

670	27364	92836	09428	61208	74982	36498	32764	81276	01
0986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
0723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
058	63298	75698	27465	87326	49876	28376	81273	98615	62
067	87432	74328	78674	29867	32867	67867	86786	43206	432
067	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
076	87698	69876	87698	69876	87612	12341	34867	86798	632
067	43298	65656	56756	56123	32143	14321	32143	14321	321
071	02787	58765	76587	58765	76587	58765	76587	58756	765
070	75470	26547	54365	36543	54365	36543	54365	36543	543

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

*Edition #223, April 2016*

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.

Welcome to the 223<sup>rd</sup> edition of Numbers & Oddities. The GRU tests as described below were a nice surprise in April. Further we have the usual logs and transcripts and also some thoughts about the mysterious S-marker.

Thanks to everyone who contributed.

#### MILESTONES

01-02-2016: 21 years N&O  
01-05-2016: 17 years N&O website  
28-03-2016: 10 years UDXF – Utility DXers Forum  
21-04-2016: 10 years UDXF website

#### NEW DESIGNATOR

Priyom assigned designator F06a to an ASCII F06 (M42d) variant

#### GRU TESTS

Copied by André, PW2, sqr711 and Danix. The GRU tested their equipment for a couple of hours on 12 and 27 April on various frequencies: 7353, 8140, 9300 and 9463 kHz. It involved E06/E06a, S06/S06b, and even the old V06. Messages in various formats were broadcasted in USB, LSB and DSB, both with and without carriers. Below logs of several transmissions.

```
9463 12-04 0840 S06 USB 801 801 801 000000
9463 12-04 0851 E06a LSB 801 801 801 84356
9463 12-04 0857 E06a LSB 801 801 801 26325 00000
9463 12-04 1000 S06b DSB 801 00050 00050 801 00..
                        11111 11111 00050 00050 247 247 2 2 00000
                        11111 11111 00050 00050
                        1111 801 801 801 00050 00050 247 247 2 2 00000
                        801 801 801 11111 11111 00050 00050 247 247 2 2 00000
                        11111 11111 00050 00050 247 247 2 2 00000
                        111 801 801 801 11111 11111 00050 00050 247
                        801 11111 11111 00050 00050
9463 12-04 1117 S06 DSB 801
9463 12-04 1130 S06b DSB 801 11111 11111 00065 00065 524 524 2 2 00000
9300 27-04 1503 S06 DSB 801 444 3 41483 38174 42826 444 3 801
9300 27-04 1506 S06 USB 801 311 15 41483 38174 42826 75280 92205 62465 36997 92833 51868 8619
8140 27-04 1508 S06 USB 801 123 49 10350 91580 80192 ...
7353 27-04 1522 S06 USB 801 239 12 76924 26402 84457 41842
                        801 76924 26402 84457 41842 28481 93595 50831 95164 47571 79408 27861 78241
                        239 239 12 12 00000
```

#### MYSTERIOUS “S” MARKER

The S-marker (not the cluster beacon) can be compared with the markers sent by the Tu-95MS Bear H net. When a marker appears on the Tu-95MS net you can expect CW traffic. The same may happen when the S-marker appears. CW traffic will follow but not so often as on the Bear net.

Frequencies: 5014, 6754, 8821, 9363.5 kHz.

Marker S is sent for 5 minutes at hh00 to hh05 and hh30 to hh35

Looking at the Russian military news items the appearance of the S-marker seem to be connected to activities of the ballistic missile troops, especially the Iskander/Scarab B units. During the activities mentioned in this news item, the S-marker was active. *“Russia successfully fires cruise missile from Iskander missile launcher”*

[http://www.upi.com/Business\\_News/Security-Industry/2016/04/15/Russia-successfully-fires-cruise-missile-from-Iskander-missile-launcher/4961460735394/?spt=su&or=btn\\_tw](http://www.upi.com/Business_News/Security-Industry/2016/04/15/Russia-successfully-fires-cruise-missile-from-Iskander-missile-launcher/4961460735394/?spt=su&or=btn_tw)

Thanks to uascan for the tip.

---

## VOICE STATIONS



E06

### **5186 kHz, 07-04, 2030 UTC**

891 317 60  
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567  
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594  
77878 46766 09098 78643 09548 46677 90906 89898 56566 67677  
76748 84848 84877 16891 63781 34820 04842 87874 78788 78888  
93296 67423 40968 16891 65781 34820 04842 60491 75924 56784  
09548 45577 90906 89898 56566 67677 23445 34344 45454 34344  
317 60 00000

### **5186 kHz, 21-04, 2030 UTC**

891 317 60  
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567  
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594  
77878 46766 09098 78643 09548 46677 90906 89898 56566 67677  
76748 84848 84877 16891 63781 34820 04842 87874 78788 78888  
93296 67423 40968 16891 63781 34820 04842 60491 75924 56784  
09548 46677 90906 89898 56566 67677 23445 34344 45454 34344  
317 60 00000

### **15650 kHz, 22-04, 0500 UTC**

951 247 103  
20297 35180 72041 43219 33196 68326 89135 26121 36507 44557  
34582 04392 31002 72491 50273 56611 29179 90082 78302 29840  
24324 28678 74993 78628 28811 23269 55893 58711 86326 92360  
88903 61424 87708 35921 77745 99783 45087 24828 02947 82163  
04011 80251 12530 34501 98247 66428 79605 56985 76957 45242  
69035 26147 58906 66061 80371 78301 93420 89269 59255 35276  
32773 66921 94451 58356 45672 28968 42726 41397 26563 48485  
48730 79027 80408 84344 52106 70897 87648 24759 98976 47884  
79025 80151 00019 31227 74955 98768 02312 60489 69140 03499  
67135 51324 61110 73301 70916 68952 67366 17724 71509 28301  
65842 17900 06992  
247 103 00000

### **5195 kHz, 22-04, 2100 UTC**

634 019 43  
70024 87741 02068 68595 95778 56367 34653 60559 82570 45156  
24438 72154 22719 41168 33808 69825 13283 16649 48363 68257  
83043 81107 08179 98658 81074 65458 70521 25914 67241 68767  
53266 59398 50908 42570 41839 92042 70318 24895 40534 04271  
31782 11607 02817  
019 43 00000

---



## E06a

GRU tests

**9463 kHz, 12-4, 0851 UTC** 801 801 801 84356  
**9463 kHz, 12-4, 0857 UTC** 801 801 801 26325 00000

**9048 kHz, 12-04, 1530 UTC**

158 396 2  
11111 00079  
396 2 158 037 62  
76273 44478 75835 74941 60325 52744 48510 51583 92587 72889  
11280 14992 54209 87784 39111 18103 75376 50868 86778 47654  
29102 98866 71180 29521 26681 72801 95164 41583 50742 26999  
11286 26286 86831 30763 48953 20106 39469 92419 53390 42090  
43622 60410 09840 08676 07518 81119 51475 66954 47746 18137  
74432 63589 02583 62618 08405 91564 34472 89466 16253 81946  
57614 38983  
037 62 00000

---



## E07

**12108/10708/9208 kHz, 06-04, 1900/1920/1940 UTC**

172 172 172 1 651 71 651 71  
76269 31931 22267 89950 33530 65976 59283 97678 17496 49381  
12313 00679 27198 44543 71213 01945 08879 37105 10585 16940  
10176 40173 09811 37501 99736 17433 09655 40231 54695 64308  
39428 45681 77424 52243 11059 63442 91498 34088 03085 26099  
15909 50811 40781 17105 05972 73328 50281 85930 67917 61236  
93174 38923 89224 52982 13262 20917 20975 95177 14631 21113  
89069 09157 03196 84269 01449 12129 27884 69273 17211 10679  
08134  
000 000

**9064/10264/11464 kHz, 16-04/17-04/23-04/24-04, 0600/0620/0640 UTC**

024 024 024 1 973 95 973 95  
68803 76201 42520 50924 53493 15039 69785 23176 89376 78699  
58759 96033 65717 95994 67085 09852 17379 15230 27019 60854  
02119 25481 65728 90551 35770 44495 10681 83440 71403 02886  
43691 86508 82378 04295 73108 69480 13090 55690 70177 94166  
40799 44541 49982 44889 16548 47565 18365 38613 08492 18290  
55268 91154 37682 93003 88542 38799 34232 26708 94499 93048  
77592 82730 73543 63984 12284 44635 16251 63024 58565 40742  
51223 75736 53917 07877 64489 90447 85097 74436 20068 42227  
52594 00534 59555 64896 42105 09022 31832 90404 78602 50245  
60145 06895 47107 60589 16559  
000 000

**9208 kHz, 25-04, 1940 UTC**

172 1 9323 59  
39896 97869 38074 77021 13607 99440 27128 94945 73803 23987  
78552 59782 99417 10901 92019 15535 56712 91677 24606 10652  
48645 33789 91258 51687 78467 43416 81780 45659 53685 58179  
71692 20373 89307 53597 44633 66585 57009 11352 73736 96200  
72285 64738 48029 65124 58266 84464 97848 10649 32963 18066  
34833 55137 96116 74766 01434 49288 19875 49753 49727  
000 000

---



*E07a*

**8144/6944/5744 kHz, 13-04, 2000/2020/2040 UTC**

197 197 197 1 62410 7159 73 7159 73  
67182 17995 48066 06306 24307 67012 32439 75270 42571 93303  
68115 86579 49418 68307 86376 57899 30558 76329 28008 51368  
13441 89843 85386 36568 45207 69956 94917 36246 11713 43712  
67775 93815 72613 61024 15658 16882 48489 24985 98979 32733  
25603 78876 89499 40958 98828 19184 27001 61397 96044 50096  
11024 37229 87710 47257 99063 69727 25551 81997 06670 59537  
53553 93524 07679 19614 20452 75043 48028 00418 77629 36834  
48069 44653 38233  
000 000

**6788/7488/8188 kHz, 14-04, 0430/0450/0510 UTC**

741 741 741 1 62410 7159 73 7159 73  
67182 17995 48066 06306 24307 67012 32439 75270 42571 93303  
68115 86579 49418 68307 86376 57899 30558 76329 28008 51368  
13441 89843 85386 36568 45207 69956 94917 36246 11713 43712  
67775 93815 72613 61024 15658 16882 48489 24985 98979 32733  
25603 78876 89499 40958 98828 19184 27001 61397 96044 50096  
11024 37229 87710 47257 99063 69727 25551 81997 06670 59537  
53553 93524 07679 19614 20452 75043 48028 00418 77629 36834  
48069 44653 38233  
000 000

**12174/11074/10274 kHz, 15-04, 1510/1530/1550 UTC**

102 102 102 1 62016 1292 95 1292 95  
40502 55508 95593 28252 55195 36751 07647 16559 48619 43833  
84132 92490 09152 80389 27970 75837 84150 48435 73048 96179  
70310 22592 93734 66284 70272 28492 75805 72457 79212 64372  
04421 29273 78278 87438 34691 71080 46846 98270 79201 67052  
91319 44813 47578 07471 56195 12544 68101 54844 05548 45177  
85747 72999 64138 75381 81774 41871 19082 69252 28659 04938  
58585 44423 32998 30739 93008 14592 90800 21329 18328 60079  
10216 16116 95904 62560 71658 46452 98752 02994 43319 71401  
67803 66303 56830 32804 55697 44360 14437 99448 68445 19859  
25059 17458 75954 12744 61195  
000 000

**12218/13418/14418 kHz, 16-04, 0800/0820/0840 UTC**

244 244 244 1 62016 1292 95 1292 95  
40502 55508 95593 28252 55195 36751 07647 16559 48619 43833  
84132 92490 09152 80389 27970 75837 84150 48435 73048 96179  
70310 22592 93734 66284 70272 28492 75805 72457 79212 64372  
04421 29273 78278 87438 34691 71080 46846 98270 79201 67052  
91319 44813 47578 07471 56195 12544 68101 54844 05548 45177  
85747 72999 64138 75381 81774 41871 19082 69252 28659 04938  
58585 44423 32998 30739 93008 14592 90800 21329 18328 60079  
10216 16116 95904 62560 71658 46452 98752 02994 43319 71401  
67803 66303 56830 32804 55697 44360 14437 99448 68445 19859  
25059 17458 75954 12744 61195  
000 000

**8144/6944/5744 kHz, 20-04, 2000/2020/2040 UTC**

197 197 197 1 33936 6769 61 6769 61  
99503 88422 40225 24436 50446 39380 96952 24418 43460 00767  
18076 51491 46394 96759 26865 55675 00582 48775 69269 37556  
97417 32080 73897 86809 61507 55014 05286 29133 79283 74046  
82977 77721 29420 70318 17168 26844 45616 49537 86508 11970  
32871 73732 88025 95657 71714 05116 17197 26357 38651 49164  
00655 11927 11705 52146 17264 03564 97482 20743 51072 80701  
75726  
000 000

**6788/7488/8188 kHz, 21-04, 0430/0450/0510 UTC**

741 741 741 1 33936 6769 61 6769 61  
99503 88422 40225 24436 50446 39380 96952 24418 43460 00767  
18076 51491 46394 96759 26865 55675 00582 48775 69269 37556  
97417 32080 73897 86809 61507 55014 05286 29133 79283 74046  
82977 77721 29420 70318 17168 26844 45616 49537 86508 11970  
32871 73732 88025 95657 71714 05116 17197 26357 38651 49164  
00655 11927 11705 52146 17264 03564 97482 20743 51072 80701  
75726  
000 000



**E11a**

**15825 kHz, 01-04, 0730 UTC**

353/35 Attention  
25767 61206 45265 51435 24809 04637 64995 98713 55348 29959  
34256 59984 32147 53247 59397 46157 02862 48479 94819 05637  
36074 08018 00506 68776 46539 56346 21818 37137 73908 61712  
07173 17791 09833 07766 77222  
Attention, rpt msg, out

**9399 kHz, 04-04/06-04, 0900 UTC**

533/38 Attention  
06798 23655 13124 77083 66705 17771 23403 11801 56058 98443  
77412 20099 38310 95426 06178 63316 12847 05130 88286 93360  
21479 85815 61331 78720 39503 51403 23071 21183 44223 65869  
56700 23552 83440 79589 83373 81504 89241 49193  
Attention, rpt msg, out

**10690 kHz, 08-04, 0830 UTC**

646/30 Attention

15540 07809 42719 67680 03626 47444 97667 40240 13030 43257  
14704 41981 47943 76614 22027 91897 82930 26413 15789 32713  
42760 05485 82046 72922 48328 25647 54219 70890 92121 65762

Attention, rpt msg, out

**10213 kHz, 09-04, 1705 UTC**

393/35 Attention

76773 92533 14980 42162 62228 69163 78752 76863 07643 01470  
26044 74578 69851 44176 67064 94910 22805 27707 07414 99132  
70944 11647 55601 74714 13080 84536 61774 49449 05490 32921  
93656 25271 95818 65283 46532

Attention, rpt msg, out

**6304 kHz, 11-04, 0450 UTC**

416/36 Attention

55360 77723 28940 70609 77834 15824 58611 60859 88387 58441  
85016 66213 42435 04253 48426 96468 21316 91407 39528 85183  
52511 76150 54114 54970 35088 67081 46636 27133 43055 30275  
78023 32536 82579 38410 79733 16763

Attention, rpt msg, out

**6923 kHz, 11-04/14-04, 0820 UTC**

438/30 Attention

34453 25097 52989 64538 47310 67037 05727 07653 56741 24290  
23591 50369 37724 57776 97051 53386 02600 68442 08199 86555  
41564 03948 96912 89828 38969 98837 50416 89611 87435 18069

Attention, rpt msg, out

**6397 kHz, 12-04/17-04, 1605 UTC**

231/34 Attention

45315 59561 17525 69774 96858 32544 05329 47657 10864 83418  
67063 27999 56006 94448 19806 91679 67113 90103 59369 72320  
41513 27083 84561 66142 64018 34057 18025 50137 60435 90846  
39572 98193 09847 47245

Attention, rpt msg, out

**15915 kHz, 15-04, 0545 UTC**

344/40 Attention

19361 15574 90447 22534 13529 55822 33591 13066 73263 96993  
47739 89089 36822 16517 74057 37734 54529 75299 18746 08824  
19312 65997 51742 08515 89221 61107 80194 76571 72802 15179  
45493 06674 67911 51691 22547 08941 26674 29543 38303 72481

Attention, rpt msg, out

**8186 kHz, 16-04/17-04, 2005 UTC**

369/38 Attention

79981 20483 26744 38769 14595 36948 56366 65179 42846 92756  
57571 37750 98956 35383 22953 37921 74662 80998 53825 31081  
01291 58344 82970 83439 04231 67150 62755 49399 18867 75767  
73590 82250 91244 46192 40801 71239 13115 41325

Attention, rpt msg, out

**20286 kHz, 18-04, 1225 UTC**

521/31 Attention

61636 35688 17621 78482 03430 70958 35346 95269 11343 32355  
40824 22958 39894 51575 82719 90508 37688 29940 37476 12394  
41548 45100 60192 44010 91641 39739 03290 09337 56566 12982  
90522

Attention, rpt msg, out

**9443 kHz, 19-04/20-04, 1205 UTC**

460/30 Attention

87890 62027 46747 20488 60497 78626 95157 17323 97428 61526  
63803 14534 26958 11782 14390 90238 17472 76277 00235 53065  
47643 39034 39004 54591 87699 94324 32107 52362 12230 28233

Attention, rpt msg, out

**11450 kHz, 20-04/24-04, 0805 UTC**

315/32 Attention

03508 51926 33292 46917 29773 30795 28794 34969 12298 98277  
21055 42986 40959 17985 59409 27885 96121 20715 47443 56547  
32577 86524 62792 90479 41425 98932 67313 32634 73332 80652  
97187 79897

Attention, rpt msg, out

**8803 kHz, 20-04, 0930 UTC**

275/39 Attention

62935 44887 30523 42455 97590 30939 90564 44943 85005 17748  
87808 71588 20677 26279 88904 47891 06825 54254 69425 71639  
93705 85332 94937 15243 43068 80601 35202 65337 14359 68339  
37911 85791 13003 42508 52247 71464 70571 75707 68191

Attention, rpt msg, out

**10448 kHz, 20-04/24-04, 1625 UTC**

972/36 Attention

74314 23330 67400 97769 28082 00286 14511 55266 98685 44539  
04750 11888 84700 07185 86185 86253 08587 38287 97060 55768  
61037 19308 89546 14699 58996 84824 91130 84060 39626 95416  
34044 14673 13763 68506 00303 15682

Attention, rpt msg, out

**7377 kHz, 22-04, 2000 UTC**

577/38 Attention

73196 50824 85198 30749 61771 23903 38976 10663 91088 06325  
84255 73966 74734 43779 03119 41742 39293 67178 43859 39983  
28256 45167 27793 33182 04177 37602 97050 22836 11410 47181  
68497 37294 95978 93073 21185 34804 18677 95958

Attention, rpt msg, out

**10800 kHz, 26-04/28-04, 0645 UTC**

510/32 Attention

96622 07137 88101 46019 68753 49538 63798 71968 64439 71079  
44733 47201 64310 87815 81717 85944 50859 85985 29940 43563  
86968 02508 70892 44356 31640 89309 97597 48405 52163 02844  
79222 04684

Attention, rpt msg, out



**10620 kHz, 28-04, 1925 UTC**

526/32 Attention

48440 95681 99379 80512 61012 12123 98749 34268 55215 53937  
44150 32145 97431 99770 79541 67789 61777 63836 86604 36048  
01408 07308 66394 48260 29768 88207 50818 36518 07736 77117  
39907 02391

Attention, rpt msg, out

**10221 kHz, 29-04, 0710 UTC**

631/30 Attention

09996 06934 64783 90402 33143 54326 99115 50159 94587 35476  
31386 74598 65280 20394 51095 52986 46761 40961 67929 75688  
60323 07899 26432 36512 94410 09749 71923 50086 20099 43261

Attention, rpt msg, out



E17z

**14260/12930 kHz, 14-04, 0800/0810 UTC**

674 952 8 88620 58069 61723 74537 57440 10597 23521 47660 952 8 00000

**14260/12930 kHz, 21-04/28-04, 0800/0810 UTC**

674 290 5 57914 99227 16046 11393 02359 290 5 00000



E25 / E25a

**6140 kHz, 05-04, 0755 UTC**

185 185 185 185 185 185 185 185 185 185 185 185

Message Message Message

1099 4210 ...

185 185 185 185 185 185 185 185 185 185 185 185

Message Message Message

1099 4210 4782 6535 4742 0757 7385 9224

Rebeat Rebeat Rebeat

1099 4210 4782 6535 4742 0757 7385 9224

End Of Message. End Of Transmission

**6140 kHz, 07-04, 0743 UTC**

185 185 185 185 185 185 185 185 185 185 185 185

Message Message Message

1099 4210 4782 6535 4742 0757 7385 9224

Rebeat Rebeat Rebeat

1099 4210 4782 6535 4742 0757 7385 9224

End Of Message. End Of Transmission

**6140 kHz, 11-04, 1010 UTC** Carrier switching on and off

**6140 kHz, 21-04, 1155 UTC**

Music played for 13 minutes. Oum Kulthum - Seret El Hob Part 1. Sounded like a Test transmission but on the wrong freq, Ended abruptly after 12 minutes. Windows 7 sounds during the music.

**9600 kHz, 24-04, 1210 UTC** Music. Regular test transmission. Different music used than normal

**6140 and 9450 kHz, 24-04, 1335-1400 UTC**

Intermittent carriers and different parts of Enta Omri were played, signal was alternating between 6140 and 9450, this went on until 1400 UTC

**6140 kHz, 26-04, 0655 UTC** Carrier switching on and off

**6140 kHz, 26-04, 1105 UTC** Carrier switching on and off

**6140 kHz, 27-04, 1028 UTC** Music: Oum Kulthum- Enta Omri. Ends abruptly 2 minutes later with the transmitter switching off Windows 7 startup sound before the music.

**NOTE FROM QSR711:**

E25 operators sometimes do what I call a "Hot Switch" with their transmitter. They tune it when it's on rather than when it's off. Transmitter seems to be set on 6140 most of the times, and this explains those switches between 6140 and 9450, sometimes even with music. Here's an example of this weird usage of the transmitter: <https://www.youtube.com/watch?v=id32THk6QaU>

Another thing that I want to add is the chance of a third frequency for E25, one higher than the other two. This can be explained because some of those carriers didn't switch between 9450/6140, only in 6140 noted. We even had a rare piece of music (Oum Kulthum- Seret El Hob) in one of them. And I wouldn't be surprised if another E25 ID uses this music (E25 is quite obsessed with Oum Kulthum...).

In case they use a Radio Cairo transmitter, its highest range is around 17Mhz. So we should look in all broadcast bands between 17 Mhz and 11Mhz (This includes 16m, 19m, 22m and 25m bands), as the only known E25 frequencies are inside broadcast bands.

**SCHEDULE NOTES PROVIDED BY QSR711:**

In the last months I have noticed a possible schedule format for E25. The schedules seem to work in 2-month periods. The days are fixed by the day of the week (eg. 1st Thursday) and not by the day number in the month. This format probably works for both frequencies, but I still have to confirm that on 9450. For the moment February-March and April-(May?) are fixed, as I didn't monitor E25 properly during December-January. You can check the highlighted schedules for the following month here:

1st TUESDAY, 0810 UTC, ID 185 (repeats 2 days later)

3rd THURSDAY, 0725 UTC?, Unknown ID (Possible transmission here, I could catch a carrier here but my logging system failed right before the numbers start)

If you want to check E25 full schedule table, here's a link for it. It is WIP and I update it frequently, so check regularly!  
<https://drive.google.com/open?id=10EQI1WHfNfnheyF14aTyVdTTYczXzWGYtKj7CclnJpw>

Thanks to PW2 and QSR711 for their logs and comments.

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G06

**5934 kHz, 14-04, 1830 UTC / 5442 kHz, 15-04, 1930 UTC**

947 317 90

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567  
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594  
77878 46766 09098 78643 09548 46677 90906 89898 56566 67677  
76748 84848 84877 16891 63781 34820 04842 87874 78788 78888  
93296 67423 40968 16891 63781 34820 04842 60491 75924 56784  
09548 46677 90906 89898 56566 67677 23445 34344 45454 34344  
35787 98273 60187 16202 95625 46565 43434 89798 54546 78788  
76748 84848 84877 16891 34567 34820 04842 87874 78788 78888  
68768 76876 58746 58764 87564 85764 87567 64848 85748 84784  
317 90 00000

**10423 kHz, 27-06, 1330 UTC**

058 274 46

46969 84040 96645 79897 33033 72194 21749 73586 19962 71779  
57598 13739 48856 37364 32947 91603 19525 37594 66012 34612  
16402 98224 37100 34770 28844 74069 29549 60715 99446 98882  
83748 61641 10631 47335 71603 72411 39840 19202 66860 30976  
22941 58340 20114 28664 39944 29639  
274 46 00000

**5940 kHz, 28-04, 1830 UTC / 5442 kHz, 29-04, 1930 UTC**

947 019 43

70024 87741 02068 78595 95778 56367 34653 60559 82570 45156  
24438 72154 22719 41168 33808 69825 13283 16649 48363 68257  
83043 81107 08179 98658 81074 65458 70521 25914 67241 68767  
53266 59398 50908 42570 41839 92042 70318 24895 40534 24271  
31782 11607 02817  
019 43 00000



S06

**16318 kHz, 07-04, 0930 UTC**

842 693 50

77813 65581 35517 29972 97525 93760 02542 85872 31614 00538  
85212 28579 69149 84450 17099 55402 19019 06625 62312 04253  
32574 97781 19258 16164 34977 58695 41678 84232 88662 61291  
62910 18681 37382 62583 34312 82707 04243 88628 13775 78840  
42188 80685 65283 90455 60362 20771 55442 08165 74783 78798  
693 50 00000

**9123/5918 kHz, 28-04/29-04, 2130/2230 UTC**

726 901 53  
72562 56770 32258 35463 73039 57185 26715 80903 22163 93164  
62237 55679 77091 49111 28878 25275 16290 47608 65793 91688  
55886 74921 07521 18602 44238 97625 85830 34372 45672 25022  
60578 80052 49311 97045 78000 94613 63948 02352 79887 54559  
84878 56265 12074 10132 43654 93276 05683 85276 76678 53782  
29557 33571 14256

**Freq Date UTC Details**

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7353	27-4	1522	GRU test. 801 239 12 76924 26402 84457 41842 801 76924 26402 84457 41842 28481 93595 50831 95164 47571 79408 27861 78241 239 239 12 12 00000
8140	27-4	1508	GRU test. 801 123 49 10350 91580 80192 ...
9300	27-4	1503	GRU test. 801 444 3 41483 38174 42826 444 3 801
9300	27-4	1506	GRU test. 801 311 15 41483 38174 42826 75280 92205 62465 36997 92833 51868 8619 ...
9453	12-4	1130	GRU test. 801 11111 11111 00065 00065 524 524 2 2 00000
9463	12-4	0840	GRU test. 801 801 801 00000
9463	12-4	1000	GRU test. 801 11111 11111 00050 00050 247 247 2 2 00000 11111 11111 (see N&O 223)
9463	12-4	1117	GRU test. 801

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*S11a*

**5358 kHz, 05-04, 0455 UTC**

321/37 Vnmaniye  
46684 34312 95341 50450 21063 07779 97057 90363 22019 77490  
36376 06883 95863 12503 35340 89571 75232 57139 69216 20034  
19406 51731 42168 55601 55384 16943 75138 03860 33256 84744  
18351 31257 43963 54258 77551 24294 17339  
Vnmaniye, rpt msg, konets

**9960 kHz, 19-04, 1020 UTC**

424/31 Vnmaniye  
02927 52842 54118 16357 42991 87623 04128 42644 26801 11360  
06932 69406 03041 64383 92046 18649 45290 90101 94365 29065  
07438 84098 02820 59377 17326 96095 35433 93116 80610 55543  
32204  
Vnmaniye, rpt msg, konets

**16112 kHz, 25-04, 1015 UTC**

478/34 Vnmaniye  
14416 31481 83876 67505 13746 84190 02171 09934 02535  
97996 51728 03556 14723 71722 16358 53673 22342 89381  
83376 31352 51647 86056 24227 24511 26474 93401 85022  
28365 08024 99048 20626 32802 91158 77406  
Vnmaniye, rpt msg, konets

**7317 kHz, 26-04/29-04, 0915 UTC**

482/40 Vnimanije

61609 44276 20059 20190 21368 68660 25758 51029 81158 91956  
84453 84333 16802 91002 70168 54037 39823 40781 52885 90801  
04794 52705 71127 01243 58862 90609 62119 36885 03476 91603  
70974 76242 02232 98886 62503 58308 35689 39093 93716 69568

Vnimanije, rpt msg, konets



**S28 - The Buzzer**

Mode: USB

Frequency: 3216 & 4625 kHz

Date	UTC	Details
7-4	1251	ZhUOZ 55030 GRUZINSKIJ 68160043
7-4	1312	ZhUOZ 68??? BYeZDOZhD'Ye 28745219
7-4	1317	ZhUOZ 67111 GOSTOShAR 72686914
7-4	1356	ZhUOZ 85602 VYeRTOLYeTNYJ 72026932
11-4	0840	ZhUOZ 54324 APAKOShAIR 36607001 Female voice in the background saying Operativnyy dezhurnyy (Duty officer)
11-4	0842	ZhUOZ 23390 VTORICHNOST' 07588642
11-4	1230	ZhUOZ 44649 DIODOSLOM 27921121
11-4	1243	ZhUOZ 11987 DAROKRON 58470178
11-4	1343	ZhUOZ 66311 VRACHOPIM 81371117
11-4	1346	ZhUOZ 31641 BRAKOPAK 85776647
11-4	1438	ZhUOZ 15905 DZhYeMOPONG 05600977
11-4	1533	ZhUOZ 01282 KOVShODUB 83771470
11-4	1542	ZhUOZ 76615 DIODOPIR 21432879
14-4	1110	ZhUOZ 16529 LYeGKOKRYLYJ 13529462
14-4	1702	ZhUOZ 18626 BRAKOCHeS 51018306 Voices in the background
14-4	1744	ZhUOZ 79530 KRYMOKOKS 90206368
18-4	1031	ZhUOZ 42436 KLINOShVAB 48917214
18-4	1600	ZhUOZ 40834 KRYeZOShIFR 97843852
18-4	1602	ZhUOZ 52418 YeVPATORIYa 95805744
18-4	1603	ZhUOZ 02359 BAROSER 64680733
18-4	1701	ZhUOZ 31211 VYeSTOZVON 02238893. Female voice in the background
18-4	1702	ZhUOZ 36283 INOZYeMYeC 32908709
18-4	1732	ZhUOZ 88817 ZLOPOLUChNYJ 57067459. CW in the background
21-4	0809	ZhUOZ 79999 GALOSLON 41598296
21-4	1139	ZhUOZ 40622 GIACINTOVYJ 42805676 Buzzer off freq. Transmitter failure
21-4	1533	ZhUOZ 95545 KORZhOVNUK 30551546
22-4	0536	Test tones while attempting to fix the transmitter
24-4	1257	ZhUOZ 08632 GROShOLIN' 46120694
24-4	1420	ZhUOZ 42932 GRUZOKLUCh 66053566
25-4	0917	ZhUOZ 39339 ALOGIChNYJ 45413922
25-4	0926	ZhUOZ 60934 KURAZh 21859441
25-4	0937	ZhUOZ 36836 ZLATOGLAZIK 44437430
25-4	0958	ZhUOZ 99565 DONORNYJ 32872445

Date	UTC	Details
25-4	0958	ZhUOZ 39279 DVOROBYK 13494148
25-4	1105	ZhUOZ 16204 BYeGOTAT 23576493
25-4	1125	ZhUOZ 01367 KLYeVOKOSh 02007694



## S30 - The Pip

Modes: CW (Pip), USB (messages)  
Frequencies: 3756 kHz (night), 5448 kHz (day)

Freq	Date	UTC	Details
3756	5-4	1839	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS
3756	6-4	1954	79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch
3756	7-4	1842	BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR
3756	8-4	1706	N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM
3756	10-4	1730	SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV DEAY
3756	11-4	1437	8S1Shch 29768 GLYePOGLAZ 41219668
3756	11-4	1539	8S1Shch 40998 NASTOBALL 48156647
3756	11-4	1805	TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT
3756	12-4	1652	42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh error in reading
3756	12-4	1845	ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh
3756	14-4	1658	8S1Shch 18761 KOLLYeZh 58399015
3756	14-4	1744	8S1Shch 93613 LIDSOSVOD 03237376
3756	16-4	1733	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS
3756	18-4	1548	8S1Shch 83285 GOLODNYJ 36169001
3756	18-4	1650	8S1Shch 56691 ANUSOFAL 01679930. Error in reading
3756	18-4	1651	8S1Shch 58760 NYeVADSKIJ 27731269. Count before the signal
3756	18-4	1657	8S1Shch 45648 LOZhYeChKA 91022254
3756	18-4	1708	8S1Shch 74132 GROGOTRYeK 32628589
3756	18-4	1725	8S1Shch 14337 KANOKBIT 33757335
3756	21-4	1742	V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV
3756	22-4	1846	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3
3756	24-4	1413	8S1Shch 52968 GOLOKYeIF 04400445
3756	24-4	1801	TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E F61N
3756	25-4	0512	37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C
3756	25-4	1838	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'
3756	26-4	1711	Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT
3756	27-4	1701	8S1Shch 99601 KONFYeTChIK 51518193. Time mark after the signal
3756	27-4	1749	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS
3756	27-4	1831	8S1Shch 14110 KVADRATIK 89853484. Time mark after the signal
3756	28-4	1751	12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T
3756	28-4	1758	8S1Shch 42112 BUHARINSKIJ 03660214. Time mark after the signal
3756	29-4	1756	OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV
5448	11-4	0508	JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 error in reading
5448	18-4	1519	OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV
5448	18-4	1538	8S1Shch 77128 DUBLYeN'Ye 92443442
5448	18-4	1541	8S1Shch 41172 KLINOK 66670104
5448	21-4	1522	8S1Shch 70014 NAHAL 92177103
5448	22-4	1519	DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V
5448	24-4	0536	6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ
5448	24-4	0633	1 2 3 4 5 6 7 8 9 10 Test count



## S32 - Squeaky Wheel

Mode: USB

Frequencies: 3838 kHz (night), 5473//7009 kHz (day)

Freq	Date	UTC	Details
3828	5-4	1632	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZH'E-26
3828	5-4	1659	AL'FA-45 72556 LYaZGOBORN 82453771
3828	5-4	1851	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46
3828	6-4	1623	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27
3828	6-4	1727	AL'FA-45 26961 92890 35317 NUKLON 32974992
3828	6-4	1911	AL'FA-45 20509 51782 NADKLYeJKA 11760388
3828	6-4	1946	AL'FA-45 58979 61978 NYeMIRNYJ 04251104
3828	6-4	2041	AL'FA-45 03061 19991 LYeNOZhMOT 87773028 error in reading, S30 in the background
3828	6-4	2057	AL'FA-45 15999 19269 37539 YeRShISTOST' 52393855
3828	7-4	1820	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40
3828	9-4	1752	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZH'E-26 SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA
3828	10-4	1803	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62 RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTA
3828	10-4	1920	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ
3828	11-4	1759	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62 with PIP S30 in the background
3828	12-4	1833	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40 with S30 in the background
3828	14-4	1702	AL'FA-45 47305 ZYeTOFIKS 85272519
3828	14-4	1748	AL'FA-45 94722 KOLUMBIJKA 28577590
3828	18-4	1653	AL'FA-45 82704 MATChOLYaZG 24958270
3828	18-4	1656	AL'FA-45 78307 GORISPOLKOM 24982157
3828	18-4	1700	AL'FA-45 41630 OBUHORUL' 27739405. S30 in the background
3828	18-4	1711	AL'FA-45 93090 MORYaCKIJ 11710201. S30 in the background
3828	18-4	1728	AL'FA-45 15390 BABKINA 54663211. S30 in the background
3828	20-4	1733	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZH'E-26 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZ
3828	21-4	1746	NYeVKA-26 SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62
3828	22-4	1618	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZH'E-26 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZ
3828	22-4	1644	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68
3828	24-4	1654	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZH'E-26 SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA
3828	25-4	1720	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40 with S30 in the background
3828	26-4	0209	ZASLONKA-27 RYeZINA-38 RUZH'E-26 DZhIGIT-46 KURGAN-40 DUBLYoR-68
3828	26-4	0247	RYeZINA-38 YaHTA-94 NYeVKA-26 91269 88518 46419 GIBYeL' 53314205
3828	26-4	0252	RYeZINA-38 YaHTA-94 NYeVKA-26 85075 10657 85437 OBUChYeNIYe 07565370
3828	26-4	0257	RYeZINA-38 YaHTA-94 NYeVKA-26 19963 26672 48059 MAIS 32200093
3828	27-4	1706	AL'FA-45 48631 BLAGODYeYaNIYe 46112205
3828	27-4	1727	AL'FA-45 63635 33161 57318 NYeONOKLIR 32972762 with S30 in the background
3828	27-4	1836	AL'FA-45 88848 VKUSOHRYCh 98694569
3828	27-4	1912	AL'FA-45 49343 32867 BLYeDNLOLIKIJ 17425933. Failed attempt. Sends msg to wrong addressee
3828	27-4	1913	Shch8AF CShch9Ye 49343 32867 BLYeDNLOLIKIJ 17425933
3828	27-4	1926	Shch8AF CShch9Ye 07392 72569 IPPOLOGIYa 82187175 with S30 in the background

Freq	Date	UTC	Details
3828	27-4	1952	Shch8AF CShch9Ye 98398 08330 DOLZhNYJ 04798992 with S30 in the background
3828	27-4	2042	Shch8AF CShch9Ye 87994 87659 MADAPOLAM 88922762
3828	27-4	2056	Shch8AF CShch9Ye M7KS 48400 57684 56811 MYeShchANKA 47425933
3828	28-4	1803	AL'FA-45 05039 ZATYeJShchICA 34958645 with S30 in the background
3828	28-4	1819	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 with S30 in the background
3828	30-4	1941	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZh'E-26



## S5292

Frequencies: 5252 kHz USB

Date	UTC	Details
22-4	0905	TRYeL'-31 34405 VRAZhDA 42358578
22-4	1640	VIZIR-21 11209 RITOR 64739863
25-4	1158	VIZIR-21 05885 RADUGA 53659342
25-4	1400	RYeGATA-75 23842 SUGROB 62688654 count before the signal
12-4	1311	Marker broken



## V07

### 14823/13423/11523 kHz, 10-04, 0300/0320/0340 UTC

845 845 845 1 576 49 576 49  
 17688 21518 99208 95670 40031 95068 20028 53385 16761 37805  
 69833 69001 69463 43218 13905 16071 53816 23300 93640 18002  
 08004 00508 20804 99799 57112 85071 16118 46681 89357 38526  
 35712 36764 17847 45879 79312 74176 64330 43170 42715 93029  
 19201 18586 04888 37322 21134 68002 13615 81636 96948  
 000 000

	<p><i>V13 - New Star Broadcasting Station</i>  <u>星星廣播電台 Xīngxīng guǎngbò diàntái</u></p>
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### Current schedules:

15388 kHz New Star Broadcasting #1 0200 UTC	15250 kHz New Star Broadcasting #3 0700 UTC
15388 kHz New Star Broadcasting #1 0300 UTC	15250 kHz New Star Broadcasting #3 0800 UTC
15388 kHz New Star Broadcasting #2 0400 UTC	7502 kHz New Star Broadcasting #4 1200 UTC
9522 kHz New Star Broadcasting #4 0500 UTC	7502 kHz New Star Broadcasting #4 1300 UTC
9522 kHz New Star Broadcasting #4 0600 UTC	





V24

**V24 Schedule, first quarter, 2016**

**V24 Schedule Version 12.0, Token**

Day	1300	1330	1400	1430	1500	1530	1600	1630
1						6310		
2								
3				5290		6310		
4								
5				5290	6215			
6								
7					6215			
8								
9								
10								
11						6310		
12								
13				5290		6310		
14								
15				5290	6215		5900*	
16								
17					6215			
18							5900*	
19					5715			
20								
21					5715			
22							5900*	
23						4900		
24								
25						4900	5900*	
26				5715				
27								
28				5715				
29								
30								
31								

**Based on observations from February 14, 2016 (when V24 returned to operation), to April 26, 2016.**

**\* May not transmit, 1600 UTC time slot somewhat less regular than other time periods.**

**Transmit site potentially identified as Gongneung, Seoul, South Korea, 37.638548, 127.110523, by bclman, a South Korean listener who drove there and listened during at least 2 transmissions. This also supports the Echo of Hope an jammer crosstalk previously heard.**

**Note the change in transmission habits, from previous two days in a row to same message sent two days with one inactive day between them except in the 1600 UTC time slot.**

**Note hours of operation change, now appear to only be active from 1430 to 1600 UTC.**

## V24 report written by Token

Based on observations since V24 re-started transmissions on February 14 I have put together a prediction chart. For the first couple of months V24 appeared to be trying new things and has only settled into relatively stable operation for the last 6 weeks or so.

V24 appears to have narrowed its times of operation, repeated transmissions appear to only happen with start times from 1430z to 1600z. There have been some transmissions before 1430z, however those appear to have been before V24 started using a repeating schedule.

V24 has changed the cycle that it operates on. In the past it operated two days in a row with the same message at the same time on the same frequency. So on day 5 of the month at 1500z on 5715 kHz a transmission would occur, and the next day, the 6th day of the month, the same message would be sent at the same time on the same frequency. However now it no longer does this. Instead now it waits a day between transmissions. So that on the 5th day of the month at 1500z on 6215 kHz a transmission occurs, it skips the 6th day, and on the 7th day of the month at 1500z on 6215 kHz the same transmission is sent again.

My newest prediction chart can be found at the same place it is always at:

[http://www.tokenradio.net/Radio/SharedFiles/NumbersTfer/V24\\_M94\\_latest\\_sched.JPG](http://www.tokenradio.net/Radio/SharedFiles/NumbersTfer/V24_M94_latest_sched.JPG)

Past schedules for comparison can be found here:

<http://www.tokenradio.net/Radio/SharedFiles/NSTfer.htm>

T!

Mojave Desert, California, USA

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## *VC01 - Chinese Robot* *Chinese Air Defense*

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 2519, 3679, 3749, 3837, 4029, 4075, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 5006, 5195, 5232, 5288, 5303, 5328, 5330, 5393, 5436, 5592, 5700, 5742, 5802, 5832, 6209, 6479, 6505, 6771, 6840, 6858, 6860, 6916, 6949, 6960, 7090, 7351, 7506, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 9000, 9169, 9192, 9209, 9290, 9340, 10508 kHz.

Logged on 4029 kHz on

05-04, 1838 UTC    06-04, 1202 UTC    06-04, 1304 UTC    07-04, 1300 UTC    08-04, 1740 UTC    10-04, 1835 UTC  
21-04, 1303 UTC

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## *VRO1*

This very odd and still unid station was on the air again. It seems that most afternoon transmissions are around 1600 UTC on freqs near 6985 kHz, most of the times in LSB, while the transmissions on freqs near 13966 kHz are often in the morning between 0700 and 1000 UTC.

6992 kHz, 03-04, 1559 UTC    2 6 900 90 6 900 80 vyerh 8 30, niz 12 6 900 v vyzove (in call)

6980 kHz, 03-04, 1605 UTC    da 6 6 900 80 allo 6 900 80 vyerh 8 30 niz 12

6980 kHz, 03-04, 1613 UTC    da 6 6 900 80 allo 6 900 80 vyerh 8 30 niz 12

6980 kHz, 03-04, 1620 UTC 6 900 80 8 30 ? 11

6980 kHz, 03-04, 1627 UTC 6 900 80 8 30 ? 11

**Transcript:**

2 6 900 90

6 900 80 vyerh (upper limit) 8 30, niz (lower limit) 12

6 900 80 vyerh 9, niz 11

6 900 80 vyerh 10, niz 10

6 900 80 vyerh 8 30, niz 8 30

6 900 80 vyerh 8 30, niz 12

6 900 80 vyerh 9, niz 11

6 900 80 vyerh 9 30, niz 10

6 900 80 vyerh 8 30, niz 11

6 900 80 vyerh 9, niz 10 30


8 30, 8 30

9 30, 11

Sometimes he says: da, da (yes, yes) - as if listening to some instructions by phone or headphones.

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## **MORSE STATIONS**

	<p style="text-align: center;"><b>MX</b></p> <p style="text-align: center;"><u><i>Russian Military beacons</i></u></p>
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**Current cluster frequencies:**

3594, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz

**Other frequencies:**

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 5466 kHz (seldom reported these days)

S 5014, 6754, 8821, 9363.5 kHz (Rocket Forces)

W 5835, 8112, 8162 kHz (Air Force)

**Cluster beacon slots:**

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan

The S-marker (not the cluster beacon) can be compared with the markers sent by the Tu-95MS Bear H net. When a marker appears on the Tu-95MS net you can expect CW traffic. The same may happen when the S-marker appears. CW traffic will follow but not so often as on the Bear net.

Frequencies: 5014, 6754, 8821, 9363.5 kHz.

Marker S is sent for 5 minutes at hh00 to hh05 and hh30 to hh35

Looking at the Russian military news items the appearance of the S-marker seem to be connected to activities of the ballistic missile troops, especially the Iskander/Scarab B units. During the activities mentioned in this news item, the S-marker was active. "Russia successfully fires cruise missile from Iskander missile launcher"

[http://www.upi.com/Business\\_News/Security-Industry/2016/04/15/Russia-successfully-fires-cruise-missile-from-Iskander-missile-launcher/4961460735394/?spt=su&or=btn\\_tw](http://www.upi.com/Business_News/Security-Industry/2016/04/15/Russia-successfully-fires-cruise-missile-from-Iskander-missile-launcher/4961460735394/?spt=su&or=btn_tw)

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## M01

### 5020 kHz, 21-04, 2000 UTC

463 504 30 =  
 06582 49859 94847 65548 94997 26445 54841 10151 06528 30324  
 98954 98984 65658 46548 54547 28749 98785 45682 59597 12218  
 49881 64985 54205 49849 45965 51958 65487 26255 64844 65411  
 = 504 30 0 00

### 6510 kHz, 24-04, 0700 UTC

463 183 183 30 30 = =  
 09564 09564 19167 19167 29273 29273 68706 68706 97278 97278  
 70377 70377 80301 80301 56225 56225 85937 85937 24716 24716  
 04382 04382 96572 96572 30109 30109 44813 44813 05499 05499  
 44726 44726 28260 28260 82357 82357 72837 72837 49792 49792  
 11357 11357 80485 80485 70999 70999 87561 87561 47910 47910  
 54094 54094 41279 41279 43709 43709 29272 29272 18308 18308  
 = = 183 183 30 30 000



## M01a

*(incl. former M01c)*

### 4072 kHz, 04-04, 2015 UTC (RC135 present in the Baltic area)

925 925 925 925 74113 74113  
 925 925 925 925 74113 74113  
 925 925 925 925 73617 73617  
 925 925 925 925 73617 73617  
 925 925 925 925 74217 74217  
 925 925 925 925 74217 74217

### 4918 kHz, 22-04, 1630 UTC

844 844 844 410 61  
 040 1  
 111 000

### 4591 kHz, 24-04, 0917-0945 UTC (RC135 present in the Baltic area)

Note: the station came alive when a RC135 was present in Baltic Sea area. Most of the time RAF RC135 aircraft and sometimes USAF aircraft. This is not the first time that this happened, so it looks like that there is a link between RC135 activity and specific M01a traffic.

