1140	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3355	12-11	1837	Mon	i.p. MSG HR MSG HR 7G GA HR MSG GA RMKS	CW	(JPL)
M89	3238	13-11	1103	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	13-11	1103	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	13-11	1106	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	13-11	1106	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)

<b>M89</b>	4878	13-11	1116	Tue	i.p. N573 N47N AT3N II = 3T5N N75A D3A4 7T3N5 7AT5 ...	CW	(JPL)
<b>M89</b>	4620	13-11	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4860	CW	(JPL)
<b>M89</b>	4860	13-11	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4620	CW	(JPL)
<b>M89</b>	6840	13-11	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 4620	CW	(JPL)
<b>M89</b>	4135	13-11	1127	Tue	i.p. R HR 7G GA K. R GA NR .6843 CK .. 1113 1.00 RMKS ... 916.. TO 9125 K. R R GA	CW	(JPL)
<b>M89</b>	7541	13-11	1127	Tue	i.p. 6D4N A6T4 5T7U U6AT 7UDN AR	CW	(JPL)
<b>M89</b>	4720	13-11	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	5150	13-11	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	6874	14-11	0054	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
<b>M89</b>	8157	14-11	0054	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
<b>M89</b>	4279	14-11	0056	Wed	i.p. QSL 0845 QSL 0845 RPT HR WK NR 306 OK	CW	(JPL)
<b>M89</b>	4253	14-11	0102	Wed	i.p. T6DU 7T65 UA34 46DA AR K. R QSL 0908 K. R HR WK NR .4 K. R RPT K. R HR WK NR 14 K. R HR WK NR 4	CW	(JPL)
<b>M89</b>	5313	14-11	0109	Wed	i.p. VVV 2JJA 2JJA 2JJA 4TLD 4TLD K	CW	(JPL)
<b>M89</b>	5470	14-11	0121	Wed	i.p. 6U4A 5D3N 7U6T 4A6U 7T5N ...	CW	(JPL)
<b>M89</b>	5824	14-11	0130	Wed	i.p. TA74 3U56 UN3D 73NT 473U AR K OK OK R ... K R MSG NR 1069 CK .9 08 1115 .00 RMKS 7770 TO 7680 K	CW	(JPL)
<b>M89</b>	5791	14-11	0136	Wed	i.p. DU77 6N4N U57D UA35 D5A7 III = UDA4 35U 5A43 T66A ...	CW	(JPL)
<b>M89</b>	5835	14-11	0142	Wed	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
<b>M89</b>	6022	14-11	0144	Wed	i.p. RPT 19W TO 22W K QSL 0942 K R MSG NR 2234 CK 61 78 1114 0900 K	CW	(JPL)
<b>M89</b>	5541	14-11	0150	Wed	YU8G DE VXH2 QSA ? QSA 1 HR 7G TO U K	CW	(JPL)
<b>M89</b>	3238	14-11	1015	Wed	V M8JF (x3) DE RIS9 (x2) //8157 and 4870	CW	(JPL)
<b>M89</b>	4870	14-11	1015	Wed	V M8JF (x3) DE RIS9 (x2) //8157 and 3238	CW	(JPL)
<b>M89</b>	8157	14-11	1015	Wed	V M8JF (x3) DE RIS9 (x2) //4870 and 3238	CW	(JPL)
<b>M89</b>	5835	14-11	1017	Wed	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
<b>M89</b>	4860	14-11	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
<b>M89</b>	10640	14-11	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	7620	14-11	1030	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	14-11	1030	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	4566	14-11	1055	Wed	i.p. 01W K K = 57UN D473 4A53 N75U 43D7 ...	CW	(JPL)
<b>M89</b>	6504	14-11	1109	Wed	i.p. GU/ABWE AR = D5GU/ABWE AR = D5GU/ABWE AR K R U FF GA K K R GA RR GA K QSL 1911 K HR MSG GA K	CW	(JPL)
<b>M89</b>	5555	14-11	1119	Wed	i.p. QSA 1 R IEC = 1929 AR	CW	(JPL)
<b>M89</b>	4620	14-11	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
<b>M89</b>	4860	14-11	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
<b>M89</b>	6840	14-11	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
<b>M89</b>	4720	14-11	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	5150	14-11	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	3238	14-11	1158	Wed	V M8JF (x3) DE RIS9 (x2) //4238 and 4870	CW	(JPL)
<b>M89</b>	4238	14-11	1158	Wed	V M8JF (x3) DE RIS9 (x2) //3238 and 4870	CW	(JPL)

<b>M89</b>	4870	14-11	1158	Wed	V M8JF (x3) DE RIS9 (x2) //4238 and 3238	CW	(JPL)
<b>M89</b>	4326	14-11	1159	Wed	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	14-11	1159	Wed	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	3311	14-11	1622	Wed	i.p. R TO U4UA 4TT4 56U4 6N35 4A65 443N III AR R 35W ATN6 K. R HR WK NR 410 K. R R SK SK	CW	(JPL)
<b>M89</b>	3238	15-11	1440	Thu	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
<b>M89</b>	4870	15-11	1440	Thu	V M8JF (x3) DE RIS9 (x2) //3238 and 6874	CW	(JPL)
<b>M89</b>	6874	15-11	1440	Thu	V M8JF (x3) DE RIS9 (x2) //3238 and 4870	CW	(JPL)
<b>M89</b>	4326	15-11	1443	Thu	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	15-11	1443	Thu	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	3238	16-11	1110	Fri	RIS9 i.p. = 304/2270/201./00/05/0376/061/A AR //4870	CW	(JPL)
<b>M89</b>	4870	16-11	1110	Fri	RIS9 i.p. = 304/2270/201./00/05/0376/061/A AR //3238	CW	(JPL)
<b>M89</b>	4100	16-11	1113	Fri	i.p. NR 1017 CK 13515 0528 000 NR 1017 CK 235 34 0528 0950 RMKS 7101 TO 7104 = NADT D5D7 5634 4U4A 3	CW	(JPL)
<b>M89</b>	4620	16-11	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
<b>M89</b>	4860	16-11	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
<b>M89</b>	6840	16-11	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
<b>M89</b>	4326	16-11	1125	Fri	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	16-11	1125	Fri	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	4720	16-11	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	5150	16-11	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	7507	16-11	1159	Fri	i.p. RMKS 1003 TO 1425 K. R = = M4K6/N EEEEE = M4K6/G7L5 AR = M4K6/G7L5 AR K. R OK R GA K R QSL 200	CW	(JPL)
<b>M89</b>	4620	16-11	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
<b>M89</b>	4860	16-11	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
<b>M89</b>	6840	16-11	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
<b>M89</b>	3187	16-11	1225	Fri	i.p. VVV N2S7 K. R DE N2S7 K. R HR KP U QSA 2 K. R HR KP U QSA 2 K	CW	(JPL)
<b>M89</b>	3200	16-11	1232	Fri	i.p. R R IEC = 8337 AR K. R IEC 9305 AR K. R R HR SVC GA K	CW	(JPL)
<b>M89</b>	4326	16-11	2145	Fri	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	16-11	2145	Fri	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	4131	16-11	2155	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	6840	19-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
<b>M89</b>	3238	19-11	1127	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
<b>M89</b>	4870	19-11	1127	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
<b>M89</b>	4326	19-11	1132	Mon	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	19-11	1132	Mon	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	4131	20-11	1536	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3238	20-11	1543	Tue	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
<b>M89</b>	4326	20-11	1544	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
<b>M89</b>	4904	20-11	1544	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
<b>M89</b>	4326	20-11	2222	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)

M89	4904	20-11	2222	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	3238	20-11	2223	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	20-11	2223	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5177	21-11	1655	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	21-11	1734	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	21-11	1734	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4326	21-11	1736	Wed	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	21-11	1736	Wed	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4131	21-11	2330	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5177	23-11	1118	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	23-11	1155	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	23-11	1155	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5177	27-11	1049	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	27-11	1056	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	27-11	1056	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5835	27-11	1102	Tue	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
M89	4326	27-11	1439	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	27-11	1439	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4131	27-11	1442	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3647	27-11	1505	Tue	V ZCJ0 (x3) DE ORP2 (x2) VV QSL ? K RPT 1W TO 30W =	CW	(JPL)
M89	2659	27-11	1520	Tue	V PO9I (x3) DE FTGY (x2)	CW	(JPL)
M89	6874	28-11	0015	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	28-11	0015	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5177	28-11	0107	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6747	28-11	0123	Wed	i.p FFF NR 130/EX 0923 FFF NRF 130/EX 0923 = 34TT ANTT DTTT TA3T T5UT TNNT TAA. ... AR AR AR	CW	(JPL)
M89	4326	28-11	0141	Wed	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)
M89	4904	28-11	0141	Wed	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	5835	28-11	0141	Wed	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	10589	28-11	0141	Wed	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	10632	28-11	0144	Wed	i.p. 43UA 43U5 7DU3 DT4D 4T53 ... III 2P = = A645 54AN ND7U 3UTA NU34 ...	CW	(JPL)
M89	5177	28-11	1059	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4952	28-11	1100	Wed	V VGSBB (x3) DE FY5S (x2)	CW	(JPL)
M89	3238	28-11	1124	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	28-11	1124	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5501	28-11	1130	Wed	i.p. FFF BT QXH5/K7L8 AR = H5J6/K7L8 AR = H5J6/K7L8 AR QSY QSY QSY	CW	(JPL)
M89	3510	28-11	1949	Wed	V VGSBB (x3) DE FY5S (x2)	CW	(JPL)
M89	4131	29-11	2054	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	29-11	2056	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	29-11	2056	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)

