

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43296	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
797	58767	76587	58765	76587	58765	76587	58765	76587	58

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #257, February 2019

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

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

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



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## FOREWORD

A busy month but I managed to do some listening and I edited and compiled a lot of logs from fellow dxers. This results in N&O #257. Thanks for your contributions.

The National Military Museum in Soesterberg, The Netherlands hosts an interesting exhibition about the Cold War from February 22nd till September 1st. The NMM is a great museum and worthwhile visiting. <https://www.nmm.nl/alsderussenkomen/>

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## VOICE STATIONS

### E06

#### 17475/20085 kHz, 07-02, 0600/0700 UTC

##### 20085 kHz, 07-02, 0700 UTC

702 349 56

34664 35320 45005 98142 75778 90712 59256 96750 10167 92335  
30521 42547 55171 40742 05780 66509 21030 38857 33319 53398  
23225 97458 08912 66435 74612 39600 16636 45122 43281 33628  
12752 18394 87065 09511 26088 00292 00660 38157 73367 60342  
36267 78404 12913 85833 83717 21374 85164 78170 21000 86872  
13460 50496 71144 51544 63499 18783  
349 56 00000

#### 4760 kHz, 08-02, 2130 UTC

472 967 42

45678 68475 69385 39620 49385 48736 37233 65864 28376 29395  
48638 34693 23852 23468 34679 34687 32929 23658 24368 26722  
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658  
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648  
23936 26389  
967 42 00000

#### 4836 kHz, 21-02, 2030 UTC

321 967 42

45678 68475 69385 39620 49385 48736 37233 65864 28376 29395  
48638 34693 23852 23468 34679 34687 32929 23658 24368 26722  
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658  
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648  
23936 26389  
967 42 00000

Windows shut down sound

#### 4760 kHz, 22-02, 2130 UTC

472 52 (ID used as key group)

12265 10965 47839 38654 84677 93453 62217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732

472 52 00000

Windows shut down sound

**10112/11112/12112 kHz, 02-02/03-02, 0700/0720/0740 UTC**

111 111 111 1 197 29 197 29  
27549 29452 12905 01501 90999 18028 85891 49054 22001 61671  
71918 18693 13990 83882 38066 62456 46390 43116 93546 62470  
11909 02198 75643 40728 43073 55881 65821 35545 25580 000 000

**8157/6857/5257 kHz, 04-02/06-02/11-02/13-02, 2000/2020/2040 UTC**

182 182 182 1 919 48 919 48  
87575 02937 61881 64612 17346 85160 93419 22696 96596 90946  
27145 74025 21907 67575 43006 06153 85848 09039 15251 98335  
45807 81810 78541 42125 99543 72567 50773 10749 36294 92644  
03663 64032 99958 71545 70376 58500 82236 55421 63374 74366  
76172 97625 86916 70441 99335 74247 71781 90965 000 000

**15823/16323/18623 kHz, 05-02/08-02, 0700/0720/0740 UTC**

836 836 836 1 5246 58 5246 58  
96255 60824 45602 24903 25713 57528 70432 82691 30081 25189  
39671 30564 23122 42629 35523 06699 55797 79740 42621 29643  
24419 17745 09477 01168 31972 22330 11152 39529 42003 57570  
70927 99376 22792 51880 60875 51396 11326 38828 84602 59527  
91629 91744 41383 51235 07806 34351 34574 46908 40589 26244  
86474 15047 41833 30869 62106 68332 13935 89297 000 000

**16161/14661/13361 kHz, 05-02/08-02, 1100/1120/1140 UTC**

163 163 163 1 3715 84 3715 84  
51857 73623 31326 98150 26233 45626 36467 12243 04303 51558  
89949 55858 60329 33484 66434 27550 25084 90744 67261 05023  
96246 92679 57680 77387 06263 85515 42032 19342 81516 14209  
58642 52626 07255 51344 06419 57021 41767 97473 02209 07382  
08849 73221 28037 93151 44376 42565 95399 60222 23273 72262  
47024 39859 76014 54376 86538 72909 39999 11513 76938 48063  
64213 76795 25135 33508 50411 59871 59924 89527 41876 58263  
34707 67185 27143 59595 69708 50574 98824 04998 89370 85974  
40983 47890 70218 78619 000 000

**8144/6944/5744 kHz, 06-02, 1800/1820/1840 UTC**

197 197 197 1 283 129 283 129  
85339 03764 74017 48019 66993 74337 04202 04198 62181 73374  
80881 26580 98043 51004 62224 72158 64023 17479 83161 55465  
91585 61536 48208 85376 53181 09595 07800 95354 76797 28435  
77380 63646 15323 03194 55135 81461 40802 58528 96888 14675  
85684 86835 02630 42198 44661 92408 10107 41139 99722 57257  
67676 92599 08211 30073 58486 60122 73027 22567 34982 83686  
59554 62574 85408 62575 59686 97580 33458 15182 42362 05487  
45282 16388 82653 23671 59317 61008 79902 58371 29761 08835  
97248 75562 65644 59038 91608 94113 94502 23954 56320 37794  
44125 96403 41240 90155 86624 44486 14691 82936 71327 15247  
06172 46928 27582 20464 27765 17220 69719 12944 04690 43643  
38323 22366 00386 75254 83505 71409 99743 50262 37486 69260  
53838 69932 33168 56607 13495 53089 37858 29060 01683 000 000

**10112/11112/12112 kHz, 09-02/10-02/16-02/17-02, 0700/0720/0740 UTC**

**10112/11112/12112 kHz, 14-02, 1400/1420/1440 UTC**

111 111 111 1 787 47 787 47

68605 57611 52645 13329 79871 55537 11737 64453 71036 72712  
98630 29827 15406 77899 28933 95411 77688 82197 54023 84961  
41775 99970 21688 48385 74638 41597 45448 08932 85793 09761  
16699 75156 15167 89658 60426 98232 31710 17055 99537 27368  
63014 99150 85495 40845 58213 40440 08141 000 000

**13368/12168/11168 kHz, 21-02/23-02, 1410/1430/1450 UTC**

745 745 745 1 547 97 547 97

87740 07468 43665 46621 40413 74848 01134 27045 19382 01961  
06376 98082 75079 23331 17602 76033 64329 37331 28855 89776  
77677 93543 07790 45574 63805 96538 30991 48181 56873 24215  
03627 69927 85107 95298 13956 48389 57978 84492 03238 38132  
01845 41145 30083 75651 29603 54024 91315 61836 44113 85168  
51240 04845 12463 72959 50899 96600 89893 39147 70665 65831  
78309 15552 07350 03975 73516 30043 67492 03693 14272 67842  
16705 84320 61818 25464 29631 19290 82595 47115 58701 04792  
23579 10472 14479 17954 08606 64481 06461 26638 07961 27927  
82806 00184 21186 19012 87638 38252 10224 000 000

**15823/16323/18623 kHz, 22-02, 0700/0720/0740 UTC**

836 836 836 1 7080 58 7080 58

82710 13705 88436 53783 59403 90353 05917 75137 45175 64618  
17968 79593 14440 55907 47446 38794 02456 13669 54871 96793  
53113 57531 95630 25257 69881 25420 50574 91567 14946 51957  
30998 56410 53833 43929 94052 00470 04463 80200 43958 09779  
94343 96262 63792 83605 91884 51106 87659 98420 96989 75644  
26222 73517 34169 86212 31763 91314 87293 34133 000 000

**8157/6857/5257 kHz, 25-02/27-02, 2000/2020/2040 UTC**

182 182 182 1 827 142 827 142

65226 59083 59225 28477 68875 34641 37787 85276 20258 33594  
68849 62983 97194 12438 54507 43107 21671 06134 52856 17478  
59456 04020 86217 53180 21363 42332 92618 42584 17796 89322  
94747 71440 85503 51546 62033 91892 83865 13165 07551 37237  
22124 53278 68197 45494 75194 30302 33507 61430 15516 87027  
21360 04876 43489 18711 99410 29960 40007 79526 21216 30780  
73907 76867 15185 70550 64633 93148 69716 99678 87875 00522  
14937 91338 85183 57109 76767 85015 94333 40643 41367 61086  
81356 01339 49241 91479 31802 35446 02485 77957 79909 71662  
27802 35886 02159 44651 43726 35362 85110 19522 93895 63049  
18069 82769 94970 56280 96072 14242 02549 99464 13193 39583  
78566 42073 50143 26511 68548 07474 52209 03215 32479 09091  
91453 33242 79205 38697 13848 75863 40790 86264 14374 69264  
28157 21014 72858 75819 55001 89962 49732 25814 73920 58716  
08532 17575 000 000

## **E07a**

**9347/8147/6847 kHz, 08-02/15-02, 1610/1630/1650 UTC**

318 318 318 1 66124 6035 59 6035 59

26691 22298 31824 78331 85633 43273 93449 73606 36655 63995  
33805 20998 63050 05922 72933 29707 89042 91184 61762 33644  
10192 89201 23017 72397 01771 12334 98099 88231 15546 63792  
28824 14121 68091 54651 82879 92037 32834 92979 05643 35385  
91296 38595 53971 57421 25153 07254 50473 67604 81454 61660  
63982 21987 80555 17481 62995 09640 87318 27533 03739 000 000

**11053/12153/13553 kHz, 09-02, 0900/0920/0940 UTC. 0900 UTC: Off after 10th group. Restart at 0904 UTC.**

**11053//12153/13553 kHz, 16-02, 0900/0920/0940 UTC**

015 015 015 1 66124 6035 59 6035 59  
26691 22298 31824 78331 85633 43273 93449 73606 36655 63995  
33805 20998 63050 05922 72933 29707 89042 91184 61762 33644  
10192 89201 23017 72397 01771 12334 98099 88231 15546 63792  
28824 14121 68091 54651 82879 92037 32834 92979 05643 35385  
91296 38595 53971 57421 25153 07254 50473 67604 81454 61660  
63982 21987 80555 17481 62995 09640 87318 27533 03739 000 000

**5877/5277/4577 kHz, 13-02, 2100/2120/2140 UTC**

825 825 825 1 69154 4680 67 4680 67  
57624 36229 58178 21477 99907 70957 28382 25237 86174 18555  
46061 07014 54776 34721 09475 84892 39905 96256 65659 03785  
48435 44961 25929 94412 73336 47363 41661 99319 28050 69908  
34644 31812 28336 81886 96563 57560 54774 81906 94191 80640  
08738 55418 14167 53441 81866 20942 01103 85938 10337 35854  
41767 90993 62405 99989 08870 65616 07482 16203 93120 55565  
33686 07416 74841 74517 00535 57592 37287 000 000

**5111/5811/6911 kHz, 14-02, 0530/0550/0610 UTC**

189 189 189 1 69154 4680 67 4680 67  
57624 36229 58178 21477 99907 70957 28382 25237 86174 18555  
46061 07014 54776 34721 09475 84892 39905 96256 65659 03785  
48435 44961 25929 94412 73336 47363 41661 99319 28050 69908  
34644 31812 28336 81886 96563 57560 54774 81906 94191 80640  
08738 55418 14167 53441 81866 20942 01103 85938 10337 35854  
41767 90993 62405 99989 08870 65616 07482 16203 93120 55565  
33686 07416 74841 74517 00535 57592 37287 000 000

**5877/5277/4577 kHz, 20-02/27-02, 2100/2120/2140 UTC**

825 825 825 1 39659 4193 65 4193 65  
12286 66535 20665 96735 67815 99800 50598 39317 18938 86829  
68975 07961 69770 26067 14104 07870 93576 78675 94025 59893  
33239 52418 13707 17989 18496 96168 86985 73277 46416 04119  
77010 25036 53510 09921 35019 93805 91060 48076 76177 66184  
93836 60263 32264 63672 55703 78956 65120 82197 53832 40760  
08909 56759 62520 52539 63269 91904 45381 57013 09770 54056  
60351 25574 30744 04321 25173 000 000

**5111/5811/6911 kHz, 21-02/28-02, 0530/0550/0610 UTC**

189 189 189 1 39659 4193 65 4193 65  
12286 66535 20665 96735 67815 99800 50598 39317 18938 86829  
68975 07961 69770 26067 14104 07870 93576 78675 94025 59893  
33239 52418 13707 17989 18496 96168 86985 73277 46416 04119  
77010 25036 53510 09921 35019 93805 91060 48076 76177 66184  
93836 60263 32264 63672 55703 78956 65120 82197 53832 40760  
08909 56759 62520 52539 63269 91904 45381 57013 09770 54056  
60351 25574 30744 04321 25173 000 000

**9347/8147/6847 kHz, 22-02, 1610/1630/1650 UTC**

318 318 318 1 35013 540 71 540 71  
43712 09388 94161 20055 13516 08770 95848 39244 02872 44748  
21825 20990 41458 62224 09432 21925 28432 19888 10815 19648  
34058 31996 91501 87086 46108 66181 88457 66535 40254 24098  
34462 54932 19418 58537 31663 27920 50180 88177 27566 73732  
99090 25028 67575 20738 54384 53705 22700 06449 33592 53961  
67324 16184 90707 32287 37020 07825 34800 56234 92850 30865  
96191 67607 83354 33308 99430 43314 05066 72081 22651 07301  
75362 000 000

**11053//12153/13553 kHz, 23-02, 0900/0920/0940 UTC**

015 015 015 1 35013 540 71 540 71  
43712 09388 94161 20055 13516 08770 95848 39244 02872 44748  
21825 20990 41458 62224 09432 21925 28432 19888 10815 19648  
34058 31996 91501 87086 46108 66181 88457 66535 40254 24098  
34462 54932 19418 58537 31663 27920 50180 88177 27566 73732  
99090 25028 67575 20738 54384 53705 22700 06449 33592 53961  
67324 16184 90707 32287 37020 07825 34800 56234 92850 30865  
96191 67607 83354 33308 99430 43314 05066 72081 22651 07301  
75362 000 000

***E11a***

**4505 kHz, 02-02/03-02, 0710 UTC**

498/37 Attention  
05254 80190 74514 91647 99680 67628 85765 19137 45984 50828  
91220 36888 26603 99872 11792 64669 24113 68560 24531 95011  
89522 12362 87290 62764 43475 56677 87538 14692 13502 95031  
83162 15013 00958 23227 74028 95181 25656  
Attention (message repeated) Out

**7984 kHz, 04-02/06-02, 1045 UTC**

691/23 Attention  
23902 96211 52018 57362 54897 42911 37737 62293 81014 89544  
16397 85712 20032 38162 61147 69012 59452 76472 34292 45913  
07516 52080 48567  
Attention (message repeated) Out

**6804 kHz, 05-02/08-02, 0700 UTC**

579/32 Attention  
77094 30869 24560 06592 80363 83261 71103 18977 46427 81368  
89729 40268 43837 64908 84800 48118 43444 15853 23040 82795  
44816 21454 82651 20371 66943 89644 60829 97985 50155 23225  
67574 34168  
Attention (message repeated) Out

**9130 kHz, 05-02/08-02, 0715 UTC**

637/35 Attention  
00832 37290 04713 17107 42645 72372 77893 51767 03618 96448  
25904 36302 31903 82316 80127 47695 99439 13927 02885 86280  
89373 74853 35753 69979 77053 33304 48680 13045 58771 69920  
94409 82864 16650 12951 89779  
Attention (message repeated) Out

**11104 kHz, 05-02, 0845 UTC**

157/24 Attention  
24963 15943 35638 83396 08588 00207 89681 61124 29070 52557  
81998 32744 71609 29036 21060 28682 20869 51554 58674 99726  
55160 19936 11719 08967  
Attention (message repeated) Out

**10448 kHz, 06-02/10-02, 1625 UTC**

977/38 Attention  
28212 64217 01754 60870 66436 47349 15118 17361 94363 56742  
33188 07091 56233 01399 74689 16708 52683 65738 82322 52033  
23191 81167 03220 34588 14164 44746 63745 36986 66103 61243  
45508 81039 09939 51125 05201 99125 62301 42772  
Attention (message repeated) Out

**9443 kHz, 06-02, 1705 UTC**

399/32 Attention

23086 20099 32566 87132 98216 71962 19004 90337 74587 35342  
85673 87731 29309 69504 18442 42441 08320 32298 72128 44364  
60778 73796 13783 20682 73338 97789 93582 27466 38235 89057  
03125 54676

Attention (message repeated) Out

**11116 kHz, 07-02, 1300 UTC.**

**Both transmissions were terrorized by a Russian radar signal en very difficult to hear.**

585/31 Attention

83560 68688 77986 77375 88646 48054 62268 20865 45491 50555  
30545 12131 41977 11915 13866 03249 37394 16441 99036 63660  
x8930 64592 85131 02006 14694 49884 38073 48413 32063 62907  
55144

Attention (message repeated) Out

**8800 kHz, 12-02, 1000 UTC. Faulty transmission**

308/40 Attention (repeated)

35 35 66 Attention Attention

4455 9955 0707 4499 111133 Attention Attention

/7 /7 1133 00 // 99 99 99 66 Attention Attention

4400 5353777711 3737 556655 8822 Attention Attention

23/ 23/ 553636 22 Attention

356 Attention

459507 49113 Attention

/713 0/ 9 9 9 6 Attention

40 53 77 1 37 565 82 Attention

23/ 536 2 Out

**The repeat on 15-02 was correct:**

**8800 kHz, 15-02, 1000 UTC**

308/40 Attention

91242 51800 61241 69562 98127 62490 94780 09862 74230 62720  
45027 77343 36095 76393 44626 88383 18068 49460 53073 18288  
24905 77591 03361 57356 18644 50402 74676 81555 09827 03360  
79478 75093 29579 03603 88144 29717 26888 48958 16439 25713

Attention (message repeated) Out

**6433 kHz, 12-02/13-02, 1205 UTC. New frequency**

465/40 Attention

35841 78181 90793 41433 07589 21338 64555 13790 00001 52909  
61486 05246 17381 45658 73469 37072 51988 27628 08063 96191  
13441 57476 78223 13191 20304 73010 55047 53801 88758 67021  
54428 31165 47492 80485 48357 34048 25858 20150 44070 21161

Attention (message repeated) Out

**4505 kHz, 12-02/17-02, 1605 UTC**

230/34 Attention

70812 53848 56998 97863 38373 59810 90388 43519 17037 60348  
48773 02805 31869 78263 23866 74854 61932 30931 71224 39677  
99652 26576 50567 68836 81292 37511 18261 73023 97036 58083  
69512 19432 96502 87944

Attention (message repeated) Out

**5779 kHz, 14-02, 1730 UTC**

412/33 Attention

19339 84015 15160 11698 68934 32741 32035 68223 28252 04292  
79286 56523 88362 09039 94777 95450 80025 54762 03767 37613  
67506 92958 85596 77895 90162 18773 68310 89703 46833 34698  
02523 09756 01504

Attention (message repeated) Out

**20167 kHz, 15-02, 1225 UTC**

520/34 Attention

55288 31459 47767 42562 33961 30187 79588 77276 68081 47951  
42562 54806 81116 80582 88285 74294 35067 34066 98392 59112  
43918 94636 29706 05510 09674 57718 92075 54311 95718 34836  
36645 38822 32252 27145

Attention (message repeated) Out

**9200 kHz, 18-02/22-02, 0600 UTC**

189/25 Attention

61876 22421 88252 46233 36913 93910 38372 59733 19492 45183  
28174 19240 82788 39402 18923 40796 07042 22290 97844 34756  
57982 62191 47557 84095 23941

Attention (message repeated) Out

**8597 kHz, 18-02/20-02, 0900 UTC**

535/34 Attention

86466 58215 81492 39771 69645 37069 18166 03848 45067 81914  
48644 07850 06172 18432 59982 47336 29499 87790 85438 16122  
14629 27501 89159 20331 91564 37847 59946 12689 69960 92689  
53261 06116 27375 89342

Attention (message repeated) Out

**14666 kHz, 19-02, 1345 UTC**

918/35 Attention

45427 68868 85336 40308 00665 06577 74272 84688 84132 29498  
15388 54951 30446 35428 63710 75243 82441 89307 38488 74042  
69607 58435 67371 23716 29078 85262 47839 42646 31615 12550  
14155 96113 38547 08501 75580

Attention (message repeated) Out

**8545 kHz, 20-02/23-02, 1730 UTC**

405/36 Attention

46864 05444 66641 28752 35825 00187 50815 05016 19790 73032  
65808 27510 02924 03445 45068 59574 61415 42193 65734 97807  
40128 76396 11178 55043 46743 60260 19304 10034 29893 13781  
72984 71508 19676 49788 31012 54433

Attention (message repeated) Out

**4909 kHz, 23-02/24-02, 0805 UTC**

312/32 Attention

70574 03958 98862 18917 63633 90687 70670 97906 33581 90759  
42496 98104 61700 16611 16754 50108 07971 54110 26114 54434  
65814 49307 08444 34170 13544 40619 52556 21081 82779 14421  
57475 36652

Attention (message repeated) Out



**10213 kHz, 25-02, 0745 UTC**

**5409 kHz, 28-02, 1530 UTC**

268/37 Attention

93565 41350 33706 66125 55604 07383 68867 95085 34957 03277  
62502 79187 48790 36031 64963 68298 06562 12537 71865 31959  
80853 59099 39318 61110 92885 33567 74235 96810 86548 25133  
60425 38965 21624 65525 31374 29692 68225

Attention (message repeated) Out

**6849 kHz, 25-02/28-02, 1900 UTC**

647/36 Attention

95006 20200 96731 99010 98935 39268 99237 31043 35953 60179  
93161 22595 53792 73782 10003 51297 08638 50784 01605 31175  
97057 33483 48594 15048 23271 05833 96216 71702 44881 41231  
07996 79959 79707 82749 32027 58203

Attention (message repeated) Out

**7840 kHz, 26-02/28-02, 0645 UTC**

514/31 Attention

17756 26964 24118 72370 69459 57961 49972 33575 37576 90448  
82088 12059 39792 91989 70728 65782 09745 58295 67791 88387  
46545 30917 26980 23390 67227 54192 71232 23067 54889 25167  
68420

Attention (message repeated) Out

**14611 kHz, 26-02/27-02, 0820 UTC**

138/38 Attention

81993 04251 04719 41862 66451 67098 09097 81469 45589 19838  
03994 85216 37981 40808 08468 45996 92697 97248 04537 28001  
13396 40469 42045 42321 54586 37726 47897 43206 53245 21625  
07384 97377 69687 70630 53466 83011 25775 97816

Attention (message repeated) Out

**8597 kHz, 27-02, 0900 UTC**

539/36 Attention

94653 11988 76021 40080 04940 10117 46584 89996 60852 95454  
03717 70084 49460 70546 25330 78261 81350 78095 05068 45950  
35223 55157 51049 39676 29147 52459 07120 53576 38950 23246  
08831 69678 45401 53379 33870 91715

Attention (message repeated) Out

**8180 kHz, 27-02/28-02, 0930 UTC**

273/35 Attention

72179 68627 29145 60510 97217 53576 28426 11442 75617 22339  
49248 71962 98641 55985 33100 54239 29139 23548 89908 30924  
92201 47908 80805 83798 42252 68222 46155 99753 28878 44907  
46436 96721 75302 30119 77333

Attention (message repeated) Out

**12067 kHz, 28-02, 1925 UTC**

552/31 Attention

84037 19038 42565 67384 57496 91938 88416 63079 41303 94418  
29598 90092 45470 92602 33621 81787 61783 99424 77885 63517  
81110 56689 09897 47307 72150 72509 90397 55323 29916 94724  
66028

Attention (message repeated) Out

## **E17z**

### **11170/9820 kHz, 07-02/14-02, 0800/0810 UTC**

674 205 8 87478 40657 42565 40760 53544 46640 47493 49734 205 8 00000

### **11170/9820 kHz, 21-02/28-02, 0800/0810 UTC**

674 831 5 37888 43451 33983 42283 46280 831 5 00000

## **G06**

### **4533 kHz, 14-02, 1830 UTC**

271 968 43

43057 32409 32495 08950 27489 34752 98532 02935 08472 28402

32845 03284 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 03856 04582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

### **4792 kHz, 15-02, 1930 UTC**

436 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

### **5320 kHz, 18-02, 0806 UTC**

Late start. 329 stopped for 15 seconds, then 329 (R5) then 00 329 329 0000000

### **4519 kHz, 21-02, 1830 UTC**

271 968 43

43057 32409 32495 08950 27489 34752 98532 02935 08472 28402

32845 03284 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 03856 04582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

Windows shut down sound

## **S06**

### **15721 kHz, 01-02, 0400 UTC**

480 195 60

14884 14345 78790 30597 31874 46301 67646 90464 60247 88720

59371 31498 98848 55826 00051 34002 73589 74117 81925 32878

02502 26407 57320 56043 31598 49865 22605 12953 21218 86499

64350 94155 87551 09514 84886 67817 29021 73989 49438 84159

92222 65314 22034 23745 57093 43809 82366 50549 46020 08973

40806 55749 86548 31807 93736 03181 82396 28634 86421 12384

195 60 00000

**15721 kHz, 04-02, 0400 UTC**

Started with a null message, followed by a full message

480 480 480 00000

480 723 55

47216 28864 21987 81093 14402 46525 43448 76730 47050 46027  
42110 74909 57893 78034 81226 16582 50115 25522 86005 54419  
95243 62025 78585 46453 95133 30292 15067 59978 95219 77287  
04280 84144 41219 06486 12979 74672 96489 33379 87152 79149  
62210 55146 44126 16310 67587 70429 15162 07776 22264 10132  
43232 85663 48124 65197 65650  
723 55 00000

**15721 kHz, 05-02, 0400 UTC**

480 619 50

97827 60800 04470 49586 47715 19584 02452 46453 99941 85689  
85489 62358 73958 82815 79264 36712 96869 71746 89051 77615  
92756 65737 20353 83733 85773 14729 43749 87351 09196 19359  
08697 42064 37620 60692 35922 03535 84492 56610 43126 76751  
32151 80798 83677 28230 86586 05272 02972 86592 74087 52367  
619 50 00000

**15721 kHz, 06-02, 0400 UTC**

480 351 60

93709 08129 22612 57269 18366 70829 32722 88416 64866 96115  
17893 82105 43083 89086 57315 77721 42106 31005 11370 22557  
00328 98474 61296 88896 84610 28036 75908 26352 45729 62108  
85050 47895 42263 37216 64481 73011 50136 00436 61866 76428  
99988 65006 18572 15842 09572 41037 66954 37084 03340 02248  
07817 80175 36448 74684 97728 34690 65327 58343 00907 17869  
351 60 00000

**15721 kHz, 08-02, 0400 UTC**

480 926 50

04780 11531 37872 14865 63006 28308 46375 62408 35536 13379  
25527 35645 31572 55204 04905 93849 79482 30669 19111 35903  
77951 29547 73818 49216 34318 14986 91971 59526 07329 05976  
69863 30016 96454 92722 97760 83174 44990 20872 24760 43868  
49102 05515 72582 27018 90028 60918 27970 18367 31604 56917  
926 50 00000

**15614 kHz, 08-02, 0930 UTC**

842 165 38

22909 50080 01856 24538 02992 75578 40622 03941 73853 29112  
54302 51909 59085 20006 21429 95647 42439 80679 47333 53007  
44099 41712 08236 96661 60322 23809 79801 40650 14891 88841  
61105 03969 95835 17160 29958 30906 75830 03368  
165 38 00000

**15721 kHz, 11-02, 0400 UTC**

480 357 60

30392 47868 18915 56660 03849 86738 33989 49593 26161 35642  
10810 23252 82373 56978 22298 21805 66160 58264 76711 14942  
42935 26403 82755 92151 65002 22205 15954 63352 18451 33611  
78481 26804 06473 11036 69646 90247 98798 33275 09194 56197  
01927 77428 80639 07339 29846 91252 86801 52959 79935 91396  
34734 22343 43721 35957 92238 16093 07190 44782 83143 51281  
357 60 00000

**15721 kHz, 12-02, 0400 UTC**

480 916 55

51534 51028 05078 79938 10826 40786 56207 26480 93993 88901  
58077 41812 98123 34690 51682 27957 93554 05996 31968 13323  
65767 22374 32538 20012 70646 65186 44841 03480 51570 56766  
82760 19260 91744 15856 28561 96416 00236 81502 21110 22427  
55121 22600 72326 69173 52224 75257 22795 14744 32833 75193  
72467 40711 88874 77332 47408  
916 55 00000

**15721 kHz, 13-02, 0400 UTC**

480 273 50

20813 52039 74981 62436 81910 07693 90674 61134 42093 69703  
44411 39154 33453 05744 85564 73405 65801 66208 47820 15898  
92038 54838 21055 46841 42381 43585 44389 33960 88364 36394  
43879 13347 22578 11610 63274 39686 65049 97677 61274 63601  
32240 61830 73729 37763 29561 16457 64223 63263 53373 72832  
273 50 00000

**7309/5091 kHz, 15-02, 1900/2000 UTC**

627 589 34

09657 82456 08231 55674 68587 81308 71138 74986 26983 71417  
49219 35824 76584 34545 56716 05712 76643 35168 63798 96210  
23769 14337 59729 38993 99857 99220 73285 75416 43294 15414  
74116 92349 23139 20000  
589 34 00000

**15721 kHz, 18-02, 0400 UTC**

480 579 60

42279 96381 79437 36967 58442 72857 94718 50819 79665 62541  
79620 51002 25283 45665 28156 46826 13000 41599 66342 89243  
76957 92895 41203 59644 30420 72491 25504 37250 21531 56234  
49136 99822 55570 27929 93110 37349 82160 09091 07077 83409  
70840 30600 36324 93908 23465 88428 69180 27851 96857 50639  
40771 09864 34144 07851 54057 79138 28231 84332 04096 54489  
579 60 00000

**15721 kHz, 19-02, 0400 UTC**

480 632 50

22338 98890 15281 93714 34997 45613 37786 09582 25481 25923  
39650 24662 50679 05898 34334 96667 26191 73661 88133 60367  
17334 88192 32912 35021 95088 52818 02379 49498 80437 30619  
77830 14755 25503 43910 54312 98365 04954 24990 63115 80793  
16093 10349 11570 98079 11078 95520 26057 00656 09712 92770  
632 50 00000

**15721 kHz, 20-02, 0400 UTC**

480 157 60

63701 92406 63070 17340 44728 43351 77208 36965 46818 70019  
73587 43717 53198 06691 89298 26536 01009 76346 00655 48995  
93161 93719 57173 12952 85299 43826 92991 09389 08782 40677  
39173 73662 15657 95847 85311 87324 56531 51605 63909 93718  
27293 58269 55934 19529 45622 00500 41006 19479 43217 02197  
40658 86360 84688 64705 28092 93575 49043 18004 02878 62399  
157 60 00000

**15721 kHz, 21-02, 0400 UTC**

480 392 50

93566 23539 39151 06735 21085 44174 87117 18460 78920 28121  
 74365 60527 59713 90909 15142 62160 74499 87301 56185 96670  
 62955 56281 70416 93681 73276 14188 91360 54970 60117 38180  
 99221 28602 74042 07222 94558 21064 40910 92775 20499 52062  
 54644 16389 19417 81694 31816 16359 35032 64662 01482 90677  
 392 50 00000

**15721 kHz, 25-02, 0400 UTC**

480 592 60

63126 17189 31775 67296 89052 99445 88889 95594 12016 60988  
 27021 22232 44555 17618 65682 22304 24721 47454 09799 67081  
 17142 90020 13903 88773 55597 52859 83936 33284 25529 17845  
 77590 05634 09935 64397 89106 37757 47078 51774 29502 33346  
 73450 27639 38131 69423 50421 55073 86540 59358 98027 75248  
 60540 06980 84318 47919 31437 06500 43711 36941 52371 67923  
 592 60 00000

**15721 kHz, 26-02, 0400 UTC**

480 173 60

91723 65617 31429 29613 28304 96281 12112 12721 56662 73932  
 38571 30481 44936 73524 31844 94397 57273 32876 51426 53983  
 76358 89060 45977 69009 58445 12392 17008 46715 13167 83950  
 00248 67383 25084 17579 94372 46735 59513 48286 91788 08585  
 19481 86001 91143 66177 46189 86616 96278 35660 80119 26241  
 31281 30122 24966 89630 26344 07629 81588 08702 54110 71712  
 173 60 00000

**15721 kHz, 27-02, 0400 UTC**

480 152 60

72788 74326 60415 19396 64728 07221 42337 73597 45327 91289  
 33573 11874 85370 25745 31623 03923 19363 88155 24593 66620  
 88387 42519 00322 53389 05734 61109 24351 87815 43700 52276  
 47685 46186 65039 11393 30271 18636 47460 37134 91136 03606  
 74635 80270 21131 15276 92159 17178 19197 08688 51872 65235  
 38117 52220 93005 82302 50668 02120 33588 17476 72128 58771  
 152 60 00000

**S11a****11559 kHz, 04-02, 1015 UTC**

474/37 Vnimaniye

64620 13840 00612 29886 54399 01541 52993 65371 21686 45585  
 06033 81838 51275 42487 23115 54091 28119 72349 40726 92441  
 48180 26025 57657 93766 81316 07630 58039 82083 80748 09573  
 68291 57002 80114 96327 52273 80373 49645

Vnimaniye (message repeated) Konets

**11559 kHz, 11-02, 1015 UTC**

471/34 Vnimaniye

22203 09813 19376 11506 44801 28530 66502 86909 31611 31596  
 53018 54333 04885 11440 51550 11831 99745 30697 01899 00891  
 97582 00665 53136 71092 39882 74926 74949 54547 85580 93369  
 49578 45606 23401 41604

Vnimaniye (message repeated) Konets

**7600 kHz, 12-02/15-02, 1020 UTC**

425/38 Vnimanaye

08248 40015 77447 32561 42375 41721 87776 31151 64242 48398  
30155 72188 51680 87593 98129 99506 14930 94285 98250 58454  
73739 87142 84622 20057 66861 16363 18844 53519 64947 96517  
21755 86650 28432 56460 90560 97321 20643 75362

Vnimanaye (message repeated) Konets

**5815 kHz, 13-02/15-02, 1955 UTC**

371/37 Vnimanaye

32261 22377 65827 40873 93732 39886 18741 15272 47716 09903  
05518 84226 24351 50133 59476 65180 97114 47671 85905 27111  
37805 18734 48011 27429 09240 67220 87208 31226 36929 86565  
56185 45644 01169 69418 68884 72371 54559

Vnimanaye (message repeated) Konets

**4828 kHz, 19-02, 0455 UTC**

325/33 Vnimanaye

67842 54994 55967 18253 48882 67757 76730 41835 77475 87944  
70620 60326 61172 56965 83784 72027 88077 70671 25717 31030  
13310 26251 83150 62389 31360 08287 36578 86365 14247 19849  
36879 60965 58654

Vnimanaye (message repeated) Konets

**10728 kHz, 20-02/23-02, 1540 UTC**

560/37 Vnimanaye

22077 96137 18574 55770 12835 70803 65991 55673 98415 27815  
21582 86015 76043 39733 77361 98112 90553 95022 18855 26707  
15628 32704 67568 46598 66354 24446 11237 73926 10836 47370  
66891 88091 97933 62299 44061 27331 76603

Vnimanaye (message repeated) Konets

**V07****15874/14774/13874 kHz, 10-02, 0100/0120/0140 UTC**

878 878 878 1 7657 20 7657 20

59025 97583 12006 59554 99868 55160 99778 44285 98826 28075  
29972 69762 10126 48531 92399 25090 80900 90229 72380 71135  
000 000

**15874/14774/13874 kHz, 17-02, 0100/0120/0140 UTC**

878 878 878 1 7774 20 7774 20

84997 25362 16454 54741 06773 05307 74909 56695 18606 36615  
42632 53345 05767 42389 07840 12509 47661 36582 52399 01269  
000 000

**15874/14774/13874 kHz, 24-02, 0100/0120/0140 UTC**

878 878 878 1 197 24 197 24

25448 45647 36569 21601 80557 09913 23504 54696 02020 11195  
43167 36792 27719 60442 36208 75921 60977 32457 95688 68342  
62451 74107 90241 60566 000 000

## ***V15 via PBS Pyongyang Pansong***

**3320 kHz, 02-02, 1446 UTC, AM**

North Korean Intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean

**3320/6400 kHz, 07-02, 1545 UTC, AM**

North Korean Intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean

**3320//6400 kHz, 16-02, 1445 UTC, AM**

Korean Intelligence via PBS Pyongyang Pansong. Music (General Star) followed by a message in Korean

## ***VC03 - Chinese Air Defense net***

4776 kHz, 07-02, 2238 UTC, LSB	Chinese Air Defense
5211 kHz, 01-02, 0600 UTC, USB	Chinese Air Defense
3209 kHz, 01-02, 1358 UTC, LSB	Chinese Air Defense
4606 kHz, 03-02, 1114 UTC, LSB	Chinese Air Defense
5200 kHz, 04-02, 0655 UTC, USB	Chinese Air Defense
4786 kHz, 11-02, 1127 UTC, USB	Chinese Air Defense
3795 kHz, 11-02, 1245 UTC, LSB	Chinese Air Defense

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## ***MORSE STATIONS***

### ***MX***

Reported Russian beacons.

D: 3593.7 5153.7 7508.7 10871.7 13527.7 16331.7  
S: 3593.9 5153.9 7508.9 10871.9 13527.9 16331.9  
C: 10872.0 13528.0  
A: 4558.1 5154.1 7509.1 8495.1 10872.1 16332.1  
F: 7039.2 10872.2  
K: 8495.3  
M: 8495.4 10872.4  
L: 8497.8  
V: 3657.0 3227.0

### ***M01***

**5465 kHz, 03-02, 0700 UTC**

197 131 131 30 30 = =  
09919 32434 15670 14793 60001 23664 44757 82523 62100 78053  
37420 86383 51550 69099 77084 28078 96490 28515 96262 52043  
66672 29589 23552 34702 78638 47131 62243 77183 77755 02071  
= = 131 131 30 30 000

**5810 kHz, 09-02, 1500 UTC**

197 764 764 30 30 = = = =  
54351 48602 57494 52481 31348 07709 10198 21224 56042 70322  
31653 82801 01921 84333 03578 48264 31717 29196 05717 59379  
14501 80553 31864 41159 69021 83308 26503 38153 61027 35699  
= = = = 764 764 30 30 000

**5465 kHz, 10-02, 0700 UTC**

197 = 741 741 = 30 30 = =  
47724 62128 90239 21319 17331 04064 37614 44307 70497 18418

11564 91950 27600 36151 11959 11149 73115 42883 55309 04029  
77807 70094 29339 73154 76319 76389 13879 56799 36550 96156  
741 741 = 30 30 000

**5320 kHz, 14-02, 1800 UTC.**

**VVV at 1743 UTC**

**Different repeat between brackets**

197 554 554 30 30 = =  
43879 34964 50640 23885 12166 27052 14860 29583 13219 39932  
89266 09181 22225 96102 80724 45114 12271 08968 48190 12705  
78977 63506 59798 54825 03855 04343 95150 17478 08484 17913  
(17912) = = 554 554 30 30 000

**5465 kHz, 17-02, 0700 UTC**

197 778 778 30 30 = = =  
68219 91129 97289 47022 10459 60977 81167 62998 58269 15310  
54004 29625 12869 19604 36248 59417 57698 03333 58717 93729  
81336 01230 03981 90780 04487 50776 99838 19781 84846 75318  
= = = 778 778 30 30 000

**4490 kHz, 21-02, 2000 UTC**

197 276 276 30 30 = = =  
40360 45741 93172 800xx 13104 55371 54397 88007 44276 14753  
29044 05516 47669 75113 50688 06135 50372 54091 34528 83063  
67609 66541 52063 16610 90871 31385 04945 97310 56890 44983  
= = = = 276 276 30 30 000

**5465 kHz, 24-02, 0700 UTC**

197 521 521 30 30 = =  
50415 85319 29811 27698 63906 03829 56429 64495 00780 55377  
91650 21795 84472 51194 23035 06171 85372 58089 24071 70891  
04392 02030 42927 51577 40495 22084 32095 46426 13710 80543  
= = 521 521 30 30 000

**5320 kHz, 26-02, 1800 UTC**

197 721 721 30 30 = =  
72448 30634 08173 90870 05470 71091 44140 59525 13974 92727  
12509 69287 69764 84141 88341 77105 85897 88146 50901 22361  
55651 78768 81875 33132 10946 79584 44830 80383 36098 38216  
= = 721 721 30 30 000

**4490 kHz, 26-02, 2000 UTC**

The 2nd group was only 4 digits and the 29th group was sent 3x.