0912 UTC 517 517  
 0917 UTC 53644 53644 53644 53644 53644 53644  
 0920 UTC 6 ? 5 ? 6 4 3 6 4 4 5  
 0925 UTC 45553 45553 336 45553 45553  
 336 46555  
 333 333 64655 64655  
 333 64655 64655  
 333 64655 64655  
 0940 UTC 999...5...2...49... 79162 ...9... 66079 ...9715 ... 55614 63629 80794 71518 05469 36...50 1... 72520



**British RC-135W arrives at RAF Waddington**

Sources: [https://en.wikipedia.org/wiki/Boeing\\_RC-135](https://en.wikipedia.org/wiki/Boeing_RC-135)

<http://www.defenceimagery.mod.uk/fotoweb/fwbin/download.dll/45153802.jpg>

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M12

**14468/13568/12178 kHz, 07-04/09-04, 1310/1330/1350 UTC**

451 451 451 1 (R) 6156 167 6156 167

85340 94785 15604 79107 08877 68347 90686 99001 07075 56364

47092 87595 16244 82913 67983 87782 62338 38617 63805 07168

94406 61487 22962 14172 28915 53665 23847 56463 68803 89026

05383 28960 25834 40321 87091 01819 23869 38333 68817 04874

43167 17704 99247 53285 69138 21801 27166 08214 97693 36560

26690 46210 94953 71399 18533 65513 85369 30961 69755 84978

05721 96072 42820 56221 76093 24393 28661 16941 13131 47075

71683 05671 20846 61309 56428 00998 27801 17879 29834 16310

13489 28247 04914 42820 67424 03137 08288 65943 43964 84780

44317 37934 32791 31947 45612 08350 38855 52416 64262 47068

85081 65558 17635 93502 05766 99068 67535 59894 63669 91813

45135 93814 91441 54377 90610 10610 04661 76553 02473 91940

79898 82123 25023 33020 80817 72919 29190 84090 52084 93588

99959 48245 92893 27800 35264 61518 30272 61098 50555 88924

90634 72452 06764 22211 66036 60335 06831 33884 48913 04894

27466 52551 34823 99295 94618 82179 11919 22499 50085 25117

03850 64776 48072 76053 35006 18530 14339

000 000

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

546 546 546 1 (R) 9529 90 9529 90  
75479 55070 59259 88002 96575 01469 76756 85676 76387 22805  
65342 53929 65325 31021 39368 47884 98071 95446 82543 10328  
47196 16824 73113 11122 63940 55811 83378 81231 14565 14076  
31566 44675 48329 32555 77945 73538 07772 39290 62704 74630  
31868 90603 15260 71932 03515 45800 74076 50105 18194 49694  
58663 41792 37723 89708 80261 71867 04596 52008 93602 93078  
31133 76248 08026 01435 06599 66569 41406 75675 67243 20950  
55320 18757 74357 76208 58604 95110 78398 91510 02433 23198  
20045 41329 91238 67076 76191 24314 85869 77446 60351 96934  
000 000

**12205/13559/14728 kHz, 11-04, 1100/1120/1140 UTC**

973 973 973 1 (R) 4556 132 4556 132  
08031 73200 48548 64376 10066 50855 69793 36839 50157 66617  
43022 23357 28286 39868 92808 77543 83832 20615 18014 66345  
09733 50206 09632 16407 47945 28209 77307 26189 62936 55680  
85317 64035 38996 69765 78770 46809 66656 47000 90922 49132  
61179 07287 28222 66179 26420 18517 22710 76740 29342 57939  
24008 67426 42566 05576 60397 19772 25289 71011 41671 37793  
61562 49984 75090 58402 12326 06720 24792 49433 43416 81870  
10613 74608 32313 20600 87495 44903 18128 70009 36724 28393  
53021 15593 79387 52968 10858 39081 59326 53270 61836 63471  
34851 16721 25976 88887 05347 34566 96554 02155 02064 09540  
97584 43733 19904 51532 42809 88326 22335 44003 22642 09241  
87357 96287 98913 38261 37273 14928 77142 08155 01848 73113  
52593 52351 50359 94778 09445 08747 43233 82607 61799 41167  
79134 93967  
000 000

**14468/13568/12178 kHz, 14-04, 1310/1330/1350 UTC**

451 451 451 1 (R) 5807 121 5807 121  
56338 68005 59793 57021 28161 15965 66624 82870 37273 40749  
14872 53796 59114 82716 42415 76048 45201 29638 31288 47821  
93536 62360 56937 87979 03515 04647 07882 55414 54671 68973  
71977 56291 21509 37182 57068 40673 15910 83590 74526 66683  
52146 74070 27100 87478 41251 71937 35281 33893 40959 55840  
53459 03825 61114 57178 05951 81004 46501 80642 14070 24576  
02253 50319 14944 56956 33840 10040 60076 27759 82568 96803  
22530 36469 05684 27891 18397 22801 04102 24913 87783 03510  
68227 79758 00716 59500 99353 44984 90016 89982 96486 42604  
79708 99601 12548 59673 59867 15427 88862 56347 49762 14065  
01305 14506 82630 46527 68788 87907 69717 61649 14219 78599  
24707 69744 50895 25938 26924 05975 19420 01324 44479 96098  
49113  
000 000



**9176/7931/6904 kHz, 20-04, 1800/1820/1840 UTC**

257 257 257 1 (R) 184 135 184 135  
95265 58781 43462 02446 53832 55064 50412 99593 38947 22757  
73754 63129 67872 45331 34896 12524 99691 59675 43825 32090  
21754 87632 38745 01325 12513 01519 64543 88158 32456 92254  
73148 74318 41229 19782 38559 23160 40575 22909 70958 78148  
03634 77394 98396 01619 90099 04523 11798 86665 80664 56773  
74958 14853 22064 91225 29291 39651 08050 91939 37741 35818  
70621 84399 59225 39842 82670 39738 18814 65298 17065 02362  
06099 76145 98821 53151 82499 74414 80590 96010 05899 14022  
98792 75231 24599 72195 64605 86619 15448 72381 31354 59731  
66358 83638 77981 18634 44035 91871 82664 13654 56163 86440  
78954 36378 86086 08603 66742 05386 59399 85658 18104 29105  
30139 23433 93658 36909 46848 04678 60082 70946 11806 79847  
69958 86326 77733 04093 17278 44672 96908 47029 70761 41394  
62338 84086 64922 67340 92091  
000 000

**12205 kHz, 25-04, 1100 UTC**

973 973 973 1 (R) 1975 143 1975 143  
21770 85308 53810 54816 24816 08014 99199 66073 10151 51167  
51004 94470 38445 42748 45054 70181 98684 05297 52325 13900  
50537 34436 13241 48792 77882 69999 97822 63990 64365 17391  
19396 44022 05127 90356 87260 43708 23191 45453 24123 22594  
06629 69626 43074 22337 10428 04344 22161 78019 42550 64317  
39444 58938 00031 16830 88744 36825 41494 25222 79924 62524  
06219 84748 12369 17353 77085 87048 23551 85723 92602 68194  
46678 03331 98588 88836 33562 20280 36302 07491 35628 50151  
54343 39318 75778 05715 14818 39595 11998 7443 43935 36779  
91819 67863 19579 82539 42868 90651 39584 39690 28886 81581  
62138 97861 08384 68205 96779 36361 63741 56950 89259 41446  
59512 23980 02987 50535 76391 63498 37914 23487 22996 68178  
62901 53450 02471 98416 05680 23597 41665 23643 36402 61258  
23907 14606 15412 29550 22739 05400 06578 27886 93870 26459  
97469 04496 000 000"

**14468/13568/12178 kHz, 28-04, 1310/1330/1350 UTC**

451 451 451 1 (R) 8351 145 8351 145  
29583 99578 80291 00510 17056 12892 77250 16746 54468 93824  
93811 16249 87490 10804 87728 26420 99801 64694 22346 36934  
84859 83671 15223 43987 99324 60739 26463 12999 36699 47019  
93341 33048 15803 26177 91181 83882 86373 32113 06002 56586  
89265 26016 85374 68641 34773 96237 55679 93483 91523 67473  
91902 06628 35186 14649 91464 77226 57504 33541 88361 98774  
67355 86544 10445 54726 84095 55560 99765 36690 13861 28223  
14328 65048 18298 00825 19891 82146 89659 16496 47154 72378  
98731 17408 91626 45992 36656 27340 63408 45691 14995 81837  
11777 96108 48409 50241 14969 82789 79392 87796 86512 07809  
20929 48238 41086 79313 98572 55121 77072 29977 99139 81697  
59030 21834 13170 57275 97368 24135 10170 60822 25442 57729  
73557 56436 19744 77227 69910 62231 23265 64778 25146 71505  
55614 04862 90656 02760 57624 08100 33914 40472 90214 23535  
02515 62879 75909 12403 93305  
000 000



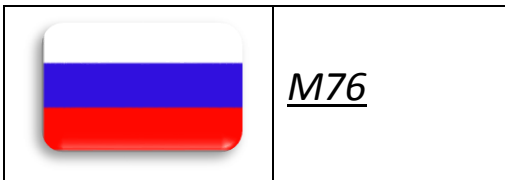
**M21 + variants**  
**Russian Air Defence Forces**  
**Во́йска ПВО Во́йска ПВО**

6019 kHz, 02-04, 0528 UTC 866229736984074321 97138993374422 97179960896268517 996089624 9716993073424  
 0097 21999319391000828 511800 97279960 891289616 993975528  
 3280 kHz, 04-04, 1654 UTC =991954??0?????  
 3314 kHz, 13-04, 1751 UTC =992051??0?????  
 6078 kHz, 16-04, 0511 UTC 8594195506610 = 8591195564710 = 8594195202212 = 8591195569512 =8 594195209214 =  
 8591195569714 = 8591195568516 = 8594195209816



**M41**  
**Russian Air Defence Forces**  
**Во́йска ПВО Во́йска ПВО**

5934 kHz, 15-04, 0828 UTC AYFM AYFM AR  
 5880 kHz, 16-04, 0500 UTC K7H2 K7H2 K7H2 AR  
 5881 kHz, 29-04, 1816 UTC 4RVU 4RVU AR



Still alive and kicking but often too faint to copy.

**3280 kHz, 01-04, 1650 UTC**

YS4A YS4A YS4A de R HOP RHOP QTC 259 30 =  
 26310 14984 91080 25640 82553 01644 32436 17.83 17860 10112....  
 258 33 = 40545 79379 36505 93101 19460....etc.  
 197 18 = 40545 79815 05946 09266 19019....etc.  
 189 20 = 40545 79775 05942 93394 60927....etc.  
 000 24 = 13094 11991 99946 93419 99489 ....etc

**3280 kHz, 05-04, 1650 UTC**

RUUT de NVSH QTC 271 29 =  
 26310 14934 91080 25641 56402 55409 64017 85992 09199 38565  
 03413 62172 50350 71715 11515 36350 7508X RRRRR 206XX WWWW  
 74350 87495 19744 51977 05075 09915 49821 5XXXXX NNNNN =  
 267 50 =  
 40545 79379 39505 94609 26619 00958 99993 73551 53961 29993  
 13559 00960 29993 33551 53961 19993 13559 00960 19993 33551  
 53963 19993 23559 00958 19193 73551 53963 19993 23551 87505  
 93614 99418 65063 36993 80119 46092 21850 59381 69942 96508  
 33699 40011 94609 21619 64285 19920 51995 45218 14263 1486X =  
 197 18 =  
 40545 79815 05946 99266 19019 41199 94135 51539 89199 93893  
 93552 18644 93125 11611 85199 20521 85456 31437 =  
 189 20 =  
 40545 79775 05942 93394 60927 91901 94119 91999 31935 15398  
 91999 39355 56873 91780 29838 69117 86076 97528 93571 0437X =  
 000 24 =



13094 11991 9994694119 99489 36199 95193 81999 59931 19996  
89301 99968 93619 99699 37199 97093 21999 70933 19993 51999  
45199 95919 99601 99966

**3280 kHz, 06-04, 0400 UTC**

JLLK DE 4YHB QTC 272 32 =  
26310 05044 91880 51540 86402 17409 64118 31785 99011 20919  
93856 40918 36217 16501 72604 30361 7089X RRRRR 202XX WWWWWW  
74450 17455 16747 515XX DDDDD 075XX 77050 75069 15506 91601  
5XXXX NNNNN =  
267 50 =  
40545 79379 39505 94609 26619 00958 99993 73551 53961 29993  
13559 00960 29993 33551 53961 19993 13559 00960 19993 33551  
53963 19993 23559 00958 19193 73551 53963 19993 23551 87505  
93614 99418 65063 36993 80119 46092 21850 59381 69942 96508  
33699 40011 94609 21619 64285 19920 51995 45218 14263 1486X =  
265 44 =  
40545 70379 38505 93301 19460 92861 90195 11999 31355 15494  
31999 37355 90195 11999 30355 15494 71999 34355 90194 91998  
38555 15494 71999 34355 90194 91990 35356 15494 21999 37356  
18750 59361 99980 13994 11999 30865 06336 99372 18938 01194  
60921 61064 18543 7XXXX =  
261 50 =  
40545 79370 37505 93201 19460 92661 90193 61999 30355 15498  
51999 80355 90193 61999 30355 15398 60999 40365 90193 31999  
30933 35515 39841 09980 35590 19331 99838 93336 51539 85199  
96335 61865 05933 19996 01399 43109 93088 53633 69936 39993  
72189 39011 04609 21610 64185 20554 52181 42631 60089 3437X =  
197 18 =  
40545 79815 05946 99266 19019 41199 94135 51539 89199 93893  
93552 18644 93125 11611 85199 20521 85456 31437 =  
189 20 =  
40545 79775 05942 93394 60927 91901 94119 91999 31935 15398  
91999 39355 56873 91780 29838 69117 86076 97528 93571 0437X =  
000 24 =  
13094 11991 9994694119 99489 36199 95193 81999 59931 19996  
89301 99968 93619 99699 37199 97093 21999 70933 19993 51999  
45199 95919 99601 99966

**3280 kHz, 06-04, 1650 UTC**

KJQQ DE L3TY QTC 274 28 =  
26310 15044 91080 41564 01831 78599 01129 91993 85650 15836  
21726 48089 18265 10893 63617 RRRRR 202XXX WWWWWW 74452  
37465 19742 522XX 77050 75069 15506 91681 5XXXX NNNNN =  
273 22 =  
40545 79389 31505 93601 19460 92690 31345 79509 31684 28390  
19413 55954 19993 89399 33710 15397 73559 47199 95593 17101  
61734 437XXX =  
265 44 =  
40545 79379 38405 93301 19460 92661 99195 11999 30355 15494  
21999 37355 90195 11993 30355 15404 71999 34365 90194 91999  
35355 15494 71999 34355 90194 91999 35355 15494 21999 37355  
18750 59381 99980 13994 11999 30865 06336 99372 18938 31194  
60921 61064 18543 7XXXX =  
267 50 =  
40545 79379 39505 94609 26619 00958 19993 73551 53961 19993  
13559 00960 19993 33551 53961 19993 13559 00960 19993 39551  
53963 19993 23559 00959 19993 73551 53963 19993 23551 87505  
93613 99418 65063 36993 80129 46092 21850 59371 39949 66506  
33699 4993 994609 21610 64185 19920 51995 45218 14263 1437X =

265 44 =  
40545 70379 38505 93301 19460 92861 90195 11999 31355 15494  
31999 37355 90195 11999 30355 15494 71999 34355 90194 91998  
38555 15494 71999 34355 90194 91990 35356 15494 21999 37356  
18750 59361 99980 13994 11999 30865 06336 99372 18938 01194  
60921 61064 18543 7XXXX =  
261 50 =  
40545 79370 37505 93201 19460 92661 90193 61999 30355 15498  
51999 80355 90193 61999 30355 15398 60999 40365 90193 31999  
30933 35515 39841 09980 35590 19331 99838 93336 51539 85199  
96335 61865 05933 19996 01399 43109 93088 53633 69936 39993  
72189 39011 04609 21610 64185 20554 52181 42631 60089 3437X =  
197 18 =  
40545 79815 05946 99266 19019 41199 94135 51539 89199 93893  
93552 18644 93125 11611 85199 20521 85456 31437 =  
189 20 =  
40545 79775 05942 93394 60927 91901 94119 91999 31935 15398  
91999 39355 56873 91780 29838 69117 86076 97528 93571 0437X =  
000 24 =  
13094 11991 9994694119 99489 36199 95193 81999 59931 19996  
89301 99968 93619 99699 37199 97093 21999 70933 19993 51999  
45199 95919 99601 99966

**3280 kHz, 08-04, 1650 UTC**

Y1N7 DE UI5E QTC 278 29 =  
26310 04964 91080 04264 11831 78602 01120 93763 85649 36217  
16501 72646 36361 80894 RRRRR 202XX WWWWW 73052 97305 268337  
52677 05085 09915 49991 6914X DDDDD 04113 1152X NNNNN =  
276 27 =  
40545 79389 32505 9370 819460 92650 68485 57919 01942 35594  
61999 35610 15398 53559 70199 93671 02188 44931 25118 75059  
38011 13994 40119 46092 26106 41854 47XXXX =  
273 22 =  
40545 69409 31506 94601 19460 92890 31345 79509 31684 28190  
19413 55954 19993 89399 33710 15397 73559 47199 95593 17101  
61734 437XX =  
266 50 =  
40545 etc =  
265 44 =  
40545 etc =  
261 50 =  
40545 etc =  
197 18 =  
40545 etc =  
189 20 =  
40545 etc =  
000 24 =  
13904 etc AR

**3280 kHz, 10-04, 0400 UTC**

AWA de UHW6 QTC 291 27 =  
26310 05084 91080 41540 85411 78599 20926 83856 49341 36117  
18501 72646 36361 86XXX RRRRR 207XX WWWWW 73350 87335 08737  
504XX 77050 65969 16913 DDDDD 075XX NNNNN =  
289 45 =  
40545 79392 31505 93901 19460 92661 90193 01999 30355 15493  
29311 99980 35590 09882 99930 35515 49301 99968 35590 09841  
99938 93035 51549 50191 96035 59009 82199 93131 51549 30931  
19298 03551 97505 94819 99301 39959 39909 58959 63469 94321  
89540 01946 09236 20641 86437 = etc

**3280 kHz, 14-04, 0400 UTC**

8MJI DE 5VN9 QTC 304 38 =  
26310 05124 11080 40864 10686 44256 11864 51831 98599 .....

**3280 kHz, 29-04, 1650 UTC**

QHH5 DE PGNR QTC 379 35 =  
26310 15274 91080 25614 23016 40183 25514 24096 41183 17859  
90112 09256 13525 62873 85649 15834 31336 21726 44089 17162  
30893 63619 089XX RRRRR 202XX WWWW 72751 97315 33741 50877  
05075 15915 49991 5015X NNNNN =  
366 36 =  
40545 79439 32505 95801 19469 92436 18166 29019 94534 93235  
3549 84199 83735 59018 74199 93235 51649 84355 89998 93551  
54948 35589 99891 54932 19993 13552 18029 18753 59591 39933  
33094 63923 54657 93136 13504 37XXX =  
000 30 =  
13094 11991 99946 93419 99489 36199 95193 81999 59932 19996  
89331 99968 93619 99699 37199 97093 21999 70933 19993 51999  
45199 95919 99601 99966 19997 71999 81199 94293 41999 41936  
AR



**M89 - Chinese military**

**6845//8858 kHz, 05-04, 1008 UTC**

CQ (x3) DE DP91(x2) V  
PSE ALL TO HR PSE ALL PSE ALL TO HR PSE ALL

**5555 kHz, 06-04, 1024 UTC, i.p.**

3UA7 T365 6ND3 7D5T 3D6T 64A3 D4T6 7T53 (cont'd) AR  
CY CY CY A QQQG QQ QWERTY UIOPASDLZGHJKLZXXC4BNG  
0234569 8950 900  
NR 0016 CK U99 2N 8 0916 01TA 00U RMKS 1641 1643 =  
QQQ QWERTY UIOP NSD UUG SJKULZ =  
XXXXXGCC VBNM AU34567DN AU34567DNT UA34567DNT TAU344567DNTU34567DT  
123456789 XCPUA ZWISGAA GJ Y4RAYNI WGXINJPZ AREYK  
NR 00A6 CK UNN UD. 6TATT AT.53N7A6D34ND6TUN.NAAD6 SSSE  
AD5U 5TU3 3U65 7DDA 4D67  
F GT Q QWERTY IOP NSDFGHJKLZXCVCBVM QWERTY ? JPNSDGHJKLZXCVCBN.AU34567DNT  
AU34567DNT AX5.N7A6D34ND6TU7NAADT AT ..5U 5X33U657DDA4D67N4NU4  
NU76 D7G3X74U3A5U64657N 76DU 5N3A 3UA4 U473 5364 575D (Cont'd)

**5321 kHz, 07-04, 1250 UTC**

3AN3 ND5U DAUT 6D46  
AR K  
R AS (Both stations on this frequency)  
R RPT 01W K. R RPT 01W K. R RPT 01W K  
R = = N5TN AR K  
QSL 2052 K  
R R A HR MSG GA K  
R R NR NR NR NR 7353 CK 35 55 0407 2054 RMKS 3225 TO 3432 K  
R =  
T53T D5T5 6T3A TNDA (Cont'd) AR  
R RPT 08W BT D43A AR K  
RPT 11W K

R R RPT 11W BT 6NTU AR K (Cont'd repeat groups)  
R QSL 2104 K  
R QSL 2101 K. R QSL 2101 K  
R UMSG GA K. R U MSG GA K  
HR U H EEEEE USB USB K K

**5133 kHz, 09-04, 1706 UTC, i.p.**

56T5 UT37 AR 3 K  
R RPT 27W TO 28 W K (Both stations on this frequency)  
BT 56T5 UT37 AR K  
R RPT 75W 3TD7 3TD7 K  
R QSL 0108 K  
R U MSG GA K  
R HR 7G GA  
NR 038 CK 99 37 0410 0100 =  
U7UT 4A3U TN34 T.D5 UNDA 475T (Cont'd) AR  
QSL ? K  
R RPT 51W K  
R RPT 51W 6DT7 6DT7 K  
R RPT 66W K  
R RPT 66W 6A3N 6A3N K  
R RPT 76W K  
R RPT 76W 3ND5 3ND5 K  
R QSL 0115 HR WK NR 0015 K  
R HR WK NR 0900 K  
R HR NIL SK

**5566 kHz, 11-04, 1234 UTC, i.p.**

A635 U43A 74TN 4765 6T3A  
AR  
R QSL 2235 2235 K  
R RPT K  
R QSL 2035 2035 K  
R OK U MSG GA K  
R RPT K  
R U MSG GA K  
R HR MSG GA  
NR 002/CCK CK 91 98 0411 2030 RMKS 6776 TO 0846 =  
ND.T T756 UT7D D3UT A5U4 6TU7 ADTU (Cont'd)  
AR HR WK NR 35 QSL ? K  
R QSL 2041 2041 K  
R  
R OK NIL SK K  
R NIL SK

**5566 kHz, 11-04, 1249 UTC**

R AHRM AHRM DE MIIM MIIM R QSA 2 QSA ? K  
R QSA 2 IEC GS AR K (Normally associated with exercise traffic)  
R QSA 2 IEC = GS AR K (Both stations on this frequency)  
R QW DE K EEEE  
R BT WD AR K (Probably the other station's IEC code)  
R HR MSG GA K  
R GA K

**3642//7602 kHz, 18-04, 1428 UTC**

HR 7G GA NR 023/CCK CK 99 19 0418 2230 RMKS 1329 TO 1048 1327 1206 1199 =  
5N6A U7DU 64UT UTU3 76D7 D5DU TD6T 5AN7 ... AR 7G QSL ?  
HR WK NR 120



M95

**8073 kHz, 01-04, 1144 UTC, i.p.**

AR  
7G AGN  
NR NR 028. CK 16. 35 0401 1516 =  
TT. 3.6 3AN (Cont'd)

**4243//9054 kHz, 01-04, 1147 UTC**

VVV HR MSG TOYR PSE CY  
NR 077 CK 34 35 0401 1518 =  
5DU TTT TA4 U67 TAN 443 A43 (Cont'd) AR  
7G GA  
NR 077 CK 34 35 0401 1518 =  
5DU TTT TA3 U67 TAN 443 (Cont'd) AR  
A HR 7G GA  
NR 02 CK 148 35 0401 1600 =  
UTU TTA 3U6 3A4 TTU TT3 733 5AU 4T3 534 TA4 (Cont'd)  
7G AGN  
NR 02 CK 148 35 0401 1600 =  
UTU TTA 3U6 3A4 TTU 773 35A U4T 354 (Cont'd) AR  
A HR 7G GA  
NR 017 CK 39 35 040A A636 =  
..5TT A3U 6 3A5 TTA TTU TT3 773 353 (Cont'd) AR  
A HR U PSB ..

**7163 kHz, 02-04, 1212 UTC**

RMKS = =  
T5T5 35DU 6U7N 46NA 6D5U ND4U T764 56DU TU4U TTA5 N736 (Cont'd)  
AR K K K  
05 05 05 (Different station)  
R HR 1W TO 8W =  
T5T 535DU 6U7N 46NA 6D5U ND4U T764 56DU AR K  
NM.L O0 0.  
R RPT K  
HR MSG GA K  
R RPT K  
7G NR ..0 /CCK CK ...02 20000 RMKS 02.. TO ..9.. K  
AR K  
R QSL 2030 K (They are working each other)  
NIL ... K  
R RPT K  
HR WK NR 33 K  
SK K

**8073 kHz, 02-04, 1135 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 0287 CK 165 35 0402 1538 =  
TTU 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 357 (Cont'd)

**5555 kHz, 05-04, 1117 UTC, i.p.**

05 05 05  
R K  
05 05 05  
.. PSE ..  
05 05 05  
.. COMM K  
ZAN PSE TU .55  
R .. K N  
05 05 05  
05 05 05  
1M BT 5U6N. A3U45N7. 7D N5N.65TDT

**8073 kHz, 05-04, 0004 UTC**

V BNGC (x3) DE XSV85 (x2)  
NR 0292 CK 123 35 0405 0719 =  
TT5 3U4 3A4 TAU 773 357 373 (Cont'd) AR  
AGN  
NR 0292 CK 123 35 0405 0719 =  
TT5 3U4 3A4 TAU 773 357 363 (Cont'd) AR

**8073 kHz, 05-04, 1136 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR 7G GA  
NR 0293 CK 203 35 0405 1548 =  
TT5 4U6 3AN 3U7 TAU 773 357 (Cont'd)

**4243//9054 kHz, 05-04, 1143 UTC**

VVV HR MSG TOYR PSE CY  
NR 085 CK 19 35 0405 1500 =  
5TD UTT TT5 3U6 3A4 357 TTD 37U 4TN U7U  
N4A 434 3DA TTU TT3 773 435 3DU 4D4 AR AR  
MSG AGN  
NR 085 CK 19 35 0405 1500 =  
5TD UTT TT5 (Repeats message) AR  
A HR MSG GA  
NR 10 CK 129 35 0405 1550 =  
.TU TT5 3U6 3A4 TTU N44 TT3 773 35A N3D (Cont'd) AR  
MSG AGN  
NR 10 CK 128 35 0405 1550 =  
UTU TT5 .U6 .A4 TTU (Cont'd) AR  
A HR MSG GA  
NR 029 CK 17 35 0405 1556 =  
UT5 TT5 3U6 3A4 TTA TTU TT3 773 356 4AD  
445 33T 44T N3U 435 4D3 3DA AR  
MSG AGN  
NR 029 CK 17 35 0405 1556 BT (Repeats messages) AR  
A HR UP SB WK K

**9054 kHz, 05-04, 2346 UTC**

V HR MSG TOYR PSE CY  
NR 040 CK 21 35 0406 0.23 =  
UT. TT6 (Cont'd) AR  
MSG AGN  
NR 040 CK 21 35 0406 0623 =  
UT5 TT6 (Cont'd) AR  
A HR MSG GA  
NR 086 CK 20 35 0406 0635 =  
5TD UTT TT. (Cont'd) AR

MSG AGN

NR 086 CK 20 35 0406 0635 =  
5TD UTT TTT (Cont'd) AR  
A HR MSG GA  
NR 01 CK 083 35 0406 0721  
UTU T.. (Cont'd) AR  
MSG N  
NR 01 CK 083 35 0406 0721 =  
UTU TT6 (Cont'd)

**8073 kHz, 06-04, 0008 UTC**

AR MSG AGN  
NR 294 CK 124 35 0406 0714 =  
T74 U43 A4T (Cont'd) AR R

**8073 kHz, 06-04, 1134 UTC**

V BNGC (x3) DE XSV85 (x2)  
7G GA PSE CY  
NR 0295 CK 140 35 0406 1542 = =  
TT6 3U6 3U. 3U7 TAU 773 353 363

**4243//9054 kHz, 07-04, 1149 UTC**

V HR 7G TOYR PSE CY  
NR 089 CK 26 35 0407 15.. =  
5TD UTT TT. (Cont'd) AR  
7G AGN  
NR 089 CK 26 35 0407 15.. =  
5TD UTT TTT TT3 UT5 3A5 (Cont'd) AR  
A HR 7GGA  
NR 14 CK 155 35 0407 1558 =  
UTU TT7 3U6 3A4 TTU 773 35A (Cont'd)

**5197 kHz, 07-04, 1220 UTC**

3U6A T4D7 NU65 43A5 T54D 7TU4  
III III III 05 05 05 05 (Cont'd)  
= = 63UA 74D. D645 NT43 4T56 DAN4 5UN7 (Cont'd)  
III III III 05 05 05 05 = =  
A5 A5 R A5 RUSHD NR NR NR CCK

**9054 kHz, 07-04, 2345 UTC**

V Hr MSG GA GN CY  
NR 136 .. 9 3. 0408 0556 =  
TTD 3U4 (Cont'd) AR  
NR 9. CK 21 35 0408 062. =  
5TN TT. TTD (Cont'd) AR  
A HR MSG  
NR 15 CK 078 35 0408 ..6. =  
TTD ... (Cont'd) AR

**8073 kHz, 08-04, 0004 UTC**

V BNGC (x3) DE XSV85 (x2)

**9054 kHz, 08-04, 2350 UTC, i.p.**

773 35A AA3 4AN ... AR  
A HR 7GGA  
NR 03 CK 26 00747 =  
57A TTN 3U4 3A4 356 (Cont'd) AR  
AR 7G AGN  
NR 092 CK 23 040409 0047  
... TTN 3U4 3A4 356 (Cont'd) AR

A HR 7G  
NR 107 CK 0.. 5  
NR 108 CK 005 435 0409 0.27 =  
UTU TT. (Cont'd)

**4243//9054 kHz, 10-04, 1150 UTC, i.p.**

434 3DA TTU TT3 773 446 3D3 4D3 75D 4DU AR  
7G AGN  
NR 095 CK 25 35 0410 1518 BT  
5TD UTT TAT 3U6 7T3 7TA N44 3A4 356 35D (Cont'd) AR  
A HR 7G GA  
NR 20 CK 186 35 0410 1634 =  
UTU TAT 3U5 3A4 TTU 773 5AN 3D3 534 T33 (Cont'd) AR  
7G AGN  
NR 20 CK 186 35 0410 1634 =  
UTU TAT 3U6 3A4 TT3 773 5AN 3D3 534 T33 (Cont'd) AR  
A HR 7G GA  
NR 044 CK 31 35 04A0 1636 =  
UT5 TAT 3U6 3U4 TTA TTU TT3 773 35U (Cont'd) AR  
7G AGN  
NR 044 CK 31 35 0410 1636 =  
UT5 TAT 3U6 3U4 TTA TTU TT3 773 35U (Cont'd) AR  
A HR UP SB WK

**8073 kHz, 12-04, 1139 UTC**

V BNGC (x3) DE XSV85 (x2)  
NR 00307 CK 241 35 0412 1616 =  
.3U6 3AN 3U7 T.U 773 354 374 (Cont'd)

**9054 kHz, 12-04, 0001 UTC**

AR  
A HR 7G GA  
NR 23 CK 096 35 0412 0524 =  
UTU TAU 3U4 3A4 TTA TT3 (Cont'd) AR  
7G AGN  
NR 23 CK 096 35 0412 0524 =  
UTU TAU 3U4 3A4 TTU TT3 (Cont'd) AR  
U AR R AS HR UP ..

**4243//9054 kHz, 12-04, 1145 UTC**

V A HR ... CY  
NR 24 CK 141 35 0412 1531 =  
UTU TAU ... 3A4 TTU 773 354 (Cont'd) AR  
UP BA TE AR AR U R

**4243//9054 kHz, 14-04, 1146 UTC**

VVV HR MSG TOYR PSE CY  
NR 003 CK 32 35 0414 1453 =  
5TD UTT TT4 3U6 7TA N44 3A4 (Cont'd) AR  
MSG AGN  
NR 003 CK 32 35 0414 1453 =  
5TD UTT TA4 3U6 7TA N44 3A4 (Cont'd) AR  
A HR MSG GA  
NR 28 CK 161 35 0414 1613 =  
UTU TA4 3U6 .A4 TTU 773 35A N3D (Cont'd) AR  
MSG AGN  
NR 28 CK 161 35 0414 1613 =  
UTU TA4 3U6 3A4 TTU 773 35A (Cont'd)



**9054 kHz, 15-04, 1148 UTC**

V 7G TOYR PSE CY  
NR 30 CK 17. 35 0415 1516 =  
UDU TA5 3UD 3A4 (Cont'd) AR  
UWN SB WK AR AR AR

**8073 kHz, 20-04, 1137 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR 7G GA PSE CY  
NR 0424 CK .20 35 0420 1542 =  
TUT 3.. 3AN 3U7 TAU 773 (Cont'd) AR

**4243//9054 kHz, 20-04, 1154 UTC, i.p.**

NR 40 CK 142 35 0420 1608 =  
TT. .U. 3.6 3A4 TTU 773 (Cont'd)

**8073 kHz, 21-04, 1135 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA PSE CY  
NR 0325 CK 223 35 0421 1550 =  
NK3 UNI 3AN 3U7 TAU 773 TA7 773 (Cont'd)

**4243//9054 kHz, 21-04, 1144 UTC**

V HR MSG TOYR PSE CY  
NR 42 CK 148 35 0421 1608 =  
UTU TU6 3A4 .TU 773 35A (Cont'd)

**8073 kHz, 29-04, 1139 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSG GA (1140z)  
NR 0341 CK 274 35 0429 1620 =  
.. 3U6 ..N 3U7 TAU 773 353 373 (Cont'd)

**4243//9054 kHz, 29-04, 1149 UTC**

V HR MSG TOYR PSE CY  
NR 033 CK 23 35 0429 1516 =  
5T. UTT TU. .U6 (Cont'd) AR  
MSG AGN  
NR 0033 CK 23 35 0429 1516 =  
... TUN 3U6 (Cont'd) AR  
A HR MSG GA  
NR 0.. CK .0 35 0429 1636 =  
.T. ..3.. 3A. TTA TTU TT3 773 353 (Cont'd) AR  
MSG AGN  
NR 002 CK 20 35 0429 1636 =  
UT. TUN 3.6 3A4 TTA TTU TT3 773 353 (Cont'd) AR  
A HR MSG GA  
NR 58 CK 12. 35 0429 1707 =  
UTU ... .3U. 3A4 TTU N.. TT3 773 354 (Cont'd) AR  
A HR PSE WK

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## M97 - Vietnamese numbers

Frequency: 10375 kHz

Mode: Morse

**10375 kHz, 01-04/07-04/08-04/14-04/15-04/21-04/22-04/27-04/28-04/29-04, 1454 UTC**

SO DIEN: 84 SO DIEN: 84 SO DIEN: 84

DK: HT HT HT

SO NHOM: 58 SO NHOM: 58 SO NHOM: 58

AAAAAAAAAAAAAAAAAAAAAAAAAAAA

99324 20677 08739 99636 96965 54484 33165 73144 79429 78620

39915 66546 27757 88700 97238 14506 06185 28529 91347 58476

97654 04920 77677 68494 68775 93995 42047 83420 12029 65119

62117 53236 17108 82136 93364 29498 76417 98320 89878 18024

87216 10241 89350 23597 51616 09230 40880 03965 97942 45682

02439 57570 98181 13039 13354 64933 37670 27264

KKKKKKKKKKKKKKKKKKKKKKKKKK

SO DIEN: 84 SO DIEN: 84 SO DIEN: 84

DK: HT HT HT

SO NHOM: 58 SO NHOM: 58 SO NHOM: 58

AAAAAAAAAAAAAAAAAAAAAAAAAAAA

99324 20677 08739 99636 96965 54484 33165 73144 79429 78620

39915 66546 27757 88700 97238 14506 06185 28529 91347 58476

97654 04920 77677 68494 68775 93995 42047 83420 12029 65119

62117 53236 17108 82136 93364 29498 76417 98320 89878 18024

87216 10241 89350 23597 51616 09230 40880 03965 97942 45682

02439 57570 98181 13039 13354 64933 37670 27264

KKKKKKKKKKKKKKKKKKKKKKKKKK

SO DIEN: 84 SO DIEN: 84 SO DIEN: 84

DK: HT HT HT

SO NHOM: 58 SO NHOM: 58 SO NHOM: 58

AAAAAAAAAAAAAAAAAAAAAAAAAAAA

99324 20677 08739 99636 96965 54484 33165 73144 79429 78620

39915 66546 27757 88700 97238 14506 06185 28529 91347 58476

97654 04920 77677 68494 68775 93995 42047 83420 12029 65119

62117 53236 17108 82136 93364 29498 76417 98320 89878 18024

87216 10241 89350 23597 51616 09230 40880 03965 97942 45682

02439 57570 98181 13039 13354 64933 37670 27264

KKKKKKKKKKKKKKKKKKKKKKKKKK



## UM10 - 10-minutes net

3718 kHz, 01-04, 1846 UTC	7CJK	3280 kHz, 13-04, 1750 UTC	HUU4
3280 kHz, 04-04, 1649 UTC	HUU4 *)	3525 kHz, 14-04, 1556 UTC	QK4S
3525 kHz, 04-04, 1702 UTC	QK4S //4310 kHz *)	3780 kHz, 14-04, 1422 UTC	HUU4
3525 kHz, 05-04, 1831 UTC	QK4S //4310 kHz	3780 kHz, 15-04, 1825 UTC	HUU4
3525 kHz, 06-04, 1733 UTC	QK4S //4310 kHz	3780 kHz, 17-04, 1615 UTC	HUU4
3525 kHz, 08-04, 1428 UTC	QK4S //4310 kHz	3780 kHz, 19-04, 1455 UTC	HUU4
3280 kHz, 08-04, 1918 UTC	HUU4 //3780 kHz	3525 kHz, 19-04, 1457 UTC	QK4S
3280 kHz, 12-04, 2018 UTC	HUU4 //3780 kHz	3280 kHz, 21-04, 1618 UTC	HUU4
3280 kHz, 13-04, 1555 UTC	HUU4	3280 kHz, 21-04, 2053 UTC	HUU4

\*) New frequency and new callsign

## DIGITAL MODES



*HM01*

*Dirección General de Inteligencia*

### **22-04, 1700 UTC**

Callup: 28235 85465 02555 51453 58068 78885

Files: 28235: 50682823.F1C 523 Bytes  
85465: 34208546.TXT 246 Bytes  
02555: 30500255.TXT 210 Bytes  
51453: 83635145.TXT 415 Bytes  
58068: 38715806.TXT 427 Bytes  
78885: 61777888.TXT 896 Bytes

Radio Habana Cuba leaked through the transmitters. During the 10 minute break there were traces of it in the back.

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*HM02*

Modes:

FSK-19.8Bd/129Hz and FSK-CW

Each transmission starts with a 1 minute callup sequence in FSK-19.8Bd/129Hz followed by the FSK-CW message.

### **6261 kHz, 01-04, 0435 UTC**

398 50 =  
07368 52681 34688 89911 44527 06742 66310 68912 46937 13516  
83457 30131 24779 43678 11732 46796 30630 52719 92025 50571  
58158 62680 72213 89037 08647 82015 31941 33476 28821 44901  
95749 55944 52638 39875 31872 82228 68040 39483 54532 47546  
60950 49935 80661 56177 64683 46616 31311 53793 70245 15057 =  
398 50 398 50 = rpt msg = 398 50 000

### **6261 kHz, 02-04, 0440 UTC**

174 49 =  
04674 56330 28248 03998 30590 48080 59140 91945 50466 15671  
23752 81332 69694 48018 39945 22108 38903 10736 24470 59954  
13823 04777 73586 43297 21411 95682 44260 82815 29138 29929  
05891 59569 46274 80826 72940 47512 95902 73535 39835 35115  
62155 06971 19567 92567 36092 33213 16861 53214 61565 =  
174 49 174 49 = rpt msg = 174 49 000

### **6261 kHz, 03-04, 0440 UTC**

915 50 =  
47238 27467 88395 05129 07764 36991 93649 87888 33185 02180  
22886 91205 20726 10168 92700 77428 36986 73532 39188 76312  
81815 60812 11333 05597 27863 59079 23567 85873 37843 09605  
82579 36145 53218 42243 41596 76260 65981 67513 09643 90069  
96823 93046 13758 46737 62287 34672 69937 89905 69826 06831 =  
915 50 915 50 = rpt msg = 915 50 000

**6261 kHz, 04-04, 0446 UTC**

127 47 =  
62337 07920 18641 29673 75417 65964 50548 02728 75669 53810  
77215 19659 93928 26166 15942 84485 05963 91564 44902 10216  
78145 12231 79320 53892 25234 68808 96842 01039 67786 13660  
20362 43017 79725 54629 56696 16026 43682 64482 99011 06857  
99736 75450 36022 89813 56956 42109 16100 =  
127 47 127 47 = rpt msg = 127 47 000

**6261 kHz, 05-04, 0445 UTC**

256 48 =  
12649 08179 48307 61973 62828 21299 41755 28935 00332 30668  
78326 32934 25231 44987 43062 63997 29242 14611 12987 81279  
29975 44390 16623 78384 96004 70816 74533 59168 76907 09136  
64489 66393 14742 53692 14278 68195 61964 16262 28545 63603  
01290 14015 31639 06868 75986 08862 78314 50613 =  
256 48 256 48 = rpt msg = 256 48 000

**6261 kHz, 06-04, 0445 UTC**

382 48 =  
56941 71474 76107 75023 45260 73445 06839 13528 72032 05379  
41795 85198 29644 24995 66920 89354 45398 02327 99739 42806  
61888 54851 90732 56222 20785 32455 01413 11561 99071 28733  
48260 18591 44692 87379 56604 24701 90169 59476 78996 02443  
07885 65433 68454 09404 73052 55051 76715 70935 =  
382 48 382 48 = rpt msg = 382 48 000

**6261 kHz, 07-04, 0439 UTC**

419 50 =  
01922 05085 58357 68813 30886 22379 29557 74008 86917 14852  
03357 80334 40630 95436 92139 76633 98522 47660 01546 98777  
53599 41691 24018 43327 75824 80095 05913 34715 99814 32484  
40549 78882 64066 40422 17831 30775 65927 04034 36725 29983  
95047 5431\* 41327 85405 08936 44816 00470 25583 88122 78466 =  
419 50 419 50 = rpt msg = 419 50 000

**6261 kHz, 08-04, 0449 UTC**

536 64 =  
11259 72810 40915 47866 49465 98443 07762 19062 99669 41328  
86112 40055 46512 80369 09284 36091 82925 55666 39382 42063  
46996 88407 82853 17743 27105 36597 58831 33812 78964 51682  
38986 05901 02848 54394 62270 88832 01696 51706 83332 91627  
71994 12345 35099 46214 06286 58696 09521 42699 12997 84983  
31355 50727 92459 44513 86477 79442 67579 96241 38477 53455  
19189 32284 00112 84560 =  
536 64 536 64 = rpt msg = 536 64 000

**6261 kHz, 09-04, 0457 UTC**

671 74 =  
95400 07361 95696 33026 26956 28473 35366 86535 47303 90868  
60766 73379 26647 63650 42804 84744 53833 95589 38012 81671  
67593 23591 73112 95203 65033 95493 14637 28149 28011 98037  
62158 24453 70787 38493 56281 20081 52317 67027 57589 69039  
48847 26519 22784 42458 75086 92474 20665 23868 76075 98213  
15594 17878 47713 24062 06332 14079 52176 48502 52422 26469  
50796 25106 70009 29062 61815 37958 30149 39346 02944 45655  
14228 59000 97921 50655 =  
671 74 671 74 = rpt msg = 671 74 000

**6261 kHz, 10-04, 0451 UTC**

762 71 =  
09529 24164 64057 37233 78789 51851 08575 30130 27852 27215  
90472 31417 29406 61921 66038 31848 12104 41056 11726 29296  
62937 04299 07444 95245 62542 26958 03697 97708 67480 66834  
45631 19734 34209 33948 42942 79579 15487 43702 63440 63242  
35692 35190 56036 99495 54866 01846 11937 25411 36226 04699  
93143 31673 68100 53715 52763 52332 44747 03449 83111 60711  
65495 71517 67890 09772 90645 40123 64754 39694 98900 17012  
24830 =  
762 71 762 71 = rpt msg = 762 71 000

**6261 kHz, 11-04, 0439 UTC**

721 71 =  
42726 32208 76402 04689 96832 66211 54979 43827 04655 75405  
72421 96048 44796 30757 35109 32521 27368 94846 08545 93454  
99975 18076 71683 94727 17816 83447 38504 00241 95658 17815  
73003 23074 50561 57056 45947 02727 24568 57034 35439 16077  
50277 68175 20084 55966 19294 65149 63057 25372 79336 08221  
15924 43732 85555 23324 38730 45896 93178 14800 69007 11849  
01493 24042 86639 84895 85209 69126 47674 46735 05968 84176  
66803 =  
721 71 721 71 = rpt msg = 721 71 000

**6261 kHz, 12-04, 0451 UTC. Message was sent three times today**

692 71 =  
44641 59205 65079 15198 96241 83595 33266 71981 56031 34650  
14473 26120 81075 91357 94732 45294 40212 27857 19826 69628  
86708 07627 71246 98285 93623 04907 11374 17820 46646 47280  
92083 77208 07439 83536 61455 22692 71109 17895 30851 33690  
27635 74783 74524 58769 14 989 62880 70236 47428 04653 47711  
40935 69712 17847 24342 33398 58102 76600 56528 96444 45393  
06373 27060 57604 40906 90404 83106 36619 46169 59767 95110  
29498 =  
692 71 692 71 = rpt msg = 692 71 692 71 = rpt msg = 692 71 000

**6261 kHz, 13-04, 0443 UTC**

543 71 =  
09488 56817 42253 49918 01940 26527 51708 06198 77651 36832  
02829 41118 26826 84762 88417 82858 98550 19132 37291 70631  
83737 09685 05502 87108 93553 17049 97809 10852 88971 96119  
50246 31618 28392 20765 85448 12082 05142 27593 05965 75194  
45094 98526 14424 19490 40879 53247 93408 72814 05052 02934  
57186 65455 34986 56856 07736 62579 80410 46742 96986 59971  
25962 04232 67259 21801 52037 49796 94053 13530 32526 26928  
89664 =  
543 71 543 71 = rpt msg = 543 71 000

**7351 kHz, 14-04, 0455 UTC**

417 67 =  
98834 99631 99968 77545 81837 00403 41322 36225 40821 45777  
53316 34688 30448 01183 91536 09291 89823 49343 71376 63099  
24620 83604 42677 15040 67693 57308 67794 71690 21740 25241  
78205 26573 30138 04559 32999 85284 22245 75905 44521 45393  
00629 64425 06016 09307 13813 59062 29098 46809 83203 37176  
96468 24005 99316 39473 73199 66467 03887 54717 50310 45863  
05307 42232 06937 25624 44841 92339 63585 =  
417 67 417 67 = rpt msg = 417 67 000

**7351 kHz, 15-04, 0645 UTC**

524 72 =  
04644 18618 85616 09779 04644 99324 06998 83799 73174 42415  
44491 70209 28140 90974 36479 29175 48024 79574 53267 38080  
74486 46076 69491 18238 36911 91941 17926 03015 50268 52606  
63980 85595 39997 15997 62581 31802 63418 91307 08195 08977  
69242 59689 01446 44579 29905 91604 57230 57080 98060 16748  
90617 85524 95477 30466 50149 52966 28502 61084 17209 46667  
71061 18881 30069 80619 65965 99953 44723 81433 00448 29903  
40502 82666 = rpt msg = 524 72 000

**7351 kHz, 16-04, 0450 UTC**

613 75 =  
47738 42170 29709 92900 69311 66404 88319 75706 24806 57041  
27657 63331 81783 42282 41847 42751 90356 31217 48194 53178  
90219 90417 33144 94702 34821 76997 84258 54819 38764 19709  
65636 95193 13729 47271 90534 39349 47280 44911 38231 98549  
54899 88820 96769 75856 01729 16497 03467 55336 59219 53044  
19036 53604 29030 27139 47719 27520 83548 41478 81503 88299  
17439 12814 62473 99180 29159 64223 80056 74061 81323 76424  
96165 28595 69607 83168 87360 =  
613 75 613 75 = rpt msg = 613 75 000

**7351 kHz, 18-04, 0444 UTC**

721 64 =  
19737 59440 42866 30542 80656 00363 14777 99274 63370 70765  
41345 44461 25647 72496 72161 17200 58233 03143 16663 87770  
20923 82032 42142 82434 66772 58304 05478 14660 75849 43296  
50539 20148 11224 71076 79389 43215 02457 66529 45393 23438  
69106 80434 21792 73454 40442 21877 32732 32312 18700 54378  
81035 65532 24214 49776 81916 81069 18046 05464 03037 26137  
16869 59504 83412 12127 =  
721 64 721 64 = rpt msg = 721 64 000

**7351 kHz, 19-04, 0446 UTC**

632 73 =  
65815 67160 03091 17202 71206 82810 35624 47585 66087 25252  
05294 78185 79720 04545 14556 73446 89761 04119 17433 39532  
61162 26371 20478 91488 92752 54757 55209 49650 29790 05368  
35001 71433 60118 97376 43615 83514 57837 60159 66322 17243  
45107 61294 59742 62138 52417 14802 32869 95482 78873 26656  
59473 35072 92144 91074 55359 48762 78943 70858 03779 70940  
18998 52031 46757 82215 05545 87802 23729 40876 63820 74782  
49371 32719 35037 =  
632 73 632 73 = rpt msg = 632 73 000