M95	4243	5-11	2347	Mon	i.p. AR A HR MSG GA NR 074 CK 29 35 1106... = 5AA .TT TT6 3U4 3A4 TTU TT3 773 357 4TA ... //9054	CW	(JPL)
M95	9054	5-11	2347	Mon	i.p. AR A HR MSG GA NR 074 CK 29 35 1106... = 5AA .TT TT6 3U4 3A4 TTU TT3 773 357 4TA ... //4243	CW	(JPL)
M95	3642	6-11	1759	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	7-11	1052	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-11	1052	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	8-11	1138	Thu	BNGC DE XSV85 //8073	CW	(JPL)
M95	8073	8-11	1138	Thu	BNGC DE XSV85 //4364	CW	(JPL)
M95	4243	8-11	1149	Thu	VV HR MSG TO YR PSE CY NR 08 CK 40 49 1108 1530 = 545 DN3 346 .UD T5U 4AN 7U6 36T 7N3 A3U ...	CW	(JPL)
M95	4364	9-11	1140	Fri	BNGC DE XSV85 //8073	CW	(JPL)
M95	8073	9-11	1140	Fri	BNGC DE XSV85 //4364	CW	(JPL)
M95	4243	9-11	1141	Fri	VV HR MSG TO YR PSE CY NR 08 CK 40 49 1108 1530 = 545 DN3 346 NUD T5U 4AN 7U6 36T 7N3 A3U ...	CW	(JPL)
M95	4243	10-11	1152	Sat	i.p. AR A HR MSG GA NR 08. CK 26 35 1110 1531 = 5AA UTT TAT 3U6 3A4 TTU TT3 773 357 373 ...	CW	(JPL)
M95	3642	10-11	1729	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	11-11	0839	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	11-11	0839	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	12-11	1111	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	12-11	1111	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	8073	12-11	1138	Mon	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 1011 CK 232 35 1112 1632 = TAU 3U6 3AN 3U7 TAU ...	CW	(JPL)
M95	4243	12-11	1146	Mon	VVV HR 7G TO YR PSE CY NR 087 CK 16 35 1112 1536 = 5AA UTT .AU 3U6 3A4 ... A HR UP SB WK	CW	(JPL)
M95	3642	12-11	1820	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	12-11	1820	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	13-11	1054	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	13-11	1054	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	8073	13-11	1140	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG NR 1013 CK 294 35 1113 1631 = TA4 3U6 3AN 3U7 TAU 773 TA7 773 ...	CW	(JPL)
M95	4243	13-11	1146	Tue	VVV HR 7G TO YR PSE CY NR 089 CK 13 35 1113 1524 = 5AA UTT TA3 3U6 3A4 TTU TT3 TT3 35U 4TA ...	CW	(JPL)
M95	3642	13-11	1542	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	13-11	1542	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	14-11	0050	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	14-11	0050	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	14-11	1010	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	14-11	1010	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M95	4110	14-11	1036	Wed	i.p. 7D53 U6AD 6335 05 05 05 150 = 7N43 346N 7D.3 U6A. ...	CW	(JPL)
M95	4364	14-11	1132	Wed	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 1015 CK 291 35 1114 1644 = TA4 3U6 3AN 3U7 TAU ...	CW	(JPL)
M95	4243	14-11	1142	Wed	VVV HR 7G TO YR PSE CY NR 091 CK 24 35 1114 1539 = 5AA UTT TA4 3U6 3A4 ...	CW	(JPL)
M95	4243	15-11	0019	Thu	i.p.	CW	(JPL)
M95	3642	15-11	1436	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-11	1436	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	16-11	1052	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	16-11	1054	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-11	1054	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	16-11	1140	Fri	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 1019 CK 292 35 1116 1607 = ... U6 3.. 3A7 TAU 773 //8073	CW	(JPL)
M95	8073	16-11	1140	Fri	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 1019 CK 292 35 1116 1607 = ... U6 3.. 3A7 TAU 773 //4364	CW	(JPL)
M95	4243	16-11	1147	Fri	VVV HR 7G TO YR PSE CY NR 09 CK 23 49 1115 0720 = 5N7 D67 UDT 7U6 55T ...	CW	(JPL)
M95	5801	19-11	1124	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	8073	19-11	1140	Mon	V BNGC (x3) DE XSV85 (x2) HR 7G PSE CY NR 1033 CK 36 03 1119 1.05 = TAN 3U6 3AN 3.. TAU 773 TA5 ...	CW	(JPL)
M95	4243	19-11	1149	Mon	VVV HR 7G TO YR PSE CY NR 001 CK 40 35 1119 1521 = 5AA UTT TAN 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	19-11	1149	Mon	VVV HR 7G TO YR PSE CY NR 001 CK 40 35 1119 1521 = 5AA UTT TAN 3U6 3A4 ... //4243	CW	(JPL)
M95	3642	20-11	2217	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-11	2217	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	21-11	1653	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-11	1653	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3156	21-11	1703	Wed	V FE6K (x3) DE IR7D (x2) i.p. V FE6K (x3) DE IR7D (x2) DE 9PIQ QSA 2 QSA ? K. YU4R QSA 2 QSA ?	CW	(JPL)
M95	4243	21-11	2349	Wed	Message //9054	CW	(JPL)
M95	9054	21-11	2349	Wed	Message //4243	CW	(JPL)
M95	5801	23-11	1119	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	8073	23-11	1144	Fri	BNGC DE XSV85 HR 7G PSE CY NR 1056 CK 62 35 1123 1639 B= TAA N5U TU3 N33 N53 TAD ...	CW	(JPL)
M95	4243	23-11	1150	Fri	NR 46 CK 17 3 35 1123 1556 = UTU TU3 3U6 3A4 TTU 773 354 373 N3D 353 4TN ... //9054	CW	(JPL)
M95	9054	23-11	1150	Fri	NR 46 CK 17 3 35 1123 1556 = UTU TU3 3U6 3A4 TTU 773 354 373 N3D 353 4TN ... //4243	CW	(JPL)
M95	5801	27-11	1046	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	27-11	1046	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	8073	27-11	1133	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 10810 CK 3 II	CW	(JPL)
M95	4243	27-11	1151	Tue	i.p. mostly unreadable	CW	(JPL)
M95	3642	27-11	1444	Tue	V DKG6 (x3) DE 3A7D (x2) //7642	CW	(JPL)
M95	7642	27-11	1444	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	27-11	1809	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	27-11	1809	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)



<b>M95</b>	3642	28-11	0105	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M95</b>	5801	28-11	1058	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	28-11	1058	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M95</b>	3642	28-11	1946	Wed	V DKG6 (x3) DE 3A7D (x2) //7642	CW	(JPL)
<b>M95</b>	7642	28-11	1946	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M95</b>	3642	29-11	2052	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	29-11	2052	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>MC03</b>	4088.5	24-11	1457	Sat	N3N UA56D3 6NU5DN4 AA3 36 N3N UA56DD 74U6UU5 AT5 5N	CW	(CWG)
<b>MC03</b>	4088.5	26-11	1328	Mon	Chinese Air Defense i.p.	CW	(AB-J)
<b>MX</b>	4557.7	9-11	2125	Fri	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	4558.1	9-11	2125	Fri	Beacon A, Astrakhan	CW	(AB)
<b>MX</b>	5153.7	9-11	2126	Fri	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	5154.1	9-11	2126	Fri	Beacon A, Astrakhan	CW	(AB)
<b>MX</b>	7508.7	9-11	2127	Fri	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	7509.1	9-11	2127	Fri	Beacon A, Astrakhan	CW	(AB)
<b>P03a</b>	16112	2-11	1440	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	16112	2-11	1445	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	8680	2-11	1500	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	8680	2-11	1505	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	11100	2-11	1635	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	11100	2-11	1640	Fri	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	10487	3-11	1225	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	10487	3-11	1230	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	6986	3-11	1435	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	6986	3-11	1440	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13873	3-11	1500	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13873	3-11	1505	Sat	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	5371	4-11	0500	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	5371	4-11	0505	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	7317	4-11	0610	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	7317	4-11	0615	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13470	4-11	1410	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13470	4-11	1415	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	8680	4-11	1500	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	8680	4-11	1505	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	5371	4-11	1725	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	5371	4-11	1730	Sun	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13470	5-11	1410	Mon	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	13470	5-11	1415	Mon	Polish intel.	BPSK-63	(AB)
<b>P03a</b>	11000	5-11	1635	Mon	Polish intel.	BPSK-63	(AB)

P03a	11000	5-11	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	15905	6-11	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	6-11	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	6-11	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	6-11	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	7-11	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	7-11	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	7-11	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	7-11	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	7-11	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	7-11	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	7-11	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	7-11	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	8-11	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	8-11	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	9-11	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	9-11	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	9-11	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	9-11	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	9-11	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	9-11	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	5371	10-11	0500	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	10-11	0505	Sat	Polish intel.	BPSK-63	(AB)
P03a	7317	10-11	0610	Sat	Polish intel.	BPSK-63	(AB)
P03a	7317	10-11	0615	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	10-11	1500	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	10-11	1505	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	10-11	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	10-11	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	16112	11-11	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	16112	11-11	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	11-11	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	11-11	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	11-11	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	11-11	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	12-11	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13470	12-11	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	16335	13-11	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	16335	13-11	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	13-11	1415	Tue	Polish intel.	BPSK-63	(AB)



P03a	15905	13-11	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	13-11	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	13-11	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	14-11	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	14-11	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	14-11	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	14-11	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	14-11	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	14-11	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	14-11	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	14-11	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	15-11	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	15-11	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	16-11	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	16-11	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	16-11	1500	Fri	Polish intel.	BPSK-63	(AB/BW3-D)
P03a	8680	16-11	1505	Fri	Polish intel.	BPSK-63	(AB/BW3-D)
P03a	11100	16-11	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	16-11	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	5371	17-11	0500	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	17-11	0505	Sat	Polish intel.	BPSK-63	(AB)
P03a	7317	17-11	0610	Sat	Polish intel.	BPSK-63	(AB)
P03a	7317	17-11	0615	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	17-11	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	17-11	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	13470	18-11	1410	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	18-11	1415	Sun	Polish intel.	BPSK-63	(AB)
P03a	16112	18-11	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	16112	18-11	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	18-11	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	18-11	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	18-11	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	18-11	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	19-11	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13470	19-11	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	19-11	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	19-11	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	15905	20-11	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	20-11	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	21-11	1225	Wed	Polish intel.	BPSK-63	(AB)