197 171 171 30 30 = =  
78994 4197 72834 52263 43959 11127 49434 76967 95133 45383  
20153 61531 95649 13046 06736 03543 49469 50856 61265 51943  
26224 35156 64906 70948 99653 51266 44965 93450 13101 94631  
= = 171 171 30 30 000

**5320 kHz, 28-02, 1800 UTC**

197 273 273 30 30 = =  
00636 41934 92385 91695 71687 59038 47780 89000 64599 08531  
58602 40610 16410 12177 52333 52346 82073 09765 48097 40224  
90276 38612 86628 08319 62366 47091 28790 72780 42670 22120  
= = 273 273 30 30 000



**4490 kHz, 28-02, 2000 UTC**

197 669 669 30 30 = =

07464 04875 82127 77669 32558 99748 72482 18346 57089 95070

13077 41799 53167 12707 60745 53627 98447 30885 95442 59088

85414 09595 01901 85213 14480 22897 18615 95707 42661 75190

= =669 669 30 30 000

**M08a - Dirección General de Inteligencia****8096 kHz, 01-02, 1354 UTC**

ATGRN DNWTN UWTNN ATGRN DNWTN UWTNN ATGRN DNWTN UWTNN

ATGRN ATGRN ATGRN ATGRN ATGRN = = =

UGWUN RDUWD WNWTN DGUWU DNRND UUIIR NTATA RAIU AIGGI NURIR

DGGIT ANTAG DTTIU NUDWW RTATU GAURI RGTG IIRRI AUTDD DIWUT

UGUUT ATGAN IWIRW UGIGG TGRRI AUATN RUNRG DWWII NGITD DGIGN

IUNDD DDGUG IUIAT WUWAR GAATU WDRWG WWTGD TWRRR UWGIG AUTRD

TWTIW WRGDN WDGAT WRDDU IGDUI GWRRW TGAUR WDTTG NNTTG GDATA

UGIUD AWWNT RRGGR GINDG DWNWV DITNG WDWGT UADUG TWNUU DNWWW

DRDRA TDUUV ATRNW GNWRT DGGNU TDWUG AWRRU URUWG DANTT ARRAI

TIANI RGWRR UTTGN TDDTD GWRWG GWIND AUWTA DTIGG RRTIG UDIWA

RTRNG UAWTW RTWDU RGWRD AIDUW WIANW WRAWN RUDDU IUGTT RARRU

UTTAN DWURG NDIDR DDITR DDATI NNTDI VGGND NGRNA TWNIW WITUU

TWWTD UUAIV RNUWT DDIIU UIAAN GDDNN GDDDW WTIDW WRRND URADT

RWDUI UDNUU AIRWR TRWUV TTUAG IRGWI RDRDU ITWIA WUTWD GGWWW

RGNWN RIRAG ITUID UDTGD NGURW INDTI DRRWG UAGIA DADGR WGRNA

WGUIN NAWWR TUUAD ANTNW NUUTG NUDGA RUINU AITGU GTGAA NTWRD

WTUIN NGARA NANDN NNWDW GIGTA WRGDI IIUGR IUWDD TRUUT UITRT

+ + +

DNWTN DNWTN DNWTN DNWTN DNWTN = = =

WIDTU GITDG DDADD ANRAR RRUDU NNWGR NDNUG GUNRW UNWTW DTANN

NAGWA NAAGU RUWTR NNWAI RRNTU GGADG GGTDU WDRAI IUGRD UIUWI

GGDWG DTWUT NUUUN DRRWT ITTDN WTGGN WUDUG NTIIA NDWTG TTUTU

WRTWU NDAAA GRWIW DDGTU WRGWW UNAAU RNDTR AAUGT URNRT UTWTI

WWATN DDGWW RNIRN DUNTR TNIAA AATDD UIDGG URURW WIAIT DUAUD

GITIW TNINR RAWDT WRUUG NUUNU WDUIG IGWTR TRAIN WNNAN UWNIA

GRTIT DNNTG GTDGI RTDNT WTUDI NWURI TAGGT WWANG RGGTW IDRUN

WDTUI GUGGU WUUTA AIATI TWDWT NWAIR WDGRA GINUD TGNGI DDRIU

TDDGA RRDID GDRWA GUWUR WNUII DATN ITWRD URUUR WRARI IIWAU

TTIAD WUNGA NWIIU UGUGA NGWDT IGTUW IWTGD GGUUU UADRT AIUAT

AAGWN UTWIR GDGII RTUDR DNIUA UWAUA RRGIG ADIRU AGTGN IIIRT

DRUNN DUAUN TTRDA TWIWW NRNDA GNDNI GWIID WIIIT TWNDW TGUWD

RTNUD RUNTG WITIU NRWWU WRWWI DDTTA INRDI RWRRU AIRGN TIWAA

RINIA DINWA DTAWW WNIGN URRUA WRGTT DUGTW GAUAT AGGUT IDURA

TDTUW TRWNN IGNAN NRGAG IUNRU RIWIT DTUUD IAWRT WAGGG NRANT

+ + +

UWTNN UWTNN UWTNN UWTNN UWTNN = = =

WUDTW RGNUU TUNTU ATRUR TRAGN RIGTW UWAID TDRAG DDNTD RITGD

DGDAA RAGIN AAAGR DRNRD DDNID UIRAW GWRWI TRWWT NUUIT AGDWU

IUTTU IAWUN TDNWG TRIUA AAIIV NWGTG RDTWA GDGUI RNTDU ITWGD

DDUIU TGWTI NTADG TNWNT GWTUI UNUTU TRGGT GDATT IUWIT RGWDA

NRTRT IGWTT NDADN GGGTI TINRT NIDIT ADNRW WNRAR UDDAA UGAUI

NUWRI NUADN WWWW URRIU GAWGN DUAAG IRTNR UGNRD WNNDN WGGTG

UGATI WGUNG NAGUR TDAIU AGTIG AUITA GDRRN WTWTU AAWDW URUGG

AARUI DTNRU AGURU AANUI ARIGI RWNGW UADDD IATIG AARDG RDNUW

WNGI GGIWG DUGUI UIWIT ATUIA AWWGR GGRGU RDRII ANUGU ITWTU

UTWAI UWNNG ITDGG WUIND DWRTI RDAWN DTUGT WGDAD TUGND NAARU

IIUWW TNATW GTDIG AWAGW GDGDD NGIWN WGDWI WTTTG GRUND URGNW

WDRRI NTWRN IIGAD GIDTU DIGAT WINUR UNNTU AAGDU URIDR TDGGG

RDTAI WTGWV RNRNW TINAU RRTGI WUNDA UTGRT UUNAI TGUND UIIDW

AURNU AWTUN TTGIU WUWAN INIWG DDNIA WWRWI TDADD IUUWG DGTGG

AARAT GRTDR GDRIR ANURA WDTG RRGGR TGRUW WAGNG WGIUA UNUWA

+ + + SK

RGDAA INIDA GUARN RGDAA INIDA GUARN RGDAA INIDA GUARN

RGDAA RGDAA RGDAA RGDAA RGDAA = = =  
 AINWT ITDAU AIUTD TIWAG GAIWU UNIGG GWUWI TTTDI WWRTA IAAWG  
 DUUUN DTATD UUTAD GATRG ADNUI DUTDG GADTN GNTIT AAIGI TTAAI  
 GUAIR IIGTR UUNIU IDITW RDAGA UGRGD DNDNG GTNAW IRURW RTDRG  
 UTWWI ARIWU WUGNT NADTA NANND URRWD UWINI ITNGU TITAR GUNTG  
 DGIGD DNUTH IGRW NAIRG RDWTD NNDRL TGRWI RRUGI AUUAU UIITU  
 ATWGA NNRWA UTANT TTUDW AGIGU NIWTR IDWRI NWGAA WAITI NUARW  
 IWDIN NAGTU RWRID AIAIG AUWTD IUUWN TATUN IRADI TTNDW AAGWG  
 URUWR TNRWN TGDTI AARGW IIARN UNIWR IDNAI TWUAT DTADU RAGNG  
 RGWDU NDRUU WDRWD DRRUR ADINR WRWRI GNNTI WAUNU TTATR TUANR  
 UWANN GIWTU UDTIT ITTUA UDRID TTARR GNTTA UNWIT UANWR NRRW  
 RUAIA GURDT NRAUW ATRTN AUTIN DRRND NNIAI DGITA IDANG AGNIR  
 ITIAT WGIRI GRRTN WDATD WRAWN IAGUI WDRAI URDRG UWANW UDRTR  
 IWRTU UWUNW WNWII WRDRU ATUUR URTNT RNRGN AWWRR TGTWG GRDIW  
 RTUTA NRWDW AWAGU NNRRG NNDRN IWIIU UTNW RRWNI RTWAA TNWIN  
 WARRN UDRDI UIUAW AWAUA AIARI GNRNN AGUUU WNDGI DAWAW ARDDA  
 + + +

INIDA INIDA INIDA INIDA INIDA = = =  
 IAUUI TTRAG GUURD IWADN WDITT WUTDD ARRAN RATIU WNANA WNGAI  
 RWITA GNUWD GTWII TWDGW TGGAW RTRUG ADUWI IRGRR UIAAG WGWRR  
 UAAAD ANDNW TNRTD AAWAG DDRND WUGRN AINUG RDGWD TTUUD IRTRW  
 ATINT DGTIW DIDIA RRIWN TTAAN DRANI GARNN UGGTG IRTN UWAGD  
 TIADW ARIIR UDRAU ARGDN RUWDD GDRDD UGWDN DNRGW UAUTD DAGGU  
 TGNRI GIGWA GNWDW RARTR ITADI AWARD TDTR NNIUU RDIGR DWUWD  
 IDADT IRART RTDWN GTRAW TNGGD RRUAW NIAIR GADIT NRITW TIUAU  
 GTNAT GNDRA NRARI TRNTR WIWDA NNGGT NDRTA WDGWR AGGIN AURUA  
 AWGRA AAGUN IGGDN WRRII IAGUU WDIIA NDDIA NGRUA NTRDA GURRT  
 TRGIN GUTIW DRIIU NWNWI NRGUA RIUGG NUAWW RWGUG IGWNI IGURD  
 GRGIN RWWUA GUUII ARRWG WTUNT RTDIR RADWT WRGUN GRITN GANUT  
 UTRUN GADRT TNWGI NIUUT WDIIW NIWAN INIGA TUDAW NDAU TUUUG  
 UUWRR GNTDR NGTAN GWWIU WUWGD IWUNW GRDNN RTNDD GADDI RTIWA  
 RWWRW WRUDW DITNU RDTGW RDIIA TDDUU ARIND GTNRT IANGA TRGTI  
 AIDND UGTDU UTDNG RNUUA RIRTN GTRGA NRDNI WWNRN GATDW WIADD  
 + + +

GUARN GUARN GUARN GUARN GUARN = = =  
 IIIGT DTIAA INAGW AUUUA NTADD GNRIR TNRTW GDDDR WINTI ARNGR  
 TNGDA DRTIW UAUIT WUWID NITGD WANAD DDGNU TTUAA NNNDR DDGWD  
 DGDUU DAATU WTUNR UUWWR TURUA AANIG WARDU NNGUG UWRNW IURAA  
 GRTTA AUGIR IIUTA GNGGW TIWTD UAWUA UWTWA GUIRR NDTNN RDGRA  
 AANWR AGAUT AANUG AINTT DNANG RDINA NWNDT GTIDI RRDDN NWRIG  
 ATDNU UGWDR IWTDG IWNRR DIIIT TWRAN DIGID GAANA NRGAR NUDNR  
 AGINI IUUDR WAAGT DUTRN GINRA NADUU IUDIA DWGDU UDART ANUGD  
 ADARI GUNAR RRNUG GWURU WARAG NUTIA INAIR DWRRT WRWRR UTWUT  
 GUTRU UINNW IURWA RUWVG DDDDG IRGPN ADRDA TUAND WDTTA NNGAR  
 ARDDU NWWDG GUGND GRTWA AAGTD DIWAT NRRUD DWNN RTWGA TNWUN  
 TRIDA NTURG RUDIT AIIIT INIGW IAIRG WNWU IIUAT WGIAR RARRW  
 ATWIN GIADG UNWAG IADWD IWIAU GIWUW UDDUT NWITW NWINA NTRAG  
 UNRUU GURUT URWUA IURAT WDTUD TNNGR RUTRA TANRN TDAAR NWTAD  
 GTWRD GGATN TATNA GUNNR AGDGT AUTWT AAITD NUIAW TUDAU DADRG  
 WGWGN IIRAW URUDU GUWTD UIGRR UNTRA URTAR INDGI DTUAI IDIWR  
 + + + SK

RUWWA IIGGA GTNAN RUWWA IIGGA GTNAN RUWWA IIGGA GTNAN

RUWWA RUWWA RUWWA RUWWA RUWWA = = =  
 UUTWD AGARD UDIUR GWDIR IAUIA WNNIR WNANR WRRGU RTAIA WTWAR  
 NGGDT WWTDT DANWU AADGT NAWWN NGDAI ITUDG IDWDW WDUOT IDTWD  
 DRNTA TURRR NGAWW IWGWI INGDD WTGID ATNNW DGAAG TGURD ARNDA  
 NGDNG WTRIG ARNNA WAANR ANWTG ADGUG NGDRR AAWWN DWATN TNUUN  
 UTAWW DUGTT ATNGN IGRTN GADTU WTUAW NUNRA WAAAN IURAI IIRNU  
 UWDAA RUAGA ANRGN WNNDT UUGTI AINGN ARDTG UNRWW AWWAW NTIIT  
 NNNRW NWIRA DRRUI RIITD NAWWA RWNIA TUNRI NDRIU UUTIU GGWTU  
 WIWUW AAGDR NAUNA RRNAW AUWTT GDRNA TRANI WNUTA UADUG WDNNI  
 GTWDT ANNWD TGWRW UDWDA DRANU AAAGG UIAGT IARIU NWAIN RIGTA  
 TRRTG RGUTI NGUUU AIGNA AWWUA UGURA RNUGU RRIWD RINID URTTG  
 WTTA ATDAT IUIAN INNIN DWDAU TIATD UTWUI GURIR GURUI NWRWD  
 GDIRD WGURI GTDTD DAUDR INRTI AWWUT ARNWN ADUTD RITDR UNRAI  
 IIAUW IUATU UUUNN AWAIT GTAWN TTWIT ATDDU RGDGU WDRRT IUIII  
 RTAGR TGTIU NAGTR IDITI DWGAT GWDAL WARAR AUUWU IWGIG IGTUU  
 NIWNG AGDIG GNAIA DNRRT WURDD IWDAT ITIRR GWRUU NRNTW NAIRR  
 + + +

IIGGA IIGGA IIGGA IIGGA IIGGA = = =  
 TADGR UTRII UTTWR GUAND WRDNU NITWR URGIU UDWUA GDTGG IUUTG  
 TTDAI ANWUD RNWAU DURAU DWAAU WTNDI DGUWW NNUNN TWRUU GGATG  
 UGTWG NWUAD NNRAR GIGRR TUWRN GGNDR IDNUT ITNGU DADGW WGGIU  
 TUTDR WATTR IITRG AGRDG GUWND GRTDG ANRNA GRWTW WDRIR UUUAT  
 NNAWG RNDGT WGRWU IDRUA IAUGD ATGNW ITARN TDWUA RTTGG GRNDW  
 UAARA AAWWG NUNNI GDUIG GUUDW DGGID URAAG TAIGW GNTND TNNNR  
 WIRTA ATUAA TTGWT UGTGW NNUAR INRGI NUWUW GUDDN UNUTR TGDGI  
 IGWGD UUIWW NWUGG WNINU IAWTN NDNRD GUIWN NUNRD NTADW IRADR  
 WUURU UNNWW NTWNN GAAIR RIRGR IGTAI RARDT IIDAG NGTDT NGUTN  
 RTRRW INUWR NTNGU RTNUI IWIDG UGTII DRWAN RNUDW TGNWR WUUGW  
 AIRAR DRWDG WTUTG WUAGA ANUWN AGGNU GRTWU IRIRN TUGRD AUUGT  
 IRRDT AUDND IURRW DNDII GNAAN TGGGI RGGNN TUAAD WUATW TTWWT  
 URGUU RNNWT DNWGD UINIU UIIRT WIGAU DDTNG GTIGU RARNW IGWAT  
 AGRGU UIDIU IRIWW RIAGD RGWUW IURNA HDDRG IRAIN AATRI TADND  
 TNWIR WIRUU TTNUR DWWTU GNUDI AAGAA NWDDW TTANN NRGGU AGNGU  
 + + +

GTNAN GTNAN GTNAN GTNAN GTNAN = = =  
 TGTIU WTGTW WRGTT AUAWR IANWU TGDUI UDDIG UDNRN DRRRD NNAAG  
 TWAWR WIUIG GTIRG NNGTW IRUWW UTDDU TRAUI TADIR DAAGW ADWDR  
 ANNAG RAUAI RGTNT DARGI RRIAW GRGAW DDRDR UWGWW IGDRW TTURT  
 ITDUU AGNGU UWITU AUAWR TTNAU TAIDG DRGAW RTGGU TWDUG ADTTN  
 ARIDW WIURG IWIUI GRWRU URDID WDIGT NURIA IRWGW INWNG WAUIG  
 DNADN ARIWG ATDAT RWWRU NGTNU WTUTI WWRNI RIWUR DUNDG DIGUW  
 UUAUU GANNT TWWIU RUITN DGNNR RRRNN DTGDI AIUDI RTGIG UDAUI  
 RURAN GNGTD WWTWI NAAWT GUNRW UWUWR IDUIR ATTIA NUNWA TAGGW  
 AGGRT RRAGG GIUTI WAUIT NWNDT ADTWA RTNNN UIRIR UGWNW TTIWA  
 UUGAA DIGIT RRGTR UTGRI TTIUR NRWRN ARNNU RWDUI DUDTG ARWNT  
 NNTRU RUUTN UGGTN GUNNR WWGRU IRDNT DWWRN RRGU RRIAGU  
 DWUAR RDGNG AGWDA GUUDG WRUDA WTRNT NTDIG DGGGN NIIU GITTR  
 RTRIA NANRI TDNIA RIAGG TUDUU INRTD GANID WTDIR DGRIW NRDN  
 IGANG IIRN RWNUD IANRA UUNWI GGWUU DRIUI RNWUI NRANU GDNWG  
 GAIWW TGDUG UNIDU NATNN WWGDT RNUWI ITAUR INGNT TTWGU NDRWG  
 + + + SK

NGITN DNADA WWWWN NGITN DNADA WWWWN NGITN DNADA WWWWN

NGITN NGITN NGITN NGITN NGITN = = =  
 WGTR WDNDW RDDUW UTAUI WARRI UGNUI AIDNT INIIR TGTWU WGDIA  
 GDGGR TRDDT GUWTN GWIRA TNANT DGTNU GIUND WUAGU ITUNT UDWRW  
 AITGD UWUWI UUWGW WWNDA RADUU RDAWT DNIGW IDTNR WUGTT AARNR  
 WIGWT DNGUD RWANT WUDUT DTATN AGWGI UWUWI UDIAA Awnuu WGRND  
 TNWAA IAGAD DDIWA DATRG WNATI ANGDT GIGAG TADIG DWWUU NIRNN  
 GGNUA UDADN DNIGA IDRDT GGIIU INIUR GIGII NRUAN ANTTR ANRDI  
 ANWGI UWDRR DTRTG GIWWW TNITW IGDAD TUAID AUNNI WTNGT WADTI  
 NIIAA ATTNW IWGUG AUNUT AAUGD GNNDD WNNNG TIITI RNRNN GTIAG  
 GIAAW NDUUA ATNAT WRNGW IDARW NNRDI WUGUW TUGDI UGWRT GTAUN  
 WRGIU GWIDG WIGGA DUDUW GTNNI WAI RN NWNIR TDTAN TDRUN NWTWD  
 WTTWA ANTRA AGGIW ANGID TIGNR AWTUR DITRN DGDUA GUIGT GDUIT  
 NWDNN WUDTW UNAI I TUDUN ADNTI RDGWG UAUWU AINNA UNUDW NRNTR  
 NGDGG NURTR WDGWT WTUAW NTIII TNNRW IA GN ARTGI NIWGD GWGDG  
 RUIWG TGDRW WNAUT WUUGD ATADU UUNUU RTDTA NWDGU WRRGR RUINA  
 UANIU AIDRG UTIRG DIURG IIINT IIAWD UWIDA UIRGN TIWGR RWRNN  
 + + +

DNADA DNADA DNADA DNADA DNADA = = =  
 GDWAG WWANU WATGR WTGDI ITNIA AAATW DGGUI DGUAG NTGWR DINTU  
 ITTWN UARGR GGATU IDDR T NGUGU AUIRD WWDIW AAITD UUDGW ADIUI  
 DURWI TTWGD AWRAN GARWG INDIN UAIDR ITAND GGAAD IWWNR NARGI  
 DAAWT NDDGW UWRAG UWGTD IUAUU WRUDN TURIN RANRI IGTRR UIDGA  
 GTRUR RWUDG WAIAG TANTU GWUTN UNADG TWNUW WUIGI NRTNT UIGUN  
 URGID IWGGG UAAAA UUWWR GDTDW WWINN DUTRT GRAUA TGWGU UDGTW  
 GRGWI UDAUA DRIDA NRDNR IRUTN NWNDG AGWUA RUGNT AURWN NUDND  
 GGD RD GDDI NIRUN WNTNR UWNWT UIIIT ATNNN ARIWD GUITR GWDTW  
 UATRA UNDDG WDARD RUUIG RGRAN NIDTN RTWDA ADGIN NRWWU DNUDA  
 UATGD IRUAU NWWTA URTGI TRRDU IIAIA DTTNR GRTIR WNWIU ATTTA  
 AWIIN NTUNA WUAGD UUDGW IUTWR TNRTN TRGDA UUART NNIIA AGIGD  
 WUWTU GDUAR AAAIA DWTAT UIUWR RUIRW GADDI NUJUD DNRUD RWWUU  
 TRGUA IGTGI GIRUA IRGDT IIATI RTWTA IRDTI RGINI IWIAN ANGTD  
 IRAIG RGTAT TGWIT DTAGW TINNU RNUNN TINDA WUWIIW TDTTD URDNR  
 NRDRR ANDWT RURII AWGGA TIGNN NRIWW DTIGN IIDDD WTGWG IDAAI  
 + + +

WWWWN WWWWN WWWWN WWWWN WWWWN = = =  
 TGWUT ITRGA ITGRW WTDAG TINII DAIUA GTTDD DIAID URTRN UWNII  
 RWWRN RIRII DWNGN UIITT NAIRN NNUTD DTINT ADIWI GDRRD NUGTR  
 NDTUI NDUNR RIRWG AIDUW IRTRT NGIRT RUIIN WWIGG UAWAT TRGWR  
 WRWRT ATAIA UGUWW UIWGN WRWTI WNRNA IAWUR WATUT GGRAI UTGTW  
 TUUWA AWTNW IUINI TNARA WAANG RGGIG RUNTT TAIAD GUNGW GNWRI  
 WGUJU IRWGW WNUNI NGAIT INATN AWIUA ARGWI TAWIR IRDIN UAAND  
 DIGGI WUDDG URTIN GNRNR URAAD AIRNR UDUDG AUANG RITGN TDNRR  
 ATUWR NGDNR UDAIG IWTGA TUUWD WDWDW AGTRT RRUIT WGRII WUUDR  
 IIWIN RNDGG RRTDU GUDUN UNGUU RTRUA TURIT WGUNW DTAGI IGGNR  
 ADDR UURUN ANDGN TTGUU DIUIT NNATG GUUUI UWUUD DRATA WGUTG  
 WRTTN RUAAN NUNAN RIAUD ANTIA WWIAA WNGUW WTTG RGWRW TTAWT  
 GDFTW WTADT DGINW DUIGG Awntr AAUAI DRTUN IINWT GAGIR UNWNI  
 TDRUD NWWTA IDTNR NAAAU UUAUA NNDUI IAGRA GWDTA ARTAA RDDNG  
 DGUIW WJITI WGUND WURTU NWRUR IRTTT DTNIW NNRGN RWAGU GATTA  
 IANGU IDNIG NRGGD UUTGA RRDGR RNDIA RUAID UWUJU IGDTR GNNWR  
 + + + SK

**8047/6802/5788 kHz, 04-02, 1800/1820/1840 UTC**

463 463 463 1 9042 97 9042 97  
02151 13656 99363 26063 90991 43435 50475 79401 79008 91629  
50481 23622 37016 05805 00132 48985 62791 48012 19796 97956  
49689 33428 81901 44883 90456 78933 46683 44233 57523 12934  
69463 58745 75743 16163 71771 73534 65100 58423 44105 52079  
99549 18358 12839 06758 66060 13364 10114 34082 60410 10255  
29845 47473 86095 42576 60624 87057 48663 62978 36067 04610  
75035 58368 61168 63241 97020 81093 22449 01940 22643 99484  
58188 20666 71331 46385 31850 39703 32160 44365 25036 65703  
67594 46637 75661 64482 70017 70306 08091 93766 03857 29774  
33543 91433 52744 45721 24068 78577 78879 000 000

**14489/13489/12189 kHz, 06-02/08-02, 1310/1330/1350 UTC**

441 441 441 1 143 18 143 18  
86135 81289 94988 01554 75916 35022 05891 22674 10345 15072  
54656 53544 54760 97863 98171 61477 46242 77575 000 000

**5832/6832/7732 kHz, 09-02, 2200/2220/2240 UTC**

887 877 887 1 3385 85 3385 85  
56672 67889 14993 02810 12076 23944 12478 80136 58132 51706  
44389 87664 91387 14961 28712 28606 26801 70110 36387 63987  
59143 35071 74211 87678 47538 70005 38702 50399 71812 95141  
08970 14089 31102 61565 32613 01859 59037 78035 27150 78051  
21316 69901 95991 62978 39691 31928 70224 79929 92647 38800  
11821 56877 37840 37184 57863 59632 80114 10304 42959 70931  
98545 05733 36722 44578 07422 79717 08412 86152 75622 14966  
42638 24701 03219 59608 77011 07467 74617 97659 10266 58687  
78030 27951 92645 88581 53824 000 000

**13369/14669/15969 kHz, 10-02/14-02, 1030/1040/1050 UTC**

369 369 369 1 7766 42 7766 42  
24859 19006 85328 61549 25531 24141 29642 13043 69416 66082  
47849 41599 57674 63428 50282 53048 19653 98467 61273 53645  
00678 04637 21682 93594 83875 90423 57457 09270 61467 55762  
01526 11128 05804 82348 03698 68041 50009 50521 43161 75917  
17356 53404 000 000

**13362/11562/10362 kHz, 11-02/13-02, 1400/1420/1440 kHz**

353 353 353 1 428 98 428 98  
79849 24450 09976 80729 27090 25356 77351 42995 36750 80066  
68797 74734 16786 32713 45464 56574 69204 27394 54551 73932  
67850 52746 36832 53565 13254 23253 24828 75471 07069 93788  
05425 10163 83591 77521 22174 80071 95898 92275 70012 76856  
12177 70715 04472 80611 71792 79968 83775 82717 72809 71549  
41769 72128 14667 71610 06093 16373 51449 06185 98010 34498  
22523 52613 15736 64935 68227 65605 69418 79246 62324 11134  
18415 05492 84711 54063 48248 53403 81524 45287 74235 44758  
01650 21955 16083 68154 45564 17302 38802 58945 04584 18044  
33636 17125 50226 19896 85324 41179 84006 74632 000 000

**8047/6802/5788 kHz, 11-02, 1800/1820/1840 UTC**

463 463 463 1 7085 99 7085 99  
83022 68641 13153 56019 06955 35207 08494 58139 42324 30793  
66435 07335 85708 31219 49124 14325 45133 85024 03215 45311  
98080 73452 74521 83722 80501 32359 50547 29501 98931 21609  
80473 27967 92599 57949 40978 07595 69506 25893 73199 48304  
68136 96023 43180 49943 18811 18855 49019 59315 78097 71376  
17965 47979 59837 29368 68538 31131 88654 08374 34000 01239  
37589 83315 08114 90011 07537 23094 24598 89520 52645 51745  
31766 58291 29571 19344 00104 95719 47859 23189 47185 45150  
19216 11621 31544 90151 12730 53773 44137 65654 82216 85425  
16480 34801 67352 36927 37732 78499 79347 50168 30415 000 000

**14489/13489/12189 kHz, 13-02/15-02/20-02/22-02, 1310/1330/1350 UTC**

441 441 441 1 6107 20 6107 20  
43823 22290 94025 71922 36526 24108 18986 60416 46214 18089  
72138 59715 15304 45108 35164 53627 12663 24799 09126 69544  
000 000

**5429/4629/4029 kHz, 13-02, 2200/2220/2240 UTC**

460 460 460 1 637 67 637 67  
94527 21035 40191 29122 86299 41357 46443 15807 35702 72438  
53203 24405 91845 81475 72702 91504 72358 38725 08386 11131  
98117 51486 94621 96640 71190 99778 19247 40710 97930 79115  
03444 29688 56813 85504 88565 97225 99202 82045 28906 77767  
97470 53773 38063 30613 48710 08266 69591 22148 96656 08532  
37651 58810 90917 80056 00724 03196 48046 42993 64024 13930  
51377 62411 18559 78437 05597 07336 37007 000 000

**5832/6832/7732 kHz, 15-02/16-02/23-02, 2200/220/2240 UTC**

887 887 887 1 6087 200 6087 200  
09365 23436 89011 09973 41958 58907 25769 04473 08291 82406  
24118 88648 77304 09436 40961 63701 65142 30076 73096 14014  
20050 07682 09435 68409 32119 80682 48686 25933 80621 12598  
13872 27914 11243 72956 28375 48689 76924 11843 98876 70682  
71471 32605 92917 46408 06262 11630 72788 66390 27967 53371  
10012 28943 02301 11147 29711 22605 50534 16163 53004 18333  
87459 52370 73159 51186 35589 58926 18251 79530 67649 04904  
46441 06341 68288 76578 99348 36092 66490 58308 63212 25932  
92118 89603 00225 87181 81370 95984 83283 68795 64601 54363  
64801 18001 71799 91697 58005 40569 20870 93450 11776 16109  
11041 37226 41683 25923 67220 40081 16432 71107 00515 85631  
81316 79626 03690 47402 23708 88062 90726 71241 34011 74411  
85589 33805 49358 37547 32305 62387 97565 91640 03200 01202  
91379 90884 84474 09945 88844 83910 43055 02543 36296 77936  
85082 04279 62038 95667 16492 87009 76186 65132 25619 49292  
14509 27951 41184 09449 55330 82131 74717 14695 17439 94099  
70961 86328 24082 32543 97071 30675 65487 25872 68837 54305  
66637 20944 82121 03658 02742 16075 79892 52977 39191 95900  
94478 87190 90733 15469 30475 00696 81957 60541 19647 64714  
42714 68528 79388 76629 78063 09253 53098 62254 24653 53018  
000 000

**7637/9137//10237 kHz, 16-02, 0600/0620/0640 UTC**

612 612 612 1 637 67 637 67  
94527 21035 40191 29122 86299 41357 46443 15807 35702 72438  
53203 24405 91845 81475 72702 91504 72358 38725 08386 11131  
98117 51486 94621 96640 71190 99778 19247 40710 97930 79115  
03444 29688 56813 85504 88565 97225 99202 82045 28906 77767  
97470 53773 38063 30613 48710 08266 69591 22148 96656 08532  
37651 58810 90917 80056 00724 03196 48046 42993 64024 13930  
51377 62411 18559 78437 05597 07336 37007 000 000

**13362/11562/10362 kHz, 18-02/20-02, 1400/1420/1440 kHz**

353 353 353 1 428 98 428 98  
79849 24450 09976 80729 27090 25356 77351 42995 36750 80066  
68797 74734 16786 32713 45464 56574 69204 27394 54551 73932  
67850 52746 36832 53565 13254 23253 24828 75471 07069 93788  
05425 10163 83591 77521 22174 80071 95898 92275 70012 76856  
12177 70715 04472 80611 71792 79968 83775 82717 72809 71549  
41759 72128 14667 71610 06093 16373 51449 06185 98010 34498  
22523 52613 15736 64935 68227 65605 69418 79246 62324 11134  
18415 05492 84711 54063 48248 53403 81524 45287 74235 44758  
01650 21955 16083 68154 45564 17302 38802 58945 04584 18044  
33636 17125 50226 19896 85324 41179 84006 74632 000 000

**8047/6802/5788 kHz, 18-02, 1800/1820/1840 UTC**

463 463 463 1 733 27 733 27  
33661 80901 44687 68648 20563 39615 81102 09515 81871 73648  
30582 73613 42472 82410 73568 77611 38430 43865 18510 25407  
77547 12030 16408 44702 75796 84890 21188 000 000

**10343/9264/8116 kHz, 18-02, 2000/2020/2040 UTC**

124 124 124 1 1010 102 1010 102  
80071 63899 12837 30600 91073 30749 41962 07511 76101 07612  
04498 90238 89519 66124 49718 78814 27726 58112 59431 88912  
98331 49672 59710 06764 42463 45681 80852 27567 67802 11543  
19738 03840 48130 62090 83626 84590 09431 97187 29815 39058  
68738 61035 83964 52500 07506 32257 45294 79119 08952 77617  
99274 28485 55911 74708 61534 16186 65705 39122 62227 19919  
61990 42431 98076 87469 99809 40145 51991 00572 40899 63717  
03349 99945 15706 08262 29529 39412 63092 11639 55026 68871  
61879 20963 37110 74092 57717 60161 52063 46329 26209 49508  
47369 94173 20573 21034 65418 57877 29353 51358 90889 81739  
17047 17960 000 000

**13369/14669/15969 kHz, 21-02, 1030/1040/1050 UTC**

369 369 369 1 214 88 214 88  
04960 34189 69305 15654 18720 40660 38927 62079 27240 18103  
01477 51642 52695 28331 14694 26222 69769 89831 81193 22223  
33485 91944 11866 22473 76816 10101 63630 55067 02929 30242  
64285 36412 48517 48099 11881 86104 42442 96736 68008 82541  
16559 51266 89152 22239 81743 37218 66698 96420 10203 40321  
73462 38039 70550 72745 34838 46018 12553 14243 14511 49764  
83967 57202 67503 01328 74742 76771 29681 08853 35736 60828  
22680 80384 39839 66384 93204 06571 84112 63463 60370 09143  
88587 50041 52688 03488 49779 21401 80140 22107 000 000

**8047/6802/5788 kHz, 25-02, 1800/1820/1840 UTC**

463 463 463 1 3488 91 3488 91  
 05873 48185 08866 81680 56798 67352 30638 22169 93171 07238  
 81027 40351 01218 19839 61506 23910 52662 13010 93428 20555  
 52645 45385 34262 14678 70175 29474 94510 70905 79046 05972  
 33431 57114 76464 03502 69792 89948 53807 09016 41902 98621  
 77857 50285 07275 24860 60573 14076 62737 35176 52286 76989  
 19976 83767 59705 81306 87340 55873 03105 90704 00725 00752  
 16134 43192 74348 91655 59810 07745 53115 33512 11882 20430  
 61535 70127 01593 93846 13543 00928 45604 76473 12281 88359  
 15305 06103 06585 14473 37112 62731 06969 35537 78221 47986  
 95747 000 000

**10343/9264/8116 kHz, 25-02, 2000/2020/2040 UTC**

124 124 124 1 1155 107 1155 107  
 13667 97189 51707 70918 51129 83532 86560 16422 09124 05803  
 31536 71241 67726 78311 24336 74396 80466 14729 47165 47330  
 63513 62093 06185 83034 07947 76405 49216 45731 00954 63090  
 27621 01613 91351 04869 46865 46945 05698 08982 57792 82055  
 31940 38713 74451 70201 05129 59422 13861 20100 25742 53050  
 90594 76630 14189 47558 80133 04704 82206 67611 35691 89193  
 14354 35761 32485 21085 42401 11377 95738 13902 43744 49690  
 65541 07937 41200 70824 74717 34867 41893 97510 63263 69401  
 34183 26351 84303 26610 93177 79790 48243 77462 54941 42481  
 07361 57607 85680 05417 00603 46227 23627 47440 57121 66088  
 52178 54967 54739 63371 71914 05666 96771 000 000

**5429/4629/4029 kHz, 27-02, 2200/2220/2240 UTC**

460 460 460 1 6655 113 6655 113  
 55967 28487 61629 67726 55871 05385 74367 30976 29644 12313  
 99387 78609 31263 73548 75962 22581 23971 46043 64730 65955  
 88258 56550 83192 28110 10054 00381 81093 95124 14973 67206  
 89956 61764 01481 43165 47742 32159 55456 00689 75440 86031  
 81378 96505 35771 96465 99666 62919 03677 90098 35678 49613  
 86191 15251 75281 63927 97105 18459 07618 71368 01469 74312  
 96553 57464 89910 87503 22498 88336 88501 97808 92037 91807  
 93741 23243 98111 18542 48011 59598 59825 35286 24879 42898  
 60998 85394 57976 68419 00707 47651 96048 38805 63961 64016  
 61157 21556 57129 67874 53414 03696 27223 69369 73046 67883  
 35805 05671 74032 06366 53836 92454 53675 58891 05105 84857  
 01096 55296 97401 000 000

**M14****4730/4650 kHz, 02-02, 0800/0900 UTC**

523 568 568 45 45 = =  
 56756 34534 25456 83209 56897 34565 87656 19865 98432 45367  
 78564 34786 23456 33119 45268 47564 22065 45782 28465 36453  
 67325 56745 57256 97531 24754 57351 65783 98456 23674 64821  
 62473 51056 24564 63714 67346 36543 91043 71890 45234 90325  
 44607 25378 80976 34267 17834  
 = = 568 568 45 45 00000

**18041 kHz, 04-02, 0500 UTC**

Started with a null message 952 952 952 0000  
 Stopped, then right into the message, without the preamble  
 98458 77546 84250 44251 52362 37000 37  
 Stopped again and restarted



952 803 803 55 55 = =  
98458 77546 84250 44251 52362 37000 23292 08777 23823 49682  
19754 37112 99442 16550 93147 75426 28115 47276 92886 51037  
22676 62270 77138 10419 68688 30338 69897 48319 88792 84183  
07216 82679 36057 80924 08541 55047 14775 99813 34081 61159  
52137 94359 14142 41388 69221 41023 61378 85742 24739 51689  
01891 33104 29965 42093 86110  
= = 803 803 55 55 00000

**4730/4650 kHz, 09-02, 0800/0900 UTC**

523 903 903 43 43 = =  
78142 35271 89356 78452 90451 21563 89241 09351 47241 63890  
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209  
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498  
37813 54720 63190 73891 04672 14278 43619 90461 72357 89156  
26713 33678 90351  
= = 903 903 43 43 00000

**4636 kHz, 12-02, 1820 UTC**

186 270 270 42 42 = =  
67321 45236 10946 77215 63214 09451 26345 89461 37145 27361  
78451 46234 78456 36245 89045 78341 52390 84672 56347 09563  
78237 45148 56340 90451 26489 36127 90462 18946 37451 63278  
67342 14267 89560 06745 78452 67133 53678 90462 47380 33769  
56241 33781  
= = 270 270 42 42 00000

**4761 kHz, 13-02, 1920 UTC**

748 270 270 42 42 = =  
67321 45236 10946 77215 63214 09451 26345 89461 37145 27361  
78451 46234 78456 36245 89045 78341 52390 84672 56347 09563  
78237 45148 56340 90451 26489 36127 90462 18946 37451 63278  
67342 14267 89560 06745 78452 67133 53678 90462 47380 33769  
56241 33781  
= = 270 270 42 42 00000

**4813/4480 kHz, 15-02, 1900/2000 UTC**

735 (R4) nothing else

**4730/4650 kHz, 16-02, 0800/0900 UTC**

523 270 270 42 42 = =  
67321 45236 10946 77215 63214 09451 26345 89461 37145 27361  
78451 46234 78456 36245 89045 78341 52390 84672 56347 09563  
78237 45148 56340 90451 26489 36127 90462 18946 37451 63278  
67342 14267 89560 06745 78452 67133 53678 90462 47380 33769  
56241 33781  
= = 270 270 42 42 00000

**18041 kHz, 18-02, 0500 UTC**

952 408 408 55 55 = =  
91893 15556 71190 01917 73040 14653 70497 02623 22691 19983  
14864 74647 41888 51878 56510 06909 89262 48677 88078 42375  
53460 97623 40890 88118 97152 23686 72756 73118 39826 72208  
25033 52260 71513 46361 53587 79965 14681 85309 63394 01881  
76444 94038 01423 38075 58301 60776 87510 56181 15577 22963  
87924 57911 83758 67674 61271  
= = 408 408 55 55 00000

**17458 kHz, 25-02, 0930 UTC**

Two messages. The second message was distorted and much weaker than the first one.

617 432 432 65 65 = =

88392 52148 80762 13649 18237 34157 84122 96779 92785 59332  
27084 31715 24298 04471 49089 78018 13709 13571 45875 64007  
78285 85746 21644 28312 92849 49145 21481 36678 42681 17256  
74648 49453 09865 82807 27726 85011 18857 49871 57041 26834  
51265 94842 80883 34092 18307 39637 42329 00556 66314 90412  
34846 62015 73269 17626 84483 85270 82419 23333 39555 91428  
54836 52303 39042 09412 27097

= = 432 432 65 65

617 617 617 617 617 617 617 617 617 617 617 617 617 617

617 617 894 894 50 50 = =

05868 15649 42746 61005 67469 97487 28997 16033 06268 34679  
62619 65672 70696 48853 53891 55882 76930 76862 76225 17125  
26546 81019 76543 61114 15915 30787 16390 71601 33578 94650  
20424 22723 48155 59480 01514 44703 77625 42706 42154 37846  
90930 02487 27926 07378 88755 88713 08246 21380 88568 72794  
= = 894 894 50 50 00000

**4636 kHz, 26-02, 1820 UTC**

186 903 903 43 43 = =

78142 35271 89356 78452 90451 21563 89241 09351 47241 63890  
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209  
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498  
37813 54720 63190 73891 04672 14278 43619 90461 72357 89156  
26713 33678 90351

= = 903 903 43 43 00000

**4751 kHz, 27-02, 1920 UTC**

748 903 903 43 43 = =

78142 35271 89356 78452 90451 21563 89241 09351 47241 63890  
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209  
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498  
37813 54720 63190 73891 04672 14278 43619 90461 72357 89156  
26713 33678 90351

= = 903 903 43 43 00000

**M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)****4349.5 kHz, 20-02, 0610 UTC**

=990910??0????? =990911??0????? =990912??0?????

**M22 - 4XZ****6607 kHz, 20-02, 1825 UTC**

VVV DE 4XZ 4XZ = =

AR AR NW QTC 1 NR 364 = =

NR 364 PB V JC6M 827102 SP7I GR 05 = =

SISIS DKEHC AJBPW KBAF AIWUL FQQZE ATYNC SIMKW KYBLX QKJAG  
TGNFD XSMEF OQYBI TJOGU YNKBU TQDQO NAAAXE TUUHT HYARZ UYJSH  
UPNQY GQJYB IAZUG XQEAY DWRMD PZPNW KUNIZ WWUFA TXTBU RJTMA  
GUKGH DCZMR BKXBQ STIWP XBSIL HDNWJ QYEEQ DMGGW BWOPY ICIYW

= = AA GR 04 = =

HPYPJ CIBDX KKBCF NXEKF PCGNF WMWDF SDCEX RPUOO JHGGU DKEHC = =

NR 364 PB V JC6M 827102 SP7I GR 05 = =  
 SISIS DKEHC AJBPW KBASF AIWUL FQQZE ATYNC SIMKW KYBLX QKJAG  
 TGNFD XSMEF OQYBI TJOGU YNKBU TQDQO NAAAXE TUUHT HYARZ UYJSH  
 UPNQY GQJYB IAZUG XQEAY DWRMD PZPNW KUNIZ WWUFA TXTBU RJTMA  
 GUKGH DCZMR BKXBQ STIWP XBSIL HDNWJ QYEEQ DMGGW BWOPY ICIYW  
 = = AA GR 04 = =  
 HPYPJ CIBDX KKBCF NXEKF PCGNF WMWDF SDCEX RPUOO JHGGU DKEHC = =  
 NR 364 PB V JC6M 827102 SP7I GR 05 = = AR AR

## M23

14100 kHz, 25-02, 1407 UTC i.p. 321 (R3)  
 14100 kHz, 25-02, 1519 UTC 254 (R12)  
 14100 kHz, 25-02, 1728 UTC 321 (R12)  
 14100 kHz, 25-02, 1800 UTC 254 (R14)  
 14100 kHz, 27-02, 1036 UTC 321 (R12)  
 14100 kHz, 27-02, 1308 UTC 123 (R12)  
 14100 kHz, 28-02, 1253 UTC 123 (R12)

## M51b

### 3881//6825 kHz, 11-02, 1444 UTC. Endless messages.

i.p. QWAEV MBNGJ FGDHQ ZXASQ KBFHR RTYEU CXZVB MNFHG 32568 BXAHW /. SK ' LKJGH ORUTI QEWRB BCVDK MKHJU  
 ZSAWQ CVEYR POIUY 25801 VXSAJ ,./ QWAES NCBFG PEYRH BDFSG ADSFW MBNGH LKBXC RYFHB 65489 BSHLK '?., DKRIT  
 VBFGR XCZDW LKUER QWAEW CVDDE MVNGJ RUDHE 65987 NWPOE ?/./? FBEEB XCDFE SHDJE KEJRY CBDNM DDNAJ LKEID  
 XVDFW 20367 SJWYE ' SK ,. JHGJL CWPDK MDNRB QWADS XJSEI LFNVE ALQPX LPOSN 45280 KDSUE . SK '? . LGTOR VDTEU  
 QRSGW ZSLCX MDEYR VLRJF QUDGJ MCRJD 1036 BZAWU .,?' SK PDLEO ADQRW FJFKR CBDBD VTPO SHSHX BCES AWLDO .,/  
 MCIJF 25639 LHPTO QEAXS CBSJS WLDOE LBPNI RAHAY CBCUE FFADQ 01258 MXSUH / SK ., NCDJE LGPTO BCEYG CXAVQ NBMTI  
 PJLYO BVDYE SQAIIH /.,,, EEVXH PSEUH TCEWV NBECJ EQAND BVCNE ZMALO OWLPS SHDYE BNNXM AKQIU KFJEI 23658 VCSBS .?,  
 SK IWOEJ VXFSS AHQUS VDGWT SHGYW NCGET SAGQY VXTEU 11976 LMPHO /=. SK ' BCGCS SALQO ZNXBS DJWUG SLOWP  
 SNDNW SKAYU PWOIE 89650 BXCSD ,./ CXRSTW KOSPO BETERE BVNDJ LKOEI DGFWT CXZVA NCBYW 32980 NVHEI .,/' UD AQPSL  
 MXZNA LAPQI BCSVN SKAOQ XMLJA SHQUX VCBHS 45873 LPFEME '/?+. DKWJH BCNSJ CXGAE CBNSW +.,/' CAZQS 58236 FZDQH  
 VCBHS LKOEI CXAHQ BCNDJ KSLQI NVBDH XZKIW 25869 LMPOS ./' SK ZAKLD OQPKX BVCNSMXJSI CNCSI CNKQO AQLPS ZNXXW  
 CMNVB AKEON QWEIU XBSAJ LHKPY 65489 CARQF .,?' SK QAJWU XBSGH CKWOI AJDGE QOWUN CMNSH SWPEO XHSWU .?,'=  
 DARGD 52017 ALQSO SJNIX QALPS XNBHA SHTYM XNCMS ZMXLP WUEYY 10478 NXBHA .,?' ALQPW XBSUW ALKSO XBCHS SJWIX  
 BCNCJ CMSKW CZFST 12036 NCHDG . 'T+? ZNXJS QPLOS DHDWU XBCNS AJSWI XETYC VNMSK AQOIW 89564 NVMDW ?/ SK '  
 JQIAL OILPU XVAGW DHFGR VNMEI SAHWU SDPLI CBSJW 2356A M XBAGQ .,/' NCPOE XDE EEHW SKWOP SABWU CBEYD NBMCK  
 SAJWU XCVWY 43692 NVMDW ., SK . BXGSG KGMGL RISFE IHGKF BFGH LMGKT QAAED ASZXW VBRYT MBKTJ PLROI QESR F  
 58903 VCDSD ? SK ., ' QWAEV MBNGJ FGDHQ ZXASQ KBFHR RTYEU CXZVB MNFHG 325TS8 BXAHW /. SK ' LKJGH ORUTI QEWRB  
 BRVDS MKHJU ZSAWQ CVEYR POIUY 25801 VXSAJ ,./ QWAES NCBFG PEYRH BDFSG ADSFW MBNGH LKBXC RYFHB 65489 BSHLK  
 '?., DKRIT VBFGR XCZDW LKUER QWAEW CVDDE MVNGJ RUDHE 65987 NW GOE ?/./? FBEEB XCDFE SHDJE KEJRY CBDNM DDNAJ  
 LKEID XVDFW 20367 SJWYE ' SK ,. JHGJL CWPDK MDNRB QWADS XJSEI LFNVE ALQPX LPOSN 45280 KDSUE . SK '? . LGTOR VDTEU  
 QRSGW ZSLCX MDEYR VLRJF QUDGJ MCRJD 21036 BZAWU .,?' SK PDLEO ADQRW FJFKR CBDBD VLTPO SHSHX BCEYS AWLDO .,/  
 MCIJF 25639 LHPTO QEAXS CBSJS WLDOE LBPNI RAHAY CBCUE FFADQ 01258 MXSUH / SK ., NCDJE LGPTO BCEYG CXAVQ NBMTI  
 PJLYO BVDYE SQAIIH /.,' JDUEN 20589 VXBSG VXSHE UHKTF MVNBR NXMCS AQWID CVSHA KLOPI XASQ MVLGK TMYINUI GFHDJ  
 SRED 165EE0 VXANQ .,/' LEPOTW CXRAE XVDR NBFHG WÆES BCZXR BNRIR PGLRMT .FI.,' BEEANDJ 25890 PMMJB UJDKX VBD  
 EMNSHQ XVDKA OLQLA EOENC VHFUR SHNXXE TMWVX ZJSZI OLSBFU DEWRE BXJEI OLSJU YHSLE WNDHC NIASV TVCGR AIKSP  
 LIJFT 52847 GBWCV VCHFP AIKDM SJWNX KAUID LSORV CHLDVFCV XBSKZ 63829 UJSLA BWJRY FLQEA MLJIT CHFUZ SBXJS UJQAZ  
 TC D YHAPS 48 YHDIK XBKS ZUHDK WNXXZ KIOSL HNWJS THZLP WBXKS YHDGV UJSKZ VXYRP SJXLZ WNXXF CJSUR CKSUZ WHNCP  
 LXIET DGSUZ 36528 NBCVX UJSKA ZUSFC XVXVX HNXJS IKWLZ OPAJB GVFBH JSYRT FGCJS KJGDS 6382/ JNCJD XYHRI SJZIS /4637  
 XHNDJ SKAPL YHDUT JKDGC BXNQK YTSJA WBXJM XKLDU LDLDU BCHVN GBCJR XVCHU TIGLD UJDKZ 65382 BWJSU AKSLQ  
 WPETD GVXJD JSKZI JDHCV XNSKZ FSIIF VNFJD BCTWL CBXND QIWUD CNCZZ MNHLP YVBFS QEAXC 32569 VCSGW ., SK '/' QRXVC  
 VMFKE PTOIY MJFSD AQEZC VNFMG LGKHI POIUY 87965 NCJKW .?', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY OPIYU  
 45698 BCSHW .?',+ LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY QIUOF MVNFH 02368 BCSMW ? . SK , MBNCX VFGER POQAS  
 XCFDE JGHNH LKWUE VBCND MLFKG 54796 BSHWL ='/.? ASQEX VMDSO EWGDD LBKGI '.,? . NCDJE 25893 HDJEE LHKTP ZCXAQ  
 BFGEE SHQUK KDLX ASDWG VBNFK 26318 BSHWK 36980 KHJCM LGDHJ CBETJ AQWOT DHIQU VCGSH PELEO XAQEZ NCBGD  
 MVNBT PTOTI BVNYY SWREG 02589 ZBAQV .,?' NCBDH MNLHK CXSDW ASQWE CBXBW LGRPO CBHYW NVVMMR 45896  
 BSGWY ., 'SK? BCDHE LHPOT BCNDW etc. etc.