**7351 kHz, 20-04, 0445 UTC**

523 68 =  
30825 96076 82631 38439 65383 74462 33825 59072 39499 44913  
11602 81945 91700 37838 01042 26705 62574 85496 66094 92238  
48670 42717 13230 91000 98471 50412 26885 32742 96570 25338  
10064 88596 83673 41624 78647 91362 91844 18780 40259 20399  
70897 87367 79663 84569 11761 75229 49183 40704 62452 28503  
50919 06581 56175 15877 68594 90991 04568 94045 43908 86800  
13304 73219 30967 55011 99508 24162 08769 81288 =  
523 68 523 68 = rpt msg = 523 68 000

**7351 kHz, 21-04, 0445 UTC**

494 69 =  
65338 50490 78303 87093 64474 66713 57512 16321 13919 28524  
63890 94284 77858 73811 31485 41825 74442 65834 43871 14023  
25752 10616 39620 50151 44490 21953 91997 14019 64026 54857  
54297 95778 92893 35927 42217 16390 78083 51169 34227 59548  
84438 82035 51102 83448 47070 05840 56961 01521 11751 80125  
43952 68307 20966 49949 55689 95570 64375 99664 65949 46378  
09597 28938 70163 96790 14259 18223 68472 08491 12011 =  
494 69 494 69 = rpt msg = 494 69 000

**7351 kHz, 22-04, 0446 UTC**

485 70 =  
66194 54169 94599 90720 27423 32213 25504 40845 36979 65193  
80220 20197 40863 22521 82545 16272 96075 06153 22529 36658  
81330 23746 73689 97051 61388 03508 71333 99117 32892 64082  
11751 29423 60267 77471 38747 40510 60664 62227 35925 44800  
75501 37134 96101 99381 43958 89937 74276 59145 94040 18997  
64718 69899 01947 09954 24681 99266 31636 32108 41348 99174  
01298 39559 20283 48727 51984 43578 56169 31253 22562 45275 =  
385 70 385 70 = rp0 msg = 385 70 000

**7351 kHz, 24-04, 0451 UTC**

167 72 =  
48542 57194 01783 72013 27207 06318 66490 59863 38826 82503  
80000 01864 45065 60417 34241 97862 02277 58098 34655 58703  
38038 38918 22370 88685 90168 63659 60612 01513 45633 25491  
90142 53868 01590 50306 33572 44978 26583 05792 05945 65616  
80134 09350 02411 62167 97184 18699 53757 75846 76533 22262  
27176 80371 53266 98558 64485 64628 46117 54302 17925 26850  
29296 00739 58204 10441 03646 42022 56481 31455 19205 43791  
33707 76982 =  
167 72 167 72 = rpt msg = 167 72 000

**7351 kHz, 25-04, 0445 UTC**

216 70 =  
38479 09571 05094 81010 72140 82753 74302 73197 97194 55227  
14805 28771 18677 67564 64001 79345 28194 73889 16909 89390  
63497 65183 36865 73116 27738 58405 83813 49715 03777 65767  
07943 98203 78014 86408 27068 47996 68948 23139 71783 83399  
53776 09439 57544 28983 60017 81284 24690 85644 75493 16840  
24580 74201 12441 90242 93676 26034 77884 32215 25001 42785  
71453 60377 82573 04587 38493 72539 20335 81777 81345 23001 =  
216 70 216 70 = rpt msg = 216 70 000

**7351 kHz, 26-04, 0451 UTC**

393 75 =  
19492 51428 51378 86299 17194 65234 38888 08715 25003 11277  
85586 68375 34121 73552 51549 30120 74674 12470 23473 80883  
60452 42884 66138 34443 01320 08775 51286 32785 35963 35185  
12390 78656 36225 86804 23222 92079 81893 44008 14370 20250  
35077 15061 13983 99402 53961 80817 96476 74458 82210 49402  
24351 48938 03559 54060 83874 57214 60454 74836 77956 74111  
10834 36904 06767 31284 75004 10594 16496 64323 86335 46090  
17466 63891 94962 63035 69413 =  
393 75 393 75 = rpt msg = 393 75 000

**7351 kHz, 27-04, 0437 UTC**

385 50 =  
06946 97525 33735 13053 42377 16995 59209 32361 20699 35054  
08852 47624 61893 69966 26057 88293 65262 29661 82705 89300  
59012 79908 46934 22620 37872 86702 10110 49941 45402 13688  
69766 48412 25712 71944 49518 40842 30571 71378 36644 50546  
76438 34070 71418 23933 13088 06061 47711 81858 18393 27268  
= 385 50 385 50 = rpt msg = 385 50 000

**7351 kHz, 28-04, 0438 UTC**

414 46 =  
45619 05459 00978 11105 03138 06401 36966 23147 79700 27884  
74710 63605 67409 69004 50241 96466 23026 44016 08855 85219  
31454 71395 86542 19780 46540 56348 79773 39069 03771 37912  
78863 06088 96146 84638 87830 30204 17672 04747 23151 13217  
78304 65104 73405 08624 03432 71254 =  
414 46 414 46 = rpt msg = 414 46 000

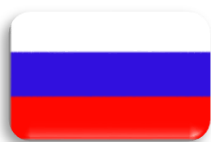
7351 29-04-2016 0438 HM02 FSK-19.8bd/129Hz/FSK-CW (AB)

523 49 =  
82247 76594 81625 07533 74381 51275 32183 27658 91240 40617  
88919 19138 92045 23700 72256 23385 17228 77443 13528 74699  
87484 42925 67103 43452 22997 68928 06436 24737 35009 26716  
81218 81208 29754 86501 59050 12535 39158 19111 55505 40365  
65708 18702 79835 03370 05803 52272 50572 62788 30462 =  
523 49 523 49 = rpt msg = 523 49 000

7351 30-04-2016 0447 HM02 FSK-19.8bd/129Hz/FSK-CW (AB)

622 69 =  
55075 06114 46495 71432 04738 86082 08159 51872 12841 81277  
86124 02930 18775 24177 23921 46339 65644 04480 98198 73482  
58814 91997 09207 02181 83789 69596 41414 15407 30571 38638  
46175 39045 44105 55682 85637 92719 87122 05147 19841 90862  
80714 85490 49682 60144 02073 15746 89137 88196 69379 86364  
92613 83624 98726 49246 40238 19616 34739 46883 61574 61158  
59432 75669 09713 32849 23713 61589 77270 52969 00735  
= 622 69 622 69 = rpt msg = 622 69 000

**M42 & X06**



Modes:  
Various digital modes, CW,  
Tones (Мазелка / Mazielka)

**Russian Government & Intelligence**





M42 – various modes

Freq	Date	UTC	Details	Mode
7465	8-4	1434	NCS wkg outstaiions. Comms checks and msg: 1100 30330 12069 08030 01003	CW
9202	6-4	1407	11100 30330 13574 06010 01009 QRU NIL SK	CW
13423	11-4	0808	Russian diplo	CROWD-36
16090	4-4	1117	ROP ROP ROP QSY 10160 QSY 10160	CW

M42b – FSK 50/500 and Morse

**10352 kHz, 07-04, 1436 UTC, opchat and messages in FSK 50/500**

K4MT QRV K  
R 71714 71714 k  
QRX 11258 QRX 11258 K  
CFM AR  
NT9P DE K4MT K  
QSA 3 QSA ? K  
QTC 1 ZZC K  
(into FSK 50/500)  
CFM NIL OK ? K  
ZVP K  
BK QRV K  
K  
QRX 11288 QRX 11288 K  
CFM AR  
V K  
NT9P DE K4MT K  
WSA 3 QSA ? K  
QTC 1 ZZC K  
(into FSK 50/500)  
CFM NIL OK ? K  
ZVP K  
ZVP K  
ZVP K  
BK QRX K K

Freq	Date	UTC	Veld0
4618	18-4	1829	SN7D wkg G5OP. Msg in FSK, opchat in Morse: QRU NIL SK
4911	23-4	1541	Message in FSK, opchat in CW: QRU NIL SK
5128	9-4	1739	G5OP wkg SN7D. Traffic in FSK, opchat in Morse: QRU NIL SK
5158	9-4	1737	SN7D de G5OP QLO 30 K
5254	15-4	0644	UKNR wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK
5376	16-4	0445	NCS wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK
5451	10-4	1413	LM7K wkg W9SP. Traffic in FSK, opchat in Morse: QRU NIL SK
5750	1-4	0506	NT9P wkg K4MT. Traffic in FSK, opchat in Morse: QRU NIL SK
5833	12-4	0621	BFRW wkg WL4I. Message in FSK. Opchat in CW: QRU NIL SK
5921	25-4	0547	WDZK wkg UOZG. Traffic in FSK, opchat in Morse: QRU NIL SK
6276	1-4	0836	CKSP wkg VKGO. Traffic in FSK, opchat in Morse: QRU NIL SK
6286	1-4	0816	VKGO de CKSP QSY 49997 K
6772	30-4	1631	F8PW wkg P6OZ. Msg in FSK. Opchat in Morse: QRU NIL SK
6841	26-4	1830	J7PW wkg MI4A. Traffic in FSK, opchat in Morse: QRU NIL SK
7813	16-4	1647	NCS wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK
10352	7-4	1436	KM3T/NT9P Net. Messages in FSK 50/500. Opchat in CW: R 71714 71714 k. QRX 11258 QRX 11258 K
13390	10-4	0655	RTK wkg RDI. GM QRU NIL SK
13856	14-4	0030	Russian intel. 778 150 24 0017 3018 = 5FGs =50= separator
13922	6-4	0812	3LSW wkg XN6O. Message in FSK, opchat in Morse: QRU NIL SK

Freq	Date	UTC	Veld0
14876	9-4	1609	Russian Inteligence K4MT/NT9P Net
15720	12-4	0831	RKO RKO QSA 3 K. NIL SK
16023	6-4	1531	Russian KM3T/NT9P Net
18562	6-4	1527	Russian KM3T/NT9P Net
20727	6-4	1521	Russian KM3T/NT9P Net

M42c (F01) – FSK 200/500

**10177/8076/6974 kHz, 04-04, 1015/1025/1025 UTC**

=8611 55413437356350294	=82147 02507536310851750	=78794 919434615852797111
=8532 91589148306758384	=85548 829219800129648158	=85795 370698016460979120
=8883 393398914673841146	=87349 98798713588441	=78796 000583711488824131
=8154 03060401901769760	=80350 48712676411426136	=86797 95192693519297283
=8755 72723514561880461	=82351 73194156321223863	=79098 06397309917073698
=8306 274237212239714106	=85552 24492926669688871	=84899 254346424337261157
=7827 03417021637949281	=83453 039053933797378118	=80710084070858985498086
=8008 213871821619955151	=84154 12624421972252816	=79010130197308215922675
=8189 455482765882183115	=79655 402570294179947101	=84810320205779737025311
=83010 660192292529399109	=87056 748368314241960111	=8681049543898307125424
=85711 631192161804236100	=81657 873492014885089146	=84010583972714373045393
=86012 96189165287723240	=84658 9807046942491584	=845106097163047899253100
=81613 81707632636405274	=81659 64589638019674272	=796107064307631908331103
=86114 434959558842287154	=85160 037916540903770108	=828108688343668843195146
=88315 911485831263512127	=76961 63714127180734157	=800109396790564897182129
=81716 36931686901361797	=86162 941245475317809113	=80211008161788268225481
=84417 08007491652817681	=75363 15291519369737380	=876111309556266639246103
=81818 501852433487208213	=84164 40802901547796539	=831112221511113825575156
=83319 45248939575585084	=81265 47304955271991463	=802113562498185095075134
=84320 110811119632306151	=87766 61243051483722576	=827114325162748122116161
=84521 690747668997128104	=84567 16888189130932448	=800115242495423398438182
=82422 536744564864385117	=82568 965470208669753127	=875116042884967542383112
=84623 40525990323337934	=76669 974655528327582139	=895117851907265587501141
=75524 02935088199859987	=85970 648455345650301121	=818118262075149808794178
=81425 23557248331973485	=84771 40017237878230133	=851119344490852182515111
=83126 92235467211390558	=83672 16669398894992989	=81412068815978093446245
=80827 230385698504078176	=82273 80022058531634115	=844121222563946619689159
=82228 31131734179016995	=78374 23419075239961173	=822122314216702174008190
=83729 767412963249140135	=85675 8795898391219525	=811123001644360531974114
=83130 21494800109474873	=85977 838787479464132108	=83012493826490600967327
=83531 962225258954831142	=81678 5134548405936131	=84112533034666922103189
=85132 7015807584743869	=89179 49723873204078972	=860126568675130997626122
=79233 136715596833119125	=78480 422977949732865112	=769127136201008872221140
=81934 221168296789710137	=86181 568688938272887104	=88712893298330033935342
=78935 767030728009347152	=80082 121712797481765111	=79312916528858985709273
=86536 46192909228185796	=85883 38879616476855173	=82613094062054342741597
=83837 21802171294311652	=83084 286538345185871102	=872131506939753126961145
=77338 013636701156497130	=87585 49898035973469333	=83213290265123930019888
=78939 81072692725999590	=82586 01918155629024059	=80513395787352125788686
=85240 025538686124914150	=85987 152782050480827161	=806134149762372032493181
=84341 172841243993646140	=83188 484691700237390100	=875135694018316243004107
=85142 46288648017034268	=83189 834613692057043119	=857136471246593744357102
=79043 701789127837639186	=78590 33475779235276785	=839137496552429273984129
=86344 55106026462566989	=81591 206650701090216124	)730138324110000+++++259
=82445 13908782642858142	=83792 747332001486389183	
=85646 11419498702842450	=78893 755732026523737116	

**10177/8076/6974 kHz, 05-04, 1015/1025/1025 UTC (2 msgs)**

=8291 454065307026885114	=84723 403570113537211138	=87145 58352527160603651
=8492 12786483369082683	=85724 81789668823454060	=84346 44899493849192851
=8513 24450108372127181	=84325 64672039881590968	=84247 765614083100557142
=7844 266004738088679158	=83826 37710100677543998	=77448 802555501189726125
=7715 40781474182668534	=81627 794610639005211149	=81949 91050767512746193
=8386 557220076432018150	=79628 957373302780581101	=84750 50933374943905192
=8917 77320680756338897	=85829 37991330850000035	=80751 29514146592684597
=8798 743305934553057142	=72030 00000000000000067	=82352 565145579868181158
=8569 753763362072371101	=81831 890905603445216102	=77553 41168428486682167
=84510 002031679647219116	=80132 760714317108332156	=80654 48865164869913898
=81711 63001172137457094	=84133 352186386647143131	=80355 47869574400290681
=80212 66804499477428650	=87434 33556900149049689	=83356 83229996542996811
=81813 57874041449651184	=82035 899212752719930103	=79057 18207463836538693
=82014 85267976149724776	=83736 38713159054043297	=83258 919331206023171157
=82915 851129904197184125	=85837 91892981102284222	=76959 239484291283093126
=89116 32879735559962937	=86138 84925636780511060	=81360 85517038854523188
=85917 266698633537726102	=80039 055087323063181129	=83161 159719684697872111
=80118 38411776946446756	=80140 08040248598168687	=85162 150803067427257108
=87019 30399469052112088	=87841 04885182540736947	=87363 823663949361184105
=76820 628421084203565110	=84242 661716072833222135	=75264 156817211134101105
=78621 347357302324919137	=81843 04225768402755989	)57665 00000+++++++148
=84722 530099317100863183	=83944 425276507945621166	

45406 53070 26885 12786 48336 90826 24450 10837 21271 26600  
47380 88679 40781 47418 26685 55722 00764 32018 77320 68075  
63388 74330 59345 53057 75376 33620 72371 00203 16796 47219  
63001 17213 74570 66804 49947 74286 57874 04144 96511 85267  
97614 97247 85112 99041 97184 32879 73555 99629 26669 86335  
37726 38411 77694 64467 30399 46905 21120 62842 10842 03565  
34735 73023 24919 53009 93171 00863 40357 01135 37211 81789  
66882 34540 64672 03988 15909 37710 10067 75439 79461 06390  
05211 95737 33027 80581 37991 33085 00000

89090 56034 45216 76071 43171 08332 35218 63866 47143 33556  
90014 90496 89921 27527 19930 38713 15905 40432 91892 98110  
22842 84925 63678 05110 05508 73230 63181 08040 24859 81686  
04885 18254 07369 66171 60728 33222 04225 76840 27559 42527  
65079 45621 58352 52716 06036 44899 49384 91928 76561 40831  
00557 80255 55011 89726 91050 76751 27461 50933 37494 39051  
29514 14659 26845 56514 55798 68181 41168 42848 66821 48865  
16486 99138 47869 57440 02906 83229 99654 29968 18207 46383  
65386 91933 12060 23171 23948 42912 83093 85517 03885 45231  
15971 96846 97872 15080 30674 27257 82366 39493 61184 15681  
72111 34101 00000

**10177/8076/6974 kHz, 07-04, 1015/1025/1025 UTC (2 msgs)**

=8181 45417549560840477	=81323 13152007907486283	=85045 278538557165253121
=8432 455231122818735159	=89124 21864510004713546	=82746 816289094987903153
=8713 683978841227299115	=85525 04137160276107613	=78547 14960394352157689
=7984 42270772656517581	=86026 95291411261862595	=80648 25077014077641775
=8095 555371720078717140	=86927 454198931550425118	=84349 39507262189646398
=8156 969618975327890170	=86228 49184594553608329	=82950 58149787406694782
=8127 46114832786593777	=72029 00000000000000107	=87251 814468219757066180
=7858 215442678392268108	=72030 00000000000000067	=88852 610092396456120110
=8939 57390026330789571	=85031 65804221731338136	=83553 34809976848377688
=77110 5889409412250758	=86632 52412683100544972	=83754 20482986490470027
=83411 711302697693226104	=80633 74017295128657843	=84055 46083090763150295
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10177/8076/6974 kHz, 11-04, 1015/1025/1025 UTC

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10177/8076/6974 kHz, 13-04, 1015/1025/1025 UTC

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**10177/8076/6974 kHz, 19-04, 1015/1025/1025 UTC (2 msgs)**

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10177/8076/6974 kHz, 20-04, 1015/1025/1025 UTC

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**10177/8076/6974 kHz, 21-04, 1015/1025/1025 UTC**

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=8234 04319445178436071	=86324 75798975198723433	=86944 233428851362361111
=8255 80474838503127156	=83125 834733857186417105	=87245 786975663756465109
=8446 28728809960827893	=85426 48075000000000018	=83846 753923981689985140
=7977 046056183030931108	=75927 000000000074217102	=82147 01711928797718546
=8198 413099270747839168	=84828 589819237578356125	=85348 94770566392908296
=8269 42235731737394496	=89329 838891766481846117	=87349 98705684787359559
=87210 89676600555730591	=83930 28166560564827389	=83150 45306838274799491
=86211 29040337150500373	=83131 547644707897137122	=82851 10126698905225257
=82912 154923555685911168	=82132 60807256400528676	=88352 968288385866341972
=87713 725652866290595120	=85433 21266167303077582	=89253 73342959564544696
=84314 69055380815550966	=80634 04184099037078658	=85154 91799272059295753
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=84616 461317858997239126	=79636 80495032887480462	=84056 89140765307207566
=79617 44875428799659389	=83737 015581300442963150	=82357 47974693496561557
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30931 41309 92707 47839 42235 73173 73944 89676 60055 57305  
29040 33715 05003 15492 35556 85911 72565 28662 90595 69055  
38081 55509 72655 75808 40713 46131 78589 97239 44875 42879  
96593 31541 02527 85600 01176 02592 64787 63464 81029 43090  
16306 80556 35753 21910 30825 27430 02364 20389 71362 75798  
97519 87234 83473 38571 86417 48075 00000

74217 58981 92375 78356 83889 17664 81846 28166 56056 48273  
54764 47078 97137 60807 25640 05286 21266 16730 30775 04184  
09903 70786 56081 09248 44988 80495 03288 74804 01558 13004  
42963 02895 10774 03990 27792 03392 29308 48306 64535 47587  
76001 27052 68135 32421 21755 00752 46367 97535 43569 23342  
88513 62361 78697 56637 56465 75392 39816 89985 01711 92879  
77185 94770 56639 29082 98705 68478 73595 45306 83827 47994  
10126 69890 52252 96828 83858 66341 73342 95956 45446 91799  
27205 92957 43009 13022 53364 89140 76530 72075 47974 69349  
65615 18925 95500 49093 00000

**10177/8076/6974 kHz, 26-04, 1015/1025/1025 UTC (2 msgs)**

=8791 21698215765711289	=84622 88080829152078299	=83943 3535658876696609
=8272 897542398856328181	=84723 17148021520799936	=83744 377421531945686100
=8483 79310026029584432	=84124 91201512036688791	=82945 182715156628032118
=8354 45433324369871130	=81925 27312826526637797	=81646 75948467149770668
=8505 91217084193802979	=83126 498306478220798960	=86347 69665953328243284
=8006 80296686955089951	=86227 961321904239502124	=82448 83864061504557633
=8157 625144624531587137	=85328 70021819945518174	=86149 695408272936549124
=8048 08733567418359939	=87729 948745108500000111	=85950 75099906388482763
=8599 54039223574641273	=72030 00000000000000067	=85351 760614776379361136
=80110 13420791287098866	=85631 923499248972455126	=82852 049830709091958156
=78511 21819332389985438	=83732 829078467348085121	=83353 34579970847181082
=85912 21370003392327539	=85933 983414200479174122	=79954 572207219356840100
=85213 58995707546011968	=82134 690951301598919106	=87055 04690705387548060
=81714 086152873288825157	=87935 587462817245624142	=85656 17202283750957697
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=83316 8821752850171395	=86737 98439605577367697	=81258 34959532874158157
=87017 84559783418954280	=83938 07420193563245893	=77059 11158488415747641
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31587 08733 56741 83599 54039 22357 46412 13420 79128 70988  
21819 33238 99854 21370 00339 23275 58995 70754 60119 08615  
28732 88825 68390 94531 56012 88217 52850 17139 84559 78341  
89542 76560 89487 82206 05690 44815 85448 20906 20892 65586  
94256 95471 75151 88080 82915 20782 17148 02152 07999 91201  
51203 66887 27312 82652 66377 49830 64782 20798 96132 19042  
39502 70021 81994 55181 94874 51085 00000

92349 92489 72455 82907 84673 48085 98341 42004 79174 69095  
13015 98919 58746 28172 45624 03868 71803 29074 98439 60557  
73676 07420 19356 32458 76707 74895 91679 35493 32469 24107  
27142 46852 94552 36262 73071 84593 35356 58876 69660 37742  
15319 45686 18271 51566 28032 75948 46714 97706 69665 95332  
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**10177/8076/6974 kHz, 27-04, 1015/1025/1025 UTC**

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=80144 644265758646912153  
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=85047 906622621264901159  
=82648 794846521818759109  
=85249 39655792602373163  
=84150 574330333147877108  
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=88559 619778359530763125  
=84860 780277668532656123  
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**10177/8076/6974 kHz, 28-04, 1015/1025/1025 UTC (2 msgs)**

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=7972 219651778084481143	=74020 021852213228798104	=81238 253434539283195135
=8943 684522727974500139	=83621 843153547297192013	=79339 004565521832725115
=8404 9218594193255749	=85622 51035492152373054	=89040 7046494023301878
=7885 81398411839871585	=83423 333608665103039179	=79841 481717561683894168
=8446 8091697052906429	=81824 808480534110420110	=87142 226593891635233150
=8227 84281117232408190	=81825 008886345776916135	=79343 312750515274944962
=8158 812686748141252986	=90326 194539430634246116	=79644 112358069349991141
=8439 553033485820753150	=84727 613155379528039120	=84245 413012089753865138
=83810 239599930150829121	=84028 144492738646035137	=82446 17391722327635467
=85211 98770961732755086	=78429 817816142931249155	=87747 90922803506942233
=81012 10653043792453691	=83630 540870000000000113	=85948 445009369359800182
=84013 103262614273766103	=85531 223111336501975188	=81749 71493632425072261
=85514 506133357392521121	=84632 802031464465382120	=86150 684496696275043178
=87415 855695515713912104	=87733 469429497265802146	=87551 48707867526784444
=81516 32219235839041791	=77834 45913642030890474	=86452 636820006719448146
=84017 53977403194775151	=83435 46535697090757176	=83253 860840517241293180
=81818 53968052806761291	=83836 663282984533496113	)71054 5506900000+++++154

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94193 25574 81398 41183 98715 80916 97052 90642 84281 11723  
24081 81268 67481 41252 55303 34858 20753 23959 99301 50829  
98770 96173 27550 10653 04379 24536 10326 26142 73766 50613  
33573 92521 85569 55157 13912 32219 23583 90417 53977 40319  
47775 53968 05280 67612 53291 02466 30773 02185 22132 28798  
84315 35472 97192 51035 49215 23730 33360 86651 03039 80848  
05341 10420 00888 63457 76916 19453 94306 34246 61315 53795  
28039 14449 27386 46035 81781 61429 31249 54087 00000

22311 13365 01975 80203 14644 65382 46942 94972 65802 45913  
64203 08904 46535 69709 07571 66328 29845 33496 94242 96076  
49111 25343 45392 83195 00456 55218 32725 70464 94023 30187  
48171 75616 83894 22659 38916 35233 31275 05152 74944 11235  
80693 49991 41301 20897 53865 17391 72232 76354 90922 80350  
69422 44500 93693 59800 71493 63242 50722 68449 66962 75043  
48707 86752 67844 63682 00067 19448 86084 05172 41293 55069  
00000

M42d (F06) – FSK 200/1000

Link 16404 / 16405

**19138/17545/15626 kHz, 28-04, 0800/0810/0820 UTC**

[Link ID 16405, Date 12th, Serial #98]

1be9 4015 770c 78f5 daee  
0000 4e05 738c fd7e 7a20 b0ed b86a b531 e759 6d52  
9592 3869 8786 2300 38d6 fb03 0bef 5385 7111 9f2b  
7f82 52de a894 1117 0cf1 4975 97c3 d930 a53c d220  
265c dde2 977a 2567 c41c 70a3 9e49 a0ab 3658 0ec5  
053a 3bce b668 7312 eb9b 17bb 0cee eb1a baaa ae30  
3cc4 7945 00da 8d5b 3728 ffef 239e e571 b980 0d37  
e246 24eb cacf 6621 e9f5 7f40 29f7 105c fe44 65e8  
8dbf ae97 a097 fe21 9178 d990 4778 2b87 6116 6221  
d2eb b3ba 54ba d8bc 9941 f852 4c8e 6610 747e 017a  
4751 f4be 29a3 f463 d8dc 62b5 4b36 22a8 ea0e 28b2  
d37a b0ff feab 0009 d9e1 cb61 97a7 64d1 22e8 6d93  
3f4b c0b9 6a75 dde6 bdf6 658f ac13 9d8c 33c0 158e  
4355 e344 82b7 d730 dd11 dbe2 6e9f 7382 6a8b da0e

a69b c876 7e20 4159 9718 e21c 50cd f2ee e0ab 00f8  
0dd0 ab95 29ec e46e c967 a542 08aa 6c1a 5c84 4546  
8d52 db57 1243 5156 1718 d8b5 4a86 e275 710c 6e65  
ef6d a41a 3290 e2d6 e415 dbac 0601 0b41 bdc0 0495  
90b7 0d5a 05b0 3f8d bbbf cf3c 3355 25fb e8f3 e683  
1432 85db bc16 33b9 2086 e0f3 d649 646b 127e 52dd  
ccd1 9c2a 21e7 308d cdeb 1645 acdb d765 3afd 6280

Link 20501

**12213 kHz, 03-04, 1550 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 3rd of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 4  
61232 00000 00000 00232 12857 03644 00893 61618

**15658/13395/11036 kHz, 05-04, 1650/1700/1710 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 5th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
34156 00000 00000 02425 12857 33155 00893 63916

**16357/14374/12213 kHz, 10-04, 1530/1540/1550 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 10th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
51652 00000 00000 02203 21447 35960 00893 33743

**15658/13395/11036 kHz, 12-04, 1650/1700/1710 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 12th of month : Msg Number 147 : Msg Type 07145 : Group Count (?) 4  
63628 00000 00000 02443 12857 36142 00893 49308

**16357/14374/12213 kHz, 17-04, 1530/1540/1550 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 17th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
39180 00000 00000 00919 12857 34095 00893 42563

**15658/13395/11036 kHz, 19-04, 1650/1700/1710 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 19th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
51652 00000 00000 01276 21447 36275 00893 19273

**16357/14374/12213 kHz, 24-04, 1530/1540/1550 UTC**

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.  
Block No 1 : Link ID 20501 : 24th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 4  
60092 00000 00000 03081 16418 03038 00893 25350

**15658/13395/11036 kHz, 26-04, 1650/1700/1710 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.  
Block No 1 : Link ID 20501 : 26th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
56989 00000 00000 03028 12857 36346 00893 24192

Link 28689

**13396 kHz, 26-04, 1605 UTC**

[Link ID 28689, Date 26th, Serial #1]  
1be9 7011 568d 0402 eff1  
4b90 0331 685c 0a0f ee69 e60e 13eb 1966 2564 d1f8  
02d0 8c7f 5a31 20f6 1eec 40e4 97b8 7c08 f792 243a  
0d9c 30f5 9c99 9f58 0cee eacd d883 07d1 90ae b993  
03f4 bf49 44a3 9f09 263f 89c9 ba30 4b5d 2783 12f9  
0a7e 9081 eb6d aa54 e5dc 68a5 b5b0 01c0 cb07 49f7

1a07 6a47 4033 9249 f807 f34b 12e3 1582 f340 5a7e  
801c b877 7120 e0e9 3312 51cd c50a d7e6 2482 ece6  
f6cb 1ff0 5d14 bafa 6145 72ec 539b c96c efb8 0c6c  
4b46 fc3d 1b43 407a 0029 38e4 73fc e444 6f56 7b75  
d635 a094 d5e1 29c4 3a26 cdc1 5341 1589 135c a383  
e21f c8d5 ed4c bfaf bb13 0499 5ef4 76e0 d1e1 aaf0  
d5de a7f3 6587 cf16 50d3 8940 c189 fa85 2318 4e09  
0729 9259 7c6c 7e83 deb0 a363 0108 e401 c9e4 9c09  
e220 9c4d 9e70 4cb7 5f66 6d4d 5766 7e53 3c2e c7ab  
d504 4eb9 2ea0 88d8 f6ad 53b7 2840 b109 2078 f3bb  
8f1d f844 f8e9 7cd3 dc77 0580 f65d ee26 e454 ad7c  
1337 1965 80f4 e4fb 14fc bf83 49c0 363f a258 82d0  
1785 5f8e 94da d953 ad31 c33d 34c6 86ec 11d1 f20c  
f120 d036 7e54 8de2 81ef e117 300c 0d23 a47b 1e0a  
6393 1752 df7e 0492 f58f 2734 d68c c282 4420 0042  
a8b7 ba92 6418 5287 ae74 de68 365a abb7 8eaa c36c  
69af db60 0a79 8e2d 8b1d 7a61 e25e c559 07b7

Link 32799

**18469/16309 kHz, 12-04, 1410/1420 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 12th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
40248 00000 00000 01732 14796 35235 00893 35792

**20574/18469/16311 kHz, 19-04, 1400/1410/1420 UTC**

Block No 0 : Total Message Size 30 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 19th of month : Msg Number 102 : Msg Type 07145 : Group Count (?) 196  
20200 10499 54156 34580 19279 36611 05452 62820

[Link ID 32799, Date 19th, Serial #41]

1be9 801f 4ee8 be66 c4f6  
d38c 2903 2c53 0202 2c7b 3034 c659 d8d7 6600 9512  
b8a4 8bcf 2add 52b9 a662 5279 675e 7e1d 5e24 acb8  
602e 5c52 2e91 6a7a 5a1b 4898 0078 4b4b f5b9 67f5  
2aec 4ab0 1b0e 19b3 66e0 9f2a 7280 b3d4 2527 2463  
a489 9ab7 78c0 2b31 f3d8 9b83 b048 7551 8e5f 2920  
45e3 6185 a1e6 119e a903 b79a 813d 58d8 1525 3e07  
32b1 26b2 373a 2aac fd74 4892 30ee a257 858f 311c  
6d01 1ed1 6029 d5a4 8df9 20b0 a8a2 735c 3b40 6e24  
b315 f036 e92a e7d1 03e5 d810 5b08 66b6 1e93 bf26  
be56 cf64 6604 f80e 5222 2e1e ef28 4fcc a8fb 8415  
36b6 62de 8208 0cb7 01c0 b890 d957 65d4 9621 a6e1  
7ad8 5f1d d00c ab11 8a6b 1a6b 4a39 9aaf 26a3 79c0  
bad2 e5e4 3591 6ba8 a077 560d 9e94 60a9 7286 c80d  
4c2f 59bd 0d08 597d d936 5fc4 8074 c5b3 3d4b 4366  
cb0f 0483 4a56 3d91 a2b7 c825 1227 e5c6 e3e2 8727  
dbc8 5f68 f407 bc06 5a11 3885 7572 5a31 1033 c124  
92f2 969e f778 60ba aea5 35f8 1794 2dd5 0701 29a4  
aa22 cacc 1abc c7d8 dd33 2dda ad67 f530 70a4 2000

**20574/18469/16311 kHz, 26-04, 1400/1410/1420 UTC**

Russian diplo/intel. Null msg on link 32799

Link 32816/32817

**14722/12172 kHz, 27-04, 0610/0620 UTC**

Block No 0 : Total Message Size 62 blocks : This transmission contains one message.

Block No 1 : Link ID 32817 : 23rd of month : Msg Number 155 : Msg Type 07145 : Group Count (?) 167  
47048 06217 57940 39326 00500 04814 24498 58133

Link 32821

**20386/18509/16231 kHz, 23-04, 2100/2110/2120 UTC** Null message. Link ID: 32821.

**20589/18371/16108 kHz, 23-04, 2130/2140/2150 UTC** Null message. Link ID: 32821.

Link 36882

**17463/15648/13425 kHz, 09-04, 1100/1110/1120 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 9th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
07480 00000 00000 01889 31234 34588 00893 21849

**17463/15648/13425 kHz, 16-04, 1100/1110/1120 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 16th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
22796 00000 00000 02468 28573 36012 00893 20308

**17463/15648/13425 kHz, 23-04/24-04, 1100/1110/1120 UTC**

Block No 0 : Total Message Size 19 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 22nd of month : Msg Number 117 : Msg Type 07145 : Group Count (?) 116  
10468 64601 57115 04463 43092 35224 19623 17556

[Link ID 36882, Date 22nd, Serial #47]

1be9 9012 28e4 dc75 74e5  
df1b fc59 b9e8 d520 8b20 80d6 1e4f 17c6 1031 12c3  
6c15 e13e d721 78d5 b39e 95d1 c425 df02 42d6 e439  
8ada 1bd9 59e2 126f cdfc dac4 23b4 4b12 588e c979  
9e59 1950 b13f a407 ce2f 6b9d c854 3df6 d556 f454  
a98a 0e6c 9906 27e3 cd6e 80ae 2a98 d6aa eea7 493c  
4d09 db1b 0eb0 ccd7 d87a 202b b3a7 c756 2769 3baa  
2c1c a091 6e8e 8ab0 bd86 5d5d 3f77 58f6 88a5 aa82  
2c68 6f15 c156 8c6e b313 570f e0e9 2da5 5cc4 ab77  
f96f 1451 7abc 05d7 4083 1383 f6b0 a9c0 f13a 4210  
c09a 9e9d a372 11e3 3b3f 3ce5 3fc4 c93b 82d2 8d97  
648f 6582 ab4e ec0e 716f c7

**17463/15648/13425 kHz, 30-04, 1100/1110/1120 UTC**

Block No 0 : Total Message Size 27 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 28th of month : Msg Number 120 : Msg Type 07145 : Group Count (?) 174  
06009 14809 10352 05642 31234 02728 45346 01544

Link 40988

**11124/9248/7946 kHz, 19-04, 2300/2310/2320 UTC**

**15991/13546/11161 kHz, 22-04, 0600/0610/0620 UTC**

[Link ID 40988, Date 18th, Serial #67]

1be9 a01c 262c b4a7 06e2  
~476 groups

The 22-04 transmissions had two carriers at once on all broadcasts, and were therefore too poor to decode.



Link 45057

**17481/15946/13543 kHz, 09-04/10-04/23-04/24-04, 0900/0910/0920 UTC**

Block No 0 : Total Message Size 15 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 8th of month : Msg Number 205 : Msg Type 07145 : Group Count (?) 91  
56596 55958 05914 36627 49814 01738 27475 04748

[Link ID 45057, Date 8th, Serial #82]

1be9 b001 dd14 50cd 5bed  
171a da96 8118 83a5 2b2a 4a6a 3fa3 d8bc 2013 6d4f  
49cf 4920 5823 021b ca0c 4ae5 8999 0bd9 0a18 8826  
b811 e568 4dc8 449a c952 7794 6f4d 2ab6 5832 a3b6  
c079 5066 46bf c863 6f48 cfed 0d14 8c21 1efd b995  
31f7 a47c 9591 4067 8c83 d3f4 8b07 d4b5 5625 4c91  
85e4 17af dcd7 bd67 77f8 9362 e356 0f57 e8d6 9e15  
50dd f5d1 48a4 9ce5 0fb4 ad46 2f68 f607 0703 04c8  
76eb 0a23 ed55 0e97 bdbf 60cd 6f5c 3bed 8391 86ed  
9501 a0e8 d0e1

Link 45075

**17496/15829/13408 kHz, 06-04, 0800/0810/0820 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 6th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 4  
19176 00000 00000 01331 21930 33986 00893 08159

**17496/15829/13408 kHz, 13-04, 0800/0810/0820 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 13th of month : Msg Number 042 : Msg Type 07145 : Group Count (?) 4  
19176 00000 00000 03926 21930 34292 00893 53976

**17496/15829/13408 kHz, 20-04, 0800/0810/0820 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 20th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 4  
16972 00000 00000 00331 21930 01166 00893 06873

**13406 kHz, 27-04, 0820 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 27th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 4  
16973 00000 00000 00224 21930 02828 00893 51482

Link 45079

**8184/6773 kHz, 18-04, 0410/0420 UTC**

**10636/8163/6854 kHz, 20-04, 2100/2110/2120 UTC**

[Link ID 45079, Date 15th, Serial #13]

1be9 b017 2a80 9620 8af7  
0cfb 4839 cc57 0a92 971a e897 2517 cb73 dcd0 c4ce  
631a 05d5 1d47 58ae c81c 4b32 5018 c39b da79 167e  
742e cb1b 9553 16a5 b6cc bcc7 34a5 5b4e 9f6a d8b9  
3007 c35f 0bf6 7baf d4db 5c61 95a1 3a15 68a8 b7fa  
156d 2fde edda 14f4 ee4e 552f f4a6 7ad6 6c43 24b9  
54e7 2a31 9a73 6c74 527b fd6c 784e c4f4 e5d3 7f1b  
b0b6 05bd 53b4 021c 1e23 1d61 6d01 35af 22f2 905e  
dee7 5aa3 02eb 0e58 7631 5555 2573 59e0 b093 bc76  
3524 86a0 656d 23e0 a123 4b28 eb82 e9d3 ad38 71eb  
4058 01bd ace3 e582 9d91 6e5f 995c 7e10 f922 7b42  
c81a 5987 cf98 ba99 bb98 9d9d 50f3 0ad5 aa58 0c0a  
ea8c 0f23 2742 dd92 4c51 0a0a 561f 2fbf e7c5 61b6

Link 45114 / 45115

**16260/14370/12153 kHz, 09-04, 0800/0810/0820 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45114 : 9th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
63124 00000 00000 00622 56490 34251 00893 11569

**16260/14370/12153 kHz, 23-04/24-04, 0800/0810/0820 UTC**

Block No 0 : Total Message Size 10 blocks : This transmission contains one message.

Block No 1 : Link ID 45114 : 22nd of month : Msg Number 072 : Msg Type 07145 : Group Count (?) 54  
35124 21832 02777 36905 53087 32793 58877 32577

[Link ID 45114, Date 22nd, Serial #29]

1be9 b03a 8934 dc48 36f9

0ad9 5548 c063 b10e db1c 6db2 9f5a c7ca 2f93 a900

db22 fbef 37ea 135b 54cb f3c7 3c56 9a37 b58c 8ede

dea9 7a81 e263 02bb 7ec1 9d9c 7558 d9bb 1a3c 0da7

07ad f783 7777 9490 b4f3 793c b019 5cfb 6a9c 1754

cbc9 9f82 56a6 9506 e0c9 b4fe 53eb becf 3400

Link 45136 / 45137

**11054/8189/6952 kHz, 01-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 1st of month : Msg Number 185 : Msg Type 07145 : Group Count (?) 4  
22752 00000 00000 02765 55182 00919 00893 63730

**11054/8189/6952 kHz, 04-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 04-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 2nd of month : Msg Number 215 : Msg Type 07145 : Group Count (?) 251  
31004 61667 25238 03130 07583 02508 20424 28459

**11054/8189/6952 kHz, 05-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 05-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 50 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 4th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 177  
64044 27169 59640 20859 55182 35107 24900 28940

**11054/8189/6952 kHz, 06-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 06-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 5th of month : Msg Number 222 : Msg Type 07145 : Group Count (?) 239  
09596 49637 35985 37104 58024 33148 05543 27020

**11054/8189/6952 kHz, 07-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 07-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 53 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 6th of month : Msg Number 225 : Msg Type 07145 : Group Count (?) 215  
63724 53829 11548 05577 58024 01111 59012 18476

**11054/8189/6952 kHz, 08-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 8th of month : Msg Number 192 : Msg Type 07145 : Group Count (?) 4  
55604 00000 00000 03247 55182 35257 00893 09064

**10388/8084/6780 kHz, 11-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 37 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 8th of month : Msg Number 230 : Msg Type 07145 : Group Count (?) 243  
17896 01872 54217 35889 55182 03665 15858 61235

**11054/8189/6952 kHz, 12-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 59 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 11th of month : Msg Number 232 : Msg Type 07145 : Group Count (?) 221  
06888 07602 14595 40942 58024 34396 35730 01256

**11054/8189/6952 kHz, 13-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 44 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 12th of month : Msg Number 237 : Msg Type 07145 : Group Count (?) 37  
22932 25808 32248 24092 65099 38903 52112 17450

**10388/8084/6780 kHz, 14-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 64 blocks : This transmission contains 3 messages.

Block No 1 : Link ID 45136 : 13th of month : Msg Number 240 : Msg Type 07145 : Group Count (?) 155  
17764 25136 05897 32886 55182 02007 63498 12411

**11054/8189/6952 kHz, 15-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 15th of month : Msg Number 210 : Msg Type 07145 : Group Count (?) 4  
29240 00000 00000 03788 09959 02648 00893 29661

**11054/8189/6952 kHz, 18-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 18-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 14th of month : Msg Number 245 : Msg Type 07145 : Group Count (?) 215  
57836 13128 39624 23853 65231 03628 26449 29181

**11054/8189/6952 kHz, 19-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 54 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 18th of month : Msg Number 247 : Msg Type 07145 : Group Count (?) 171  
42764 03109 52758 26558 09959 34941 63850 17003

**11054/8189/6952 kHz, 20-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 19th of month : Msg Number 005 : Msg Type 07145 : Group Count (?) 223  
32168 32992 39361 02679 55182 00042 50958 65401

**11054/8189/6952 kHz, 21-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 51 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 20th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 153  
34592 05844 34435 40234 58024 34081 56924 13321

**11054/8189/6952 kHz, 22-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 22nd of month : Msg Number 115 : Msg Type 07145 : Group Count (?) 4  
43128 00000 00000 01871 09959 02200 00893 26930

**11054/8189/6952 kHz, 25-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 25-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 35 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 22nd of month : Msg Number 012 : Msg Type 07145 : Group Count (?) 227  
49384 13536 05198 04971 58024 36071 14128 02739

**11054/8189/6952 kHz, 26-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 26-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 47 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 25th of month : Msg Number 015 : Msg Type 07145 : Group Count (?) 151  
36332 27414 11314 35911 58024 03630 45430 53091

**11054/8189/6952 kHz, 27-04, 0700/0710/0720 UTC**

**10388/8084/6780 kHz, 27-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 36 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 26th of month : Msg Number 020 : Msg Type 07145 : Group Count (?) 233  
17897 46337 35332 07349 55182 03963 52472 08369

**10388/8084/6780 kHz, 28-04, 1200/1210/1220 UTC**

Block No 0 : Total Message Size 47 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 27th of month : Msg Number 022 : Msg Type 07145 : Group Count (?) 157  
07593 42311 23328 29385 58024 34146 36223 28004

**11054/8189/6952 kHz, 29-04, 0700/0710/0720 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 29th of month : Msg Number 007 : Msg Type 07145 : Group Count (?) 4  
17897 00000 00000 01911 55182 33663 00893 60912

Link 49202

**10201 kHz, 27-04, 2220 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49202 : 27th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
52921 00000 00000 02195 37831 36348 00893 57146

Link 49237

**15951/13506/11483 kHz, 07-04, 1330/1340/1350 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 6th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 4  
63956 00000 00000 02273 47143 03888 00893 51219

**15951/13506/11483 kHz, 14-04, 1330/1340/1350 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 14th of month : Msg Number 057 : Msg Type 07145 : Group Count (?) 5  
05824 00000 00000 00669 54891 33199 03007 07765

**15951/13506/11483 kHz, 21-04, 1330/1340/1350 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 21st of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 4  
30108 00000 00000 03729 39258 34498 00893 13936

**15951/13506/11483 kHz, 28-04, 1330/1340/1350 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 28th of month : Msg Number 032 : Msg Type 07145 : Group Count (?) 4  
30109 00000 00000 00535 39258 33320 00893 29382

Link 53277

**18476/16168/14643 kHz, 06-04, 1230/1240/1250 UTC**

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 6th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4  
06972 00000 00000 02351 25896 34723 00893 20759

M42d (F06) added a new format to their collection.  
 Danix sent me a number of logs and explains what the difference is.  
 Priyom assigned designator F06a to this format.

Danix says: "It looks strange, there is no header of the usual format. We investigated it, and concluded that this is a 250 x 5FG message encoded in 8-bit ASCII, formatted as 10 groups per line, preceded by a usual 5-group header and two line breaks (just like in the 75/500 Baudot TX's btw), but garbled to the point of no possible decode due to missing 4-bit chunks all over the place. The header was partially recovered as 11100 \_\_\_\_\_ 02001 02509. I encountered this format once before, back on June 30, 2015 at 1440/1450/1500 UTC on 11574/9943/8142 kHz. It was another 250 x 5FG message that is impossible to decode for the same reason. Note that no link ID has so far been seen more than once and the date is always the day of the broadcast."