P03a	10487	21-11	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	21-11	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	21-11	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	22-11	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	22-11	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	23-11	1440	Fri	Polish intel.	BPSK-63	(AB/FT)
P03a	16112	23-11	1445	Fri	Polish intel.	BPSK-63	(AB/FT)
P03a	8680	23-11	1500	Fri	Polish intel.	BPSK-63	(AB/FT)
P03a	8680	23-11	1505	Fri	Polish intel.	BPSK-63	(AB/FT)
P03a	7317	24-11	0610	Sat	Polish intel.	BPSK-63	(AB)
P03a	7317	24-11	0615	Sat	Polish intel.	BPSK-63	(AB)
P03a	16335	24-11	1140	Sat	Polish intel.	BPSK-63	(AB)
P03a	16335	24-11	1145	Sat	Polish intel.	BPSK-63	(AB)
P03a	10487	24-11	1225	Sat	Polish intel.	BPSK-63	(AB)
P03a	10487	24-11	1230	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	24-11	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	24-11	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	16112	25-11	1440	Sun	Polish intel.	BPSK-63	(AB)
P03a	16112	25-11	1445	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	25-11	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	25-11	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	26-11	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13470	26-11	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	15905	27-11	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	27-11	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	27-11	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	27-11	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	28-11	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	28-11	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	28-11	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	28-11	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	28-11	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	28-11	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	28-11	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	28-11	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	29-11	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	29-11	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	30-11	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	30-11	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	30-11	1500	Fri	Polish intel.	BPSK-63	(BW3-HOL)

<b>P03a</b>	8680	30-11	1505	Fri	Polish intel.	BPSK-63	(BW3-HOL)
<b>P03a</b>	11107	30-11	1635	Fri	Polish intel.	BPSK-63	(AB/BW3-HOL)
<b>P03a</b>	11107	30-11	1640	Fri	Polish intel.	BPSK-63	(AB/BW3-HOL)
<b>P03b</b>	4840	2-11	2035	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	2-11	2040	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	7-11	2035	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	7-11	2040	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	9-11	2035	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	9-11	2040	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	14-11	1120	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	14-11	1125	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	14-11	2035	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	14-11	2040	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	16-11	2035	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	16-11	2040	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	21-11	1120	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	21-11	1125	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	21-11	2035	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	21-11	2040	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	23-11	2035	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	23-11	2040	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	28-11	1120	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	10800	28-11	1125	Wed	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	30-11	2035	Fri	Polish intel.	QPSK-63	(AB)
<b>P03b</b>	4840	30-11	2040	Fri	Polish intel.	QPSK-63	(AB)
<b>POL</b>	8800	12-11	1000	Mon	Polish Intel.	BFSK 400/800	(AB)
<b>POL</b>	8800	12-11	1005	Mon	Polish Intel.	BFSK 400/800	(AB)
<b>Q26</b>	4243	8-11	1141	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	9-11	1141	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	12-11	1134	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	12-11	1141	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	13-11	1134	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	13-11	1143	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	14-11	1132	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	14-11	1142	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	16-11	1131	Fri	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	16-11	1131	Fri	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	16-11	1143	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	19-11	1136	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	19-11	1144	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)

<b>Q26</b>	9054	19-11	1144	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	21-11	2343	Wed	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	21-11	2343	Wed	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	23-11	1143	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	27-11	1133	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>S06</b>	19875	2-11	0830	Fri	842 105 37 64275 ...	USB	(HFD-HK)
<b>S06</b>	16067	2-11	0930	Fri	842 ...	USB	(HFD-HK)
<b>S06</b>	5305	2-11	2100	Fri	483 483 483 00000	USB	(HFD)
<b>S06</b>	3897	3-11	2000	Sat	263 263 263 00000	USB	(AB/MPJ/HFD)
<b>S06</b>	3317	3-11	2100	Sat	263 263 263 00000	USB	(AB/HFD)
<b>S06</b>	15721	6-11	0400	Tue	480 951 60 16632 26515 43916 ... 61269 24997 55024 951 60 00000	USB	(kalv-J)
<b>S06</b>	15721	7-11	0400	Wed	480 935 60 65462 41068 09231 ... 59934 57603 12027 935 60 00000	USB	(kalv-J)
<b>S06</b>	7062	7-11	0830	Wed	464 953 7 06675 ...	USB	(HFD)
<b>S06</b>	10352	7-11	0840	Wed	464 ...	USB	(HFD)
<b>S06</b>	9463	8-11	1100	Thu	Two messages 801 469 25 69324 47536 66865 ... 46210 52966 15860 469 25 801 574 25 54911 06015 25648 ... 86317 90133 32898 574 25 00000	USB	(Avare)
<b>S06</b>	15721	12-11	0400	Mon	480 723 55 = 65418 ...	USB	(HFD-KOR)
<b>S06</b>	7523	16-11	2000	Fri	483 483 483 00000	USB	(AB/MPJ)
<b>S06</b>	5305	16-11	2100	Fri	483 483 483 00000	USB	(AB)
<b>S06</b>	3897	17-11	2000	Sat	263 263 263 00000	USB	(AB/MPJ)
<b>S06</b>	3317	17-11	2100	Sat	263 263 263 00000	USB	(AB)
<b>S06</b>	9194	19-11	1600	Mon	387 ...	USB	(HFD)
<b>S06a</b>	14280	7-11	1010	Wed	729 ...	USB	(HFD)
<b>S06b</b>	13397	19-11	1500	Mon	387 951 2 = 11111 00022 387 206 49 = 33276 ...	USB	(HFD)
<b>S06s</b>	8812	1-11	0930	Thu	314 952 6 36903 41412 55678 09775 86415 25910 952 6 00000	USB	(AB/HFD)
<b>S06s</b>	9540	1-11	0940	Thu	314 952 6 36903 41412 55678 09775 86415 25910 952 6 00000	USB	(AB/HFD)
<b>S06s</b>	12155	1-11	1200	Thu	425 978 6 22536 88280 84116 53718 78927 34694 978 6 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	10920	1-11	1210	Thu	425 978 6 22536 88280 84116 53718 78927 34694 978 6 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	5765	2-11	0900	Fri	624 805 7 46052 68672 97478 29685 30485 96632 52537 805 7 00000	USB	(AB/HFD)
<b>S06s</b>	6315	2-11	0910	Fri	624 805 7 46052 68672 97478 29685 30485 96632 52537 805 7 00000	USB	(AB/HFD)
<b>S06s</b>	11780	2-11	0930	Fri	516 287 9 21767 53672 11834 81022 36903 41412 55678 09775 86415 287 9 00000	AM	(AB/HFD)
<b>S06s</b>	12570	2-11	0940	Fri	516 287 9 21767 53672 11834 81022 36903 41412 55678 09775 86415 287 9 00000	AM	(AB/HFD)
<b>S06s</b>	8680	3-11	0800	Sat	254-897/6=90733	USB	(HFD)
<b>S06s</b>	8680	3-11	0800	Sat	254 897 6 90733 20954 32983 45458 43992 21026 897 6 00000	USB	(AB/HFD)
<b>S06s</b>	8260	3-11	0810	Sat	254	USB	(HFD)
<b>S06s</b>	8260	3-11	0810	Sat	254 897 6 90733 20954 32983 45458 43992 21026 897 6 00000	USB	(AB/HFD)
<b>S06s</b>	13470	5-11	0630	Mon	524 809 6 16945 80744 86200 47330 97067 58604 809 6 00000	USB	(AB-AUT/HFD-QAT)
<b>S06s</b>	16515	5-11	0640	Mon	524 809 6 16945 80744 86200 47330 97067 58604 809 6 00000	USB	(AB-GRC)
<b>S06s</b>	8057	5-11	0830	Mon	371 926 5 52417 23648 63025 35264 64830 926 5 00000	USB	(AB/HFD)