## **M89 - Chinese military**

**3507 kHz, 03-02, 1405 UTC, i.p.**

U466 3UD6 A3DD U3NU 6434

III = 37U6 D6DU 5ND5 (Cont'd)

AR K

R U MSG GA K

R AS K

R RPT 43W K

R RPT 2P 19W K

R RPT K

R QSL 2227 K

R SK

**5774 kHz, 07-02, 0836 UTC, i.p.**

R U 1700 COMM CM0U K

R R HR KP U K

R HR KP U K

R (All stations on this frequency)

VV B0VR DE GJ4Z K

..Q8 DE F0RV R QSA 2 QSA ? K

R QSA 2 IEC = 4096 AR K (Normally associated with exercise)

R = 2194 AR K

R HR WK NR 050 K

R HR WK NR 14 K

R K

R U 1730 COMM U8TR K

R R HR KP U K

R

VV CM02 DE GJ4Z K

VV FZTR DE GJ4Z K

R HIQ8 DE 0J0Y R QSA 2 QSA ? K

R QSA 2 IEC = 9964 AR K

R = 9354 AR K

R HR WK NR 050 K

R HR WK NR 23 K

R U 1730 COMM B0VR K

R OK

R HR KP U K

R

VV F5QV DE GJ4Z K

R HIQ8 DE 0JQX R QSA 2 QSA ? K

R QSA 2 IEC = 4096 AR K

R = 2194 AR K

R HR WK NR 050 K

R HR WK NR 18 K

R U 1730 COMM F9.Z K

R OK R HR KP U K

R OK

VV F9MZ DE GJ4Z K

R HIQ8 DE 0HSW R QSA 2 QSA ? K

R QSA 2 IEC = 4021 EEEE

R IEC = 4021 AR K

R = ..94 AR K

R HR WK NR 050 K

R HR WK NR 16 K

R U 1730 COMM F5QV K

R

R HR KP U K

R

VV 4NQS DE GJ4Z K  
 R HIQ8 DE HG08 R QSA 2 QSA ? K  
 R QSA 2 IEC = 5118 AR K  
 R = 1769 AR K  
 R HR WK NR 050 K  
 R HR WK NR 13 K  
 R U 1730 COMM 0JPS K  
 R OK  
 R HR KP U K  
 R OK  
 VV 0JPS DE GJ4Z K  
 R HIQ8 DE HNUJ R QSA 2 QSA ? K  
 R QSA 2 IEC = 1769 AR K  
 R = 9993 AR K  
 R HR WK NR 050 K  
 R HR WK NR 28 K  
 R U 1730 COMM 4NQS K  
 R RPT K  
 R U 1730 COMM 4NQS K  
 R OK  
 R HR KP U K  
 R OK  
 VV CJ1R DE GJ4Z K  
 R HIQ8 DE FORW R QSA 2 QSA ? K  
 R QSA 2 IEC = 9694 AR K  
 R = 7.32 AR K  
 R HR WK NR 050 K  
 R HR WK NR 36 K  
 RPT  
 R HR WK NR 36 K  
 R U 1730 COMM 4PUX K  
 R  
 R HR KP U K  
 R HR KP U K  
 R OK  
 VV 4PUX DE GJ4Z K  
 R HIQ8 DE B30X R QSA 2 QSA ? K  
 R HIQ8 DE B30X R QSA 2 QSA ? K  
 R QSA 2 IEC = 6454 AR K  
 R = 6813 AR K  
 R HR WK NR 050 K  
 R HR WK NR 160 K  
 R U 1730 COMM CJ1R K  
 OK  
 R HR KP U K  
 R OK  
**5137 kHz, 26-02, 1530 UTC, i.p.**  
 VV GUSG DE FJFA HR SVC GA  
 HR SVC GA =  
 887/9157/57/55/85/XZ584/X284A/7/1EEEE  
 BT 887/9157/57/55/85/XZ584/X284A/7/WU AR  
 HR SVC GA HR SVC GA =  
 887/9157/57/55/85/XZ584/X284A/7/W K AR  
 HR NR 302 HR NR 302 NIL SU NIL SU

## M95

### 3642/7602 kHz, 02-02, 1328 UTC

VV HR SVC GA

NR 017 2130 RMKS 3528 TO 3222 =

CL/2200/ZBT/3528/3222 AR QSL ? HR WK NR 050

### 4283/9153 kHz, 03-02, 1328 UTC, XSV70 i.p.

773 357 37U 4AA

MSG AGN

NR 101 CK 140 35 0203 1602

3U5 UT3 TT3 3U6 3A4 TT4 773 354 (Cont'd)

A HR 7G GA

NR 102 CK 173 35 0203 1602

3U5 UT3 TT3 3U6 TT4 TT5 773 (Cont'd)

MSG AGN

NR 102 CK 173 35 0203 1602

3U5 UT3 TT3 3U6 TT4 TT5 773 (Repeats message)

ZNN SK

### 4243 kHz, 05-02, 1142 UTC. Q26: 4+4 QPSK 75/3000 LSB

### 4243 kHz, 05-02, 1150 UTC. M95: CW

### 4243 kHz, 05-02, 1228 UTC. V26: voice

Same messages in all modes.

V HR MSG TO YR PSE CY

NR 058 CK 32 35 0205 1526 =

5AA UTT TT5 3U6 3A4 TTU 773 353 4AA 33N

4TA 445 3DA 34U 446 3DU 4D3 TT3 TT4 773

353 N3D 354 4AA 34T 4TA 445 3DA 34U 446

3DU 4D3 AR

7G AGN

NR 058 CK 32 35 0205 1526 = (Repeats message) AR

A HR 7G GA

NR 10 CK 200 35 0205 1617 =

UTU TT5 3U6 3A4 7TU 7TA NU6 7T5 777 75N (Cont'd) AR

MSG AGN

NR 10 CK 200 35 0205 1617 = (Repeats message) AR

A HR 7G GA

NR 082 CK 22 35 0205 1618 =

UT5 TT5 3U6 3A4 TTA TTU TT3 773 353 4UT

446 TTA 773 33U N3U 44D 4D3 N3D 4D6 3DU

N3D 3D5 AR

7G AGN

NR 082 CK 22 35 0205 1618 = (Repeats message) AR

A HR 7G GA

NR 083 CK 15 35 0205 1621 =

UT5 TT5 3U6 7TA TTA TTU TT3 773 4UT 446

TTA 773 33U N3D 44D AR

MSG AGN

NR 083 CK 15 35 0205 1621 = (Repeats message) AR

A HR UP SB WK

### 5801/10180 kHz, 08-02, 0948 UTC

V DKG6 (x3) DE 3A7D (x2)

NR 97 1730 RMKS 3528 TO 3298 =

SVC QRW 3528 QRW L18 3298 1900 COMM 4058 AR

QSL ?

HR WK NR 150

4364//8073 kHz, 11-02, 1132 UTC. Q26: 4+4 QPSK 75/3000 LSB

4364//8073 kHz, 11-02, 1139 UTC. M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0140 CK 222 35 0211 1536 =

TAA 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 (Cont'd)

4243 kHz, 22-02, 1146 UTC. Q26: 4+4 QPSK 75/3000 LSB

4243 kHz, 22-02, 1148 UTC. M95: CW

V HR MSG TO YR PSE CY

NR 092 CK 36 35 0222 1525 =

5AA UTT TUU 3U6 3A4 TTU 773 353 4TA 445

3DA 3D3 TT3 773 353 4TA 446 3DU 33U 34T

DA5 N34 445 3DA 4D3 TT4 773 353 4TA 33U

34U N4D 4TN 445 3DA 4DU AR

A HR MSG GA

NR 44 CK 156 35 0222 1546 =

UTU TUU 3U6 3A4 TTU 773 353 U4T 45A 4TA (Cont'd)

## DIGITAL MODES

### HM01 - Dirección General de Inteligencia

#### HM01 RDFT file log by MDK2

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

01/02/2019	66012	50416601.f1c *	11435 1600
	17241	20511724.txt *	
	10803	46251080.txt *	
	16171	01041617.txt *	
	10125	74061012.txt *	
	67090	57856709.txt *	

\* These files were first sent on 21 January. HM01 repeated these number sets and files every day through 17 February.

Date	Freq. and time	Date	Freq. and time
02/02/2019	11435 1600	10/02/2019	11435 1600
03/02/2019	11435 1600	11/02/2019	11435 1600
04/02/2019	11435 1600	12/02/2019	11435 1600
05/02/2019	11435 1600	13/02/2019	11435 1600
06/02/2019	11435 1600	14/02/2019	11435 1600
07/02/2019	11435 1600	15/02/2019	11435 1600
08/02/2019	11530 1700	16/02/2019	11635 1800
09/02/2019	10860 0600 (10 OCT)	17/02/2019	11435 1600

From the 18th through the 22nd, there were new number sets and files, and the last digit in each number group progressed by +1 each day. This was the first time in since early November that HM01 operated in it's once-standard format. But following the 22nd it reverted to repetitions of what was transmitted on that date.

18/02/2019	24078	87752407.txt	11530 1700
	46157	50504615.f1c	
	55101	04445510.txt	
	83882	22748388.txt	
	28552	76652855.txt	
	23033	47352303.txt	

19/02/2019	18251	50631825.f1c	11435	1600
	46158	repeat		
	55101	repeat		
	83883	repeat		
	28553	repeat		
	23034	repeat		
20/02/2019	18251	repeat	11435	1600
	46159	repeat		
	55102	repeat		
	83884	repeat		
	28554	repeat		
	23035	repeat		
21/02/2019	18252	repeat	11530	1700
	65311	74016531.txt		
	55103	repeat		
	83885	repeat		
	28555	repeat		
	23036	repeat		
22/02/2019	18253	repeat	11435	1600
	65311	repeat		
	55104	repeat		
	83886	repeat		
	28556	repeat		
	23037	repeat		

#### Date Freq. and time

23/02/2019	16180	2100
24/02/2019	11435	1600
25/02/2019	11435	1600
26/02/2019	11435	1600
27/02/2019	11530	1700
28/02/2019	11435	1600

All copies of received files are online and may be viewed or downloaded here:

<https://www.dropbox.com/sh/53og759ali8cx0m/AACseakOBYm296WdtwU0LPDWa?dl=0>

#### HM01 RDFT file reference

This includes only files sent on M08a frequencies, as HM01 was repeating November files and number sets throughout December.

#### Sort by file name

File Name:	Number group:	Date first logged (DDMMYYYY):
04445510.txt	5510#	18/02/2019
22748388.txt	8388#	18/02/2019
47352303.txt	2303#	18/02/2019
50504615.f1c	4615#	18/02/2019
50631825.f1c	1825#	19/02/2019
74016531.txt	6531#	21/02/2019
76652855.txt	2855#	18/02/2019
87752407.txt	2407#	18/02/2019



**Sort by Date**

Date (DDMMYYYY):	File name or repeat:	Numbers:
18/02/2019	87752407.txt	2407#
18/02/2019	50504615.f1c	4615#
18/02/2019	04445510.txt	5510#
18/02/2019	22748388.txt	8388#
18/02/2019	76652855.txt	2855#
18/02/2019	47352303.txt	2303#
19/02/2019	50631825.f1c	1825#
21/02/2019	74016531.txt	6531#

**Sort by number group**

# group:	file name:	Date:
1825#	50631825.f1c	19/02/2019
2303#	47352303.txt	18/02/2019
2407#	87752407.txt	18/02/2019
2855#	76652855.txt	18/02/2019
4615#	50504615.f1c	18/02/2019
5510#	04445510.txt	18/02/2019
6531#	74016531.txt	21/02/2019
8388#	22748388.txt	18/02/2019

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

F01 – FSK 200/500

**8156/6844/4527 kHz, 06-02, 1940/1950/2000 UTC**

Russian diplo/intel. Null message. )576 100000+++++++

F06 – FSK 200/1000

Link 00052

**20868/18691/16253 kHz, 14-02, 0900/0910/0920 UTC**

11166 00052 45896 09036 02669  
 13239 57119 42877 34313 24956 15804 66415 52761 46338 07286  
 01303 09691 63214 37965 26242 65355 32847 81625 03082 65513  
 48011 21538 71326 73115 91661 37652 78209 31038 73970 21739  
 01320 03841 64505 54951 37085 47687 23657 94243 76643 76380  
 06948 72231 40239 65447 61938 81663 54049 33325 30941 01894  
 30764 30905 70005 14054 24084 04300 06629 78099 05037 45317  
 61798 96906 01229 68200 30876 84195 44990 30845 50221 61101  
 97206 73635 62102 69712 89684 61391 06679 50942 81879 78460  
 56357 99127 26429 59055 68463 38268 44812 74352 61274 68059  
 94705 59855 23926 01049 58231 56280 43159 01743 76800 84567  
 74666 24642 59087 44620 67265 91418 82283 74976 69208 67886  
 66798 39442 16071 17858 18245 96079 86841 91826 59717 77621  
 98395 49929 75348 67334 80221 53745 96964 65814 47460 57478  
 83343 68045 30324 33728 41873 18361 93494 07087 92091 31848  
 62903 56394 79314 67635 34303 01106 02389 80295 16638 73967  
 81137 60926 80628 59062 44251 02124 92751 00594 20741 64000  
 20487 11019 80482 33218 33650 23513 04976 61091 30112 79142  
 30164 98582 48152 29906 05556 56851 85347 90521 59543 01180  
 66391 18697 73002 62104 91911 52566 17945 65948 18210 83750  
 06590 62290 45224 22262 07724 58013 28591 16214 68522 74314  
 16949 51718 65555 77524 84664 31656 55408 26845 34841 23554  
 46046 87861 70303 82455 88625 22943 59010 09132 82803 06958  
 99627 85987 50238 33226 79067 12945 23358 04015 32647 43245  
 05223 87181 71609 69676 16141 14137 27100 31699 66906 03546  
 13631 61193 83863 79918 61174 46166 66624 97303 29306 65541  
 74377 01316 78897 03521 54540 78596 29378 24479 69860 62080  
 61975 33329 44614 38438 36264 00000

**20868/18691/16253 kHz, 27-02/28-02, 0900/0910/0920 UTC**

11166 00052 24381 26037 01669  
13010 36136 43876 22078 24737 94821 67414 40426 46119 86203  
02302 97356 85004 32559 55813 36951 12024 33758 91166 16305  
33222 94797 41514 11279 80788 60042 61074 22323 07463 24934  
92943 80414 05082 57514 43817 15246 79084 28842 58057 60993  
91658 88681 47081 40697 86469 56068 10435 46876 69219 72365  
48759 02245 09064 85746 35107 82633 54035 23113 17669 75399  
39873 63417 88422 68977 07969 82029 17278 61488 78296 27165  
50601 07319 41898 49478 02366 94826 26528 06819 12993 36119  
35144 71650 46433 67101 01443 40730 45357 57193 15628 74719  
43711 45117 94224 75762 22479 06598 30599 21081 46170 18573  
37219 11705 01873 86014 79572 49332 02318 40015 97591 19886  
97134 17109 21251 39182 02573 51981 13786 36788 02780 32498  
65212 20599 79811 91937 52764 28460 51529 95476 29040 19878  
53781 05716 56327 30943 50605 20822 45059 76604 46462 22531  
31592 63120 97162 21878 81001 40497 78420 44082 08761 32931  
90222 20018 63838 07201 56322 57812 34250 12939 78811 97077  
20219 81283 03032 10085 37164 00000

Link 10031

**20739/17539/15644 kHz, 27-02, 1015/1025/1035 UTC**

11166 10031 52369 27001 00049 00000 00000 00000 00000

Link 10053

**13464/11548/9323 kHz, 03-02, 1530/1540/1550 UTC**

11166 10053 13579 03001 00049 00000 00000 0000 00000

**13374/11165/9219 kHz, 05-02, 1650/1700/1710 UTC**

11166 10053 17935 05001 00049 00000 00000 00000 00000

**13464/11548/9323 kHz, 10-02, 1530/1540/1550 UTC**

11166 10053 79513 10012 00049 00000 00000 00000 00000

**13374/11165/9219 kHz, 12-02, 1650/1700/1710 UTC**

10053 17935 05001 00049 00000 00000 00000 00000

**13464/11548/9323 kHz, 17-02, 1530/1540/1550 UTC**

11166 10053 17935 17001 00049 00000 00000 00000 00000

**13374/11165/9219 kHz, 19-02, 1650/1700/1710 UTC**

11166 10053 13579 19001 00049 00000 00000 00000 00000

**13464/11548/9323 kHz, 24-02, 1530/1540/1550 UTC**

11166 10053 13579 24065 00049 00000 00000 00000 00000

**13374/11165/9219 kHz, 26-02, 1650/1700/1710 UTC**

11166 10053 78963 26001 00049 00000 00000 00000 00000

**20070/18291/16071 kHz, 06-02/07-02, 0600/0610/0620 kHz**

11166 40122 76329 02016 03779  
73808 36518 23299 75731 17363 82072 09410 95141 44536 97747  
32827 67403 31638 11748 42845 55379 49900 39779 90725 54015  
42277 12801 87202 71648 98782 97457 23380 28229 16297 38868  
03439 12603 53784 80467 62599 66085 18864 40590 68776 84473  
46653 50473 31362 55716 56851 83381 65573 75408 99962 29524  
85806 07308 28640 96461 26434 81057 55043 39696 13474 44305  
80179 53118 35583 11405 06158 73999 87799 75880 67284 82238  
86478 78860 40940 98517 78856 50640 24195 11082 95680 67592  
87065 85812 20347 91584 38382 39297 72969 84112 65185 79567  
32843 12323 31597 44203 47709 89117 48104 90490 03283 14531  
47182 17310 51468 10565 26212 23461 20708 66663 43619 32091  
56887 38020 79164 35928 68258 63913 94340 43005 72792 98235  
53806 27556 71416 69427 93780 15775 95565 11988 48360 61129  
02493 36759 69677 88907 16761 32164 02848 14695 41376 13588  
01635 66465 86972 63098 95777 64965 92518 26675 45919 42094  
35949 61157 47066 01962 58185 48076 66521 54295 48965 16576  
27226 74917 67937 42602 72454 72945 99434 16545 72788 69424  
64383 96529 61314 17075 37780 89540 07987 15832 45166 27562  
69081 03888 36549 30922 72687 28894 61203 76041 26175 29039  
91782 09756 56565 78668 71187 77409 19758 78152 80628 56907  
39536 92666 52317 15915 62295 69598 75215 34378 38437 89248  
67300 59579 66354 28519 12764 85887 59954 42277 87589 76406  
25658 92092 21954 68711 59803 77009 72873 31842 02397 46068  
05547 66767 08159 97249 06825 67483 20777 92532 79247 84950  
61334 43749 89086 61045 66826 48934 66825 24722 39714 83847  
83520 67567 94451 78357 51479 40939 11927 32379 22691 41874  
37741 51047 83452 79947 85282 03818 68615 42288 29519 37181  
43907 98912 02448 95675 29751 15591 26150 30893 65032 66408  
44375 03152 34239 63232 38598 05545 06420 44251 39487 65028  
59398 88792 69723 00255 87674 50588 79100 40825 17463 26693  
57845 37664 77286 04231 39108 19189 97580 52157 26541 72967  
37743 50240 07912 57552 64049 72421 40702 74180 26901 66769  
20597 53022 10814 99196 68840 33667 55603 53139 99364 44537  
72203 02376 51643 10912 01542 99182 00211 46258 89927 45001  
76773 06542 79377 35826 65857 12222 36319 99470 59930 67601  
67110 66928 84931 32237 93820 44997 32150 24077 88690 82363  
57391 59035 90733 46326 33360 56668 52891 52360 66211 66665  
93205 13691 12189 95812 48421 16375 00000

**20070/18291/16071 kHz, 13-02/14-02, 0600/ 0610/0620 UTC. Two messages**

11166 40122 53692 09017 02569  
24836 95245 67898 18569 55959 23078 84425 69573 60544 32399  
55887 15530 55340 40336 09796 78350 46662 37226 66655 79666  
13242 44639 48838 78978 65747 56704 05976 94333 18892 44427  
55277 97697 37084 27680 60241 02240 39550 44557 96173 83678  
75861 72776 75960 02914 07816 82827 34540 22108 58601 27536  
95494 31411 15180 97750 68212 28525 94839 98821 49054 18278  
11833 27576 24962 24410 05058 54463 02942 30759 12714 40564  
13867 94016 04859 44157 64038 95262 09823 96511 32927 22458  
95399 51617 40553 01070 90768 39520 32929 15045 60068 77966  
59009 85290 63576 22025 37570 97870 67417 56392 37489 99084  
87744 60063 19819 99646 80338 98043 15129 55113 11545 19805  
34534 14789 71499 69173 37854 56255 15580 35317 07334 47753  
45014 99546 00378 05567 62587 57594 79711 38623 64382 22080  
44439 97488 53496 34829 10403 69941 86662 43748 13301 90315  
89726 23936 33002 54802 02903 47723 62482 59897 41751 33323  
69831 06181 84821 26782 26761 34609 23893 96920 02057 87524  
37740 47949 43409 11554 75386 79448 96055 44586 59755 48397  
31687 54029 47677 12943 86032 18510 07176 62595 28587 70235  
97980 64530 12890 40168 66197 80705 80823 73237 89081 35449  
19340 05746 30837 38235 93076 22176 95395 91321 01278 33579  
87105 36931 32482 44729 15267 23682 15393 02239 03448 96931  
89377 40820 89529 42747 43040 69868 27411 40162 94290 67581  
26306 01439 10358 74767 88581 04986 91183 05565 32065 50660  
64630 17229 07764 92100 66943 06202 48929 25816 06908 22627  
12409 41687 37127 20517 98221 64589 80876 85748 58292 41810  
87951 09083 30279 55962 17254 00000

11166 40122 47625 09018 03129  
80501 20490 38738 46159 12343 54469 75391 27547 31659 21825  
10470 16625 56312 95629 03172 53503 82443 09490 61052 48588  
00237 80119 71656 34499 22280 92903 49094 92703 85468 55140  
18997 72035 12372 46647 90287 41305 43017 22415 87207 43176  
73014 46998 40030 41495 58975 65337 57909 79268 77144 39693  
32288 89476 46200 07373 44320 25897 50145 38959 74718 06144  
22242 01703 39499 84096 75905 57783 00030 93913 93524 52125  
20837 32813 09117 69438 73604 74813 45774 65203 10799 32616  
93833 00253 57364 09820 40701 33665 93917 10658 88279 53638  
29887 99437 18927 51048 90032 26883 95894 65360 62775 65544  
09166 57601 83786 21495 02648 90062 53270 14470 43652 17432  
10365 43660 20587 19040 13123 81332 79823 26904 97487 61472  
37645 29264 13710 55630 28247 54288 63652 53165 73695 63652  
87398 88071 86803 10658 72627 79569 42855 42597 85167 78662  
81110 52040 44192 37827 22040 06735 90471 46044 11209 12811  
21132 96347 25770 90968 89358 78077 04487 70346 92474 11027  
87224 29748 96838 63678 74863 40922 72990 22700 45545 93584  
39500 05906 88216 06857 38929 35857 39391 56830 94376 16296  
34065 74916 20013 78601 06744 96700 84065 90448 03492 65958  
47678 43864 90962 23546 28092 64863 73332 35832 59571 11860  
53089 42376 50531 55026 96598 27526 60286 53803 90400 45633  
43870 74742 99159 54568 38357 16864 61216 37218 89127 36726  
82673 15673 39506 90384 15951 87758 32223 34437 33762 40639  
96127 53335 34420 21138 16590 05160 39447 67500 13036 03029  
69394 32263 72044 74348 08827 50922 09455 65078 96404 36094  
59904 81204 01003 01849 17261 84610 69796 47912 74355 85520  
59264 58407 35478 98726 85034 94847 00066 55759 51516 88047  
41013 90212 47257 58649 26056 38393 16958 20949 55654 22499  
46084 49711 15818 08491 19014 14662 69310 55874 36664 12343  
33676 01551 04514 50013 19506 44944 26989 61296 27411 26587  
69120 58247 27117 17343 71438 49537 67123 60469 29011 79431  
18310 00000

**20070/18291/16071 kHz, 20-02, 0600/0610/0620 kHz**

11166 40122 12895 20092 00049 00000 00000 00000 00000

**18291/16071 kHz, 27-02/28-02, 0610/0620 kHz**

11166 40122 89652 23019 04179

56123 20739 56448 45828 10318 62719 09593 68687 14888 59882  
81699 34418 38179 92785 44774 24120 66038 67405 87361 48849  
70417 01872 66978 05541 57752 12130 57179 06085 83069 26219  
37687 21726 40753 81848 01027 09987 67902 86962 74101 16298  
21239 47981 78148 67522 13466 95405 75508 99560 20061 61470  
76652 86227 92396 89541 05899 61584 38158 79929 49254 52916  
54976 01828 32833 66542 28229 26042 05267 93641 28932 58210  
22562 28295 72669 77206 58840 14908 25495 08394 91386 67229  
67746 86441 33460 26130 51701 87369 13286 48343 14029 34529  
22686 43346 28951 08186 83772 00578 13073 13415 07144 74175  
17808 85972 40020 17411 70341 40856 27767 84034 49058 93213  
37223 38687 04393 06319 15292 43593 61014 46272 81217 13704  
62306 48131 75996 57486 43067 23161 17349 45550 41363 61875  
33696 74279 85493 12572 75585 16691 16975 40040 27982 77672  
35511 94139 71890 95805 76863 42918 68716 58964 59579 49976  
65834 25867 61493 00754 46772 70767 11960 07435 74466 93485  
10746 47144 01027 61959 09516 13141 42429 79491 16856 83683  
41604 93904 12770 38259 68325 90769 83585 75864 29367 37907  
13207 15022 87338 73346 91655 80226 11659 53926 26830 04501  
10095 06728 70427 02753 14297 50533 93965 95626 17785 79482  
75831 88520 89810 26128 85315 35472 13530 46077 74544 42597  
21939 91395 14266 90763 29995 64968 34421 82190 86369 73016  
55437 40664 93264 17930 21177 20048 67733 98631 69492 00790  
42949 10645 01311 79100 32843 63051 34190 78490 08563 54539  
51291 38368 60188 75714 81690 59366 42132 29870 72982 10102  
25676 89402 42106 25044 07068 30057 15325 48185 44625 10197  
93312 02202 23282 87273 02267 87783 70006 88694 17000 42840  
68551 79277 66939 16241 46935 92464 60975 35807 36139 17502  
92091 75226 23414 59761 07722 49572 48662 16390 56766 94136  
17324 34485 49202 06246 28202 43975 89232 54744 39668 82391  
67910 86857 22681 53727 26163 87091 74063 88556 24179 67878  
88469 97628 78064 96643 12481 36083 49734 88991 29264 20518  
00958 22685 47242 66063 47500 52119 91195 35670 74307 27967  
19256 18789 97652 51693 14201 81634 85201 19610 22516 56216  
69922 36182 39638 60324 18780 01247 64837 65670 42155 00859  
74156 56346 54917 56424 84855 44812 25110 11831 09809 37589  
71149 63251 25262 67844 93518 61309 00425 37062 51853 40297  
62300 32978 23388 54133 94222 15978 03680 23740 91507 91137  
35556 25542 22680 08090 77227 75762 69704 55924 45494 90203  
45649 45277 94981 24208 13241 94829 19364 22481 52725 64380  
85482 33467 52487 01693 36322 67960 20863 95290 23765 06640  
42575 50411 57074 86223 28242 19415 00000

Link 40133

**22878/20216/19253 kHz, 02-02, 1500/1510/1520 UTC**

11166 40133 78963 02001 00049 00000 00000 00000 00000

**22878/20216/19253 kHz, 09-02, 1500/1510/1520 UTC**

11166 40133 17935 09001 00049 00000 00000 00000 00000

**22878/20216/19253 kHz, 16-02, 1500/1510/1520 UTC**

11166 40133 97531 16038 00049 00000 00000 00000 00000

**22878/20216/19253 kHz, 23-02, 1500/1510/1520 UTC**  
11166 40133 35798 23001 00049 00000 00000 00000 00000

Link 50046

**17434/15625/13496 kHz, 02-02/03-02, 1100/1120/1120 UTC**  
11166 50046 47381 01070 00829  
41659 55292 12773 10366 33694 90897 65049 89267 81280 52761  
28693 09639 13233 27905 22653 34371 13061 23460 54077 96214  
93304 39903 65608 13576 79871 51307 27989 28130 17279 27330  
03842 56564 64699 83991 83038 21944 72742 42903 79744 03209  
73935 17103 59657 97899 66293 33604 15406 24292 82566 23850  
89360 48341 56603 58695 92097 89132 82186 00979 91670 09981  
34535 54585 54289 32993 80079 36814 32702 25615 69928 46889  
43169 83934 44581 63342 94847 90944 67871 16111 01827 38698  
70080 00000

**17434/15625/13496 kHz, 16-02, 1100/1120/1120 UTC**  
11166 50046 74185 16001 00049 00000 00000 00000 00000

Link 60070

**7652 kHz, 12-02, 0040 UTC**  
11166 60070 96325 12001 00049 00000 00000 00000 00000

**7652/5743 kHz, 19-02, 0040/0050 UTC**  
11166 60070 78963 19001 00049 00000 00000 00000 00000

**7652/5743 kHz, 26-02, 0040/0050 UTC**  
11166 60070 14279 25076 00049 00000 00000 00000 00000

Link 70048

**18923/17414/14949 kHz, 06-02, 0800/0810/0820 UTC**  
11166 70048 90623 06059 00049 00000 00000 00000 00000

**18923/17414/14949 kHz, 13-02, 0800/0810/0820 UTC**  
11166 70048 90623 13057 00049 00000 00000 00000 00000

**18923/17414/14949 kHz, 20-02, 0800/0810/0820 UTC**  
11166 70048 13794 20001 00049 00000 00000 00000 00000

**18923/17414/14949 kHz, 27-02, 0800/0810/0820 UTC**  
11166 70048 61293 27084 00049 00000 00000 00000 00000

Link 70059

**6866/5326/4616 kHz, 18-02, 0500/0510/0520 UTC**  
11166 70059 17935 18001 00049 00000 00000 00000 00000

Link 80214

**14983/12196/9917 kHz, 07-02, 1310/1330/1350 UTC**  
11166 80214 12397 07001 00049 00000 00000 00000 00000

**14983/12196/9917 kHz, 14-02, 1310/1330/1350 UTC**  
11166 80214 15963 14023 00049 00000 00000 00000 00000

**14983/12196/9917 kHz, 21-02, 1310/1330/1350 UTC**  
11166 80214 15963 21057 00049 00000 00000 00000 00000

**14983/12196/9917 kHz, 28-02, 1310/1330/1350 UTC**  
11166 80214 15796 28001 00049 00000 00000 00000 00000

X06 - Mazielka

Code	Freq	Date	UTC	Day	
X06	12194	5-2	1024	Tue	MFA Moscow clg 154263: Russian embassy Rome
X06	13510	12-2	1020	Tue	MFA Moscow clg 612534: Russian embassy, Ashgabat
X06	13420	26-2	0802	Tue	Sequence: 534216
X06b	16338	10-2	1412	Sun	Sequence: 111666
X06b	16338	10-2	1413	Sun	Sequence: 111666
X06b	18667	15-2	1300	Fri	Sequence: 111666 before XPA2
X06b	18667	15-2	1303	Fri	Sequence: 111666 before XPA2
X06b	18667	16-2	1311	Sat	Sequence: 111666 before XPA2
X06b	18667	16-2	1316	Sat	Sequence: 111666 before XPA2
X06b	18667	16-2	1321	Sat	Sequence: 111666 before XPA2
X06b	18667	22-2	1315	Fri	Sequence: 111666 before XPA2
X06b	18667	22-2	1318	Fri	Sequence: 111666 before XPA2

## XPA

**13397/14413/15972 kHz, 12-02/14-02/21-02, 0810/0830/0850 UTC**

143 143 143 1 143 143 143 1 143 143 143 1  
00435 00200 02987 86080 01213 56543 93700 83392 32868 03215  
75313 24528 21051 43633 63852 12930 05757 49921 75356 63871  
22917 48514 65340 94599 07676 46781 51755 02119 14272 08850  
21310 83535 44930 24041 25552 11985 71523 36686 37795 11255  
98301 09936 05740 89301 02677 04167 31719 06006 10811 10629  
99059 12437 44175 13701 32808 62277 81325 82057 54528 39150  
16273 58769 10060 24832 77745 94760 58370 49268 39662 04506  
04674 35137 15267 89249 59309 30831 13294 69512 89992 94909  
01245 58214 25763 80087 69627 54332 63049 74819 05415 41350  
83202 98138 74631 75792 61438 34580 36582 71717 48960 84311  
92524 13479 40591 36799 64704 06979 37971 17060 83144 78716  
45446 62205 13989 39142 97711 59922 14909 82692 63393 00366  
21838 46326 02696 26448 59308 30428 77226 03023 46580 89306  
58701 82296 49459 71268 00379 33421 55285 86910 45080 15219  
04269 45931 85072 40562 98244 47763 28056 19752 58092 91858  
48471 90690 49925 09996 65292 89388 69621 73162 25713 99017  
09776 53410 84650 73286 23305 79094 52084 34535 47026 85686  
73481 76227 46268 72099 25847 58355 46868 30920 05934 23491  
07892 49781 93601 75747 94390 27690 43974 06379 98780 55353  
13880 30435 86307 96951 75962 91010 74116 33844 40451 57156  
75237 84894 43371

**13397/14413/15972 kHz, 26-02, 0810/0830/0850 UTC**

143 143 143 000  
08432 00001 00000 34263

**13397/14413/15972 kHz, 26-02, 0810/0830/0850 UTC**

143 143 143 000  
05870 00001 00000 35264

**4638 kHz, 28-02, 1620 UTC. Unexpected transmission. Probably a test.**

687 687 687 1 687 687 687 1 687 687 687 1  
00946 00071 99020 18386 70729 98550 29422 81140 28307 57153  
99746 28242 44452 04801 96873 87643 16010 21969 09715 73777  
09134 20917 51700 84349 95201 09726 49973 25678 21883 91707  
30378 57023 22742 61068 27657 76372 92643 46187 55436 03367  
70025 54700 93394 06318 90292 73297 32795 91397 09177 12596  
30278 78107 11736 76345 82437 09410 58333 30918 00316 91700  
58047 05897 74992 38403 76254 79378 91304 67852 81930 61382  
16773 95500 11018 13545

## **XPA2**

**18667/17419/16212 kHz, 01-02/02-02, 1400/1420/1440 UTC**

04787 00088 20825 40837 05119 86436 03339 44731 14722 15443  
14321 70937 06288 82813 31876 69517 88888 99776 46226 46333  
95192 27713 20365 57036 22765 25663 59332 44147 95493 07971  
60070 17111 00733 40907 63220 94518 19147 43391 19198 06252  
21688 81480 85581 52008 71173 95211 30092 15575 72223 22767  
60010 83096 69154 27688 50849 95918 37718 44676 58885 68672  
20444 91419 48548 53082 46222 84322 29903 06404 95215 80067  
55601 73301 64429 30660 33818 31807 32173 17735 34631 43056  
55955 27711 52175 65954 18807 37509 19631 39677 37394 06051  
04433

**16338/14538/13538 kHz, 03-02, 1500/1520/1540 UTC**

03325 00076 01567 61217 86401 81021 26058 14656 79105 10487  
14423 35522 93425 07106 85212 21901 88202 88756 14864 93845  
84986 44457 67460 42775 20160 54942 61961 68477 34128 55841  
00099 94532 99375 16422 24083 87847 69970 32344 78547 39789  
46473 57952 90996 00711 87395 19697 11277 02299 91447 14467  
16137 29177 18900 89833 27818 16066 79692 45180 16540 14426  
99655 69618 87594 10414 89634 13494 94202 49857 33324 84716  
08852 94350 00777 08014 14624 37359 55844 75243 20062

**12137/13937/14737 kHz, 04-02/06-02, 0800/0820/0840 UTC**

01837 00150 81106 01395 10379 92480 72967 36617 53604 56780  
76516 30585 25074 63687 02040 36736 76919 48359 93676 12521  
09605 10101 73755 93724 92895 04941 98648 43726 29329 35107  
49680 33859 08386 01008 07621 25328 47236 79588 72143 06496  
86517 64707 93880 41492 87754 50758 72264 92490 27334 64820  
79362 13768 63338 67180 81876 59703 91709 03987 08694 22751  
31464 29018 74194 11787 90731 31046 50475 97721 01323 18120  
90666 39031 04817 48393 99165 64841 96993 78707 39531 44772  
70697 59029 04769 85057 40867 26835 17481 25566 53960 67712  
59745 90839 18537 48220 61829 36943 10513 83651 93240 92306  
16591 17584 64610 44279 56506 66379 15720 63369 80764 74840  
20061 91582 60343 25251 14866 97602 60068 15215 51135 54519  
26970 19160 09289 52023 36632 31592 41378 72913 79833 87179  
06497 33341 64959 17992 74432 82388 38035 22808 55496 83680  
80382 46036 75870 85887 88680 65372 53252 42200 70835 88678  
64763 73663 73107

**16338/14538/13538 kHz, 05-02, 1500/1520/1540 UTC**

06292 00001 00000 33267



**16102/14951/13991 kHz, 06-02, 0910/0930/0950 UTC**

01775 00176 27158 39520 33980 47058 00833 34330 68165 40338  
64125 10305 32146 03903 87747 88377 03014 81224 54071 18895  
69644 18403 12737 56954 99020 77589 35622 40748 33082 99113  
01089 46516 00263 76795 53179 53328 63622 07287 84842 77826  
84503 07742 55165 41634 49172 18529 32088 47752 31271 22031  
08647 75765 43506 99806 10496 27364 06649 16356 11859 11013  
67471 55473 99913 15261 53757 17525 60287 89829 17521 42782  
14283 66336 11878 83748 02860 85308 16014 06927 39804 53578  
09134 90779 63998 72590 04572 85974 92244 22811 95780 91040  
21171 26834 35659 20058 76902 83272 73352 84546 26412 24307  
07065 46626 12540 90668 40123 37333 20178 80933 54757 36825  
27408 76463 02405 42183 49909 80040 86300 55441 61096 33912  
54760 33636 38392 67057 82608 11908 76275 82708 80948 07219  
18452 99719 40591 10688 72016 04221 06127 59123 79292 65938  
88556 24264 46089 32420 89413 76882 85408 12653 61644 50710  
21514 10400 76441 19773 69344 03336 98365 59139 63657 33198  
24465 14052 05194 40403 74038 90934 78524 62179 36865 22158  
33424 78506 75417 89878 62746 16970 13825 47079 11237

**18667/17419/16212 kHz, 08-02/09-02, 1400/1420/1440 UTC**

00404 00064 08134 82391 62242 04362 82526 26880 55749 83085  
91387 17887 34561 42217 90230 39893 29731 62391 60425 52713  
53754 99167 55911 39321 95461 76166 70298 32687 60116 52060  
76804 31760 93324 03268 75129 93002 01137 57880 88972 86869  
97206 74769 66434 99418 05072 41026 79581 05154 62343 05050  
95896 31407 35491 08590 50362 94757 58652 04303 14910 99209  
28881 13883 58772 71687 79554 16863 06726

**16146/15846/14446 kHz, 09-02, 0910/0930/0950 UTC**

00372 00056 17869 51848 78440 12633 39445 20387 54451 41377  
00235 39953 99607 56534 53856 87876 05312 99910 13893 51887  
44811 06910 11884 57184 50271 37210 81647 57651 66842 70330  
74981 46173 07170 51616 37847 02753 96649 42053 81830 64559  
05594 15816 21528 24516 54571 42567 24673 55775 69248 46336  
09642 80197 24639 00250 39449 43302 98276 90280 37342