**12224/10944/9062 kHz, 02-04, 1500/1510/1520 UTC**

```
0000 0614 0000 0303 3235 302e 52a4 1313 1303 2033
3030 7372 3331 3634 7203 0323 3031 2030 2353 390d
0a0d a313 6303 3320 3531 1313 2035 3235 6352 0303
3632 3220 9353 3632 2036 8353 3332 3932 3536 5203
3739 3633 0303 7373 3620 3738 3343 0d0a 3035 9393
4203 3735 3430 0373 3831 3320 8353 0343 2037 3132
5392 3831 3036 9203 6363 3633 2031 4373 3520 3736
8323 9203 3533 3136 d0a3 3539 3238 0383 2393 3620
3738 9333 2033 3933 8322 0303 3134 3220 3393 3535
2034 4353 3382 3833 3237 3203 3732 3831 0373 0303
310d 0a37 7393 3520 3134 9313 6203 3631 3036 0353
3934 3520 5343 7353 2035 3238 2352 3138 3135 0203
4333 3631 2031 0383 3120 3936 5393 80d0 3533 3933
7203 3435 3034 0363 1323 3120 3132 4333 2036 3833
2342 0343 3037 3220 4353 3433 2035 5383 6312 3032
3836 8203 3238 3431 d0a3 2343 3838 2034 8383 3720
3330 1353 8203 3436 3037 0373 3031 3220 5333 4373
2039 3130 7312 3436 3439 4203 6343 3935 2030 9343
390d 0a35 0383 7322 3533 3138 3203 3132 3135 0323
7363 3620 3335 0383 2039 3630 8302 0373 3832 3220
5363 3437 2033 1313 1352 3135 3039 00d0 3337 3736
6203 6333 3438 2036 6343 3420 3633 6393 1203 3834
3238 0303 3432 3820 9393 7363 2030 3730 0382 3930
3630 1203 4323 3630 0d0a 8343 3531 2038 7353 4332
3935 3934 2203 3839 3039 0393 4393 3920 3838 2383
2037 3932 4322 0373 3332 3820 1363 3731 2034 7383
7350 0a33 3239 5372 3531 3634 7203 5313 3838 2030
7343 3220 3230 4313 5203 3039 3934 0383 3834 3820
9343 0393 2031 3131 7312 3830 3337 90d0 a393 3230
3620 7303 3631 2034 6393 1332 3634 3030 2203 3333
3434 0303 3313 3020 3131 3383 2038 3835 8302 0333
3936 3220 3373 3530 0d0a 0323 7323 2030 3838 8362
3837 3131 1203 6393 3438 2033 1373 3320 3032 6373
6203 3335 3933 0353 3639 3020 9343 3373 2032 3732
0340 0a30 3532 7372 0323 3838 3920 9323 3637 2031
4353 0342 3830 3234 9203 3630 3230 0393 8353 3820
3937 6323 2038 3637 7302 0393 3339 300d a393 3235
3720 8353 0323 2034 3339 3362 3738 3633 3203 2363
3130 2032 5323 3420 3134 0303 6203 3830 3934 0343
3130 3220 2393 2373 0d0a 3832 3323 2031 3632 0382
0343 3834 3520 4323 3639 2038 5383 0362 3336 3535
5203 3036 3232 0383 2353 3720 3735 8323 2035 3932
7350 d0a3 3132 3233 0383 3635 3720 2363 5393 2031
3635 3372 3735 3033 4203 4383 3834 2032 4383 3920
3334 7343 3203 3238 3135 0383 3339 370d a303 1373
```

3520 3338 1363 2030 3136 0362 0323 3239 3120 9333  
3737 2039 3363 7342 3737 3230 1203 3337 3531 0333  
9353 3120 3531 3313 0d0a 3835 6333 2203 3032 3034  
0353 3832 3620 6303 3303 2033 3230 8342 3530 3835  
6203 5383 3539 2036 5323 3320 3530 6393 1203 3634  
3435 d0a3 3830 3131 0313 2333 3820 3533 6363 2032  
3135 6302 0303 3637 3320 1393 3332 2030 3313 2392  
3437 3733 7203 3935 3031 0393 2333 300d 0a30 4323  
3520 3132 5313 2203 3034 3233 0383 3433 3220 4323  
8303 2035 3136 1322 3332 3136 7203 5303 3635 2031  
6303 3320 3836 4393 10d0 3132 3635 3203 3335 3636  
0333 0303 3320 3034 3373 2031 3939 8322 0313 3937  
3220 6313 3039 2036 3303 0312 3834 3935 5203 3934  
3236 d0a3 0393 3530 2033 7333 3120 3733 0373 6203  
3839 3035 0373 3632 3220 5303 0393 2030 3639 5322  
3838 3830 1203 8373 3831 2035 4313 360d 0a34 5303  
4362 3930 3434 1203 3830 3439 0353 7343 3120 3737  
7323 2030 3030 2382 0373 3439 3320 0393 3238 2032  
6353 0332 3638 3639 90d0 3732 3735 2203 9303 3237  
2035 7343 3920 3333 3383 6203 3635 3836 0373 3039  
3920 4343 8383 2037 3831 5392 3832 3635 4203 2373  
3737 0d0a 4353 3430 2035 0373 5302 3831 3837 6203  
3335 3633 0373 0343 3820 3633 9333 2038 3131 1312  
0373 3736 3920 6343 3132 2033 6343 8330 9999 9999  
9999

**11045/9159/7569 kHz, 02-04, 1520/1530/1540 UTC**

It was also pretty damaged, but at least the header was fully recoverable. The file size, which they include as the second group in these ASCII messages, is for the undamaged file.

Size: 1569 bytes  
Group count: 253

11100 80159 13465 03001 02539  
91334 5689\_06043 5\_447 89326 02287 472\_4\_9424 237\_\_1798\_  
54705\_6097 23890 8327\_08659 34308 14\_\_2 85438 98267\_9445  
\_8084 60331 6924\_34071 0\_436 46373\_4428 39505\_3696 101\_5  
519\_4 45771 3\_673 33410 01052 58375 37090 73\_74 093\_2 65328  
25455\_7780 126\_4 5286\_02\_99 2\_260 50\_86 0\_270 76654\_1975 ....

**13965/11572 kHz, 21-04, 1700/1710 UTC**

All corrupt as always.  
File size: 1636 bytes  
Signature: 32 36 34 2e 44 c4 3b a2 7c 98 (first five bytes are ASCII: 264.D)

11100 60069 36592 21001 02649  
756\_0 6485\_48041 7\_426 49302 82749 5596\_093 868\_5 5568\_  
20\_18\_2055 0\_521 4752\_69778 614\_9 18\_41 991\_6 52661\_5401  
\_0120 434\_0 06\_22 18892 2\_299\_7363 09088 33014\_5540 071\_4  
068\_5 76929\_5473 3\_797\_172\_89222 22991 32\_56 5433\_19686  
6191\_5461 38234 6744\_14373 53978 86304 86379 116\_9 3580\_ ....

**12185/10328 kHz, 21-04, 1910/1920 UTC**

File size: 1636 bytes  
Signature: 32 36 32 2e 44 c4 3a 3e af 94 (first five bytes: 262.D)

11100 20054 7156\_22002 02629  
207\_0 66313 251\_\_0\_845 16337 87423 80721\_0305 674\_2 9321\_  
16514\_2288 83519 545\_\_04113 0060\_56347 812\_1 41680\_6053 ....

A F06a was copied i.p. by Danix on **25-04 at 1638 UTC on 7992 kHz**

- Total number of blocks: 567.

- Number of messages: 2.

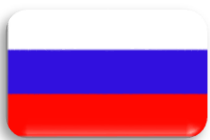
- First message started at block #3.

- Second message started at block #398.

X06 - Mazielka

<b>Code</b>	<b>Freq</b>	<b>Date</b>	<b>UTC</b>	<b>Day</b>	<b>Sequence</b>
X06b	18667	4-3	1327	Fri	Mazielka. Sequence: 1--6--
X06b	18667	4-3	1343	Fri	Mazielka. Sequence: 1--6--
X06b	18667	19-3	1327	Sat	Mazielka. Sequence: 1--6--
X06b	18667	19-3	1330	Sat	Mazielka. Sequence: 1--6--
X06b	16138	20-3	1430	Sun	Mazielka. Sequence: 1--6--
X06	14863	25-3	1110	Fri	Mazielka. Sequence: 615243
X06	16219	1-4	0828	Fri	Mazielka. Sequence: 324615
X06	14501	1-4	1001	Fri	Mazielka. Sequence: 361245
X06	12215	1-4	1106	Fri	Mazielka. Sequence: 361245
X06	14942	5-4	1200	Tue	Mazielka 6 tone selcall
X06	13838	6-4	0646	Wed	Mazielka. Sequence: 256341
X06	14631	6-4	0904	Wed	Mazielka. Sequence: 362154
X06	16103	6-4	1120	Wed	Mazielka. Sequence: 215346
X06	17468	7-4	0735	Thu	Mazielka. Sequence: 436512
X06	17468	7-4	0952	Thu	Mazielka. Sequence: 436512
X06	19405	7-4	1229	Thu	Mazielka. Sequence: 352416
X06	16132	7-4	1236	Thu	Mazielka. Sequence: 352416
X06	17468	7-4	1412	Thu	Mazielka. Sequence: 436512
X06	14863	8-4	1001	Fri	Mazielka. Sequence: 615243
X06b	16114	9-4	1821	Sat	Mazielka. Sequence: 1--6--
X06b	12138	10-4	1714	Sun	Mazielka. Sequence: 1--6--
X06b	14538	10-4	1715	Sun	Mazielka. Sequence: 1--6--
X06b	12138	10-4	1718	Sun	Mazielka. Sequence: 1--6--
X06	13423	11-4	0805	Mon	Mazielka. Sequence: 421635
X06	16117	11-4	0931	Mon	Mazielka. Sequence: 463125
X06	13517	11-4	0940	Mon	Mazielka. Sequence: 463125
X06	13420	12-4	0803	Tue	Mazielka. Sequence: 534216
X06	11025	12-4	1017	Tue	Mazielka. Sequence: 612534
X06	14970	12-4	1020	Tue	Mazielka. Sequence: 216354
X06	13369	13-4	0740	Wed	Mazielka. Sequence: 412356
X06	12126	14-4	0804	Thu	Mazielka. Sequence: 521634
X06	13506	14-4	0937	Thu	Mazielka. Sequence: 164532
X06	12200	14-4	1407	Thu	Mazielka. Sequence: 263145
X06	14812	14-4	1424	Thu	Mazielka. Sequence: 263145
X06	10535	14-4	1535	Thu	Mazielka. Sequence: 564213
X06	12168	15-4	0546	Fri	Mazielka. Sequence: 213546
X06	12168	15-4	0552	Fri	Mazielka. Sequence: 213546
X06	12168	15-4	0557	Fri	Mazielka. Sequence: 213546
X06	16219	15-4	0819	Fri	Mazielka. Sequence: 324615
X06	16219	15-4	0828	Fri	Mazielka. Sequence: 324615
X06	18197	15-4	0930	Fri	Mazielka. Sequence: 645321
X06	12215	15-4	0958	Fri	Mazielka. Sequence: 361245
X06	12168	15-4	2135	Fri	Mazielka. Sequence: 213546
X06	10181	17-4	1410	Sun	Mazielka. Sequence: 452163
X06	12142	18-4	0749	Mon	Mazielka. Sequence: 432516

Code	Freq	Date	UTC	Day	Sequence
X06	12142	18-4	0749	Mon	Mazielka. Sequence: 432516
X06	14825	18-4	1509	Mon	Mazielka. Sequence: 641523
X06	13395	18-4	1555	Mon	Mazielka. Sequence: 532614
X06	11462	19-4	0751	Tue	Mazielka. Sequence: 165423
X06	15687	19-4	0839	Tue	Mazielka. Sequence: 154263
X06	16188	19-4	1150	Tue	Mazielka. Sequence: 325614
X06	14547	20-4	1012	Wed	Mazielka. Sequence: 645321
X06	16115	20-4	1104	Wed	Mazielka. Sequence: 215346
X06	14447	21-4	0732	Thu	Mazielka. Sequence: 162543
X06	10653	22-4	0827	Fri	Mazielka. Sequence: 356412
X06	20665	22-4	0849	Fri	Mazielka. Sequence: 325614
X06	19145	22-4	0855	Fri	Mazielka. Sequence: 325614
X06	16188	22-4	0914	Fri	Mazielka. Sequence: 325614
X06	16188	22-4	0916	Fri	Mazielka. Sequence: 325614
X06	17463	22-4	0949	Fri	Mazielka. Sequence: 256134
X06	13423	25-4	0810	Mon	Mazielka. Sequence: 421635
X06	16117	25-4	0932	Mon	Mazielka. Sequence: 463125
X06	13420	26-4	0755	Tue	Mazielka. Sequence: 534216
X06	17470	26-4	1015	Tue	Mazielka. Sequence: 216354
X06	13510	26-4	1017	Tue	Mazielka. Sequence: 612534
X06b	14538	26-4	1706	Tue	Mazielka. Sequence: 1--6--
X06	13369	27-4	0732	Wed	Mazielka. Sequence: 412356
X06	15878	27-4	1004	Wed	Mazielka. Sequence: 621543
X06	14419	28-4	0807	Thu	Mazielka. Sequence: 521634
X06	16153	28-4	0807	Thu	Mazielka. Sequence: 153624
X06	13506	28-4	0941	Thu	Mazielka. Sequence: 164532
X06	13506	28-4	0945	Thu	Mazielka. Sequence: 164532
X06	16223	28-4	0953	Thu	Mazielka. Sequence: 164532
X06	14811	28-4	1424	Thu	Mazielka. Sequence: 263145
X06	14440	28-4	1516	Thu	Mazielka. Sequence: 564213



XPA

**10359/11559/13559 kHz, 02-04, 0600/0620/0640 UTC**

355 355 355 000  
01361 00001 00000 10140

**10359/11559/13559 kHz, 06-04, 0600/0620/0640 UTC**

355 355 355 000  
03067 00001 00000 10140

**10359/11559/13559 kHz, 09-04, 0600/0620/0640 UTC**

355 355 355 000  
02226 00001 00000 10140



**10943/10243/9243 kHz, 05-04/07-04, 1900/1920/1940 UTC**

922 922 922 1 922 922 922 1 922 922 922 1  
05212 00175 65919 87018 47155 51329 74928 41931 47915 98656  
31949 16081 35849 51995 02579 56972 60519 70397 26474 01184  
74380 88839 94011 83136 39758 92861 44537 46180 79863 92920  
71248 29834 45367 85679 52154 81170 89602 49213 60060 94115  
00957 10047 64103 12673 26446 23780 76288 71137 49841 75576  
24216 34283 26715 72473 55273 74409 71892 37712 66182 99828  
09704 32157 65395 74175 56984 75086 20485 94195 10630 16578  
32380 24613 08750 31731 46600 25989 29777 13050 69182 41885  
64183 44893 33648 02552 23728 43288 78391 69683 50855 22038  
52576 14880 12322 82608 41656 53465 15178 10553 02358 79082  
00160 96576 21378 66623 43823 68213 32990 15419 04212 38399  
42775 22756 76249 80467 43730 79870 20390 01779 47868 90456  
44874 35648 38954 91572 90878 57748 28479 25307 69737 35581  
73606 31177 89090 29955 86686 36605 92114 32144 63298 14237  
50333 93177 23665 90295 50833 31753 87751 70174 79433 13339  
51783 90728 67963 80201 95933 37437 20681 21890 29891 35181  
00507 48493 04934 17067 46160 46775 05505 68703 71935 10688  
95898 59654 40624 13097 57839 42422 41888 64017

**10943/10243/9243 kHz, 12-04, 1900/1920/1940 UTC**

922 922 922 000  
01724 00001 00000 10140

**10359/11559/13559 kHz, 13-04/16-04, 0600/0620/0640 UTC**

355 355 355 1 355 355 355 1 355 355 355 1  
07981 00113 78136 06747 37854 17349 07170 00111 27646 03639  
22377 43924 01354 95158 04765 83115 26301 75025 47542 93923  
63792 88495 06773 29603 03339 38921 95391 18993 05473 06097  
42576 37922 71007 88851 94020 84480 45970 59987 52039 10210  
12223 01115 74977 89412 33358 87283 60960 93745 97948 05586  
77743 35672 29194 69437 36698 98668 49776 48118 27097 19326  
25355 26152 18007 09402 19914 94704 48286 53079 01488 19840  
60914 51967 92576 46915 42297 40010 09648 78088 73869 10904  
32736 88094 66191 21542 51612 39171 92891 08292 45705 77542  
44850 05358 04108 88414 45422 78923 58145 45279 16719 85000  
99132 04719 91427 62271 33139 22742 86318 11402 14599 28636  
07069 07006 94443 23988 16073 41404

**10943/10243/9243 kHz, 14-04, 1900/1920/1940 UTC**

922 922 922 000  
04141 00001 00000 10140

**10943/10243/9243 kHz, 19-04, 1900/1920/1940 UTC**

922 922 922 000  
01724 00001 00000 10140

**10359/11559/13559 kHz, 20-04/16-04, 0600/0620/0640 UTC**

355 355 355 000  
07228 00001 00000 10140

**10943/10243/9243 kHz, 21-04, 1900/1920/1940 UTC**

922 922 922 1 922 922 922 1 922 922 922 1  
04244 00253 61187 61088 20327 65310 48010 68756 04392 31001  
41518 21926 09532 54902 35043 70427 89745 50100 99686 71978  
10181 03801 38208 69481 93504 42080 28819 07294 19811 38269  
88074 04617 69706 24511 57397 51697 24468 26207 91924 05774  
46690 15944 32210 09139 20033 10703 79019 73361 32629 89042  
63720 74210 68689 19332 60720 17648 34115 14417 17492 44987  
33152 36319 24778 71637 36398 88974 50729 78291 84275 60699  
14851 62979 64249 56174 10931 54931 34848 13413 43082 45172  
26326 39626 23712 31235 17922 93733 11784 80453 99092 90503  
81467 80927 67363 25918 06567 23836 98354 45014 23793 62110  
68451 85335 24389 23064 50170 14252 49468 91127 76829 21991  
61248 85013 17819 45534 27829 09864 52329 84804 71466 23446  
28395 28625 52018 89767 02382 47738 08692 51356 56794 99336  
34998 58656 88915 83921 08829 88910 52331 16732 53635 64322  
61046 56460 55687 31732 18869 99991 30374 18403 50138 52481  
25543 98776 28743 83800 91184 03491 13261 34361 93377 24103  
17149 53197 02322 74496 83839 40754 74169 25896 83529 64179  
75407 73197 49753 27946 97707 50047 20284 82716 61117 47028  
36871 66561 02091 08235 37427 30213 00002 64885 90643 08431  
97663 68995 05402 63420 23444 68117 16875 02249 06070 74764  
57052 17804 66242 93901 62591 35614 39760 37956 14793 31734  
88670 11708 74211 69055 38246 21191 65068 64283 43821 24747  
52078 96601 53920 21674 72101 44061 75232 00055 27243 22404  
82845 59686 50147 41334 10007 57972 62138 11496 57420 00352  
96795 77418 06565 93003 67093 53544 38566 68382 22486 18391  
63544 31826 95084 99927 47934 44415

**10359/11559/13559 kHz, 23-04/16-04, 0600/0620/0640 UTC**

355 355 355 000  
07921 00001 00000 10140

**10943/10243/9243 kHz, 26-04, 1900/1920/1940 UTC**

922 922 922 000  
07250 00001 00000 10140

**10359/11559/13559 kHz, 27-04, 0600/0620/0640 UTC**

355 355 355 1 355 355 355 1 355 355 355 1  
02741 00171 92181 37869 67166 54474 65083 26902 61116 38676  
52181 64923 53558 84176 80786 11958 98635 70525 15109 35593  
55298 73781 27337 12276 23728 04137 61773 57874 51172 36532  
71277 36777 39545 44452 25633 69016 16430 47672 26129 67714  
87559 47647 43783 90270 67334 93710 44754 18555 98273 97124  
04901 70364 48671 15122 50863 87768 29584 10508 54698 02571  
65499 85564 37349 92391 96809 48491 00412 88807 71741 72133  
33875 85704 13654 80646 83415 72826 69794 04150 68674 76469  
75747 92015 87921 96753 77586 77730 26548 93433 91447 15554  
16329 12529 93826 18618 87842 69852 67201 08473 31431 42351  
20027 56438 83117 18726 84345 69881 95647 97842 33780 78487  
94763 12660 08387 42794 06448 12607 87630 82383 18301 76859  
55796 72627 91224 60202 13900 66653 45728 74671 21597 25614  
05761 56208 10854 96866 04584 92264 16621 64428 61372 13112  
64296 22564 40206 49303 14884 26664 62449 31556 80487 82482  
47642 11023 29522 37228 23725 65705 33857 55007 13091 61616  
80470 72789 31485 34344 20247 50577 57672 57171 66715 18709  
86698 19386 77038 35441

**10243/9243 kHz, 26-04, 1920/1940 UTC**

922 922 922 000

09296 00001 00000 10140

**10359/11559/13559 kHz, 27-04, 0600/0620/0640 UTC**

355 355 355 000

02607 00001 00000 10140



XPA2

**16147/14947/14447 kHz, 01-04, 1500/1520/1540 UTC**

09914 00001 00000 10140

**17462/16114/14828 kHz, 01-04/02-04, 1900/1920/1940 UTC**

05932 00093 22934 88587 49683 63927 87647 00947 87666 25102  
44283 84216 74376 44072 27076 82432 32738 41474 03470 59510  
64958 15814 28583 78453 80388 64076 60768 03407 14737 84918  
83609 40781 95726 33265 72518 55053 12818 10844 76196 31162  
94696 96830 53484 25532 3x527 63341 50345 63213 62734 23312  
32610 64039 00732 31291 00031 01748 48872 72285 08071 30388  
05306 03863 22261 38669 99027 99202 22335 36656 71566 36499  
67533 52776 28873 21110 56660 00028 04287 22999 36334 23819  
09003 77888 71141 11067 18808 73986 01449 11987 54085 39772  
00775 10098 66148 07252 72615 15267

**14538/13538/12138 kHz, 03-04, 1800/1820/1840 UTC**

02141 00001 00000 10140

**14538/13538/12138 kHz, 05-04, 1800/1820/1840 UTC**

02392 00001 00000 10140

**16147/14947/14447 kHz, 08-04, 1500/1520/1540 UTC**

03520 00001 00000 10140

**16147/14947/14447 kHz, 10-04, 1500/1520/1540 UTC**

06298 00001 00000 10140

**14538/13538/12138 kHz, 10-04/12-04, 1800/1820/1840 UTC**

09465 00077 37724 25958 10263 43425 94754 87745 62034 79689  
93974 61474 22773 77207 97515 60066 33273 33792 44817 02457  
59573 24582 81224 68168 99300 07662 73996 62177 18252 62971  
42438 79954 21360 53349 22016 94281 16932 50162 14408 93904  
25414 76846 08375 89336 61797 01881 84195 86518 90291 77788  
54557 81643 37540 88390 45268 57435 01062 27705 49175 79956  
79819 47477 89120 51643 14582 18787 66061 14360 74125 16073  
18690 57547 55237 52824 80894 21756 93554 15201 89412 37272

**16347/17447/18747 kHz, 15-04, 0700/0720/0740 UTC**

02880 00085 55158 23909 92657 15634 56890 52437 61676 80150  
31180 63323 51881 22801 47917 53564 53293 30240 01563 09643  
75008 48403 59930 54356 47330 95028 78712 20292 95156 52661  
23431 12638 55744 53057 93298 35645 03019 69301 13035 84639  
13198 11707 39693 25188 28095 89869 85061 39444 12159 41955  
88498 48900 97230 26068 62453 51156 56905 21193 60358 59176  
96849 12338 65085 84337 72804 26900 82596 15522 75306 15993  
71564 93966 49455 77085 56623 23493 52442 06807 87788 39373  
63322 4812 31194 71720 07040 44904 74226 35547

**16147/14947/14447 kHz, 15-04, 1500/1520/1540 UTC**

00621 00197 50544 96829 68039 93306 64237 12788 00222 07556  
78830 82755 79832 47093 55216 10586 24822 48477 30817 78318  
18426 00846 28112 77259 39707 44763 59282 21650 16068 84201  
66356 78443 07397 08445 73949 00206 84391 69366 68704 52622  
35608 85090 93973 37515 35763 60564 45488 53293 45784 16653  
20163 22311 81629 55901 05517 81256 45915 94099 45574 25151  
52006 29121 54878 79205 63814 13125 97174 35968 48266 49004  
70909 96915 55557 91800 65871 40806 01211 26677 08289 28164  
30659 30595 88859 40059 16795 62723 58615 13232 33856 96349  
28878 25729 46267 77108 55428 07735 86437 13043 17543 91486  
66569 30482 55165 01891 07880 77884 14509 12770 40807 86178  
56918 18240 68348 48701 78159 37520 73901 36029 99504 89363  
07893 64053 60495 72331 65933 10190 01835 45253 39481 15424  
35606 98199 81701 96159 07015 19963 21420 18432 76165 58030  
25767 34409 67644 47467 58833 82863 22602 13386 41692 24624  
22814 19614 50034 20233 09434 52694 28322 25402 89402 78802  
01151 34472 60784 48946 98214 52140 36583 51997 26694 05158  
59055 29258 69163 26311 36992 87176 95644 88559 68864 43767  
99261 52090 41984 49877 64845 70738 71618 19811 16430 54424  
11850 28007 06835 78066 25533 92632 57571 15428 32308 42020

**17462/16114/14828 kHz, 15-04, 1900/1920/1940 UTC**

04007 00001 00000 10140

**16147/14947/14447 kHz, 17-04, 1500/1520/1540 UTC**

07772 00001 00000 10140

**14538/13538/12138 kHz, 17-04/12-04, 1800/1820/1840 UTC**

01661 00001 00000 10140

**16347/17447/18747 kHz, 19-04/22-04, 0700/0720/0740 UTC**

04114 00127 02996 51335 24955 27886 33695 35214 55571 10195  
95405 91106 13353 59433 41627 57587 77950 23460 71423 20061  
71313 00999 84595 45524 03480 53449 75417 93164 83637 43201  
06102 27710 58124 85434 82982 23923 64751 04650 49119 03153  
86205 82539 96619 08454 76132 49521 96730 58217 35524 03013  
66888 04436 27674 87376 60588 46428 06142 76684 25890 88476  
56868 29994 67847 76223 75274 34474 92750 99932 90938 22854  
17460 08999 03399 51387 67255 29460 49604 00440 02843 53628  
51059 14639 77889 41983 83468 06417 87001 77345 94857 34056  
17154 39339 27495 37220 58748 37569 71937 77686 62532 34325  
42211 13936 79071 29868 96679 75931 54985 13759 53291 27130  
62960 82060 47699 01242 25109 67280 85095 66465 50366 04290  
66626 20404 05793 79484 82974 85629 91288 57030 69290 52442

**14538/13538/12138 kHz, 19-04, 1800/1820/1840 UTC**

04151 00001 00000 10140

**16147/14947/14447 kHz, 22-04, 1500/1520/1540 UTC**

07071 00001 00000 10140

**17462/16114/14828 kHz, 22-04/23-04, 1900/1920/1940 UTC**

09364 00201 27063 93133 56443 27374 55432 90978 30999 10170  
81814 02337 23100 96331 85788 01591 35181 24418 94281 64441  
44488 57381 27188 34188 80326 17844 49091 53383 77999 00004  
89385 84141 69512 04810 74609 57412 26844 77558 56043 82290  
15527 85161 15827 66609 75526 90447 86006 73338 02852 00722  
55877 91320 13335 79273 70700 69099 07307 94044 58024 87486  
63233 01732 92563 05746 85724 82472 73899 56592 03396 00400  
95326 51839 86082 32590 16090 68909 11962 45228 38309 89035  
81937 80600 73193 83550 12967 29161 56583 35269 86755 95762  
37416 73283 47289 41592 37344 99553 00312 52272 10215 62197  
28711 13736 04042 82552 93710 61203 66186 25431 13991 25666  
53408 27678 23759 54980 71304 63716 50208 95073 08920 86982  
37671 53201 41933 24438 00907 20431 94148 92301 42197 87793  
22002 31636 19439 26608 12342 47180 36475 38140 24195 36463  
60987 28064 08479 77536 28056 38715 88958 34960 85935 10765  
50430 90185 36650 40624 57987 15193 31428 00174 31360 03312  
42209 95718 33537 92158 10710 11370 75331 88572 59714 74903  
09972 45567 99823 64849 61941 13066 28265 50312 10002 66644  
41536 85884 55577 05874 54392 28193 11493 18402 71844 33823  
21667 48189 07352 75665 24496 80229 09101 62788 47794 28174  
83207 60061 12992 56000

**16347/17447/18747 kHz, 26-04, 0700/0720/0740 UTC**

00446 00001 00000 10140

**16147/14947/14447 kHz, 24-04, 1500/1520/1540 UTC**

06815 00001 00000 10140

**14538/13538/12138 kHz, 24-04/26-04, 1800/1820/1840 UTC**

09140 00053 23600 62758 72059 45874 23394 60955 80505 81018  
77617 39526 20050 33181 24082 94029 68289 58034 00116 69686  
68178 47522 79969 13750 85762 57998 66391 01849 59512 73764  
10167 94724 58292 07010 23026 05322 89529 39677 79584 99492  
89969 44245 42125 78117 33560 98812 02702 72134 42751 69421  
94506 77698 86857 23468 30024 66477

**16347/17447/18747 kHz, 29-04, 0700/0720/0740 UTC**

03041 00001 00000 10140

**16147/14947/14447 kHz, 29-04, 1500/1520/1540 UTC**

03633 00001 00000 10140

**17462/16114/14828 kHz, 29-04, 1900/1920/1940 UTC**

05923 00001 00000 10140



## POL-FSK (F11)

### **9339 kHz, 04-04/06-04, 0845/0850 UTC**

0353 0353 0353 0353 0353  
88888 88888 06798 23655 13124 77083 66705 17771 23403 11801  
56058 98443 77412 20099 38310 95426 06178 63316 12847 05130  
88286 93360 21479 85815 61331 78720 39503 51403 23071 21183  
44223 65869 56700 23552 83440 79589 83373 81504 89241 49193  
88888 88888  
00042 00042

### **11092 kHz, 08-04, 0815/0820 UTC**

0446 0446 0446 0446 0446  
88888 88888 15540 07809 42719 67680 03626 47444 97667 40240  
13030 43257 14704 41981 47943 76614 22027 91897 82930 26413  
15789 32713 42760 05485 82046 72922 48328 25647 54219 70890  
92121 65762 88888 88888  
00034 00034

### **6906 kHz, 11-04/14-04, 0800/0805 UTC**

0434 0434 0434 0434 0434  
88888 88888 34453 25097 52989 64538 47310 67037 05727 07653  
56741 24290 23591 50369 37724 57776 97051 53386 02600 68442  
08199 86555 41564 03948 96912 89828 38969 98837 50416 89611  
87435 18069 88888 88888  
00034 00034

### **16005 kHz, 15-04, 0530/0535 UTC**

0453 0453 0453 0453 0453  
88888 88888 19361 15574 90447 22534 13529 55822 33591 13066  
73263 96993 47739 89089 36822 16517 74057 37734 54529 75299  
18746 08824 19312 65997 51742 08515 89221 61107 80194 76571  
72802 15179 45493 06674 67911 51691 22547 08941 26674 29543  
38303 72481 88888 88888  
0044 00044

### **9079 kHz, 19-04/20-04, 1150/1155 UTC**

0325 0325 0325 0325 0325  
88888 88888 87890 62027 46747 20488 60497 78626 95157 17323  
97428 61526 63803 14534 26958 11782 14390 90238 17472 76277  
00235 53065 47643 39034 39004 54591 87699 94324 32107 52362  
12230 28233 88888 88888  
00034 00034

### **10728 kHz, 26-04/28-04, 0630/0635 UTC**

0574 0574 0574 0574 0574  
88888 88888 96622 07137 88101 46019 68753 49538 63798 71968  
64439 71079 44733 47201 64310 87815 81717 85944 50859 85985  
29940 43563 86968 02508 70892 44356 31640 89309 97597 48405  
52163 02844 79222 04684 88888 88888  
00036 00036

**7371 kHz, 26-04/29-04, 0900/0905 UTC**

0554 0554 0554 0554 0554  
88888 88888 61609 44276 20059 20190 21368 68660 25758 51029  
81158 91956 84453 84333 16802 91002 70168 54037 39823 40781  
52885 90801 04794 52705 71127 01243 58862 90609 62119 36885  
03476 91603 70974 76242 02232 98886 62503 58308 35689 39093  
93716 69568 88888 88888  
00044 00044

**10246 kHz, 29-04, 0655/0700 UTC**

0684 0684 0684 0684 0684  
88888 88888 09996 06934 64783 90402 33143 54326 99115 50159  
94587 35476 31386 74598 65280 20394 51095 52986 46761 40961  
67929 75688 60323 07899 26432 36512 94410 09749 71923 50086  
20099 43261 88888 88888 00034 00034



*Czech diplomatic stations*

11475 kHz, 27-4, 0635 UTC Czech embassy Moscow clg ZPRAGA07 using Pactor 1/200/200 USB. Message was sent in Pactor-3



*North Korean diplomatic stations*

14530 kHz, 6-4, 0700 UTC. North Korean Diplo. Mode: DPRK-ARQ 600/600



*Egyptian diplomatic stations*

*Modes: SITOR-A 100/170 & Codan-9001*

14620 kHz, 6-4, 0715 UTC, Sitor-A 170/100

14622 kHz, 6-4, 2056 UTC, Codan Chirp & 16 tone data

17415 kHz, 13-4, 1342 UTC, Codan-16

MFA Cairo clg XBVF: Egyptian embassy Madrid

MFA Cairo msg to Egyptian embassy Kinshasa

MFA Cairo



## Chinese Military

Mode: 4+4 75/1000 LSB

### **16456 kHz, 03-04, 0942 UTC**

V

GQKZ GQKZ GQKZ DE YUCZ YUCZ YUCZ

GQKZ GQKZ GQKZ DE YUCZ YUCZ YUCZ

GQKZ GQKZ GQKZ DE YUCZ YUCZ YUCZ

XYXYXYXYXYXY HR MSG GA

0086 91 18 0403 1743

7524--2687

2032 9485 0570 9023 3143 0324 4042 6387 0296 0038

2689 1579 4670 6887 2183 0654 7865 2605 1723 6118

2167 5762 7965 5902 7192 6497 7915 9528 5196 3879

8456 0713 0153 4178 5824 3086 9519 2670 2930 3109

3687 8156 5953 6231 0594 8529 6258 1937 3689 2408

3208 7542 9423 3594 4239 3948 3017 0154 7140 0728

0754 2427 6709 0648 6740 4571 5412 1389 4393 3645

4851 1327 1346 1034 0964 5821 6021 2964 6737 9208

0861 8326 0851 0636 9081 7362 7950 8932 3769 7482

5870

QSL ?

0)4

### **11464 kHz, 21-04, 0905 UTC**

Notes: Conditions were not so good, hence the partly garbled text

SC249 is the group count, 0421 is the date, 1530 is Beijing time

Lots of voice ops chat between the 4+4 traffic. The message was repeated several times

SC249 24 0421 1530

6194 9701 9219 0866 9658 2914 1703 1735 7415

8522 2465 5514 5980 0485 2512 6326 6080 9472

7763 3559 7333 6624 0885 7536 3269

2729 9266 704YEPE RYTO WWWWR Q063 9020 9496

9535 5988 8558 7878 1000 0213 0062 4255 5051 6108

0247 2510 6544 7173 3103 3508 8959 1228 0645 1549

9187 4641 41:1 6896 T155 0032 3077 9446 5538

6120 1212 8063 1358 4796 2078 7585 6309 7002 7925

2667 5188 8293 4492 5696 9543 0633 1810 5190 0835

7481 1529 7890 0235 9160 5279 6380 6834 3742 1465-1

4791 3406 3524 5961 5801 7468 3702 7320 8195 8692

0865 1580 8739 3596 2453 9234 6410 0768 2741 9712

6037 0891 1974 8640 2576 2581 5693 2397 4205 1348

6297 5678 8741 5690 3461 1394 0134 2037 5842 8905

6318 5980 6709 4570 347Y QETW WROT RWE1 0681

8642 0942 1235 43\*= 92078 6815 0493 6719 1275

4796 7520 1948 6594 8340 1582 3167 6203

6307 2850 7504 3568 1592#067321 849 4193

8651 4795 3568 8914 4EPY UWRY EWPI Q390 8150

7506 3742 1023 4568 2445 9678 8601 9128 7153 3094-2

1599 2249 8790 2051 2062 1739 4357 4179 5688 7850

5926 9520 0132 4597 4780 4617 2417 8134 9568 6380

6634 8831 5Q0 7109 2870 3151 6990 4351 3608

5610 8706 3523 5149 8539 9929 0150 4428 5893 2393

7295 7308 4956 4369 1340 4102 2065 1683 7298





## Indian diplomatic stations

18407 kHz, 02-04, 0905 UTC:

8WD14: MFA New Delhi clg 8WH23: unid embassy

## UTILITY ROUND-UP



### Unid stations

**6659 kHz, 07-04, 1203 UTC, copied by JPL**

Machine generator. Chirpy/garbled/drifted signal

VVV XIH (x6) DE (x2) KV3 (x2)

**8140 kHz, 12-04, 1054 UTC, i.p. Sends // instead of = copied by JPL**

352

323 323 31 31 //

90125 16269 72325 63399 37715 69303 22356 75942 78176 63135

869 Into carrier

352 352

74152 95852 84215 73046 84606 46192 53170 90876 44060

// 323 323 31 31

00000 (Sent all together and very quickly)

352 (repeated) Into carrier briefly, then ends

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Wolfgang, André, JPL and Tom.



*RMv/RNv/RNAv/RAv*

### Russian military stations

Frequency: various Mode: USB / voice

RMv – Russian Military

6990 kHz, 18-04, 0910 UTC	GORKA-94 clg SOUK-56
3548 kHz, 19-04, 0518 UTC	PACTOL-78 clg VASAM-18
4970 kHz, 19-04, 1514 UTC	BALTA-49 clg outstations
4966 kHz, 20-04, 1730 UTC	KAPOT-37 clg GROUP-63
4980 kHz, 20-04, 0857 UTC	MARTA-47 Clg DENAWA-49
5833 kHz, 20-04, 0858 UTC	9704 clg PODOROK-40
4250 kHz, 22-04, 1630 UTC	GORKO-54 Clg outstations
6226 kHz, 23-04, 0711 UTC	ARMADA-22 clg outstations
4404 kHz, 23-04, 1541 UTC	KLAK-71 clg outstations
12737 kHz, 27-04, 0904 UTC	VASHRAM clg outstations
6015 kHz, 30-04, 0501 UTC	ODEMAR-63 clg outstations
6296.5 kHz, 29-04, 0715 UTC	GRADIT-83 clg VOGAM-46, PARIS-91, BAROK-37

3765 kHz, 22-04, 0557 UTC VESTNIK (RMP) clg BRUSNIKA (RHM81)  
 8267 kHz, 20-04, 1603 UTC BUKSOL clg Outstations  
 5232 kHz, 25-04, 1215 UTC PRENIKO (RJQ71) clg VESTNIK (RMP)  
 6176 kHz, 25-06, 1907 UTC VESTNIK (RMP) clg STROGHI (RJC30)  
 4465 kHz, 29-04, 0835 UTC RADIASAT (RIQ97) clg VESTNIK (RMP)



## M32

### Russian / CIS Military CW Stations

5263 kHz, 04-04, 1709 UTC	XXX XXX 9N8A 7512 1955 7512 1955 K
7853 kHz, 04-04, 0953 UTC	XXX XXX WEGI WEGI 82800 45161 UKAZOTIST 6141 4253
7853 kHz, 04-04, 0953 UTC	XXX XXX WEGI WEGI 28350 VEZLOFLOT 8719 7156
7853 kHz, 04-04, 0953 UTC	XXX XXX WLHN WLHN 77679 73971 63805 UVOBAL 1457 6522
7853 kHz, 04-04, 0953 UTC	XXX XXX WEGI WEGI 84519 80037 01458 TRUDOCHTYK 5991 7161
7853 kHz, 04-04, 0953 UTC	XXX XXX G5CX G5CX F2ET F2ET 57532 14471 GRANOSIP 8202 7479
3598 kHz, 11-04, 1540 UTC	XXX XXX WEOA WEOA 82952 IWANOWSKIJ 70371080 K
4059.5 kHz, 14-04, 1000 UTC	XXX XWPR 32605 KENTUKKI 7519 K
3829 kHz, 14-04, 1650 UTC	XXX WEGI 81020 ULOWODER 3028 3195 K
3829 kHz, 14-04, 1735 UTC	XXX WEGI 74770 ZAPOROVSKIJ 2630 8030 K
3348 kHz, 14-04, 1735 UTC	XXX WEGI 74770 ZAPOROVSKIJ 2630 8030 K
5240 kHz, 18-04, 1608 UTC	XXX VUOZ 02359 BAROSER 6468 0733 K
5514 kHz, 18-04, 1655 UTC	XXX GXYI 77610 BAKOMÛLLX 0286 9122 K
4591 kHz, 18-04, 1703 UTC	XXX C1OB 58237 SNOSOZONT 6798 4050 K
4189 kHz, 25-04, 1713 UTC	XXX ZPMK 70292 POVATXE 0391 5981 K
4189 kHz, 25-04, 1725 UTC	XXX ZPMK 36498 SAJTOSKOP 0101 2823 K
4189 kHz, 25-04, 1735 UTC	XXX ZPMK 80195 PRIWRATNICA 2502 4238 K
4189 kHz, 25-04, 1745 UTC	XXX ZPMK 09335 POSUDA 1471 3265 K
4189 kHz, 25-04, 1751 UTC	XXX ZPMK 65266 LIFTOKUCH 1890 0006 K
5432 kHz, 29-04, 0939 UTC	XXX C1OB 78601 UDOBNYJ 0764 7450 K

#### 4189 kHz, 24-04, 0304 UTC

OIB3 = 842 28 24 0556 842 =  
 ZFY 611 K  
 ZPMK QTC AR  
 ZPMK 193 28 24 0653 193 =  
 ZTP 610 199 645585 386070 645 786 767877 =  
 24060 32831 91460 83105 10014 885XX 913XX 24060 53656 82460  
 73005 10002 88010 913XX 24060 20344 36463004 005XX 916XX 24021 K

#### RGT77, 6771//8529 kHz

18-04, 1530 UTC	XXX WEGI 70498 FUKSOWERH 6511 8140 K
18-04, 1537 UTC	XXX WEGI 65127 DAMPOTYN 3713 2956
18-04, 1539 UTC	XXX WLHN 77716 83125 S6254 GACHICH 5326 7776 K XXX WLHN 47304 98755 82059 BLATNOJ 0023 8438 K XXXX G5CX F2ET 58022 60081 SITAR 8966 2421 K
18-04, 1545 UTC	XXXX WLHN 47304 99974 82 BLATNOJ 002
21-04, 0923 UTC	XXX WEGI 16274 KOVEWNIK 8417 9778 K
21-04, 0928 UTC	XXX WEGI 92650 INWERTOR 7449 4465 K
21-04, 0935 UTC	XXX WEGI 40664 TAZOMIRT 1704 9602 K
21-04, 0940 UTC	XXX G5CX F2ET 37733 73975 REWOBAL 1588 2005 K
21-04, 1051 UTC	XXX WEGI 45128 84602 OÏAGOPORT 8139 0905 K
21-04, 1116 UTC	XXX WEGI 72126 SNOPOMRAC 4903 5271 K

**5263 kHz, 05-04, 1820 UTC**

9N8E DE 7RTN

XXX XXX 9N8E 9N 681 039 877 039 764 039 697 166 165 681 039 877 681 165 091 863 560 832 966 147 K

RPT K RPT K

7RTN DE 9N8E RPT K

R XXX ? K

7RTN DE 9N8E RPT K

9N8E DE 7RTN QSA ? K

7RTN DE 9N8E QSA 1 K

7RTN DE 9N8E RPT

XXX K

**5397 kHz, 06-04, 1454 UTC**

DE JSKA K

JSKA DE BIIB K

JSKA QSA ? K

JSKA QSA ? K

JSKA QSA ? K

BIIB DE JSKA K

**RMW-network**

Who owns this net? It is always logged as a Russian Military net. It is however not sure if that is really the case. The net was discussed on UDXF but it still is a mystery who really runs it. Further info is much appreciated.

The net has daily contact with several outstations and monthly with even more stations. Below a rundown of the network compiled by André and Tony.

NET 1 - RMW32 (daily contact)

Outstations RABZ, RMW34, RMW36, RMW44, RMW46

NET 1a - RMW32 (monthly contact)

Outstations RAW86, RDQ81, RFH39, RFH40, RFH41, RFH42, RFH43, RFH44, RFH45, RFH46, RFH47, RFH49, RFN31, RFN67, RFN68, RFN73, RFN74, RFN76, RGF80, RGH66, RGR49, RGR87, RGR88, RGR89, RGR90, RGR91, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RGR98, RGT49, RJF72, RKL91, RKP55, RKP57, RKP60, RKP61, RKP63, RKP65

NET 2 - RMW44 (daily contact)

Collective callsign: RGS5

Outstations RFN32, RFN67, RFN72, RFN73, RFN74, RFN76, RN77

NET 3 - RMW46 (daily contact)

Outstations RDQ81, RFH46, RGR49, RGR87, RGR88, RGR89, RGR90, RGR91, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RGR98

NET 4 - RMW56 (daily contact)

Collective callsign: RMD99

Outstations RGT36, RGT48, RGT49, RJV63

**Logs:**

6956 kHz, 20-04, 0500 UTC RMW46 wkg RGT49, RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98

7160 kHz, 20-04, 0500 UTC RMW32 wkg RGT49, RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98, RFN68, RFN73, RFN31, RFN76, RFN74, RFN67

5830 kHz, 20-04, 0802 UTC RMW32 sends XXX LR43 95899 RAWNINA 0612 7655 540 K  
Responding stations: RMW34, RMW36, RMW44, RMW46, RKL91

3750 kHz, 27-04, 0315 UTC RMW46: XXX RGR99 EZP 0909 0909 K

3750 kHz, 27-04, 0324 UTC RMW46: XXX RGR99 GROZA 4545 6969 K

3750 kHz, 27-04, 0331 UTC RMW46: XXX RGR99 BEG 0011 0022 K



*M32a*  
*Russian Navy*  
*Voyenno-Morskoy Flot Rossii*

6458 kHz, 01-04, 0451 UTC XXX RLO ÉLASTIÛNYJ 01 1282 0735 K  
11155 kHz, 25-04, 1711 UTC XXX RLO 70292 POVATXE 0391 5981 K //5343  
11155 kHz, 25-04, 1721 UTC XXX RLO 36498 SAJTOSKOP 0101 2823 K //5343  
11155 kHz, 25-04, 1731 UTC XXX RLO 80195 PRIWRATNICA 2502 4238 K //5343  
5343 kHz, 25-04, 1740 UTC XXX RLO 09335 POSUDA 1471 3265 K  
5343 kHz, 25-04, 1750 UTC XXX RLO 65266 LIFTOKUCh 1890 0006 K  
14556 kHz, 27-04, 1225 UTC XXX RIW OKWIR 84848 30174 01525 002229Ô3343 03505 00142 01527 K  
14556 kHz, 27-04, 1811 UTC XXX RIW OKWIR 84848 30174 01258 00111 14806 32418 03010 00777 11304 K  
6449 kHz, 29-04, 0800 UTC XXX RLO 77777 62603 69143 43757 01100 00111 06937 03224 00431 01101 K  
4785 kHz, 390-04, 0630 UTC ARLADNIK (RME81) clg VESTNIK (RMP)

**12464 kHz, 02-04, 0703 UTC**

RIT de RHO62 QTC 231 37 2 0958 231 = FOR RJH45 RHH74 RJD38 =  
KKXX 02046 0600/ 73547 0112 88881 20000 31593 43675 20050  
31591 43676 20100 31570 43675 20150 31561 43675 20165 31557  
43673 20200 31491 43655 20220 31431 43637 20250 31400 43638  
20508 31187 43615 02033 = AR RHO62 K

**12464 kHz, 02-04, 1300 UTC**

RIT de RHO62 QTC 231 37 2 0958 231 = FOR RJH45 RHH74 RJD38 =  
KKHH 02046 1200/ 73646 01035 88881 20000 31529 43654 20020  
31514 43652 20052 31050 43656 20060 31515 43662 20100 31498  
43655 20101 31491 43651 20117 31473 43650 20162 31447 43644  
20200 31381 43835 20400 31193 43613 20530 31164 43621 02039 =  
AR RHO62 K

**6994 kHz, 24-04, 1813 UTC**

RIT de RJP99 QTC 662 20 24 2106 663 = FOR RJH74 RJH45 = 24181 99695 10382 41596 73107 10002 40114 53014 72222 875//  
22231 00035 20302 132// 40424 88000 80000 24017 = AR RJP99 K. Location: near Murmansk

**6994 kHz, 25-04, 0828 UTC**

RIT de RJP99 QTC 551 45 25 1125 551 = FOR RJH74 RJH45 = KKXX 25046 0800/ 16930 03330 88872 20000 30328 43349 20010  
30294 43345 20020 30302 43355 20030 30314 43363 20050 30329 43371 20075 30322 43370 20100 30329 43373 20150 30326  
43371 20200 30319 43371 20250 30305 43370 20200 30304 43370 00000 55555 10174 25042 = AR RJP99 K

**6994 kHz, 25-04, 1548 UTC**

RIT de RGL93 QTC 188 10 25 1830 188 = 83548 37448 14025 64736 03425 93742 31808 28503 68403 54367 K



**10796 kHz, 06-04, 1050 UTC, i.p.**

RAA SK  
 RJD71 SK  
 RJH57 DE RAA K  
 RJH57 K  
 RAA QYT 9 SK K  
 RJH57 OK QYT 9 SK  
 RAA R K  
 RJH57 DE RAA K  
 RAA DE RJH57 K  
 RAA QYT 4 QWH 11703 9700 QSX 12752 9607 K  
 RJH57 OK QYT 4 QWH 11703 9700 QSX 12752 9607 K  
 RAA R K

**5343 kHz, 21-04, 1508 UTC**

RIT : Russian Navy Severomorsk wkg RHM80, RJC30

**4940.5 kHz, 21-04, 1646 UTC**

RIQ88 wkg RAI62, RAI63

**5030.5 kHz, 21-04, 1808 UTC**

RJD69 wkg RJI52, RJP34

**4521 kHz, 22-04, 0524 UTC**

RMP Russian Navy Kaliningrad wkg RIQ97

**7138 kHz, 22-04, 0532 UTC**

RMP Russian Navy Kaliningrad wkg RHM81

**14540 kHz, 23-04, 0629 UTC**

RAA: Russian Navy Moscow wkg RJS, RCC, RJE67

**12464 kHz, 22-04, 1807 UTC**

RHM80 Russian Navy wkg RIT: SML FOR RJH74 RJH45  
 Location see map on the left



*M32b*  
*Russian Naval Aviation*  
*Aviatsiya Voennno-morskogo Flota Rossii*

**8816 kHz, 04-04**

0709 UTC RJF94 RJC38 DE 08105 QTO 0705 QRD XLAA XLMV QRE 0825 QBD 14800 K  
 0805Z QTH 6528 4014 QTR 0802 QBG 4000 K 0822Z QQM XLAA 0821 SK  
 1009 UTC RJF94 RJC38 DE 08105 QTO 1000 QED XLAM XLAA QRE 1125 QBD 17000 K  
 QTH 6652 4827 QTR 1100 QBG 6300 K  
 1336 UTC RJF94 RJC38 DE 08105 QTO 1330 QRD XLAA XLAM QRE 1455 QBD 13000 K  
 QTH 6519 4241 QTR 1430 QBG 5700 K - QQM XLAA 1452 SK  
 1607 UTC RJF94 RJC38 DE 08105 QTO 1600 QRD XLMV XLAA QRE 1720 QBD 9000 K  
 QAY XLMO 1705 QBG 6100 K  
 QQM XLMV 1726 SK

**8816 kHz, 29-04**

1050 UTC RJF94 RJC38 DE 08395 QTO 1042 QRD XLAM XLAA QRE 1215 QBD 18000 K  
 QQL ULAV 1134 QBG 3800 K QRE  
 XLAM 1210 K  
 QQM XLAM 1212 SK  
 1459 UTC RJF94 RJC38 DE 08395 QTO 1448 QRD XLDR XLAM QRE 1550 QBD 11000 K

1731 UTC QQM XLDR 1552 SK  
RJF94 RJC38 DE 08395 QTO 1725 QRD XLMV XLDR QRE 1910 QBD 15000 K  
QTH 7044 4000 QTR 1824 QBG 6700 QRE XLMV 1920 K  
QQM XLMV 1925 SK

**8816 kHz, 30-04**

0801 UTC RJF94 RJC38 DE 71574 QTO 0750 QRD XLAA XLMV QBD 5000 QRE 0920 K  
QTH 6607 3913 QTR 0845 QRE XLAA 0915 K  
QQM XLAA 0917 SK

1038 UTC RJF94 RJC38 DE 71574 QTO 1030 QRD XUMU XLAA QBD 5000 QRE 1033 K  
QTH 6040 3835 QTR 1135 QBG 5500 K  
QTH 5706 3742 QTR 1230 QRE XUMU 1205 K

1458 UTC RJF94 RJC38 DE 71574 QTO 1445 QRD XLMV XUMU QBD 5200 QRE 1840 K  
QTH 6001 3745 QTR 1600 QBG 5500 K  
QTH 6351 3519 QTR 1700 QBD 3000 K  
QTH 6631 3328 QTR 1740 QRE XLMO\* 1810 K  
QQM XLMO 1810 SK 3

\* seems he changed his destination.