<b>S06s</b>	8530	5-11	0840	Mon	371 926 5 52417 23648 63025 35264 64830 926 5 00000	USB	(AB/HFD)
<b>S06s</b>	14675	5-11	0900	Mon	872 416 5 63823 54960 74064 63812 84625 416 5 00000	USB	(AB-AUT/HFD)
<b>S06s</b>	12830	5-11	0910	Mon	872 416 5 63823 54960 74064 63812 84625 416 5 00000	USB	(AB/HFD)
<b>S06s</b>	8420	5-11	1300	Mon	831 927 5 05749 72173 62719 30516 72481 927 5 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	10635	5-11	1310	Mon	831 927 5 05749 72173 62719 30516 72481 927 5 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	16145	6-11	0600	Tue	438 925 6 82415 04728 42617 92540 83261 72045 925 5 00000	USB	(AB-RUS)
<b>S06s</b>	14240	6-11	0610	Tue	438 925 6 82415 04728 42617 92540 83261 72045 925 5 00000	USB	(AB-RUS)
<b>S06s</b>	5250	6-11	0700	Tue	374 216 5 11749 70552 56936 57989 05371 216 5 00000	USB	(AB/HFD)
<b>S06s</b>	6320	6-11	0715	Tue	374 216 5 11749 70552 56936 57989 05371 216 5 00000	USB	(AB/HFD)
<b>S06s</b>	7410	6-11	0730	Tue	427 805 6 88569 89617 25757 77158 95225 84090 805 6 00000	USB	(AB/HFD)
<b>S06s</b>	11532	6-11	0740	Tue	427 805 6 88569 89617 25757 77158 95225 84090 805 6 00000	USB	(AB/HFD)
<b>S06s</b>	11945	6-11	0800	Tue	352 479 6 26634 14690 95590 60486 03009 68431 479 6 00000	USB	(AB-GRC/HFD-GRC)
<b>S06s</b>	11945	6-11	0800	Tue	352-479/6=26604 via KiwiSDR GRC	USB	(HFD-GRC)
<b>S06s</b>	13195	6-11	0810	Tue	Off after 3 minutes. Starts again: 352 479 6 26634 14690 95590 60486 03009 68431 479 6 00000	USB	(AB-GRC/HFD-GRC)
<b>S06s</b>	6440	6-11	1000	Tue	893 214 5 49665 94092 48521 63888 92060 214 5 00000	USB	(AB/HFD)
<b>S06s</b>	5660	6-11	1010	Tue	893 214 5 49665 94092 48521 63888 92060 214 5 00000	USB	(AB/HFD)
<b>S06s</b>	5035	6-11	1100	Tue	754 962 8 52801 63919 92699 14600 74248 48754 65125 41879 962 8 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	5975	6-11	1110	Tue	754 962 8 52801 63919 92699 14600 74248 48754 65125 41879 962 8 00000	USB	(AB/MPJ/HFD)
<b>S06s</b>	6845	6-11	1500	Tue	537 904 6 09394 76911 75155 92918 97067 68604 904 6 00000	USB	(AB/HFD)
<b>S06s</b>	9170	6-11	1510	Tue	537 904 6 09394 76911 75155 92918 97067 68604 904 6 00000	USB	(AB/HFD)
<b>S06s</b>	8417	7-11	0820	Wed	471 958 6 42036 01653 15521 53005 51135 14199 958 6 00000	USB	(AB/HFD)
<b>S06s</b>	7062	7-11	0830	Wed	464 953 7 06675 86415 56075 94063 57989 84648 68362 953 7 00000	USB	(AB)
<b>S06s</b>	9262	7-11	0830	Wed	471 958 6 42036 01653 15521 53005 51135 14199 958 6 00000	USB	(AB/HFD)
<b>S06s</b>	11535	7-11	0830	Wed	745 963 8 52098 08497 28075 85052 82152 62725 14535 58231 963 8 00000	USB	(AB/HFD)
<b>S06s</b>	10532	7-11	0840	Wed	464 953 7 06675 86415 56075 94063 57989 84648 68362 953 7 00000	USB	(AB)
<b>S06s</b>	11830	7-11	0840	Wed	745 963 8 52098 08497 28075 85052 82152 62725 14535 58231 963 8 00000	USB	(AB/HFD)
<b>S06s</b>	12365	7-11	1000	Wed	729 465 8 87566 75855 07443 51240 62434 54159 77888 02656 465 8 00000	USB	(AB/HFD)
<b>S06s</b>	14280	7-11	1010	Wed	729 465 8 87566 75855 07443 51240 62434 54159 77888 02656 465 8 00000	USB	(AB)
<b>S06s</b>	8812	8-11	0930	Thu	314 952 6 36903 41412 55678 09775 86415 25910 952 6 00000	USB	(AB)
<b>S06s</b>	9540	8-11	0940	Thu	314 952 6 36903 41412 55678 09775 86415 25910 952 6 00000	USB	(AB)
<b>S06s</b>	12155	8-11	1200	Thu	425 978 6 22536 88280 84116 53718 78927 34694 978 6 00000	USB	(AB/MPJ)
<b>S06s</b>	10920	8-11	1210	Thu	425 978 6 22536 88280 84116 53718 78927 34694 978 6 00000	USB	(AB/MPJ)
<b>S06s</b>	5765	9-11	0900	Fri	624 805 7 46052 68672 97478 29685 30485 96632 52537 805 7 00000	USB	(AB)
<b>S06s</b>	6315	9-11	0910	Fri	624 805 7 46052 68672 97478 29685 30485 96632 52537 805 7 00000	USB	(AB)
<b>S06s</b>	11780	9-11	0930	Fri	516 287 9 21767 53672 11834 81022 36903 41412 55678 09775 86415 287 9 00000	USB	(AB)
<b>S06s</b>	12570	9-11	0940	Fri	516 287 9 21767 53672 11834 81022 36903 41412 55678 09775 86415 287 9 00000	USB	(AB)
<b>S06s</b>	13470	12-11	0630	Mon	524 809 6 16945 80744 86200 47330 97067 58604 809 6 00000	USB	(AB-AUT)
<b>S06s</b>	16515	12-11	0640	Mon	524 809 6 16945 80744 86200 47330 97067 58604 809 6 00000	USB	(AB-AUT)

S06s	8057	12-11	0830	Mon	371 926 5 52417 23648 63025 35264 64830 926 5 00000	USB	(AB)
S06s	8530	12-11	0840	Mon	371 926 5 52417 23648 63025 35264 64830 926 5 00000	USB	(AB)
S06s	14675	12-11	0900	Mon	872 416 5 63823 54960 74064 63812 84625 416 5 00000	USB	(AB)
S06s	12830	12-11	0910	Mon	872 416 5 63823 54960 74064 63812 84625 416 5 00000	USB	(AB)
S06s	8420	12-11	1300	Mon	831 927 5 05749 72173 62719 30516 72481 927 5 00000	USB	(AB/MPJ)
S06s	10635	12-11	1310	Mon	831 927 5 05749 72173 62719 30516 72481 927 5 00000	USB	(AB/MPJ)
S06s	16145	13-11	0600	Tue	438 925 6 82415 04728 42617 92540 83261 72045 925 5 00000	USB	(AB-AUT)
S06s	14240	13-11	0610	Tue	438 925 6 82415 04728 42617 92540 83261 72045 925 5 00000	USB	(AB-UKR)
S06s	5250	13-11	0700	Tue	374 216 5 11749 70552 56936 57989 05371 216 5 00000	USB	(AB)
S06s	6320	13-11	0715	Tue	374 216 5 11749 70552 56936 57989 05371 216 5 00000	USB	(AB)
S06s	7410	13-11	0730	Tue	427 805 6 88569 89617 25757 77158 95225 84090 805 6 00000	USB	(AB)
S06s	11532	13-11	0740	Tue	427 805 6 88569 89617 25757 77158 95225 84090 805 6 00000	USB	(AB)
S06s	11945	13-11	0800	Tue	352 479 6 26634 14690 95590 60486 03009 68431 479 6 00000	USB	(AB)
S06s	13195	13-11	0810	Tue	352 479 6 26634 14690 95590 60486 03009 68431 479 6 00000	USB	(AB)
S06s	6440	13-11	1000	Tue	893 214 5 49665 94092 48521 63888 92060 214 5 00000	USB	(AB)
S06s	5660	13-11	1010	Tue	893 214 5 49665 94092 48521 63888 92060 214 5 00000	USB	(AB)
S06s	5035	13-11	1100	Tue	754 962 8 52801 63919 92699 14600 74248 48754 65125 41879 962 8 00000	USB	(AB/MPJ)
S06s	5975	13-11	1110	Tue	754 962 8 52801 63919 92699 14600 74248 48754 65125 41879 962 8 00000	USB	(AB/MPJ)
S06s	6845	13-11	1500	Tue	537 904 6 09394 76911 75155 92918 97067 68604 904 6 00000	USB	(AB/MPJ)
S06s	9170	13-11	1510	Tue	537 904 6 09394 76911 75155 92918 97067 68604 904 6 00000	USB	(AB/MPJ)
S06s	8417	14-11	0820	Wed	471 958 6 42036 01653 15521 53005 51135 14199 958 6 00000	USB	(AB)
S06s	7062	14-11	0830	Wed	464 953 7 06675 86415 56075 94063 57989 84648 68362 953 7 00000	USB	(AB)
S06s	9262	14-11	0830	Wed	471 958 6 42036 01653 15521 53005 51135 14199 958 6 00000	USB	(AB)
S06s	11535	14-11	0830	Wed	745 963 8 52098 08497 28075 85052 82152 62725 14535 58231 963 8 00000	USB	(AB)
S06s	10532	14-11	0840	Wed	464 953 7 06675 86415 56075 94063 57989 84648 68362 953 7 00000	USB	(AB)
S06s	11830	14-11	0840	Wed	745 963 8 52098 08497 28075 85052 82152 62725 14535 58231 963 8 00000	USB	(AB)
S06s	12365	14-11	1000	Wed	729 465 8 87566 75855 07443 51240 62434 54159 77888 02656 465 8 00000	USB	(AB)
S06s	14280	14-11	1010	Wed	729 465 8 87566 75855 07443 51240 62434 54159 77888 02656 465 8 00000	USB	(AB)
S06s	8812	15-11	0930	Thu	314 986 5 46446 43475 65453 38083 54054 986 5 00000	USB	(AB)
S06s	9540	15-11	0940	Thu	314 986 5 46446 43475 65453 38083 54054 986 5 00000	USB	(AB)
S06s	12155	15-11	1200	Thu	425 986 7 98328 35751 35375 31716 81515 48254 44053 986 7 00000	USB	(AB/MPJ/JU)
S06s	10920	15-11	1210	Thu	425 986 7 98328 35751 35375 31716 81515 48254 44053 986 7 00000	USB	(AB/MPJ)
S06s	5765	16-11	0900	Fri	624 817 5 39976 43843 39801 35875 42149 817 5 00000	USB	(AB)
S06s	6315	16-11	0910	Fri	624 817 5 39976 43843 39801 35875 42149 817 5 00000	USB	(AB)
S06s	11780	16-11	0930	Fri	516 974 8 48007 37230 46446 43475 35453 38032 36584 35194 974 8 0000	USB	(AB)
S06s	12570	16-11	0940	Fri	516 974 8 48007 37230 46446 43475 35453 38032 36584 35194 974 8 0000	USB	(AB)
S06s	13470	19-11	0630	Mon	524 930 6 33699 39998 30677 35947 83964 40774 930 6 00000	USB	(AB-I)
S06s	16515	19-11	0640	Mon	524 930 6 33699 39998 30677 35947 83964 40774 930 6 00000	USB	(AB-I)
S06s	8057	19-11	0830	Mon	371 982 5 25861 33432 89219 33494 27142 982 5 00000	USB	(AB)
S06s	8530	19-11	0840	Mon	371 982 5 25861 33432 89219 33494 27142 982 5 00000	USB	(AB)