**16338/14538/13538 kHz, 10-02/12-02, 1500/1520/1540 UTC**

03377 00064 87346 08892 14757 85736 80402 90740 40040 22002  
96396 33695 93875 90184 93958 41978 95506 91119 10613 91610  
93678 33404 75394 63093 16879 49561 41350 34820 86269 53322  
00964 22454 81696 19951 43654 42087 30654 90560 61735 28103  
72978 90136 19742 63429 58953 84888 44276 49564 52692 12361  
39090 15981 12255 87149 57761 00980 13575 06555 24656 22251  
63418 04508 63452 03055 05620 93256 76717

**12137/13937/14737 kHz, 11-02/13-02/20-02, 0800/0820/0840 UTC**

00582 00180 89772 12584 18537 12032 27532 76121 41908 92603  
14931 62400 37562 73467 73613 39951 01269 17602 45663 87370  
41738 37606 50265 81198 13833 66273 34613 83685 34558 27255  
51093 94800 99240 21433 24362 17409 49473 36431 67076 59569  
00203 85697 26554 01799 97837 54065 04871 56990 60274 18197  
03753 41511 14400 90138 21699 85477 12990 50245 34402 40572  
19463 28219 42430 48977 35494 43672 86996 55515 48947 44091  
40036 81336 67940 67565 18939 34696 33006 68047 53507 14306  
78911 28447 68741 34454 35906 30151 65997 76385 32363 74647  
76058 42351 39130 14374 10834 70619 28270 69747 77339 42230  
43996 78216 62052 20745 15483 50276 53630 08661 40338 37492  
68984 12063 09578 96136 74600 08702 78090 78338 58757 51588  
47856 35330 24662 22469 53969 12823 71755 68310 76245 32792  
11043 24086 63700 22319 67049 48435 34780 62393 98888 25480  
69251 60816 82228 01895 47557 34572 17685 14701 13947 73215  
67405 40067 68931 67426 22981 20266 96526 23152 05542 47704  
48389 27433 48759 29104 95079 56716 61936 13235 77434 19993  
57836 67839 74327 76891 92795 21043 37063 85763 53649 41720  
28937 05501 27571

**16102/14951/13991 kHz, 11-02/13-02, 0910/0930/0950 UTC**

01775 00176 27158 39520 33980 47058 00833 34330 68165 40338  
64125 10305 32146 03903 87747 88377 03014 81224 54071 18895  
69644 18403 12737 56954 99020 77589 35622 40748 33082 99113  
01089 46516 00263 76795 53179 53328 63622 07287 84842 77826  
84503 07742 55165 41634 49172 18529 32088 47752 31271 22031  
08647 75765 43506 99806 10496 27364 06649 16356 11859 11013  
67471 55473 99913 15261 53757 17525 60287 89829 17521 42782  
14283 66336 11878 83748 02860 85308 16014 06927 39804 53578  
09134 90779 63998 72590 04572 85974 92244 22811 95780 91040  
21171 26834 35659 20058 76902 83272 73352 84546 26412 24307  
07065 46626 12540 90668 40123 37333 20178 80933 54757 36825  
27408 76463 02405 42183 49909 80040 86300 55441 61096 33912  
54760 33636 38392 67057 82608 11908 76275 82708 80948 07219  
18452 99719 40591 10688 72016 04221 06127 59123 79292 65938  
88556 24264 46089 32420 89413 76882 85408 12653 61644 50710  
21514 10400 76441 19773 69344 03336 98365 59139 63657 33198  
24465 14052 05194 40403 74038 90934 78524 62179 36865 22158  
33424 78506 75417 89878 62746 16970 13825 47079 11237

**11461/10261/9161 kHz, 11-02/16-02, 1600/1620/1640 UTC**

00414 00202 61543 01908 67288 97751 70982 38383 63258 42118  
44510 38506 00357 20857 25451 03049 76976 66166 60865 00196  
41041 00742 36784 39266 75401 67937 35605 91355 23362 94292  
32627 89107 19350 81444 31897 56443 30581 18228 40836 75802  
50287 71074 33598 47503 54128 18875 81254 83993 88719 53996  
26279 45941 92992 24245 59849 25070 55000 22342 63969 54026  
64576 12129 98199 16034 83775 27983 78311 05182 02426 47005  
33450 28434 02023 18070 72754 13425 40742 93243 66107 52129  
35215 04223 86903 98534 04489 66907 33795 46656 16826 05678  
33480 28777 05897 91493 78242 19086 11824 63038 99100 08961  
87768 76246 64205 17867 97828 71281 24698 22221 18977 90069  
14560 93222 51497 14172 60316 05310 42232 61112 22347 45032  
59294 75569 26885 37695 78347 34586 61123 48373 42053 54445  
44978 20905 67758 36789 41398 07119 73833 75370 23520 10212  
84966 91761 19576 63797 60863 30161 83035 93889 60204 29394  
15991 10243 66343 24711 60557 19450 76472 81459 04500 59803  
48192 88647 88369 50299 80270 62855 30309 53886 66182 00111  
96634 82029 42050 34529 39686 75573 67480 96186 33725 79764  
05643 37939 78329 76306 64800 12934 62519 31988 54676 51363  
45287 77799 75071 46965 71273 69162 75289 64250 78605 78626  
40063 40191 18425 03426 20271

**12173/10373/9373 kHz, 12-02/14-02, 1600/1620/1640 UTC**

03053 00215 81052 72124 18069 31310 16446 82592 84786 96901  
19261 01199 08537 47430 50115 83430 77571 81832 78992 49219  
14324 31473 97532 94664 62949 21243 72307 71849 19968 46793  
93082 47140 32912 23714 62294 43556 59239 96095 83251 47619  
90885 16249 39748 04007 14992 00083 48793 75936 23799 76117  
87910 47316 18015 05865 74324 39228 80689 76331 33227 14129  
52073 24015 95268 63400 43155 30744 27014 66109 94361 98943  
12615 01612 03643 05138 28073 13237 77819 33855 48294 02652  
45387 81208 52448 72615 12232 79700 53622 34262 10915 41152  
04895 27724 49737 18666 81071 60086 16263 88945 44777 53920  
15200 35467 08531 62301 86123 54000 03763 87556 24214 86206  
56546 19966 22199 20147 37441 76004 89991 07601 31973 61422  
64436 92843 25700 33135 81002 08316 33299 46064 89004 11843  
65529 62610 29342 60561 07296 14837 21964 78986 91787 72722  
56284 92622 02433 50180 04104 65052 44231 59363 78041 14051  
47809 16356 35403 64921 45740 82952 50289 13604 52061 20936  
06774 32490 64720 50366 81779 68562 31460 13976 02511 26109  
55047 46124 87446 72600 74836 13221 10078 11530 91426 37924  
60977 98508 26836 85106 38084 10298 79191 18898 75527 49942  
10385 72203 59369 48670 86485 22821 13257 37655 93605 90509  
87252 11792 75169 48805 70656 74372 05990 99933 46850 44559  
55761 08566 07753 88309 07486 52111 70000 77147

**16146/15846/14446 kHz, 14-02/16-02, 0910/0930/0950 UTC**

03531 00030 68594 57783 52492 29428 44359 72861 73602 43350  
25694 07040 05315 29079 42230 05745 36322 79417 11142 19001  
17628 09187 80440 00537 02690 65023 54718 09204 46982 52668  
84954 28082 72072

**18667/17419/16212 kHz, 15-02, 1400/1420/1440 UTC**

03762 00001 00000 35661

**18667/17419/16212 kHz, 08-02/09-02, 1400/1420/1440 UTC**

03680 00001 00000 34263

The third transmission stopped after 55 secs

**16338/14538/13538 kHz, 17-02/19-02, 1500/1520/1540 UTC**

04192 00062 74400 46799 20835 93604 69727 05953 97964 88923  
07335 77258 80468 93902 44422 22652 79543 97180 18918 16069  
61050 64073 27106 70865 20614 62654 02114 21371 98498 74172  
81871 18550 22912 62796 10029 33412 00238 26631 93412 15789  
35201 19958 65917 62311 72240 14733 90946 74589 45817 52171  
41552 27715 60762 26799 94230 47449 70766 38629 98835 39622  
00445 03057 37268 18494 13245

**12137/13937/14737 kHz, 18-02, 0800/0820/0840 UTC**

00582 00180 89772 12584 18537 12032 27532 76121 41908 92603  
14931 62400 37562 73467 73613 39951 01269 17602 45663 87370  
41738 37606 50265 81198 13833 66273 34613 83685 34558 27255  
51093 94800 99240 21433 24362 17409 49473 36431 67076 59569  
00203 85697 26554 01799 97837 54065 04871 56990 60274 18197  
03753 41511 14400 90138 21699 85477 12990 50245 34402 40572  
19463 28219 42430 48977 35494 43672 86996 55515 48947 44091  
40036 81336 67940 67565 18939 34696 33006 68047 53507 14306  
78911 28447 68741 34454 35906 30151 65997 76385 32363 74647  
76058 42351 39130 14374 10834 70619 28270 69747 77339 42230  
43996 78216 62052 20745 15483 50276 53630 08661 40338 37492  
68984 12063 09578 96136 74600 08702 78090 78338 58757 51588  
47856 35330 24662 22469 53969 12823 71755 68310 76245 32792  
11043 24086 63700 22319 67049 48435 34780 62393 98888 25480  
69251 60816 82228 01895 47557 34572 17685 14701 13947 73215  
67405 40067 68931 67426 22981 20266 96526 23152 05542 47704  
48389 27433 48759 29104 95079 56716 61936 13235 77434 19993  
57836 67839 74327 76891 92795 21043 37063 85763 53649 41720  
28937 05501 27571

**16102/14951/13991 kHz, 18-02, 0910/0930/0950 UTC**

02069 00001 00000 35660

**11461/10261/9161 kHz, 18-02, 1600/1620/1640 UTC**

02069 00001 00000 35660

**16102/14951/13991 kHz, 20-02, 0910/0930/0950 UTC**

06391 00001 00000 33270

**16146/15846/14446 kHz, 21-02, 0910/0930/0950 UTC**

03137 00001 00000 35256

**12173/10373/9373 kHz, 21-02, 1600/1620/1640 UTC**

04506 00001 00000 36654

**18667/17419/16212 kHz, 22-02, 1400/1420/1440 UTC**

08284 00001 00000 34270

**18667/17419/16212 kHz, 23-02, 1400/1420/1440 UTC**

01206 00001 00000 35251

**11461/10261/9161 kHz, 23-02, 1600/1620/1640 UTC**

01659 00001 00000 40656

**16338 kHz, 24-02, 1500 UTC** Stopped after 58 seconds

**14538/13538 kHz, 24-02, 1520/1540 UTC**

02381 00060 13081 20974 97480 45037 60860 26214 26903 98545  
92002 62306 72897 41127 67357 11756 95898 56866 74056 77268  
66313 18351 53814 75756 15091 57557 74289 72497 19942 42014  
71293 73953 23061 26101 65630 62703 55291 55503 93284 24233  
94352 66591 37230 62580 89983 22118 77231 12790 55562 06025  
07928 23697 47404 29754 89234 26697 46202 25140 33411 46134  
59250 18374 35326

**12137/13937/14737 kHz, 25-02, 0800/0820/0840 UTC**

03077 00001 00000 34662

**16102/14951/13991 kHz, 25-02/27-02, 0910/0930/0950 UTC**

01316 00033 66558 58323 03227 80388 38861 51180 36360 66803  
33018 33086 66183 53685 36888 03686 36838 70163 66636 02611  
37835 80367 83858 50680 63503 53880 53860 88856 65836 53037  
68855 37008 33232 65388 23411 08337 30605

**11461/10261/9161 kHz, 25-02, 1600/1620/1640 UTC**

01400 00001 00000 33251

**16338/14538/13538 kHz, 26-02, 1500/1520/1540 UTC**

02381 00060 13081 20974 97480 45037 60860 26214 26903 98545  
92002 62306 72897 41127 67357 11756 95898 56866 74056 77268  
66313 18351 53814 75756 15091 57557 74289 72497 19942 42014  
71293 73953 23061 26101 65630 62703 55291 55503 93284 24233  
94352 66591 37230 62580 89983 22118 77231 12790 55562 06025  
07928 23697 47404 29754 89234 26697 46202 25140 33411 46134  
59250 18374 35326

**12173/10373/9373 kHz, 26-02/28-02, 1600/1620/1640 UTC**

09934 00139 95277 13099 61242 69736 86861 00565 08751 96923  
71358 76052 58725 25315 26762 66932 65020 05399 68293 75276  
55638 40186 50533 96177 09224 92539 89549 67982 25503 99726  
94542 71919 06383 99435 92658 31482 86704 70219 94640 86961  
71638 09702 17765 68764 38971 05183 42851 78300 88013 94259  
24431 07631 23821 21306 10254 77164 58781 31025 73528 07811  
30574 21283 41803 37529 81406 89343 95511 82624 95841 96078  
36565 33070 26899 58237 87438 26157 89720 81185 16619 03892  
36313 76057 58829 55185 75923 37813 02425 52210 76799 37994  
67163 56834 41514 77108 27489 12619 93814 41812 62063 81469  
30844 76268 15694 01197 91912 97527 06069 63350 38295 23756  
75579 91991 59446 86387 68804 96191 31393 94766 94638 77599  
69242 98444 15592 49010 23352 27032 37287 90619 67195 77260  
10036 97860 28360 91316 89364 81303 73481 91449 63988 18366  
34889 60673

**12137/13937/14737 kHz, 27-02, 0800/0820/0840 UTC**

09814 00001 00000 37262

**16146/15846/14446 kHz, 28-02, 0910/0930/0950 UTC**

03268 00077 52871 42572 55693 88505 49028 65685 37277 51563  
05455 91910 32162 53111 65481 82363 19620 94063 72713 14407  
75214 89533 67834 51147 58427 89754 42402 67068 12107 54064  
75410 19326 74251 67473 38938 77783 17611 72835 44606 61880  
32477 21235 60784 19321 02752 23595 03049 06065 52603 64643  
52890 45744 96830 77602 90941 78291 09997 89100 33649 39299  
37174 98710 66632 96752 79650 33815 98054 85594 17487 64023  
36082 76743 71777 12749 25186 63647 83402 26300 86850 30212

***XM***

**4732 kHz, 27-02, 1900 UTC, LSB**

Feedback signal

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## ***DIPLOMATIC STATIONS***

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

Freq	Date	UTC	Day	Mode
16122	21-2	0901	Thu	DPRK-ARQ 600 LSB
13373	21-2	1024	Thu	DPRK-ARQ 600 LSB
14412	21-2	1026	Thu	DPRK-ARQ 600 LSB
6803	25-2	1829	Mon	DPRK-ARQ 600 LSB
13105	26-2	0705	Tue	DPRK-ARQ 600 LSB
14444	26-2	0709	Tue	DPRK-ARQ 600 LSB
12955	26-2	0710	Tue	DPRK-ARQ 600 LSB
12488	26-2	0712	Tue	DPRK-ARQ 600 LSB
12588	26-2	0713	Tue	DPRK-ARQ 600 LSB

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

Freq	Date	UTC	Day	Mode	Details
9047.7	29-1	2044	Tue	CODAN Chirp	99910: MFA Cairo clg 66601
16224.7	15-2	1443	Fri	SITOR-A 100/170	MFA Cairo clg KKXE: Egyptian embassy Luanda
16224.7	15-2	1445	Fri	CODAN chirp	99903: MFA Cairo traffic to 33313: Egyptian embassy Luanda

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

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

**3886 kHz, 04-02, 1512 UTC, i.p.**  
VVV 6TX (x3) DE 1AR (x3) QRU  
15625 26 SK SK T T

### ***Ukrainian-Russian Radio War***

**7050 and 7055 kHz, 26-28 February, various times.**

This is going on since February 2014. Stations sometimes identify themselves as UA1CC (Center Center), Ukraina Karpatia, Commander, Captain, etc. and sometimes a station from Belarus joins in with Ja radiostancja Republiki Bielarusi (here Radio station Republic Belarus). The operators are most likely not radio amateurs. The transmissions are probably staged by members of propaganda services or the military using military equipment. The transmissions from both sides mainly consist of audio tracks recorded from the local Russian and Ukrainian radio and TV shows, and insults, angry reciprocal rhetoric, swear words, and music. The transmissions go on for many hours, often even all day long (ca 0500 till ca 1700 UTC). Most of the time on 7050 and/or 7055 kHz LSB and sometimes on 3731 or 3735 kHz LSB.

I have uploaded several compilations to the N&O website: <http://www.numbersoddities.nl/various.html>

### ***Unid stations***

3802.6 kHz, 04-02, 1715 UTC, CW	Beacon N every ca 7 secs
3802.6 kHz, 04-02, 1754 UTC, CW	Beacon N every ca 7 secs Radar interference
3802.6 kHz, 05-02, 1444 UTC, CW	Beacon N every ca 7 secs Radar interference
3802.6 kHz, 05-02, 1526 UTC, CW	Beacon N every ca 7 secs Radar interference

**4132 kHz, 04-02, 1318 UTC, CW**

DE AIC (x3) II II

DE EZL (x3) II II

DE X4F (x3) II II

DE 4NS (x3)II II

DE NEJ (x3)II II

DE .EB (x3)II II

DE BFH (x3) II II

DE XPZ (x3) II II

II II 3XP (x3) II II

DE NYE (x3)II II

DE YRR 333 333 KJK KJK FI 333 KJK AR QSA ? K

## US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

Date	UTC	Callsign	Details
01-02	0340	Outsmart	30 chr EAM R7VRPB XJBGE66XVSZ75X6CIURZLQKA
01-02	1328	Outsmart	30 chr EAM R7Y53X 5ODNQFGGIGHWAGRILRZRLVXW
01-02	1330	Outsmart	30 chr EAM R7Y53X 5ODNQFGGIGHWAGRILRZRLVXW
01-02	1349	Outsmart	30 chr EAM R7SKPF 4EQ4HDIBP7B25B53SZ5T2ELA
01-02	1352	Outsmart	30 chr EAM R7LIFR LURHL4W4RKRC52MSUU7NZH6W
01-02	1400	Outsmart	30 chr EAM R7LIFR LURHL4W4RKRC52MSUU7NZH6W
01-02	1402	Outsmart	30 chr EAM R7SKPF 4EQ4HDIBP7B25B53SZ5T2ELA
01-02	1404	Outsmart	30 chr EAM R7Y53X 5ODNQFGGIGHWAGRILRZRLVXW
01-02	1434	Outsmart	30 chr EAM R7GQTD I6X23NFHEF2D4UGGMSQOPFWU
01-02	1436	Outsmart	30 chr EAM R75LDI 7NTGZEX7HEXF3YGRCLTIP63F
01-02	1438	Outsmart	30 chr EAM R7LIFR LURHL4W4RKRC52MSUU7NZH6W
01-02	1440	Outsmart	30 chr EAM R7SKPF 4EQ4HDIBP7B25B53SZ5T2ELA
01-02	1442	Outsmart	30 chr EAM R7Y53X 5ODNQFGGIGHWAGRILRZRLVXW
01-02	1504	Outsmart	30 chr EAM R7Q5AJ 7QA7AAJ4BJGYPF5OKB74HCVK
01-02	1542	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1547	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1601	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1604	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1630	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1633	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1707	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1710	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1730	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1733	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1754	Outsmart	30 chr EAM R7OYSI HSMQHPWKG2MYD6USG2IHXPEN
01-02	1758	Outsmart	30 chr EAM R7YWK2 H7ZALHKXV5RML5WA6E7PEKBC
01-02	1800	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1803	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1830	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1835	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1845	Outsmart	30 chr EAM R7ZGTB B7P2XKAQ6EDT5QN3PEZ6XTMR
01-02	1856	Outsmart	30 chr EAM R7QVBL TWHYPYZJVRT2ID33HZ7KTD7UP
01-02	1859	Outsmart	30 chr EAM R7P57Q L3YAZNDSOHEWXLVR4ZVKSQN
01-02	1902	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1907	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	1929	Outsmart	54 chr EAM 4PRAAB Q3HA36KKYPBFKXDB6DRJOSUSZ5RPJIEIUEUJ7Z7DKC6XL6IXO
01-02	1934	Outsmart	50 chr EAM 4PHHLG T3H6LZRQXWYVE2UX3EAJ3LALQZYXQQD4SSVRBSX7L4OJ
01-02	2136	Outsmart	67 chr EAM 4PLRGR S65VBQ7FQRCOPXISGIQD56Y2Z2DAPEN525LRRRRJLJXANPGHLDAREVLECLO3GGV4PLUOT3
01-02	2246	Outsmart	30 chr EAM R7PIH6 PZV7KHIRCWDAEJSKMTQOEDVI

02-02	0635	Absorbing	30 chr EAM R7QAIH PF35Z5HQ3BUOUY3PBNW4ZDOM
02-02	1337	Absorbing	30 chr EAM for Badu P5TW4I EELPQB7P3XOKRZKSGXOF7N3O
02-02	1410	Absorbing	30 chr EAM for Badu P5T66I LHAGTKJAHVEVOH2DKWINEIU5
02-02	1439	Absorbing	30 chr EAM R7AHIW KHNC6DHKD5B5CQ56BHRXF7TQ
02-02	1442	Absorbing	30 chr EAM R7II4P 7I2W6FRETCLMS6EZWIIQ24K7
02-02	1456	Absorbing	30 chr EAM R7QNCA Z5NYY42GGC5HR4EFBCZ6IWGK
02-02	1459	Absorbing	30 chr EAM R7AXKV G4TYXRZLCKNJIP4BQTOQ5PWA
02-02	1502	Absorbing	30 chr EAM R7AXKV G4TYXRZLCKNJIP4BQTOQ5PWA
02-02	1505	Absorbing	30 chr EAM R7QNCA Z5NYY42GGC5HR4EFBCZ6IWGK
02-02	1507	Absorbing	30 chr EAM R7II4P 7I2W6FRETCLMS6EZWIIQ24K7
02-02	1542	Absorbing	30 chr EAM for Badu P52ZRX L6HIZVRCELIOY6BNWCHXDUDP
02-02	1600	Absorbing	30 chr EAM R7AXKV G4TYXRZLCKNJIP4BQTOQ5PWA
02-02	1602	Absorbing	30 chr EAM R7QNCA Z5NYY42GGC5HR4EFBCZ6IWGK
02-02	1606	Absorbing	30 chr EAM for Badu P5KRGZ ZGHUCF7RBU2Z3OV2BGYWCSAN
02-02	1609	Absorbing	30 chr EAM R7II4P 7I2W6FRETCLMS6EZWIIQ24K7
02-02	1630	Absorbing	30 chr EAM R7AXKV G4TYXRZLCKNJIP4BQTOQ5PWA
02-02	1632	Absorbing	30 chr EAM R7QNCA Z5NYY42GGC5HR4EFBCZ6IWGK
02-02	1634	Absorbing	30 chr EAM R7II4P 7I2W6FRETCLMS6EZWIIQ24K7
02-02	1810	Absorbing	30 chr EAM for Badu P57J7K CEZP4HMHUD46BN6H23IOOFRA
02-02	1823	Absorbing	30 chr EAM for Badu P5QIOK TZ663B3FB3DLLCRV4XBP7K6P
02-02	1845	Absorbing	30 chr EAM for Badu P5KU4O MBGO3TB5ZMEWYINNWESBBDPK
02-02	1933	Absorbing	30 chr EAM R7IUZP 7T3ZXWK2SDXHGP5EJN4ZG2DX
02-02	2047	Absorbing	30 chr EAM for Badu P57SAF KDNBKBHE4K3JCYFLUGFO7BVQ
02-02	2102	Absorbing	30 chr EAM for Badu P5CJVJ ZCCVTYFFDA4RDXTB33RA74M7
03-02	0522	Classical	30 chr EAM R7F7T7 SGHRFMLJ2A4FVBSR5RN2XDHY
03-02	0538	Classical	30 chr EAM R7KSCD FEMUFJOH6ROQU3CB32DXZB7
03-02	0555	Classical	30 chr EAM R76QMO 7GUIRYOY7NIKPWRA7BDAW6N7
03-02	0558	Classical	30 chr EAM R73Z25 OYV3UGK3Q4FFK365HTU2WQK6
03-02	0600	Classical	30 chr EAM R73Z25 OYV3UGK3Q4FFK365HTU2WQK6
03-02	0602	Classical	30 chr EAM R76QMO 7GUIRYOY7NIKPWRA7BDAW6N7
03-02	0604	Classical	30 chr EAM R7KSCD FEMUFJOH6ROQU3CB32DXZB7
03-02	1444	Classical	30 chr EAM for Diba P5ZFQ2 A6WGECTRNUUGD5YHZQJSMDC
03-02	1528	Classical	30 chr EAM for Diba P5BB5F 42TVAWHJCZEKKGNL6YKATW4E
03-02	1823	Classical	30 chr EAM R7PFAW PNNA6KIDINZWLI7SHSK7JZDB
04-02	1333	Tail Spin	30 chr EAM for Bath P5Z4KT XPJGQFRDG753DFF2RS7QPM6U
04-02	1357	Tail Spin	30 chr EAM for Bath P5FOXB ZM4YNDDCU5HFU47LLBPQRW3A
04-02	1554	Tail Spin	30 chr EAM P5BTHJ LPF4FQ5WUCOOLAIKXBIKBTZF
04-02	1643	Tail Spin	63 chr EAM P5GGYT TC3HJDMGHLYP44UX24KZLGGF6NUMTOJRKWF6N3G3VN2WF6NU56ELG3
04-02	1647	Tail Spin	36 chr EAM P5RXMP QXSFHNY7ASNILSRPGEHX5UPFDRNPV
04-02	1712	Tail Spin	30 chr EAM R7ETDD JXWCGUBNC6C4OF3VO364RISG
04-02	1835	Tail Spin	36 chr EAM P573MC DL3INMMNP45TKBSLNF3EKOI6OWXH2P
04-02	1838	Tail Spin	52 chr EAM P5OUAB L73JP7H6BFXMTQASLQF5VWWJRP2JUPJVSOURKHQHPXEVA
04-02	1843	Tail Spin	30 chr EAM R74H6Q CNL37WDQPAFOR33QXOX6YRB6
04-02	1846	Tail Spin	30 chr EAM R7JTE4 OFBEAREO4KHHYDJWXM07FDXJ
05-02	0132	Reprimand	30 chr EAM R7KY5X 6V4C3IZIXSSSYMKGPNEVU3Z7
05-02	0627	Reprimand	30 chr EAM R7JLUQ 4BZ3D6NDGC3PYBBJB5XIBNTZ
05-02	0645	Reprimand	30 chr EAM R7QOSF E5DKDFZWHFYOXWEAXR2G5ISY
05-02	0659	Reprimand	30 chr EAM R7QOSF E5DKDFZWHFYOXWEAXR2G5ISY
05-02	0703	Reprimand	30 chr EAM R7OQYL HMTZ3GP7S5772CD5OVFKU3ZI
05-02	0706	Reprimand	30 chr EAM R76TDX LBAJHEE4YNHJCQ4C7NHRWUQS
13-02	0833	Bank Loan	46 chr EAM SGH6OG O70GAHLLJUW6H3MGERMMGERMMGEZ23OX3CE4HVN
13-02	0840	Bank Loan	36 chr EAM SGLJRH EBWBD25ZVPYTSYMV3H4UTGWJ7JOSIU
13-02	0907	Bank Loan	36 chr EAM SGLJRH EBWBD25ZVPYTSYMV3H4UTGWJ7JOSIU
13-02	0922	Bank Loan	36 chr EAM SGFKZP JDLDVJV3Q3Y73ZE4TBL7BPY6Y5NLN
13-02	0926	Bank Loan	36 chr EAM SGFKZP JDLDVJV3Q3Y73ZE4TBL7BPY6Y5NLN
13-02	0938	Bank Loan	36 chr EAM SGFKZP JDLDVJV3Q3Y73ZE4TBL7BPY6Y5NLN
13-02	1000	Bank Loan	36 chr EAM SGFKZP JDLDVJV3Q3Y73ZE4TBL7BPY6Y5NLN
13-02	1059	Bank Loan	30 chr EAM BV4QKN RNYBYN6LB7BJPMZBXCVPZU6
13-02	1130	Bank Loan	30 chr EAM BV4QKN RNYBYN6LB7BJPMZBXCVPZU6



13-02	1326	Bank Loan	30 chr EAM BV7XP7 CNZYL2O3LX7PKDFD2XUL4IVQ
13-02	1503	Bank Loan	30 chr EAM BVR7PY 5WIWKKRUGQMDBMFDBBPV6NF4
13-02	1617	Bank Loan	30 chr EAM BVKNIB 2B43XJRTOT7IJ7DVDL3VXKQA
13-02	1802	Bank Loan	30 chr EAM BVYZGU R5XECJPHRQUV4ILZ2NXJC4VE
13-02	1920	Bank Loan	30 chr EAM BVYJNU DPGQXB5F5BKQJRWINKT2C5XB
13-02	2025	Bank Loan	36 chr EAM SGW4MA NXPB4ICHNSSSI3FFZU3ZNSH6KQLHGF
13-02	2046	Bank Loan	30 chr EAM SGNGJT Z5GM3ZJ4NMUFKIXWJ5YPP4X
13-02	2130	Bank Loan	63 chr EAM SGHVER 3PMC2NK7QTHVJNNJDNVNJD6VDL7C5WWN6GVDUL3K36SOGVDUE7IDQTRL
14-02	0814	Red Apple	30 chr EAM BVXMOW LQOKIG2AYQDHJUFRFVYSI4LT
14-02	1417	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1500	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1530	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1535	Red Apple	30 chr EAM BVJPU3 2ZRTHVDUBVW3IFG7J7JHZ7S
14-02	1601	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1619	Red Apple	30 chr EAM BV35VU DGVBKANCLLH7VSW5WJRGU3HL
14-02	1631	Red Apple	30 chr EAM BV35VU DGVBKANCLLH7VSW5WJRGU3HL
14-02	1637	Red Apple	30 chr EAM BV35VU DGVBKANCLLH7VSW5WJRGU3HL
14-02	1639	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1652	Red Apple	30 chr EAM BVGFKR XV52YISV5BM2WHRKRARUJGXD
14-02	1700	Red Apple	30 chr EAM BVGFKR XV52YISV5BM2WHRKRARUJGXD
14-02	1703	Red Apple	30 chr EAM BV35VU DGVBKANCLLH7VSW5WJRGU3HL
14-02	1705	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1730	Red Apple	30 chr EAM BVGFKR XV52YISV5BM2WHRKRARUJGXD
14-02	1732	Red Apple	30 chr EAM BV35VU DGVBKANCLLH7VSW5WJRGU3HL
14-02	1734	Red Apple	50 chr EAM 4PJIZ5 WVSFJHPMQRHUS23IAA3AAQPFT4TSZUUXJJOBYJOCWWWW
14-02	1943	Red Apple	30 chr EAM BVLJIG TVUT65DHKAAC5BOC2I76JHBD
14-02	2107	Red Apple	30 chr EAM BVXRIR XTNKXJQOLIWWQKPE5DS4WEFA
15-02	0232	Nectarine	30 chr EAM BVUCDB BJSBDZBXY2CKAOIWHFYT3MQ
15-02	0301	Andrews	Skyking message: Outfield time 01 auth LQ
15-02	0726	Nectarine	30 chr EAM BVJOW5 GJ7NMA6RRGVVOZJGINK7OSLX
15-02	0740	Nectarine	30 chr EAM BV4RNC YRQRIRRN7DI4MVHNQLU4CVZG
15-02	0746	Nectarine	30 chr EAM BVMJSE 4R7CA4VEQ2UZSZVBH2QW26UX
15-02	0756	Nectarine	30 chr EAM BVR43S KFJOWRASQKIP5PTYNGFQJAZ
15-02	0803	Nectarine	30 chr EAM BVFVQB 5EE74UDVVI2IC2EP3MTHISX2
15-02	1013	Nectarine	30 chr EAM BV3GEX YHHHGQBY6ALL74EWQ7RCPYNM
15-02	1410	Nectarine	30 chr EAM BVBXGI MUDWG76ABZQN5XUQ4ZRL2JT7
15-02	1429	Nectarine	30 chr EAM BVBXGI MUDWG76ABZQN5XUQ4ZRL2JT7
15-02	1450	Nectarine	30 chr EAM BVLUDZ OPEWUKOZWLCYHEAZGKQNHJDS
15-02	1817	Nectarine	30 chr EAM BVJDSN ROSL7QNC4I4YVHUVFMF6XGHZ
15-02	2056	Nectarine	30 chr EAM BVHCGR LENYW4ADFQ6PDKGJM323NBQC
15-02	2222	Nectarine	30 chr EAM BVHSCH NVO4G2GR3HAUHYSNH6BHEODF
15-02	2340	Nectarine	30 chr EAM BVKHMV HQQKFHXDKUV22UDDOL2RL75K
15-02	2342	Nectarine	30 chr EAM BVZT4N AFTY6J67UF2KNFN47FUZWSTO
16-02	0047	Offhand	30 chr EAM BVFPGR 20OJVSGZUDK6AX3VFZX3YDOF
16-02	0730	Offhand	30 chr EAM FQDRLO QIGAGVHU3FOBHORUE3SWDR6C
16-02	0800	Offhand	30 chr EAM FQDRLO QIGAGVHU3FOBHORUE3SWDR6C
16-02	0826	Offhand	30 chr EAM FQGDHT JLSWQBDQI3J2QSXXFM7XSPHY
16-02	0830	Offhand	30 chr EAM FQSSNK XATAUGVORRRVZKJCE7JBZAI
16-02	0833	Offhand	30 chr EAM FQE6OV TGOYQIFCVIBQGMKTNNVDO3P7
16-02	0836	Offhand	30 chr EAM FQDRLO QIGAGVHU3FOBHORUT3SWDR6C
16-02	1354	Offhand	116 chr EAM 4PI4A6 RKP3L4CWNLZWPLLP3LTAVHA4DQNPEC3ODSBE05QGWX5X5YADCP2KA3333BQZLUDPTU2PHT 7V7VFUUUUUTEYFBJWCBDEZFZ7F7ZNNNN6EBC7CZX5
16-02	1401	Offhand	116 chr EAM 4PI4A6 RKP3L4CWNLZWPLLP3LTAVHA4DQNPEC3ODSBE05QGWX5X5YADCP2KA3333BQZLUDPTU2PHT 7V7VFUUUUUTEYFBJWCBDEZFZ7F7ZNNNN6EBC7CZX5
16-02	1430	Offhand	116 chr EAM 4PI4A6 RKP3L4CWNLZWPLLP3LTAVHA4DQNPEC3ODSBE05QGWX5X5YADCP2KA3333BQZLUDPTU2PHT 7V7VFUUUUUTEYFBJWCBDEZFZ7F7ZNNNN6EBC7CZX5

16-02	1619	Offhand	30 chr EAM FQXPPR 4B77Z36VZ3ALCUGN7EWBRCNF
16-02	1630	Offhand	30 chr EAM FQODYS FHBXTQKJDZ4H6FYQP7WQAFPS
16-02	1632	Offhand	30 chr EAM FQODYS FHBXTQKJDZ4H6FYQP7WQAFPS
16-02	1635	Offhand	30 chr EAM FQXPPR 4B77Z36VZ3ALCUGN7EWBRCNF
16-02	1637	Offhand	30 chr EAM FQYECYG 7SUCHL274OYSEH42TE5FSJ3
17-02	0745	Leverage	30 chr EAM FQXWB7 2V7THVTP4PXSZ2HDDEV2HPA3
17-02	1435	Leverage	30 chr EAM FQLWAA 2TRPGPGEOSFRXIGASXTDOBQS
17-02	1439	Leverage	30 chr EAM FQXBSL KMVZOZODKVPNFK2OGSXIP423
17-02	1446	Leverage	30 chr EAM FQNLWLH WYDL7FIGE355OQQCXB3D262S
17-02	1448	Leverage	30 chr EAM FQZDCF O27CX4WWJJYOERDQ3FE3TPAB
17-02	1456	Leverage	30 chr EAM FQJMRH CZYDLZ7CCORPV33XVS4BVUDR
17-02	1500	Leverage	30 chr EAM FQZDCF O27CX4WWJJYOERDQ3FE3TPAB
17-02	1504	Leverage	30 chr EAM FQLIV7 JZUCFIHZLCWUEM6OW4LSOHEI
17-02	1506	Leverage	30 chr EAM FQYZCO 7CZ5LTXXKFHMEF4VZ55BEOYS
17-02	1509	Leverage	30 chr EAM FQXBSL KMVZOZODKVPNFK2OGSXIP423
17-02	1748	Leverage	30 chr EAM for Arbol-97 SGWZ2J 6NSZVMXOC54IROTZV7WMJWLN
17-02	1816	Leverage	30 chr EAM FQJNAW 4UBIJ4XRO3P75PHWCZ5XQ7TN
17-02	1935	Leverage	30 chr EAM FQIH4H AL46XR7UOEIE7LQJSCWGD6F
18-02	0735	Act Wise	30 chr EAM FQ2Y34 QGCVDPF7CTFPIGWWCCEFUWGES
18-02	0739	Act Wise	30 chr EAM FQKNRE 7G2LAQTAVHYPNW357K2EIDGW
18-02	0742	Act Wise	30 chr EAM FQOSTZ HPLRMRSQUYAHA7XHYZHYPUS
18-02	0746	Act Wise	30 chr EAM FQYPU6 BTY63K3DVAHLHG33FAV6IQRP
18-02	0808	Act Wise	30 chr EAM FQ2O5G NJ6V7RRWIADGLIDKLE7BVSNA
18-02	0813	Act Wise	30 chr EAM FQDDK6 ABRY3GVGOMNJJNCHJIPLD6JN
18-02	0817	Act Wise	30 chr EAM FQDY3K FYDBF6ZMQ6C7GLLT3ROGQKHC
18-02	0857	Act Wise	72 chr EAM 4P7WVR WZAZIWW2YCAYSFVIBNKKJPJLYS5DGFIF6QRRRRYT7C4KDSY3IOVUHBXRECLUYBAIN
18-02	1706	Act Wise	47 chr EAM SGOTRX 2CZXLVYRYAQGFCPDFET5E56ZYSRKVIJO5ODDMY6E3
18-02	1908	Act Wise	30 chr EAM FQLE3O KC66ON2W6K6STM6DY45CBZE3
18-02	2243	Act Wise	30 chr EAM FQ7FO3 ONUCK7DKHNABDFIY4DDPJUV3
18-02	2253	Act Wise	30 chr EAM FQVCKT M3DWERTHC6JROMVXLFDTHVJU
18-02	2356	Act Wise	30 chr EAM FQVCKT M3DWERTHC6JROMVXLFDTHVJU
18-02	2304	Act Wise	30 chr EAM FQGRXB R22X2VLS4Q6GIPFXN3W74VFAQ
19-02	0046	Legalty	30 chr EAM FQKSHU 7Y4URKTEJGTGNI63UXGCH24V
19-02	2333	Legalty	30 chr EAM FQUAXU 4R2UJKNQSHLD2S6D5H7EM424
20-02	0202	Sheepland	30 chr EAM FQEY6U C3GG2OBLIT2KQLROCZLUTGJR
20-02	0220	Sheepland	30 chr EAM FQKW3B R32HISMURTF57QQOV7ZGDHT
20-02	0232	Sheepland	30 chr EAM FQW5XY XUSTWYPJ7HHJBBST2YPJKXR3
20-02	0311	Andrews	Skyking message: Waterboy time 11 auth FN
20-02	1927	Sheepland	30 chr EAM FQAPPB N4NQ2LGJYH5QLEI365Z3ELOQ
20-02	2049	Sheepland	30 chr EAM FQ4YYK ZGAHJW4C27CKE57KUYTU3JEK
20-02	2340	Sheepland	30 chr EAM FQOOC4 HV76U5CQRADV5VANRVALZHEI
20-02	2342	Sheepland	30 chr EAM FQCPMO HVZ5WBJRBMULME3NKK7TOJ6Y
20-02	2344	Sheepland	30 chr EAM FQFMLH MAAFTSORENUFZSBCDEFY6CHV
20-02	2349	Sheepland	30 chr EAM FQLBRZ KPYEGRWD56AEEQKBAGHYTVW
21-02	0000	Gum Drop	30 chr EAM FQLBRZ KPYEGRWD56AEEQKBAGHYTVW
21-02	0002	Gum Drop	30 chr EAM FQFMLH MAAFTSORENUFZSBCDEFY6CHV
21-02	0005	Gum Drop	30 chr EAM FQCPMO HVZ5WBJRBMULME3NKK7TOJ6Y
21-02	0008	Gum Drop	30 chr EAM FQAIXL L6ZPUVXAG7L4V7WBNVORVT6V
21-02	0011	Gum Drop	30 chr EAM FQ4F7R 2BVXFKCM44BI7VVFT3LVWNUJ
21-02	0025	Gum Drop	30 chr EAM FQJ5XN XVXIYXSXSD3HZY47I65IBN2K
21-02	2050	Gum Drop	52 chr EAM SGALCO 4XYCFEGBSWGJQPPXMTSPXD2MDJR62VOAWMODJGY25BFLYN
21-02	2054	Gum Drop	30 chr EAM FQ3S2G U5DIXZLVDXIMJQ5JLCFGNY3
21-02	2131	Gum Drop	30 chr EAM FQ3S2G U5DIXZLVDXIMJQ5JLCFGNY3
21-02	2155	Gum Drop	30 chr EAM FQYBDF ORTYWG27CI5FPADI5IMV3CXJ
21-02	2158	Gum Drop	30 chr EAM FQQHGR HO2I77GJY57PHZKD43CME4A3
21-02	2200	Gum Drop	30 chr EAM FQ3S2G U5DIXZLVDXIMJQ5JLCFGNY3
21-02	2212	Gum Drop	30 chr EAM SGXRIW 4PVMZOZCSCVBVDN4EICFQVFL
21-02	2230	Gum Drop	30 chr EAM FQ3S2G U5DIXZLVDXIMJQ5JLCFGNY3
21-02	2239	Gum Drop	30 chr EAM FQR4QY UI722KAXNE7HXEZAHDG5F7Q