**RAL2-network. Simplex net**

RAL2 net stations: RAL2, RIB2, RBL66, RBL71, RBL75, RDU2, RFH2, RGH2, RHQ2, RHW2, RIB2, RKA2, RLO2, RMW2

13975 kHz, 18-04, 1301 UTC	RAL2 wkg RDU2, RFH2, RHW2, RBL71
4971 kHz, 18-04, 1600 UTC	RAL2 wkg RGH2, RMW2, RHQ2, RBL66
4971 kHz, 19-04, 0501 UTC	RAL2 wkg RKA2, RLO2, RBL75
10263 kHz, 19-04, 0858 UTC	RAL2 wkg RGH2, RMW2, RHQ2, RBL66
13975 kHz, 19-04 0905 UTC	RAL2 wkg RDU2, RFH2, RHW2, RBL71
4971 kHz, 19-04, 1309 UTC	RAL2 wkg RKA2, RLO2, RBL75
4971 kHz, 19-04, 1601 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
4971 kHz, 20-04, 0501 UTC	RAL2 wkg RKA2, RLO2, RBL75
13975 kHz, 20-04, 0909 UTC	RAL2 wkg RDU2, RFH2, RHW2, RBL71
4971 kHz, 20-04, 1601 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
4971 kHz, 21-04, 0459 UTC	RAL2 wkg RKA2, RLO2, RBL75
4971 kHz, 21-04, 0902 UTC	RAL2 wkg RKA2, RLO2, RBL75
10263 kHz, 21-04, 0907 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
4971 kHz, 21-04, 1301 UTC	RAL2 wkg RKA2, RLO2, RBL75
10263 kHz, 21-04, 1305 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
13975 kHz, 21-04, 0905 UTC	RAL2 wkg RFH2, RDU2, RHW2, RBL71
13975 kHz, 21-04, 1303 UTC	RAL2 wkg RFH2, RDU2, RHW2, RBL71
4971 kHz, 22-04, 0458 UTC	RAL2 wkg RKA2, RLO2, RBL75
10263 kHz, 22-04, 0500 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
13975 kHz, 22-04, 0503 UTC	RAL2 wkg RFH2, RDU2, RHW2, RBL71
4971 kHz, 22-04, 0900 UTC	RAL2 wkg RKA2, RLO2, RBL75
10263 kHz, 22-04, 0902 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
13975 kHz, 22-04, 0905 UTC	RAL2 wkg RFH2, RDU2, RHW2, RBL71
4971 kHz, 22-04, 1620 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66
4051 kHz, 22-04, 1737 UTC	RAL2 wkg RKA2, RLO2, RBL75
4971 kHz, 23-04, 0659 UTC	RAL2 wkg RKA2, RLO2, RBL75
13975 kHz, 23-04, 0701 UTC	RAL2 wkg RFH2, RDU2, RHW2, RBL71
10263 kHz, 23-04, 0703 UTC	RAL2 wkg RIB2, RGH2, RMW2, RHQ2, RBL66



**M32c**  
**Russian Air Force**  
**Voyenno-vozdushnyye sily Rossii**

9495 kHz, 18-04, 1542 UTC REA4: XXX 1QRF 42260 RAMOBARK 7173 9451 K



**JCS FOXTROT MESSAGES &  
EMERGENCY ACTION MESSAGES**

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

02-04, 0529 UTC	Clean Cut	30 chr EAM RAR2CF XUZ4PN5IKGQGNPPIM6TXNQFB
02-04, 1605 UTC	Clean Cut	30 chr EAM for Pinza HCXRTQ FJ3YSN3IOVPWEUGWA7S4MJ7ZO
02-04, 1614 UTC	Clean Cut	30 chr EAM RASYQD ULNSABYNYQ2NL7PDZYUT6HX6
02-04, 1620 UTC	Clean Cut	30 chr EAM RAKQY7 SDLXNHBLKAYOVXCUIPADIZ7L
02-04, 1635 UTC	Clean Cut	30 chr EAM for Eagle HCCDN6 ONDUXQMCRN3ACTWRLOI7Q5TB
02-04, 2037 UTC	Dice Game	30 chr EAM RAOAMO RBSUWMG7JQYN5R3WICXPHECU
02-04, 2136 UTC	Dice Game	30 chr EAM RAQCTG JWKOTAPXFAINGDZWETKEIZMG
02-04, 2146 UTC	Dice Game	30 chr EAM RAAJF6 K7Q6VSHFSUZLSBM6CREGIUG5
02-04, 2150 UTC	Dice Game	30 chr EAM RAEUTH WIHVSİK3YP66AMLJIWOX4S7U
03-04, 1735 UTC	Miliner	30 chr EAM for Edna HCQF47 LKWBXMOUPBL5ECHIHRSK76ZC
03-04, 1823 UTC	Miliner	30 chr EAM for Royalty HC3YJS 7FZAAJBBR3RPDMYOF2RCCE6D
03-04, 2040 UTC	Milener	30 chr EAM RACAP4 3BLUAA54W6XYL3XFB3XTM5VB
03-04, 2107 UTC	Miliner	30 chr EAM RAY2HN T5VAPHNIHPAJPKKVIV724RNJ
04-04, 0502 UTC	Birdtrap	Skyking Big Guard time 02 auth MQ
04-04, 0538 UTC	Birdtrap	EAM i.p. AYZUUZ7VNOOHL4QX
04-04, 0540 UTC	Birdtrap	Skyking Roaming time 40 auth OS
04-04, 0641 UTC	Birdtrap	30 chr EAM RAXV43 24YIPR27Q67MXH6NX3GAL54F
04-04, 1608 UTC	Birdtrap	30 chr EAM RAOJBW PXL2X5FUBINQPDJD55KKOD4G
04-04, 1633 UTC	Birdtrap	30 chr EAM for Cason HCME6K 6KIPOL5KGD63WGCLN5BUUCKW
04-04, 1647 UTC	Birdtrap	30 chr EAM for Cason HCTL2B 7TPNFDUTU27TGIQYD7QNCGEC

**LOGS SECTION**

code	date	UTC	day	freq	details	mode	ctrb
---	7-4	1203	Thu	6659	VVV XIH (x6) DE (x2) KV3 (x2)	CW	(JPL-Sib)
---	12-4	1054	Tue	8140	i.p. 352 323 323 31 31 // 90125 16269 72325 63399 37715 69303 22356 75942 78176 63135 869 352 352 74152 95852 84215 ...	CW	(JPL-Sib)
---	15-4	1700	Fri	8821	Marker S for 5 mins	CW	(AB)
CHN	3-4	0942	Sun	16456	GQKZ GQKZ GQKZ DE YUCZ YUCZ YUCZ XYXYXYXYXYXY HR MSG GA 0086 91 18 0403 1743 7524---2687 2032 9485 0570 9023 ...	4+4 75/1000 LSB	(EW)
CHN	21-4	0905	Thu	11464	Messages and ops chat	4+4 QPSK 75/3000 LSB	(JPL-HK)
CZE	27-4	0635	Wed	11475	Czech embassy Moscow clg ZPRAGA07 over into Pactor III traffic	Pactor 1/200/200 USB	(PPA)
DPRK	6-4	0700	Wed	14530	North Korean Diplo	DPRK-ARQ 600/600	(AAI)
E06	7-4	2030	Thu	5186	891 317 60 37839	USB	(HFD)

E06	7-4	2030	Thu	5186	891 317 60 37839 35787 98273 ... 34344 45454 34344 317 60 00000.	USB	(AB)
E06	8-4	2129	Fri	5197	634 391 60 56327 21940 73218 ... 47309 94872 47426 391 60 00000	USB	(PW2)
E06	21-4	0600	Thu	17470	951 weak	USB	(HFD)
E06	21-4	2030	Thu	5186	891 317 60 37839 35787 98273 ... 34344 45454 34344 317 60 00000	USB	(AB)
E06	22-4	0500	Fri	15650	951 247 103 20297 35180 72041 ... 65842 17900 06992 247 103 00000	USB	(AB-FNL)
E06	22-4	2100	Fri	5195	634 019 43 70024 87741 02068 ... 31782 11607 02817 019 43 00000	USB	(AB)
E06	22-4	2140	Fri	5197	634 019 43 70024 87741 02068 ... 31782 11607 02817 019 019 43 43 00000	USB	(PW2)
E06a	12-4	0851	Tue	9463	GRU test. E06a format: 801 801 801 84356	LSB	(F5JBR)
E06a	12-4	0857	Tue	9463	GRU test. E06a format: 801 801 801 26325 00000	LSB	(F5JBR)
E06a	27-4	1530	Wed	9048	158 396 2 11111 00079 396 2 158 037 62 76273 44478 75835 ... 81946 57614 38983 037 62 00000	USB	(PW2)
E07	3-4	0600	Sun	9064	024 024 024 000	USB	(AB/VH)
E07	3-4	0620	Sun	10264	024 024 024 000	USB	(AB/VH)
E07	3-4	1700	Sun	14603	641 641 641 000	AM	(AB)
E07	3-4	1720	Sun	13403	641 641 641 000	AM	(AB/MPJ/HFD)
E07	4-4	1740	Mon	9208	172 1 _51 71 76289 31931 22 ... 61961 422_7 ...	AM	(MPJ)
E07	6-4	1700	Wed	14603	641 641 641 000	AM	(AB)
E07	6-4	1720	Wed	13403	641 641 641 000	AM	(AB)
E07	6-4	1900	Wed	12108	172 1 651 71 76269 31931 22267 ... 17211 10679 08134 000 000	AM	(AB)
E07	6-4	1900	Wed	12108	172 1 651 71 76269	AM	(HFD)
E07	6-4	1920	Wed	10708	172 1 651 71 76269 31931 22267 ... 17211 10679 08134 000 000	AM	(AB/HFD)
E07	6-4	1940	Wed	9208	172 1 651 71 76269 31931 22267 ... 17211 10679 08134 000 000	AM	(AB/HFD)
E07	7-4	0430	Thu	6788	741 741 741 000	USB	(AB)
E07	7-4	0450	Thu	7488	741 741 741 000	USB	(AB/HFD)
E07	9-4	0600	Sat	9064	024 024 024 000	USB	(AB)
E07	9-4	0620	Sat	10264	024 024 024 000	USB	(AB)
E07	11-4	1900	Mon	12108	172 172 172 000	AM	(AB)
E07	11-4	1920	Mon	10708	172 172 172 000	AM	(AB)
E07	13-4	1700	Wed	14603	461 461 461 000	AM	(AB/MPJ)
E07	13-4	1720	Wed	13403	461 461 461 000	AM	(AB/MPJ)
E07	13-4	1900	Wed	12108	172 172 172 000	AM	(AB/MPJ)
E07	13-4	1920	Wed	10708	172 172 172 000	AM	(AB/MPJ)
E07	16-4	0600	Sat	9064	024 1 973 95 68803	AM	(HFD)
E07	16-4	0620	Sat	9064	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
E07	16-4	0620	Sat	10264	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB/HFD)
E07	16-4	0640	Sat	11464	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB/HFD)
E07	17-4	0600	Sun	9064	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
E07	17-4	0620	Sun	10264	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
E07	17-4	0640	Sun	11464	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
E07	17-4	1700	Sun	14603	641 641 641 000	AM	(AB)
E07	17-4	1720	Sun	13403	641 641 641 000	AM	(AB)
E07	20-4	1700	Wed	14603	641 641 641 000	AM	(AB)
E07	20-4	1720	Wed	13403	641 641 641 000	AM	(AB)
E07	20-4	1900	Wed	12108	172 172 172 000	AM	(AB/MPJ)
E07	20-4	1920	Wed	10708	172 172 172 000	AM	(AB/MPJ)
E07	21-4	2010	Thu	9387	358 358 358 000	AM	(AB/HFD)
E07	21-4	2030	Thu	7526	358 358 358 000	AM	(AB)
E07	22-4	1510	Fri	12174	102 102 102 000	USB	(AB/MPJ)



<b>E07</b>	22-4	1530	Fri	11074	102 102 102 000	USB	(AB/GHn/M PJ)
<b>E07</b>	23-4	0600	Sat	9064	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
<b>E07</b>	23-4	0620	Sat	10264	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
<b>E07</b>	23-4	0640	Sat	11464	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
<b>E07</b>	24-4	0600	Sun	9064	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
<b>E07</b>	24-4	0620	Sun	10264	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB)
<b>E07</b>	24-4	0640	Sun	11464	024 1 973 95 68803 76201 42520 ... 47107 60589 16559 000 000	USB	(AB/PPA)
<b>E07</b>	24-4	1700	Sun	14603	641 641 641 000	AM	(AB/MPJ)
<b>E07</b>	24-4	1720	Sun	13403	641 641 641 000	AM	(AB/MPJ)
<b>E07</b>	25-4	1940	Mon	9208	172 1 9323_ 59 39896 97869 30874 77021 13307 ... 01434 49288 19875 49753 49727 000 000	AM	(MPJ)
<b>E07</b>	25-4	1940	Mon	9208	172 1 9323 59 39896 97869 38074 ... 19875 49753 49727 000 000	AM	(PW2)
<b>E07</b>	27-4	1700	Wed	14603	641 641 641 000	AM	(BvR)
<b>E07</b>	27-4	1720	Wed	13403	641 641 641 000	AM	(MPJ/BvR)
<b>E07</b>	27-4	1900	Wed	12108	172 1 9323 59 39896 97869 38074 77021 13607 ... 01434 49288 19875 49753 49723 000 000	AM	(MPJ)
<b>E07</b>	27-4	1920	Wed	10708	172 1 9323 59 39896 97869 38074 77021 13607 ... 01434 49288 19875 49753 49723 000 000	AM	(MPJ)
<b>E07</b>	27-4	1940	Wed	9208	172 1 9323 59 39896 97869 38074 77021 13607 ... 01434 49288 19875 49753 49723 000 000	AM	(MPJ)
<b>E07</b>	30-4	0600	Sat	9064	024 024 024	USB	(AB)
<b>E07</b>	30-4	0620	Sat	10264	024 024 024	USB	(AB)
<b>E07a</b>	1-4	1510	Fri	12174	102 102 102 000	USB	(AB)
<b>E07a</b>	1-4	1530	Fri	11074	102 102 102 000	USB	(AB)
<b>E07a</b>	2-4	0800	Sat	12218	244 244 244 000	USB	(AB)
<b>E07a</b>	2-4	0820	Sat	13418	244 244 244 000	USB	(AB)
<b>E07a</b>	6-4	2000	Wed	8144	197 197 197 000	USB	(AB/HFD)
<b>E07a</b>	6-4	2020	Wed	6944	197 197 197 000	USB	(AB/HFD)
<b>E07a</b>	8-4	1510	Fri	12174	102 102 102 000	USB	(AB/HFD)
<b>E07a</b>	8-4	1530	Fri	11074	102 102 102 000	USB	(AB/MPJ/HF D)
<b>E07a</b>	9-4	0800	Sat	12218	244 244 244 000	USB	(AB/HFD)
<b>E07a</b>	9-4	0820	Sat	13418	244 244 244 000	USB	(AB/HFD)
<b>E07a</b>	13-4	2000	Wed	8144	197 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB)
<b>E07a</b>	13-4	2020	Wed	6944	197 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB)
<b>E07a</b>	13-4	2040	Wed	5744	197 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB)
<b>E07a</b>	14-4	0430	Thu	6788	741 1 62410 7159 73 67182	USB	(HFD)
<b>E07a</b>	14-4	0430	Thu	6788	741 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB)
<b>E07a</b>	14-4	0450	Thu	7488	741 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB/HFD)
<b>E07a</b>	14-4	0510	Thu	8188	741 1 62410 7159 73 67182 17995 48066 ... 48069 44653 38233 000 000	USB	(AB/HFD)
<b>E07a</b>	15-4	1510	Fri	12174	102 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB/MPJ)
<b>E07a</b>	15-4	1530	Fri	11074	102 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB/MPJ)
<b>E07a</b>	15-4	1550	Fri	10274	102 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB/MPJ)
<b>E07a</b>	16-4	0800	Sat	12218	244 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB)
<b>E07a</b>	16-4	0820	Sat	13418	244 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB)

E07a	16-4	0840	Sat	14418	244 1 62016 1292 95 40502 55508 95593 ... 75954 12744 61195 000 000	USB	(AB)
E07a	20-4	2000	Wed	8144	197 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	20-4	2020	Wed	6944	197 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	20-4	2040	Wed	5744	197 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	21-4	0430	Thu	6788	741 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	21-4	0450	Thu	6455	741 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	21-4	0510	Thu	8188	741 1 33936 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	23-4	0800	Sat	12218	244 244 244 000	USB	(AB)
E07a	23-4	0820	Sat	13418	244 244 244 000	USB	(AB)
E07a	28-4	0430	Thu	6788	741 741 741 000	USB	(AB)
E07a	28-4	0450	Thu	7488	741 741 741 000	USB	(AB)
E07a	29-4	1510	Fri	12174	102 102 102 000	USB	(MPJ)
E07a	29-4	1530	Fri	11074	102 102 102 000	USB	(MPJ)
E07a	30-4	0800	Sat	12118	244 244 244 000	USB	(AB/F5JBR)
E07a	30-4	0820	Sat	13418	244 244 244 000	USB	(AB)
E11	1-4	0545	Fri	15915	348/00	USB	(AB)
E11	1-4	0710	Fri	10221	633/00	USB	(AB)
E11	1-4	0730	Fri	15825	353/35 Attention 25767 61206 45265 ... 09833 07766 77222 Attention, rpt msg, out	USB	(AB)
E11	1-4	2000	Fri	7377	576/00	USB	(MPJ)
E11	2-4	0710	Sat	14769	491/00	USB	(AB)
E11	2-4	1705	Sat	10213	392/00	USB	(AB/VH)
E11	2-4	2005	Sat	8186	363/00	USB	(AB)
E11	3-4	0805	Sun	11450	311/00	USB	(AB)
E11	3-4	1605	Sun	6397	232/00	USB	(AB/MPJ/P W2)
E11	3-4	1625	Sun	10448	972/00	USB	(AB/MPJ/P W2)
E11	3-4	2005	Sun	8186	363/00	USB	(AB)
E11	4-4	0745	Mon	10213	262/00	USB	(AB)
E11	4-4	0820	Mon	6923	438/00	USB	(AB)
E11	4-4	0830	Mon	10690	646/30 Attention ...	USB	(AB)
E11	5-4	0710	Tue	10221	633/00	USB	(PW2)
E11	5-4	1045	Tue	8102	576/00	USB	(AB/PW2)
E11	5-4	1205	Tue	9443	469/00	USB	(AB)
E11	5-4	1450	Tue	10641	441/00	USB	(AB)
E11	5-4	1605	Tue	6397	232/00	USB	(AB)
E11	5-4	1925	Tue	10620	551/00	USB	(MPJ)
E11	6-4	0805	Wed	11450	311/00	USB	(AB)
E11	6-4	0930	Wed	8803	270/00	USB	(AB/PW2)
E11	6-4	1205	Wed	9443	469/00	USB	(AB)
E11	6-4	1625	Wed	10448	972/00	USB	(GHn/AB)
E11	7-4	0820	Thu	6923	438/00	USB	(AB/PW2)
E11	7-4	0930	Thu	8803	270/00	USB	(AB)
E11	7-4	1530	Thu	10330	262/00	USB	(AB)
E11	7-4	1730	Thu	9371	416/00	USB	(AB)
E11	7-4	1925	Thu	10620	551/00	USB	(MPJ)
E11	8-4	0710	Fri	10221	633/00	USB	(AB)
E11	8-4	2000	Fri	7377	576/00	USB	(AB/MPJ)
E11	10-4	0730	Sun	15825	352/00	USB	(AB)
E11	10-4	0805	Sun	11450	311/00	USB	(AB)
E11	10-4	2005	Sun	8186	363/00	USB	(AB)
E11	11-4	0450	Mon	6304	416/36 Attention 55360 77723 28940 ... 38410 79733 16763 Attention, rpt msg, out	USB	(AB)
E11	11-4	0820	Mon	6923	438/30 Attention 34453 25097 52989 ... 89611 87435 18069 Attention, rpt msg, out	USB	(AB)
E11	11-4	0830	Mon	10690	649/00	USB	(AB)
E11	12-4	0645	Tue	10800	517/00	USB	(AB)

E11	12-4	0710	Tue	10221	633/00	USB	(AB/HFD)
E11	12-4	1045	Tue	8102	576/00	USB	(MPJ)
E11	12-4	1205	Tue	9443	469/00	USB	(MPJ/PW2)
E11	12-4	1450	Tue	10641	441/00	USB	(AB)
E11	12-4	1925	Tue	10620	551/00	USB	(AB/MPJ)
E11	13-4	0805	Wed	11450	311/00	USB	(AB)
E11	13-4	0900	Wed	9399	534/00	USB	(AB)
E11	13-4	0930	Wed	8803	270/00	USB	(AB)
E11	13-4	1205	Wed	9443	469/00	USB	(MPJ)
E11	13-4	1625	Wed	10448	972/00	USB	(AB/MPJ)
E11	14-4	0645	Thu	10800	517/00	USB	(AB)
E11	14-4	0745	Thu	14575	335/3? ...	USB	(AB)
E11	14-4	0820	Thu	6923	438/30 Attention 34453 25097 52989 ... 89611 87435 18069 Attention, rpt msg, out	USB	(AB)
E11	14-4	1450	Thu	10641	441/00	USB	(MPJ)
E11	14-4	1925	Thu	10620	551/00	USB	(MPJ)
E11	15-4	0710	Fri	10221	633/00	USB	(AB)
E11	15-4	0730	Fri	15825	352/00	USB	(AB)
E11	15-4	2000	Fri	7377	576/00	USB	(MPJ)
E11	16-4	1345	Sat	13046	911/00	USB	(AB/MPJ)
E11	16-4	1705	Sat	10213	392/00	USB	(AB/GHn)
E11	17-4	0730	Sun	15825	352/00	USB	(AB)
E11	17-4	0805	Sun	11450	311/00	USB	(AB)
E11	17-4	1625	Sun	10448	972/00	USB	(AB/MPJ)
E11	17-4	2005	Sun	8186	369/38 Attention 79981 20483 26744 ... 71239 13115 41325 Attention, rpt msg, out	USB	(PW2)
E11	18-4	0820	Mon	6923	438/00	USB	(AB)
E11	19-4	0645	Tue	10800	517/00	USB	(AB)
E11	19-4	0710	Tue	10221	633/00	USB	(AB)
E11	19-4	0745	Tue	14575	335/00	USB	(AB)
E11	19-4	1300	Tue	15632	133/00	USB	(MPJ)
E11	19-4	1345	Tue	13046	911/00	USB	(MPJ)
E11	19-4	1605	Tue	6397	232/00	USB	(AB/MPJ)
E11	19-4	1925	Tue	10620	551/00	USB	(MPJ)
E11	20-4	0900	Wed	9399	534/00	USB	(AB)
E11	20-4	1300	Wed	15632	133/00	USB	(MPJ)
E11	20-4	1625	Wed	10448	972/36 Attention 74314 23330 67400 97768 28082 ... 14673 13763 68506 00303 15682	USB	(MPJ/PW2)
E11	20-4	1705	Wed	10213	392/00	USB	(MPJ)
E11	21-4	0745	Thu	14575	335/00	USB	(AB)
E11	21-4	1450	Thu	10641	442/35 Attention ...	USB	(AB)
E11	21-4	1530	Thu	10330	262/00	USB	(GHn/MPJ)
E11	21-4	1730	Thu	9371	416/00	USB	(MPJ)
E11	21-4	1925	Thu	10620	551/00	USB	(MPJ)
E11	22-4	0545	Fri	15915	348/00	USB	(AB)
E11	22-4	0710	Fri	10221	633/00	USB	(AB)
E11	22-4	0730	Fri	15825	352/00	USB	(AB)
E11	23-4	1345	Sat	13046	911/00	USB	(MPJ)
E11	23-4	1705	Sat	10213	392/00	USB	(AB/MPJ)
E11	23-4	2005	Sat	8186	363/00	USB	(AB)
E11	24-4	0730	Sun	15825	352/00	USB	(AB)
E11	24-4	1605	Sun	6397	232/00	USB	(AB/MPJ)
E11	24-4	2005	Sun	8186	363/00	USB	(MPJ)
E11	25-4	0745	Mon	10213	262/00	USB	(AB)
E11	25-4	0820	Mon	6923	438/00	USB	(AB)
E11	26-4	0745	Tue	14575	335/00	USB	(AB)
E11	26-4	1045	Tue	8102	576/00	USB	(AB/MPJ)
E11	26-4	1205	Tue	9443	469/00	USB	(MPJ)
E11	26-4	1300	Tue	15632	133/00	USB	(AB/MPJ)
E11	26-4	1345	Tue	13046	911/00	USB	(MPJ)
E11	26-4	1450	Tue	10641	441/00	USB	(AB/MPJ/P W2)
E11	26-4	1605	Tue	6397	232/00	USB	(AB/MPJ)
E11	27-4	0545	Wed	15915	348/00	USB	(AB)

E11	27-4	0930	Wed	8803	270/00	USB	(AB)
E11	27-4	1205	Wed	9443	469/00	USB	(AB/MPJ)
E11	27-4	1300	Wed	15632	133/00	USB	(MPJ)
E11	27-4	1625	Wed	10448	972/00	USB	(AB/MPJ)
E11	27-4	1705	Wed	10213	392/00	USB	(BvR)
E11	28-4	0745	Thu	14575	335/00	USB	(AB)
E11	28-4	0820	Thu	6923	438/00	USB	(AB)
E11	28-4	0930	Thu	8803	270/00	USB	(PW2)
E11	28-4	1450	Thu	10641	441/00	USB	(AB/MPJ)
E11	28-4	1925	Thu	10620	526/32 Attention 48440 95681 99379 ... 77117 39907 02391 Attention, rpt msg, out	USB	(PW2)
E11	29-4	0710	Fri	10221	631/30 Attention 09996 06934 64783 ... 50086 20099 43261 Attention, rpt msg, out	USB	(AB)
E11	29-4	0730	Fri	15825	352/00	USB	(AB)
E11	29-4	2000	Fri	7377	576/00	USB	(MPJ)
E11a	4-4	0900	Mon	9399	533/38 Attention 06798 23655 13124 ... 81504 89241 49193 Attention, rpt msg, out	USB	(AB)
E11a	6-4	0900	Wed	9399	533/38 Attention 06798 23655 13124 ... 81504 89241 49193 Attention, rpt msg, out	USB	(AB/PW2)
E11a	8-4	0830	Fri	10690	646/30 Attention 15540 07809 42719 ... 70890 92121 65762 Attention, rpt msg, out	USB	(AB)
E11a	9-4	1705	Sat	10213	393/35 Attention 76773 92533 14980 ... 95818 65283 46532 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	11-4	0900	Mon	9399	534/00	USB	(AB)
E11a	12-4	1300	Tue	15632	131/39 Attention 46562 10648 14153 92679 52181 ... 44207 91133 33609 31001 96324	USB	(MPJ)
E11a	12-4	1605	Tue	6397	231/34 Attention 45315 59561 17525 ... 98193 09847 47245 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13-4	1300	Wed	15632	131/39 Attention 46562 ...	USB	(MPJ)
E11a	14-4	1530	Thu	10330	266/39 Attention 51344 40895 26929 98462 45530 ... 40280 01731 21165 20485 69864	USB	(MPJ)
E11a	14-4	1730	Thu	9371	416/36 Attention ...	USB	(AB)
E11a	15-4	0545	Fri	15915	344/40 Attention 19361 15574 90447 ... 29543 38303 72481 Attention, rpt msg, out	USB	(AB/HFD)
E11a	16-4	2005	Sat	8186	369/38 Attention 79981 20483 26744 ... 71239 13115 41325 Attention, rpt msg, out	USB	(AB)
E11a	16-4	2005	Sat	8186	369/38 Attention 79981 20483 26744 ... 71239 13115 41325 Attention, rpt msg, out	USB	(PW2)
E11a	17-4	1605	Sun	6397	231/34 Attention 45315 59561 17525 ... 98193 09847 47245 Attention, rpt msg, out	USB	(AB)
E11a	17-4	2005	Sun	8186	369/38 Attention 79981 20483 26744 ... 71239 13115 41325 Attention, rpt msg, out	USB	(MPJ)
E11a	18-4	1225	Mon	20286	521/31 Attention 61636 35688 17621 ... 56566 12982 90522 Attention, rpt msg, out	USB	(AB)
E11a	19-4	1205	Tue	9443	460/30 Attention 87890 62027 46747 ... 52362 12230 28233 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	19-4	1450	Tue	10641	442/35 Attention 21293 ...	USB	(MPJ)
E11a	20-4	0805	Wed	11450	315/32 Attention 03508 51926 33292 ... 80652 97187 79897 Attention, rpt msg, out	USB	(AB)
E11a	20-4	0930	Wed	8803	275/39 Attention 62935 44887 30523 ... 70571 75707 68191 Attention, rpt msg, out	USB	(AB)
E11a	20-4	1205	Wed	9443	460/30 Attention 87890 62027 46747 ... 52362 12230 28233 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	20-4	1625	Wed	10448	972/36 Attention 74314 23330 67400 ... 68506 00303 15682 Attention, rpt msg, out	USB	(AB)
E11a	22-4	2000	Fri	7377	577/38 Attention 73196 50824 85198 ... 34804 18677 95958 Attention, rpt msg, out	USB	(AB)
E11a	24-4	0805	Sun	11450	315/32 Attention 03508 51926 33292 ... 80652 97187 79897 Attention, rpt msg, out	USB	(AB)
E11a	24-4	1625	Sun	10448	972/36 Attention 74314 23330 67400 ... 68506 00303 15682 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	25-4	0900	Mon	9399	534/00	USB	(AB)
E11a	26-4	0645	Tue	10800	510/32 Attention 96622 07137 88101 ... 02844 79222 04684 Attention, rpt msg, out	USB	(AB)

<b>E11a</b>	26-4	1925	Tue	10620	526/32 Attention 48440 95681 99379 80512 61012 ... 36518 07736 77117 39907 02391	USB	(MPJ)
<b>E11a</b>	28-4	0645	Thu	10800	510/32 Attention 96622 07137 88101 ... 02844 79222 04684 Attention, rpt msg, out	USB	(AB)
<b>E11a</b>	28-4	1925	Thu	10620	526/32 Attention 48440 95681 99379 80512 61012 ... 36518 07736 77117 39907 02391	USB	(MPJ)
<b>E17z</b>	7-4	0810	Thu	12930	674 953 8 88630 58069 61723 74537 57440 10597 33525 47660 953 8 00000	USB	(AB)
<b>E17z</b>	14-4	0800	Thu	14260	674 952 8 88620 58069 61723 74537 57440 10597 23521 47660 952 8 00000	USB	(AB)
<b>E17z</b>	14-4	0810	Thu	12930	674 952 8 88620 58069 61723 74537 57440 10597 23521 47660 952 8 00000	USB	(AB)
<b>E17z</b>	21-4	0800	Thu	14260	674 290 5 57914 99227 16046 11393 02359 290 5 00000	USB	(AB)
<b>E17z</b>	21-4	0810	Thu	12930	674 290 5 57914 99227 16046 11393 02359 290 5 00000	USB	(AB)
<b>E17z</b>	28-4	0800	Thu	14260	674 290 5 57914 99227 16046 11393 02359 290 5 00000	USB	(AB)
<b>E17z</b>	28-4	0810	Thu	12930	674 290 5 57914 99227 16046 11393 02359 290 5 00000	USB	(AB)
<b>E25</b>	5-4	0755	Tue	6140	185 msg 1099 4210 4782 6535 4742 0757 7385 9224 rbt rbt rbt 1099 4210 4782 6535 4742 0757 7385 9224 EOM EOT	AM	(PW2)
<b>E25</b>	5-4	0810	Tue	6140	185 MSGx3 1099 4210 4782 6535 4742 0757 7385 9224 RBTx3 [Msg repeat] EOM EOT. Operator is playing Solitaire before the transmission.	AM	(qsr711)
<b>E25</b>	7-4	0743	Thu	6140	185 message 1099 4210 4782 6535 4742 0757 7385 9224 rbt rbt 1099 4210 4782 6535 4742 0757 7385 9224 EOM EOT	AM	(PW2)
<b>E25</b>	7-4	0810	Thu	6140	185 MSGx3 1099 4210 4782 6535 4742 0757 7385 9224 RBTx3 [Msg repeat] EOM EOT.	AM	(qsr711)
<b>E25</b>	11-4	1010	Mon	6140	Carrier switching on and off on 6140 kHz.	AM	(qsr711)
<b>E25</b>	21-4	1155	Thu	6140	Carrier with some Arabic music (Oum Kulthum-Seret El Hob Part 1). Ends abruptly 12 minutes later with the transmitter turning off.	AM	(qsr711/PW 2)
<b>E25</b>	24-4	1145	Sun	6140	intermittend carrier	AM	(PW2)
<b>E25</b>	24-4	1210	Sun	9600	Music. Regular test transmission	AM	(PW2)
<b>E25</b>	24-4	1335	Sun	6140	Intermittend carrier + Enta Omri. Failed transmissions. Signal was alternating between 6140 and 9450 kHz	AM	(PW2)
<b>E25</b>	24-4	1335	Sun	9450	Intermittend carrier + Enta Omri. Failed transmissions. Signal was alternating between 6140 and 9450 kHz	AM	(PW2)
<b>E25</b>	24-4	1340	Sun	6140	Enta Omri song. Operators switch between 6140 and 9450 with the music, but no message sent. Possible failed transmission on 9450 at 1345z.	AM	(qsr711)
<b>E25</b>	24-4	1340	Sun	9450	Enta Omri song. Operators switch between 6140 and 9450 with the music, but no message sent. Possible failed transmission on 9450 at 1345z.	AM	(qsr711)
<b>E25</b>	26-4	0655	Tue	6140	Carrier switching on and off on 6140 kHz.	AM	(PW2/qsr711)
<b>E25</b>	26-4	1105	Tue	6140	carrier switching on and off	AM	(PW2)
<b>E25</b>	27-4	1028	Wed	6140	Carrier on 6140 with Arabic music (Oum Kulthum-Enta Omri). Ends abruptly 2 minutes later with the transmitter switching off	AM	(qsr711)
<b>E25</b>	28-4	1212	Thu	9600	Music Test transmission different music used than normal <a href="https://owncloud.bartstuff.eu/index.php/s/M2cyVOyDLbUIsX1">https://owncloud.bartstuff.eu/index.php/s/M2cyVOyDLbUIsX1</a>	AM	(PW2)
<b>EGY</b>	6-4	0715	Wed	14620	MFA Cairo clg XBVF: Egyptian embassy Madrid	SITOR-A 170/100	(AAI)
<b>EGY</b>	6-4	2056	Wed	14622	MFA Cairo msg to Egyptian embassy Kinshasa	Codan Chirp & 16 tone data	(MCO)
<b>EGY</b>	13-4	1342	Wed	17415	MFA Cairo	Codan-16	(F5JBR)
<b>F06a</b>	2-4	1500	Sat	12224	11100 _____ 02001 02509	ASCII 200/1000	(Danix)
<b>F06a</b>	2-4	1510	Sat	10944	11100 _____ 02001 02509	ASCII 200/1000	(Danix)
<b>F06a</b>	2-4	1520	Sat	9062	11100 _____ 02001 02509	ASCII 200/1000	(Danix)
<b>F06a</b>	2-4	1520	Sat	11045	11100 80159 13465 03001 02539	ASCII 200/1000	(Danix)

F06a	2-4	1530	Sat	9159	11100 80159 13465 03001 02539	ASCII 200/1000	(Danix)
F06a	2-4	1540	Sat	7569	11100 80159 13465 03001 02539	ASCII 200/1000	(Danix)
F06a	21-4	1700	Thu	13965	11100 60069 36592 21001 02649	ASCII 200/1000	(Danix)
F06a	21-4	1710	Thu	11572	11100 60069 36592 21001 02649	ASCII 200/1000	(Danix)
F06a	22-4	1910	Fri	12185	11100 20054 7156_ 22002 02629	ASCII 200/1000	(Danix)
F06a	22-4	1920	Fri	10328	11100 20054 7156_ 22002 02629	ASCII 200/1000	(Danix)
F06a	25-4	1638	Mon	7992	Russian intel.	ASCII 200/1000	(Danix)
G06	4-4	0800	Mon	6810	329 329 329 00000	USB	(AB)
G06	4-4	1659	Mon	4767	574 574 574 00000 (1 minute early)	USB	(AB/MPJ)
G06	4-4	1800	Mon	4953	574 574 574 00000	USB	(AB/MPJ)
G06	6-4	1200	Wed	5186	574 574 574 00000	USB	(HFD/AB)
G06	6-4	1300	Wed	5436	574 574 574 00000	USB	(HFD)
G06	11-4	1654	Mon	4767	111	USB	(AB)
G06	11-4	1659	Mon	4767	754 754 754 00000 (1 minute early)	USB	(AB)
G06	11-4	1759	Mon	4953	754 754 754 00000 (1 minute early)	USB	(AB)
G06	11-4	1800	Mon	4953	574 574 574 00000	USB	(PW2)
G06	13-4	1300	Wed	5436	574 574 574 00000	USB	(AB)
G06	14-4	1830	Thu	5934	579 317 90 37839 35787 98273 60187 16202 ... 85764 87567 64878 85748 87784 317 90 00000	USB	(MPJ/HFD)
G06	15-4	1930	Fri	5442	947 317 90 37809	USB	(HFD)
G06	15-4	1930	Fri	5442	947 317 90 37839 35787 98273 ... 64848 85748 84784 317 90 00000	USB	(AB/MPJ/P W2)
G06	18-4	0800	Mon	6810	329 329 329 00000	USB	(AB/F5JBR)
G06	27-4	1330	Wed	10423	058 274 46 46969 84040 96645 ... 28664 39944 29639 274 46 00000	USB	(Danix)
G06	28-4	1830	Thu	5940	579 019 43 70024 87741 02068 ... 31782 11607 02817 019 43 00000. Used 5940 kHz instead of 5934 kHz	USB	(PW2)
G06	29-4	1926	Fri	5442	1	USB	(AB)
G06	29-4	1930	Fri	5442	947 019 43 70024 87741 02068 ... 31782 11607 02817 019 43 00000	USB	(AB/PW2/M PJ)
HM01	1-4	1831	Fri	11635	37271 57584 13522 88021 73386 87001	AM/RDFT	(DSch)
HM01	2-4	1630	Sat	11435	37272 57585 13523 88022 73387 87001	AM/RDFT	(RR2)
HM01	2-4	1657	Sat	11530	37272 57585 13523 88022 73387 87001	AM/RDFT	(RR2)
HM01	2-4	1756	Sat	11635	37272 57585 13523 88022 73387 87001	AM/RDFT	(RR2/DSch)
HM01	2-4	2200	Sat	17480	Cuban Spy Radio	AM/RDFT	(F4LKC)
HM01	3-4	1604	Sun	11435	37273 57586 13524 88023 73388 87002	AM/RDFT	(RR2/DSch)
HM01	3-4	1700	Sun	11530	37273 57586 13524 88023 73388 87002	AM/RDFT	(RR2)
HM01	3-4	1800	Sun	11635	37273 57586 13524 88023 73388 87002	AM/RDFT	(RR2)
HM01	3-4	2100	Sun	11635	37273 57586 13524 88023 73388 87002	AM/RDFT	(VH)
HM01	4-4	1600	Mon	11435	37274 57587 13525 88024 35881 87003	AM/RDFT	(RR2/DSch)
HM01	5-4	1700	Tue	11530	37275 57588 13526 88025 35881 87004	AM/RDFT	(RR2)
HM01	6-4	0857	Wed	9240	37275 57588 13526 88025 35881 87004	AM/RDFT	(AB)
HM01	6-4	0957	Wed	9155	37275 57588 13526 88025 35881 87004	AM/RDFT	(AB)
HM01	6-4	1800	Wed	11635	37276 57589 13527 88026 35882 87005	AM/RDFT	(RR2)
HM01	7-4	0503	Thu	11462	37276 57589 13527 88026 35882 87005	AM/RDFT	(AB)
HM01	7-4	1715	Thu	11530	37277 56541 13528 88027 35883 87006	AM/RDFT	(RR2)
HM01	8-4	1800	Fri	11635	01801 56541 86431 88028 35884 87007	AM/RDFT	(RR2)
HM01	10-4	1600	Sun	11435	01802 56543 86432 68421 35886 43101	AM/RDFT	(RR2)
HM01	11-4	1600	Mon	11435	01803 56544 86433 68421 35887 43102	AM/RDFT	(RR2)
HM01	11-4	1600	Mon	11435	01803 56544 86433 68421 35887 43102	AM/RDFT	(RR2)
HM01	12-4	1600	Tue	11435	01804 56545 86434 68422 35888 43103	AM/RDFT	(RR2)
HM01	12-4	2200	Tue	17480	01804 56545 86434 68422 35888 43103	AM/RDFT	(Dan)
HM01	13-4	1600	Wed	11435	01805 56546 86435 68423 35889 43104	AM/RDFT	(RR2)
HM01	14-4	1630	Thu	11435	01806 56547 86436 68424 58061 43105	AM/RDFT	(RR2)
HM01	14-4	2200	Thu	17480	01806 56547 86436 68424 58061 43105	AM/RDFT	(Dan)
HM01	15-4	1700	Fri	11530	01807 56548 86437 68425 58061 43106	AM/RDFT	(RR2)
HM01	15-4	1800	Fri	11635	01807 56548 86437 68425 58061 43106. No files available due to DIGTRX problems	AM/RDFT	(PW2)
HM01	16-4	1600	Sat	11435	01808 56549 86438 68426 58062 43107	AM/RDFT	(PW2)
HM01	16-4	1630	Sat	11435	01808 56549 86438 68426 58062 43107	AM/RDFT	(RR2)
HM01	17-4	1600	Sun	11435	28231 85461 02551 68427 58063 78881	AM/RDFT	(RR2)
HM01	18-4	1600	Mon	11435	28231 85461 02551 68428 58064 78881	AM/RDFT	(RR2)
HM01	19-4	0800	Tue	11635	28231 85461 02551 68428 58064 78881	AM/RDFT	(AB)
HM01	19-4	1600	Tue	11435	28232 85462 02552 51451 58065 78882	AM/RDFT	(RR2)



HM01	19-4	2200	Tue	17480	28232 85462 02552 51451 58065 78882	AM/RDFT	(Dan)
HM01	20-4	1600	Wed	11435	28233 85463 02553 51451 58066 78883	AM/RDFT	(RR2)
HM01	21-4	2200	Thu	17480	28234 85464 02554 51452 58067 78884	AM/RDFT	(RR2)
HM01	22-4	1630	Fri	11435	28235 85465 02555 51453 58068 78885	AM/RDFT	(RR2)
HM01	22-4	1700	Fri	11530	28235 85465 02555 51453 58068 78885. Radio Havana Cuba leaked through the transmitters.	AM/RDFT	(PW2-USA)
HM01	23-4	1600	Sat	11435	28236 85466 02556 51454 12761 78886	AM/RDFT	(RR2)
HM01	24-4	0757	Sun	9065	28236 85466 02556 51454 12761 78886	AM/RDFT	(AB)
HM01	24-4	0857	Sun	9240	28236 85466 02556 51454 12761 78886	AM/RDFT	(AB)
HM01	24-4	1600	Sun	11435	28237 85467 02557 51455 12761 78887	AM/RDFT	(RR2)
HM01	25-4	0557	Mon	10345	28237 85467 02557 51455 12761 78887	AM/RDFT	(AB)
HM01	25-4	0657	Mon	9330	28237 85467 02557 51455 12761 78887	AM/RDFT	(AB)
HM01	25-4	0759	Mon	9065	28237 85467 02557 51455 12761 78887	AM/RDFT	(AB)
HM01	25-4	0857	Mon	9240	28237 85467 02557 51455 12761 78887	AM/RDFT	(AB)
HM01	25-4	0957	Mon	9155	28237 85467 02557 51455 12761 78887	AM/RDFT	(AB)
HM01	25-4	1600	Mon	11435	11661 85468 51841 51456 12762 78888	AM/RDFT	(RR2)
HM01	26-4	0800	Tue	11635	11661 85468 51841 51456 12762 78888	AM/RDFT	(AB)
HM01	26-4	1600	Tue	11435	11661 28601 51841 51457 12763 88471	AM/RDFT	(RR2)
HM01	27-4	1800	Wed	11635	11662 28601 51842 43041 12764 88471	AM/RDFT	(RR2)
HM01	28-4	0503	Thu	11462	11661 28601 51841 51457 12763 88471	AM/RDFT	(PPA)
HM01	28-4	1600	Thu	11435	11663 28602 51843 43041 12765 88472	AM/RDFT	(RR2)
HM01	29-4	1615	Fri	11435	11664 28603 51844 43042 76591 88473	AM/RDFT	(AB)
HM01	29-4	1615	Fri	11435	11664 28603 51844 43042 76591 88473	AM/RDFT	(RR2)
HM01	30-4	0500	Sat	11462	11664 28603 51844 43042 76591 88473	AM/RDFT	(AB)
HM01	30-4	0535	Sat	11462	11664 28603 51844 43042 76591 88473	AM/RDFT	(PPA)
HM01	30-4	1607	Sat	11435	11665 28604 51845 43043 76592 88474. Yesterday's new group(76591) was not repeated today	AM/RDFT	(RR2)
HM02	1-4	0435	Fri	6261	398 50 = 07368 52681 34688 ... 53793 70245 15057 = 398 50 398 50 = rpt msg = 398 50 000	FSK-19.8bd/129Hz/FSK-CW	(AB/BR)
HM02	2-4	0440	Sat	6261	169 49 04674 56330 28248 ... 16861 53214 61565 = 174 49 174 49 rpt msg 174 49 000	FSK-19.8bd/129Hz/FSK-CW	(BR)
HM02	3-4	0440	Sun	6261	915 50 915 50 = 47238 27467 88395 ... 89905 69826 06831 = 915 50 915 50 = rpt msg = 915 50 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	4-4	0446	Mon	6261	127 47 = 62337 07920 18641... 56956 42109 16100 = 127 47 127 47 = rpt msg = 127 47 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	5-4	0445	Tue	6261	256 48 = 12649 08179 48307 ... 08862 78314 50613 = 256 48 256 48 = rpt msg = 256 48 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	6-4	0445	Wed	6261	382 48 56941 71474 76107 ... 55051 76715 70935 = 382 48 382 48 = rpt msg = 382 48 000	FSK-19.8bd/129Hz/FSK-CW	(BR)
HM02	7-4	0439	Thu	6261	419 50 = 01922 05085 58357 ... 25583 88122 78466 = 419 50 419 50 = rpt msg = 419 50 000	FSK-19.8bd/129Hz/FSK-CW	(AB)
HM02	8-4	0449	Fri	6261	536 64 = 11259 72810 40915 ... 32284 00112 84560 = 536 64 536 64 = rpt msg = 536 64 000	FSK-19.8bd/129Hz/FSK-CW	(AB/BR)
HM02	9-4	0457	Sat	6261	671 74 = 95400 07361 95696 ... 59000 97921 50655 = 671 74 671 74 = rpt msg = 671 74 000	FSK-19.8bd/129Hz/FSK-CW	(AB/BR)
HM02	10-4	0451	Sun	6261	762 71 = 09529 24164 64057 ... 98900 17012 24830 = 762 71 762 71 = rpt msg = 762 71 000	FSK-19.8bd/129Hz/FSK-CW	(BR)
HM02	11-4	0439	Mon	6261	721 71 = 42726 32208 76402 ... 05968 84176 66803 = 721 71 721 71 = rpt msg = 721 71 000	FSK-19.8bd/129Hz/FSK-CW	(AB/BR)
HM02	12-4	0451	Tue	6261	692 71 = 44641 59205 65079 ... 59767 95110 29498 = 692 71 692 71 = rpt msg twice = 692 71 000	FSK-19.8bd/129Hz/FSK-CW	(BR)