S06s	14675	19-11	0900	Mon	872 910 5 24917 36991 28642 20996 35222 910 5 00000	USB	(AB-I)
S06s	12830	19-11	0910	Mon	872 910 5 24917 36991 28642 20996 35222 910 5 00000	USB	(AB)
S06s	8420	19-11	1300	Mon	831 920 5 44475 20322 26024 45445 44008 920 5 00000	USB	(AB/MPJ)
S06s	10635	19-11	1310	Mon	831 920 5 44475 20322 26024 45445 44008 920 5 00000	USB	(AB/MPJ)
S06s	5250	20-11	0700	Tue	374 956 8 40244 36012 38322 47552 42620 40846 20519 55564 956 8 00000	USB	(AB)
S06s	6320	20-11	0715	Tue	374 956 8 40244 36012 38322 47552 42620 40846 20519 55564 956 8 00000	USB	(AB)
S06s	7410	20-11	0730	Tue	427 591 6 44475 30322 36034 45445 44008 38453 591 6 00000	USB	(AB)
S06s	11532	20-11	0740	Tue	427 591 6 44475 30322 36034 45445 44008 38453 591 6 00000	USB	(AB)
S06s	11945	20-11	0800	Tue	352 970 6 83964 40774 45983 38882 31151 32860 970 6 00000	USB	(AB)
S06s	13195	20-11	0810	Tue	352 970 6 83964 40774 45983 38882 31151 32860 970 6 00000	USB	(AB)
S06s	5035	20-11	1100	Tue	754 801 6 43043 38367 33406 42366 37868 37250 801 6 00000	USB	(AB/MPJ)
S06s	5975	20-11	1110	Tue	754 801 6 43043 38367 33406 42366 37868 37250 801 6 00000	USB	(AB/MPJ)
S06s	6845	20-11	1500	Tue	537 809 6 44008 38453 48324 33885 31830 34645 809 6 00000	USB	(MPJ)
S06s	9170	20-11	1510	Tue	537 809 6 44008 38453 48324 33885 31830 34645 809 6 00000	USB	(MPJ)
S06s	8417	21-11	0820	Wed	471 236 5 32940 43079 32154 30738 56864 236 5 00000	USB	(AB)
S06s	7062	21-11	0830	Wed	464 973 5 34806 32963 31716 81515 30841 973 5 00000	USB	(AB)
S06s	9262	21-11	0830	Wed	471 236 5 32940 43079 32154 30738 56864 236 5 00000	USB	(AB)
S06s	11535	21-11	0830	Wed	745 281 6 40639 33180 48008 34072 83030 32030 281 6 00000	USB	(AB)
S06s	10532	21-11	0840	Wed	464 973 5 34806 32963 31716 81515 30841 973 5 00000	USB	(AB)
S06s	11830	21-11	0840	Wed	745 281 6 40639 33180 48008 34072 83030 32030 281 6 00000	USB	(AB)
S06s	12360	21-11	1000	Wed	729 406 5 40936 36892 45221 43796 86234 406 5 00000 Should be on 12365 kHz	USB	(AB)
S06s	14280	21-11	1010	Wed	729 406 5 40936 36892 45221 43796 86234 406 5 00000	USB	(AB)
S06s	8812	22-11	0930	Thu	314 986 5 46446 43475 65453 38083 54054 986 5 00000	USB	(AB)
S06s	9540	22-11	0940	Thu	314 986 5 46446 43475 65453 38083 54054 986 5 00000	USB	(AB)
S06s	12155	22-11	1200	Thu	425 986 7 98328 35751 35375 31716 81515 48254 44053 986 7 00000	USB	(AB/MPJ)
S06s	10920	22-11	1210	Thu	425 986 7 98328 35751 35375 31716 81515 48254 44053 986 7 00000	USB	(AB/MPJ)
S06s	5765	23-11	0900	Fri	624 817 5 39976 43843 39801 35875 42149 817 5 00000	USB	(AB)
S06s	6315	23-11	0910	Fri	624 817 5 39976 43843 39801 35875 42149 817 5 00000	USB	(AB)
S06s	11780	23-11	0930	Fri	516 974 8 48007 37230 46446 43475 35453 38032 36584 35194 974 8 0000	USB	(AB)
S06s	12570	23-11	0940	Fri	516 974 8 48007 37230 46446 43475 35453 38032 36584 35194 974 8 0000	USB	(AB)
S06s	13470	26-11	0630	Mon	524 930 6 33699 39998 30677 35947 83964 40774 930 6 00000	USB	(AB)
S06s	8057	26-11	0830	Mon	371 982 5 25861 33432 89219 33494 27142 982 5 00000	USB	(AB)
S06s	8530	26-11	0840	Mon	371 982 5 25861 33432 89219 33494 27142 982 5 00000	USB	(AB)
S06s	14675	26-11	0900	Mon	872 910 5 24917 36991 28642 20996 35222 910 5 00000	USB	(AB-AUT)
S06s	12830	26-11	0910	Mon	872 910 5 24917 36991 28642 20996 35222 910 5 00000	USB	(AB)
S06s	8420	26-11	1300	Mon	831 920 5 44475 20322 26024 45445 44008 920 5 00000	USB	(AB-S)
S06s	10635	26-11	1310	Mon	831 920 5 44475 20322 26024 45445 44008 920 5 00000	USB	(AB/MPJ)
S06s	14240	27-11	0600	Tue	438 509 6 36444 27144 96123 84424 29808 42033 509 6 00000	USB	(AB-S)
S06s	16145	27-11	0600	Tue	438 509 6 36444 27144 96123 84424 29808 42033 509 6 00000	USB	(AB-S)
S06s	5250	27-11	0700	Tue	374 956 8 40244 36012 38322 47552 42620 40846 20519 55564 956 8 00000	USB	(AB)

<b>S06s</b>	6320	27-11	0715	Tue	374 956 8 40244 36012 38322 47552 42620 40846 20519 55564 956 8 00000	USB	(AB)
<b>S06s</b>	7410	27-11	0730	Tue	427 591 6 44475 30322 36034 45445 44008 38453 591 6 00000	USB	(AB)
<b>S06s</b>	11532	27-11	0740	Tue	427 591 6 44475 30322 36034 45445 44008 38453 591 6 00000	USB	(AB)
<b>S06s</b>	11945	27-11	0800	Tue	352 970 6 83964 40774 45983 38882 31151 32860 970 6 00000	USB	(AB)
<b>S06s</b>	13195	27-11	0810	Tue	352 970 6 83964 40774 45983 38882 31151 32860 970 6 00000	USB	(AB)
<b>S06s</b>	6440	27-11	1000	Tue	893 570 6 37545 30989 41691 43753 32543 40936 570 6 00000	USB	(AB)
<b>S06s</b>	5660	27-11	1010	Tue	893 570 6 37545 30989 41691 43753 32543 40936 570 6 00000	USB	(AB)
<b>S06s</b>	5035	27-11	1100	Tue	754 801 6 43043 38367 33406 42366 37868 37250 801 6 00000	USB	(AB/MPJ)
<b>S06s</b>	5975	27-11	1110	Tue	754 801 6 43043 38367 33406 42366 37868 37250 801 6 00000	USB	(AB/MPJ)
<b>S06s</b>	6845	27-11	1500	Tue	537 809 6 44008 38453 48324 33885 31830 34645 809 6 00000	USB	(AB)
<b>S06s</b>	9170	27-11	1510	Tue	537 809 6 44008 38453 48324 33885 31830 34645 809 6 00000	USB	(AB)
<b>S06s</b>	8417	28-11	0820	Wed	471 236 5 32940 43079 32154 30738 56864 236 5 00000	USB	(AB)
<b>S06s</b>	7062	28-11	0830	Wed	464 973 5 34806 32963 31716 81515 30841 973 5 00000	USB	(AB)
<b>S06s</b>	9262	28-11	0830	Wed	471 236 5 32940 43079 32154 30738 56864 236 5 00000	USB	(AB)
<b>S06s</b>	11535	28-11	0830	Wed	745 281 6 40639 33180 48008 34072 83030 32030 281 6 00000	USB	(AB)
<b>S06s</b>	10532	28-11	0840	Wed	464 973 5 34806 32963 31716 81515 30841 973 5 00000	USB	(AB)
<b>S06s</b>	11830	28-11	0840	Wed	745 281 6 40639 33180 48008 34072 83030 32030 281 6 00000	USB	(AB)
<b>S06s</b>	12360	28-11	1000	Wed	729 406 5 40936 36892 45221 43796 86234 406 5 00000 Should be on 12365 kHz	USB	(AB)
<b>S06s</b>	14280	28-11	1010	Wed	729 406 5 40936 36892 45221 43796 86234 406 5 00000	USB	(AB)
<b>S06s</b>	8812	29-11	0930	Thu	314 314 314 00000	USB	(AB)
<b>S06s</b>	9540	29-11	0940	Thu	314 314 314 00000	USB	(AB)
<b>S06s</b>	12155	29-11	1200	Thu	425 425 425 00000	USB	(AB/MPJ)
<b>S06s</b>	10920	29-11	1210	Thu	425 425 425 00000	USB	(AB/MPJ)
<b>S06s</b>	5765	30-11	0900	Fri	624 624 624 00000	USB	(AB)
<b>S06s</b>	6315	30-11	0910	Fri	624 624 624 00000	USB	(AB)
<b>S06s</b>	11780	30-11	0930	Fri	Transmitter problems. Long tuning then 624 624 624 00000. Again tuning 0941z followed by the correct one 516 516 516 00000	USB	(AB)
<b>S06s</b>	12570	30-11	0951	Fri	11 minutes late due to problems at 0930z. 516 516 516 00000	USB	(AB)
<b>S11a</b>	11559	1-11	1015	Thu	577/00	USB	(HFD)
<b>S11a</b>	4828	2-11	0455	Fri	320/00	USB	(AB)
<b>S11a</b>	5815	2-11	1955	Fri	370/00	USB	(AB/MPJ/HFD)
<b>S11a</b>	10728	3-11	1540	Sat	565/00	USB	(MPJ/HFD)
<b>S11a</b>	11486	3-11	1850	Sat	282/00	USB	(AB-AUT/MPJ)
<b>S11a</b>	11559	5-11	1015	Mon	475/36 83077 12963 35387 ... 36844 72961 17922 (msg rptd) Konets. No "Vnimaniye"	USB	(AB/LA6LU)
<b>S11a</b>	7600	6-11	1020	Tue	421/00	USB	(AB)
<b>S11a</b>	10728	7-11	1540	Wed	563/00	USB	(AB/MPJ)
<b>S11a</b>	11486	7-11	1850	Wed	Null message	USB	(AB)
<b>S11a</b>	5815	7-11	1955	Wed	376/37 55438 30306 74691 ... 05767 95392 27049 (msg rptd) Konets. No "Vnimaniye"	USB	(AB/MPJ)
<b>S11a</b>	4828	9-11	0455	Fri	328/00	USB	(AB)
<b>S11a</b>	7600	9-11	1020	Fri	425/00	USB	(AB/MPJ/HFD)