21-02	2245	Gum Drop	30 chr EAM FQOBFK TNL6FF43UZUL74LVLUVQAFIW
22-02	0213	Dockyard	30 chr EAM FQ5O3Q F2GJ3A7YCKZLGUCKZ5XFGKCQ
22-02	0219	Dockyard	30 chr EAM FQ5TKU RD6SIF676PBFIG6YUXJEV2PS
22-02	1514	Dockyard	30 chr EAM FQGLWH JONH7SW7PU6ZXZ07DGKMOK4W
22-02	1522	Dockyard	30 chr EAM FQ3KOA BG5I5UX3PEWAANXQIALQICZJ
22-02	1526	Dockyard	30 chr EAM FQ56H6 BWFC5A6J633UGPJWLEZFQWS3
22-02	1529	Dockyard	30 chr EAM FQZFO6 Q3GPCAXUTQDUC6MPRYZH4WUV
22-02	1549	Dockyard	30 chr EAM FQBZSH 5VXAIVVVTXF4UWZQGG3CWQT
22-02	1601	Dockyard	30 chr EAM FQBZSH 5VXAIVVVTXF4UWZQGG3CWQT
22-02	1603	Dockyard	30 chr EAM FQ3KOA BG5I5UX3PEWAANXQIALQICZJ
22-02	1607	Dockyard	30 chr EAM FQGLWH JONH7SW7PU6ZXZ07DGKMOK4W
22-02	1607	Dockyard	28 chr EAM SGOC4Q TWX3KO3YAH32HBOP7UBPI
22-02	1619	Dockyard	30 chr EAM FQEPZ IAZAWSWTVVYQVC6TZQGRZ37B
22-02	1630	Dockyard	30 chr EAM FQEPZ IAZAWSWTVVYQVC6TZQGRZ37B
22-02	1632	Dockyard	30 chr EAM FQ3KOA BG5I5UX3PEWAANXQIALQICZJ
22-02	1635	Dockyard	30 chr EAM FQGLWH JONH7SW7PU6ZXZ07DGKMOK4W
22-02	1646	Dockyard	30 chr EAM FQ3XF2 YXZ4C42TCCVI5EZBVEJLBTZY
22-02	1700	Dockyard	30 chr EAM FQWARD HX4TENMBISAON3VOC45OWVNJ
22-02	1702	Dockyard	30 chr EAM FQEPZ IAZAWSWTVVYQVC6TZQGRZ37B
22-02	1704	Dockyard	30 chr EAM FQ3KOA BG5I5UX3PEWAANXQIALQICZJ
22-02	1706	Dockyard	30 chr EAM FQGLWH JONH7SW7PU6ZXZ07DGKMOK4W
22-02	1802	Dockyard	30 chr EAM FQC7MN Q6GLV5TETDXXGAQ7BXEVZXAT
22-02	1830	Dockyard	36 chr EAM SGIQOG WSKOZEYJAXIVM6BPVZSR23LZS7XPS
22-02	1834	Dockyard	36 chr EAM SGIQOG WSKOZEYJAXIVM6BPVZSR23LZS7XPS
22-02	2048	Dockyard	30 chr EAM FQUMMA OIY27WYUHZI2MAXGHOT2IKHX
23-02	1917	Butternut	30 chr EAM for Ditto-34? SGFJRE DFG43E34G2PIZ5SXJGHUCYY3
23-02	1948	Butternut	30 chr EAM FQJPLH IFG7FICYP474XXQUURJFOP4D
23-02	2132	Butternut	30 chr EAM FQYLKY YRS7KJR3KBITO5KXHQBVUSCN
24-02	0017	Fullback	30 chr EAM FQDQI6 QFWSFWPXS2QD7KJBXLTF5QK
24-02	0032	Fullback	30 chr EAM FQZVC6 IZCMAUGQGGNVCGOE5N4D6KJF
24-02	0038	Fullback	30 chr EAM FQSUC7 JYIW6VZQDTRB6WHG3KLWHA6G
24-02	0041	Fullback	30 chr EAM FQKAEX ICRJLF6LTD6X4ERKDYPXYH6S
24-02	0232	Fullback	30 chr EAM FQSF4N T3L25HBGEHG67VIZIRSK47TF
25-02	0218	Ashcake	30 chr EAM FQI6RN OVUVGPYZTH45ICCUJWSFG2UK
25-02	0416	Ashcake	30 chr EAM FQ8DS6 RGLK6OQO4DH3HBYNM4UCVE6N

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs provided by JPL, AnEur, JM, WP3, Gwr

### Strategic messages

6342 kHz, 06-02, 1306 UTC	WEGI 28615 49712 UKHTINSKIY 04914312 //7657 kHz
6342 kHz, 06-02, 0858 UTC	M7A2 56932 57067 BUKHOKHER 61951700 //7657 kHz
6922 kHz, 10-02, 1555 UTC	8S1Sh 65156 MASTOIDIT 5155 8725
6922 kHz, 10-02, 1557 UTC	8S1Shch 92018 87319 84042 KOLDOBINA 3410 0894 GEL' 2338 4034
5386 kHz, 15-02, 1032 UTC	XXX XXX 69BV 69BV 45968 DURASHNYJ 5519 5762 K
5430 kHz, 15-02, 1033 UTC	XXX XXX (missed callsign) 59832 MANXÉRYZM 7527 K
5386 kHz, 15-02, 1037 UTC	XXX XXX CSWY CSWY 03166 AULOKLIR 2438 4425 K
5386 kHz, 15-02, 1055 UTC	XXX XXX N1DX N1DX 62782 PROSTORNYJ 1983 7094 K
19046 kHz, 15-02, 0932 UTC	XXX XXX BNS1 BNS1 7UGL 7UGL 1QRF 1QRF 9TIC 9TIC 19014 _MOTOGLAZ 1589 4492 K
	//7678, 7854 kHz
19046 kHz, 15-02, 0934 UTC	XXX XXX MFT5 MFT5 79170 WUZOPLAÔ 1625 4099 RWAÔOTRUP 6564 3011 K
	//7678, 7854 kHz
19046 kHz, 15-02, 0936 UTC	____ OFRA 96 _____ ALLEEN K10553?? //10553 kHz
19046 kHz, 15-02, 0937 UTC	XXX XXX MFT5 MFT5 50400 SWEKRUHA 9469 5596 K //7678, 7854 kHz
19046 kHz, 15-02, 0939 UTC	XXX XXX _ 86422 PUNIÔESKIJ 4229 8560 K //10553 kHz
19046 kHz, 15-02, 0943 UTC	XXX XXX IYWN IYWN 11610 MAJOPSL 3197 8585 K //7678, 7854 kHz
19046 kHz, 15-02, 0950 UTC	XXX XXX 8BJ4 8BJ4 NGH5 NGH5 G25ø G25ø B64B B64B 88944 ROGOKOKK 8815 7274 K
	//10553 kHz
19046 kHz, 15-02, 1000 UTC	XXX XXX G25O G25O 04508 PIKETNYJ 8307 0206 K //10553 kHz
19046 kHz, 15-02, 1005 UTC	XXX XXX CSWY CSWY 45739 KLANOHAM 8541 4505 K //7678, 7854 kHz
19046 kHz, 15-02, 1020 UTC	XXX XXX G25O G25O 61049 BRIZOGALL 8290 1229 K //10553 kHz
19046 kHz, 15-02, 1021 UTC	XXX XXX G25O G25O 22668 NERWOGIPS 9248 1703 K //10553 kHz
19046 kHz, 15-02, 1021 UTC	XXX XXX G25O G25O 42881 NEPOÔTENIE 4159 9713 K //10553 kHz
19046 kHz, 15-02, 1035 UTC	XXX XXX G25O G25O 79562 GEODEZIÂ 4245 6416 K //10553 kHz
19046 kHz, 15-02, 1036 UTC	XXX XXX G25O G25O 59989 PYVOKLAD 7215 1707 K //10553 kHz
19046 kHz, 15-02, 1040 UTC	XXX XXX G25O G25O 15739 NIWELIR 1560 8044 K //10553 kHz
19046 kHz, 15-02, 1043 UTC	XXX XXX CSWY CSWY 03166 AULOKLIR 2438 4425 K //10553 kHz
19046 kHz, 15-02, 1050 UTC	XXX XXX N1DX N1DX 6272 PROSTORNYJ 2983 7094 K //10553 kHz
19046 kHz, 15-02, 1055 UTC	____ 2782 PROSTORNYJ 2983 7094 K //7789 kHz
19046 kHz, 15-02, 1102 UTC	XXX XXX CSWY CSWY 97887 BUKSOFLIK 5817 5381 K //7678, 7854 kHz
19046 kHz, 15-02, 1104 UTC	XXX XXX 94925 TROTERTYJ 1554 2055 K //7678, 7854 kHz

### REA4 Russian Air Force

6087.5 kHz, 15-02, 1340 UTC	XXX XXX 1ShchRF 1ShchRF 26756 SEKSTA 5569 6235 K
6087.5 kHz, 15-02, 1346 UTC	XXX XXX 1ShchRF 1ShchRF 38498 GUAMOTAW 8342 9671 K
6087.5 kHz, 15-02, 1348 UTC	XXX XXX 1ShchRF 1ShchRF 17796 SMORShchiWANXE 6890 6077 SALONNYJ 8384 5679 K
6087.5 kHz, 15-02, 1359 UTC	XXX XXX 1ShchRF 1ShchRF 02010 TIGROWOÄV 9951 2491 K
6087.5 kHz, 15-02, 1403 UTC	XXX XXX 1ShchRF 1ShchRF 14905 BRODORVEV 3285 5003 SLETOLIF 6943 7600 K
6087.5 kHz, 15-02, 1417 UTC	XXX XXX MSK7 62876 SKITOCENT 1686 8864 K
6087.5 kHz, 15-02, 1423 UTC	XXX XXX MSK7 MSK7 26676 ZATYLOK 7766 2346 K
6087.5 kHz, 15-02, 1432 UTC	XXX XXX MSK7 MSK7 49581 DROKOKRÜK 4561 3635 K
6087.5 kHz, 15-02, 1434 UTC	XXX XXX MSK7 MSK7 39297 GUAMOFANG 3916 9741 K
6087.5 kHz, 15-02, 1437 UTC	XXX XXX MSK7 MSK7 96632 IRISOChAD 0998 1797 K
6087.5 kHz, 15-02, 1439 UTC	XXX XXX MSK7 MSK7 12774 WOROPLÄS 6884 3676 K
6087.5 kHz, 15-02, 1441 UTC	XXX XXX MSK7 MSK7 30112 MÄChOLARX 2184 6690 KAFOLAÄ 3916 9741 SOZREWANXE
	0998 1797 LIWANKA 6884 3676 K
6087.5 kHz, 15-02, 1444 UTC	XXX XXX MSK7 MSK7 75799 SKITANIE 7205 6863 K
6087.5 kHz, 15-02, 1446 UTC	XXX XXX MSK7 MSK7 00006 PTichKA 5768 0505 K
6087.5 kHz, 15-02, 1456 UTC	XXX XXX 1ShchRF 1ShchRF 19898 RYNOChNYJ 8112 9079 K
6087.5 kHz, 19-02, 0957 UTC	XXX XXX 1ShchRF 1ShchRF 51719 SOMOKUSh 7119 9903 SWIShchOPLEN 3637 7420 K
6087.5 kHz, 19-02, 1005 UTC	XXX XXX HA57 HA57 12964 SWODKA 5444 3054 PRORAB 8366 3750 K
6087.5 kHz, 19-02, 1035 UTC	XXX XXX HA57 HA57 64411 PLUGOKOBE 9572 4840 K

6087.5 kHz, 19-02, 1037 UTC	XXX XXX HA57 HA57 63448 VIWOTNOWOD 9666 2453 K
6087.5 kHz, 19-02, 1038 UTC	XXX XXX HA57 HA57 WYMERYuANXE 2778 2844 K
6087.5 kHz, 19-02, 1041 UTC	XXX XXX HA57 HA57 59832 VESTOBUS 7188 5876 K
6087.5 kHz, 19-02, 1045 UTC	XXX XXX HA57 HA57 68979 WYMERYuANXE 2778 2844 K
6087.5 kHz, 19-02, 1100 UTC	XXX XXX HA57 HA57 54753 SLIWANXE 2518 3834 K
6087.5 kHz, 19-02, 1101 UTC	XXX XXX HA57 HA57 83684 SOMOSLOW 1001 4175 NEGLASNYJ 3385 5851 PRELOMLNIE 4463 8441 BLYuMOLOW 7188 5876 K
6087.5 kHz, 19-02, 1105 UTC	XXX XXX HA57 HA57 81379 PSHIKOWNOS 2518 3834 TASSOBANS 1298 8217 K
6087.5 kHz, 19-02, 1107 UTC	XXX XXX HA57 HA57 46478 WZYaTOK 7046 9006 K
6087.5 kHz, 19-02, 1115 UTC	XXX XXX 1ShchRF 1ShchRF 78575 ZUBOFRIC 1012 5542 K
6087.5 kHz, 27-02, 1515 UTC	XXX XXX ShchMCK ShchMCK 21631 RITMOZUAV 1453 1710 K
6087.5 kHz, 27-02, 1531 UTC	XXX XXX L9XS L9XS 91399 SMYV 9639 4833 K

## Monolith Stations

### S28 Buzzer

**4625 kHz, 04-02, 0806 UTC**

VLKhN 30 788 OZONID 76 50 28 87

### S30 Pip

5448 kHz, 15-02, 1315 UTC	Dlya: ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh Kak slyshno, kak slyshno? Priyom
5448 kHz, 28-02, 1215 UTC	8S1Shch 17781 MOSTOFAVN 1754 1451 mistake in reading, corrected at 1217z
5448 kHz, 28-02, 1217 UTC	8S1Shch 77781 MOSTOFAVN 1754 1451
5448 kHz, 28-02, 1218 UTC	8S1Shch 01726 KYeDROZAYaC 0070 6129
5448 kHz, 28-02, 1236 UTC	8S1Shch 67645 LAZOSKOP 8045 0273
3756 kHz, 28-02, 1502 UTC	Dlya: 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5

### S32 Squeaky Wheel

5473 kHz, 28-02, 1220 UTC	Al'fa-45 39564 MYeTAZOA 5846 6762
5473 kHz, 28-02, 1236 UTC	Al'fa-45 09492 VIZGOBAJT 6489 7464
5473 kHz, 28-02, 1241 UTC	Al'fa-45 39027 OBOLOVAN 6874 1464

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

RMv – Russian Military

### Voice messages in morse format

**6922 kHz, 10-02, 0959 UTC**

Radar-61, ya Beta-30 primite dve radiogrammy.

Beta-30 457 23 10 1230 457 676

DDDDD FIKhTsZ YulYSV SKhFPCh ShchUYuYeKh SKhFPCh ShchUYuYeKh

SKhFPCh ShchUYuYeKh YuChLPKh FVPChY ChShMChA NZhYaVI ORVIS

VVShITS LNPSU ChChShSV ZYuQYN GSZhChU MRShchBV ChAchSSh YaPPVYa

**6922 kHz, 10-02, 1003 UTC**

315 25 10 1250 315 676 18 718 595 81 493 60 769 12 567 18 115 16 277 24

553 11 77606 95803 54585 89999 63031 96818 53208 85334 76960 34516

07589 97957 21589 05262 94439 100 23

Priyom



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

### **3364 kHz, 01-02, 1814 UTC, i.p.**

TYYH QTC AR

TYYH NR 267 29 1 2105 267 =

ZBQ 121 =

01651 04518 10425 40133 83382 12041 85878 16088 13566 60300

53508 57738 74088 51624 60142 47514 18845 50772 38600 53561

53052 51074 71577 74533 42800 01025

121 QLN K

### **6167 kHz, 07-02, 0835 UTC, i.p.**

PQNX 776 24 7 1120 776 = 877 =

46762 09257 47294 62246 56304 73160 60257 52135 54057 38420

39792 99212 16254 98310 44560 47594 41277 73765 84293 06793

09871 25179 07022

RPT AL K

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

### **8816 kHz, 01-02, 0912 UTC**

RJC38 RJF94 DE 26385 QTO 0901 QRD XLAA XLMD QRE 1100 QBD 0500 K

QTH 16631 13604 QTR 0951 QBG 5800 QBD 0400 QRE XLAA 1035 K

QQM XLAA 1039 SK

### **8816 kHz, 01-02, 1221 UTC**

RJC38 RJF94 DE 26385 QTO 1211 QRD XLMD XLAA QRE 1400 QBD 0500 K

QTH 16617 13651 QTR 1252 QBG 5500 QBD 0400 QRE XLMD 1355 K

QQM XLMD 1400 SK

### **8816 kHz, 04-02, 0824 UTC**

RJC38 RJF94 DE 26385 QTO 0805 QRD XLMD XUMO QRE 1205 QBD 0500 K

QTH 15945 13750 QTR 0924 QBG 5700 QBD 0400 K

QTH 16351 13519 QTR 1021 QBG 5700 QBD 0300 K

QTH 16542 13359 QTR 1102 QBG 5700 QBD 0230 QRE XLMD 1205 K

QQM XLMD 1200 SK

### **8816 kHz, 20-02, 1148 UTC**

RJC38 RJF94 DE 26383 QTO 1135 QRD XODS XLDR QRE 1520 QBD 0530 K

QTH 17410 15870 QTR 1232 QBG 5800 QBD 0430 K

QTH 17532 16347 QTR 1302 QBG 5800 QBD 0400 K

QTH 17652 16874 QTR 1332 QBG 5800 QBD 0330 K

QTH 17767 17416 QTR 1401 QBG 5800 QBD 0300 QRE XODS 1505 K

QTH 17880 18360 QTR 1433 QBG 5800 QBD 0200 K

QQM XODS 1505 SK

### **8816 kHz, 20-02, 1219 UTC**

RJF94 RJC38 DE 08268 QTO 1205 QRD XWON XUMO QRE 1435 QBD 0600 K

QTH 15449 14634 QTR 1307 QBG 7000 K

QTH 15219 15419 QTR 1401 QBG 5800 K

QQM XWON 1420 SK

### **8816 kHz, 21-02, 1248 UTC**

rjf94 rjc38 de 08268 qto 1237 qrd XLAA XWON qre 1720 qbd 0700 k

qth 15354 14934 qtr 1337 qbg 6700 k

qth 15646 14123 qtr 1444 qbg 6700 k

qth 16042 13848 qtr 1538 qbd 0300 qre XLAA 1635 k

qqm XLAA 1633 sk

**8816 kHz, 21-02, 1352 UTC**

RJC38 RJF94 DE 26383 QTO 1336 QRD XLMD XLDR QRE 1536 QBD 0500 K  
 QTH 17665 14315 QTR 1438 QBG 5500 QBD 0400 QRE XLMD 1530 K  
 QQM XLMD 1536 SK

**8816 kHz, 21-02 0808 UTC**

RJC38 RJF94 DE 75222 QQM XLMD 0808 SK

**8816 kHz, 21-02, 1033 UTC**

RJF94 RJC38 DE 26383 QTH 17657  
 16830 QTR 1030 QBG 5500 QBD 0400 K  
 QTH 17525 16330 QTR 1107 QBG 5500 QBD 0330 QRE XLDR 1220 K  
 QQM XLDR 1230 SK

**8816 kHz, 21-02, 1820 UTC**

RJF94 RJC38 DE 08268 QTO 1749 QRD XLMD XLAA QRE 1920 QBD 0530 K  
 QTH 16727 13247 QTR 1850 QBG 6100 K  
 QQM XLMD 1923 SK

<b><i>M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)</i></b>
-------------------------------------------------------------------------

**6087.5 kHz, 15-02, 1240 UTC**

REA4 REA4 =  
 15110 99900 14120 62596 74996 03101 11220 21254 71000 80000 =  
 REA4 K

**6087.5 kHz, 15-02, 1540 UTC**

REA4 REA4 =  
 15140 99900 14150 27627 75597 82906 11200 21059 70322 885// 920// =  
 REA4 K

**6087.5 kHz, 19-02, 1049 kHz**

XXX XXX HA57 HA57 66883 218 =  
 DDDDD EMJShchC ShchXZhWA PGCBR EWXHSh PGCBR EWXHSh PGCBR EWXHSh JCOShG YuPBLJ KFSchhIYu OXPTK YuFCYuCh  
 WZUPR ChYXFS LNzhNB TXZWZh LCHShchR YaPONO AWPSchhW JChUST ZhCISB XUHYB YaPAHT XOZRK CXKIN LShchZhYuP  
 AWShWR ZJTYuE SKXNSchh BXDAX GFTLU NWFPW ShchOYuCSH OBZZhN NEYaIG NCZHRM MPDZhU RTGKP YuBISX FMNJYa  
 YaOShSM JNSchhCY EShchLJP ZXShchMD ONCJYa PIBIP DOISchhC BNTChY GUCXE OYuDYuShch UZUYG YuLDXM FSChYa XShchZFF  
 UGNOO HPSHJY MBSchhJP YaOCFZh BYaBRS MTWNT PCSYuK WRLZD ZhWZheCh ZXYaCSchh ZhJYWP HYJON ZFShZF JWNIM YEALX  
 CSPTZ EYaChKYu YaLChYaN YuKASP ZHBPS YuChFTE XShZJX ShchYuUJG LEMDH GOFTC PNBRS WKMKG OZTJYa BHyuCi LChJYX  
 BZRYCh AHSKU CTNZhR GDNIP BZhPWYa YaOPOYa = K

**Original transcript**

ббб ббб ХА57 ХА57 66883 218 =  
 ддддд емйщц щбжва пгцбр евхш пгцбр евхш пгцбр евхш йцошг юблй кфщию оьптк юфцюч взупр  
 чыьфс лнжнб тьзвж лцхщр японо авпщв йчуст жцисб бухыб ярахт ьозрк цькин лщжюп авшвр зйтюе скьнщ  
 бьдаь гфтлу нвфпв щююцш обзжн неяиг нцжрм мпджу ртгкп юбись фмнйя яошсм йнщцы ещлйп зьщмд  
 онцйя пибип доищц бнтчы гуцье оюдюш узуюг юлдьм фсичя ьщзф угноо хпшйы мбщйп яоцфж бябрс  
 мтвнт пцсюк врлзд жвжеч зьяцщ жйывп хыйон зфшзф йвним ыеаль цсптз еячкю ялчян юкасп зхбпс ючфте  
 ьшзйь щюуиг лемдх гофтц пнбрс вкмкг озтйя бхюци лчйыь бзрыч ахску цтнжр гднип бжпва яопоя = К

## LOGS SECTION

Code	Freq.	Date	UTC	Day	Details	Mode	Ctrb
---	4132	4-2	1318	Mon	DE AIC (x3) II II DE EZL (x3) II II DE X4F (x3) II II DE 4NS (x3)II II DE NEJ (x3)II II	CW	(JPL-HK)
---	3886	4-2	1512	Mon	North Korean Military: VVV 6TX (x3) DE 1AR (x3) QRU 15625 26 SK SK T T	CW	(JPL-Sib)
---	3802.6	4-2	1715	Mon	Beacon N every ca 7 secs	CW	(JPL-Sib)
---	3802.6	4-2	1754	Mon	Beacon N every ca 7 secs	CW	(AB-J)
---	3802.6	5-2	1444	Tue	Beacon N every ca 7 secs	CW	(AB-J)
---	3802.6	5-2	1526	Tue	Beacon N every ca 7 secs	CW	(AB-J)
---	3802.6	6-2	1515	Wed	Beacon N	CW	(KB7WOX)
---	7055	26-2	1508	Tue	Ukrainian-Russian propaganda war. Propaganda messages from both sides, music, shouting, jamming, swearing	LSB	(Kris/AB)
---	7055	27-2	0610	Wed	Ukrainian-Russian propaganda war. Propaganda messages from both sides, music, shouting, jamming, swearing	LSB	(AB)
---	7050	27-2	1843	Wed	Ukrainian-Russian propaganda war. Propaganda messages from both sides, music, shouting, jamming, swearing	LSB	(AB)
---	7050	28-2	0900	Thu	Ukrainian-Russian propaganda war. Propaganda messages from both sides, music, shouting, jamming, swearing	LSB	(AB)
---	7055	28-2	0900	Thu	Ukrainian-Russian propaganda war. Propaganda messages from both sides, music, shouting, jamming, swearing	LSB	(AB)
---	3240	28-2	1742	Thu	D-marker	USB	(AB)
---	4182	28-2	1743	Thu	Dash marker	USB	(AB)
---	4020	28-2	1744	Thu	Air Horn marker	USB	(AB)
---	3012	28-2	1745	Thu	Goose marker	USB	(AB)
DPRK	16122	21-2	0901	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13373	21-2	1024	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14412	21-2	1026	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	6803	25-2	1829	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13105	26-2	0705	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(DK8OK)
DPRK	14444	26-2	0709	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(DK8OK)
DPRK	12955	26-2	0710	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(DK8OK)
DPRK	12488	26-2	0712	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(DK8OK)
DPRK	12588	26-2	0713	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(DK8OK)
E06	17475	7-2	0600	Thu	702 349 56 34664 35320 45005 ... 51544 63499 18783 349 56 00000	USB	(AB-RUS/HFD)
E06	20085	7-2	0700	Thu	702 349 56 34664 35320 45005 ... 51544 63499 18783 349 56 00000	USB	(AB-RUS/HFD)
E06	20085	8-2	0700	Fri	702 349 56 34664 35320 45005 ... 51544 63499 18783 349 56 00000	USB	(AB-RUS)
E06	4760	8-2	2130	Fri	472 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 00000	USB	(AB)
E06	14364	18-2	0310	Mon	537 149 35 20423	USB	(HFD-KOR)
E06	20085	21-2	0700	Thu	702 ... message	USB	(AB-AUT)



E06	4836	21-2	2030	Thu	321 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 00000 Windows shut down sound	USB	(AB/MPJ)
E06	4760	22-2	2130	Fri	472 52 (ID used as key group) 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB)
E06	14364	26-2	0310	Tue	537 820 820 46 46 94956 77652 28715 ... 71994 90164 71040 820 820 46 46 00000	USB	(BW3-KOR)
E07	16161	1-2	1100	Fri	163 163 163 000	USB	(AB/RL/HFD)
E07	14661	1-2	1120	Fri	163 163 163 000	USB	(AB/RL/HFD)
E07	10112	2-2	0700	Sat	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB)
E07	11112	2-2	0720	Sat	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB)
E07	12112	2-2	0740	Sat	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB/HFD)
E07	10112	3-2	0700	Sun	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB/HFD)
E07	11112	3-2	0720	Sun	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB/HFD)
E07	12112	3-2	0740	Sun	111 111 111 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000	USB	(AB)
E07	8144	3-2	1805	Sun	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(HFD)
E07	6944	3-2	1820	Sun	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(HFD)
E07	5744	3-2	1840	Sun	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(HFD)
E07	8157	4-2	2000	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB/MPJ)
E07	6857	4-2	2020	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB/MPJ)
E07	5257	4-2	2040	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB/MPJ)
E07	15823	5-2	0700	Tue	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS)
E07	16323	5-2	0720	Tue	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS)
E07	18623	5-2	0740	Tue	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS)
E07	16161	5-2	1100	Tue	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB)
E07	14661	5-2	1120	Tue	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB)
E07	13361	5-2	1140	Tue	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB)
E07	8144	6-2	1800	Wed	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(AB/MPJ)
E07	6944	6-2	1820	Wed	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(AB/MPJ)
E07	5744	6-2	1840	Wed	197 197 197 1 283 129 283 129 85339 03764 74017 ... 37858 29060 01683 000 000	USB	(AB/MPJ)
E07	8157	6-2	2000	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-RUS/MPJ/HFD)
E07	6857	6-2	2020	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-AUT/MPJ/HFD)
E07	5257	6-2	2040	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB/MPJ/HFD)
E07	13368	7-2	1410	Thu	745 745 745 000	USB	(AB/MPJ)
E07	12168	7-2	1430	Thu	745 745 745 000	USB	(AB/MPJ)
E07	15823	8-2	0700	Fri	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS/HFD)
E07	16323	8-2	0720	Fri	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS/HFD)
E07	18623	8-2	0740	Fri	836 836 836 1 5246 58 5246 58 96255 60824 45602 ... 68332 13935 89297 000 000	USB	(AB-RUS/HFD)
E07	16161	8-2	1100	Fri	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB/MPJ)
E07	14661	8-2	1120	Fri	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB/MPJ)
E07	13361	8-2	1140	Fri	163 163 163 1 3715 84 3715 84 51857 73623 31326 ... 47890 70218 78619 000 000	USB	(AB/MPJ)

E07	10112	9-2	0700	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	11112	9-2	0720	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	12112	9-2	0740	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	13368	9-2	1410	Sat	745 745 745 000	USB	(AB/MPJ/HFD)
E07	12168	9-2	1430	Sat	745 745 745 000	USB	(AB/MPJ/HFD)
E07	10112	10-2	0700	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	11112	10-2	0720	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	12112	10-2	0740	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	8144	10-2	1800	Sun	197 197 197 000	USB	(AB/MPJ)
E07	6944	10-2	1820	Sun	197 197 197 000	USB	(AB/MPJ)
E07	8157	11-2	2000	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-RUS)
E07	6857	11-2	2020	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-RUS)
E07	5257	11-2	2040	Mon	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB)
E07	15823	12-2	0700	Tue	836 836 836 000	USB	(AB)
E07	16323	12-2	0720	Tue	836 836 836 000	USB	(AB)
E07	16161	12-2	1100	Tue	163 163 163 000	USB	(AB/MPJ)
E07	14661	12-2	1120	Tue	163 163 163 000	USB	(AB/MPJ)
E07	8144	13-2	1800	Wed	197 197 197 000	USB	(AB/MPJ)
E07	6944	13-2	1820	Wed	197 197 197 000	USB	(AB/MPJ)
E07	8157	13-2	2000	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-RUS/MPJ-RUS)
E07	6857	13-2	2020	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB-RUS/MPJ-RUS)
E07	5257	13-2	2040	Wed	182 182 182 1 919 48 919 48 87575 02937 61881 ... 74247 71781 90965 000 000	USB	(AB/MPJ-RUS)
E07	10112	14-2	1400	Thu	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	13368	14-2	1410	Thu	745 745 745 000	USB	(AB/MPJ)
E07	11112	14-2	1420	Thu	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	12168	14-2	1430	Thu	745 745 745 000	USB	(AB/MPJ)
E07	12112	14-2	1440	Thu	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	15823	15-2	0700	Fri	836 836 836 000	USB	(AB-RUS)
E07	16323	15-2	0720	Fri	836 836 836 000	USB	(AB-RUS)
E07	16161	15-2	1100	Fri	163 163 163 000	USB	(AB/MPJ)
E07	14661	15-2	1120	Fri	163 163 163 000	USB	(AB/MPJ)
E07	10112	16-2	0700	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	11112	16-2	0720	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	12112	16-2	0740	Sat	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	13368	16-2	1410	Sat	745 745 745 000	USB	(MPJ)
E07	12168	16-2	1430	Sat	745 745 745 000	USB	(MPJ)
E07	10112	17-2	0700	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	11112	17-2	0720	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)

E07	12112	17-2	0740	Sun	111 111 111 1 787 47 787 47 68605 57611 52645 ... 58213 40440 08141 000 000	USB	(AB)
E07	8144	17-2	1800	Sun	197 197 197 000	USB	(AB/MPJ)
E07	6944	17-2	1820	Sun	197 197 197 000	USB	(AB/MPJ)
E07	8157	18-2	2000	Mon	182 182 182 000	USB	(AB/MPJ)
E07	6857	18-2	2020	Mon	182 182 182 000	USB	(AB/MPJ)
E07	16161	19-2	1100	Tue	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	13361	19-2	1120	Tue	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	14661	19-2	1120	Tue	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	8144	20-2	1800	Wed	197 197 197 000	USB	(AB/MPJ)
E07	6944	20-2	1820	Wed	197 197 197 000	USB	(AB/MPJ)
E07	8157	20-2	2000	Wed	182 182 182 000	USB	(AB-RUS/MPJ)
E07	6857	20-2	2020	Wed	182 182 182 000	USB	(AB)
E07	10112	21-2	1400	Thu	111 111 111 000	USB	(AB)
E07	13368	21-2	1410	Thu	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ/HFD)
E07	11112	21-2	1420	Thu	111 111 111 000	USB	(AB)
E07	12168	21-2	1430	Thu	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ/HFD)
E07	11168	21-2	1450	Thu	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ/HFD)
E07	15823	22-2	0700	Fri	836 836 836 1 7080 58 7080 58 82710 13705 88436 ... 91314 87293 34133 000 000	USB	(AB-RUS)
E07	16323	22-2	0720	Fri	836 836 836 1 7080 58 7080 58 82710 13705 88436 ... 91314 87293 34133 000 000	USB	(AB-AUT)
E07	18623	22-2	0740	Fri	836 836 836 1 7080 58 7080 58 82710 13705 88436 ... 91314 87293 34133 000 000	USB	(AB-RUS)
E07	16161	22-2	1100	Fri	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	13361	22-2	1120	Fri	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	14661	22-2	1120	Fri	163 1 7020 188 32332 61449 49114 ... 89964 69694 82364 000 000	USB	(MPJ)
E07	10112	23-2	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	23-2	0720	Sat	111 111 111 000	USB	(AB)
E07	13368	23-2	1410	Sat	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ)
E07	12168	23-2	1430	Sat	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ)
E07	11168	23-2	1450	Sat	745 745 745 1 547 97 547 97 87740 07468 43665 ... 87638 38252 10224 000 000	USB	(AB/MPJ)
E07	10112	24-2	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	24-2	0720	Sun	111 111 111 000	USB	(AB)
E07	10112	24-2	1400	Sun	111 111 111 000	USB	(AB/Dan)
E07	11112	24-2	1420	Sun	111 111 111 000	USB	(AB/Dan)
E07	8144	24-2	1800	Sun	197 197 197 000	USB	(AB/MPJ)
E07	6944	24-2	1820	Sun	197 197 197 000	USB	(AB/MPJ)
E07	8157	25-2	2000	Mon	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ)
E07	6857	25-2	2020	Mon	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ)
E07	5257	25-2	2040	Mon	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ)
E07	15823	26-2	0700	Tue	836 836 836 000	USB	(AB-RUS)
E07	16323	26-2	0720	Tue	836 836 836 000	USB	(AB-RUS)
E07	16161	26-2	1100	Tue	163 163 163 000	USB	(AB/MPJ)

<b>E07</b>	14661	26-2	1120	Tue	163 163 163 000	USB	(AB/MPJ)
<b>E07</b>	8144	27-2	1800	Wed	197 197 197 000	USB	(AB/MPJ)
<b>E07</b>	6944	27-2	1820	Wed	197 197 197 000	USB	(AB/MPJ)
<b>E07</b>	8157	27-2	2000	Wed	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ)
<b>E07</b>	6857	27-2	2020	Wed	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ)
<b>E07</b>	5257	27-2	2040	Wed	182 182 182 1 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB)
<b>E07</b>	10112	28-2	1400	Thu	111 111 111 000	USB	(AB/MPJ/HFD)
<b>E07</b>	13368	28-2	1410	Thu	745 745 745 000	USB	(AB/MP)
<b>E07</b>	11112	28-2	1420	Thu	111 111 111 000	USB	(AB/MPJ/HFD)
<b>E07</b>	12168	28-2	1430	Thu	745 745 745 000	USB	(AB/MPJ)
<b>E07a</b>	9347	1-2	1610	Fri	318 318 318 000	USB	(AB/GHn/CM2/ MPJ/HFD)
<b>E07a</b>	8147	1-2	1630	Fri	318 318 318 000	USB	(AB/MPJ/HFD)
<b>E07a</b>	11053	2-2	0900	Sat	015 015 015 000	USB	(AB)
<b>E07a</b>	12153	2-2	0920	Sat	015 015 015 000	USB	(AB)
<b>E07a</b>	9347	8-2	1610	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	8147	8-2	1630	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	6847	8-2	1650	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	11053	9-2	0900	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000 Off after 10th group. Restart at 0904 UTC.	USB	(AB/HFD)
<b>E07a</b>	12153	9-2	0920	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/HFD)
<b>E07a</b>	13553	9-2	0940	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/HFD)
<b>E07a</b>	5877	13-2	2100	Wed	825 825 825 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	5277	13-2	2120	Wed	825 825 825 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	4577	13-2	2140	Wed	825 825 825 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	5111	14-2	0530	Thu	189 189 189 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	5811	14-2	0550	Thu	189 189 189 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	6911	14-2	0610	Thu	189 189 189 1 69154 4680 67 4680 67 57624 36229 58178 ... 00535 57592 37287 000 000	USB	(AB)
<b>E07a</b>	9347	15-2	1610	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	8147	15-2	1630	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	6847	15-2	1650	Fri	318 318 318 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB/MPJ)
<b>E07a</b>	11053	16-2	0900	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB)
<b>E07a</b>	12153	16-2	0920	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB)
<b>E07a</b>	13553	16-2	0940	Sat	015 015 015 1 66124 6035 59 6035 59 26691 22298 31824 ... 87318 27533 03739 000 000	USB	(AB)
<b>E07a</b>	5877	20-2	2100	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5277	20-2	2120	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	4577	20-2	2140	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5111	21-2	0530	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5811	21-2	0550	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	6911	21-2	0610	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)

<b>E07a</b>	9347	22-2	1610	Fri	318 318 318 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB/MPJ)
<b>E07a</b>	8147	22-2	1630	Fri	318 318 318 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB/MPJ)
<b>E07a</b>	6847	22-2	1650	Fri	318 318 318 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB/GHn/MPJ)
<b>E07a</b>	11053	23-2	0900	Sat	015 015 015 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB)
<b>E07a</b>	12153	23-2	0920	Sat	015 015 015 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB)
<b>E07a</b>	13553	23-2	0940	Sat	015 015 015 1 35013 540 71 540 71 43712 09388 94161 ... 22651 07301 75362 000 000	USB	(AB)
<b>E07a</b>	5877	27-2	2100	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5277	27-2	2120	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	4577	27-2	2140	Wed	825 825 825 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5111	28-2	0530	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	5811	28-2	0550	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E07a</b>	6911	28-2	0610	Thu	189 189 189 1 39659 4193 65 4193 65 12286 66535 20665 ... 30744 04321 25173 000 000	USB	(AB)
<b>E11</b>	9200	1-2	0600	Fri	184/00	USB	(AB)
<b>E11</b>	6804	1-2	0700	Fri	575/00	USB	(AB)
<b>E11</b>	9130	1-2	0715	Fri	635/00	USB	(AB)
<b>E11</b>	17378	1-2	0745	Fri	346/00	USB	(AB-AUT)
<b>E11</b>	8800	1-2	1000	Fri	300/00	USB	(AB)
<b>E11</b>	20167	1-2	1225	Fri	520(?)/00	USB	(MPJ-CZE)
<b>E11</b>	4909	2-2	0805	Sat	319/00	USB	(AB)
<b>E11</b>	11116	2-2	1300	Sat	580/00	USB	(MPJ)
<b>E11</b>	14666	2-2	1345	Sat	915/00	USB	(AB/MPJ)
<b>E11</b>	9443	2-2	1705	Sat	393/00	USB	(MPJ)
<b>E11</b>	8545	2-2	1730	Sat	400/00	USB	(MPJ)
<b>E11</b>	4909	3-2	0805	Sun	319/00	USB	(AB)
<b>E11</b>	4505	3-2	1605	Sun	233/00	USB	(AB/MPJ)
<b>E11</b>	10448	3-2	1625	Sun	972/00	USB	(MPJ)
<b>E11</b>	4909	4-2	0450	Mon	412/00	USB	(AB)
<b>E11</b>	9200	4-2	0600	Mon	185/00	USB	(AB)
<b>E11</b>	11450	4-2	0640	Mon	941/00	USB	(AB)
<b>E11</b>	10213	4-2	0745	Mon	266/00	USB	(AB)
<b>E11</b>	4909	4-2	0820	Mon	432/00	USB	(AB)
<b>E11</b>	8597	4-2	0900	Mon	534/00	USB	(AB)
<b>E11</b>	12924	4-2	1745	Mon	246/00	USB	(AB-AUT/MPJ-AUT)
<b>E11</b>	6849	4-2	1900	Mon	640/00	USB	(AB/MPJ/BW3-HOL)
<b>E11</b>	7840	5-2	0645	Tue	518/00	USB	(AB)
<b>E11</b>	14611	5-2	0820	Tue	136/00	USB	(AB/HFD)
<b>E11</b>	8800	5-2	1000	Tue	304/00	USB	(AB)
<b>E11</b>	7317	5-2	1205	Tue	460/00	USB	(AB/MPJ)

E11	14666	5-2	1345	Tue	917/00	USB	(AB-AUT)
E11	4505	5-2	1605	Tue	235/00	USB	(AB/GHn/MPJ/BW3)
E11	11493	5-2	1645	Tue	335/00	USB	(MPJ-I)
E11	11450	6-2	0640	Wed	940/00	USB	(AB)
E11	14611	6-2	0820	Wed	132/00	USB	(AB)
E11	8597	6-2	0900	Wed	534/00	USB	(AB)
E11	8180	6-2	0930	Wed	275/00	USB	(AB)
E11	7317	6-2	1205	Wed	466/00	USB	(AB/MPJ)
E11	8545	6-2	1730	Wed	403/00	USB	(AB/MPJ)
E11	7840	7-2	0645	Thu	518/00	USB	(AB)
E11	5409	7-2	1530	Thu	269/00	USB	(GHn/MPJ)
E11	11493	7-2	1645	Thu	333/00	USB	(MPJ)
E11	5779	7-2	1730	Thu	412/00	USB	(AB/MPJ/GHn)
E11	6849	7-2	1900	Thu	641/00	USB	(AB/MPJ)
E11	8800	8-2	1000	Fri	305/00	USB	(AB)
E11	16335	8-2	1650	Fri	926/00	USB	(AB)
E11	10487	8-2	1910	Fri	611/00	USB	(AB/MPJ)
E11	4505	9-2	0710	Sat	491/00	USB	(AB)
E11	4909	9-2	0805	Sat	314/00	USB	(AB)
E11	14666	9-2	1345	Sat	910/00	USB	(AB)
E11	8545	9-2	1730	Sat	408/00	USB	(AB/MPJ/BW3)
E11	4505	10-2	0710	Sun	498/00	USB	(AB)
E11	4909	10-2	0805	Sun	310/00	USB	(AB)
E11	4505	10-2	1605	Sun	238/00	USB	(AB/MPJ)
E11	16335	10-2	1650	Sun	927/00	USB	(AB-AUT/MPJ-CZE)
E11	12924	10-2	1745	Sun	245/00	USB	(MPJ-AUT)
E11	9200	11-2	0600	Mon	188/00	USB	(AB)
E11	11450	11-2	0640	Mon	949/00	USB	(AB-QAT)
E11	10213	11-2	0745	Mon	260/00	USB	(AB)
E11	5149	11-2	0820	Mon	431/00	USB	(AB)
E11	8597	11-2	0900	Mon	533/00	USB	(AB)
E11	7984	11-2	1045	Mon	697/00	USB	(AB)
E11	20167	11-2	1225	Mon	520(?)/00	USB	(MPJ-AUT)
E11	12924	11-2	1745	Mon	Active but unreadable	USB	(MPJ-AUT)
E11	6849	11-2	1900	Mon	641/00	USB	(AB/MPJ)
E11	7840	12-2	0645	Tue	514/00	USB	(AB)
E11	6804	12-2	0700	Tue	575/00	USB	(AB)
E11	9130	12-2	0715	Tue	635/00	USB	(AB)

E11	9130	12-2	0715	Tue	635/00	USB	(AB)
E11	14611	12-2	0820	Tue	136/00	USB	(AB)
E11	11104	12-2	0845	Tue	150/00	USB	(AB)
E11	14666	12-2	1345	Tue	919/00	USB	(AB-AUT)
E11	11493	12-2	1645	Tue	335/00	USB	(AB/MPJ-HOL)
E11	11450	13-2	0640	Wed	948/00	USB	(AB)
E11	14611	13-2	0820	Wed	133/00	USB	(AB)
E11	8597	13-2	0900	Wed	535/00	USB	(AB)
E11	8180	13-2	0930	Wed	277/00	USB	(AB)
E11	7984	13-2	1045	Wed	694/00	USB	(AB)
E11	10448	13-2	1625	Wed	974/00	USB	(AB/MPJ)
E11	9443	13-2	1705	Wed	392/00	USB	(AB/MPJ)
E11	8545	13-2	1730	Wed	405/00	USB	(AB/MPJ)
E11	5779	14-2	0315	Thu	258/00	USB	(AB)
E11	7840	14-2	0645	Thu	517/00	USB	(AB)
E11	5149	14-2	0820	Thu	435/00	USB	(AB/HFD)
E11	8180	14-2	0930	Thu	279/00	USB	(AB)
E11	11116	14-2	1300	Thu	583/00	USB	(AB/MPJ)
E11	5409	14-2	1530	Thu	266/00	USB	(AB/MPJ)
E11	11493	14-2	1645	Thu	331/00	USB	(AB/MPJ/BW3-HOL)
E11	6849	14-2	1900	Thu	648/00	USB	(AB)
E11	12067	14-2	1925	Thu	557/00	USB	(AB-AUT)
E11	6804	15-2	0700	Fri	571/00	USB	(AB)
E11	9130	15-2	0715	Fri	637/00	USB	(AB)
E11	16335	15-2	1650	Fri	922/00	USB	(AB)
E11	9200	15-2	E11	Fri	188/00	USB	(AB)
E11	4505	16-2	0710	Sat	492/00	USB	(AB)
E11	4909	16-2	0805	Sat	313/00	USB	(AB)
E11	11116	16-2	1300	Sat	589/00	USB	(MPJ-HOL)
E11	14666	16-2	1345	Sat	911/00	USB	(MPJ)
E11	9443	16-2	1705	Sat	394/00	USB	(AB/GHn/MPJ)
E11	8545	16-2	1730	Sat	409/00	USB	(AB/GHn/MPJ)
E11	4505	17-2	0710	Sun	496/00	USB	(AB)
E11	4909	17-2	0805	Sun	310/00	USB	(AB)
E11	10448	17-2	1625	Sun	978/00	USB	(AB)
E11	16335	17-2	1650	Sun	927/00	USB	(MPJ-AUT)
E11	11450	18-2	0640	Mon	946/00	USB	(AB-QAT)
E11	10213	18-2	0745	Mon	267/00	USB	(AB)
E11	7984	18-2	1045	Mon	697/00	USB	(MPJ)