HM02	13-4	0443	Wed	6261	543 71 = 09488 56817 42253 ... 32526 26928 89664 = 543 71 543 71 = rpt msg = 543 71 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	14-4	0455	Thu	7351	417 67 = 98834 99631 99968 ... 44841 92339 63585 = 417 67 417 67 = rpt msg = 417 67 000	FSK- 19.8bd/129Hz/FSK- CW	(BR)
HM02	15-4	0445	Fri	7351	524 72 = 04644 18618 85616 ... 29903 40502 82666 = 524 72 524 72 = rpt msg = 524 72 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	16-4	0450	Sat	7351	613 75 = 47738 42170 29709 ... 69607 83168 87360 = 613 75 613 75 = rpt msg = 613 75 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	18-4	0444	Mon	7351	721 64 = 19737 59440 42866 ... 59504 83412 12127 = 721 64 721 64 = rpt msg = 721 64 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	19-4	0446	Tue	7351	632 73 = 65815 67160 03091 ... 49371 32719 35037 = 632 73 632 73 = rpt msg = 632 73 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	20-4	0445	Wed	7351	523 68 = 30825 96076 82631 ... 24162 08769 81288 = 523 68 523 68 = rpt msg = 523 68 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	21-4	0445	Thu	7351	494 69 = 65338 50490 78303 ... 68472 08491 12011 = 494 69 494 69 = rpt msg = 494 69 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	22-4	0446	Fri	7351	485 70 = 66194 54169 94599 ... 31253 22562 45275 = 385 70 385 70 = rpt msg = 385 70 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	23-4	0448	Sat	7351	256 72 = 69711 22331 21163 ... 72643 46310 65691 = 256 72 256 72 = rpt msg = 256 72 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	24-4	0451	Sun	7351	167 72 = 48542 57194 01783 ... 43791 33707 76982 = 167 72 167 72 = rpt msg = 167 72 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	25-4	0445	Mon	7351	216 70 = 38479 09571 05094 ... 81777 81345 23001 = 216 70 216 70 = rpt msg = 216 70 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	26-4	0451	Tue	7351	393 75 = 19492 51428 51378 ... 94962 63035 69413 = 393 75 393 75 = rpt msg = 393 75 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	27-4	0437	Wed	7351	385 50 = 06946 97525 33735 13053 ... 81858 18393 27268 = 385 50 385 50 = rpt msg = 385 50 000	FSK- 19.8bd/129Hz/FSK- CW	(BR)
HM02	28-4	0438	Thu	7351	414 46 = 45619 05459 00978 ... 08624 03432 71254 = 414 46 414 46 = rpt msg = 414 46 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	29-4	0438	Fri	7351	523 49 = 82247 76594 81625 ... 50572 62788 30462 = 523 49 523 49 = rpt msg = 523 49 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
HM02	30-4	0447	Sat	7351	622 69 = 55075 06114 46495 ... 77270 52969 00735 = 622 69 622 69 = rpt msg = 622 69 000	FSK- 19.8bd/129Hz/FSK- CW	(AB)
IND	2-4	0905	Sat	18407	8WD14: MFA New Delhi clg 8WH23: unid embassy	CW	(EW)
M01	5-4	1800	Tue	5475	463 960 30 = = 85387 45640 53249 75340 Es 53249 75340 Es 53249 75340 22949 ... 48632 04113 73934 91933 01195 = 960 30 000	CW	(MPJ)
M01	5-4	2000	Tue	5020	463 608 30 = = 03136 58631 17311 78924 58830 ... 46261 05468 54296 45736 55056 = = 608 30 000	CW	(MPJ)
M01	7-4	1800	Thu	5475	463_47 30 = 09504 316_7 29273 67806 97278 70377 ...	CW	(MPJ)
M01	10-4	0700	Sun	6510	463	CW	(HFD)
M01	19-4	1800	Tue	5475	463 ...	CW	(MPJ)
M01	21-4	2000	Thu	5020	463 504 30 = 06582 49859 94847 ... 26255 64844 65411 = 504 30 000	CW	(MPJ)
M01	24-4	0700	Sun	6510	463 183 30 = = 09564 19167 29273 ... 43709 29272 18308 = = 183 30 000	MCW	(AB)



<b>M01</b>	26-4	1800	Tue	5475	463 137 30 = = 52145 58357 48694 41709 96878 ... 12035 39338 46594 54914 37055 137 30 = = 000	CW	(MPJ)
<b>M01</b>	28-4	2000	Thu	5020	463 891 30 = = 69980 81631 74895 92216 97133 ... 63436 7958 77918 80237 85422 = = 891 30 000	CW	(MPJ)
<b>M01a</b>	4-4	2015	Mon	4072	925 925 925 925 74113 74113 925 925 925 925 74217 74217	CW	(uascan)
<b>M01a</b>	22-4	1630	Fri	4918	844 844 844 410 61 040 1 111 000	CW	(F5JBR)
<b>M01a</b>	24-4	0912	Sun	4591	517 517	CW	(Uascan)
<b>M01a</b>	24-4	0917	Sun	4591	53644 53644 53644 53644 53644 53644	CW	(Uascan)
<b>M01a</b>	24-4	0920	Sun	4591	6 ? 5 ? 6 4 3 6 4 4 5	CW	(Uascan)
<b>M01a</b>	24-4	0925	Sun	4591	45553 45553 336 45553 45553 45553 336 46555 333 333 64655 64655 333 64655 64655 333 64655 64655	CW	(Uascan)
<b>M01a</b>	24-4	0940	Sun	4591	999...5...2...49... 79162 ...9... 66079 ...9715 ... 55614 63629 80794 71518 05469 36...50 1... 72520	CW	(Uascan)
<b>M01b</b>	1-4	1902	Fri	3625	153-549 39 49887 //4941	CW	(HFD)
<b>M01b</b>	1-4	1902	Fri	4940	153 549 39 = = 49887 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000 //3625 kHz	MCW	(MPJ)
<b>M01b</b>	1-4	1902	Fri	4941	153 549 39 49887 //3625	CW	(HFD)
<b>M01b</b>	1-4	2009	Fri	3520	582 549 39 49887 //4585	CW	(HFD)
<b>M01b</b>	1-4	2009	Fri	4585	582-549 39 49887 //3520	CW	(HFD)
<b>M01b</b>	3-4	1915	Sun	4454	771-549 39 49887	CW	(HFD)
<b>M01b</b>	4-4	1815	Mon	3535	420 549 39 49887 start at 1815 not 1810! //4590	CW	(HFD)
<b>M01b</b>	4-4	1815	Mon	4590	420-549 39 49887 start at 1815 not 1810! //3535	CW	(HFD)
<b>M01b</b>	4-4	1915	Mon	3645	771 549 39 = = 49887 49981 15896 66544 26564 ... 16454 16544 65463 65489 78323 = = 549 39 000 //4455 kHz	MCW	(MPJ)
<b>M01b</b>	4-4	1915	Mon	4455	771 549 39 = = 49887 49981 15896 66544 26564 ... 16454 16544 65463 65489 78323 = = 549 39 000 //3645 kHz	MCW	(MPJ)
<b>M01b</b>	7-4	1832	Thu	3510	201 549 39 49887 //4605	CW	(HFD)
<b>M01b</b>	7-4	1832	Thu	4605	201-549 39 49887 //3510	CW	(HFD)
<b>M01b</b>	7-4	1832	Thu	4605	201 549 39 = = 49887 48981? 4998_? 15896 66544 26564 65465 ...	MCW	(MPJ)
<b>M01b</b>	7-4	1942	Thu	3715	477-549 39 49887 //4570	CW	(HFD)
<b>M01b</b>	7-4	1942	Thu	4570	477-549 39 49887 //3715	CW	(HFD)
<b>M01b</b>	8-4	1902	Fri	3625	153 549 39 = = 49887 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000 //4940 kHz	MCW	(MPJ)
<b>M01b</b>	8-4	1902	Fri	4940	153 549 39 = = 49887 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000 //3625 kHz	MCW	(MPJ)
<b>M01b</b>	11-4	1810	Mon	3535	420 549 39 = = 49887 49881(?) 15896 66544 26564 ... 04147 06156 64984 16454 65498 05065 16544 65463 65489 78323 = = 549 39 000 //4590 kHz	MCW	(MPJ)
<b>M01b</b>	11-4	1810	Mon	4590	420 549 39 = = 49887 49881(?) 15896 66544 26564 ... 04147 06156 64984 16454 65498 05065 16544 65463 65489 78323 = = 549 39 000 //3535 kHz	MCW	(MPJ)
<b>M01b</b>	14-4	1942	Thu	3715	477 549 39 = = 49887 49981 15896 66544 26564 ... .... 65463 65489 78323 = = 549 39 000	MCW	(MPJ)
<b>M01b</b>	15-4	1902	Fri	3625	153 549 39 = = 49887 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000 //4940 kHz	MCW	(MPJ)
<b>M01b</b>	15-4	1902	Fri	4940	153 549 39 = = 49887 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000 //3625 kHz	MCW	(MPJ)
<b>M01b</b>	21-4	1832	Thu	4605	201 549 39 = = 49886 49981 15896 66544 26564 ... 05065 16544 65463 65489 78323 = = 549 39 000	MCW	(MPJ)
<b>M01b</b>	21-4	1942	Thu	3715	477 549 39 = = 49887 49981 15896 ... same message as 18:32 sked ... 65463 65489 78323 = = 549 39 000 //4570 kHz	MCW	(MPJ)
<b>M01b</b>	21-4	1942	Thu	4570	477 549 39 = = 49887 49981 15896 ... same message as 18:32 sked ... 65463 65489 78323 = = 549 39 000 //3715 kHz	MCW	(MPJ)

<b>M01b</b>	22-4	1902	Fri	3625	153 549 39 == 49887 49981 15896 66544 26564 ... 05065 36544 65463 64489 78324 == 549 39 000 //4940 kHz	MCW	(MPJ)
<b>M01b</b>	25-4	1915	Mon	3645	771 317 32 == 33463 73200 21149 29889 01768 ... 34522 62368 30974 41867 80566 == 317 32 000 //4455 kHz	MCW	(F5JBR)
<b>M01b</b>	25-4	1915	Mon	4455	771 317 32 == 33463 73200 21149 29889 01768 ... 34522 62368 30974 41867 80566 == 317 32 000 //3645 kHz	MCW	(F5JBR)
<b>M01c</b>	8-4	1518	Fri	4824	613 613 291 53 111 291 63 111 333 03 111 999 995 10 = 15063 66856 ... = 995 10 111 000	CW	(F5JBR)
<b>M01c</b>	26-4	0908	Tue	5121	259 259 259 111 999 259 259 111 049 20 = 28531 ... = 049 20 259 259 259 111 999 546 20 = 80383 ... = 546 20	CW	(F5JBR)
<b>M08a</b>	5-4	1430	Tue	8096	i.p.	CW	(flex)
<b>M08a</b>	7-4	2000	Thu	7555	WAGAA RNWUA IWTRN (51811 62571 75062)	LSB	(PW2)
<b>M08a</b>	13-4	2315	Wed	8009	i.p. RWDDT DHGAT NAGUA DTWID ATRUT ... TIUTI ANNUR DRTWI TRWUG RAWTU AR AR AR	CW	(AAFL)
<b>M12</b>	2-4	1310	Sat	14468	451 451 451 000	CW	(MPJ)
<b>M12</b>	2-4	2110	Sat	11469	441 441 441 000	CW	(HFD/AB)
<b>M12</b>	2-4	2130	Sat	10469	441 441 441 000	CW	(HFD)
<b>M12</b>	2-4	2155	Sat	9168	i.p. 45993 65803 07703 90756 58074 06285 000 000	CW	(Lan)
<b>M12</b>	4-4	1800	Mon	9176	257 1 6163 140 25739 98020 09612 94987 85419 ... 27797 60979 89655 35419 12494 000 000	CW	(MPJ)
<b>M12</b>	4-4	1820	Mon	7931	257 1 6163 140 25739 98020 09612 94987 85419 ... 27797 60979 89655 35419 12494 000 000	CW	(MPJ)
<b>M12</b>	4-4	1840	Mon	6904	257 1 6163 140 25739 98020 09612 94987 85419 ... 27797 60979 89655 35419 12494 000 000	CW	(MPJ)
<b>M12</b>	4-4	1900	Mon	9176	257 1 4211 82 48320 47341 86346 91283 31622 ... 45032 05611 84650 32708 30751 000 000	CW	(MPJ)
<b>M12</b>	4-4	1920	Mon	7931	257 1 4211 82 48320 47341 86346 91283 31622 ... 45032 05611 84650 32708 30751 000 000	CW	(MPJ)
<b>M12</b>	4-4	1940	Mon	6904	257 1 4211 82 48320 47341 86346 91283 31622 ... 45032 05611 84650 32708 30751 000 000	CW	(MPJ)
<b>M12</b>	5-4	1930	Tue	10343	124 1 6583 93 06502 72089 67692 76865 71835 ... 77403 56510 82315 23297 03186 000 000	CW	(MPJ)
<b>M12</b>	5-4	1950	Tue	9264	124 1 6583 93 06502 72089 67692 76865 71835 ... 77403 56510 82315 23297 03186 000 000	CW	(MPJ)
<b>M12</b>	6-4	1900	Wed	8047	463 1 ...	CW	(AB)
<b>M12</b>	7-4	0630	Thu	7484	402 0	CW	(HFD)
<b>M12</b>	7-4	0650	Thu	8084	402 0	CW	(HFD)
<b>M12</b>	7-4	1310	Thu	14468	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB)
<b>M12</b>	7-4	1330	Thu	13568	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB)
<b>M12</b>	7-4	1350	Thu	12178	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB)
<b>M12</b>	7-4	1700	Thu	12162	546 1 (R) 9529 90 75479 55070 59259 ... 77446 60351 96934 000 000	CW	(AB/HFD)
<b>M12</b>	7-4	1720	Thu	11566	546 1 (R) 9529 90 75479 55070 59259 ... 77446 60351 96934 000 000	CW	(AB/HFD)
<b>M12</b>	7-4	1740	Thu	10711	546 1 (R) 9529 90 75479 55070 59259 ... 77446 60351 96934 000 000	CW	(AB/HFD)
<b>M12</b>	7-4	1800	Thu	11435	938 1 7778 142 92072 07346 15729 74722 29808 ... 13977 55484 44988 40666 91955 000 000	CW	(MPJ)
<b>M12</b>	7-4	1820	Thu	10598	938 1 7778 142 92072 07346 15729 74722 29808 ... 13977 55484 44988 40666 91955 000 000	CW	(MPJ)
<b>M12</b>	7-4	1840	Thu	9327	938 1 7778 142 92072 07346 15729 74722 29808 ... 13977 55484 44988 40666 91955 000 000	CW	(MPJ)
<b>M12</b>	7-4	1900	Thu	9176	257 1 2971 70 10121 08434 01306 10981 59289 ... 58846 48974 99281 14652 61855 000 000	CW	(MPJ)
<b>M12</b>	7-4	1920	Thu	7931	257 1 2971 70 10121 08434 01306 10981 59289 ... 58846 48974 99281 14652 61855 000 000	CW	(MPJ)
<b>M12</b>	7-4	1940	Thu	6904	257 1 2971 70 10121 08434 01306 10981 59289 ... 58846 48974 99281 14652 61855 000 000	CW	(MPJ)
<b>M12</b>	8-4	1520	Fri	19041	404 404 404 000	CW	(MPJ)

<b>M12</b>	9-4	0520	Sat	9376	134 134 134 000	CW	(AB)
<b>M12</b>	9-4	1310	Sat	14468	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB)
<b>M12</b>	9-4	1330	Sat	13568	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB)
<b>M12</b>	9-4	1350	Sat	12178	451 1 (R) 6156 167 85340 94785 15604 ... 35006 18530 14339 000 000	CW	(AB/MPJ)
<b>M12</b>	11-4	0450	Mon	6992	796 796 796 000	CW	(AB)
<b>M12</b>	11-4	1100	Mon	12205	973 1 4556 132 08031 73200 48548 ... 41167 79134 93967 000 000	CW	(AB)
<b>M12</b>	11-4	1100	Mon	14728	973 1 4556 132 08031 73200 48548 ... 41167 79134 93967 000 000	CW	(AB)
<b>M12</b>	11-4	1124	Mon	13559	973 1 4556 132 08031 73200 48548 ... 41167 79134 93967 000 000	CW	(AB)
<b>M12</b>	11-4	1800	Mon	9176	257 1 2383 144 15726 19574 36527 81982 88891 ... 10726 56482 67208 67208 24204 95475 000 000	CW	(MPJ)
<b>M12</b>	11-4	1820	Mon	7931	257 1 2383 144 15726 19574 36527 81982 88891 ... 10726 56482 67208 67208 24204 95475 000 000	CW	(MPJ)
<b>M12</b>	11-4	1840	Mon	6904	257 1 2383 144 15726 19574 36527 81982 88891 ... 10726 56482 67208 67208 24204 95475 000 000	CW	(MPJ)
<b>M12</b>	11-4	1900	Mon	9176	257 1 6004 88 54199 80325 64935 78567 40499 ... 23405 25969 17964 91000 68527 000 000	CW	(MPJ)
<b>M12</b>	11-4	1920	Mon	7931	257 1 6004 88 54199 80325 64935 78567 40499 ... 23405 25969 17964 91000 68527 000 000	CW	(MPJ)
<b>M12</b>	11-4	1940	Mon	6904	257 1 6004 88 54199 80325 64935 78567 40499 ... 23405 25969 17964 91000 68527 000 000	CW	(MPJ)
<b>M12</b>	12-4	1930	Tue	10343	124 1 1402 107 41630 70320 15279 33658 12219 ... 68781 14178 16617 05183 78981 000 000	CW	(MPJ)
<b>M12</b>	13-4	1800	Wed	9176	257 1 1633 132 13031 43872 13780 93206 47647 ... 67622 06258 12677 07073 19020 000 000	CW	(MPJ)
<b>M12</b>	13-4	1820	Wed	7931	257 1 1633 132 13031 43872 13780 93206 47647 ... 67622 06258 12677 07073 19020 000 000	CW	(MPJ)
<b>M12</b>	13-4	1840	Wed	6904	257 1 1633 132 13031 43872 13780 93206 47647 ... 67622 06258 12677 07073 19020 000 000	CW	(MPJ)
<b>M12</b>	13-4	1900	Wed	8047	463 1 7219 134 66303 90528 01535 48415 62770 ... 61596 21117 29495 17591 41900 000 000	CW	(MPJ)
<b>M12</b>	13-4	1920	Wed	6802	463 1 7219 134 66303 90528 01535 48415 62770 ... 61596 21117 29495 17591 41900 000 000	CW	(MPJ)
<b>M12</b>	13-4	1940	Wed	5788	463 1 7219 134 66303 90528 01535 48415 62770 ... 61596 21117 29495 17591 41900 000 000	CW	(MPJ)
<b>M12</b>	13-4	2100	Wed	6793	785 0	CW	(HFD)
<b>M12</b>	13-4	2120	Wed	5893	785 0	CW	(HFD)
<b>M12</b>	14-4	0731	Thu	7484	402 402 402 000	CW	(uascan)
<b>M12</b>	14-4	0752	Thu	8084	402 402 402 000	CW	(uascan)
<b>M12</b>	14-4	1310	Thu	14468	451 1 (R) 5807 121 56338 ... 44479 96098 49113 000 000	CW	(AB/MPJ)
<b>M12</b>	14-4	1330	Thu	13568	451 1 (R) 5807 121 56338 ... 44479 96098 49113 000 000	CW	(AB/MPJ)
<b>M12</b>	14-4	1350	Thu	12178	451 1 (R) 5807 121 56338 ... 44479 96098 49113 000 000	CW	(AB/MPJ)
<b>M12</b>	14-4	1800	Thu	11435	938 1 4542 147 34032 23637 20138 90634 42785 ... 69957 91162 20846 27700 96717 000 000	CW	(MPJ)
<b>M12</b>	14-4	1820	Thu	10598	938 1 4542 147 34032 23637 20138 90634 42785 ... 69957 91162 20846 27700 96717 000 000	CW	(MPJ)
<b>M12</b>	14-4	1840	Thu	9327	938 1 4542 147 34032 23637 20138 90634 42785 ... 69957 91162 20846 27700 96717 000 000	CW	(MPJ)
<b>M12</b>	14-4	1920	Thu	7931	257 1 3338 89 39689 55145 13361 94788 07336 ... 03763 30312 07023 83420 24600 000 000	CW	(MPJ)
<b>M12</b>	14-4	1940	Thu	6904	257 1 3338 89 39689 55145 13361 94788 07336 ... 03763 30312 07023 83420 24600 000 000	CW	(MPJ)
<b>M12</b>	16-4	0500	Sat	8176	134 134 134 000	CW	(AB)
<b>M12</b>	16-4	0520	Sat	9376	134 134 134 000	CW	(AB)
<b>M12</b>	16-4	1330	Sat	13568	451 1 5807 121 56338 68005 59793 57021 28161 ... 19420 01324 4447_ 96098 49113 000 000	CW	(MPJ)
<b>M12</b>	16-4	1350	Sat	12178	451 1 5807 121 56338 68005 59793 57021 28161 ... 19420 01324 4447_ 96098 49113 000 000	CW	(MPJ)

<b>M12</b>	19-4	1840	Tue	6904	257 1 3327 89 13994 20158 73742 19798 82_35 ... 6____ 25755 _7196 33153 18533 000 000	CW	(MPJ)
<b>M12</b>	19-4	1930	Tue	10343	124 1 8196 104 00845 00468 64874 45707 91123 ... 36862 14154 41565 43281 13389 000 000	CW	(MPJ)
<b>M12</b>	19-4	1950	Tue	9264	124 1 8196 104 00845 00468 64874 45707 91123 ... 36862 14154 41565 43281 13389 000 000	CW	(MPJ)
<b>M12</b>	20-4	1800	Wed	9176	257 1 184 135 95265 58781 43462 ... 64922 67340 92091 000 000	CW	(AB)
<b>M12</b>	20-4	1820	Wed	7931	257 1 184 135 95265 58781 43462 ... 64922 67340 92091 000 000	CW	(AB)
<b>M12</b>	20-4	1840	Wed	6904	257 1 184 135 95265 58781 43462 ... 64922 67340 92091 000 000	CW	(AB)
<b>M12</b>	21-4	1330	Thu	13568	451 451 451 000	CW	(MPJ)
<b>M12</b>	21-4	1700	Thu	12162	546 1 2549 86 50488 93565 43253 10861 53347 ... 72931 61380 18244 76763 78828 000 000	CW	(MPJ)
<b>M12</b>	21-4	1720	Thu	11566	546 1 2549 86 50488 93565 43253 10861 53347 ... 72931 61380 18244 76763 78828 000 000	CW	(MPJ/F5JBR)
<b>M12</b>	21-4	1740	Thu	10711	546 1 2549 86 50488 93565 43253 10861 53347 ... 72931 61380 18244 76763 78828 000 000	CW	(MPJ)
<b>M12</b>	21-4	1800	Thu	11435	938 1 6222 140 64036 14319 00409 47795 65035 ... 46771 89023 20239 91457 52224 000 000	CW	(MPJ)
<b>M12</b>	21-4	1820	Thu	10598	938 1 6222 140 64036 14319 00409 47795 65035 ... 46771 89023 20239 91457 52224 000 000	CW	(MPJ/PPA)
<b>M12</b>	21-4	1840	Thu	9327	938 1 6222 140 64036 14319 00409 47795 65035 ... 46771 89023 20239 91457 52224 000 000	CW	(MPJ)
<b>M12</b>	21-4	1900	Thu	9176	257 1 1339 87 19449 23945 63536 15700 23065 ... 40142 04296 27135 75894 18635 000 000	CW	(MPJ)
<b>M12</b>	21-4	1920	Thu	7931	257 1 1339 87 19449 23945 63536 15700 23065 ... 40142 04296 27135 75894 18635 000 000	CW	(MPJ)
<b>M12</b>	21-4	1940	Thu	6904	257 1 1339 87 19449 23945 63536 15700 23065 ... 40142 04296 27135 75894 18635 000 000	CW	(MPJ)
<b>M12</b>	22-4	1500	Fri	20441	404 404 404 000	CW	(MPJ)
<b>M12</b>	23-4	0500	Sat	8176	134 134 134 000	CW	(AB)
<b>M12</b>	23-4	0500	Sat	9376	134 134 134 000	CW	(AB)
<b>M12</b>	23-4	1310	Sat	14468	451 451 451 000	CW	(MPJ)
<b>M12</b>	23-4	1330	Sat	13568	451 451 451 000	CW	(MPJ)
<b>M12</b>	25-4	1100	Mon	12205	973 1 1975 143 21770 85308 53810 ... 26459 97469 04496 000 000	cw	(PW2)
<b>M12</b>	25-4	1800	Mon	9176	257 1 5184 143 45315 96948 11722 10686 72688 ... 96499 62922 34079 99108 98831 000 000	CW	(MPJ)
<b>M12</b>	25-4	1820	Mon	7931	257 1 5184 143 45315 96948 11722 10686 72688 ... 96499 62922 34079 99108 98831 000 000	CW	(MPJ)
<b>M12</b>	25-4	1840	Mon	6904	257 1 5184 143 45315 96948 11722 10686 72688 ... 96499 62922 34079 99108 98831 000 000	CW	(MPJ)
<b>M12</b>	25-4	1900	Mon	9176	257 1 4448 88 61875 84466 74810 70001 58956 ... 43830 23734 50427 98174 17248 000 000	CW	(MPJ)
<b>M12</b>	25-4	1920	Mon	7931	257 1 4448 88 61875 84466 74810 70001 58956 ... 43830 23734 50427 98174 17248 000 000	CW	(MPJ)
<b>M12</b>	25-4	1940	Mon	6904	257 1 4448 88 61875 84466 74810 70001 58956 ... 43830 23734 50427 98174 17248 000 000	CW	(MPJ)
<b>M12</b>	27-4	0730	Wed	16353	834 834 834 000	CW	(AB)
<b>M12</b>	27-4	1800	Wed	9176	257 1 213 100 53923 45454 56320 17049 41646 ... 48898 00167 06903 55598 53709 000 000	CW	(MPJ)
<b>M12</b>	27-4	1820	Wed	7931	257 1 213 100 53923 45454 56320 17049 41646 ... 48898 00167 06903 55598 53709 000 000	CW	(BvR/MPJ)
<b>M12</b>	27-4	1840	Wed	6904	257 1 213 100 53923 45454 56320 17049 41646 ... 48898 00167 06903 55598 53709 000 000	CW	(BvR/MPJ)
<b>M12</b>	27-4	1900	Wed	8047	257 1 1974 139 57039 25816 51103 86163 50264 ... 61947 58071 45435 90933 50977 000 000	CW	(MPJ)
<b>M12</b>	27-4	1920	Wed	6802	257 1 1974 139 57039 25816 51103 86163 50264 ... 61947 58071 45435 90933 50977 000 000	CW	(MPJ)
<b>M12</b>	27-4	1940	Wed	5788	257 1 1974 139 57039 25816 51103 86163 50264 ... 61947 58071 45435 90933 50977 000 000	CW	(MPJ)
<b>M12</b>	28-4	0650	Thu	8084	402 402 402 000	CW	(AB)
<b>M12</b>	28-4	1310	Thu	14468	451 1 (R) 8351 145 29583 99578 80291 ... 75909 12403 93305 000 000	CW	(AB)

<b>M12</b>	28-4	1330	Thu	13568	451 1 (R) 8351 145 29583 99578 80291 ... 75909 12403 93305 000 000	CW	(AB)
<b>M12</b>	28-4	1350	Thu	12178	451 1 (R) 8351 145 29583 99578 80291 ... 75909 12403 93305 000 000	CW	(AB)
<b>M12</b>	28-4	1700	Thu	12162	546 1 1404 86 66972 66065 05342 02474 75863 ... 47186 29083 01255 63635 93000 000 000	CW	(MPJ)
<b>M12</b>	28-4	1720	Thu	11577	546 1 1404 86 66972 66065 05342 02474 75863 ... 47186 29083 01255 63635 93000 000 000	CW	(MPJ)
<b>M12</b>	28-4	1740	Thu	10711	546 1 1404 86 66972 66065 05342 02474 75863 ... 47186 29083 01255 63635 93000 000 000	CW	(MPJ)
<b>M12</b>	28-4	1800	Thu	11435	3181 150 35771 40010 06939 00478 75790 ... 73743 12768 62462 03561 13516 000 000	CW	(MPJ)
<b>M12</b>	28-4	1820	Thu	10598	3181 150 35771 40010 06939 00478 75790 ... 73743 12768 62462 03561 13516 000 000	CW	(MPJ)
<b>M12</b>	28-4	1840	Thu	9237	3181 150 35771 40010 06939 00478 75790 ... 73743 12768 62462 03561 13516 000 000	CW	(MPJ)
<b>M12</b>	28-4	1900	Thu	9176	257 1 9323 95 66068 78689 97074 28422 72596 ... 75899 60310 80207 22351 36552 000 000	CW	(MPJ)
<b>M12</b>	28-4	1920	Thu	7931	257 1 9323 95 66068 78689 97074 28422 72596 ... 75899 60310 80207 22351 36552 000 000	CW	(MPJ)
<b>M12</b>	28-4	1940	Thu	6904	257 1 9323 95 66068 78689 97074 28422 72596 ... 75899 60310 80207 22351 36552 000 000	CW	(MPJ)
<b>M12</b>	29-4	1500	Fri	20441	404 404 404 000	CW	(MPJ)
<b>M12</b>	29-4	1520	Fri	19041	404 404 404 000	CW	(MPJ)
<b>M14</b>	1-4	1800	Fri	5475	382 382 382 00000	MCW	(MPJ)
<b>M14</b>	2-4	0800	Sat	5430	171 230 65 12345	CW	(HFD)
<b>M14</b>	2-4	0900	Sat	5561	171	CW	(HFD)
<b>M14</b>	10-4	0600	Sun	6824	382 382 382 00000	CW	(HFD)
<b>M14</b>	12-4	1820	Tue	5947	346 007 157 12345 54321 65432 16161 23456 ... 10293 45612 90546 56123 78456 007 157 00000	MCW	(MPJ/HFD)
<b>M14</b>	13-4	1920	Wed	5463	537 (long pause) 000000 (pause) 1115 (restarts) 537 7007 157 12345 54321 65432 16161 23456 ... 10293 45612 90546 56123 78456 007 175 00000	MCW	(MPJ/HFD)
<b>M14</b>	15-4	1700	Fri	5944	383 382 382 00000	MCW	(MPJ)
<b>M14</b>	15-4	1800	Fri	5477	383 382 382 00000	MCW	(MPJ)
<b>M14</b>	19-4	1600	Tue	4826	361 361 361 00000	MCW	(MPJ)
<b>M14</b>	22-4	1215	Fri	4950	352 155 101 82660 423378... 41219 98876 155 101 00000	CW	(F5JBR)
<b>M14</b>	22-4	1433	Fri	9371	352 352 352 00000	CW	(F5JBR)
<b>M14</b>	24-4	0600	Sun	6824	383 382 382 00000	CW	(AB)
<b>M14</b>	24-4	0700	Sun	6990	382 382 382 00000	CW	(AB/F5JBR)
<b>M14</b>	26-4	1820	Tue	5947	346 230 65 12345 43435 67674 83838 98765 ... 76543 45665 77721 03264 78967 230 65 00000	MCW	(MPJ)
<b>M14</b>	27-4	0832	Wed	1638	301 569 82 // 62773 31498 34498 ... 53821 35002 // 569 82 00000	CW	(F5JBR)
<b>M14</b>	27-4	1920	Wed	5788	537 190 50 12345 43435 67674 83838 98765 ... 23874 19634 80989 56890 34087 190 50 00000	MCW	(MPJ)
<b>M21</b>	2-4	0528	Sat	6019	Russian Air Defense 866229736984074321 97138993374422 97179960896268517 996089624 9716993073424 ...	CW	(F5JBR)
<b>M21</b>	4-4	1654	Mon	3280	=991954??0?????	CW	(JPL-Sib)
<b>M21</b>	13-4	1751	Wed	3314	=992051??0???????	CW	(JPL-Sib)
<b>M21</b>	16-4	0511	Sat	6078	8594195506610 =8591195564710 =8594195202212 =8591195569512	CW	(F5JBR)
<b>M22</b>	10-4	1840	Sun	4331	VVV DE 4XZ	CW	(F4LKC)
<b>M22</b>	24-4	1900	Sun	2680	4XZ NR716.... //6607 kHz	CW	(F4LKC)
<b>M22</b>	24-4	1900	Sun	6607	4XZ NR716.... //2680 kHz	CW	(F4LKC)
<b>M32</b>	1-4	0515	Fri	6905	5S8L de SO1Q QTC 953 = FF12 0386 1000 0121 0313 0000 QLN K	CW	(F5JBR)
<b>M32</b>	1-4	0518	Fri	6905	5S8L de SO1Q K. 5S8L de SO1Q QTC 764 = FF22 0385 3000 0111 0333 0000 QLN K. 5S8L de SO1Q QTC 866 = FF32 0382 3000 0311 0311 0000 QLN K	CW	(F5JBR)
<b>M32</b>	1-4	1742	Fri	3523	DE YWMO QTC 191 20 1 2125 191 = 310 = DZ\AXA PYIJO SGNBE SCPGA SGNBE SCPGA SGNBE SCPGA ...	CW	(JPL-Sib)
<b>M32</b>	1-4	1849	Fri	4864	4WAR 4WAR 4WAR AR	CW	(JPL-Sib)



<b>M32</b>	1-4	1901	Fri	4850	DE RDI RDI QSA ? K. OK QTC GA K. DE RDI QSL QTC NR 11/1	CW	(JPL-Sib)
<b>M32</b>	1-4	1914	Fri	4908	VVVVVV K. 20QA 364 18 1 2205 364 = 313 = MMMMM MY\AEM B\ASSQ GKVUE ...	CW	(JPL-Sib)
<b>M32</b>	4-4	0953	Mon	7853	XXX XXX WEGI WEGI 28350 VEZLOFLOT 8719 7156	CW	(WP3)
<b>M32</b>	4-4	0953	Mon	7853	XXX XXX G5CX G5CX F2ET F2ET 57532 14471 GRANOSIP 8202 7479	CW	(WP3)
<b>M32</b>	4-4	0953	Mon	7853	XXX XXX WLHN WLHN 77679 73971 63805 UVOBAL 1457 6522	CW	(WP3)
<b>M32</b>	4-4	0953	Mon	7853	XXX XXX WEGI WEGI 82800 45161 UKAZOTIST 6141 4253	CW	(WP3)
<b>M32</b>	4-4	0953	Mon	7853	XXX XXX WEGI WEGI 84519 80037 01458 TRU-DOCHTYK 5991 7161	CW	(WP3)
<b>M32</b>	4-4	1709	Mon	5263	XXX 9N8A 7512 1955 7512 1955 K	CW	(JPL-Sib)
<b>M32</b>	4-4	1728	Mon	7964	WJKS DE 7FDS K. R K. TOW5 DE 7FDS K	CW	(JPL-Sib)
<b>M32</b>	5-4	1820	Tue	5263	9N8E DE 7RTN XXX XXX 9N8E 9N 681 039 877 039 764 039 697 166 165 681 039 877 681 165 091 863 560 832 966 147 K	CW	(JPL-Sib)
<b>M32</b>	6-4	1454	Wed	5397	DE JSKA K. JSKA DE BIIB K. JSKA QSA ? K. BIIB DE JSKA K	CW	(JPL-Sib)
<b>M32</b>	6-4	1722	Wed	7651	PRAT DE LKDW K	CW	(JPL-Sib)
<b>M32</b>	7-4	1045	Thu	8130	RDL 15714 52130 15714 52130 15714 52130 K	CW	(JPL-Sib)
<b>M32</b>	10-4	0829	Sun	8512	KVDN (x3) QTC AR. KVDN 630 27 10 1125 630 = 784 = 11111 126.8 59727 13073 60143 10351 57421 ...	CW	(JPL-Sib)
<b>M32</b>	10-4	0833	Sun	11465	XXX XXX WEGI WEGI 88686 .....	CW	(F4LKC)
<b>M32</b>	10-4	1827	Sun	3345	6K5B DE ATV2 K (QSX: 3365 kHz)	CW	(JPL-Sib)
<b>M32</b>	10-4	1828	Sun	3365	9CF9 DE 6K5B K. 9CF9 DE 6K5B K. R K (QSX: 3345 kHz)	CW	(JPL-Sib)
<b>M32</b>	10-4	2102	Sun	4379	XXX XXX P79N P79N MJUR MJUR ....	CW	(F4LKC)
<b>M32</b>	11-4	1540	Mon	3598	XXX XXX WEOA WEOA 82952 IWANOWSKIJ 70371080 K	CW	(JPL-Sib)
<b>M32</b>	11-4	1541	Mon	3525	4H5X DE CWNG K. QFGG DE CWNG K. CWNG QSA ? K. R K	CW	(JPL-Sib)
<b>M32</b>	12-4	1048	Tue	8997	ELGQ DE IZGI QTC AR ELGQ DE IZGI QTC = 001 33 12 1646 001 = 061 = 11111 56423 18975 64238 28574 ...	CW	(JPL-Sib)
<b>M32</b>	13-4	1752	Wed	3379	THBD OK ZBS K. R K. PTSI DE 5LNK ZBS ZBS K. PTSI DE 5LNK ZBS ZBS K. RTSI OK ZBS K. R K	CW	(JPL-Sib)
<b>M32</b>	14-4	1000	Thu	4059.5	XXX XWPR 32605 KENTUKKI 7519 K	CW	(F5JBR)
<b>M32</b>	14-4	1650	Thu	3829	XXX WEGI 81020 ULOWODER 3028 3195 K	CW	(F5JBR)
<b>M32</b>	14-4	1735	Thu	3348	XXX WEGI 74770 ZAPOROVSKIJ 2630 8030 K	CW	(F5JBR)
<b>M32</b>	14-4	1735	Thu	3829	XXX WEGI 74770 ZAPOROVSKIJ 2630 8030 K	CW	(F5JBR)
<b>M32</b>	15-4	1821	Fri	3194	CWNG DE SJH8 QSV K	CW	(JPL-Sib)
<b>M32</b>	18-4	1530	Mon	8529	XXX WEGI 70498 FUKSOWERH 6511 8140 K //6771	CW	(F5JBR)
<b>M32</b>	18-4	1537	Mon	8529	XXX WEGI 65127 DAMPOTYN 3713 2956 //6771	CW	(F5JBR)
<b>M32</b>	18-4	1539	Mon	8529	XXX WLHN 47304 98755 82059 BLATNOJ 0023 8438 K //6771	CW	(F5JBR)
<b>M32</b>	18-4	1539	Mon	8529	XXX WLHN 77716 83125 S6254 GACHICH 5326 7776 K //6771	CW	(F5JBR)
<b>M32</b>	18-4	1539	Mon	8529	XXXX G5CX F2ET 58022 60081 SITAR 8966 2421 K //6771	CW	(F5JBR)
<b>M32</b>	18-4	1545	Mon	8529	XXXX WLHN 47304 99974 82 BLATNOJ 002	CW	(F5JBR)
<b>M32</b>	18-4	1608	Mon	5240	XXX VUOZ 02359 BAROSER 6468 0733 K	CW	(F5JBR)
<b>M32</b>	18-4	1655	Mon	5514	XXX GXYI 77610 BAKOMULLX 0286 9122 K	CW	(F5JBR)
<b>M32</b>	18-4	1655	Mon	5693	R 77610 BAKOMULLX 0286 912 QDC 2055 K	CW	(F5JBR)
<b>M32</b>	18-4	1703	Mon	4591	XXX C1OB 58237 SNOSOZONT 6798 4050 K	CW	(F5JBR)
<b>M32</b>	20-4	0500	Wed	6956	RMW46 wkg RGT49, RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98	CW	(F5JBR)
<b>M32</b>	20-4	0500	Wed	7160	RMW32 wkg RGT49, RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98, RFN68, RFN73, RFN31, FRN76, RFN74, RFN67	CW	(F5JBR)
<b>M32</b>	20-4	0802	Wed	5830	RMW32 sending XXX LR43 95899 RAWNINA 0612 7655 540 K (Responding stations: RMW34, RMW36, RMW44, RMW46, RKL91	CW	(F5JBR)
<b>M32</b>	21-4	0928	Thu	6771	XXX WEGI 92650 INWERTOR 7449 4465 K //8529	CW	(F5JBR)

<b>M32</b>	21-4	0933	Thu	6771	XXX WEGI 16274 KOVEWNIK 8417 9778 K //8529	CW	(F5JBR)
<b>M32</b>	21-4	0935	Thu	6771	XXX WEGI 40664 TAZOMIRT 1704 9602 K //8529	CW	(F5JBR)
<b>M32</b>	21-4	0940	Thu	6771	XXX G5CX F2ET 37733 73975 REWOBAL 1588 2005 K	CW	(F5JBR)
<b>M32</b>	21-4	1051	Thu	6771	XXX WEGI 45128 84602 OOAGOPORT 8139 0905 K //8529	CW	(F5JBR)
<b>M32</b>	21-4	1116	Thu	6771	XXX WEGI 72126 SNOPOMRAC 4903 5271 K //8529	CW	(F5JBR)
<b>M32</b>	24-4	0304	Sun	4189	OIB3 = 842 28 24 0556 842 = ZFY 611 K	CW	(F5JBR)
<b>M32</b>	25-4	1713	Mon	4189	OIB3: XXX ZPMK 70292 POVATXE 0391 5981 K	CW	(F5JBR)
<b>M32</b>	25-4	1725	Mon	4189	OIB3: XXX ZPMK 36498 SAJTOSKOP 0101 2823 K	CW	(F5JBR)
<b>M32</b>	25-4	1735	Mon	4189	OIB3: XXX ZPMK 80195 PRIWRATNICA 2502 4238 K	CW	(F5JBR)
<b>M32</b>	25-4	1745	Mon	4189	OIB3: XXX ZPMK 09335 POSUDA 1471 3265 K	CW	(F5JBR)
<b>M32</b>	25-4	1751	Mon	4189	OIB3: XXX ZPMK 65266 LIFTOKUCH 1890 0006 K	CW	(F5JBR)
<b>M32</b>	27-4	0315	Wed	3750	RMW46: XXX RGR99 EZP 0909 0909 K	CW	(F5JBR)
<b>M32</b>	27-4	0324	Wed	3750	RMW46: XXX RGR99 GROZA 4545 6969 K	CW	(F5JBR)
<b>M32</b>	27-4	0331	Wed	3750	RMW46: XXX RGR99 BEG 0011 0022 K	CW	(F5JBR)
<b>M32</b>	29-4	0939	Fri	5432	XXX C1OB 78601 UDOBNYJ 0764 7450 K	CW	(F5JBR)
<b>M32a</b>	2-4	0703	Sat	12464	RIT de RHO62 QTC 231 37 2 0958 231 = FOR RJH45 RHH74 RJD38 = KKXX 02046 0600/ 73547 0112 88881 20000 ...	CW	(F5JBR)
<b>M32a</b>	2-4	1300	Sat	12464	RIT de RHO62 QTC 231 37 2 0958 231 = FOR RJH45 RHH74 RJD38 = KKHH 02046 1200/ 73646 01035 88881 20000 ...	CW	(F5JBR)
<b>M32a</b>	3-4	1933	Sun	4246	RLP81 RLP81 QSA ? K. VV RJH85 RJH85 DE RLP81 K. VVV RJH85 DE RLP81 QSA ? K	CW	(JPL-Sib)
<b>M32a</b>	5-4	1004	Tue	7602	i.p. 40015 00102 01824 40012 = RLO RLO RLO DE RIT RIT QTC 930 34 5 1257 930 = RADIO PROGNOZ 05046 63093 ...	CW	(JPL-Sib)
<b>M32a</b>	5-4	1835	Tue	7566	VVV RHM80 DE RCV QSA ? K. VVV RMPV DE RCV QSA ? K	CW	(JPL-Sib)
<b>M32a</b>	6-4	1050	Wed	10796	RAA SK RJD71 SK RJH57 DE RAA K. RJH57 K. RAA QYT 9 SK K. RJH57 OK QYT 9 SK	CW	(JPL-Sib)
<b>M32a</b>	7-4	1656	Thu	4941	DE RIQ88 QSL QRU SK K. OK QRU SK	CW	(JPL-POL)
<b>M32a</b>	10-4	0812	Sun	14556	RIW QTC K. VVV II II RIW 811 59 10 1035 811 = FM RAA = 70585 66196 37648 68008 ...	CW	(JPL-Sib)
<b>M32a</b>	10-4	0822	Sun	9145	RIW OK QRU K	CW	(JPL-Sib)
<b>M32a</b>	12-4	1207	Tue	12464	RCV DE RBES Russian Navy	CW	(F4LKC)
<b>M32a</b>	16-4	1856	Sat	5775	RIC87 DE RCV QTC 236 51 15 1925 236 = PRIP NOWOROSIJSK 205 KARTA ...	CW	(JPL-Sib)
<b>M32a</b>	18-4	1648	Mon	10535	XXX XXX WEGI WEGI 19757 30298 fangohr q 8173 6097 k	CW	(F5JBR)
<b>M32a</b>	19-4	1821	Tue	10543	RCV: Navy Sevastopol. RFX42 DE RCV QTC 591 103 19 2020 591 = 11111	CW	(PPA)
<b>M32a</b>	21-4	1952	Thu	5775	RIC87 RIC87 RIC87 DE RCV RCV QTC 229 5. 14 1918 229 = PRIP NOWOROSIJSK 200 KARTA 32103 ...	CW	(JPL-Sib)
<b>M32a</b>	24-4	1731	Sun	11155	XXX RLO 98490 KOBOLXD 0101 3194 K	CW	(F5JBR)
<b>M32a</b>	24-4	1801	Sun	5343	XXX RLO 75692 MANSOROT S 2256 4600 K	CW	(F5JBR)
<b>M32a</b>	25-4	0828	Mon	6994	RIT de RJP99 QTC 551 45 25 1125 551 = FOR RJH74 RJH45 = KKXX 25046 0800/ 16930 03330 ...	CW	(F5JBR)
<b>M32a</b>	25-4	0848	Mon	6994	RIT de RGL93 QTC 188 10 25 1830 188 = 83548 37448 14025 64736 03425 93742 31808 28503 ...	CW	(F5JBR)
<b>M32a</b>	25-4	1711	Mon	11155	RIT: XXX RLO 70292 POVATXE 0391 5981 K //5343 kHz	CW	(F5JBR)
<b>M32a</b>	25-4	1721	Mon	11155	RIT: XXX RLO 36498 SAJTOSKOP 0101 2823 K //5343 kHz	CW	(F5JBR)
<b>M32a</b>	25-4	1731	Mon	11155	RIT: XXX RLO 80195 PRIWRATNICA 2502 4238 K //5343 kHz	CW	(F5JBR)
<b>M32a</b>	25-4	1740	Mon	5343	RIT: XXX RLO 09335 POSUDA 1471 3265 K	CW	(F5JBR)
<b>M32a</b>	25-4	1750	Mon	5343	RIT: XXX RLO 65266 LIFTOKUCH 1890 0006 K	CW	(F5JBR)
<b>M32a</b>	27-4	1225	Wed	14556	XXX RIW OKWIR 84848 30174 01525 00222903343 03505 00142 01527 K	CW	(F5JBR)
<b>M32a</b>	27-4	1811	Wed	14556	XXX RIW OKWIR 84848 30174 01258 00111 14806 32418 03010 00777 11304 K	CW	(F5JBR)
<b>M32a</b>	29-4	0800	Fri	6449	XXX RLO 77777 62603 69143 43757 01100 00111 06937 03224 00431 01101 K	CW	(F5JBR)