<b>S11a</b>	5815	9-11	1955	Fri	376/37 55438 30306 74691 ... 05767 95392 27049 (msg rptd) Konets. No "Vnimanaye"	USB	(AB/MPJ/BW3-HOL)
<b>S11a</b>	10728	10-11	1540	Sat	569/00	USB	(AB/MPJ)
<b>S11a</b>	11486	10-11	1850	Sat	286/00	USB	(AB-AUT/MPJ/HFD)
<b>S11a</b>	11559	12-11	1015	Mon	477/00	USB	(AB)
<b>S11a</b>	14753	13-11	0735	Tue	384/00	USB	(AB-AUT/HFD)
<b>S11a</b>	7600	13-11	1020	Tue	421/31 56153 31608 89285 ... 58315 12768 21212 (msg rptd) Konets	USB	(AB)
<b>S11a</b>	10728	14-11	1540	Wed	567/35 33270 76121 38347 ... 03046 35177 07549 (msg rptd) Konets	USB	(AB-G/MPJ/BW3)
<b>S11a</b>	11486	14-11	1850	Wed	286/39 53000 98257 38293 ... 92750 94949 29905 (msg rptd) Konets.	USB	(AB/MPJ)
<b>S11a</b>	5815	14-11	1955	Wed	377/00	USB	(AB)
<b>S11a</b>	11559	15-11	1015	Thu	476/00	USB	(AB)
<b>S11a</b>	4828	16-11	0455	Fri	322/00	USB	(AB)
<b>S11a</b>	7600	16-11	1020	Fri	421/31 56153 31608 89285 ... 58315 12768 21212 (msg rptd) Konets	USB	(AB)
<b>S11a</b>	5815	16-11	1955	Fri	379/00	USB	(AB/MPJ)
<b>S11a</b>	10728	17-11	1540	Sat	567/35 33270 76121 38347 ... 03046 35177 07549 (msg rptd) Konets	USB	(MPJ)
<b>S11a</b>	11486	17-11	1850	Sat	286/39 53000 98257 38293 ... 92750 94949 29905 (msg rptd) Konets.	USB	(AB-AUT/MPJ)
<b>S11a</b>	11559	19-11	1015	Mon	470/00	USB	(AB)
<b>S11a</b>	4828	20-11	0450	Tue	329/39 Vnimanaye 31489 49335 62767 ...	USB	(AB)
<b>S11a</b>	14753	20-11	0735	Tue	382/00	USB	(AB-AUT)
<b>S11a</b>	7600	20-11	1020	Tue	429/00	USB	(AB)
<b>S11a</b>	10728	21-11	1540	Wed	565/00	USB	(AB/MPJ)
<b>S11a</b>	11486	21-11	1850	Wed	281/00	USB	(AB-AUT/MPJ)
<b>S11a</b>	5815	21-11	1955	Wed	373/00	USB	(AB/MPJ)
<b>S11a</b>	14753	22-11	0735	Thu	380/00	USB	(AB)
<b>S11a</b>	14753	22-11	0735	Thu	380/00	USB	(AB)
<b>S11a</b>	11559	22-11	1015	Thu	479/00	USB	(AB)
<b>S11a</b>	4828	23-11	0455	Fri	329/39 Vnimanaye 31489 49335 62767 ...	USB	(AB)
<b>S11a</b>	7600	23-11	1020	Fri	427/00	USB	(AB)
<b>S11a</b>	5815	23-11	1955	Fri	376/00	USB	(AB)
<b>S11a</b>	10728	24-11	1540	Sat	566/00	USB	(AB-G/MPJ-I)
<b>S11a</b>	11486	24-11	1850	Sat	280/00	USB	(AB-AUT/MPJ)
<b>S11a</b>	11559	26-11	1015	Mon	476/00	USB	(AB)
<b>S11a</b>	4828	27-11	0450	Tue	328/00	USB	(AB)
<b>S11a</b>	14753	27-11	0735	Tue	384/39 Vnimanaye 19336 89702 35405 ... 28427 53418 77368 Vnimanaye (msg rptd) Konets	USB	(AB-QAT)
<b>S11a</b>	7600	27-11	1020	Tue	420/00	USB	(AB)
<b>S11a</b>	10728	28-11	1540	Wed	566/00	USB	(AB)
<b>S11a</b>	11486	28-11	1850	Wed	282/00	USB	(AB-AUT/MPJ)
<b>S11a</b>	5815	28-11	1955	Wed	373/00	USB	(AB/MPJ)
<b>S11a</b>	4828	30-11	0455	Fri	325/00	USB	(AB-POL)

<b>S11a</b>	7600	30-11	1020	Fri	424/00	USB	(AB)
<b>S11a</b>	5815	30-11	1955	Fri	373/00	USB	(AB-AUT/MPJ)
<b>S28</b>	4625	9-11	2123	Fri	Buzzer channel marker	USB	(AB)
<b>S30</b>	3756	5-11	1617	Mon	Pip channel marker	USB	(AB)
<b>S30</b>	3756	9-11	2121	Fri	Pip channel marker	USB	(AB)
<b>S32</b>	3828	9-11	2120	Fri	Squeaky Wheel channel marker	USB	(AB)
<b>S5292</b>	6481	1-11	1800	Thu	Channel marker D	USB	(AB)
<b>SITOR-A</b>	17426.7	7-11	0909	Wed	Egyptian diplo i.p. Ends with: RD HJKJ KBS THS 2222 HUXD +?PS KY NN+? followed by Codan traffic	100/170	(AB)
<b>UM01</b>	3536	13-11	1550	Tue	10-minutes net: ZJL4 //3805 kHz	CW	(JPL-CHN)
<b>UM01</b>	3805	13-11	1550	Tue	10-minutes net: ZJL4 //3536 kHz	CW	(JPL-CHN)
<b>UM01</b>	3648	13-11	1553	Tue	10-minutes net: OUCH	CW	(JPL-CHN)
<b>UM03</b>	8111	5-11	0001	Mon	i.p. OK 7G DHLGL ? AS AS (Both stations on this frequency) NR NR 45 NR 45 CK 50 50 0 .. ? = UJYBQ .DK ZCR FUXMO DFXEG	CW	(JPL-CHN)
<b>UM03</b>	6715	16-11	1208	Fri	i.p. PCHAL FDNNJ JUMOB OTVFA BBXYB RJSND AR NR NR 23178 NR 23178 = = VYRV. RT.II QHFGF LPGIN ...	CW	(JPL-CHN)
<b>UM10</b>	3648	12-11	1824	Mon	10-minutes net: OUCH	CW	(JPL-KOR)
<b>UM10</b>	3536	12-11	1924	Mon	10-minutes net: ZJL4	CW	(JPL-KOR)
<b>UM10</b>	3536	13-11	1417	Tue	10-minutes net: ZJL4	CW	(AB-RUS)
<b>UM10</b>	3648	13-11	1419	Tue	10-minutes net: OUCH	CW	(AB-RUS)
<b>UM10</b>	3805	14-11	1617	Wed	10-minutes net: ZJL4	CW	(JPL-KOR)
<b>UM10</b>	3536	15-11	1515	Thu	10-minutes net: ZJL4	CW	(JPL-KOR)
<b>UM10</b>	3648	19-11	1122	Mon	10-minutes net: OUCH	CW	(JPL-J)
<b>UM10</b>	3536	20-11	1549	Tue	10-minutes net: ZJL4	CW	(JPL-KOR)
<b>UM10</b>	3648	21-11	1451	Wed	10-minutes net: OUCH	CW	(JPL-KOR)
<b>UM10</b>	3805	21-11	1745	Wed	10-minutes net: ZJL4	CW	(JPL-KOR)
<b>UM10</b>	5826	28-11	0116	Wed	10-minutes net: XZTA //6793 kHz	CW	(JPL-Sib)
<b>UM10</b>	6793	28-11	0116	Wed	10-minutes net: XZTA //5826 kHz	CW	(JPL-Sib)
<b>V07</b>	15946	4-11	0100	Sun	984 984 984 000	USB	(Token)
<b>V07</b>	14846	4-11	0120	Sun	984 984 984 000	USB	(Token)
<b>V07</b>	15946	11-11	0100	Sun	984 984 984 1 240 55 52272 54143 89935 ...98188 87281 000 000	USB	(Dan/SDX/HFD)
<b>V07</b>	14846	11-11	0120	Sun	984 984 984 1 240 55 52272 54143 89935 ...98188 87281 000 000	USB	(Dan/SDX/HFD)
<b>V07</b>	13486	11-11	0140	Sun	984 984 984 1 240 55 52272 54143 89935 ...98188 87281 000 000	USB	(Dan/SDX/HFD)
<b>V07</b>	15946	18-11	0100	Sun	984 984 984 000	USB	(Dan/SDX)
<b>V07</b>	14846	18-11	0120	Sun	984 984 984 000	USB	(Dan/SDX)
<b>V07</b>	13486	25-11	0100	Sun	984 984 984 1 8814 67 73320 62491 76344 ... 60689 83402 000 000	USB	(Dan/SDX)
<b>V07</b>	14846	25-11	0100	Sun	984 984 984 1 8814 67 73320 62491 76344 ... 60689 83402 000 000	USB	(Dan/SDX)
<b>V07</b>	15946	25-11	0100	Sun	984 984 984 1 8814 67 73320 62491 76344 ... 60689 83402 000 000	USB	(Dan/SDX)
<b>V13</b>	7502	3-11	1330	Sat	New Star Broadcasting	AM	(SDX)
<b>V13</b>	7502	4-11	1330	Sun	New Star Broadcasting	AM	(SDX)