E11	20167	18-2	1225	Mon	520/00	USB	(AB-AUT/MPJ/HFD-AFS)
E11	6849	18-2	1900	Mon	641/00	USB	(AB/MPJ)
E11	6433	19-2	1205	Tue	463/00	USB	(AB)
E11	12067	19-2	1925	Tue	Active but unreadable	USB	(MPJ-CZE)
E11	5779	20-2	0315	Wed	251/00	USB	(AB)
E11	11450	20-2	0640	Wed	946/00	USB	(AB)
E11	17378	20-2	0745	Wed	349/00	USB	(AB-AUT)
E11	14611	20-2	0820	Wed	135/00	USB	(AB)
E11	8180	20-2	0930	Wed	276/00	USB	(AB)
E11	7984	20-2	1045	Wed	690/00	USB	(AB)
E11	6433	20-2	1205	Wed	463/00	USB	(AB/MPJ)
E11	10448	20-2	1625	Wed	976/00	USB	(AB/MPJ)
E11	5779	21-2	0315	Thu	250/00	USB	(AB)
E11	7840	21-2	0645	Thu	518/00	USB	(AB)
E11	5149	21-2	0820	Thu	435/00	USB	(AB)
E11	11104	21-2	0845	Thu	150/00	USB	(AB)
E11	8180	21-2	0930	Thu	276/00	USB	(AB)
E11	11116	21-2	1300	Thu	583/00	USB	(AB/MPJ)
E11	5409	21-2	1530	Thu	264/00	USB	(AB/MPJ)
E11	5779	21-2	1730	Thu	413/00	USB	(AB/MPJ)
E11	6849	21-2	1900	Thu	643/00	USB	(AB/MPJ)
E11	12067	21-2	1925	Thu	557/00	USB	(AB-POL/MPJ-POL)
E11	6804	22-2	0700	Fri	579/00	USB	(AB)
E11	9130	22-2	0715	Fri	635/00	USB	(AB)
E11	17378	22-2	0745	Fri	343/00	USB	(AB-QAT)
E11	20167	22-2	1225	Fri	528/00	USB	(MPJ-AUT)
E11	16335	22-2	1650	Fri	922/00	USB	(AB-POL)
E11	10487	22-2	1910	Fri	617/00	USB	(AB-POL/MPJ-AUT)
E11	4505	23-2	0710	Sat	496/00	USB	(AB)
E11	11116	23-2	1300	Sat	583/00	USB	(AB/MPJ)
E11	4505	24-2	0710	Sun	497/00	USB	(AB)
E11	4505	24-2	1605	Sun	235/00	USB	(AB/GHn/MPJ)
E11	10448	24-2	1625	Sun	975/00	USB	(AB/GHn)
E11	12924	24-2	1745	Sun	247/00	USB	(AB-POL)
E11	10487	24-2	1910	Sun	616/00 ? barely audible	USB	(MPJ-HNG)
E11	4909	25-2	0450	Mon	415/00	USB	(AB)



E11	9200	25-2	0600	Mon	184/00	USB	(AB)
E11	5149	25-2	0820	Mon	431/00	USB	(AB)
E11	8597	25-2	0900	Mon	532/00	USB	(AB)
E11	7984	25-2	1045	Mon	698/00	USB	(AB)
E11	20167	25-2	1225	Mon	524/00	USB	(AB-POL)
E11	6804	26-2	0700	Tue	570/00	USB	(AB)
E11	11104	26-2	0845	Tue	155/00	USB	(AB)
E11	8800	26-2	1000	Tue	302/00	USB	(AB)
E11	6433	26-2	1205	Tue	466/00	USB	(AB/MPJ)
E11	14666	26-2	1345	Tue	919/00	USB	(AB)
E11	4505	26-2	1605	Tue	233/00	USB	(AB/GHn/MPJ/B W3-HOL)
E11	11493	26-2	1645	Tue	337/00	USB	(AB/GHn/MPJ)
E11	10448	27-2	1625	Wed	972/00	USB	(AB/GHn/MPJ)
E11	8545	27-2	1730	Wed	400/00	USB	(AB/GHn/MPJ)
E11	5149	28-2	0820	Thu	434/00	USB	(AB)
E11	11104	28-2	0845	Thu	151/00	USB	(AB)
E11	11116	28-2	1300	Thu	585/00	USB	(AB-POL/MPJ)
E11	11493	28-2	1645	Thu	338/00	USB	(AB- POL/GHn/MPJ)
E11	5779	28-2	1730	Thu	415/00	USB	(AB/GHn/MPJ)
E11a	16335	1-2	1650	Fri	924/34 Attention ...	USB	(AB-S/MPJ-AUT)
E11a	4505	2-2	0710	Sat	498/37 Attention 05254 80190 74514 ... 74028 95181 25656 Attention (message repeated) Out	USB	(AB)
E11a	4505	3-2	0710	Sun	498/37 Attention 05254 80190 74514 ... 74028 95181 25656 Attention (message repeated) Out	USB	(AB)
E11a	7984	4-2	1045	Mon	691/23 Attention 23902 96211 52018 ... 07516 52080 48567 Attention (message repeated) Out	USB	(AB)
E11a	6804	5-2	0700	Tue	579/32 Attention 77094 30869 24560 ... 23225 67574 34168 Attention (message repeated) Out	USB	(AB)
E11a	9130	5-2	0715	Tue	637/35 Attention 00832 37290 04713 ... 16650 12951 89779 Attention (message repeated) Out	USB	(AB)
E11a	11104	5-2	0845	Tue	157/24 Attention 24963 15943 35638 ... 19936 11719 08967 Attention (message repeated) Out	USB	(AB)
E11a	7984	6-2	1045	Wed	691/23 Attention 23902 96211 52018 ... 07516 52080 48567 Attention (message repeated) Out	USB	(AB)
E11a	10448	6-2	1625	Wed	977/38 Attention 28212 64217 01754 ... 99125 62301 42772 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	9443	6-2	1705	Wed	399/32 Attention 23086 20099 32566 ... 89057 03125 54676 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11116	7-2	1300	Thu	585/31 Attention 83560 68688 77986 ... 32063 62907 55144 Attention (message repeated) Out	USB	(AB-AUT/MPJ)
E11a	6804	8-2	0700	Fri	579/32 Attention 77094 30869 24560 ... 23225 67574 34168 Attention (message repeated) Out	USB	(AB)
E11a	9130	8-2	0715	Fri	637/35 Attention 00832 37290 04713 ... 16650 12951 89779 Attention (message repeated) Out	USB	(AB)
E11a	11116	9-2	1300	Sat	585/31 Attention 83560 68688 77986 ... 32063 62907 55144 Attention (message repeated) Out	USB	(AB-AUT/MPJ)
E11a	9443	9-2	1705	Sat	399/32 Attention 23086 20099 32566 ... 89057 03125 54676 Attention (message repeated) Out	USB	(AB/MPJ/BW3)
E11a	10448	10-2	1625	Sun	977/38 Attention 28212 64217 01754 ... 99125 62301 42772 Attention (message repeated) Out	USB	(AB-ROU/MPJ)
E11a	8800	12-2	1000	Tue	308/40 Attention 35 35 66 Attention Attention 4455 9955 0707 4499 111133 Attention Attention etc. Faulty transmission	USB	(AB)
E11a	6433	12-2	1205	Tue	465/40 Attention 35841 78181 90793 ... 20150 44070 21161 Attention (message repeated) Out	USB	(AB)

E11a	4505	12-2	1605	Tue	230/34 Attention 70812 53848 56998 ... 19432 96502 87944 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	6433	13-2	1205	Wed	465/40 Attention 35841 78181 90793 ... 20150 44070 21161 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5779	14-2	1730	Thu	412/33 Attention 19339 84015 15160 ... 02523 09756 01504 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	8800	15-2	1000	Fri	308/40 Attention 91242 51800 61241 ... 48958 16439 25713 Attention (message repeated) Out	USB	(AB)
E11a	20167	15-2	1225	Fri	520/34 Attention 55288 31459 47767 ... 38822 32252 27145 Attention (message repeated) Out	USB	(AB-AUT/MPJ)
E11a	10487	15-2	1910	Fri	614/38 Attention ...	USB	(AB)
E11a	4505	17-2	1605	Sun	230/34 Attention 70812 53848 56998 ... 19432 96502 87944 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	17-2	1745	Sun	24?/? message	USB	(AB-AUT)
E11a	10487	17-2	1910	Sun	614/38 Attention 00438 95338 53577 ... 74579 85491 25918	USB	(AB/MPJ-I)
E11a	9200	18-2	0600	Mon	189/25 Attention 61876 22421 88252 ... 47557 84095 23941 Attention (message repeated) Out	USB	(AB)
E11a	8597	18-2	0900	Mon	535/34 Attention 86466 58215 81492 ... 06116 27375 89342 Attention (message repeated) Out	USB	(AB)
E11a	14666	19-2	1345	Tue	918/35 Attention 45427 68868 85336 ... 38547 08501 75580 Attention (message repeated) Out	USB	(AB-AUT)
E11a	11493	19-2	1645	Tue	335/31 Attention 69441 26111 45972 ... 68615 49701 99224	USB	(MPJ-I)
E11a	8597	20-2	0900	Wed	535/34 Attention 86466 58215 81492 ... 06116 27375 89342 Attention (message repeated) Out	USB	(AB)
E11a	8545	20-2	1730	Wed	405/36 Attention 46864 05444 66641 ... 49788 31012 54433 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	11493	21-2	1645	Thu	335/31 Attention 9441 26111 45972 ...	USB	(MPJ)
E11a	9200	22-2	0600	Fri	189/25 Attention 61876 22421 88252 ... 47557 84095 23941 Attention (message repeated) Out	USB	(AB)
E11a	4909	23-2	0805	Sat	312/32 Attention 70574 03958 98862 ... 14421 57475 36652 Attention (message repeated) Out	USB	(AB)
E11a	14666	23-2	1345	Sat	918/35 Attention 45427 68868 85336 ... 38547 08501 75580 Attention (message repeated) Out	USB	(MPJ-AUT)
E11a	8545	23-2	1730	Sat	405/36 Attention 46864 05444 66641 ... 49788 31012 54433 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	4909	24-2	0805	Sun	312/32 Attention 70574 03958 98862 ... 14421 57475 36652 Attention (message repeated) Out	USB	(AB)
E11a	10213	25-2	0745	Mon	268/37 Attention 93565 41350 33706 ... 31374 29692 68225 Attention (message repeated) Out	USB	(AB)
E11a	6849	25-2	1900	Mon	647/36 Attention 95006 20200 96731 ... 82749 32027 58203 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7840	26-2	0645	Tue	514/31 Attention 17756 26964 24118 ... 54889 25167 68420 Attention (message repeated) Out	USB	(AB)
E11a	14611	26-2	0820	Tue	138/38 Attention 81993 04251 04719 ... 83011 25775 97816 Attention (message repeated) Out	USB	(AB)
E11a	12067	26-2	1925	Tue	552/31 Attention 84037 19038 42565 ...	USB	(MPJ)
E11a	14611	27-2	0820	Wed	138/38 Attention 81993 04251 04719 ... 83011 25775 97816 Attention (message repeated) Out	USB	(AB)
E11a	8597	27-2	0900	Wed	539/36 Attention 94653 11988 76021 ... 53379 33870 91715 Attention (message repeated) Out	USB	(AB)
E11a	8180	27-2	0930	Wed	273/35 Attention 72179 68627 29145 ... 75302 30119 77333 Attention (message repeated) Out	USB	(AB)
E11a	6779	28-2	0315	Thu	255/39 Attention ...	USB	(AB)
E11a	7840	28-2	0645	Thu	514/31 Attention 17756 26964 24118 ... 54889 25167 68420 Attention (message repeated) Out	USB	(AB)
E11a	8180	28-2	0930	Thu	273/35 Attention 72179 68627 29145 ... 75302 30119 77333 Attention (message repeated) Out	USB	(AB)
E11a	5409	28-2	1530	Thu	268/37 Attention 93565 41350 33706 ... 31374 29692 68225 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	28-2	1900	Thu	647/36 Attention 95006 20200 96731 ... 82749 32027 58203 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12067	28-2	1925	Thu	552/31 Attention 84037 19038 42565 ... 29916 94724 66028 Attention (message repeated) Out	USB	(AB-POL/MPJ-POL)
E17z	11170	7-2	0800	Thu	674 205 8 87478 40657 42565 40760 53544 46640 47493 49734 205 8 00000	USB	(AB)
E17z	9820	7-2	0810	Thu	674 205 8 87478 40657 42565 40760 53544 46640 47493 49734 205 8 00000	USB	(AB)
E17z	11170	14-2	0800	Thu	674 205 8 87478 40657 42565 40760 53544 46640 47493 49734 205 8 00000	USB	(AB/HFD)
E17z	9820	14-2	0810	Thu	674 205 8 87478 40657 42565 40760 53544 46640 47493 49734 205 8 00000	USB	(AB/HFD)

<b>E17z</b>	11170	21-2	0800	Thu	674 831 5 37888 43451 33983 42283 46280 831 5 00000	USB	(AB)
<b>E17z</b>	9820	21-2	0810	Thu	674 831 5 37888 43451 33983 42283 46280 831 5 00000	USB	(AB)
<b>E17z</b>	11170	28-2	0800	Thu	674 831 5 37888 43451 33983 42283 46280 831 5 00000	USB	(AB)
<b>E17z</b>	9820	28-2	0810	Thu	674 831 5 37888 43451 33983 42283 46280 831 5 00000	USB	(AB)
<b>EGY</b>	9047.7	29-1	2044	Tue	99910: MFA Cairo clg 66601	CODAN Chirp	(DK8OK)
<b>EGY</b>	16224.7	15-2	1443	Fri	MFA Cairo clg KKXE: Egyptian embassy Luanda	SITOR-A 100/170	(AB)
<b>EGY</b>	16224.7	15-2	1445	Fri	99903: MFA Cairo traffic to 33313: Egyptian embassy Luanda	CODAN chirp	(AB)
<b>F01</b>	8156	6-2	1940	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB-RUS/MPJ)
<b>F01</b>	6844	6-2	1950	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB-RUS/MPJ)
<b>F01</b>	4527	6-2	2000	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ)
<b>F03a</b>	8680	1-2	0945	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	8680	1-2	0950	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	4-2	1030	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	4-2	1035	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	4-2	1830	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	4-2	1835	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	5-2	0835	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	5-2	0840	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	8680	5-2	0945	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	8680	5-2	0950	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	5-2	1800	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	5-2	1805	Tue	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	5371	6-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	5371	6-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	6-2	1030	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	6-2	1035	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	7-2	1800	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	7-2	1805	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	7-2	1830	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	7-2	1835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	8680	8-2	0945	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	8680	8-2	0950	Fri	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	11-2	1830	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	6906	11-2	1835	Mon	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	5371	13-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	5371	13-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	13-2	1030	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	7837	13-2	1035	Wed	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	14-2	0835	Thu	Polish intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	14-2	0840	Thu	Polish intel.	FSK 100/200	(AB)

F03a	5371	14-2	0915	Thu	Polish intel.	FSK 100/200	(AB)
F03a	5371	14-2	0920	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	14-2	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	14-2	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	14-2	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	14-2	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	18-2	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	18-2	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	5371	20-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	20-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	20-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	20-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7837	20-2	1030	Wed	Polish intel.	FSK 100/200	(AB)
F03a	7837	20-2	1035	Wed	Polish intel.	FSK 100/200	(AB)
F03a	10200	21-2	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10200	21-2	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	5371	21-2	0915	Thu	Polish intel.	FSK 100/200	(AB)
F03a	5371	21-2	0920	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	21-2	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	21-2	1805	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	21-2	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	21-2	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	7837	25-2	1030	Mon	Polish intel.	FSK 100/200	(AB)
F03a	7837	25-2	1035	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	25-2	1830	Mon	Polish intel.	FSK 100/200	(AB)
F03a	6906	25-2	1835	Mon	Polish intel.	FSK 100/200	(AB)
F03a	10200	26-2	0835	Tue	Polish intel.	FSK 100/200	(AB)
F03a	10200	26-2	0840	Tue	Polish intel.	FSK 100/200	(AB)
F03a	8680	26-2	0945	Tue	Polish intel.	FSK 100/200	(AB)
F03a	8680	26-2	0950	Tue	Polish intel.	FSK 100/200	(AB)
F03a	5371	27-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	27-2	0915	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	27-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
F03a	5371	27-2	0920	Wed	Polish intel.	FSK 100/200	(AB)
F03a	10200	28-2	0835	Thu	Polish intel.	FSK 100/200	(AB)
F03a	10200	28-2	0840	Thu	Polish intel.	FSK 100/200	(AB)
F03a	5371	28-2	0915	Thu	Polish intel.	FSK 100/200	(AB)
F03a	5371	28-2	0920	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	28-2	1800	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6480	28-2	1805	Thu	Polish intel.	FSK 100/200	(AB)

F03a	6906	28-2	1830	Thu	Polish intel.	FSK 100/200	(AB)
F03a	6906	28-2	1835	Thu	Polish intel.	FSK 100/200	(AB)
F03c	8800	1-2	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	1-2	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	4-2	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	4-2	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	8-2	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	8-2	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	11-2	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	11-2	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	15-2	0940	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	15-2	0945	Fri	Polish Intel.	FSK 400/960	(AB)
F03c	8800	18-2	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	18-2	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	25-2	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	8800	25-2	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F06	17434	2-2	1100	Sat	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB-RUS/MPJ)
F06	15625	2-2	1110	Sat	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB/MPJ)
F06	13496	2-2	1120	Sat	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB/MPJ)
F06	22878	2-2	1500	Sat	Russian diplo/intel. 11166 40133 78963 02001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)
F06	20216	2-2	1510	Sat	Russian diplo/intel. 11166 40133 78963 02001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)
F06	19253	2-2	1520	Sat	Russian diplo/intel. 11166 40133 78963 02001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)
F06	17434	3-2	1100	Sun	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB-RUS/MPJ)
F06	15625	3-2	1110	Sun	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB/MPJ)
F06	13496	3-2	1120	Sun	Russian diplo/intel. Header: 11166 50046 47381 01070 00829	FSK 200/1000	(AB/MPJ)
F06	13464	3-2	1530	Sun	Russian diplo/intel. 11166 10053 13579 03001 00049 00000 00000 0000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	11548	3-2	1540	Sun	Russian diplo/intel. 11166 10053 13579 03001 00049 00000 00000 0000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	9323	3-2	1550	Sun	Russian diplo/intel. 11166 10053 13579 03001 00049 00000 00000 0000 00000	FSK 200/1000	(AB/MPJ-RUS)
F06	13374	5-2	1650	Tue	Russian diplo/intel. 11166 10053 17935 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	11165	5-2	1700	Tue	Russian diplo/intel. 11166 10053 17935 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	9219	5-2	1710	Tue	Russian diplo/intel. 11166 10053 17935 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	20070	6-2	0600	Wed	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)
F06	18291	6-2	0610	Wed	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)
F06	16071	6-2	0620	Wed	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)
F06	18923	6-2	0800	Wed	Russian diplo/intel. 11166 70048 90623 06059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17414	6-2	0810	Wed	Russian diplo/intel. 11166 70048 90623 06059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14949	6-2	0820	Wed	Russian diplo/intel. 11166 70048 90623 06059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20070	7-2	0600	Thu	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)

<b>F06</b>	18291	7-2	0610	Thu	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)
<b>F06</b>	16071	7-2	0620	Thu	Russian diplo/intel. Header: 11166 40122 76329 02016 03779	FSK 200/1000	(AB-J)
<b>F06</b>	14983	7-2	1330	Thu	Russian diplo/intel. 11166 80214 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	12196	7-2	1340	Thu	Russian diplo/intel. 11166 80214 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9917	7-2	1350	Thu	Russian diplo/intel. 11166 80214 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	22878	9-2	1500	Sat	Russian diplo/intel. 11166 40133 17935 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
<b>F06</b>	20216	9-2	1510	Sat	Russian diplo/intel. 11166 40133 17935 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
<b>F06</b>	18253	9-2	1520	Sat	Russian diplo/intel. 11166 40133 17935 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS/RL)
<b>F06</b>	13464	10-2	1530	Sun	Russian diplo/intel. 11166 10053 79513 10012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	11548	10-2	1540	Sun	Russian diplo/intel. 11166 10053 79513 10012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	9323	10-2	1550	Sun	Russian diplo/intel. 11166 10053 79513 10012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	7652	12-2	0040	Tue	Russian diplo/intel. 11166 60070 96325 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	13374	12-2	1650	Tue	Russian diplo/intel. 11166 10053 23657 12069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	11165	12-2	1700	Tue	Russian diplo/intel. 11166 10053 23657 12069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	9219	12-2	1710	Tue	Russian diplo/intel. 11166 10053 17935 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	18291	13-2	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 53692 09017 02569 and 11166 40122 47625 09018 03129	FSK 200/1000	(AB-J)
<b>F06</b>	16071	13-2	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 53692 09017 02569 and 11166 40122 47625 09018 03129	FSK 200/1000	(AB-J)
<b>F06</b>	18923	13-2	0800	Wed	Russian diplo/intel. 11166 70048 90623 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	17414	13-2	0810	Wed	Russian diplo/intel. 11166 70048 90623 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	14949	13-2	0820	Wed	Russian diplo/intel. 11166 70048 90623 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	18291	14-2	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 53692 09017 02569 and 11166 40122 47625 09018 03129	FSK 200/1000	(AB-J)
<b>F06</b>	16071	14-2	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 53692 09017 02569 and 11166 40122 47625 09018 03129	FSK 200/1000	(AB-J)
<b>F06</b>	20868	14-2	0900	Thu	Russian diplo/intel. Header: 11166 00052 45896 09036 02669	FSK 200/1000	(AB-RUS)
<b>F06</b>	18691	14-2	0910	Thu	Russian diplo/intel. Header: 11166 00052 45896 09036 02669	FSK 200/1000	(AB-RUS)
<b>F06</b>	16253	14-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 45896 09036 02669	FSK 200/1000	(AB)
<b>F06</b>	14983	14-2	1330	Thu	Russian diplo/intel. 11166 80214 15963 14023 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	12196	14-2	1340	Thu	Russian diplo/intel. 11166 80214 15963 14023 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9917	14-2	1350	Thu	Russian diplo/intel. 11166 80214 15963 14023 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	17434	16-2	1100	Sat	Russian diplo/intel. 11166 50046 74185 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	15625	16-2	1110	Sat	Russian diplo/intel. 11166 50046 74185 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	13496	16-2	1120	Sat	Russian diplo/intel. 11166 50046 74185 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	22878	16-2	1500	Sat	Russian diplo/intel. 11166 40133 97531 16038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)
<b>F06</b>	20216	16-2	1510	Sat	Russian diplo/intel. 11166 40133 97531 16038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)



F06	18253	16-2	1520	Sat	Russian diplo/intel. 11166 40133 97531 16038 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ-RUS)
F06	13464	17-2	1530	Sun	Russian diplo/intel. 11166 10053 17935 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11548	17-2	1540	Sun	Russian diplo/intel. 11166 10053 17935 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9323	17-2	1550	Sun	Russian diplo/intel. 11166 10053 17935 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6866	18-2	0500	Mon	Russian diplo/intel. 11166 70059 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5326	18-2	0510	Mon	Russian diplo/intel. 11166 70059 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4616	18-2	0520	Mon	Russian diplo/intel. 11166 70059 17935 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7652	19-2	0040	Tue	Russian diplo/intel. 11166 60070 78963 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5743	19-2	0050	Tue	Russian diplo/intel. 11166 60070 78963 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13374	19-2	1650	Tue	Russian diplo/intel. 11166 10053 13579 19001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	11165	19-2	1700	Tue	Russian diplo/intel. 11166 10053 13579 19001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9219	19-2	1710	Tue	Russian diplo/intel. 11166 10053 13579 19001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	20072	20-2	0600	Wed	Russian diplo/intel. 11166 40122 12895 20092 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	18291	20-2	0610	Wed	Russian diplo/intel. 11166 40122 12895 20092 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	16071	20-2	0620	Wed	Russian diplo/intel. 11166 40122 12895 20092 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	18923	20-2	0800	Wed	Russian diplo/intel. 11166 70048 13794 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17414	20-2	0810	Wed	Russian diplo/intel. 11166 70048 13794 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14949	20-2	0820	Wed	Russian diplo/intel. 11166 70048 13794 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14983	21-2	1330	Thu	Russian diplo/intel. 11166 80214 15963 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12196	21-2	1340	Thu	Russian diplo/intel. 11166 80214 15963 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9917	21-2	1350	Thu	Russian diplo/intel. 11166 80214 15963 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	22878	23-2	1500	Sat	Russian diplo/intel. 11166 40133 35798 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	20216	23-2	1510	Sat	Russian diplo/intel. 11166 40133 35798 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	18253	23-2	1520	Sat	Russian diplo/intel. 11166 40133 35798 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	13464	24-2	1530	Sun	Russian diplo/intel. 11166 10053 13579 24065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11548	24-2	1540	Sun	Russian diplo/intel. 11166 10053 13579 24065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9323	24-2	1550	Sun	Russian diplo/intel. 11166 10053 13579 24065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7652	26-2	0040	Tue	Russian diplo/intel. 11166 60070 14279 25076 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5743	26-2	0050	Tue	Russian diplo/intel. 11166 60070 14279 25076 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13374	26-2	1650	Tue	Russian diplo/intel. 11166 10053 78963 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	11165	26-2	1700	Tue	Russian diplo/intel. 11166 10053 78963 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	9219	26-2	1710	Tue	Russian diplo/intel. 11166 10053 78963 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	18291	27-2	0610	Wed	Russian diplo/intel. Header: 11166 40122 89652 23019 04179	FSK 200/1000	(AB-J)
F06	16071	27-2	0620	Wed	Russian diplo/intel. Header: 11166 40122 89652 23019 04179	FSK 200/1000	(AB-J)
F06	18923	27-2	0800	Wed	Russian diplo/intel. 11166 70048 61293 27084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17414	27-2	0810	Wed	Russian diplo/intel. 11166 70048 61293 27084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14949	27-2	0820	Wed	Russian diplo/intel. 11166 70048 61293 27084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20868	27-2	0900	Wed	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB-RUS)
F06	18691	27-2	0910	Wed	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB-RUS)
F06	16253	27-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB)

<b>F06</b>	20739	27-2	1015	Wed	Russian diplo/intel. 11166 10031 52369 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	17539	27-2	1025	Wed	Russian diplo/intel. 11166 10031 52369 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	15644	27-2	1035	Wed	Russian diplo/intel. 11166 10031 52369 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	18291	28-2	0610	Thu	Russian diplo/intel. Header: 11166 40122 89652 23019 04179	FSK 200/1000	(AB-J)
<b>F06</b>	16071	28-2	0620	Thu	Russian diplo/intel. Header: 11166 40122 89652 23019 04179	FSK 200/1000	(AB-J)
<b>F06</b>	20868	28-2	0900	Thu	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB-RUS)
<b>F06</b>	18691	28-2	0910	Thu	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB-RUS)
<b>F06</b>	16253	28-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 24381 26037 01669	FSK 200/1000	(AB)
<b>F06</b>	14983	28-2	1330	Thu	Russian diplo/intel. 11166 80214 15796 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
<b>F06</b>	12196	28-2	1340	Thu	Russian diplo/intel. 11166 80214 15796 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9917	28-2	1350	Thu	Russian diplo/intel. 11166 80214 15796 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>G06</b>	5320	4-2	0800	Mon	329 329 329 00000	USB	(AB)
<b>G06</b>	3619	4-2	1608	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3619	4-2	1613	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3619	4-2	1620	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	3619	4-2	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	3619	4-2	1704	Mon	111 111 111	USB	(AB)
<b>G06</b>	4528	4-2	1800	Mon	145 145 145 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	4897	6-2	1200	Wed	145 145 145 00000	USB	(AB-POL/MPJ-AUT)
<b>G06</b>	4034	6-2	1300	Wed	145 145 145 00000	USB	(AB-POL/MPJ-CZE)
<b>G06</b>	3619	11-2	1654	Mon	5 00000, Windows sound, tune, 145 145	USB	(AB)
<b>G06</b>	3619	11-2	1701	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	3619	11-2	1711	Mon	145 145 145 0	USB	(AB)
<b>G06</b>	4528	11-2	1800	Mon	145 145 145 00000	USB	(MPJ)
<b>G06</b>	4897	13-2	1200	Wed	145 145 145 00000	USB	(AB-POL)
<b>G06</b>	4034	13-2	1301	Wed	145 145 145 00000 Late start	USB	(AB-POL/MPJ)
<b>G06</b>	4533	14-2	1830	Thu	271 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000	USB	(AB/MPJ)
<b>G06</b>	4792	15-2	1930	Fri	436 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/MPJ)
<b>G06</b>	5320	18-2	0806	Mon	Late start. 329 stopped for 15 seconds, then 329 (R5) then 00 329 329 0000000	USB	(AB)
<b>G06</b>	4460	21-2	1300	Thu	329 329 329 00000	USB	(AB-RUS)
<b>G06</b>	4519	21-2	1830	Thu	271 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000 Windows shut down sound	USB	(AB/MPJ/BW3-HOL)
<b>HM01</b>	11635	1-2	1800	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
<b>HM01</b>	10715	1-2	2158	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RL)
<b>HM01</b>	11435	2-2	1600	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
<b>HM01</b>	9065	3-2	0800	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
<b>HM01</b>	9240	3-2	0900	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
<b>HM01</b>	9155	3-2	1000	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)



HM01	11435	3-2	1600	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	9155	4-2	1000	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	4-2	1600	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11530	4-2	1702	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(BW3)
HM01	10715	4-2	2158	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RL)
HM01	11530	5-2	1700	Tue	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	9065	6-2	0800	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9240	6-2	0900	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9155	6-2	1000	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	6-2	1600	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	10715	6-2	2227	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(HS)
HM01	11435	7-2	1600	Thu	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2/BW3)
HM01	16180	7-2	2058	Thu	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RL)
HM01	17480	7-2	2158	Thu	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RL)
HM01	9065	8-2	0800	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11635	8-2	1800	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11435	9-2	1559	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(BW3)
HM01	11435	9-2	1600	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11530	9-2	1700	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(BW3)
HM01	16180	9-2	2058	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RL)
HM01	9065	10-2	0800	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9240	10-2	0900	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	10-2	1600	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	9330	11-2	0658	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9240	11-2	0858	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9155	11-2	1000	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	11-2	1600	Mon	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11435	12-2	1600	Tue	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	9065	13-2	0800	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9240	13-2	0900	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9155	13-2	1000	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	13-2	1600	Wed	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11435	14-2	1600	Thu	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2/BW3)
HM01	9240	15-2	0900	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	15-2	1600	Fri	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	11435	16-2	1600	Sat	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)
HM01	9330	17-2	0700	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9065	17-2	0800	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	9240	17-2	0900	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(AB)
HM01	11435	17-2	1600	Sun	66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan)	AM/RDFT	(RR2)

HM01	9330	18-2	0658	Mon	24077 46156 11518 83881 28551 23032 Files: 87752407.TXT 50504615.F1C 67861151.TXT 22748388.TXT 76652855.TXT 47352303.TXT	AM/RDFT	(AB)
HM01	9240	18-2	0858	Mon	24077 46156 11518 83881 28551 23032	AM/RDFT	(AB)
HM01	11435	18-2	1600	Mon	24078 46157 55101 83882 28552 23033	AM/RDFT	(RR2/DE/Ret)
HM01	11530	18-2	1658	Mon	24078 46157 55101 83882 28552 23033	AM/RDFT	(AB-USA/MDK2)
HM01	11435	19-2	1600	Tue	18251 46158 55101 83883 28553 23034	AM/RDFT	(RR2/DE)
HM01	9330	20-2	0658	Wed	18251 46158 55101 83883 28553 23034	AM/RDFT	(AB)
HM01	9065	20-2	0758	Wed	18251 46158 55101 83883 28553 23034	AM/RDFT	(AB)
HM01	9240	20-2	0858	Wed	18251 46158 55101 83883 28553 23034	AM/RDFT	(AB)
HM01	9155	20-2	0958	Wed	18251 46158 55101 83883 28553 23034	AM/RDFT	(AB)
HM01	11435	20-2	1600	Wed	18251 46159 55102 83884 28554 23035	AM/RDFT	(RR2/DE)
HM01	11435	21-2	1600	Thu	18252 65311 55103 83885 28555 23036	AM/RDFT	(RR2)
HM01	9330	22-2	0700	Fri	18252 65311 55103 83885 28555 23036	AM/RDFT	(AB)
HM01	11435	22-2	1600	Fri	18253 65311 55104 83886 28556 23037	AM/RDFT	(RR2)
HM01	11435	23-2	1600	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9330	24-2	0700	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9065	24-2	0800	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9240	24-2	0900	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	24-2	1600	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9330	25-2	0658	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9240	25-2	0858	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	25-2	1600	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	26-2	1600	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11530	26-2	1658	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(BW3)
HM01	9240	27-2	0858	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9155	27-2	0958	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	27-2	1600	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	28-2	1600	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	28-2	2058	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	16180	28-2	2158	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb) Switched to 17480 kHz at 2204 UTC	AM/RDFT	(RL)
HM01	17480	28-2	2204	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb) Came from 16180 kHz	AM/RDFT	(RL)
M01	5810	2-2	1500	Sat	197 317 317 30 30 = = 20126 52164 68511 ... 92296 37840 39290 (39209) = = 317 30 30 0 0 0	CW	(MPJ)
M01	5465	3-2	0700	Sun	197 131 131 30 30 = = 09919 32434 15670 ... 77183 77755 02071 = = 131 131 30 30 000	CW	(AB)
M01	5320	5-2	1800	Tue	197 914 914 30 30 = = = 78747 09526 54583 ... 77169 18064 (?) 38855 (?) = = = 914 914 30 30 000	CW	(MPJ)
M01	4490	5-2	2000	Tue	197 931 931 30 30 = = = 22981? 81182 48887 ... VVVs ... _4931 44329 6_0__ ... = 931 931 30 30 000	CW	(MPJ)
M01	5320	7-2	1800	Thu	197 282 282 30 30 = = 73777 00974 83429 ... 73654 78653 13215 = = 282 282 30 30 000	CW	(MPJ)
M01	2470	7-2	1932	Thu	Carrier present-no traffic heard //3545 kHz	MCW	(MPJ)

<b>M01</b>	3545	7-2	1932	Thu	Carrier present-no traffic heard //2470 kHz	MCW	(MPJ)
<b>M01</b>	4490	7-2	2000	Thu	197 145 145 30 30 == 67414 64935 57809 ... 49897 38448 45691 == 145 145 30 30 000	CW	(MPJ)
<b>M01</b>	5810	9-2	1500	Sat	197 764 764 30 30 == == 54351 48602 57494 ... 38153 61027 35699 == == 764 764 30 30 000	CW	(AB-RUS/MPJ)
<b>M01</b>	5465	10-2	0700	Sun	197 = 741 741 = 30 30 == 47724 62128 90239 ... 56799 36550 96156 741 741 = 30 30 000	CW	(AB)
<b>M01</b>	5320	12-2	1800	Tue	197 062 062 30 30 == 24554 22301 96310 ... 98711 18201 60935 == 062 062 30 30 000	CW	(MPJ)
<b>M01</b>	4490	12-2	2000	Tue	197 961 961 30 30 == 75847 10021 55090 ... 65777 41047 78144 == 961 961 30 30 000	CW	(MPJ)
<b>M01</b>	5320	14-2	1800	Thu	VVV at 1743z. 197 554 554 30 30 == 43879 34964 50640 23885 ... 17478 08484 17913 (17912) == 554 554 30 30 000	CW	(AB/MPJ)
<b>M01</b>	2470	14-2	1932	Thu	Too weak to copy //3545 kHz	MCW	(MPJ)
<b>M01</b>	3545	14-2	1932	Thu	Too weak to copy //2470 kHz	MCW	(MPJ)
<b>M01</b>	5465	17-2	0700	Sun	197 778 778 30 30 == == 68219 91129 97289 47022 ... 19781 84846 75318 == = 778 778 30 30 000	CW	(AB)
<b>M01</b>	5320	19-2	1800	Tue	197 147 147 = 30 30 == 88967 87022 00146 ... 38610 73383 08132 - - 147 147 = 30 30 000	CW	(MPJ)
<b>M01</b>	4490	19-2	2000	Tue	197 30 5 30 5 (305 305) = 30 30 == 68858 51099 77410 ... 85704 78216 09191 = = 30 5 30 5 = 30 30 000	CW	(MPJ)
<b>M01</b>	5320	21-2	1800	Thu	197 291 291 30 30 == == 22409 94766 (94776) 66432 ... 67030 44143 32350 = = = 291 291 30 30 000	CW	(MPJ-HOL)
<b>M01</b>	4490	21-2	2000	Thu	197 276 276 30 30 == = 40360 45741 93172 ... 97310 56890 44983 = = = 276 276 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5810	23-2	1500	Sat	197 561 561 = 30 30 == 36059 81172 59915 ... 48000 18230 53944 = = 561 561 = 30 30 000. With errors	CW	(MPJ)
<b>M01</b>	5465	24-2	0700	Sun	197 521 521 30 30 == 50415 85319 29811 ... 46426 13710 80543 = = 521 521 30 30 000	CW	(AB)
<b>M01</b>	5320	26-2	1800	Tue	197 721 721 30 30 == 72448 30634 08173 ... 80383 36098 38216 = = 721 721 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4490	26-2	2000	Tue	197 171 171 30 30 == 78994 4197 72834 ... 93450 13101 94631 = = 171 171 30 30 000 Errors in the msg	CW	(AB/MPJ)
<b>M01</b>	5320	28-2	1800	Thu	197 273 273 30 30 == 00636 41934 92385 ... 72780 42670 22120 = = 273 273 30 30 000	CW	(AB/MPJ)
<b>M01</b>	4490	28-2	2000	Thu	197 669 669 30 30 == 07464 04875 82127 ... 95707 42661 75190 = = 669 669 30 30 000	CW	(AB/MPJ)
<b>M01a</b>	2470	21-2	1932	Thu	910 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3545 kHz	MCW	(MPJ)
<b>M01a</b>	2470	21-2	1932	Thu	910 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3545 kHz	MCW	(MPJ)
<b>M01a</b>	3545	21-2	1932	Thu	910 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2470 kHz	MCW	(MPJ)
<b>M01a</b>	3545	21-2	1932	Thu	910 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2470 kHz	MCW	(MPJ)
<b>M01b</b>	2655	1-2	2002	Fri	866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3195 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3195	1-2	2002	Fri	866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2655 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	4-2	1932	Mon	Callup & pbl missed ... 66762 17780 03503 ...	MCW	(MPJ)
<b>M01b</b>	3205	4-2	2015	Mon	375 389 33 = 33 = 12103 56578 56397 ... (faded) 10967 68447 38113 ... __562 = = 389 389 33 33 000	MCW	(MPJ-HOL)
<b>M01b</b>	2655	8-2	2002	Fri	866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3195 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2655	8-2	2002	Fri	866 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3195 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3195	8-2	2002	Fri	866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2655 kHz	MCW	(MPJ-HOL)

<b>M01b</b>	3195	8-2	2002	Fri	866 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2655 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2435	11-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	11-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3205	11-2	2015	Mon	Too weak to copy	MCW	(MPJ-HOL)
<b>M01b</b>	2435	18-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	18-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3205	18-2	2015	Mon	375 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000	MCW	(MPJ-HOL)
<b>M01b</b>	2435	25-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3520 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	25-2	1910	Mon	853 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2435 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	2425	25-2	2015	Mon	375 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //3205 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3205	25-2	2015	Mon	375 389 389 33 = 33 = 12103 56578 56397 ... 98281 00317 12662 = = 389 389 33 33 000 //2525 kHz	MCW	(MPJ-HOL)
<b>M08a</b>	8096	1-2	1354	Fri	ATGRN DNWTN UWTNN followed by 3 messages	CW	(AB-USA/SDX)
<b>M08a</b>	8096	4-2	1354	Mon	3FG messages	CW	(SDX)
<b>M08a</b>	8096	5-2	1354	Tue	3FG messages	CW	(SDX)
<b>M08a</b>	8096	7-2	1354	Thu	3FG messages	CW	(SDX)
<b>M08a</b>	8096	8-2	1354	Fri	3FG messages	CW	(SDX)
<b>M08a</b>	8096	11-2	1354	Mon	RGDAA INIDA GUARN followed by 3 messages	CW	(AB-USA/SDX)
<b>M08a</b>	8096	12-2	1354	Tue	RUWWA IIGGA GTNAN followed by 3 messages	CW	(AB-USA/SDX)
<b>M08a</b>	8096	13-2	1354	Wed	3FG messages	CW	(SDX)
<b>M08a</b>	8096	14-2	1354	Thu	3FG messages	CW	(SDX)
<b>M08a</b>	8096	15-2	1357	Fri	3FG messages	CW	(SDX)
<b>M08a</b>	8096	18-2	1354	Mon	3FG messages	CW	(SDX)
<b>M08a</b>	8096	20-2	1354	Wed	3FG messages	CW	(SDX)
<b>M08a</b>	8096	21-2	1356	Thu	NGITN DNADA WWWWN followed by 3 messages	CW	(AB-USA/SDX)
<b>M08a</b>	8096	22-2	1311	Fri	Startup then stopped	CW	(SDX)
<b>M08a</b>	8096	22-2	1354	Fri	3FG messages	CW	(SDX)
<b>M08a</b>	8096	25-2	1354	Mon	3FG messages	CW	(SDX)
<b>M12</b>	14489	1-2	1310	Fri	441 441 441 000	CW	(HFD)
<b>M12</b>	13489	1-2	1330	Fri	441 441 441 000	CW	(HFD)
<b>M12</b>	6941	1-2	2050	Fri	986 986 986 000	CW	(AB/RL/HFD)
<b>M12</b>	5841	1-2	2110	Fri	986 986 986 000	CW	(AB/RL/HFD)
<b>M12</b>	13369	3-2	1010	Sun	369 369 269 000	CW	(AB)
<b>M12</b>	14669	3-2	1030	Sun	369 369 269 000	CW	(AB)
<b>M12</b>	13362	4-2	1400	Mon	353 353 353 000	CW	(AB)
<b>M12</b>	11562	4-2	1420	Mon	353 353 353 000	CW	(AB)
<b>M12</b>	8047	4-2	1800	Mon	463 463 463 1 9042 97 9042 97 02151 13656 99363 ... 24068 78577 78879 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	4-2	1820	Mon	463 463 463 1 9042 97 9042 97 02151 13656 99363 ... 24068 78577 78879 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	4-2	1840	Mon	463 463 463 1 9042 97 9042 97 02151 13656 99363 ... 24068 78577 78879 000 000	CW	(AB/MPJ)
<b>M12</b>	9264	4-2	2200	Mon	124 1 7800 104 10967 68447 38113 ...	CW	(MPJ-HOL)
<b>M12</b>	6937	4-2	2210	Mon	975 975 975 000	CW	(RL)