<b>M32b</b>	29-4	1050	Fri	8816	rjf94 rjc38 de 08395 qto 1042 qrd XLAM XLAA qre 1215 qbd 18000 k - qql ULAV 1134 qbg 3800 k qre XLAM 1210 k - qqm XLAM 1212 sk	CW	(WP3)
<b>M32c</b>	4-4	0820	Mon	8029	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	6-4	0600	Wed	8029	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	12-4	0700	Tue	8029	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	12-4	1201	Tue	8029	W-markers: Tu-95MS Bear H net	CW	(JPL-Sib)
<b>M32c</b>	13-4	0720	Wed	8029	W-markers: Tu-95MS Bear H net	CW	(Tom)
<b>M32c</b>	18-4	1542	Mon	9495	REA4 = msg. XXX 1QRF 42260 RAMOBARK 7173 9451 K	CW	(F5JBR)
<b>M32c</b>	27-4	1041	Wed	10653	REA4 K	CW	(JPL-Sib)
<b>M41</b>	15-4	0828	Fri	5934	AYFM AYFM AR	CW	(F5JBR)
<b>M41</b>	16-4	0500	Sat	5880	K7H2 K7H2 K7H2 AR	CW	(F5JBR)
<b>M41</b>	29-4	1816	Fri	5881	4RVU 4RVU AR	CW	(F5JBR)
<b>M42</b>	4-4	1117	Mon	16090	ROP ROP ROP QSY 10160 QSY 10160	CW	(MCO)
<b>M42</b>	6-4	1407	Wed	9202	11100 30330 13574 06010 01009 QRU NIL SK	CW	(F5JBR)
<b>M42</b>	8-4	1434	Fri	7465	NCS wkg outstaians. Comms checks and msg: 1100 30330 12069 08030 01003	CW	(F5JBR)
<b>M42</b>	11-4	0808	Mon	13423	Russian diplo	CROWD-36	(PUK)
<b>M42b</b>	1-4	0506	Fri	5750	NT9P wkg K4MT. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	1-4	0816	Fri	6286	VKGO de CKSP QSY 49997 K	CW	(F5JBR)
<b>M42b</b>	1-4	0836	Fri	6276	CKSP wkg VKGO. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	6-4	0812	Wed	13922	3LSW wkg XN6O. Message in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	6-4	1521	Wed	20727	Russian KM3T/NT9P Net	FSK 50/500	(MCO)
<b>M42b</b>	6-4	1527	Wed	18562	Russian KM3T/NT9P Net	FSK 50/500	(MCO)
<b>M42b</b>	6-4	1531	Wed	16023	Russian KM3T/NT9P Net	FSK 50/500	(MCO)
<b>M42b</b>	7-4	1436	Thu	10352	Russian KM3T/NT9P Net. Messages in FSK 50/500. Opchat in CW: R 71714 71714 k. QRX 11258 QRX 11258 K	FSK 50/500	(CT)
<b>M42b</b>	9-4	1609	Sat	14876	Russian Inteligence K4MT/NT9P Net	FSK 50/500	(MCO)
<b>M42b</b>	9-4	1737	Sat	5158	SN7D de G5OP QLO 30 K	CW	(F5JBR)
<b>M42b</b>	9-4	1739	Sat	5128	G5OP wkg SN7D. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	10-4	0655	Sun	13390	RTK wkg RDI. GM QRU NIL SK	CW	(F5JBR)
<b>M42b</b>	10-4	1413	Sun	5451	LM7K wkg W9SP. Traffic in FSK, opchat in Morse: QRU NIL SK	CW	(F5JBR)
<b>M42b</b>	12-4	0621	Tue	5833	BFRW wkg WL4I. Message in FSK. Opchat in CW: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	12-4	0831	Tue	15720	RKO RKO QSA 3 K. NIL SK	CW	(F5JBR)
<b>M42b</b>	14-4	0030	Thu	13856	Russian intel. 778 150 24 0017 3018 = 5FGs =50= separator	FSK 50/500	(MCO)
<b>M42b</b>	15-4	0644	Fri	5254	UKNR wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	16-4	0445	Sat	5376	NCS wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK	CW	(F5JBR)
<b>M42b</b>	16-4	1647	Sat	7813	NCS wkg outstation. Message in FSK. Opchat in CW: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	18-4	1829	Mon	4618	SN7D wkg G5OP. Msg in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	23-4	1541	Sat	4911	Message in FSK, opchat in CW: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	25-4	0547	Mon	5921	WDZK wkg UOZG. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	26-4	1830	Tue	6841	J7PW wkg MI4A. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42b</b>	30-4	1631	Sat	6772	F8PW wkg P6OZ. Msg in FSK. Opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
<b>M42c</b>	1-4	1015	Fri	10177	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(AB)
<b>M42c</b>	1-4	1025	Fri	8076	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(AB)
<b>M42c</b>	1-4	1035	Fri	6974	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(AB)
<b>M42c</b>	2-4	1810	Sat	14517	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(AB)
<b>M42c</b>	2-4	1810	Sat	14517	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(HFD)
<b>M42c</b>	2-4	1820	Sat	12196	Russian diplo/intel. J5761 00000+++++++162	FSK 200/500	(HFD)



M42c	2-4	1820	Sat	12196	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	2-4	1830	Sat	10413	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(HFD)
M42c	2-4	1830	Sat	14828	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	4-4	1015	Mon	10177	Russian diplo/intel. =8611 55413437356350294 ... )730138324110000+++++259	FSK 200/500	(AB)
M42c	4-4	1025	Mon	8076	Russian diplo/intel. =8611 55413437356350294 ... )730138324110000+++++259	FSK 200/500	(AB)
M42c	4-4	1035	Mon	6974	Russian diplo/intel. =8611 55413437356350294 ... )730138324110000+++++259	FSK 200/500	(AB)
M42c	5-4	1015	Tue	10177	Russian diplo/intel. =8291 454065307026885114 ... )57665 0000+++++++148	FSK 200/500	(AB)
M42c	5-4	1025	Tue	8076	Russian diplo/intel. =8291 454065307026885114 ... )57665 0000+++++++148	FSK 200/500	(AB)
M42c	5-4	1035	Tue	6974	Russian diplo/intel. =8291 454065307026885114 ... )57665 0000+++++++148	FSK 200/500	(AB)
M42c	6-4	1015	Wed	10177	Russian diplo/intel. =8101 125465133619961139=7852 ... )5761390000+++++++172	FSK 200/500	(AB)
M42c	6-4	1025	Wed	8076	Russian diplo/intel. =8101 125465133619961139=7852 ... )5761390000+++++++172	FSK 200/500	(AB)
M42c	6-4	1035	Wed	6974	Russian diplo/intel. =8101 125465133619961139=7852 ... )5761390000+++++++172	FSK 200/500	(AB)
M42c	7-4	1015	Thu	10177	Russian diplo/intel. =8181 45417549560840477 ... )57665 0000+++++++148 (2 msgs)	FSK 200/500	(AB)
M42c	7-4	1025	Thu	8076	Russian diplo/intel. =8181 45417549560840477 ... )57665 0000+++++++148 (2 msgs)	FSK 200/500	(AB)
M42c	7-4	1035	Thu	6974	Russian diplo/intel. =8181 45417549560840477 ... )57665 0000+++++++148 (2 msgs)	FSK 200/500	(AB)
M42c	8-4	1015	Fri	10177	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	8-4	1025	Fri	8076	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	8-4	1035	Fri	6974	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	9-4	1200	Sat	18206	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix/H FD)
M42c	9-4	1210	Sat	16159	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix/H FD)
M42c	9-4	1220	Sat	14551	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix/H FD)
M42c	9-4	1810	Sat	14517	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	9-4	1820	Sat	12196	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	9-4	1830	Sat	10413	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	11-4	1015	Mon	10177	Russian diplo/intel. =7901 18275921817580618 ... )581144+++++++91	FSK 200/500	(AB)
M42c	11-4	1025	Mon	8076	Russian diplo/intel. =7901 18275921817580618 ... )581144+++++++91	FSK 200/500	(AB)
M42c	11-4	1035	Mon	6974	Russian diplo/intel. =7901 18275921817580618 ... )581144+++++++91	FSK 200/500	(AB)
M42c	13-4	1015	Wed	10177	Russian diplo/intel. =7601 792113991778989187 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	13-4	1025	Wed	8076	Russian diplo/intel. =7601 792113991778989187 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	13-4	1035	Wed	6974	Russian diplo/intel. =7601 792113991778989187 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	14-4	1015	Thu	10177	Russian diplo/intel. =8491 16907717337677088 ... )73062 430930000+++++177 (2 msgs)	FSK 200/500	(AB)
M42c	14-4	1025	Thu	8076	Russian diplo/intel. =8491 16907717337677088 ... )73062 430930000+++++177 (2 msgs)	FSK 200/500	(AB)
M42c	14-4	1035	Thu	6974	Russian diplo/intel. =8491 16907717337677088 ... )73062 430930000+++++177 (2 msgs)	FSK 200/500	(AB)
M42c	15-4	1015	Fri	10177	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	15-4	1025	Fri	8076	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	15-4	1035	Fri	6974	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	16-4	1200	Sat	18206	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	16-4	1210	Sat	16159	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)

M42c	16-4	1220	Sat	14551	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	16-4	1810	Sat	14517	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	16-4	1820	Sat	12196	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	16-4	1830	Sat	10413	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	16-4	2100	Sat	20386	Russian diplo/intel. Null msg on link 32821	FSK 200/500	(Danix)
M42c	16-4	2110	Sat	18509	Russian diplo/intel. Null msg on link 32821	FSK 200/500	(Danix)
M42c	16-4	2120	Sat	16231	Russian diplo/intel. Null msg on link 32821	FSK 200/500	(Danix)
M42c	18-4	1015	Mon	10177	Russian diplo/intel. =8471 574238716662192182 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	18-4	1025	Mon	8076	Russian diplo/intel. =8471 574238716662192182 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	18-4	1035	Mon	6974	Russian diplo/intel. =8471 574238716662192182 ... )5761450000+++++++213	FSK 200/500	(AB)
M42c	19-4	1015	Tue	10177	Russian diplo/intel. =8571 678445186963242117 ... )58168 ++++++84 (2 msgs)	FSK 200/500	(AB)
M42c	19-4	1025	Tue	8076	Russian diplo/intel. =8571 678445186963242117 ... )58168 ++++++84 (2 msgs)	FSK 200/500	(AB)
M42c	19-4	1035	Tue	6974	Russian diplo/intel. =8571 678445186963242117 ... )58168 ++++++84 (2 msgs)	FSK 200/500	(AB)
M42c	20-4	1015	Wed	10177	Russian diplo/intel. =8611 94086923712990690 ... )581142+++++++125	FSK 200/500	(AB)
M42c	20-4	1025	Wed	8076	Russian diplo/intel. =8611 94086923712990690 ... )581142+++++++125	FSK 200/500	(AB)
M42c	20-4	1035	Wed	6974	Russian diplo/intel. =8611 94086923712990690 ... )581142+++++++125	FSK 200/500	(AB)
M42c	21-4	1015	Thu	10177	Russian diplo/intel. =8051 466470426489188158 ... )57659 0000+++++++203 (2 msgs)	FSK 200/500	(AB)
M42c	21-4	1025	Thu	8076	Russian diplo/intel. =8051 466470426489188158 ... )57659 0000+++++++203 (2 msgs)	FSK 200/500	(AB)
M42c	22-4	1015	Fri	10177	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/MPJ)
M42c	22-4	1025	Fri	8076	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	22-4	1035	Fri	6974	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	22-4	1035	Fri	6974	Russian diplo/intel. =8051 466470426489188158 ... )57659 0000+++++++203 (2 msgs)	FSK 200/500	(AB)
M42c	23-4	1200	Sat	18206	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/MPJ)
M42c	23-4	1210	Sat	16159	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	23-4	1220	Sat	14551	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB)
M42c	23-4	1810	Sat	14517	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	23-4	1820	Sat	12196	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	23-4	1830	Sat	10413	Russian diplo/intel. )5761 0000+++++++162	FSK 200/500	(AB/Danix)
M42c	25-4	1015	Mon	10177	Russian diplo/intel. =8051 85594684115362856 ... 641953291705040735 )5761370000+++++++174	FSK 200/500	(AB)
M42c	25-4	1025	Mon	8076	Russian diplo/intel. =8051 85594684115362856 ... 641953291705040735 )5761370000+++++++174	FSK 200/500	(AB)
M42c	25-4	1035	Mon	6974	Russian diplo/intel. =8051 85594684115362856 ... 641953291705040735 )5761370000+++++++174	FSK 200/500	(AB)
M42c	26-4	1015	Tue	10177	Russian diplo/intel. =8791 21698215765711289 ... =82061 02092520910000066 )58162 +++++++18	FSK 200/500	(AB)
M42c	26-4	1025	Tue	8076	Russian diplo/intel. =8791 21698215765711289 ... =82061 02092520910000066 )58162 +++++++18	FSK 200/500	(AB)
M42c	26-4	1035	Tue	6974	Russian diplo/intel. =8791 21698215765711289 ... =82061 02092520910000066 )58162 +++++++18	FSK 200/500	(AB)
M42c	27-4	1015	Wed	10177	Russian diplo/intel. =8551 173366994232664123 ... )753140534170000+++212	FSK 200/500	(AB)
M42c	27-4	1025	Wed	8076	Russian diplo/intel. =8551 173366994232664123 ... )753140534170000+++212	FSK 200/500	(AB)
M42c	27-4	1035	Wed	6974	Russian diplo/intel. =8551 173366994232664123 ... )753140534170000+++212	FSK 200/500	(AB)
M42c	28-4	1015	Thu	10177	Russian diplo/intel. =8251 1275051919472084 ... )71054 5506900000++++154	FSK 200/500	(AB)
M42c	28-4	1025	Thu	8076	Russian diplo/intel. =8251 1275051919472084 ... )71054 5506900000++++154	FSK 200/500	(AB)

M42c	28-4	1035	Thu	6974	Russian diplo/intel. =8251 1275051919472084 ... )71054 550690000+++++154	FSK 200/500	(AB)
M42c	29-4	1015	Fri	10177	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42c	29-4	1025	Fri	8076	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42c	29-4	1035	Fri	6974	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42c	30-4	1200	Sat	18206	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42c	30-4	1210	Sat	16159	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42c	30-4	1220	Sat	14551	Russian diplo/intel. )5761 00000+++++162	FSK 200/500	(AB)
M42d	1-4	0700	Fri	11054	Russian diplo/intel. Msg 185 on link 45136	FSK 200/1000	(AB)
M42d	1-4	0710	Fri	8189	Russian diplo/intel. Msg 185 on link 45136	FSK 200/1000	(AB)
M42d	1-4	0720	Fri	6952	Russian diplo/intel. Msg 185 on link 45136	FSK 200/1000	(AB/F5JBR)
M42d	3-4	1550	Sun	12213	Russian diplo/intel. Msg 135 on link 20501	FSK 200/1000	(AB)
M42d	4-4	0700	Mon	11054	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	4-4	0710	Mon	8189	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	4-4	0720	Mon	6952	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	4-4	1200	Mon	10388	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	4-4	1210	Mon	8084	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	4-4	1220	Mon	6780	Russian diplo/intel. Msg 215 on link 45137	FSK 200/1000	(AB)
M42d	5-4	0700	Tue	11054	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	0710	Tue	8189	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	0720	Tue	6952	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	1200	Tue	10388	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	1210	Tue	8084	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	1220	Tue	6780	Russian diplo/intel. Msg 217 on link 45136	FSK 200/1000	(AB)
M42d	5-4	1650	Tue	15658	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	5-4	1700	Tue	13395	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	5-4	1710	Tue	11036	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	6-4	0700	Wed	11054	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	0710	Wed	8189	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	0720	Wed	6952	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	0800	Wed	17496	Russian diplo/intel. Msg 007 on link 45075	FSK 200/1000	(AB)
M42d	6-4	0810	Wed	15829	Russian diplo/intel. Msg 007 on link 45075	FSK 200/1000	(AB)
M42d	6-4	0820	Wed	13408	Russian diplo/intel. Msg 007 on link 45075	FSK 200/1000	(AB)
M42d	6-4	1200	Wed	10388	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	1210	Wed	8084	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	1220	Wed	6780	Russian diplo/intel. Msg 222 on link 45136	FSK 200/1000	(AB)
M42d	6-4	1230	Wed	18476	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
M42d	6-4	1240	Wed	16168	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
M42d	6-4	1250	Wed	14643	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
M42d	7-4	0700	Thu	11054	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	0710	Thu	8189	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	0720	Thu	6952	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	1200	Thu	10388	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	1210	Thu	8084	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	1220	Thu	6780	Russian diplo/intel. Msg 225 on link 45136	FSK 200/1000	(AB)
M42d	7-4	1330	Thu	15951	Russian diplo/intel. Msg 135 on link 49237	FSK 200/1000	(AB)
M42d	7-4	1340	Thu	13506	Russian diplo/intel. Msg 135 on link 49237	FSK 200/1000	(AB)
M42d	7-4	1350	Thu	11483	Russian diplo/intel. Msg 135 on link 49237	FSK 200/1000	(AB)
M42d	8-4	0700	Fri	11054	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
M42d	8-4	0710	Fri	8189	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
M42d	8-4	0720	Fri	6952	Russian diplo/intel. Msg 192 on link 45136	FSK 200/1000	(AB)
M42d	9-4	0800	Sat	16260	Russian diplo/intel. Msg 002 on link 45114	FSK 200/1000	(AB/Danix)
M42d	9-4	0810	Sat	14370	Russian diplo/intel. Msg 002 on link 45114	FSK 200/1000	(AB/Danix)
M42d	9-4	0820	Sat	12153	Russian diplo/intel. Msg 002 on link 45114	FSK 200/1000	(AB/Danix)
M42d	9-4	0900	Sat	17481	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix)
M42d	9-4	0910	Sat	15946	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix/F 5JBR)
M42d	9-4	0920	Sat	13543	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix/F 5JBR)
M42d	9-4	1100	Sat	17463	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	9-4	1110	Sat	15648	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	9-4	1120	Sat	13425	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	9-4	2100	Sat	20386	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)
M42d	9-4	2110	Sat	18509	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)

<b>M42d</b>	9-4	2120	Sat	16231	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)
<b>M42d</b>	9-4	2130	Sat	20589	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)
<b>M42d</b>	9-4	2140	Sat	18371	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)
<b>M42d</b>	9-4	2150	Sat	16108	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix-RUS)
<b>M42d</b>	10-4	0900	Sun	17481	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
<b>M42d</b>	10-4	0910	Sun	15946	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
<b>M42d</b>	10-4	0920	Sun	13543	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
<b>M42d</b>	10-4	1530	Sun	16357	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	10-4	1540	Sun	14374	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	10-4	1550	Sun	12213	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	11-4	1200	Mon	10388	Russian diplo/intel. Msg 230 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	11-4	1210	Mon	8084	Russian diplo/intel. Msg 230 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	11-4	1220	Mon	6780	Russian diplo/intel. Msg 230 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	12-4	0700	Tue	11054	Russian diplo/intel. Msg 232 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	12-4	0710	Tue	8189	Russian diplo/intel. Msg 232 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	12-4	0720	Tue	6952	Russian diplo/intel. Msg 232 on link 45136	FSK 200/1000	(AB/F5JBR)
<b>M42d</b>	12-4	1410	Tue	18469	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
<b>M42d</b>	12-4	1420	Tue	16309	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
<b>M42d</b>	12-4	1650	Tue	15658	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	12-4	1700	Tue	13395	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	12-4	1710	Tue	11036	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0700	Wed	11054	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0710	Wed	8189	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0720	Wed	6952	Russian diplo/intel. Msg 237 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0800	Wed	17496	Russian diplo/intel. Msg 042 on link 45075	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0810	Wed	15829	Russian diplo/intel. Msg 042 on link 45075	FSK 200/1000	(AB)
<b>M42d</b>	13-4	0820	Wed	13408	Russian diplo/intel. Msg 042 on link 45075	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1200	Thu	10388	Russian diplo/intel. Msg 240 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1210	Thu	8084	Russian diplo/intel. Msg 240 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1220	Thu	6780	Russian diplo/intel. Msg 240 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1330	Thu	15951	Russian diplo/intel. Msg 057 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1340	Thu	13506	Russian diplo/intel. Msg 057 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	14-4	1350	Thu	11483	Russian diplo/intel. Msg 057 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	15-4	0700	Fri	11054	Russian diplo/intel. Msg 210 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	15-4	0710	Fri	8189	Russian diplo/intel. Msg 210 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	15-4	0720	Fri	6952	Russian diplo/intel. Msg 210 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	16-4	1100	Sat	17463	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
<b>M42d</b>	16-4	1110	Sat	15648	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
<b>M42d</b>	16-4	1120	Sat	13425	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
<b>M42d</b>	17-4	1530	Sun	16357	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	17-4	1540	Sun	14374	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	17-4	1550	Sun	12213	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	18-4	0410	Mon	8184	Russian diplo/intel. Link ID 45079, Date 15th, Serial #13: 1be9 b017 2a80 9620 8af7 ...	FSK 200/1000	(AB)
<b>M42d</b>	18-4	0420	Mon	6773	Russian diplo/intel. Link ID 45079, Date 15th, Serial #13: 1be9 b017 2a80 9620 8af7 ...	FSK 200/1000	(AB)
<b>M42d</b>	18-4	0700	Mon	11054	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	18-4	0710	Mon	8189	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	18-4	0720	Mon	6952	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	18-4	1200	Mon	10388	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	18-4	1210	Mon	8084	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	18-4	1220	Mon	6780	Russian diplo/intel. Msg 245 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	19-4	0700	Tue	11054	Russian diplo/intel. Msg 247 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	19-4	0710	Tue	8189	Russian diplo/intel. Msg 247 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	19-4	0720	Tue	6952	Russian diplo/intel. Msg 247 on link 45137	FSK 200/1000	(AB)
<b>M42d</b>	19-4	1400	Tue	20574	Russian diplo/intel. Msg 102 on link 32799	FSK 200/1000	(Danix)
<b>M42d</b>	19-4	1410	Tue	18469	Russian diplo/intel. Msg 102 on link 32799	FSK 200/1000	(Danix)
<b>M42d</b>	19-4	1420	Tue	16311	Russian diplo/intel. Msg 102 on link 32799	FSK 200/1000	(AB/Danix)
<b>M42d</b>	19-4	1650	Tue	15658	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
<b>M42d</b>	19-4	1700	Tue	13395	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	19-4	1710	Tue	11036	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	19-4	2300	Tue	11124	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)



M42d	19-4	2310	Tue	9248	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)
M42d	19-4	2320	Tue	7946	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)
M42d	20-4	0700	Wed	11054	Russian diplo/intel. Msg 005 on link 45136	FSK 200/1000	(AB)
M42d	20-4	0710	Wed	8189	Russian diplo/intel. Msg 005 on link 45136	FSK 200/1000	(AB)
M42d	20-4	0720	Wed	6952	Russian diplo/intel. Msg 005 on link 45136	FSK 200/1000	(AB)
M42d	20-4	0800	Wed	17496	Russian diplo/intel. Msg 010 on link 45075	FSK 200/1000	(AB)
M42d	20-4	0810	Wed	15829	Russian diplo/intel. Msg 010 on link 45075	FSK 200/1000	(AB)
M42d	20-4	0820	Wed	13408	Russian diplo/intel. Msg 010 on link 45075	FSK 200/1000	(AB)
M42d	20-4	1420	Wed	16311	Russian diplo/intel.	FSK 200/1000	(AB)
M42d	20-4	2100	Wed	10636	Russian diplo/intel. Link ID 45079, Date 15th, Serial #13: 1be9 b017 2a80 9620 8af7 ...	FSK 200/1000	(AB)
M42d	20-4	2110	Wed	8163	Russian diplo/intel. Link ID 45079, Date 15th, Serial #13: 1be9 b017 2a80 9620 8af7 ...	FSK 200/1000	(AB)
M42d	20-4	2120	Wed	6854	Russian diplo/intel. Link ID 45079, Date 15th, Serial #13: 1be9 b017 2a80 9620 8af7 ...	FSK 200/1000	(AB)
M42d	21-4	0700	Thu	11054	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	0710	Thu	8189	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	0720	Thu	6952	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	1200	Thu	10388	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	1210	Thu	8084	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	1220	Thu	6780	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
M42d	21-4	1330	Thu	15951	Russian diplo/intel. Msg 027 on link 49237	FSK 200/1000	(AB)
M42d	21-4	1340	Thu	13506	Russian diplo/intel. Msg 027 on link 49237	FSK 200/1000	(AB)
M42d	21-4	1350	Thu	11483	Russian diplo/intel. Msg 027 on link 49237	FSK 200/1000	(AB)
M42d	22-4	0600	Fri	15991	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)
M42d	22-4	0610	Fri	13546	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)
M42d	22-4	0620	Fri	11161	Russian diplo/intel. Link ID 40988, Date 18th, Serial #67	FSK 200/1000	(Danix)
M42d	22-4	0700	Fri	11054	Russian diplo/intel. Msg 115 on link 45136	FSK 200/1000	(AB)
M42d	22-4	0710	Fri	8189	Russian diplo/intel. Msg 115 on link 45136	FSK 200/1000	(AB)
M42d	22-4	0720	Fri	6952	Russian diplo/intel. Msg 115 on link 45136	FSK 200/1000	(AB)
M42d	23-4	0800	Sat	16260	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB/Danix)
M42d	23-4	0820	Sat	14370	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB/Danix)
M42d	23-4	0840	Sat	12156	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB/Danix)
M42d	23-4	0900	Sat	17481	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix)
M42d	23-4	0910	Sat	15946	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix)
M42d	23-4	0920	Sat	13543	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB/Danix)
M42d	23-4	1100	Sat	17463	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	23-4	1110	Sat	15648	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	23-4	1120	Sat	13425	Russian diplo/intel. Msg 002 on link 36882	FSK 200/1000	(AB/Danix)
M42d	23-4	2100	Sat	20386	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	23-4	2110	Sat	18509	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	23-4	2120	Sat	16231	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	23-4	2130	Sat	20589	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	23-4	2140	Sat	18371	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	23-4	2150	Sat	16108	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(Danix)
M42d	24-4	0800	Sun	16260	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB)
M42d	24-4	0810	Sun	14370	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB)
M42d	24-4	0820	Sun	12153	Russian diplo/intel. Msg 072 on link 45114	FSK 200/1000	(AB)
M42d	24-4	0900	Sun	17481	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
M42d	24-4	0910	Sun	15946	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
M42d	24-4	0920	Sun	13543	Russian diplo/intel. Msg 205 on link 45057	FSK 200/1000	(AB)
M42d	24-4	1100	Sun	17463	Russian diplo/intel. Msg 117 on link 36882	FSK 200/1000	(AB)
M42d	24-4	1110	Sun	15648	Russian diplo/intel. Msg 117 on link 36882	FSK 200/1000	(AB)
M42d	24-4	1120	Sun	13425	Russian diplo/intel. Msg 117 on link 36882	FSK 200/1000	(AB)
M42d	24-4	1530	Sun	16357	Russian diplo/intel. Msg 135 on link 20501	FSK 200/1000	(AB)
M42d	24-4	1540	Sun	14374	Russian diplo/intel. Msg 135 on link 20501	FSK 200/1000	(AB)
M42d	24-4	1550	Sun	12213	Russian diplo/intel. Msg 135 on link 20501	FSK 200/1000	(AB)
M42d	25-4	0700	Mon	11054	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB)
M42d	25-4	0710	Mon	8189	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB)
M42d	25-4	0720	Mon	6952	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB)

<b>M42d</b>	25-4	1200	Mon	10388	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB/MPJ)
<b>M42d</b>	25-4	1210	Mon	8084	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	25-4	1220	Mon	6780	Russian diplo/intel. Msg 012 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	0700	Tue	11054	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	0710	Tue	8189	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	0720	Tue	6952	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1200	Tue	10388	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1210	Tue	8084	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1220	Tue	6780	Russian diplo/intel. Msg 015 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1400	Tue	20574	Russian diplo/intel. Null msg on link 32799	FSK 200/1000	(Danix)
<b>M42d</b>	26-4	1410	Tue	18469	Russian diplo/intel. Null msg on link 32799	FSK 200/1000	(Danix)
<b>M42d</b>	26-4	1420	Tue	16311	Russian diplo/intel. Null msg on link 32799	FSK 200/1000	(AB/Danix)
<b>M42d</b>	26-4	1605	Tue	13396	Russian diplo/intel. Link ID 28689, Date 26th, Serial #1	FSK 200/1000	(Danix)
<b>M42d</b>	26-4	1650	Tue	15658	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1700	Tue	13395	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	26-4	1710	Tue	11036	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0610	Wed	14722	Russian diplo/intel. Msg 155 on link 32817	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0620	Wed	12172	Russian diplo/intel. Msg 155 on link 32817	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0700	Wed	11054	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0710	Wed	8189	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0720	Wed	6952	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	27-4	0820	Wed	13406	Russian diplo/intel. Msg 010 on link 45075	FSK 200/1000	(AB)
<b>M42d</b>	27-4	1200	Wed	10388	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB/BvR)
<b>M42d</b>	27-4	1210	Wed	8084	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	27-4	1220	Wed	6780	Russian diplo/intel. Msg 020 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	27-4	2220	Wed	10201	Russian diplo/intel. Msg 002 on link 49202	FSK 200/1000	(AB)
<b>M42d</b>	28-4	0200	Thu	15626	Russian diplo/intel. Msg 98 on link 16405	FSK 200/1000	(Danix)
<b>M42d</b>	28-4	0610	Thu	14724	Russian diplo/intel.	FSK 200/1000	(AB)
<b>M42d</b>	28-4	0800	Thu	19138	Russian diplo/intel. Msg 98 on link 16405	FSK 200/1000	(Danix)
<b>M42d</b>	28-4	0810	Thu	17545	Russian diplo/intel. Msg 98 on link 16405	FSK 200/1000	(Danix)
<b>M42d</b>	28-4	1200	Thu	10388	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	28-4	1210	Thu	8084	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	28-4	1220	Thu	6780	Russian diplo/intel. Msg 022 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	28-4	1330	Thu	15951	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	28-4	1340	Thu	13506	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	28-4	1350	Thu	11483	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
<b>M42d</b>	29-4	0700	Fri	11054	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	29-4	0710	Fri	8189	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	29-4	0720	Fri	6952	Russian diplo/intel. Msg 007 on link 45136	FSK 200/1000	(AB)
<b>M42d</b>	30-4	1100	Sat	17463	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
<b>M42d</b>	30-4	1110	Sat	15648	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
<b>M42d</b>	30-4	1120	Sat	13425	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
<b>M51a</b>	1-4	1812	Fri	6825	5LGs + 5FGs	CW	(MPJ)
<b>M51a</b>	5-4	0332	Tue	3740.5	FAV22 Encrypted messages	CW	(F5JBR)
<b>M51a</b>	9-4	1638	Sat	6825	FAV22: French Morse Practice 1638 CW ... ujjve 45201 xbw hr syhfu ajlqo ... (Mixed 5LG/5FGs).	CW	(MPJ)
<b>M51a</b>	15-4	0438	Fri	3536	FAV22: French CSTEI Favieres/Vernon	CW	(F5JBR)
<b>M76</b>	1-4	1650	Fri	3280	YS4A YS4A YS4A DE RHOP RHOP QTC 259 30 = 26310 14984 91080 25640 82553 01644 32436 17.83 17860 10112 ...	CW	(BR)
<b>M76</b>	2-4	1650	Sat	3280	Barely audible	CW	(AB)
<b>M76</b>	4-4	1702	Mon	3280	i.p.	CW	(JPL-Sib)
<b>M76</b>	5-4	1650	Tue	3280	RUUT de NVSH QTC 271 29 = 26310 14934 91080 25641 56402 55409 64017 85992 09199 38565 ...	CW	(F5JBR)
<b>M76</b>	6-4	0400	Wed	3280	JLLK DE 4YHB QTC 272 32 = 26310 05044 91880 51540 86402 17409 64118 31785 99011 20919 ...	CW	(F5JBR)
<b>M76</b>	6-4	1650	Wed	3280	KJQQ DE L3TY QTC 274 28 = 26310 15044 91080 41564 01831 78599 01129 91993 85650 15836 ...	CW	(F5JBR)
<b>M76</b>	8-4	0400	Fri	3280	Y1N7 DE UI5E QTC 278 29 = 26310 04964 91080 04264 11831 78602 01120 93763 85649 36217 ...	CW	(F5JBR)
<b>M76</b>	8-4	1650	Fri	3280	Too weak to decode	CW	(AB)
<b>M76</b>	10-4	0400	Sun	3280	AWAA de UHW6 QTC 291 27 = 26310 05084 91080 41540 85411 78599 20926 83856 49341 36117 ...	CW	(F5JBR)

M76	14-4	0400	Thu	3280	8MJI DE 5VN9 QTC 304 38 = 26310 05124 11080 40864 10686 44256 11864 51831 98599 ...	CW	(F5JBR)
M76	29-4	1650	Fri	3280	QHH5 DE PGNR QTC 379 35 = 26310 15274 91080 ... 49991 5015X NNNNN = 366 36 = 5FGs = 000 30 = 5FGs AR	CW	(F5JBR)
M89	1-4	1232	Fri	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	1-4	1232	Fri	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	1-4	1235	Fri	4990	V YS5D (x3) DE IMNS (x2) sending YS5D vice YSHD	CW	(JPL)
M89	1-4	1838	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7692	CW	(JPL)
M89	1-4	1838	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	1-4	2157	Fri	5500	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
M89	1-4	2200	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7692	CW	(JPL)
M89	1-4	2200	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	1-4	2202	Fri	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	1-4	2202	Fri	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	2-4	1208	Sat	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	2-4	1208	Sat	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	2-4	1209	Sat	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3-4	1008	Sun	6985	i.p. N57N UA3N 3N67 A4N7 NU37 ... AR K. R RPT 09 K. R RPT	CW	(JPL)
M89	3-4	1226	Sun	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	3-4	1226	Sun	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3-4	1814	Sun	5500	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
M89	3-4	1820	Sun	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3-4	1820	Sun	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3-4	1830	Sun	4720	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3-4	1931	Sun	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	3-4	1931	Sun	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3-4	1939	Sun	5177	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3-4	1940	Sun	5500	V 7NPE (x3) DE QV5B (x2)	CW	(JPL)
M89	3-4	2130	Sun	4720	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3-4	2131	Sun	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	3-4	2131	Sun	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3-4	2133	Sun	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	3-4	2133	Sun	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	4-4	1220	Mon	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	4-4	1220	Mon	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4-4	1228	Mon	8888	i.p. 54NU TA35 7645 DAUT 3D36 ... AR	CW	(JPL)
M89	4-4	1234	Mon	5555	i.p. 43A7 6ANT D4TU AT7D AT34	CW	(JPL)
M89	4-4	1648	Mon	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4-4	1648	Mon	7602	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	4-4	1658	Mon	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	4-4	1658	Mon	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	4-4	1701	Mon	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4-4	1713	Mon	5678	i.p. UNND 5U4D 44U6 ... AR	CW	(JPL)
M89	4-4	1820	Mon	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4-4	1820	Mon	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4-4	1830	Mon	4720	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	5-4	0020	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	5-4	0020	Tue	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5-4	0026	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	5-4	0026	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5-4	1008	Tue	6845	CQ (x3) DE DP91(x2) V PSE ALL TO HR PSE ALL	CW	(JPL)
M89	5-4	1008	Tue	6845	i.p. R HR WR NR 10322 K. R K	CW	(JPL)
M89	5-4	1008	Tue	8858	CQ (x3) DE DP91 (x2) V CQ (x3) DE DP91(x2) V PSE ALL TO HR PSE ALL //6845	CW	(JPL)
M89	5-4	1020	Tue	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	5-4	1032	Tue	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5-4	1037	Tue	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	5-4	1037	Tue	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5-4	1049	Tue	4990	V YS5D (x3) DE IMNS (x2)	CW	(JPL)
M89	5-4	1120	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	5-4	1120	Tue	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5-4	1213	Tue	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)

M89	5-4	1214	Tue	5177	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5-4	1217	Tue	5515	i.p. TU34 4D63 34N. T56A 473. 4UA4 T455 T5U7 ...	CW	(JPL)
M89	5-4	1224	Tue	4990	V YS5D (x3) DE IMNS (x2)	CW	(JPL)
M89	5-4	1827	Tue	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	5-4	1827	Tue	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	5-4	1833	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	5-4	1833	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5-4	1840	Tue	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5-4	2320	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	6-4	0020	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	6-4	0020	Wed	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6-4	0025	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	6-4	0025	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6-4	1014	Wed	8888	i.p. RP RP RP RP M QQQQQQ K QQ QWERTY RP U U AS ?	CW	(JPL)
M89	6-4	1020	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	6-4	1020	Wed	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6-4	1024	Wed	5555	i.p. 3UA7 T365 6ND3 7D5T 3D6T 64A3 D4T6 7T53 AR	CW	(JPL)
M89	6-4	1045	Wed	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	6-4	1045	Wed	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6-4	1048	Wed	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6-4	1057	Wed	4990	V J3SU (x3) DE RTIB (x2) Note: Change in R/S callsigns.	CW	(JPL)
M89	6-4	1449	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	6-4	1449	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6-4	1452	Wed	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	6-4	1453	Wed	4990	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	6-4	1741	Wed	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	6-4	1741	Wed	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	7-4	1042	Thu	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	7-4	1042	Thu	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	7-4	1201	Thu	6450	i.p. 353D A763 U334 6TA. III AR AS AR AR	CW	(JPL)
M89	7-4	1219	Thu	5177	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7-4	1234	Thu	5544	V 74D334 (x3) DE 7UN439 (x2)	CW	(JPL)
M89	7-4	1241	Thu	4990	V J3SW (x3) DE RTIB (x2) Slight change in callsign	CW	(JPL)
M89	7-4	1244	Thu	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	7-4	1247	Thu	5383	i.p. 7336 A57N ADN4 35U6 U73D 4A43 ... AR QSY QSY 1EEEEEE QSY 10 K	CW	(JPL)
M89	7-4	1250	Thu	5321	i.p. 3AN3 ND5U DAUT 6D46 ... AR K (see N&O 223)	CW	(JPL)
M89	7-4	2125	Thu	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7-4	2125	Thu	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	7-4	2129	Thu	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	8-4	0013	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	8-4	0013	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	8-4	0016	Fri	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	8-4	0016	Fri	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	8-4	0043	Fri	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	8-4	0043	Fri	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	8-4	0959	Fri	8858	CQ (x3) DE DP91 (x2) V HR NIL GB (x4) SK GB //6845	CW	(JPL)
M89	8-4	1000	Fri	6845	CQ (x3) DE DP91 (x2) V //8858)	CW	(JPL)
M89	8-4	1019	Fri	4990	V YS5D (x3) DE IMNS (x2)	CW	(JPL)
M89	8-4	1415	Fri	4131	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
M89	8-4	1416	Fri	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	8-4	1419	Fri	5477	i.p. 775A 3N47 NDAD 4463 6N54 ... III III = = DDN3 5U.T 55U6 DADN A6A4 (Cont'd)	CW	(JPL)
M89	8-4	1424	Fri	4577	i.p. DT5D N5N5 65UD ... III = 2P GA = U753 U376 ...	CW	(JPL)
M89	8-4	1737	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	8-4	1737	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	8-4	1741	Fri	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	8-4	1741	Fri	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	8-4	1742	Fri	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	8-4	1912	Fri	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	8-4	1913	Fri	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	8-4	1913	Fri	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)



M89	9-4	1025	Sat	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	9-4	1025	Sat	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	9-4	1029	Sat	8888	i.p. N75U T4A5 U764 TTD4 5D43 7TTN ... Groups runned together	CW	(JPL)
M89	9-4	1644	Sat	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	9-4	1644	Sat	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	9-4	1646	Sat	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	9-4	1646	Sat	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	9-4	1705	Sat	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	9-4	1706	Sat	5133	i.p. 56T5 UT37 AR 3 K. R RPT 27W TO 28 W K	CW	(JPL)
M89	9-4	1718	Sat	5573	i.p. NAT5 5DU3 T7UA DA45 6NNU ... III AS AS AS R .. R GA K	CW	(JPL)
M89	9-4	1720	Sat	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	9-4	1720	Sat	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	9-4	1833	Sat	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	9-4	1833	Sat	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	9-4	1836	Sat	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	9-4	1836	Sat	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	9-4	1837	Sat	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	9-4	2105	Sat	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	9-4	2105	Sat	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	10-4	1647	Sun	3642	DKG6 de 3A7D V	CW	(F5JBR)
M89	11-4	1018	Mon	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	11-4	1020	Mon	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1022	Mon	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	11-4	1022	Mon	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	11-4	1025	Mon	4990	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	11-4	1228	Mon	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	11-4	1228	Mon	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	11-4	1229	Mon	4990	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	11-4	1230	Mon	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	11-4	1231	Mon	5177	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
M89	11-4	1234	Mon	5566	i.p. A635 U43A 74TN 4765 6T3A (see N&O 223)	CW	(JPL)
M89	11-4	1249	Mon	5566	AHRM AHRM DE MIIM MIIM R QSA 2 QSA ? K. R QSA 2 IEC GS AR K. R HR MSG GA K	CW	(JPL)
M89	11-4	1545	Mon	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	11-4	1545	Mon	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	11-4	1550	Mon	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	11-4	1550	Mon	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	11-4	1551	Mon	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	11-4	1553	Mon	4990	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	11-4	1555	Mon	5555	i.p. 7D3A 5TN3 735T 7TA5 67UA 3NAT III III= U6AT 4D5T AN4... III = 467A 7645 AN4T ...	CW	(JPL)
M89	12-4	0017	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	12-4	0017	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	12-4	1039	Tue	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	12-4	1044	Tue	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	12-4	1044	Tue	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	12-4	1202	Tue	4990	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	12-4	1204	Tue	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	12-4	1204	Tue	5177	V JKDJ (x3) DE SLBC (x2) //11460	CW	(JPL)
M89	12-4	1204	Tue	11460	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	12-4	1541	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	12-4	1541	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	12-4	1543	Tue	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	12-4	1545	Tue	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	12-4	1545	Tue	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	12-4	2009	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	12-4	2009	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	12-4	2010	Tue	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	12-4	2010	Tue	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	13-4	1128	Wed	10180	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	13-4	1129	Wed	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	13-4	1551	Wed	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)

M89	13-4	1743	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	13-4	1743	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	14-4	1047	Tue	10180	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	14-4	1403	Tue	3642	i.p. 5TD3 4753 3646 U65T DTUT 3D5N ... III = TA7D 7TDN ATAU A7T6 ... AR QSL? HR WK NR 230 //7602	CW	(JPL)
M89	14-4	1403	Tue	7602	i.p. 5TD3 4753 3646 U65T DTUT 3D5N ... III = TA7D 7TDN ATAU A7T6 ... AR QSL? HR WK NR 230 //3642	CW	(JPL)
M89	14-4	1417	Tue	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	15-4	0958	Fri	5801	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	15-4	1058	Fri	10180	V DKG6 (x3) DE 3A7D (x2) SVC/COMM message	CW	(JPL)
M89	15-4	1533	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	15-4	1533	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	15-4	1824	Fri	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	16-4	0826	Sat	10180	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	16-4	1158	Sat	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	16-4	1158	Sat	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	16-4	1314	Sat	7602	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	16-4	1325	Sat	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	16-4	1737	Sat	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	16-4	1737	Sat	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	16-4	1740	Sat	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	16-4	1824	Sat	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	16-4	2330	Sat	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	17-4	1126	Sun	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	17-4	1127	Sun	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	17-4	1127	Sun	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	17-4	1606	Sun	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	17-4	1606	Sun	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	17-4	1617	Sun	3767	i.p. R WK NR 0046 K. R HR WK NR 0111 K. R HR NIL SK	CW	(JPL)
M89	17-4	2335	Sun	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	17-4	2335	Sun	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	18-4	1116	Mon	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	18-4	1119	Mon	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	18-4	1119	Mon	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	18-4	1320	Mon	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	18-4	1320	Mon	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //N/H	CW	(JPL)
M89	18-4	1320	Mon	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	18-4	1327	Mon	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	18-4	1327	Mon	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	18-4	1428	Mon	3642	i.p. HR 7G GA NR 023/CCK CK 99 19 0418 2230 RMKS ... //7602	CW	(JPL)
M89	18-4	2020	Mon	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	18-4	2023	Mon	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	18-4	2027	Mon	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	18-4	2027	Mon	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	18-4	2029	Mon	4131	V JKDJ (x3) DE SLBC (x2) //5177	CW	(JPL)
M89	18-4	2029	Mon	5177	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	18-4	2030	Mon	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	19-4	1155	Tue	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	19-4	1155	Tue	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	19-4	1412	Tue	7602	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	19-4	1435	Tue	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	19-4	1435	Tue	3741	i.p. NUAD 6TNT ADN3 ..	CW	(JPL)
M89	19-4	1444	Tue	3870	i.p. DA6U T4UD NA53 76NU ... III = 76T5 3DAN U47T 356A NUD4 ... III = 3.UN T5D6 7A4T D5A7 ...	CW	(JPL)
M89	19-4	2048	Tue	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	19-4	2359	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	19-4	2359	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	20-4	0001	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	20-4	0001	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	20-4	0937	Wed	11460	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	20-4	0939	Wed	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	20-4	0939	Wed	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	20-4	0957	Wed	8858	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)

M89	20-4	0958	Wed	6845	DP91 (x3) DE CQ (x2) V //6845	CW	(JPL)
M89	20-4	1120	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	20-4	1120	Wed	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	21-4	1434	Thu	7602	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	21-4	1616	Thu	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	21-4	1943	Thu	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	21-4	1943	Thu	7602	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	21-4	1947	Thu	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	21-4	2056	Thu	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	23-4	1818	Sat	7602	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	23-4	1819	Sat	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	23-4	1820	Sat	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	25-4	1859	Mon	4991	W3SU de RTIB V	CW	(F5JBR)
M89	26-4	0920	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	26-4	0920	Tue	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	26-4	0924	Tue	6666	i.p. 4UAN 3U3A 544U 446T 7D7T 763D ... III III = A3N3 DU45 73UA N7T3 7D73 ...	CW	(JPL)
M89	26-4	0930	Tue	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	26-4	0930	Tue	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	26-4	1008	Tue	4991	V W3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	26-4	1015	Tue	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	26-4	1015	Tue	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	26-4	1741	Tue	4131	JKDJ de SLBC V	CW	(F5JBR)
M89	26-4	1833	Tue	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	27-4	1031	Wed	5588	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	27-4	1039	Wed	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	27-4	1039	Wed	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	27-4	1505	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	27-4	1505	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	27-4	1512	Wed	5177	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	27-4	2323	Wed	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	27-4	2323	Wed	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	27-4	2327	Wed	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	28-4	0958	Thu	8858	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
M89	28-4	1504	Thu	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	28-4	1752	Thu	3330	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	28-4	1759	Thu	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	28-4	1800	Thu	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	28-4	1803	Thu	4322	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	28-4	2016	Thu	3330	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	28-4	2017	Thu	3642	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	28-4	2020	Thu	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	29-4	1001	Fri	8858	DP91 (x3) DE CQ (x2) V HR NIL SK GB //6846	CW	(JPL)
M89	29-4	1010	Fri	5801	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	29-4	1010	Fri	10180	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	29-4	1120	Fri	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	29-4	1120	Fri	10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	29-4	1123	Fri	5588	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	29-4	1212	Fri	3330	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	29-4	1347	Fri	3330	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	29-4	1710	Fri	3330	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	29-4	1714	Fri	3642	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	29-4	1714	Fri	7602	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	29-4	1715	Fri	4131	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M95	1-4	1144	Fri	8073	i.p. AR 7G AGN NR NR 028. CK 16. 35 0401 1516 = TT. 3.6 3AN ...	CW	(JPL-Sib)
M95	1-4	1147	Fri	4243	VVV HR MSG TOYR PSE CY NR 077 CK 34 35 0401 1518 = 5DU TTT TA4 U67 TAN 443 A43 ... //9054 kHz	CW	(JPL-Sib)
M95	1-4	1147	Fri	9054	VVV HR MSG TOYR PSE CY NR 077 CK 34 35 0401 1518 = 5DU TTT TA4 U67 TAN 443 A43 ... //4243 kHz	CW	(JPL-Sib)
M95	2-4	1135	Sat	8073	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0287 CK 165 35 0402 1538 = TTU 3U6 3AN 3U7 TAU 773 TA7 773 ...	CW	(JPL-Sib)
M95	2-4	1154	Sat	4243	i.p. //9054 kHz	CW	(JPL-Sib)
M95	2-4	1154	Sat	4243	i.p. TT5 773 5..	CW	(JPL-Sib)