V13	11430	6-11	1330	Tue	New Star Broadcasting	AM	(AB-J)
V13	7502	27-11	1231	Tue	New Star Broadcasting	USB	(SDX)
V15	657	8-11	1546	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320 kHz	AM	(AB-J)
V15	3320	8-11	1546	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //657 kHz	AM	(AB-J)
V15	657	17-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320, 6400 kHz	AM	(BW3)
V15	3320	17-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //6400, 657 kHz	AM	(BW3)
V15	6400	17-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320, 657 kHz	AM	(BW3)
V15	657	22-11	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320 kHz	AM	(AB-KOR)
V15	3320	22-11	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //657 kHz	AM	(AB-KOR)
V24	6310	1-11	1630	Thu	Popsong followed by a message in Korean	USB	(AB/SDX/MDK2)
V24	6215	5-11	1500	Mon	Popsong followed by a message in Korean	AM	(AB/SDX)
V24	6215	7-11	1501	Wed	Light pop song than YL w/ numbers in Korean at 1503z	AM	(SDX)
V24	6310	8-11	1530	Thu	Popsong followed by a message in Korean	AM	(AB-J/SDX)
V24	6215	9-11	1500	Fri	Intro pop song followed by numbers in Korean	AM	(SDX/BW3-J)
V24	4900	23-11	1530	Fri	Popsong followed by a message in Korean	AM	(AB-J/SDX)
V24	4900	27-11	1530	Tue	Intro pop song followed by numbers in Korean	USB	(SDX)
V26	4243	5-11	2359	Mon	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	9054	5-11	2359	Mon	Messages in Chinese. Female operator //4243	USB	(JPL)
V26	4243	9-11	1204	Fri	Messages in Chinese Female operator	USB	(JPL)
V26	4243	12-11	1155	Mon	Messages in Chinese. Female operator	USB	(JPL)
V26	8073	13-11	1130	Tue	Callup in Chinese. Male operator	USB	(JPL)
V28	3051	4-11	1302	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	4-11	1302	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2931	4-11	1303	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2997	4-11	1305	Sun	Parrot. Test. Male operator	AM	(HK)
V28	4625	6-11	2203	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4974	6-11	2203	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	6-11	2205	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5170	6-11	2207	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2996	29-11	1311	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4627	29-11	2159	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	29-11	2200	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4983	29-11	2203	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	30-11	1247	Fri	Parrot. Test?? Male operator	AM	(HK)
V28	2933	30-11	1300	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	30-11	1300	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3051	30-11	1303	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2998	30-11	1305	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4494	30-11	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4640	30-11	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)

V28	4978	30-11	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5156	30-11	2205	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
VC01	4943	7-11	2140	Wed	Chinese Robot i.p.	USB	(BW3-J)
VC01	4943	8-11	1715	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5919	9-11	0517	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7864	9-11	0517	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	4943	9-11	1603	Fri	Chinese Robot i.p.	USB	(BW3-J)
VC01	4943	9-11	1704	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4943	13-11	1327	Tue	Chinese Robot i.p.	USB	(AB-J)
VC01	4943	14-11	2224	Wed	Chinese Robot i.p.	USB	(BW3-KOR)
VC01	5919	16-11	0626	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7864	16-11	0626	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	4943	23-11	1156	Fri	Chinese Robot i.p.	USB	(AB-J)
VC01	4943	23-11	1745	Fri	Chinese Robot i.p.	USB	(BW3-KOR)
VC01	4943	24-11	1637	Sat	Chinese Robot i.p.	USB	(BW3-KOR)
VC01	4943	26-11	1805	Mon	Chinese Robot i.p.	USB	(BW3)
VC01	4943	29-11	0003	Thu	Chinese Robot i.p.	USB	(LA6LU)
X06	14861	27-11	0819	Tue	Sequence: 542136	MFSK-6	(Phi)
X06	6877	29-11	1910	Thu	i.p. Sequence: 645321 Ended at 1920 UTC	MFSK-6	(AB)
XPA	13978	6-11	0810	Tue	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB/HFD)
XPA	14859	6-11	0830	Tue	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB/HFD)
XPA	15871	6-11	0850	Tue	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB/HFD)
XPA	13978	8-11	0810	Thu	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB)
XPA	14859	8-11	0830	Thu	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB)
XPA	15871	8-11	0850	Thu	587 587 587 1 08004 00111 10095 ... 63901 73018 07062	MFSK-20/10Bd	(AB)
XPA	13978	13-11	0810	Tue	587 587 587 000 07545 00001 00000 36263	MFSK-20/10Bd	(AB)
XPA	14859	13-11	0830	Tue	587 587 587 000 07545 00001 00000 36263	MFSK-20/10Bd	(AB)
XPA	15871	13-11	0850	Tue	587 587 587 000 07545 00001 00000 36263	MFSK-20/10Bd	(AB)
XPA	13978	15-11	0810	Thu	587 587 587 000 06385 00001 00000 35266	MFSK-20/10Bd	(AB)
XPA	14859	15-11	0830	Thu	587 587 587 000 06385 00001 00000 35266	MFSK-20/10Bd	(AB)
XPA	15871	15-11	0850	Thu	587 587 587 000 06385 00001 00000 35266	MFSK-20/10Bd	(AB)
XPA	13978	20-11	0810	Tue	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	14859	20-11	0830	Tue	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	15871	20-11	0850	Tue	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	13978	22-11	0810	Thu	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	14859	22-11	0830	Thu	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	15871	22-11	0850	Thu	587 587 587 1 00571 00135 50615 ... 58210 90427 45173	MFSK-20/10Bd	(AB)
XPA	13978	27-11	0810	Tue	587 587 587 000 03589 00001 00000 40263	MFSK-20/10Bd	(AB)
XPA	14859	27-11	0830	Tue	587 587 587 000 03589 00001 00000 40263	MFSK-20/10Bd	(AB)
XPA	15871	27-11	0850	Tue	587 587 587 000 03589 00001 00000 40263	MFSK-20/10Bd	(AB)

<b>XPA</b>	13978	29-11	0810	Thu	587 587 587 000 03480 00001 00000 33263	MFSK-20/10Bd	(AB)
<b>XPA</b>	14859	29-11	0830	Thu	587 587 587 000 03480 00001 00000 33263	MFSK-20/10Bd	(AB)
<b>XPA</b>	15871	29-11	0850	Thu	587 587 587 000 03480 00001 00000 33263	MFSK-20/10Bd	(AB)
<b>XPA2</b>	17462	2-11	1400	Fri	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16114	2-11	1420	Fri	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14828	2-11	1440	Fri	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	15985	3-11	0910	Sat	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14885	3-11	0930	Sat	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13885	3-11	0950	Sat	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17462	3-11	1400	Sat	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16114	3-11	1420	Sat	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14828	3-11	1440	Sat	00395 00099 12003 ... 34623 53018 07030	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	18238	4-11	1300	Sun	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	16238	4-11	1320	Sun	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	14438	4-11	1340	Sun	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	13427	5-11	0800	Mon	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14627	5-11	0820	Mon	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15827	5-11	0840	Mon	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18238	6-11	1300	Tue	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16238	6-11	1320	Tue	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14438	6-11	1340	Tue	00618 00079 52904 ... 52834 71115 05134	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13427	7-11	0800	Wed	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14627	7-11	0820	Wed	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15827	7-11	0840	Wed	03352 00167 97942 ... 10349 65130 75003	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17413	7-11	0910	Wed	00422 00091 12211 ... 67357 83015 16744	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15852	7-11	0930	Wed	00422 00091 12211 ... 67357 83015 16744	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13363	7-11	0950	Wed	00422 00091 12211 ... 67357 83015 16744	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15985	8-11	0910	Thu	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14885	8-11	0930	Thu	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13885	8-11	0950	Thu	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17462	9-11	1400	Fri	03798 00001 00000 40664	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	16114	9-11	1420	Fri	03798 00001 00000 40664	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	14828	9-11	1440	Fri	03798 00001 00000 40664	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	15985	10-11	0910	Sat	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14885	10-11	0930	Sat	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13885	10-11	0950	Sat	00617 00081 43171 ... 23701 27398 31173	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17462	10-11	1400	Sat	07817 00001 00000 40660	MFSK-16/20Bd	(AB/Dan/MPJ/RL)
<b>XPA2</b>	16114	10-11	1420	Sat	07817 00001 00000 40660	MFSK-16/20Bd	(AB/Dan/MPJ/RL)
<b>XPA2</b>	14828	10-11	1440	Sat	07817 00001 00000 40660	MFSK-16/20Bd	(AB/Dan/MPJ)
<b>XPA2</b>	18238	11-11	1300	Sun	03784 00001 00000 36663	MFSK-16/20Bd	(AB/RL/MPJ)