M12	14489	6-2	1310	Wed	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ/HFD)
M12	13489	6-2	1330	Wed	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ/HFD)
M12	12189	6-2	1350	Wed	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ/HFD)
M12	13362	6-2	1400	Wed	353 353 353 000	CW	(AB/MPJ)
M12	11562	6-2	1420	Wed	353 353 353 000	CW	(AB/MPJ)
M12	6941	6-2	2050	Wed	986 986 986 000	CW	(AB)
M12	5841	6-2	2110	Wed	986 986 986 000	CW	(AB)
M12	13369	7-2	1010	Thu	369 1	CW	(HFD)
M12	14669	7-2	1030	Thu	369 1	CW	(HFD)
M12	15969	7-2	1050	Thu	369 1	CW	(HFD)
M12	6937	7-2	2210	Thu	975 975 975 000	CW	(RL)
M12	5737	7-2	2230	Thu	975 975 975 000	CW	(RL)
M12	14489	8-2	1310	Fri	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ)
M12	13489	8-2	1330	Fri	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ)
M12	12189	8-2	1350	Fri	441 441 441 1 143 18 143 18 86135 81289 94988 ... 61477 46242 77575 000 000	CW	(AB/MPJ)
M12	6941	8-2	2050	Fri	986 986 986 000	CW	(AB)
M12	5841	8-2	2110	Fri	986 986 986 000	CW	(AB)
M12	7637	9-2	0600	Sat	612 612 612 000	CW	(AB)
M12	9137	9-2	0620	Sat	612 612 612 000	CW	(AB)
M12	5832	9-2	2200	Sat	887 887 887 1 3385 85 3385 85 56672 67889 14993 ... 92645 89581 53824 000 000	CW	(AB/RL)
M12	6832	9-2	2220	Sat	887 887 887 1 3385 85 3385 85 56672 67889 14993 ... 92645 89581 53824 000 000	CW	(AB/RL)
M12	7732	9-2	2240	Sat	887 887 887 1 3385 85 3385 85 56672 67889 14993 ... 92645 89581 53824 000 000	CW	(AB/RL)
M12	13369	10-2	1010	Sun	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	14669	10-2	1030	Sun	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	15969	10-2	1050	Sun	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	13362	11-2	1400	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	11562	11-2	1420	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	10362	11-2	1440	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	8047	11-2	1800	Mon	463 463 463 1 7085 99 7085 99 83022 68641 13153 ... 79347 50168 30415 000 000	CW	(AB/MPJ)
M12	6802	11-2	1820	Mon	463 463 463 1 7085 99 7085 99 83022 68641 13153 ... 79347 50168 30415 000 000	CW	(AB/MPJ)
M12	5788	11-2	1840	Mon	463 463 463 1 7085 99 7085 99 83022 68641 13153 ... 79347 50168 30415 000 000	CW	(AB/MPJ)
M12	10343	11-2	2000	Mon	124 124 124 1 6162 108 6162 108 33705 66095 70542 ... 85167 36396 67347 000 000	CW	(AB-RUS/MPJ)
M12	9264	11-2	2020	Mon	124 124 124 1 6162 108 6162 108 33705 66095 70542 ... 85167 36396 67347 000 000	CW	(AB/MPJ)
M12	8116	11-2	2040	Mon	124 124 124 1 6162 108 6162 108 33705 66095 70542 ... 85167 36396 67347 000 000	CW	(AB/MPJ)
M12	6937	11-2	2210	Mon	975 975 975 000	CW	(RL)
M12	5737	11-2	2230	Mon	975 975 975 000	CW	(RL)
M12	14489	13-2	1310	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	13489	13-2	1330	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	12189	13-2	1350	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	13362	13-2	1400	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ/HFD)



M12	11562	13-2	1420	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ/HFD)
M12	10362	13-2	1440	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ/HFD)
M12	6941	13-2	2050	Wed	986 986 986 000	CW	(AB)
M12	5841	13-2	2110	Wed	986 986 986 000	CW	(AB)
M12	5429	13-2	2200	Wed	460 460 460 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	4629	13-2	2220	Wed	460 460 460 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	4029	13-2	2240	Wed	460 460 460 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	13369	14-2	1010	Thu	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	14669	14-2	1030	Thu	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	15969	14-2	1050	Thu	369 369 369 1 7766 42 7766 42 24859 19006 85328 ... 75917 17356 53404 000 000	CW	(AB)
M12	6937	14-2	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	14-2	2230	Thu	975 975 975 000	CW	(AB)
M12	14489	15-2	1310	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	13489	15-2	1330	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	12189	15-2	1350	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	6941	15-2	2050	Fri	986 986 986 000	CW	(AB)
M12	5841	15-2	2110	Fri	986 986 986 000	CW	(AB)
M12	5832	15-2	2200	Fri	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	6832	15-2	2220	Fri	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	7732	15-2	2240	Fri	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	7637	16-2	0600	Sat	612 612 612 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	9137	16-2	0620	Sat	612 612 612 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	10237	16-2	0640	Sat	612 612 612 1 637 67 637 67 94527 21035 40191 ... 05597 07336 37007 000 000	CW	(AB)
M12	5832	16-2	2200	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	6832	16-2	2220	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	7732	16-2	2240	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	13362	18-2	1400	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	11562	18-2	1420	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	10362	18-2	1440	Mon	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	8047	18-2	1800	Mon	463 463 463 1 733 27 733 27 33661 80901 44687 ... 75796 84890 21188 000 000	CW	(AB/MPJ)
M12	6802	18-2	1820	Mon	463 463 463 1 733 27 733 27 33661 80901 44687 ... 75796 84890 21188 000 000	CW	(AB/MPJ)
M12	5788	18-2	1840	Mon	463 463 463 1 733 27 733 27 33661 80901 44687 ... 75796 84890 21188 000 000	CW	(AB/MPJ)
M12	10343	18-2	2000	Mon	124 124 124 1 1010 102 1010 102 80071 63899 12837 ... 81739 17047 17960 000 000	CW	(AB-RUS/MPJ)
M12	9264	18-2	2020	Mon	124 124 124 1 1010 102 1010 102 80071 63899 12837 ... 81739 17047 17960 000 000	CW	(AB/MPJ)
M12	8116	18-2	2040	Mon	124 124 124 1 1010 102 1010 102 80071 63899 12837 ... 81739 17047 17960 000 000	CW	(AB)
M12	6937	18-2	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	18-2	2230	Mon	975 975 975 000	CW	(AB)
M12	14489	20-2	1310	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	13489	20-2	1330	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)
M12	12189	20-2	1350	Wed	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(AB/MPJ)

M12	13362	20-2	1400	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	11562	20-2	1420	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	10362	20-2	1440	Wed	353 353 353 1 428 98 428 98 79849 24450 09976 ... 41179 84006 74632 000 000	CW	(AB/MPJ)
M12	6941	20-2	2050	Wed	986 986 986 000	CW	(AB)
M12	5841	20-2	2110	Wed	986 986 986 000	CW	(AB)
M12	5429	20-2	2200	Wed	460 460 460 000	CW	(AB/HFD)
M12	4629	20-2	2220	Wed	460 460 460 000	CW	(AB/HFD)
M12	13369	21-2	1010	Thu	369 369 369 1 214 88 214 88 04960 34189 69305 ... 21401 80140 22107 000 000	CW	(AB)
M12	14669	21-2	1030	Thu	369 369 369 1 214 88 214 88 04960 34189 69305 ... 21401 80140 22107 000 000	CW	(AB)
M12	15969	21-2	1050	Thu	369 369 369 1 214 88 214 88 04960 34189 69305 ... 21401 80140 22107 000 000	CW	(AB)
M12	6937	21-2	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	21-2	2230	Thu	975 975 975 000	CW	(AB)
M12	14489	22-2	1310	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(MPJ)
M12	13489	22-2	1330	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(MPJ)
M12	12189	22-2	1350	Fri	441 441 441 1 6107 20 6107 20 43823 22290 94025 ... 24799 09126 69544 000 000	CW	(MPJ)
M12	6941	22-2	2050	Fri	986 986 986 000	CW	(AB)
M12	5841	22-2	2110	Fri	986 986 986 000	CW	(AB)
M12	7637	23-2	0600	Sat	612 612 612 000	CW	(AB)
M12	9137	23-2	0620	Sat	612 612 612 000	CW	(AB)
M12	5832	23-2	2200	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	6832	23-2	2220	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	7732	23-2	2240	Sat	887 887 887 1 6087 200 6087 200 09365 23436 89011 ... 62254 24653 53018 000 000	CW	(AB)
M12	13362	25-2	1400	Mon	353 353 353 000	CW	(AB/MPJ)
M12	11562	25-2	1420	Mon	353 353 353 000	CW	(AB/MPJ)
M12	8047	25-2	1800	Mon	463 463 463 1 3488 91 3488 91 05873 48185 08866 ... 78221 47986 95747 000 000	CW	(AB/MPJ)
M12	6802	25-2	1820	Mon	463 463 463 1 3488 91 3488 91 05873 48185 08866 ... 78221 47986 95747 000 000	CW	(AB/MPJ)
M12	5788	25-2	1840	Mon	463 463 463 1 3488 91 3488 91 05873 48185 08866 ... 78221 47986 95747 000 000	CW	(AB/MPJ)
M12	10343	25-2	2000	Mon	124 124 124 1 1155 107 1155 107 13667 97189 51707 ... 71914 05666 96771 000 000	CW	(AB)
M12	9264	25-2	2020	Mon	124 124 124 1 1155 107 1155 107 13667 97189 51707 ... 71914 05666 96771 000 000	CW	(AB)
M12	8116	25-2	2040	Mon	124 124 124 1 1155 107 1155 107 13667 97189 51707 ... 71914 05666 96771 000 000	CW	(AB)
M12	6937	25-2	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	25-2	2230	Mon	975 975 975 000	CW	(AB)
M12	14489	27-2	1310	Wed	441 441 441 000	CW	(AB/MPJ)
M12	13489	27-2	1330	Wed	441 441 441 000	CW	(AB/MPJ)
M12	13362	27-2	1400	Wed	353 353 353 000	CW	(AB/MPJ)
M12	11562	27-2	1420	Wed	353 353 353 000	CW	(AB/MPJ)
M12	5429	27-2	2200	Wed	460 460 460 1 6655 113 6655 113 55967 28487 61629 ... 01096 55296 97401 000 000	CW	(AB)
M12	4629	27-2	2220	Wed	460 460 460 1 6655 113 6655 113 55967 28487 61629 ... 01096 55296 97401 000 000	CW	(AB)
M12	4029	27-2	2240	Wed	460 460 460 1 6655 113 6655 113 55967 28487 61629 ... 01096 55296 97401 000 000	CW	(AB)
M12	6937	28-2	2210	Thu	975 975 975 000	CW	(RL)

<b>M12</b>	5737	28-2	2230	Thu	975 975 975 000	CW	(RL)
<b>M14</b>	4813	1-2	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
<b>M14</b>	4480	1-2	2000	Fri	735 735 735 00000	MCW	(AB/MPJ)
<b>M14</b>	4730	2-2	0800	Sat	523 568 568 45 45 == 56756 34534 25456 ... 80976 34267 17834 == 568 568 45 45 00000	MCW	(AB)
<b>M14</b>	4650	2-2	0900	Sat	523 568 568 45 45 == 56756 34534 25456 ... 80976 34267 17834 == 568 568 45 45 00000	MCW	(AB)
<b>M14</b>	18041	4-2	0500	Mon	952 952 952 0000 Stopped, then 98458 77546 84250 44251 52362 37000 37. Restarted 952 803 803 55 55 == 98458 77546 84250 ... 29965 42093 86110 == 803 803 55 55 00000	CW	(AB-J)
<b>M14</b>	4443	5-2	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
<b>M14</b>	4730	9-2	0800	Sat	523 903 903 43 43 == 78142 35271 89356 ... 26713 33678 90351 == 903 903 43 43 00000	MCW	(AB)
<b>M14</b>	4650	9-2	0900	Sat	523 903 903 43 43 == 78142 35271 89356 ... 26713 33678 90351 == 903 903 43 43 00000	MCW	(AB)
<b>M14</b>	4636	12-2	1820	Tue	186 270 270 42 42 == 67321 45236 10946 ... 33769 56241 33781 == 270 270 42 42 00000	MCW	(MPJ)
<b>M14</b>	4761	13-2	1920	Wed	748 270 270 42 42 == 67321 45236 10946 ... 33769 56241 33781 == 270 270 42 42 00000	MCW	(AB/MPJ)
<b>M14</b>	4813	15-2	1900	Fri	735 (R4) nothing else	MCW	(AB/MPJ)
<b>M14</b>	4480	15-2	2000	Fri	735 (R4) nothing else	MCW	(AB/MPJ)
<b>M14</b>	4730	16-2	0800	Sat	523 270 270 42 42 == 67321 45236 10946 ... 33769 56241 33781 == 270 270 42 42 00000	MCW	(AB-POL)
<b>M14</b>	4650	16-2	0900	Sat	523 270 270 42 42 == 67321 45236 10946 ... 33769 56241 33781 == 270 270 42 42 00000	MCW	(AB)
<b>M14</b>	18041	18-2	0500	Mon	952 408 408 55 55 == 91893 15556 71190 ... 83758 67674 61271 == 408 408 55 55 00000	CW	(AB-J)
<b>M14</b>	4443	19-2	1600	Tue	239 (Stopped after callup, then took carrier off)	MCW	(MPJ/HFD)
<b>M14</b>	17458	25-2	0930	Mon	Two messages. 617 432 432 65 65 == 88392 52148 80762 ... and 617 894 894 50 50 == 05868 15649 42746 ...	CW	(AB)
<b>M14</b>	15994	26-2	0930	Tue	Two messages. 617 432 432 65 65 == 88392 52148 80762 ... and 617 894 894 50 50 == 05868 15649 42746 ...	CW	(AB)
<b>M14</b>	4636	26-2	1820	Tue	186 903 903 43 43 == 78142 35271 89356 ... 26713 33678 90351 == 903 903 43 43 00000	MCW	(AB/MPJ)
<b>M14</b>	4751	27-2	1920	Wed	748 903 903 43 43 == 78142 35271 89356 ... 26713 33678 90351 == 903 903 43 43 00000	MCW	(MPJ)
<b>M21</b>	4349.5	20-2	0610	Wed	=990910??0????? =990911??0????? =990912??0?????	CW	(AB-J)
<b>M22</b>	6607	20-2	1825	Wed	VVV DE 4XZ 4XZ == AR AR NW QTC 1 NR 364 == NR 364 PB V JC6M 827102 SP7I GR 05 == SISIS DKEHC AJBPW ...	CW	(AB)
<b>M22</b>	4331	27-2	1851	Wed	VVV DE 4XZ 4XZ == //6607 kHz	CW	(AB)
<b>M22</b>	6607	27-2	1851	Wed	VVV DE 4XZ 4XZ == //4331 kHz	CW	(AB)
<b>M23</b>	14100	25-2	1407	Mon	i.p. 321 (R3)	CW	(CK)
<b>M23</b>	14100	25-2	1519	Mon	254 (R12)	CW	(CK)
<b>M23</b>	14100	25-2	1728	Mon	321 (R12)	CW	(AB)
<b>M23</b>	14100	25-2	1800	Mon	254 (R14)	CW	(AB)
<b>M23</b>	14100	27-2	1036	Wed	321 (R12)	CW	(ES)
<b>M23</b>	14100	27-2	1308	Wed	123 (R12)	CW	(ES)
<b>M23</b>	14100	28-2	1253	Thu	123 (R12)	CW	(ES)
<b>M32</b>	19046	15-2	0932	Fri	XXX XXX BNS1 BNS1 7UGL 7UGL 1QRF 1QRF 9TIC 9TIC 19014 _MOTOGLAZ 1589 4492 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	0934	Fri	XXX XXX MFT5 MFT5 79170 WUZOPLAÈ 1625 4099 RWAÈOTRUP 6564 3011 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	0937	Fri	XXX XXX MFT5 MFT5 50400 SWEKRUHA 9469 5596 K //7678, 7854 kHz	CW	(AnEur)



<b>M32</b>	19046	15-2	0939	Fri	XXX XXX _ 86422 PUNIËESKIJ 4229 8560 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	0943	Fri	XXX XXX IYWN IYWN 11610 MAJOPSL 3197 8585 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	0950	Fri	XXX XXX 8BJ4 8BJ4 NGH5 NGH5 G250 G250 B64B B64B 88944 ROGOKOKK 8815 7274 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1000	Fri	XXX XXX G250 G250 04508 PIKETNYJ 8307 0206 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1005	Fri	XXX XXX CSWY CSWY 45739 KLANOHAM 8541 4505 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1020	Fri	XXX XXX G250 G250 61049 BRIZOGALL 8290 1229 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1021	Fri	XXX XXX G250 G250 22668 NERWOGIPS 9248 1703 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1021	Fri	XXX XXX G250 G250 42881 NEPOËTENIE 4159 9713 K //10553 kHz	CW	(AnEur)
<b>M32</b>	5386	15-2	1032	Fri	XXX XXX 69BV 69BV 45968 DURASHNYJ 5519 5762 K	CW	(Gwr-UKR)
<b>M32</b>	5430	15-2	1033	Fri	XXX XXX (missed callsign) 59832 MANXÉRYZM 7527 K	CW	(Gwr-UKR)
<b>M32</b>	19046	15-2	1035	Fri	XXX XXX G250 G250 79562 GEODEZIÄ 4245 6416 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1036	Fri	XXX XXX G250 G250 59989 PYVOKLAD 7215 1707 K //10553 kHz	CW	(AnEur)
<b>M32</b>	5386	15-2	1037	Fri	XXX XXX CSWY CSWY 03166 AULOKLIR 2438 4425 K	CW	(Gwr-UKR)
<b>M32</b>	19046	15-2	1040	Fri	XXX XXX G250 G250 15739 NIWELIR 1560 8044 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1043	Fri	XXX XXX CSWY CSWY 03166 AULOKLIR 2438 4425 K //10553 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1050	Fri	XXX XXX N1DX N1DX 6272 PROSTORNYJ 2983 7094 K //10553 kHz	CW	(AnEur)
<b>M32</b>	5386	15-2	1055	Fri	XXX XXX N1DX N1DX 62782 PROSTORNYJ 1983 7094 K	CW	(Gwr-UKR)
<b>M32</b>	19046	15-2	1055	Fri	___ 2782 PROSTORNYJ 2983 7094 K //7789 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1102	Fri	XXX XXX CSWY CSWY 97887 BUKSOFLIK 5817 5381 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	19046	15-2	1104	Fri	XXX XXX 94925 TROTERTYJ 1554 2055 K //7678, 7854 kHz	CW	(AnEur)
<b>M32</b>	6087.5	15-2	1340	Fri	XXX XXX 1ShchRF 1ShchRF 26756 SEKSTA 5569 6235 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1346	Fri	XXX XXX 1ShchRF 1ShchRF 38498 GUAMOTAW 8342 9671 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1348	Fri	XXX XXX 1ShchRF 1ShchRF 17796 SMORShchiWANXE 6890 6077 SALONNYJ 8384 5679 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1359	Fri	XXX XXX 1ShchRF 1ShchRF 02010 TIGROWOÄV 9951 2491 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1403	Fri	XXX XXX 1ShchRF 1ShchRF 14905 BRODORVIEW 3285 5003 SLETOLIF 6943 7600 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1417	Fri	XXX XXX MSK7 62876 SKITOCENT 1686 8864 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1423	Fri	XXX XXX MSK7 MSK7 26676 ZATYLOK 7766 2346 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1432	Fri	XXX XXX MSK7 MSK7 49581 DROKOKRÜK 4561 3635 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1434	Fri	XXX XXX MSK7 MSK7 39297 GUAMOFANG 3916 9741 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1437	Fri	XXX XXX MSK7 MSK7 96632 IRISOChAD 0998 1797 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1439	Fri	XXX XXX MSK7 MSK7 12774 WOROPLÄS 6884 3676 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1441	Fri	XXX XXX MSK7 MSK7 30112 MÄChOLARX 2184 6690 KAFOLÄÄ 3916 9741 SOZREWANXE 0998 1797 LIWANKA 6884 3676 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1444	Fri	XXX XXX MSK7 MSK7 75799 SKITANIE 7205 6863 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1446	Fri	XXX XXX MSK7 MSK7 00006 PTichKA 5768 0505 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	15-2	1456	Fri	XXX XXX 1ShchRF 1ShchRF 19898 RYNOChNYJ 8112 9079 K	CW	(Gwr-UKR)
<b>M32</b>	6087.5	27-2	1515	Wed	XXX XXX ShchMCK ShchMCK 21631 RITMOZUAV 1453 1710 K	CW	(Gwr)
<b>M32</b>	6087.5	27-2	1531	Wed	XXX XXX L9XS L9XS 91399 SMYV 9639 4833 K	CW	(Gwr)
<b>M32b</b>	8816	2-2	0912	Sat	rjf94 de 26385 qto 0901 qrd XLAA XLMD qre 1100 qbd 0500 k	CW	(WP3)
<b>M32b</b>	8816	21-2	1248	Thu	rjf94 rjc38 de 08268 qto 1237 qrd XLAA XWON qre 1720 qbd 0700 k	CW	(WP3)

<b>M32c</b>	6087.5	15-2	1240	Fri	REA4 REA4 = 15110 99900 14120 62596 74996 03101 11220 21254 71000 80000 = REA4 K	CW	(Gwr-J)
<b>M32c</b>	6087.5	15-2	1540	Fri	REA4 REA4 = 15140 99900 14150 27627 75597 82906 11200 21059 70322 885// 920// = REA4 K	CW	(Gwr-J)
<b>M42</b>	12120	4-2	0746	Mon	Russian diplo/intel i.p.	3000Bd PSK-8/MFSK-66	(AB)
<b>M42</b>	12153	28-2	1152	Thu	Russian diplo/intel.	MFSK-66	(AB)
<b>M51a</b>	3881	27-2	1853	Wed	FAV22 i.p. QRDFD DSHDS MBNFI PLEOI ZXACS FHRYE MFLRB ZXAQE URJTH 32156 ... //6825 kHz	CW	(AB)
<b>M51a</b>	6825	27-2	1853	Wed	FAV22 i.p. QRDFD DSHDS MBNFI PLEOI ZXACS FHRYE MFLRB ZXAQE URJTH 32156 ... //3881 kHz	CW	(AB)
<b>M51b</b>	3881	11-2	1444	Mon	i.p. FGDHQ ZXASQ KBFHR RTYEU CXZVB MNFHG 32568 BXAHW /.SK' LKJGH ORUTI QEWRs ... //6825 kHz	CW	(AB)
<b>M51b</b>	6825	11-2	1444	Mon	i.p. FGDHQ ZXASQ KBFHR RTYEU CXZVB MNFHG 32568 BXAHW /.SK' LKJGH ORUTI QEWRs ... //3881 kHz	CW	(AB)
<b>M51b</b>	4632	23-2	1609	Sat	i.p. ZBWHP QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628 PMLAY DGCvX WNHYE ... //5762.5 kHz	CW	(AB)
<b>M51b</b>	5762.5	23-2	1609	Sat	i.p. ZBWHP QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628 PMLAY DGCvX WNHYE ... //4632 kHz	CW	(AB)
<b>M89</b>	5920	1-2	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290	CW	(JPL)
<b>M89</b>	6840	1-2	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290	CW	(JPL)
<b>M89</b>	8290	1-2	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
<b>M89</b>	4261	1-2	1025	Fri	i.p. R 65W NN3U NN3U AR R GA K R .P 1W = 7.7N 7NNA 33AA TUN5 ...	CW	(JPL)
<b>M89</b>	7620	1-2	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	1-2	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	3156	1-2	1037	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	1-2	1037	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	5177	1-2	1040	Fri	V JKDj (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3842	1-2	1807	Fri	V 8FDH (x3) DE 5J9K (x2) //4135 sending a different round slip	CW	(JPL)
<b>M89</b>	4135	1-2	1807	Fri	V K9S3 (x3) DE Q5R2 (x2) //3842 sending a different round slip	CW	(JPL)
<b>M89</b>	4131	1-2	1810	Fri	V JKDj (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	4131	2-2	1321	Sat	V JKDj (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	3-2	1355	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	3-2	1355	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	3507	3-2	1405	Sun	i.p. U466 3UD6 A3DD U3NU 6434 III = 37U6 D6DU 5ND5 (Cont'd)	CW	(JPL)
<b>M89</b>	6913	3-2	2321	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	3-2	2321	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	3642	4-2	1458	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M89</b>	7602	4-2	1458	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M89</b>	4131	5-2	1233	Tue	V JKDj (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3842	5-2	1236	Tue	V 8FDH (x3) DE 5J9K (x2) //4135 sending a different round slip	CW	(JPL)
<b>M89</b>	4135	5-2	1236	Tue	V K9S3 (x3) DE Q5R2 (x2) //3842 sending a different round slip	CW	(JPL)
<b>M89</b>	3156	5-2	1237	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	5-2	1237	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	5774	7-2	0836	Thu	i.p. R U 1700 COMM CM0U K R R HR KP U K R HR KP U K R VV B0VR DE GJ4Z K	CW	(JPL)

M89	3156	7-2	1348	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	7-2	1348	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	7-2	1350	Thu	V 8FDH (x3) DE 5J9K (x2) //4135 sending a different round slip	CW	(JPL)
M89	4135	7-2	1350	Thu	V K9S3 (x3) DE Q5R2 (x2) //3842 sending a different round slip	CW	(JPL)
M89	4720	8-2	1330	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	8-2	1330	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	5414	8-2	1332	Fri	i.p. = N465 D6UA 36N4 4D53 7A6U NDAT 45A7 TUD7 ...	CW	(JPL)
M89	3156	8-2	1340	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	8-2	1340	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	8-2	1804	Fri	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	8-2	1804	Fri	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3842	11-2	1118	Mon	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	11-2	1118	Mon	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3156	11-2	1119	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	11-2	1119	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4860	11-2	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	11-2	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	11-2	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	4720	11-2	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	11-2	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3156	13-2	1342	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	13-2	1342	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	13-2	1344	Wed	V JKDJ (x3) DE SBWC (x2) Note: Sending SBWC vice SLBC	CW	(JPL)
M89	3842	13-2	1359	Wed	V 8FDH (x3) DE 5J9K (x2) //4135 sending a different round slip	CW	(JPL)
M89	4135	13-2	1359	Wed	V K9S3 (x3) DE Q5R2 (x2) //3842 sending a different round slip	CW	(JPL)
M89	4131	18-2	2040	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3597	18-2	2042	Mon	V 3JWV (x3) DE QH4P (x2)	CW	(JPL)
M89	3842	18-2	2044	Mon	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	18-2	2044	Mon	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3156	19-2	1934	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	19-2	1934	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	19-2	1937	Tue	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	19-2	1937	Tue	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	4131	19-2	1938	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	20-2	1822	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	20-2	1824	Wed	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	20-2	1824	Wed	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3156	20-2	1825	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	20-2	1825	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	21-2	0105	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)

M89	6913	21-2	0112	Thu	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	21-2	0112	Thu	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5920	21-2	0120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	6840	21-2	0120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
M89	10640	21-2	0120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	7620	21-2	0130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	21-2	0130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4131	21-2	1433	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	21-2	1434	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	21-2	1434	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	21-2	1435	Thu	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	21-2	1435	Thu	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	5177	22-2	1159	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	22-2	1201	Fri	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	22-2	1201	Fri	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3156	22-2	1203	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-2	1203	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	23-2	0550	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	23-2	0550	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5858	23-2	0554	Sat	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	4131	26-2	1720	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	26-2	1722	Tue	V K9S3 (x3) DE Q5R2 (x2) //4135 sending a different round slip	CW	(JPL)
M89	4135	26-2	1722	Tue	V 3D1U (x3) DE G25H (x2) //3842 sending a different round slip	CW	(JPL)
M89	3156	26-2	1730	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	26-2	1730	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5858	27-2	0024	Wed	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	6913	27-2	0925	Wed	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	27-2	0925	Wed	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	3156	28-2	1415	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	28-2	1415	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	28-2	1415	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	28-2	1418	Thu	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	28-2	1418	Thu	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	4860	28-2	1420	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	28-2	1420	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4720	28-2	1430	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	28-2	1430	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4860	28-2	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	28-2	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	28-2	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)

M89	5137	28-2	1530	Thu	V GUSG DE FJFA HR SVC GA = 887/9157/57/55/85/XZ584/X284A/7/1EEEE	CW	(JPL)
M95	5801	1-2	1042	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-2	1042	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	2-2	1328	Sat	V DKG6 DE 3A7D V DKG6 DE 3A7D VV HR SVC GA NR 017 2130 RMKS 3528 TO 3222 = CL/2200/ZBT/3528/3222 AR QSL ? HR WK NR 050 //7602	CW	(JPL)
M95	7602	2-2	1328	Sat	V DKG6 DE 3A7D V DKG6 DE 3A7D VV HR SVC GA NR 017 2130 RMKS 3528 TO 3222 = CL/2200/ZBT/3528/3222 AR QSL ? HR WK NR 050 //3642	CW	(JPL)
M95	4283	3-2	1328	Sun	XSV70 i.p. 773 357 37U 4AA MSG AGN NR 101 CK 140 35 0203 1602 ... //9153	CW	(JPL)
M95	9153	3-2	1328	Sun	XSV70 i.p. 773 357 37U 4AA MSG AGN NR 101 CK 140 35 0203 1602 ... //4283	CW	(JPL)
M95	3642	3-2	1358	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	3-2	1358	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5177	4-2	1300	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M95	3156	4-2	1313	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M95	3597	4-2	1313	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M95	3842	4-2	1315	Mon	V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip	CW	(JPL)
M95	4135	4-2	1315	Mon	V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip	CW	(JPL)
M95	5177	4-2	1458	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M95	4364	5-2	1138	Tue	BNGC DE XSV85	CW	(JPL)
M95	4243	5-2	1150	Tue	V HR MSG TO YR PSE CY NR 058 CK 32 35 0205 1526 = 5AA UTT TT5 3U6 3A4 ...	CW	(JPL)
M95	5801	5-2	1232	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-2	1232	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	7-2	0836	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-2	0836	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	7-2	1346	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	7-2	1346	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	8-2	0948	Fri	V DKG6 (x3) DE 3A7D (x2) NR 97 1730 RMKS 3528 TO 3298 = SVC QRW 3528 QRW L18 3298 1900 COMM 4058 AR QSL ? HR WK NR 150 //10180	CW	(JPL)
M95	10180	8-2	0948	Fri	V DKG6 (x3) DE 3A7D (x2) NR 97 1730 RMKS 3528 TO 3298 = SVC QRW 3528 QRW L18 3298 1900 COMM 4058 AR QSL ? HR WK NR 150 //5801	CW	(JPL)
M95	5801	11-2	1120	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	11-2	1120	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	11-2	1138	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0140 CK 222 35 0211 1536 = TAA 3U6 3AN 3U7 TAU ... //8073	CW	(JPL)
M95	8073	11-2	1138	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0140 CK 222 35 0211 1536 = TAA 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)
M95	3642	13-2	1805	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	13-2	1805	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	18-2	2046	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	18-2	2046	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	19-2	1932	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)



M95	3642	19-2	7602	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	20-2	1111	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-2	1111	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	20-2	1818	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-2	1818	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	21-2	0104	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-2	0104	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	22-2	1148	Fri	V HR MSG TO YR PSE CY NR 092 CK 36 35 0222 1525 = 5AA UTT TUU 3U6 3A4 TTU 773 353 4TA 445	CW	(JPL)
M95	5801	22-2	1158	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	22-2	1158	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	23-2	0537	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	23-2	0537	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	26-2	1734	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	26-2	1734	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	27-2	0018	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	27-2	0018	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	27-2	0717	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	27-2	0717	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	28-2	1522	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	28-2	1522	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
P03a	16112	1-2	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	1-2	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	1-2	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	1-2	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	1-2	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	1-2	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	16335	2-2	1140	Sat	Polish intel.	BPSK-63	(AB)
P03a	16335	2-2	1145	Sat	Polish intel.	BPSK-63	(AB)
P03a	6986	2-2	1435	Sat	Polish intel.	BPSK-63	(AB)
P03a	6986	2-2	1440	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	3-2	0500	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	3-2	0505	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	3-2	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	3-2	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	3-2	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	3-2	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	11100	4-2	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	4-2	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	16335	5-2	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	16335	5-2	1145	Tue	Polish intel.	BPSK-63	(AB)

P03a	5371	5-2	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	5-2	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	6-2	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	6-2	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	6-2	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	6-2	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	6-2	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	6-2	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	6-2	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	6-2	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	7-2	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	7-2	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	8-2	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	8-2	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	8-2	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	8-2	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	8-2	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	8-2	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	5371	9-2	0500	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	9-2	0505	Sat	Polish intel.	BPSK-63	(AB)
P03a	10487	9-2	1225	Sat	Polish intel.	BPSK-63	(AB)
P03a	10487	9-2	1230	Sat	Polish intel.	BPSK-63	(AB)
P03a	6986	9-2	1435	Sat	Polish intel.	BPSK-63	(AB)
P03a	6986	9-2	1440	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	9-2	1500	Sat	Polish intel.	BPSK-63	(AB)
P03a	13873	9-2	1505	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	9-2	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	9-2	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	13470	10-2	1410	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	10-2	1415	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	10-2	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	10-2	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	10-2	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	10-2	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	11-2	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13470	11-2	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	11-2	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	11-2	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	16335	12-2	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	16335	12-2	1145	Tue	Polish intel.	BPSK-63	(AB)

P03a	15905	12-2	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	12-2	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	12-2	1725	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	12-2	1730	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	13-2	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	13-2	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	13-2	1500	Wed	Polish intel.	BPSK-63	(AB)
P03a	13873	13-2	1505	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	13-2	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	13-2	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	14-2	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	14-2	1420	Thu	Polish intel.	BPSK-63	(AB)
P03a	16112	15-2	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	15-2	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	15-2	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	15-2	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	15-2	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	15-2	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	5371	16-2	0500	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	16-2	0505	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	16-2	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	16-2	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	17-2	0500	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	17-2	0505	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	17-2	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	17-2	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	17-2	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	17-2	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	13470	18-2	1410	Mon	Polish intel.	BPSK-63	(AB)
P03a	13470	18-2	1415	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	18-2	1635	Mon	Polish intel.	BPSK-63	(AB)
P03a	11100	18-2	1640	Mon	Polish intel.	BPSK-63	(AB)
P03a	15905	19-2	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	19-2	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	10487	20-2	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	20-2	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	20-2	1435	Wed	Polish intel.	BPSK-63	(AB)
P03a	6986	20-2	1440	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	20-2	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	20-2	1605	Wed	Polish intel.	BPSK-63	(AB)



P03a	16112	22-2	1440	Fri	Polish intel.	BPSK-63	(AB)
P03a	16112	22-2	1445	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	22-2	1500	Fri	Polish intel.	BPSK-63	(AB)
P03a	8680	22-2	1505	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	22-2	1635	Fri	Polish intel.	BPSK-63	(AB)
P03a	11100	22-2	1640	Fri	Polish intel.	BPSK-63	(AB)
P03a	14975	23-2	1600	Sat	Polish intel.	BPSK-63	(AB)
P03a	14975	23-2	1605	Sat	Polish intel.	BPSK-63	(AB)
P03a	5371	24-2	0500	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	24-2	0505	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	24-2	1500	Sun	Polish intel.	BPSK-63	(AB)
P03a	8680	24-2	1505	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	24-2	1725	Sun	Polish intel.	BPSK-63	(AB)
P03a	5371	24-2	1730	Sun	Polish intel.	BPSK-63	(AB)
P03a	16335	26-2	1140	Tue	Polish intel.	BPSK-63	(AB)
P03a	16335	26-2	1145	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	26-2	1415	Tue	Polish intel.	BPSK-63	(AB)
P03a	15905	26-2	1420	Tue	Polish intel.	BPSK-63	(AB)
P03a	5371	26-2	1725	Tue	Polish intel.	BPSK-63	(AB/BW3-HOL)
P03a	5371	26-2	1730	Tue	Polish intel.	BPSK-63	(AB/BW3-HOL)
P03a	10487	27-2	1225	Wed	Polish intel.	BPSK-63	(AB)
P03a	10487	27-2	1230	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	27-2	1600	Wed	Polish intel.	BPSK-63	(AB)
P03a	14975	27-2	1605	Wed	Polish intel.	BPSK-63	(AB)
P03a	15905	28-2	1415	Thu	Polish intel.	BPSK-63	(AB)
P03a	15905	28-2	1420	Thu	Polish intel.	BPSK-63	(AB)
P03b	4840	1-2	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4840	1-2	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	10800	6-2	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	10800	6-2	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4840	6-2	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4840	6-2	2040	Wed	Polish intel.	QPSK-63	(AB)
P03b	4840	8-2	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4840	8-2	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	10800	10-2	1120	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	10-2	1125	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	13-2	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	10800	13-2	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	4840	13-2	2035	Wed	Polish intel.	QPSK-63	(AB)
P03b	4840	13-2	2040	Wed	Polish intel.	QPSK-63	(AB)

P03b	4840	15-2	2035	Fri	Polish intel.	QPSK-63	(AB)
P03b	4840	15-2	2040	Fri	Polish intel.	QPSK-63	(AB)
P03b	10800	17-2	1120	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	17-2	1125	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	20-2	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	10800	20-2	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	10800	24-2	1120	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	24-2	1125	Sun	Polish intel.	QPSK-63	(AB)
P03b	10800	27-2	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	10800	27-2	1125	Wed	Polish intel.	QPSK-63	(AB)
POL	8800	4-2	1000	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8800	4-2	1005	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8800	11-2	1000	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8800	11-2	1005	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8180	13-2	0950	Wed	Polish intel.	FSK-4 100Bd	(AB)
POL	8180	13-2	0955	Wed	Polish intel.	FSK-4 100Bd	(AB)
POL	8800	18-2	1000	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8800	18-2	1005	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8180	20-2	0950	Wed	Polish intel.	FSK-4 100Bd	(AB)
POL	8180	20-2	0955	Wed	Polish intel.	FSK-4 100Bd	(AB)
POL	8800	25-2	1000	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8800	25-2	1005	Mon	Polish Intel.	BFSK 400/800	(AB)
POL	8180	27-2	0950	Wed	Polish intel.	FSK-4 100Bd	(AB)
POL	8180	27-2	0955	Wed	Polish intel.	FSK-4 100Bd	(AB)
Q26	4243	5-2	1142	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	11-2	1132	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	11-2	1132	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	22-2	1146	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
S06	15721	1-2	0400	Fri	480 195 60 14884 14345 78790 ... 28634 86421 12384 195 60 00000	USB	(kalv)
S06	7309	1-2	1900	Fri	627 627 627 00000	USB	(HFD-RUS)
S06	5091	1-2	2000	Fri	627 627 627 00000	USB	(AB/MPJ/HFD)
S06	15721	4-2	0400	Mon	Started with a null message 480 480 480 00000 then 480 723 55 47216 28864 21987 ... 48124 65197 65650 723 55 00000	USB	(kalv-J)
S06	15721	5-2	0400	Tue	480 619 50 97827 60800 04470 ... 86592 74087 52367 619 50 00000	USB	(kalv-J)
S06	15721	7-2	0400	Thu	480 351 60 93709 08129 22612 ... 58343 00907 17869 351 60 00000	USB	(kalv-J)
S06	4836	7-2	2030	Thu	321 967 967 42 42 45678 68475 69385 ... 23648 23936 26389 967 967 42 42 00000	USB	(MPJ)
S06	15721	8-2	0400	Fri	480 926 50 04780 11531 37872 ... 18367 31604 56917 926 50 00000	USB	(kalv-J)
S06	17450	8-2	0830	Fri	842 165 38 22909	USB	(HFD-HK)
S06	15614	8-2	0930	Fri	842 165 38 22909 50080 01856 ... 30906 75830 03368 165 38 00000	USB	(AnEur/HFD-HK)
S06	15721	11-2	0400	Mon	480 357 60 30392 47868 18915 ... 44782 83143 51281 357 60 00000	USB	(kalv)

S06	15721	12-2	0400	Tue	480 916 55 51534 51028 05078 ... 88874 77332 47408 916 55 00000	USB	(kalv)
S06	15721	13-2	0400	Wed	480 273 50 20813 52039 74981 ... 63263 53373 72832 273 50 00000	USB	(kalv-J)
S06	7309	15-2	1900	Fri	627 589 34 09657 82456 08231 ... 92349 23139 20000 589 34 00000	USB	(MPJ)
S06	5091	15-2	2000	Fri	627 589 34 09657 82456 08231 ... 92349 23139 20000 589 34 00000	USB	(AB/MPJ)
S06	7309	16-2	1900	Sat	627 589 34 09657 82456 08231 ... 92349 23139 20000 589 34 00000	USB	(MPJ)
S06	5091	16-2	2000	Sat	627 589 34 09657 82456 08231 ... 92349 23139 20000 589 34 00000	USB	(AB/MPJ)
S06	15721	18-2	0400	Mon	480 579 60 42279 96381 79437 ... 84332 04096 54489 579 60 00000	USB	(kalv-J)
S06	15721	19-2	0400	Tue	480 632 50 22338 98890 15281 ... 00656 09712 92770 632 50 00000	USB	(kalv-J)
S06	15721	20-2	0400	Wed	480 157 60 63701 92406 63070 ... 18004 02878 62399 157 60 00000	USB	(kalv-KOR)
S06	15721	21-2	0400	Thu	480 392 50 93566 23539 39151 ... 64662 01482 90677 392 50 00000	USB	(kalv-J)
S06	15721	25-2	0400	Mon	480 592 60 63126 17189 31775 ... 36941 52371 67923 592 60 00000	USB	(kalv-J)
S06	15721	26-2	0400	Tue	480 173 60 91723 65617 31429 ... 08702 54110 71712 173 60 00000	USB	(kalv-J)
S06	15721	27-2	0400	Wed	480 152 60 72788 74326 60415 ... 17476 72128 58771 152 60 00000	USB	(kalv)
S06s	5765	1-2	0900	Fri	624 980 5 88280 84116 53718 78927 34694 980 5 00000	USB	(AB)
S06s	6315	1-2	0910	Fri	624 980 5 88280 84116 53718 78927 34694 980 5 00000	USB	(AB)
S06s	11780	1-2	0930	Fri	516 842 7 17301 88554 82045 36717 24042 75956 31670 842 7 00000	USB	(AB)
S06s	12570	1-2	0940	Fri	516 842 7 17301 88554 82045 36717 24042 75956 31670 842 7 00000	USB	(AB)
S06s	8680	2-2	0800	Sat	254 908 6 65906 66610 20336 17301 88554 82045 908 6 00000	USB	(AB)
S06s	8260	2-2	0810	Sat	254 908 6 65906 66610 20336 17301 88554 82045 908 6 00000	USB	(AB)
S06s	13470	4-2	0630	Mon	524 801 6 16091 29043 25258 25060 22063 16106 801 6 00000	USB	(AB-AUT)
S06s	16515	4-2	0640	Mon	524 801 6 16091 29043 25258 25060 22063 16106 801 6 00000	USB	(AB-UKR)
S06s	8057	4-2	0830	Mon	371 894 5 37867 86001 33032 38334 44613 894 5 00000	USB	(AB)
S06s	8530	4-2	0840	Mon	371 894 5 37867 86001 33032 38334 44613 894 5 00000	USB	(AB)
S06s	14675	4-2	0900	Mon	872 436 5 31467 36997 80093 41915 30694 436 5 00000	USB	(AB-AUT)
S06s	12830	4-2	0910	Mon	872 436 5 31467 36997 80093 41915 30694 436 5 00000	USB	(AB-AUT)
S06s	8420	4-2	1300	Mon	831 467 5 33886 33334 32917 37524 37715 467 5 00000	USB	(AB/MPJ)
S06s	10635	4-2	1310	Mon	831 467 5 33886 33334 32917 37524 37715 467 5 00000	USB	(AB/MPJ)
S06s	16145	5-2	0600	Tue	438 251 6 84354 62795 74228 56551 44999 35489 251 6 00000	USB	(AB)
S06s	14240	5-2	0610	Tue	438 251 6 84354 62795 74228 56551 44999 35489 251 6 00000	USB	(AB)
S06s	5250	5-2	0700	Tue	374 910 5 84583 30085 40901 45985 49471 910 5 00000	USB	(AB)
S06s	6320	5-2	0715	Tue	374 910 5 84583 30085 40901 45985 49471 910 5 00000	USB	(AB)
S06s	7410	5-2	0730	Tue	427 819 5 62795 74228 54551 43685 64655 819 5 00000	USB	(AB)
S06s	11532	5-2	0740	Tue	427 819 5 62795 74228 54551 43685 64655 819 5 00000	USB	(AB)
S06s	11945	5-2	0800	Tue	352 471 6 62795 74229 56551 44999 47773 55580 471 6 00000	USB	(AB)
S06s	13195	5-2	0810	Tue	352 471 6 62795 74229 56551 44999 47773 55580 471 6 00000	USB	(AB-AUT)
S06s	5035	5-2	1100	Tue	754 813 6 81235 32469 33311 37642 86212 37367 813 6 00000	USB	(AB/MPJ)
S06s	5975	5-2	1110	Tue	754 813 6 81235 32469 33311 37642 86212 37367 813 6 00000	USB	(AB/MPJ)
S06s	6845	5-2	1500	Tue	537 482 6 37184 36129 33983 83321 85246 32993 482 6 000000	USB	(AB/MPJ)
S06s	9170	5-2	1510	Tue	537 482 6 37184 36129 33983 83321 85246 32993 482 6 000000	USB	(AB/MPJ)
S06s	8417	6-2	0820	Wed	471 932 5 07931 98755 84638 45752 64655 932 5 00000	USB	(AB)