XPA2	16238	11-11	1320	Sun	03784 00001 00000 36663	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	14438	11-11	1340	Sun	03784 00001 00000 36663	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	13427	12-11	0800	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	14627	12-11	0820	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	15827	12-11	0840	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	17413	12-11	0910	Mon	01858 00001 00000 41256	MFSK-16/20Bd	(AB)
XPA2	15852	12-11	0930	Mon	01858 00001 00000 41256	MFSK-16/20Bd	(AB)
XPA2	13363	12-11	0950	Mon	01858 00001 00000 41256	MFSK-16/20Bd	(AB)
XPA2	18238	13-11	1300	Tue	08898 00001 00000 41271	MFSK-16/20Bd	(AB/MPJ)
XPA2	16238	13-11	1320	Tue	08898 00001 00000 41271	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	13-11	1340	Tue	08898 00001 00000 41271	MFSK-16/20Bd	(AB/MPJ)
XPA2	13427	14-11	0800	Wed	05739 00001 00000 41260	MFSK-16/20Bd	(AB/Dan)
XPA2	14627	14-11	0820	Wed	05739 00001 00000 41260	MFSK-16/20Bd	(AB/Dan)
XPA2	15827	14-11	0840	Wed	05739 00001 00000 41260	MFSK-16/20Bd	(AB/Dan)
XPA2	17413	14-11	0910	Wed	06552 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	15852	14-11	0930	Wed	06552 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	13363	14-11	0950	Wed	06552 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	15985	15-11	0910	Thu	05167 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14885	15-11	0930	Thu	05167 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	13885	15-11	0950	Thu	05167 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	17462	16-11	1400	Fri	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(AB-GRC/MPJ)
XPA2	16114	16-11	1420	Fri	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	16-11	1440	Fri	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	17-11	0910	Sat	06672 00001 00000 36665	MFSK-16/20Bd	(AB/HFD)
XPA2	14885	17-11	0930	Sat	06672 00001 00000 36665	MFSK-16/20Bd	(AB/HFD)
XPA2	13885	17-11	0950	Sat	06672 00001 00000 36665	MFSK-16/20Bd	(AB/HFD)
XPA2	17462	17-11	1400	Sat	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(MPJ/RL)
XPA2	16114	17-11	1420	Sat	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(MPJ/RL)
XPA2	14828	17-11	1440	Sat	00312 00125 95863 ... 33135 93779 34212	MFSK-16/20Bd	(MPJ/RL/BW3)
XPA2	18238	18-11	1300	Sun	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/RL)
XPA2	16238	18-11	1320	Sun	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/RL)
XPA2	14438	18-11	1340	Sun	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/RL)
XPA2	13427	19-11	0800	Mon	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	14627	19-11	0820	Mon	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	15827	19-11	0840	Mon	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	17413	19-11	0910	Mon	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB/HFD)
XPA2	15852	19-11	0930	Mon	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB/HFD)
XPA2	13363	19-11	0950	Mon	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB/HFD)
XPA2	18238	20-11	1300	Tue	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/MPJ)
XPA2	16238	20-11	1320	Tue	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/MPJ)



XPA2	14438	20-11	1340	Tue	00154 00083 92885 ... 68571 45211 51666	MFSK-16/20Bd	(AB/MPJ)
XPA2	13427	21-11	0800	Wed	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	14627	21-11	0820	Wed	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	15827	21-11	0840	Wed	03050 00159 32340 ... 85099 76106 61353	MFSK-16/20Bd	(AB)
XPA2	17413	21-11	0910	Wed	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB)
XPA2	15852	21-11	0930	Wed	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB)
XPA2	13363	21-11	0950	Wed	00299 00121 43056 ... 29198 12333 22216	MFSK-16/20Bd	(AB)
XPA2	15985	22-11	0910	Thu	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	14885	22-11	0930	Thu	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	13885	22-11	0950	Thu	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	17462	23-11	1400	Fri	08079 00001 00000 35667	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	16114	23-11	1420	Fri	08079 00001 00000 35667	MFSK-16/20Bd	(AB/GHn/MPJ)
XPA2	14828	23-11	1440	Fri	08079 00001 00000 35667	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	15985	24-11	0910	Sat	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	14885	24-11	0930	Sat	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	13885	24-11	0950	Sat	07827 00103 22055 ... 28866 34060 34031	MFSK-16/20Bd	(AB)
XPA2	17462	24-11	1400	Sat	03839 00001 00000 41656	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	16114	24-11	1420	Sat	03839 00001 00000 41656	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14828	24-11	1440	Sat	03839 00001 00000 41656	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	18238	25-11	1300	Sun	03251 00001 00000 32660	MFSK-16/20Bd	(AB/MPJ)
XPA2	16238	25-11	1320	Sun	03251 00001 00000 32660	MFSK-16/20Bd	(AB/MPJ)
XPA2	14438	25-11	1340	Sun	03251 00001 00000 32660	MFSK-16/20Bd	(AB/MPJ)
XPA2	13427	26-11	0800	Mon	07259 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	14627	26-11	0820	Mon	07259 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	15827	26-11	0840	Mon	07259 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	17413	26-11	0910	Mon	09592 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	15852	26-11	0930	Mon	09592 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	13363	26-11	0950	Mon	09592 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	18238	27-11	1300	Tue	03458 00001 00000 37260	MFSK-16/20Bd	(AB-RUS)
XPA2	16238	27-11	1320	Tue	03458 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	14438	27-11	1340	Tue	03458 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13427	28-11	0800	Wed	05805 00001 00000 37655	MFSK-16/20Bd	(AB)
XPA2	14627	28-11	0820	Wed	05805 00001 00000 37655	MFSK-16/20Bd	(AB)
XPA2	15827	28-11	0840	Wed	05805 00001 00000 37655	MFSK-16/20Bd	(AB)
XPA2	17413	28-11	0910	Wed	09314 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	15852	28-11	0930	Wed	09314 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	13363	28-11	0950	Wed	09314 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	15985	29-11	0910	Thu	09040 00001 00000 31266	MFSK-16/20Bd	(AB)
XPA2	14885	29-11	0930	Thu	09040 00001 00000 31266	MFSK-16/20Bd	(AB)
XPA2	13885	29-11	0950	Thu	09040 00001 00000 31266	MFSK-16/20Bd	(AB)

<b>XPA2</b>	17462	30-11	1400	Fri	01678 00001 00000 40261	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	16114	30-11	1420	Fri	01678 00001 00000 40261	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	14828	30-11	1440	Fri	01678 00001 00000 40261	MFSK-16/20Bd	(AB/Dan/MPJ)
<b>XSL</b>	4153	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	6-11	1320	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4153	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	4231.5	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	4291	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	6250	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	6417	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	6445	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	8313	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	8588	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	8703.5	9-11	1727	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
<b>XSL</b>	4153	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	13-11	1326	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)



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AB-CHN	Ary Boender via remote rx China	HFD-EST	Hans-Friedrich Dumrese via remote rx Estonia
AB-G	Ary Boender via remote rx UK	HFD-GRC	Hans-Friedrich Dumrese via remote rx Greece
AB-GRC	Ary Boender via remote rx Greece	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-I	Ary Boender via remote rx Italy	HFD-I	Hans-Friedrich Dumrese via remote rx Italy
AB-INS	Ary Boender via remote rx Indonesia	HFD-KOR	Hans-Friedrich Dumrese via remote rx S. Korea
AB-J	Ary Boender via remote rx Japan	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-KOR	Ary Boender via remote rx South Korea	HK	Hiroyuki Komatsubara, Japan
AB-NZL	Ary Boender via remote rx New Zealand	JoeKN	Joe (Kenwood Nerd)
AB-POL	Ary Boender via remote rx Poland	JPL	JPL, NB, Canada (and various remote rx)
AB-QAT	Ary Boender via remote rx Qatar	JPL-CHN	JPL via remote rx China
AB-RUS	Ary Boender via remote rx Russia	JPL-J	JPL via remote rx Japan
AB-S	Ary Boender via remote rx Sweden	JPL-KOR	JPL via remote rx South Korea
AB-UKR	Ary Boender via remote rx Ukraine	JPL-Sib	JPL via remote rx Siberia
AB-USA	Ary Boender via remote rx USA	JU	Jay Updike, W. Europe
AnEur	Anonymous Europe	Kalv-J	Kalvados via remote rx Japan
BW3	Barry Williams, AL, USA	Kris	Kris, Poland
BW3-D	Barry Williams via remote rx Germany	LA6LU	Geir Laastad, Norway
BW3-HOL	Barry Williams via remote rx Netherlands	LG3	Looking Glass, Australia
BW3-J	Barry Williams via remote rx Japan	MDK2	MDK2, USA
BW3-KOR	Barry Williams via remote rx South Korea	MPJ	Jim, SW England
CM2	Chris Malboef	MPJ-AUT	Jim via remote rx Austria
CtY	Ct Yankee	MPJ-GRC	Jim via remote rx Greece
CWS	Ismael, Spain	MPJ-HOL	Jim via remote rx Netherlands
Dan	Daniel LU5EMM, Argentina	MPJ-I	Jim via remote rx Italy
Danix	Danix111, Poland	MPJ-RUS	Jim via remote rx Russia
Danix-IND	Danix via remote rx India	Phi	Philby
Danix-PRG	Danix via remote rx Paraguay	RL	Roberto Landolpho, Brazil
Danix-RUS	Danix via remote rx Russia	RR2	Rich Ray, IL, USA
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ER-HOL	Ernie Rice via remote rx the Netherlands	w.obi	w.obi
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F5JBR-J	F5JBR André via remote rx Japan		
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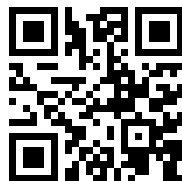
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