S06s	7062	6-2	0830	Wed	464 903 5 12444 38625 89531 52814 85831 903 5 00000	USB	(AB)
S06s	9262	6-2	0830	Wed	471 932 5 07931 98755 84638 45752 64655 932 5 00000	USB	(AB)
S06s	11535	6-2	0830	Wed	745 283 6 37888 32451 33983 42283 32618 31250 283 6 00000	USB	(AB)
S06s	10532	6-2	0840	Wed	464 903 5 12444 38625 89531 52814 85831 903 5 00000	USB	(AB)
S06s	11830	6-2	0840	Wed	745 283 6 37888 32451 33983 42283 32618 31250 283 6 00000	USB	(AB)
S06s	12365	6-2	1000	Wed	729 463 5 31467 33351 43533 35211 33212 463 5 00000	AM	(AB)
S06s	14280	6-2	1010	Wed	729 463 5 31467 33351 43533 35211 33212 463 5 00000	AM	(AB)
S06s	12155	7-2	1200	Thu	425 968 7 70414 62694 84843 81185 08844 75117 96122 968 7 00000	USB	(AB/MPJ)
S06s	10920	7-2	1210	Thu	425 968 7 70414 62694 84843 81185 08844 75117 96122 968 7 00000	USB	(AB/MPJ)
S06s	5765	8-2	0900	Fri	624 980 5 88280 84116 53718 78927 34694 980 5 00000	USB	(AB)
S06s	6315	8-2	0910	Fri	624 980 5 88280 84116 53718 78927 34694 980 5 00000	USB	(AB)
S06s	11780	8-2	0930	Fri	516 842 7 17301 88554 82045 36717 24042 75956 31670 842 7 00000	USB	(AB)
S06s	12570	8-2	0940	Fri	516 842 7 17301 88554 82045 36717 24042 75956 31670 842 7 00000	USB	(AB)
S06s	13470	11-2	0630	Mon	524 801 6 16091 29043 25258 25060 22063 16106 801 6 00000	USB	(AB)
S06s	16515	11-2	0640	Mon	524 801 6 16091 29043 25258 25060 22063 16106 801 6 00000	USB	(AB-AUT)
S06s	8057	11-2	0830	Mon	371 894 5 37867 86001 33032 38334 44613 894 5 00000	USB	(AB)
S06s	8530	11-2	0840	Mon	371 894 5 37867 86001 33032 38334 44613 894 5 00000	USB	(AB)
S06s	14675	11-2	0900	Mon	872 436 5 31467 36997 80093 41915 30694 436 5 00000	USB	(AB)
S06s	12830	11-2	0910	Mon	872 436 5 31467 36997 80093 41915 30694 436 5 00000	USB	(AB)
S06s	8420	11-2	1300	Mon	831 467 5 33886 33334 32917 37524 37715 467 5 00000	USB	(AB/MPJ)
S06s	10635	11-2	1310	Mon	831 467 5 33886 33334 32917 37524 37715 467 5 00000	USB	(AB/MPJ)
S06s	14240	12-2	0610	Tue	438 251 6 84354 62795 74228 56551 44999 35489 251 6 00000	USB	(AB-UKR)
S06s	5250	12-2	0700	Tue	374 910 5 84583 30085 40901 45985 49471 910 5 00000	USB	(AB)
S06s	6320	12-2	0715	Tue	374 910 5 84583 30085 40901 45985 49471 910 5 00000	USB	(AB)
S06s	7410	12-2	0730	Tue	427 819 5 62795 74228 54551 43685 64655 819 5 00000	USB	(AB)
S06s	11532	12-2	0740	Tue	427 819 5 62795 74228 54551 43685 64655 819 5 00000	USB	(AB)
S06s	11945	12-2	0800	Tue	352 471 6 62795 74229 56551 44999 47773 55580 471 6 00000	USB	(AB)
S06s	13195	12-2	0810	Tue	352 471 6 62795 74229 56551 44999 47773 55580 471 6 00000	USB	(AB-AUT)
S06s	6441	12-2	1002	Tue	893 571 6 32441 35786 83110 38611 33218 45503 571 6 00000. 1kHz off freq. Late start	USB	(AB)
S06s	5660	12-2	1010	Tue	893 571 6 32441 35786 83110 38611 33218 45503 571 6 00000	USB	(AB)
S06s	5035	12-2	1100	Tue	754 813 6 81235 32469 33311 37642 86212 37367 813 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	5975	12-2	1110	Tue	754 813 6 81235 32469 33311 37642 86212 37367 813 6 00000	USB	(AB-POL/MPJ-AUT)
S06s	6845	12-2	1500	Tue	537 482 6 37184 36129 33983 83321 85246 32993 482 6 000000	USB	(AB)
S06s	9170	12-2	1510	Tue	537 482 6 37184 36129 33983 83321 85246 32993 482 6 000000	USB	(AB)
S06s	8417	13-2	0820	Wed	471 932 5 07931 98755 84638 45752 64655 932 5 00000	USB	(AB)
S06s	7062	13-2	0830	Wed	464 903 5 12444 38625 89531 52814 85831 903 5 00000	USB	(AB)
S06s	9262	13-2	0830	Wed	471 932 5 07931 98755 84638 45752 64655 932 5 00000	USB	(AB)
S06s	11535	13-2	0830	Wed	745 283 6 37888 32451 33983 42283 32618 31250 283 6 00000	USB	(AB)

S06s	10532	13-2	0840	Wed	464 903 5 12444 38625 89531 52814 85831 903 5 00000	USB	(AB)
S06s	11830	13-2	0840	Wed	745 283 6 37888 32451 33983 42283 32618 31250 283 6 00000	USB	(AB)
S06s	12365	13-2	1000	Wed	729 463 5 31467 33351 43533 35211 33212 463 5 00000	AM	(AB)
S06s	14280	13-2	1010	Wed	729 463 5 31467 33351 43533 35211 33212 463 5 00000	AM	(AB)
S06s	8812	14-2	0930	Thu	314 925 6 90406 36113 31107 37806 37137 31405 925 6 00000	USB	(AB)
S06s	9540	14-2	0940	Thu	314 925 6 90406 36113 31107 37806 37137 31405 925 6 00000	USB	(AB)
S06s	12155	14-2	1200	Thu	425 968 7 70414 62694 84843 81185 08844 75117 96122 968 7 00000	USB	(AB/MPJ)
S06s	10920	14-2	1210	Thu	425 968 7 70414 62694 84843 81185 08844 75117 96122 968 7 00000	USB	(AB/MPJ)
S06s	5765	15-2	0900	Fri	624 875 9 38453 43033 39394 38367 36184 43475 38836 32030 44036 875 9 00000	USB	(AB)
S06s	6315	15-2	0910	Fri	624 875 9 38453 43033 39394 38367 36184 43475 38836 32030 44036 875 9 00000	USB	(AB)
S06s	11780	15-2	0930	Fri	516 837 9 94476 30322 40639 85618 42227 37218 35861 34917 99211 837 9 00000	USB	(AB)
S06s	12570	15-2	0940	Fri	516 837 9 94476 30322 40639 85618 42227 37218 35861 34917 99211 837 9 00000	USB	(AB)
S06s	13470	18-2	0630	Mon	524 908 5 35861 33432 89319 32494 37142 32842 908 5 00000	USB	(AB)
S06s	16515	18-2	0640	Mon	524 908 5 35861 33432 89319 32494 37142 32842 908 5 00000	USB	(AB-AUT)
S06s	8057	18-2	0830	Mon	371 296 5 33699 39998 30667 35947 83964 296 5 00000	USB	(AB)
S06s	8530	18-2	0840	Mon	371 296 5 33699 39998 30667 35947 83964 296 5 00000	USB	(AB)
S06s	14675	18-2	0900	Mon	872 916 5 32617 41322 86067 25487 44036 916 5 00000	USB	(AB-AUT)
S06s	12830	18-2	0910	Mon	872 916 5 32617 41322 86067 25487 44036 916 5 00000	USB	(AB-AUT)
S06s	8420	18-2	1300	Mon	831 926 5 33701 46632 30233 36973 38084 926 5 00000	USB	(AB/MPJ)
S06s	10635	18-2	1310	Mon	831 926 5 33701 46632 30233 36973 38084 926 5 00000	USB	(AB/MPJ)
S06s	5035	19-2	1100	Tue	754 260 8 27283 26127 22782 83331 85346 22883 22529 28407 260 8 00000	USB	(MPJ)
S06s	5975	19-2	1110	Tue	754 260 8 27283 26127 22782 83331 85346 22883 22529 28407 260 8 00000	USB	(MPJ)
S06s	6845	19-2	1500	Tue	537 426 8 42990 22000 32968 25332 36880 35820 44060 22600 426 8 00000	USB	(MPJ)
S06s	9170	19-2	1510	Tue	537 426 8 42990 22000 32968 25332 36880 35820 44060 22600 426 8 00000	USB	(MPJ)
S06s	8417	20-2	0820	Wed	471 962 5 12444 38625 89532 52814 95931 962 5 00000	USB	(AB)
S06s	7062	20-2	0830	Wed	464 971 5 37833 30023 32953 32235 87855 971 5 00000	USB	(AB)
S06s	9262	20-2	0830	Wed	471 962 5 12444 38625 89532 52814 95931 962 5 00000	USB	(AB)
S06s	11535	20-2	0830	Wed	745 812 6 44999 47773 55580 95638 45555 66625 812 6 000000	USB	(AB)
S06s	10532	20-2	0840	Wed	464 971 5 37833 30023 32953 32235 87855 971 5 00000	USB	(AB)
S06s	11830	20-2	0840	Wed	745 812 6 44999 47773 55580 95638 45555 66625 812 6 000000	USB	(AB)
S06s	12365	20-2	1000	Wed	729 453 6 76458 59421 21677 15542 36059 49385 453 6 00000	AM	(AB)
S06s	14280	20-2	1010	Wed	729 453 6 76458 59421 21677 15542 36059 49385 453 6 00000	AM	(AB)
S06s	8812	21-2	0930	Thu	314 927 5 98058 44593 07628 61154 94511 927 5 00000	USB	(AB)
S06s	9540	21-2	0940	Thu	314 927 5 98058 44593 07628 61154 94511 927 5 00000	USB	(AB)
S06s	12155	21-2	1200	Thu	425 871 6 95931 64155 50525 02465 48955 47183 871 6 00000	USB	(AB/MPJ)
S06s	10920	21-2	1210	Thu	425 871 6 95931 64155 50525 02465 48955 47183 871 6 00000	USB	(AB/MPJ)
S06s	5765	22-2	0900	Fri	624 875 9 38453 43033 39394 38367 36184 43475 38836 32030 44036 875 9 00000	USB	(AB)
S06s	6315	22-2	0910	Fri	624 875 9 38453 43033 39394 38367 36184 43475 38836 32030 44036 875 9 00000	USB	(AB)
S06s	11780	22-2	0930	Fri	516 837 9 94476 30322 40639 85618 42227 37218 35861 34917 99211 837 9 00000	USB	(AB)
S06s	12570	22-2	0940	Fri	516 837 9 94476 30322 40639 85618 42227 37218 35861 34917 99211 837 9 00000	USB	(AB)

S06s	13470	25-2	0630	Mon	524 908 5 35861 33432 89319 32494 37142 32842 908 5 00000	USB	(AB)
S06s	16515	25-2	0640	Mon	524 908 5 35861 33432 89319 32494 37142 32842 908 5 00000	USB	(AB-AUT)
S06s	8057	25-2	0830	Mon	371 296 5 33699 39998 30667 35947 83964 296 5 00000	USB	(AB)
S06s	8530	25-2	0840	Mon	371 296 5 33699 39998 30667 35947 83964 296 5 00000	USB	(AB)
S06s	14675	25-2	0900	Mon	872 916 5 32617 41322 86067 25487 44036 916 5 00000	USB	(AB-AUT)
S06s	12830	25-2	0910	Mon	872 916 5 32617 41322 86067 25487 44036 916 5 00000	USB	(AB-AUT)
S06s	8420	25-2	1300	Mon	831 926 5 33701 46632 30233 36973 38084 926 5 00000	USB	(AB/MPJ)
S06s	10635	25-2	1310	Mon	831 926 5 33701 46632 30233 36973 38084 926 5 00000	USB	(AB/MPJ)
S06s	14240	26-2	0610	Tue	438 216 5 35861 33432 89319 32494 37142 216 5 00000	USB	(AB-AUT)
S06s	5250	26-2	0700	Tue	374 289 5 36914 46467 36973 37968 89762 289 5 00000	USB	(AB)
S06s	6320	26-2	0715	Tue	374 289 5 36914 46467 36973 37968 89762 289 5 00000	USB	(AB)
S06s	7410	26-2	0730	Tue	427 506 8 34338 42143 30344 36112 30694 89898 43760 49471 506 8 00000	USB	(AB)
S06s	11532	26-2	0740	Tue	427 506 8 34338 42143 30344 36112 30694 89898 43760 49471 506 8 00000	USB	(AB)
S06s	11945	26-2	0800	Tue	352 481 6 46280 33187 33334 39342 38303 44206 481 6 00000	USB	(AB)
S06s	13195	26-2	0810	Tue	352 481 6 46280 33187 33334 39342 38303 44206 481 6 00000	USB	(AB-AUT)
S06s	6441	26-2	1002	Tue	893 502 6 26184 26128 22982 82231 85246 22772 502 6 00000	USB	(AB)
S06s	5660	26-2	1010	Tue	893 502 6 26184 26128 22982 82231 85246 22772 502 6 00000	USB	(AB)
S06s	5035	26-2	1100	Tue	754 260 8 27283 26128 22892 83331 85346 22883 22529 28407 260 8 00000	USB	(AB-POL/MPJ-HOL)
S06s	5975	26-2	1110	Tue	754 260 8 27283 26128 22892 83331 85346 22883 22529 28407 260 8 00000	USB	(AB-POL/MPJ-HOL)
S06s	6845	26-2	1500	Tue	537 426 8 42990 22000 32968 25332 36880 35820 44060 22600 426 8 00000	USB	(AB/MPJ)
S06s	9170	26-2	1510	Tue	537 426 8 42990 22000 32968 25332 36880 35820 44060 22600 426 8 00000	USB	(AB/MPJ)
S06s	8417	27-2	0820	Wed	471 962 5 12444 38625 89532 52814 95931 962 5 00000	USB	(AB)
S06s	7062	27-2	0830	Wed	464 971 5 37833 30023 32953 32235 87855 971 5 00000	USB	(AB)
S06s	9262	27-2	0830	Wed	471 962 5 12444 38625 89532 52814 95931 962 5 00000	USB	(AB)
S06s	11535	27-2	0830	Wed	745 812 6 44999 47773 55580 95638 45555 66625 812 6 000000	USB	(AB)
S06s	10532	27-2	0840	Wed	464 971 5 37833 30023 32953 32235 87855 971 5 00000	USB	(AB)
S06s	11830	27-2	0840	Wed	745 812 6 44999 47773 55580 95638 45555 66625 812 6 000000	USB	(AB)
S06s	12365	27-2	1000	Wed	729 453 6 76458 59421 21677 15542 36059 49385 453 6 00000	AM	(AB)
S06s	14280	27-2	1010	Wed	729 453 6 76458 59421 21677 15542 36059 49385 453 6 00000	AM	(AB)
S06s	8812	28-2	0930	Thu	314 927 5 98058 44593 07628 61154 94511 927 5 00000	USB	(AB)
S06s	9540	28-2	0940	Thu	314 927 5 98058 44593 07628 61154 94511 927 5 00000	USB	(AB)
S06s	12155	28-2	1200	Thu	425 871 6 95931 64155 50525 02465 48955 47183 871 6 00000	USB	(AB/MPJ)
S06s	10920	28-2	1210	Thu	425 871 6 95931 64155 50525 02465 48955 47183 871 6 00000	USB	(AB/MPJ)
S11a	7600	1-2	1020	Fri	427/00	USB	(AB)
S11a	5815	1-2	1955	Fri	371/00	USB	(AB/MPJ)
S11a	10728	2-2	1540	Sat	564/00	USB	(MPJ/GHn)
S11a	11486	2-2	1850	Sat	286/00	USB	(MPJ-CZE)
S11a	11559	4-2	1015	Mon	474/37 Vnimanije 64620 13840 00612 ... 52273 80373 49645 Vnimanije (message repeated) Konets	USB	(AB-POL)



S11a	7600	5-2	1020	Tue	427/00	USB	(AB)
S11a	10728	6-2	1540	Wed	564/00	USB	(AB/MPJ)
S11a	11486	6-2	1850	Wed	280/00	USB	(AB/MPJ)
S11a	5815	6-2	1955	Wed	378/00	USB	(MPJ)
S11a	7600	8-2	1020	Fri	422/00	USB	(AB)
S11a	5815	8-2	1955	Fri	379/00	USB	(AB/MPJ)
S11a	10728	9-2	1540	Sat	561/00	USB	(AB/MPJ)
S11a	11486	9-2	1850	Sat	281/00	USB	(MPJ-I)
S11a	11559	11-2	1015	Mon	471/34 Vnimanije 22203 09813 19376 ... 45606 23401 41604 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	4828	12-2	0455	Tue	322/00	USB	(AB)
S11a	7600	12-2	1020	Tue	425/38 Vnimanije 08248 40015 77447 ... 97321 20643 75362 Vnimanije (message repeated) Konets	USB	(AB)
S11a	10728	13-2	1540	Wed	561/00	USB	(AB/MPJ)
S11a	11486	13-2	1850	Wed	Active but unreadable	USB	(MPJ-POL)
S11a	5815	13-2	1955	Wed	371/37 Vnimanije 32261 22377 65827 ... 68884 72371 54559 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ/GHn)
S11a	4828	15-2	0455	Fri	320/00	USB	(AB)
S11a	7600	15-2	1020	Fri	425/38 Vnimanije 08248 40015 77447 ... 97321 20643 75362 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5815	15-2	1955	Fri	371/37 Vnimanije 32261 22377 65827 ... 68884 72371 54559 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	10728	16-2	1540	Sat	560/00	USB	(MPJ/BW3)
S11a	11486	16-2	1850	Sat	280/37 Vnimanije 09109 43871 02473 ... 20430 74059 99916	USB	(AB/MPJ-I)
S11a	4828	19-2	0455	Tue	325/33 Vnimanije 67842 54994 55967 ... 36879 60965 58654 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7600	19-2	1020	Tue	422/00	USB	(AB)
S11a	10728	20-2	1540	Wed	560/37 Vnimanije 22077 96137 18574 ... 44061 27331 76603 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	11486	20-2	1850	Wed	288/00	USB	(AB-AUT)
S11a	4828	22-2	0455	Fri	324/33 Vnimanije ...	USB	(AB)
S11a	10728	23-2	1540	Sat	560/37 Vnimanije 22077 96137 18574 ... 44061 27331 76603 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	11486	23-2	1850	Sat	286/00	USB	(AB-POL)
S11a	11559	25-2	1015	Mon	472/00	USB	(AB)
S11a	4828	26-2	0455	Tue	320/00	USB	(AB)
S11a	7600	26-2	1020	Tue	425/99	USB	(AB)
S11a	10728	27-2	1540	Wed	566/00	USB	(AB/MPJ/BW3-HOL)
S11a	11486	27-2	1850	Wed	286/00	USB	(AB/MPJ)
S11a	11559	28-2	1015	Thu	472/00	USB	(AB-POL)
S28	4625	4-2	0806	Mon	VLKhN 30 788 OZONID 76 50 28 87	USB	(JM5)
S28	4625	28-2	1741	Thu	Buzzer marker	USB	(AB)
S30	5448	15-2	1315	Fri	DIya: ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh Kak slyshno, kak slyshno? Priyom	USB	(Gwr-UKR)
S30	5448	28-2	1215	Thu	8S1Shch 17781 MOSTOFAVN 1754 1451 mistake in reading, corrected at 1217z	USB	(Gwr)
S30	5448	28-2	1217	Thu	8S1Shch 77781 MOSTOFAVN 1754 1451	USB	(Gwr)
S30	5448	28-2	1218	Thu	8S1Shch 01726 KYeDROZAYaC 0070 6129	USB	(Gwr)

<b>S30</b>	5448	28-2	1236	Thu	8S1Shch 67645 LAZOSKOP 8045 0273	USB	(Gwr)
<b>S30</b>	3756	28-2	1502	Thu	Dlya: 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5	USB	(Gwr)
<b>S30</b>	3756	28-2	1746	Thu	Pip marker	USB	(AB)
<b>S32</b>	5473	28-2	1220	Thu	Al'fa-45 39564 MYeTAZOA 5846 6762	USB	(Gwr)
<b>S32</b>	5473	28-2	1236	Thu	Al'fa-45 09492 VIZGOBAJT 6489 7464	USB	(Gwr)
<b>S32</b>	5473	28-2	1241	Thu	Al'fa-45 39027 OBOLOVAN 6874 1464	USB	(Gwr)
<b>S32</b>	3828	28-2	1748	Thu	Squeaky Wheel 3-tones marker	USB	(AB)
<b>UM10</b>	3531	4-2	1320	Mon	10-minutes net: JZZN //4310 kHz	CW	(JPL-Sib)
<b>UM10</b>	4310	4-2	1320	Mon	10-minutes net: JZZN //3531 kHz	CW	(JPL-Sib)
<b>UM10</b>	3250	4-2	1510	Mon	10-minutes net: VI4T	CW	(JPL-Sib)
<b>UM10</b>	3531	4-2	1520	Mon	10-minutes net: JZZN //4310 kHz	CW	(JPL-Sib)
<b>UM10</b>	4310	4-2	1520	Mon	10-minutes net: JZZN //3531 kHz	CW	(JPL-Sib)
<b>V07</b>	15874	10-2	0100	Sun	878 878 878 1 7657 20 59025 97583 12006 ... 72380 71135 000 000	USB	(Dan)
<b>V07</b>	14774	10-2	0120	Sun	878 878 878 1 7657 20 59025 97583 12006 ... 72380 71135 000 000	USB	(Dan)
<b>V07</b>	13874	10-2	0140	Sun	878 878 878 1 7657 20 59025 97583 12006 ... 72380 71135 000 000	USB	(Dan)
<b>V07</b>	15874	17-2	0100	Sun	878 878 878 1 7774 20 84997 25362 16454 .... 52399 01269 000 000	USB	(Dan)
<b>V07</b>	14774	17-2	0120	Sun	878 878 878 1 7774 20 84997 25362 16454 .... 52399 01269 000 000	USB	(Dan)
<b>V07</b>	13874	17-2	0140	Sun	878 878 878 1 7774 20 84997 25362 16454 .... 52399 01269 000 000	USB	(Dan)
<b>V07</b>	15874	24-2	0100	Sun	878 878 878 1 197 24 25448 45647 36569 ... 90241 60566 000 000	USB	(Dan)
<b>V07</b>	14774	24-2	0120	Sun	878 878 878 1 197 24 25448 45647 36569 ... 90241 60566 000 000	USB	(Dan)
<b>V07</b>	13874	24-2	0140	Sun	878 878 878 1 197 24 25448 45647 36569 ... 90241 60566 000 000	USB	(Dan)
<b>V15</b>	3320	2-2	1446	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean	AM	(SDX)
<b>V15</b>	3320	7-2	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean //6400 kHz	AM	(SDX/BW3-J)
<b>V15</b>	6400	7-2	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean //3320 kHz	AM	(SDX/BW3-J)
<b>V15</b>	3320	16-2	1445	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Music (General Star) followed by a message in Korean //6400 kHz	AM	(HK/SDX)
<b>V15</b>	6400	16-2	1445	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Music (General Star) followed by a message in Korean //3320 kHz	AM	(SDX/Amano)
<b>V15</b>	3320	21-2	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //6400 kHz	AM	(SDX)
<b>V15</b>	6400	21-2	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean //3320 kHz	AM	(SDX)
<b>V24</b>	5290	5-2	1430	Tue	Popmusic followed by a message in Korean	AM	(AB-J/MDK2)
<b>V24</b>	5290	7-2	1430	Thu	Popmusic followed by a message in Korean	AM	(AB)
<b>V24</b>	5900	15-2	1600	Fri	Pop song followed by a message in Korean	AM	(SDX)
<b>V24</b>	5150	18-2	1400	Mon	Popmusic followed by a message in Korean	AM	(AB-J)
<b>V24</b>	5900	22-2	1600	Fri	Pop song followed by a message in Korean	AM	(SDX)
<b>V24</b>	4900	23-2	1530	Sat	Popsong followed by a message in Korean	AM	(SDX)
<b>V24</b>	4900	25-2	1530	Mon	Popsong followed by a message in Korean	AM	(SDX)
<b>V24</b>	4900	27-2	1530	Wed	Popsong followed by a message in Korean	AM	(AB-J/SDX)



V26	4243	5-2	1228	Tue	Messages in Chinese	USB	(JPL)
V28	4628	3-2	2102	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4985	3-2	2102	Sun	Parrot. Messages in Korean	AM	(HK)
V28	5159	3-2	2102	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4625	4-2	2100	Mon	Parrot. Messages in Korean	AM	(HK)
V28	4979	4-2	2100	Mon	Parrot. Messages in Korean	AM	(HK)
V28	5158	4-2	2100	Mon	Parrot. Messages in Korean	AM	(HK)
V28	4494	4-2	2113	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2995.5	5-2	0900	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	5-2	0900	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2928	5-2	0901	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3051	5-2	0908	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	5-2	2109	Tue	Parrot. Messages in Korean. Secret Code: Seongaksan	AM	(HK)
V28	4494	6-2	2100	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4628	6-2	2100	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5154	6-2	2100	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2932	7-2	0902	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2997	7-2	0903	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4622	7-2	2100	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4975	7-2	2100	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5154	7-2	2102	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4511	7-2	2103	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	8-2	0900	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2933	8-2	2100	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3049	8-2	2100	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2996	8-2	2102	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3048	10-2	0900	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3048	10-2	0900	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
V28	2932	10-2	0903	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
V28	2932	10-2	0903	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2997	10-2	0905	Sun	Parrot. Message in Korean. Female and male operators	AM	(HK)
V28	2997	10-2	0905	Sun	Parrot. Messages in Korean. Female and male operators	AM	(HK)
V28	4625	10-2	2100	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5157	10-2	2107	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2928	12-2	0900	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3049	12-2	0900	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2999	12-2	0904	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	12-2	0906	Tue	Parrot. Male operator, microphone test and carrier on/off	AM	(HK)
V28	3518	12-2	0907	Tue	Parrot. Messages in Korean. Female operator. She slowly read the first group of figures. Secret Code: Seongaksan	AM	(HK)

V28	3518	12-2	0917	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4486	12-2	2108	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4628	12-2	2108	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4967	12-2	2108	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5165	12-2	2108	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	14-2	0859	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3047	14-2	0901	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2934	14-2	0902	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2998	14-2	0902	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4974	14-2	2100	Thu	Parrot. Messages in Korean. Female operator. Moved to 4975 kHz and back to 4974 kHz	AM	(HK)
V28	4620	14-2	2102	Thu	Parrot. Messages in Korean	AM	(HK)
V28	5151	14-2	2103	Thu	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4503	14-2	2109	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	17-2	2059	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4624	17-2	2059	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4971	17-2	2101	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5155	17-2	2102	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5156	18-2	2100	Mon	Parrot. Messages in Korean. Female operator. Drifted to 5157 kHz	AM	(HK)
V28	4502	18-2	2101	Mon	Parrot. Messages in Korean. Female and male operators	AM	(HK)
V28	4971	18-2	2101	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	20-2	0859	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2988	20-2	0901	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2998	20-2	0902	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3044	20-2	0902	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4499	25-2	2105	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4621	25-2	2105	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5154	25-2	2105	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4474	28-2	2059	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4626	28-2	2059	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4979	28-2	2103	Thu	Parrot. Messages in Korean	AM	(HK)
V28	5149	28-2	2105	Thu	Parrot. Messages in Korean	AM	(HK)
VC01	4978	4-2	1647	Mon	Chinese Robbot i.p.	USB	(BW3-J)
VC03	5211	1-2	0600	Fri	Chinese Air Defense	USB	(HK)
VC03	3209	1-2	1358	Fri	Chinese Air Defense	LSB	(HK)
VC03	4606	3-2	1114	Sun	Chinese Air Defense	LSB	(HK)
VC03	5200	4-2	0655	Mon	Chinese Air Defense	USB	(HK)
VC03	4776	7-2	2238	Thu	Chinese Air Defense	LSB	(HK)
VC03	4786	11-2	1127	Mon	Chinese Air Defense	USB	(HK)
VC03	3795	11-2	1245	Mon	Chinese Air Defense	LSB	(HK)
X06	12194	5-2	1024	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AnEur)

<b>X06</b>	13510	12-2	1020	Tue	MFA Moscow clg 612534: Russian embassy, Ashgabat	MFSK-6	(ACo)
<b>X06</b>	13420	26-2	0802	Tue	Sequence: 534216	MFSK-6	(DK8OK/Danix)
<b>X06b</b>	16338	10-2	1412	Sun	Sequence: 111666	MFSK-6	(Dan)
<b>X06b</b>	16338	10-2	1413	Sun	Sequence: 111666	MFSK-6	(Dan)
<b>X06b</b>	18667	15-2	1300	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	15-2	1303	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	16-2	1311	Sat	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	16-2	1316	Sat	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	16-2	1321	Sat	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	22-2	1315	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>X06b</b>	18667	22-2	1318	Fri	Sequence: 111666 before XPA2	MFSK-6	(Dan)
<b>XM</b>	4732	27-2	1900	Wed	Feedback signal	LSB	(AB)
<b>XPA</b>	13397	12-2	0810	Tue	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	14413	12-2	0830	Tue	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	15972	12-2	0850	Tue	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	13397	14-2	0810	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB/HFD)
<b>XPA</b>	14413	14-2	0830	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB/HFD)
<b>XPA</b>	15972	14-2	0850	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB/HFD)
<b>XPA</b>	13397	21-2	0810	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	14413	21-2	0830	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	15972	21-2	0850	Thu	143 143 143 1 00435 00200 02987 ... 75237 84894 43371	MFSK-10/20Bd	(AB)
<b>XPA</b>	13397	26-2	0810	Tue	143 143 143 000 08432 00001 00000 34263	MFSK-10/20Bd	(AB)
<b>XPA</b>	14413	26-2	0830	Tue	143 143 143 000 08432 00001 00000 34263	MFSK-10/20Bd	(AB)
<b>XPA</b>	15972	26-2	0850	Tue	143 143 143 000 08432 00001 00000 34263	MFSK-10/20Bd	(AB)
<b>XPA</b>	13397	28-2	0810	Thu	143 143 143 000 05870 00001 00000 35264	MFSK-10/20Bd	(AB)
<b>XPA</b>	14413	28-2	0830	Thu	143 143 143 000 05870 00001 00000 35264	MFSK-10/20Bd	(AB)
<b>XPA</b>	15972	28-2	0850	Thu	143 143 143 000 05870 00001 00000 35264	MFSK-10/20Bd	(AB)
<b>XPA</b>	4638	28-2	1620	Thu	687 687 687 1 00946 00071 99020 ... 95500 11018 13545	MFSK-20/10Bd	(Gwr)
<b>XPA2</b>	18667	1-2	1400	Fri	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS/MPJ-RUS/HFD)
<b>XPA2</b>	17419	1-2	1420	Fri	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS/MPJ-RUS/HFD)
<b>XPA2</b>	16212	1-2	1440	Fri	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS/MPJ-RUS/HFD)
<b>XPA2</b>	18667	2-2	1400	Sat	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	17419	2-2	1420	Sat	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	16212	2-2	1440	Sat	04787 00088 20825 ... 37394 06051 04433	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	16338	3-2	1500	Sun	03325 00076 01567 ... 55844 75243 20062	MFSK-16/20Bd	(AB-RUS/Dan/MPJ/HFD)

<b>XPA2</b>	14538	3-2	1520	Sun	03325 00076 01567 ... 55844 75243 20062	MFSK-16/20Bd	(AB-RUS/Dan/MPJ/HFD)
<b>XPA2</b>	13538	3-2	1540	Sun	03325 00076 01567 ... 55844 75243 20062	MFSK-16/20Bd	(AB-RUS/Dan/MPJ/HFD)
<b>XPA2</b>	12137	4-2	0800	Mon	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13937	4-2	0820	Mon	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14737	4-2	0840	Mon	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16338	5-2	1500	Tue	06292 00001 00000 33267	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	14538	5-2	1520	Tue	06292 00001 00000 33267	MFSK-16/20Bd	(AB-AUT/MPJ)
<b>XPA2</b>	13538	5-2	1540	Tue	06292 00001 00000 33267	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	12137	6-2	0800	Wed	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	13937	6-2	0820	Wed	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	14737	6-2	0840	Wed	01837 00150 81106 ... 64763 73663 73107	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	16102	6-2	0910	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14951	6-2	0930	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13991	6-2	0950	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18667	8-2	1400	Fri	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	17419	8-2	1420	Fri	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	16212	8-2	1440	Fri	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	16146	9-2	0910	Sat	00372 00056 17869 ... 98276 90280 37342	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15846	9-2	0930	Sat	00372 00056 17869 ... 98276 90280 37342	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14446	9-2	0950	Sat	00372 00056 17869 ... 98276 90280 37342	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18667	9-2	1400	Sat	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	17419	9-2	1420	Sat	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	16212	9-2	1440	Sat	00404 00064 08134 ... 79554 16863 06726	MFSK-16/20Bd	(AB-RUS/MPJ/Dan)
<b>XPA2</b>	16338	10-2	1500	Sun	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	14538	10-2	1520	Sun	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	13538	10-2	1540	Sun	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	12137	11-2	0800	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13937	11-2	0820	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14737	11-2	0840	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16102	11-2	0910	Mon	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14951	11-2	0930	Mon	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13991	11-2	0950	Mon	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)

<b>XPA2</b>	11461	11-2	1600	Mon	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB-RUS)
<b>XPA2</b>	10261	11-2	1620	Mon	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB/MDK2)
<b>XPA2</b>	9161	11-2	1640	Mon	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB/W9SPY)
<b>XPA2</b>	16338	12-2	1500	Tue	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB-RUS/MDK2)
<b>XPA2</b>	14538	12-2	1520	Tue	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB/MDK2)
<b>XPA2</b>	13538	12-2	1540	Tue	03377 00064 87346 ... 05620 93256 76717	MFSK-16/20Bd	(AB/MPJ/MDK2)
<b>XPA2</b>	12173	12-2	1600	Tue	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB-RUS/MPJ-RUS)
<b>XPA2</b>	10373	12-2	1620	Tue	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB/MPJ-HOL)
<b>XPA2</b>	9373	12-2	1640	Tue	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB/MPJ-RUS)
<b>XPA2</b>	12137	13-2	0800	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13937	13-2	0820	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14737	13-2	0840	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16102	13-2	0910	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14951	13-2	0930	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13991	13-2	0950	Wed	01775 00176 27158 ... 13825 47079 11237	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16146	14-2	0910	Thu	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15846	14-2	0930	Thu	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14446	14-2	0950	Thu	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12173	14-2	1600	Thu	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	10373	14-2	1620	Thu	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB/MPJ/BW3)
<b>XPA2</b>	9373	14-2	1640	Thu	03053 00215 81052 ... 52111 70000 77147	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	18667	15-2	1400	Fri	03762 00001 00000 35661	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
<b>XPA2</b>	17419	15-2	1420	Fri	03762 00001 00000 35661	MFSK-16/20Bd	(AB/GHn/Dan/MPJ)
<b>XPA2</b>	16212	15-2	1440	Fri	03762 00001 00000 35661	MFSK-16/20Bd	(AB/Dan/MPJ)
<b>XPA2</b>	16146	16-2	0910	Sat	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15846	16-2	0930	Sat	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14446	16-2	0950	Sat	03531 00030 68594 ... 84954 28082 72072	MFSK-16/20Bd	(AB)
<b>XPA2</b>	18667	16-2	1400	Sat	03680 00001 00000 34263	MFSK-16/20Bd	(Dan/MPJ)
<b>XPA2</b>	17419	16-2	1420	Sat	03680 00001 00000 34263	MFSK-16/20Bd	(Dan/MPJ)
<b>XPA2</b>	16212	16-2	1440	Sat	Stopped after 55 secs	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	11461	16-2	1600	Sat	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	10261	16-2	1620	Sat	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB/MPJ/BW3)
<b>XPA2</b>	9161	16-2	1640	Sat	00414 00202 61543 ... 18425 03426 20271	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16338	17-2	1500	Sun	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	14538	17-2	1520	Sun	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(AB/GHn/MPJ)
<b>XPA2</b>	13538	17-2	1540	Sun	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	12137	18-2	0800	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)

XPA2	13937	18-2	0820	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
XPA2	14737	18-2	0840	Mon	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
XPA2	16102	18-2	0910	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	14951	18-2	0930	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	13991	18-2	0950	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	11461	18-2	1600	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB/MPJ)
XPA2	10261	18-2	1620	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB/MPJ)
XPA2	9161	18-2	1640	Mon	02069 00001 00000 35660	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	19-2	1500	Tue	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(MPJ)
XPA2	14538	19-2	1520	Tue	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(MPJ)
XPA2	13538	19-2	1540	Tue	04192 00062 74400 ... 37268 18494 13245	MFSK-16/20Bd	(MPJ/GHn)
XPA2	12137	20-2	0800	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
XPA2	13937	20-2	0820	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
XPA2	14737	20-2	0840	Wed	00582 00180 89772 ... 28937 05501 27571	MFSK-16/20Bd	(AB)
XPA2	16102	20-2	0910	Wed	06391 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	14951	20-2	0930	Wed	06391 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	13991	20-2	0950	Wed	06391 00001 00000 33270	MFSK-16/20Bd	(AB)
XPA2	16146	21-2	0910	Thu	03137 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	15846	21-2	0930	Thu	03137 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	14446	21-2	0950	Thu	03137 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	12173	21-2	1600	Thu	04506 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	10373	21-2	1620	Thu	04506 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	9373	21-2	1640	Thu	04506 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	18667	22-2	1400	Fri	08284 00001 00000 34270	MFSK-16/20Bd	(AB- RUS/Dan/MPJ)
XPA2	17419	22-2	1420	Fri	08284 00001 00000 34270	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16212	22-2	1440	Fri	08284 00001 00000 34270	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	18667	23-2	1400	Sat	01206 00001 00000 35251	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	17419	23-2	1420	Sat	01206 00001 00000 35251	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16212	23-2	1440	Sat	01206 00001 00000 35251	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	11461	23-2	1600	Sat	01659 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ)
XPA2	10261	23-2	1620	Sat	01659 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ/BW3)
XPA2	9161	23-2	1640	Sat	01659 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	24-2	1500	Sun	Stopped after 58 seconds	MFSK-16/20Bd	(AB/GHn/Dan/ MPJ)
XPA2	14538	24-2	1520	Sun	02381 00060 13081 ... 59250 18374 35326	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	24-2	1540	Sun	02381 00060 13081 ... 59250 18374 35326	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	12137	25-2	0800	Mon	03077 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	13937	25-2	0820	Mon	03077 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	14737	25-2	0840	Mon	03077 00001 00000 34662	MFSK-16/20Bd	(AB)



<b>XPA2</b>	16102	25-2	0910	Mon	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14951	25-2	0930	Mon	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13991	25-2	0950	Mon	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	11461	25-2	1600	Mon	01400 00001 00000 33251	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	10261	25-2	1620	Mon	01400 00001 00000 33251	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	9161	25-2	1640	Mon	01400 00001 00000 33251	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16338	26-2	1500	Tue	02381 00060 13081 ... 59250 18374 35326	MFSK-16/20Bd	(AB/MDK2/MPJ)
<b>XPA2</b>	14538	26-2	1520	Tue	02381 00060 13081 ... 59250 18374 35326	MFSK-16/20Bd	(AB/MDK2/MPJ)
<b>XPA2</b>	13538	26-2	1540	Tue	02381 00060 13081 ... 59250 18374 35326	MFSK-16/20Bd	(AB/MDK2/MPJ)
<b>XPA2</b>	12173	26-2	1600	Tue	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XPA2</b>	10373	26-2	1620	Tue	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XPA2</b>	9373	26-2	1640	Tue	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XPA2</b>	12137	27-2	0800	Wed	09814 00001 00000 37262	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13937	27-2	0820	Wed	09814 00001 00000 37262	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14737	27-2	0840	Wed	09814 00001 00000 37262	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16102	27-2	0910	Wed	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14951	27-2	0930	Wed	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13991	27-2	0950	Wed	01316 00033 66558 ... 23411 08337 30605	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16146	28-2	0910	Thu	03268 00077 52871 ... 26300 86850 30212	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15846	28-2	0930	Thu	03268 00077 52871 ... 26300 86850 30212	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14446	28-2	0950	Thu	03268 00077 52871 ... 26300 86850 30212	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12173	28-2	1600	Thu	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XPA2</b>	10373	28-2	1620	Thu	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XPA2</b>	9373	28-2	1640	Thu	09934 00139 95277 ... 18366 34889 60673	MFSK-16/20Bd	(AB/MPJ/BW3-HOL)
<b>XSL</b>	4153	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4231.5	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	4291	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6250	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6417	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	6445	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8313	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8588	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	8703.5	11-2	1732	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

## CONTRIBUTORS

AB	Ary Boender, Netherlands	HFD-AFS	Hans-Friedrich Dumrese via remote rx South Africa
AB-AUT	Ary Boender via remote rx Austria	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-POL	Ary Boender via remote rx Poland	HK	Hiroyuki Komatsubara, Japan
AB-QAT	Ary Boender via remote rx Qatar	HS	Hugh Stegman, USA
AB-ROU	Ary Boender via remote rx Romania	JM5	Jan Michalski, Poland
AB-RUS	Ary Boender via remote rx Russia	JPL	JPL, NB, Canada (and various remote rx)
AB-S	Ary Boender via remote rx Sweden	JPL-HK	JPL via remote rx Hong Kong
AB-UKR	Ary Boender via remote rx Ukraine	JPL-Sib	JPL via remote rx Siberia
AB-USA	Ary Boender via remote rx USA	Kalv	Kalvados
Aco	Alan Cordwell, UK	Kalv-J	Kalvados via remote rx Japan
Amano	Amano, Japan	Kalv-KOR	Kalvados via remote rx South Korea
AnEur	Anonymous Europe	KB7WOX	KB7WOX, USA
BW3	Barry Williams, AL, USA	Kris	Kris, Poland
BW3-HOL	Barry Williams via remote rx Netherlands	MDK2	MDK2, USA
BW3-J	Barry Williams via remote rx Japan	MPJ	Jim, SW England
BW3-KOR	Barry Williams via remote rx South Korea	MPJ-CZE	Jim via remote rx Czech Rep.
CK	Costas, Southern Europe	MPJ-HNG	Jim via remote rx Hungary
CM2	Chris Malboef	MPJ-HOL	Jim via remote rx Netherlands
Dan	Daniel LU5EMM, Argentina	MPJ-I	Jim via remote rx Italy
Danix	Danix111, Poland	MPJ-POL	Jim via remote rx Poland
DE	David Edger	MPJ-RUS	Jim via remote rx Russia
ES	Edward Smith, UK	Ret	Retops
DK8OK	DK8OK Nils Schiffhaur, D	RL	Roberto Landolpho, Brazil
GHn	Gary Hagermann, UK	RR2	Rich Ray, IL, USA
Gwr	Gwraspe (via Priyom)	SDX	Sat Dxr
Gwr-J	Gwraspe via remote rx Japan	W9SPY	Curt
Gwr-UKR	Gwraspe via remote rx Ukraine	WP3	Wolfgang Palmberger
HFD	Hans-Friedrich Dumrese, Germany		



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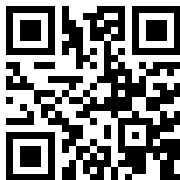
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086 88932 78987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 78  
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