M95	2-4	1154	Sat	9054	i.p. //4243 kHz	CW	(JPL-Sib)
M95	2-4	1212	Sat	7163	i.p. RMKS = T5T5 35DU 6U7N 46NA 6D5U ND4U T764 56DU TU4U TTA5 N736 ...	CW	(JPL-Sib)
M95	5-4	0004	Tue	8073	V BNGC (x3) DE XSV85 (x2) NR 0292 CK 123 35 0405 0719 = TT5 3U4 3A4 TAU 773 357 373 ...	CW	(JPL-HK)
M95	5-4	1117	Tue	5555	i.p. 05 05 05 R K	CW	(JPL-HK)
M95	5-4	1136	Tue	8073	V BNGC (x3) DE XSV85 (x2) HR 7G GA NR 0293 CK 203 35 0405 1548 = TT5 4U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	5-4	1143	Tue	4243	VVV HR MSG TOYR PSE CY NR 085 CK 19 35 0405 1500 = 5TD UTT TT5 3U6 3A4 357 TTD 37U 4TN ... //9054 kHz	CW	(JPL-HK)
M95	5-4	1143	Tue	9054	VVV HR MSG TOYR PSE CY NR 085 CK 19 35 0405 1500 = 5TD UTT TT5 3U6 3A4 357 TTD 37U 4TN ... //4243 kHz	CW	(JPL-HK)
M95	5-4	1217	Tue	5555	i.p. 374U A465 C	CW	(JPL-HK)
M95	5-4	2346	Tue	9054	V HR MSG TOYR PSE CY NR 040 CK 21 35 0406 0.23 =	CW	(JPL-HK)
M95	6-4	0008	Wed	8073	i.p/ AR MSG AGN NR 294 CK 124 35 0406 0714 = T74 U43 A4T ... AR	CW	(JPL-HK)
M95	6-4	1134	Wed	8073	V BNGC (x3) DE XSV85 (x2) 7G GA PSE CY NR 0295 CK 140 35 0406 1542 = TT6 3U6 3U. 3U7 TAU 773 ...	CW	(JPL-HK)
M95	7-4	1149	Thu	4243	V HR 7G TOYR PSE CY NR 14 CK 155 35 0407 1558 = UTU TT7 3U6 3A4 TTU 773 35A ... //9054 kHz	CW	(JPL-HK)
M95	7-4	1149	Thu	9054	V HR 7G TOYR PSE CY NR 14 CK 155 35 0407 1558 = UTU TT7 3U6 3A4 TTU 773 35A ... //4243 kHz	CW	(JPL-HK)
M95	7-4	1220	Thu	5197	3U6A T4D7 NU65 43A5 T54D 7TU4 ... III III III 05 05 05 05 = 63UA 74D. D645 NT43 ...	CW	(JPL-HK)
M95	7-4	2342	Thu	9054	V Hr MSG GA GN CY NR 136 .. 9 3. 0408 0556 = TTD 3U4 ...	CW	(JPL-HK)
M95	8-4	0004	Fri	8073	V BNGC (x3) DE XSV85 (x2)	CW	(JPL-Sib)
M95	8-4	2350	Fri	9054	i.p. 773 35A AA3 4AN ... AR	CW	(JPL-Sib)
M95	10-4	1147	Sun	8073	XSV85	CW	(JPL-Sib)
M95	10-4	1150	Sun	4243	434 3DA TTU TT3 773 446 3D3 4D3 75D 4DU AR //9054kHz	CW	(JPL-Sib)
M95	10-4	1150	Sun	9054	434 3DA TTU TT3 773 446 3D3 4D3 75D 4DU AR //4243 kHz	CW	(JPL-Sib)
M95	12-4	0001	Tue	9054	AR A HR 7G GA NR 23 CK 096 35 0412 0524 = UTU TAU 3U4 3A4 TTA TT3 ...	CW	(JPL-Sib)
M95	12-4	1139	Tue	8073	V BNGC (x3) DE XSV85 (x2) NR 00307 CK 241 35 0412 1616 = .3U6 3AN 3U7 T.U 773 354 374 ...	CW	(JPL-Sib)
M95	12-4	1145	Tue	4243	V A HR ... CY NR 24 CK 141 35 0412 1531 = UTU TAU ... //9054 kHz	CW	(JPL-Sib)
M95	12-4	1145	Tue	9054	V A HR ... CY NR 24 CK 141 35 0412 1531 = UTU TAU ... //4243 kHz	CW	(JPL-Sib)
M95	14-4	1146	Thu	4243	VVV HR MSG TOYR PSE CY NR 003 CK 32 35 0414 1453 = 5TD UTT TT4 3U6 7TA N44 3A4 ... //9054 kHz	CW	(JPL-HK)
M95	14-4	1146	Thu	9054	VVV HR MSG TOYR PSE CY NR 003 CK 32 35 0414 1453 = 5TD UTT TT4 3U6 7TA N44 3A4 ... //4243 kHz	CW	(JPL-HK)
M95	15-4	1148	Fri	9054	V 7G TOYR PSE CY NR 30 CK 17. 35 0415 1516 = UDU TA5 3UD 3A4 ... AR	CW	(JPL-HK)
M95	16-4	1200	Sat	9054	i.p. 773 354 373 N3D 353 ... AR AHR ... K	CW	(JPL-Sib)
M95	17-4	1149	Sun	9054	Messages	CW	(JPL-Sib)
M95	18-4	1147	Mon	9054	V TOYR PSE NR 36 CK .6. 35 0418 1623 = UTU TAD .U6 3.4 TTU 773 35A ...	CW	(JPL-HK)
M95	19-4	1152	Tue	9054	i.p.	CW	(JPL-Sib)
M95	20-4	1137	Wed	8073	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0424 CK .20 35 0420 1542 = TUT 3.. 3AN 3U7 TAU ... AR	CW	(JPL-HK)
M95	20-4	1154	Wed	4243	NR 40 CK 142 35 0420 1608 = TT. .U. 3.6 3A4 TTU 773 //9054 kHz	CW	(JPL-HK)
M95	20-4	1154	Wed	9054	NR 40 CK 142 35 0420 1608 = TT. .U. 3.6 3A4 TTU 773 //4243 kHz	CW	(JPL-HK)
M95	21-4	1136	Thu	8073	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0325 CK 223 35 0421 1550 = NK3 UNI 3AN 3U7 TAU ...	CW	(JPL-HK)
M95	21-4	1144	Thu	4243	V HR MSG TOYR PSE CY NR 42 CK 148 35 0421 1608 = UTU TU6 3A4 .TU 773 35A ... //9054 kHz	CW	(JPL-HK)

M95	21-4	1144	Thu	9054	V HR MSG TOYR PSE CY NR 42 CK 148 35 0421 1608 = UTU TU6 3A4 .TU 773 35A ... //4243 kHz	CW	(JPL-HK)
M95	27-4	1140	Wed	8073	i.p. 773 353 374 ...	CW	(JPL-HK)
M95	27-4	1145	Wed	4243	V HR MSG TOYR PSE CY NR 029 CK 17 35 0427 1518 = .TD ... 3U6 3A4 353 4TA ... AR //9054 kHz	CW	(JPL-HK)
M95	27-4	1145	Wed	9054	V HR MSG TOYR PSE CY NR 029 CK 17 35 0427 1518 = .TD ... 3U6 3A4 353 4TA ... AR //9054 kHz	CW	(JPL-HK)
M95	29-4	1139	Fri	8073	V BNGC (x3) DE XSV85 (x2) HR MSG GA NR 0341 CK 274 35 0429 1620 = .. 3U6 ..N 3U7 TAU 773 353 373 ...	CW	(JPL-HK)
M95	29-4	1140	Fri	9054	V HR MSG TOYR PSE CY NR 033 CK 23 35 0429 1516 = 5T. UTT TU. .U6 ... AR //4243 kHz	CW	(JPL-HK)
M97	1-4	1454	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB)
M97	7-4	1454	Thu	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB/qsr711)
M97	8-4	1454	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB/qsr711)
M97	14-4	1455	Thu	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(qsr711)
M97	15-4	1454	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB/qsr711)
M97	21-4	1456	Thu	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(qsr711)
M97	22-4	1455	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58 No V30 after it (rare).	CW	(qsr711)
M97	27-4	1454	Wed	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB)
M97	28-4	1500	Thu	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(qsr711)
M97	29-4	1454	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(AB)
M97	29-4	1557	Fri	10375	SO DIEN: 84 DK: HT HT HT SO NHOM: 58	CW	(qsr711)
MX	4-4	1835	Mon	8497.8	Beacon L, St. Petersburg	CW	(WP3)
MX	4-4	1902	Mon	5293.8	Beacon D, Sevastopol	CW	(WP3)
MX	5-4	1025	Tue	16332.3	Beacon K, Petropavlovsk Kamchatskiy	CW	(EW)
MX	5-4	1027	Tue	7039.3	Beacon K, Petropavlovsk Kamchatskiy	CW	(EW)
MX	9-4	1230	Sat	16331.7	Beacon D, Sevastopol	CW	(AB)
MX	9-4	1230	Sat	16331.9	Beacon S, Sevromorsk	CW	(AB)
MX	9-4	1230	Sat	16332	Beacon C, Moscow	CW	(AB)
MX	9-4	1233	Sat	13517.9	Beacon S, Sevromorsk	CW	(AB)
MX	9-4	1233	Sat	13527.7	Beacon D, Sevastopol	CW	(AB)
MX	9-4	1233	Sat	13528	Beacon C, Moscow	CW	(AB)
MX	9-4	1234	Sat	10871.7	Beacon D, Sevastopol	CW	(AB)
MX	9-4	1234	Sat	10871.9	Beacon S, Sevromorsk	CW	(AB)
MX	9-4	1234	Sat	10872	Beacon C, Moscow	CW	(AB)
MX	12-4	1250	Tue	16332.2	Beacon F, Vladivostok	CW	(F4LKC)
MX	19-4	1849	Tue	10872.2	Beacon F, Vladivostok	CW	(F4LKC)
MX	19-4	1850	Tue	10872.3	Beacon K, Petropavlovsk	CW	(F4LKC)
MX	24-4	1350	Sun	13528.2	Beacon F, Vladivostok	CW	(F4LKC)
POL	1-4	0530	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	1-4	0535	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	1-4	0655	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	1-4	0700	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	1-4	0815	Fri	11092	0446 00000	FSK 100/625	(AB)
POL	1-4	0820	Fri	11092	0446 00000	FSK 100/625	(AB)
POL	1-4	0900	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	1-4	0905	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	4-4	0800	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	4-4	0805	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	4-4	0845	Mon	9339	0353 88888 88888 06798 23655 13124 ... 81504 89241 49193 88888 88888 00042 00042	FSK 100/625	(AB)
POL	4-4	0850	Mon	9339	0353 88888 88888 06798 23655 13124 ... 81504 89241 49193 88888 88888 00042 00042	FSK 100/625	(AB)
POL	5-4	0900	Tue	7371	0554 00000	FSK 100/625	(AB)
POL	5-4	0905	Tue	7371	0554 00000	FSK 100/625	(AB)
POL	5-4	1150	Tue	9079	0325 00000	FSK 100/625	(AB)
POL	5-4	1155	Tue	9079	0325 00000	FSK 100/625	(AB)
POL	6-4	0845	Wed	9339	0353 88888 88888 06798 23655 13124 ... 81504 89241 49193 88888 88888 00042 00042	FSK 100/625	(AB)
POL	6-4	0850	Wed	9339	0353 88888 88888 06798 23655 13124 ... 81504 89241 49193 88888 88888 00042 00042	FSK 100/625	(AB)
POL	6-4	1150	Wed	9079	0325 00000	FSK 100/625	(AB)
POL	6-4	1155	Wed	9079	0325 00000	FSK 100/625	(AB)



POL	7-4	0630	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	7-4	0635	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	8-4	0655	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	8-4	0700	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	8-4	0815	Fri	11092	0446 88888 88888 15540 07809 42719 ... 70890 92121 65762 88888 88888 00034 00034	FSK 100/625	(AB)
POL	8-4	0820	Fri	11092	0446 88888 88888 15540 07809 42719 ... 70890 92121 65762 88888 88888 00034 00034	FSK 100/625	(AB)
POL	8-4	0900	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	8-4	0905	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	11-4	0800	Mon	6906	0434 88888 88888 34453 25097 52989 ... 89611 87435 18069 88888 88888 00034 00034	FSK 100/625	(AB)
POL	11-4	0805	Mon	6906	0434 88888 88888 34453 25097 52989 ... 89611 87435 18069 88888 88888 00034 00034	FSK 100/625	(AB)
POL	11-4	0845	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	11-4	0850	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	12-4	0630	Tue	10728	0574 00000	FSK 100/625	(AB)
POL	12-4	0635	Tue	10728	0574 00000	FSK 100/625	(AB)
POL	12-4	0655	Tue	10246	0684 00000	FSK 100/625	(AB)
POL	12-4	0700	Tue	10246	0684 00000	FSK 100/625	(AB)
POL	13-4	0845	Wed	9339	0353 00000	FSK 100/625	(AB)
POL	13-4	0850	Wed	9339	0353 00000	FSK 100/625	(AB)
POL	13-4	1150	Wed	9079	0325 00000	FSK 100/625	(AB)
POL	13-4	1155	Wed	9079	0325 00000	FSK 100/625	(AB)
POL	14-4	0630	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	14-4	0635	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	14-4	0800	Thu	6906	0434 88888 88888 34453 25097 52989 ... 89611 87435 18069 88888 88888 00034 00034	FSK 100/625	(AB)
POL	14-4	0805	Thu	6906	0434 88888 88888 34453 25097 52989 ... 89611 87435 18069 88888 88888 00034 00034	FSK 100/625	(AB)
POL	15-4	0530	Fri	16005	0453 88888 88888 19361 15574 90447 ... 29543 38303 72481 88888 88888 0044 00044	FSK 100/625	(AB)
POL	15-4	0535	Fri	16005	0453 88888 88888 19361 15574 90447 ... 29543 38303 72481 88888 88888 0044 00044	FSK 100/625	(AB)
POL	15-4	0655	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	15-4	0700	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	15-4	0900	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	15-4	0905	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	18-4	0800	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	18-4	0800	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	18-4	0805	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	18-4	0805	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	19-4	0630	Tue	10728	0574 00000	FSK 100/625	(AB)
POL	19-4	0635	Tue	10728	0574 00000	FSK 100/625	(AB)
POL	19-4	0655	Tue	10246	0684 00000	FSK 100/625	(AB)
POL	19-4	0700	Tue	10246	0684 00000	FSK 100/625	(AB)
POL	19-4	0730	Tue	14753	0433 00000	FSK 100/625	(AB)
POL	19-4	0735	Tue	14753	0433 00000	FSK 100/625	(AB)
POL	19-4	0900	Tue	7371	0554 00000	FSK 100/625	(AB)
POL	19-4	0905	Tue	7371	0554 00000	FSK 100/625	(AB)
POL	19-4	1150	Tue	9079	0325 88888 88888 87890 62027 46747 ... 52362 12230 28233 88888 88888 00034 00034	FSK 100/625	(AB)
POL	19-4	1155	Tue	9079	0325 88888 88888 87890 62027 46747 ... 52362 12230 28233 88888 88888 00034 00034	FSK 100/625	(AB)
POL	20-4	0530	Wed	16005	0453 00000	FSK 100/625	(AB)
POL	20-4	0535	Wed	16005	0453 00000	FSK 100/625	(AB)
POL	20-4	0845	Wed	9339	0353 00000	FSK 100/625	(AB)
POL	20-4	0850	Wed	9339	0353 00000	FSK 100/625	(AB)
POL	20-4	1150	Wed	9079	0325 88888 88888 87890 62027 46747 ... 52362 12230 28233 88888 88888 00034 00034	FSK 100/625	(AB)
POL	20-4	1155	Wed	9079	0325 88888 88888 87890 62027 46747 ... 52362 12230 28233 88888 88888 00034 00034	FSK 100/625	(AB)
POL	21-4	0630	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	21-4	0635	Thu	10728	0574 00000	FSK 100/625	(AB)
POL	21-4	0730	Thu	14753	0433 00000	FSK 100/625	(AB)

POL	21-4	0735	Thu	14753	0433 00000	FSK 100/625	(AB)
POL	22-4	0530	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	22-4	0535	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	22-4	0655	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	22-4	0700	Fri	10246	0684 00000	FSK 100/625	(AB)
POL	22-4	0900	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	22-4	0905	Fri	7371	0554 00000	FSK 100/625	(AB)
POL	25-4	0800	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	25-4	0805	Mon	6906	0434 00000	FSK 100/625	(AB)
POL	25-4	0845	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	25-4	0850	Mon	9339	0353 00000	FSK 100/625	(AB)
POL	26-4	0630	Tue	10728	0574 88888 88888 96622 07137 88101 ... 02844 79222 04684 88888 88888 00036 00036	FSK 100/625	(AB)
POL	26-4	0635	Tue	10728	0574 88888 88888 96622 07137 88101 ... 02844 79222 04684 88888 88888 00036 00036	FSK 100/625	(AB)
POL	26-4	0730	Tue	14753	0433 00000	FSK 100/625	(AB)
POL	26-4	0735	Tue	14753	0433 00000	FSK 100/625	(AB)
POL	26-4	0900	Tue	7371	0554 88888 88888 61609 44276 20059 ... 39093 93716 69568 88888 88888 00044 00044	FSK 100/625	(AB)
POL	26-4	0905	Tue	7371	0554 88888 88888 61609 44276 20059 ... 39093 93716 69568 88888 88888 00044 00044	FSK 100/625	(AB)
POL	26-4	1150	Tue	9079	0325 00000	FSK 100/625	(AB)
POL	26-4	1155	Tue	9079	0325 00000	FSK 100/625	(AB)
POL	26-4	1245	Tue	14972	0132 00000	FSK 100/625	(AB)
POL	26-4	1250	Tue	14972	0132 00000	FSK 100/625	(AB)
POL	27-4	0530	Wed	16005	0453 00000	FSK 100/625	(AB)
POL	27-4	0535	Wed	16005	0453 00000	FSK 100/625	(AB)
POL	27-4	1150	Wed	9079	0325 00000	FSK 100/625	(AB)
POL	27-4	1155	Wed	9079	0325 00000	FSK 100/625	(AB)
POL	27-4	1245	Wed	14972	0132 00000	FSK 100/625	(AB)
POL	27-4	1250	Wed	14972	0132 00000	FSK 100/625	(AB)
POL	28-4	0630	Thu	10728	0574 88888 88888 96622 07137 88101 ... 02844 79222 04684 88888 88888 00036 00036	FSK 100/625	(AB)
POL	28-4	0635	Thu	10728	0574 88888 88888 96622 07137 88101 ... 02844 79222 04684 88888 88888 00036 00036	FSK 100/625	(AB)
POL	28-4	0730	Thu	14753	0433 00000	FSK 100/625	(AB)
POL	28-4	0735	Thu	14753	0433 00000	FSK 100/625	(AB)
POL	28-4	0800	Thu	6906	0434 00000	FSK 100/625	(AB)
POL	28-4	0805	Thu	6906	0434 00000	FSK 100/625	(AB)
POL	29-4	0530	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	29-4	0535	Fri	16005	0453 00000	FSK 100/625	(AB)
POL	29-4	0655	Fri	10246	0684 88888 88888 09996 06934 64783 ... 50086 20099 43261 88888 88888 00034 00034	FSK 100/625	(AB)
POL	29-4	0700	Fri	10246	0684 88888 88888 09996 06934 64783 ... 50086 20099 43261 88888 88888 00034 00034	FSK 100/625	(AB)
POL	29-4	0900	Fri	7371	0554 88888 88888 61609 44276 20059 ... 39093 93716 69568 88888 88888 00044 00044	FSK 100/625	(AB)
POL	29-4	0905	Fri	7371	0554 88888 88888 61609 44276 20059 ... 39093 93716 69568 88888 88888 00044 00044	FSK 100/625	(AB)
Q26	1-4	1147	Fri	4232	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	1-4	1147	Fri	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	2-4	1134	Sat	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	2-4	1143	Sat	9054	Messages	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	5-4	0001	Tue	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	5-4	1130	Tue	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	5-4	1141	Tue	4243	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	5-4	1141	Tue	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)

<b>Q26</b>	5-4	2340	Tue	9054	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	6-4	1131	Wed	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	7-4	1146	Thu	4243	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	7-4	1146	Thu	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	8-4	0001	Fri	8073	Messages	4+4 QPSK 75/3000	(JPL-Sib)
<b>Q26</b>	12-4	1131	Tue	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-Sib)
<b>Q26</b>	12-4	1142	Tue	4243	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
<b>Q26</b>	12-4	1142	Tue	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
<b>Q26</b>	14-4	1141	Thu	4243	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	14-4	1141	Thu	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	15-4	1145	Fri	9054	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	17-4	1142	Sun	9054	Messages	4+4 QPSK 75/3000 LSB	(JPL-Sib)
<b>Q26</b>	18-4	1143	Mon	9054	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	20-4	1131	Wed	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	21-4	1130	Thu	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	21-4	1139	Thu	4243	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	21-4	1139	Thu	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	27-4	1144	Wed	4243	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	27-4	1144	Wed	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	29-4	1131	Fri	8073	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>Q26</b>	29-4	1142	Fri	9054	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
<b>RMv</b>	18-4	0910	Mon	6990	GORKA-94 clg SOUK-56	USB	(F5JBR)
<b>RMv</b>	19-4	0518	Tue	3548	PACTOL-78 clg VASAM-18	USB	(F5JBR)
<b>RMv</b>	19-4	1514	Tue	4970	BALTA-49 clg outstations	USB	(F5JBR)
<b>RMv</b>	20-4	0757	Wed	5833	9704 clg PODOROK-40	USB	(F5JBR)
<b>RMv</b>	20-4	0857	Wed	4980	MARTA-47 clg DENAWA-49	USB	(F5JBR)
<b>RMv</b>	20-4	1630	Wed	4250	GORKO-54 clg outstations	USB	(F5JBR)
<b>RMv</b>	20-4	1730	Wed	4966	KAPOT-37 clg GROUP-63	USB	(F5JBR)
<b>RMv</b>	21-4	0452	Thu	5058.5	PRAVA-71 clg outstations	USB	(F5JBR)
<b>RMv</b>	23-4	0711	Sat	6226	ARMADA-22 clg outstations	USB	(F5JBR)
<b>RMv</b>	23-4	1541	Sat	4404	KLAK-71 clg outstations	USB	(F5JBR)
<b>RMv</b>	27-4	0904	Wed	12737	VASHRAM clg outstations	USB	(F5JBR)
<b>RMv</b>	29-4	0715	Fri	6296.5	GRADIT-83 clg VOGAM-46, PARIS-91, BAROK-37	USB	(F5JBR)
<b>RMv</b>	30-4	0501	Sat	6015	ODEMAR-63 clg outstations	USB	(F5JBR)
<b>RNv</b>	20-4	1603	Wed	8267	BUKSOL: Russian Navy clg Outstations	USB	(F5JBR)
<b>RNv</b>	22-4	0557	Fri	3765	VESTNIK: Russian Navy, Kaliningrad (RMP) clg BRUSNIKA (RHM81)	USB	(F5JBR)
<b>RNv</b>	25-4	1215	Mon	5232	PRENIKO (RJQ71) clg VESTNIK (RMP)	USB	(F5JBR)
<b>RNv</b>	25-4	1907	Mon	6176	VESTNIK (RMP) clg STROGHI (RJC30)	USB	(F5JBR)
<b>RNv</b>	29-4	0835	Fri	4465	RDIASAT (RIQ97) clg VESTNIK (RMP)	USB	(F5JBR)
<b>RNv</b>	30-4	0630	Sat	4785	ARLADNIK (RME81) clg VESTNIK (RMP)	USB	(F5JBR)
<b>S06</b>	1-4	2000	Fri	6924	761 761 761 00000	USB	(AB)
<b>S06</b>	2-4	1900	Sat	4756	614 614 614 00000	USB	(AB/HFD)
<b>S06</b>	2-4	2000	Sat	4059	614 614 614 00000	USB	(AB/HFD)



S06	7-4	0930	Thu	16318	842 693 50 77813 65581 35517 ... 08165 74783 78798 693 50 00000	USB	(AB)
S06	12-4	0840	Tue	9463	GRU test. S06 voice: 801 801 801 00000	USB	(F5JBR)
S06	12-4	1000	Tue	9463	GRU test. S06 voice: 801 11111 11111 00050 00050 247 247 2 2 00000 11111 11111 (see N&O 223)	DSB	(PW2)
S06	12-4	1117	Tue	9463	GRU test. S06 voice. 801	DSB	(PW2)
S06	12-4	1130	Tue	9453	GRU test. S06 voice. 801 11111 11111 00065 00065 524 524 2 2 00000	DSB	(PW2)
S06	16-4	1900	Sat	4756	614 614 614 00000	USB	(PW2)
S06	16-4	2000	Sat	4059	614 614 614 00000	USB	(PW2)
S06	27-4	1503	Wed	9300	GRU test. S06 voice: 801 444 3 41483 38174 42826 444 3 801	USB	(PW2)
S06	27-4	1506	Wed	9300	GRU test. S06 voice: 801 311 15 41483 38174 42826 75280 92205 62465 36997 92833 51868 8619 ...	USB	(PW2)
S06	27-4	1508	Wed	8140	GRU test. S06 voice: 801 123 49 10350 91580 80192 ...	USB	(PW2)
S06	27-4	1522	Wed	7353	GRU test. S06 voice: 801 239 12 76924 26402 84457 41842 801 76924 26402 84457 41842 28481 93595 50831 95164 47571 79408 27861 78241 239 239 12 12 00000	USB	(PW2)
S06	28-4	2130	Thu	9123	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(Danix)
S06	28-4	2130	Thu	9123	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(PW2)
S06	28-4	2230	Thu	5918	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(PW2)
S06	28-4	2230	Thu	5918	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(Danix)
S06	29-4	2130	Fri	9123	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(PW2)
S06	29-4	2130	Fri	9123	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(Danix)
S06	29-4	2230	Fri	5918	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(Danix)
S06	29-4	2230	Fri	5918	726 901 53 72562 56770 32258 ... 29557 33571 14256 901 53 00000	USB	(PW2)
S06s	1-4	0930	Fri	12140	516 290 7 88620 58069 61732 74537 57440 10597 23521 290 7 00000	USB	(AB)
S06s	1-4	0940	Fri	13515	516 290 7 88620 58069 61732 74537 57440 10597 23521 290 7 00000	USB	(AB)
S06s	4-4	0830	Mon	9220	371 259 6 46062 68672 97478 39685 30485 96632 259 6 00000	USB	(AB)
S06s	4-4	0840	Mon	8270	371 259 6 46062 68672 97478 39685 30485 96632 259 6 00000	USB	(AB)
S06s	4-4	1210	Mon	11460	831 269 5 26634 14690 25590 60386 03009 269 5 00000	USB	(AB)
S06s	5-4	0600	Tue	15822	438 ...	USB	(AB)
S06s	5-4	0610	Tue	16485	438 ...	USB	(AB)
S06s	5-4	0715	Tue	6930	374 295 6 52701 63919 92699 33796 13577 74526 295 295 6 6 00000	USB	(PW2)
S06s	5-4	0740	Tue	11560	427 913 5 40614 77249 40678 17976 21816 913 5 00000	USB	(AB)
S06s	5-4	0800	Tue	11635	352 406 7 68090 46279 43828 55581 20044 52985 92006 406 7 00000	USB	(AB)
S06s	5-4	1000	Tue	6410	893 274 5 17099 94961 35826 65906 77233 274 5 00000	USB	(AB)
S06s	5-4	1010	Tue	7340	893 274 5 17099 94961 35826 65906 77233 274 5 00000	USB	(AB)
S06s	5-4	1110	Tue	7230	754 ...	USB	(AB)
S06s	5-4	1500	Tue	6464	537 820 6 45494 81983 98333 98121 46644 32443 820 6 00000	USB	(AB)
S06s	5-4	1510	Tue	7242	537 820 6 45494 81983 98333 98121 46644 32443 820 6 00000	USB	(AB)
S06s	6-4	0820	Wed	8630	471 850 6 39534 17228 15636 47891 23247 17099 850 6 00000	USB	(AB)

S06s	6-4	0830	Wed	9255	471 850 6 39534 17228 15636 47891 23247 17099 850 6 00000	USB	(AB)
S06s	6-4	0830	Wed	11530	745 218 6 33796 13577 74526 46647 79302 53516 218 6 00000	AM	(AB)
S06s	6-4	0840	Wed	12140	745 218 6 33796 13577 74526 46647 79302 53516 218 6 00000	AM	(AB)
S06s	6-4	1000	Wed	13365	729 546 8 65906 66610 20336 17301 88554 82045 84706 42227 546 8 00000	USB	(AB/F5JBR)
S06s	6-4	1010	Wed	14505	729 546 8 65906 66610 20336 17301 88554 82045 84706 42227 546 8 00000	USB	(AB)
S06s	7-4	0900	Thu	5744	624 570 8 52611 62856 45425 93561 04725 74516 83011 63812 570 8 00000	USB	(AB)
S06s	7-4	0900	Thu	12952	167 540 8 11161 64385 82707 06123 22536 88280 84116 53718 540 8 00000	AM	(AB)
S06s	7-4	0910	Thu	6524	624 570 8 52611 62856 45425 93561 04725 74516 83011 63812 570 8 00000	USB	(AB)
S06s	7-4	0910	Thu	13565	167 540 8 11161 64385 82707 06123 22536 88280 84116 53718 540 8 00000	AM	(AB)
S06s	7-4	0930	Thu	9081	314 506 7 73815 63662 41940 42715 62901 53622 52711 506 7 00000	USB	(AB)
S06s	7-4	0940	Thu	10514	314 506 7 73815 63662 41940 42715 62901 53622 52711 506 7 00000	USB	(AB)
S06s	7-4	1200	Thu	12415	425 879 6 73611 24186 04637 52649 52144 42618 879 6 00000	USB	(AB)
S06s	7-4	1210	Thu	14212	425 879 6 73611 24186 04637 52649 52144 42618 879 6 00000	USB	(AB)
S06s	8-4	0930	Fri	12140	516 290 6 88620 58069 61732 74537 57440 10597 23521 290 6 00000	AM	(AB)
S06s	8-4	0940	Fri	13515	516 290 6 88620 58069 61732 74537 57440 10597 23521 290 6 00000	AM	(AB)
S06s	11-4	0830	Mon	9220	371 259 6 46062 68672 97478 39685 30485 96632 259 6 00000	USB	(AB)
S06s	11-4	0840	Mon	8270	371 259 6 46062 68672 97478 39685 30485 96632 259 6 00000	USB	(AB)
S06s	11-4	0900	Mon	14580	872 430 5 21767 53672 11834 81022 36903 430 5 00000	USB	(AB)
S06s	11-4	0910	Mon	13165	872 430 5 21767 53672 11834 81022 36903 430 5 00000	USB	(AB)
S06s	13-4	0530	Wed	9296	464 290 5 45547 38082 39581 44356 37676 290 5 00000	USB	(AB)
S06s	13-4	0540	Wed	10365	464 290 5 45547 38082 39581 44356 37676 290 5 00000	USB	(AB)
S06s	13-4	0830	Wed	9255	471 850 6 39534 17228 15636 47891 23247 17099 850 6 00000	USB	(AB)
S06s	13-4	0830	Wed	11530	745 218 6 33796 13577 74526 46647 79302 53516 218 6 00000	USB	(AB)
S06s	13-4	0840	Wed	12140	745 218 6 33796 13577 74526 46647 79302 53516 218 6 00000	USB	(AB)
S06s	13-4	1000	Wed	13365	729 546 8 65906 66610 20336 17301 88554 82045 84706 42227 546 8 00000	USB	(AB/F5JBR)
S06s	13-4	1010	Wed	14505	729 546 8 65906 66610 20336 17301 88554 82045 84706 42227 546 8 00000	USB	(AB)
S06s	14-4	0900	Thu	12952	167 540 8 11161 64385 82707 06123 22536 88280 84116 53718 540 8 00000	USB	(AB)
S06s	14-4	0910	Thu	13565	167 540 8 11161 64385 82707 06123 22536 88280 84116 53718 540 8 00000	USB	(AB)
S06s	14-4	1200	Thu	12415	425 879 6 73611 24186 04637 52649 52144 42618 879 6 00000	USB	(AB)
S06s	14-4	1210	Thu	14212	425 879 6 73611 24186 04637 52649 52144 42618 879 6 00000	USB	(AB)
S06s	15-4	0930	Fri	12140	516 982 7 39746 37407 42648 82321 40945 49080 31476 982 7 00000	USB	(AB)
S06s	15-4	0940	Fri	13515	516 982 7 39746 37407 42648 82321 40945 49080 31476 982 7 00000	USB	(AB/F5JBR)
S06s	16-4	1900	Sat	4756	614 614 614 00000	USB	(AB)
S06s	16-4	2000	Sat	4059	614 614 614 00000	USB	(AB)

S06s	18-4	0910	Mon	13165	872 960 5 77588 43576 37780 410334 384?7 960 5 00000	USB	(AB)
S06s	18-4	1200	Mon	9145	831 907 5 38110 33279 44878 41528 87887 907 5 00000	USB	(AB)
S06s	18-4	1210	Mon	11460	831 907 5 38110 33279 44878 41528 87887 907 5 00000	USB	(AB)
S06s	19-4	0610	Tue	16485	438 965 6 80144 33965 43871 43498 34654 89083 965 6 00000	USB	(AB)
S06s	19-4	0715	Tue	6930	374 508 6 81630 73263 37109 29903 89159 53203 508 6 00000	USB	(AB)
S06s	19-4	0740	Tue	11560	427 513 6 19244 10276 97774 18538 98832 47769 513 6 00000	USB	(AB)
S06s	19-4	0800	Tue	11635	352 460 7 11909 44056 83104 55996 85756 99566 57801 460 7 00000	USB	(AB)
S06s	19-4	0810	Tue	10420	352 460 7 11909 44056 83104 55996 85756 99566 57801 460 7 00000	USB	(AB)
S06s	19-4	1000	Tue	6410	893 217 5 57914 99227 16046 11393 00359 217 5 00000	USB	(AB)
S06s	19-4	1010	Tue	7340	893 217 5 57914 99227 16046 11393 00359 217 5 00000	USB	(AB)
S06s	20-4	0530	Wed	9296	464 807 5 44831 37114 36448 43554 84584 807 5 00000	USB	(AB)
S06s	20-4	0540	Wed	10365	464 807 5 44831 37114 36448 43554 84584 807 5 00000	USB	(AB)
S06s	20-4	0820	Wed	8630	471 906 5 40680 34932 82235 33617 36923 906 5 00000	USB	(AB)
S06s	20-4	0830	Wed	9255	471 906 5 40680 34932 82235 33617 36923 906 5 00000	USB	(AB)
S06s	20-4	0830	Wed	11530	745 983 6 33630 37559 38013 36676 42630 42630 983 6 00000	AM	(AB)
S06s	20-4	0840	Wed	12140	745 983 6 33630 37559 38013 36676 42630 42630 983 6 00000	AM	(AB)
S06s	20-4	1000	Wed	13365	729 560 8 30720 43259 33366 46044 36844 87363 32219 44865 560 8 00000	AM	(AB)
S06s	20-4	1010	Wed	14505	729 560 8 30720 43259 33366 46044 36844 87363 32219 44865 560 8 00000	AM	(AB)
S06s	21-4	0930	Thu	9081	314 950 6 83465 46018 37387 84234 98769 46721 950 6 00000	USB	(AB)
S06s	21-4	0940	Thu	10514	314 950 6 83465 46018 37387 84234 98769 46721 950 6 00000	USB	(AB)
S06s	21-4	1200	Thu	12415	425 891 6 33185 40015 40452 33411 33849 43302 891 6 00000	AM	(AB)
S06s	21-4	1210	Thu	14212	425 891 6 33185 40015 40452 33411 33849 43302 891 6 00000	AM	(AB)
S06s	22-4	0930	Fri	12140	516 982 7 39746 37407 42648 82321 40945 49080 31476 982 7 00000	AM	(AB)
S06s	22-4	0940	Fri	13515	516 982 7 39746 37407 42648 82321 40945 49080 31476 982 7 00000	AM	(AB)
S06s	25-4	0830	Mon	9220	371 925 6 36489 48648 33139 43886 45494 81397 952 6 00000	USB	(AB)
S06s	25-4	0840	Mon	8270	371 925 6 36489 48648 33139 43886 45494 81397 952 6 00000	USB	(AB)
S06s	25-4	0900	Mon	14580	872 960 5 77588 43576 37780 41033 38499 960 5 00000	USB	(AB)
S06s	25-4	0910	Mon	13165	872 960 5 77588 43576 37780 41033 38499 960 5 00000	USB	(AB)
S06s	26-4	0600	Tue	15855	438 ...	USB	(AB)
S06s	26-4	0610	Tue	16485	438 ...	USB	(AB)
S06s	26-4	0715	Tue	6930	374 508 6 81630 73263 37109 29903 89159 53203 508	USB	(AB)
S06s	26-4	0730	Tue	7425	427 513 6 19244 10276 97774 18538 98832 47769 513 6 00000	USB	(AB)
S06s	26-4	0740	Tue	11560	427 513 6 19244 10276 97774 18538 98832 47769 513 6 00000	USB	(AB)
S06s	26-4	0800	Tue	11635	352 460 7 11909 44056 83104 55996 85756 99566 57801 460 7 00000	USB	(AB)

<b>S06s</b>	26-4	0810	Tue	10420	352 460 7 11909 44056 83104 55996 85756 99566 57801 460 7 00000	USB	(AB)
<b>S06s</b>	26-4	1000	Tue	6410	893 217 5 57914 99227 16046 11393 00359 217 5 00000	USB	(AB)
<b>S06s</b>	26-4	1010	Tue	7340	893 217 5 57914 99227 16046 11393 00359 217 5 00000	USB	(AB)
<b>S06s</b>	26-4	1110	Tue	7230	754 231 6 34970 89469 37229 87436 43383 30042 231 6 00000	USB	(AB)
<b>S06s</b>	26-4	1500	Tue	6464	537 - ? inaudible	USB	(PW2)
<b>S06s</b>	27-4	0530	Wed	9296	464 807 5 44831 37114 36448 43554 84584 807 5 00000	USB	(AB)
<b>S06s</b>	27-4	0540	Wed	10365	464 807 5 44831 37114 36448 43554 84584 807 5 00000	USB	(AB)
<b>S06s</b>	27-4	0830	Wed	11530	745 983 6 33630 37559 38013 36676 42630 42630 983 6 00000	AM	(AB)
<b>S06s</b>	27-4	0840	Wed	12140	745 983 6 33630 37559 38013 36676 42630 42630 983 6 00000	AM	(AB/BvR)
<b>S06s</b>	27-4	1000	Wed	13365	729 560 8 30720 43259 33366 46044 36844 87363 32219 44865 560 8 00000	AM	(AB/F5JBR)
<b>S06s</b>	27-4	1010	Wed	14505	729 560 8 30720 43259 33366 46044 36844 87363 32219 44865 560 8 00000	AM	(AB/F5JBR/ BvR)
<b>S06s</b>	28-4	0900	Thu	12952	167 409 5 82395 58825 32037 89622 40831 409 5 00000	AM	(AB)
<b>S06s</b>	28-4	0910	Thu	13565	167 409 5 82395 58825 32037 89622 40831 409 5 00000	AM	(AB)
<b>S06s</b>	28-4	0930	Thu	9081	314 950 6 83465 46018 37387 84234 98769 46721 950 6 00000	USB	(AB)
<b>S06s</b>	28-4	0940	Thu	10514	314 950 6 83465 46018 37387 84234 98769 46721 950 6 00000	USB	(AB)
<b>S06s</b>	28-4	1200	Thu	12415	425 891 6 33185 40015 40452 33411 33849 43302 891 6 00000	AM	(AB)
<b>S06s</b>	28-4	1210	Thu	14212	425 891 6 33185 40015 40452 33411 33849 43302 891 6 00000	AM	(AB)
<b>S06s</b>	29-4	0940	Fri	13515	516 516 516 00000	USB	(AB)
<b>S11a</b>	1-4	0455	Fri	5385	321/00	USB	(AB)
<b>S11a</b>	1-4	1020	Fri	9960	426/00	USB	(AB)
<b>S11a</b>	1-4	1955	Fri	4016	371/00	USB	(MPJ)
<b>S11a</b>	2-4	1540	Sat	10800	563/00	USB	(MPJ)
<b>S11a</b>	5-4	0455	Tue	5358	321/37 Vnimanaye 46684 34312 95341 ... 77551 24294 17339 Vnimanaye, rpt msg, konets	USB	(AB)
<b>S11a</b>	5-4	0915	Tue	7317	484/00	USB	(AB)
<b>S11a</b>	5-4	1020	Tue	9960	426/00	USB	(PW2)
<b>S11a</b>	8-4	0915	Fri	7317	484/00	USB	(AB)
<b>S11a</b>	8-4	1020	Fri	9960	426/00	USB	(AB)
<b>S11a</b>	8-4	1955	Fri	4016	370/37 Vnimanaye ...	USB	(AB)
<b>S11a</b>	9-4	1540	Sat	10800	563/00	USB	(MPJ)
<b>S11a</b>	13-4	1955	Wed	4016	371/00	USB	(MPJ)
<b>S11a</b>	14-4	1015	Thu	16112	475/00	USB	(HFD)
<b>S11a</b>	14-4	1015	Thu	16112	475/00	USB	(AB)
<b>S11a</b>	15-4	0455	Fri	5358	321/00	USB	(AB)
<b>S11a</b>	15-4	0455	Fri	5358	321/00	USB	(HFD)
<b>S11a</b>	15-4	0915	Fri	7317	484/00	USB	(AB)
<b>S11a</b>	15-4	0915	Fri	7317	484/00	USB	(AB)
<b>S11a</b>	15-4	1020	Fri	9960	426/00	USB	(AB)
<b>S11a</b>	15-4	1955	Fri	4016	371/00	USB	(MPJ)
<b>S11a</b>	16-4	1540	Sat	10800	563/00	USB	(MPJ)
<b>S11a</b>	19-4	1020	Tue	9960	424/31 Vnimanaye 02927 52842 54118 ... 80610 55543 32204 Vnimanaye, rpt msg, konets	USB	(AB)
<b>S11a</b>	20-4	1955	Wed	4016	371/00	USB	(AB/MPJ)
<b>S11a</b>	22-4	0915	Fri	7317	484/00	USB	(AB)
<b>S11a</b>	22-4	1955	Fri	4016	371/00	USB	(GHn)
<b>S11a</b>	23-4	1540	Sat	10800	563/00	USB	(AB/MPJ)
<b>S11a</b>	25-4	1015	Mon	16112	478/34 Vnimanaye 14416 31481 83876 ... 32802 91158 77406 Vnimanaye, rpt msg, konets	USB	(PW2)

S11a	26-4	0915	Tue	7317	482/40 Vnmaniye 61609 44276 20059 ... 39093 93716 69568 Vnmaniye, rpt msg, konets	USB	(AB)
S11a	27-4	1955	Wed	4016	371/00	USB	(MPJ)
S11a	29-4	0455	Fri	5358	321/00	USB	(AB)
S11a	29-4	0915	Fri	7317	482/40 Vnmaniye 61609 44276 20059 ... 39093 93716 69568 Vnmaniye, rpt msg, konets	USB	(AB)
S11a	29-4	1955	Fri	4016	371/00	USB	(MPJ)
S28	7-4	1251	Thu	4625	ZhUOZ 55030 GRUZINSKIY 68160043	USB	(Priyom)
S28	7-4	1312	Thu	4625	ZhUOZ 68??? BYeZDOZhD'Ye 28745219	USB	(Priyom)
S28	7-4	1317	Thu	4625	ZhUOZ 67111 GOSTOShAR 72686914	USB	(Priyom)
S28	7-4	1356	Thu	4625	ZhUOZ 85602 VYeRTOLYeTNYJ 72026932	USB	(Priyom)
S28	11-4	0840	Mon	4625	ZhUOZ 54324 APAKOShAIR 36607001 Female voice in the background saying Operativnyy dezhurnyy (Duty officer)	USB	(Priyom)
S28	11-4	0842	Mon	4625	ZhUOZ 23390 VTORIchNOST' 07588642	USB	(Priyom)
S28	11-4	1230	Mon	4625	ZhUOZ 44649 DIODOSLOM 27921121	USB	(Priyom)
S28	11-4	1243	Mon	4625	ZhUOZ 11987 DAROKRON 58470178	USB	(Priyom)
S28	11-4	1343	Mon	4625	ZhUOZ 66311 VRACHOPIM 81371117	USB	(Priyom)
S28	11-4	1346	Mon	4625	ZhUOZ 31641 BRAKOPAK 85776647	USB	(Priyom)
S28	11-4	1438	Mon	4625	ZhUOZ 15905 DZhYeMOPONG 05600977	USB	(Priyom)
S28	11-4	1533	Mon	4625	ZhUOZ 01282 KOVShODUB 83771470	USB	(Priyom)
S28	11-4	1542	Mon	4625	ZhUOZ 76615 DIODOPIR 21432879	USB	(Priyom)
S28	14-4	1110	Thu	4625	ZhUOZ 16529 LYeGKOKRYLYJ 13529462	USB	(Priyom)
S28	14-4	1702	Thu	4625	ZhUOZ 18626 BRAKOCHeS 51018306 Voices in the background	USB	(Priyom)
S28	14-4	1744	Thu	4625	ZhUOZ 79530 KRYMOKOKS 90206368	USB	(Priyom)
S28	18-4	1031	Mon	4625	ZhUOZ 42436 KLINOShVAB 48917214	USB	(Priyom)
S28	18-4	1600	Mon	4625	ZhUOZ 40834 KRYeZOShIFR 97843852	USB	(Priyom)
S28	18-4	1602	Mon	4625	ZhUOZ 52418 YeVPATORIYa 95805744	USB	(Priyom)
S28	18-4	1603	Mon	4625	ZhUOZ 02359 BAROSER 64680733	USB	(Priyom)
S28	18-4	1701	Mon	4625	ZhUOZ 31211 VYeSTOZVON 02238893. Female voice in the background	USB	(Priyom)
S28	18-4	1702	Mon	4625	ZhUOZ 36283 INOZYeMYeC 32908709	USB	(Priyom)
S28	18-4	1732	Mon	4625	ZhUOZ 88817 ZLOPOLUChNYJ 57067459. CW signal in the background	USB	(Priyom)
S28	21-4	0809	Thu	4625	ZhUOZ 79999 GALOSLON 41598296	USB	(Priyom)
S28	21-4	1139	Thu	4625	ZhUOZ 40622 GIACINTOVYJ 42805676 (Buzzer off freq. Transmitter failure)	USB	(Priyom)
S28	21-4	1533	Thu	4625	ZhUOZ 95545 KORZhOVNUK 30551546	USB	(Priyom)
S28	22-4	0536	Fri	4625	Test tones while attempting to fix the transmitter	USB	(Priyom)
S28	24-4	1257	Sun	4625	ZhUOZ 08632 GROShOLIN' 46120694	USB	(Priyom)
S28	24-4	1420	Sun	4625	ZhUOZ 42932 GRUZOKLUCh 66053566	USB	(Priyom)
S28	25-4	0917	Mon	4625	ZhUOZ 39339 ALOGIchNYJ 45413922	USB	(Priyom)
S28	25-4	0926	Mon	4625	ZhUOZ 60934 KURAZh 21859441	USB	(Priyom)
S28	25-4	0937	Mon	4625	ZhUOZ 36836 ZLATOGLAZIK 44437430	USB	(Priyom)
S28	25-4	0958	Mon	4625	ZhUOZ 39279 DVOROBYK 13494148	USB	(Priyom)
S28	25-4	0958	Mon	4625	ZhUOZ 99565 DONORNYJ 32872445	USB	(Priyom)
S28	25-4	1105	Mon	4625	ZhUOZ 16204 BYeGOTAT 23576493	USB	(Priyom)
S28	25-4	1125	Mon	4625	ZhUOZ 01367 KLYeVOKOSh 02007694	USB	(Priyom)
S30	5-4	1839	Tue	3756	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS	USB	(Priyom)
S30	6-4	1954	Wed	3756	79AJ ShchT30 CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch	USB	(Priyom)
S30	7-4	1842	Thu	3756	BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR	USB	(Priyom)
S30	8-4	1706	Fri	3756	N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT30 CIHS Z7PM	USB	(Priyom)
S30	10-4	1730	Sun	3756	SB7Z 'O6P Y8VM 6I2Zh 8CSchchJ 27Shch' N1DU 53OB 78MV DEAY	USB	(Priyom)
S30	11-4	0508	Mon	5448	JH'J 12CI 79AJ ShchT30 CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 error in reading	USB	(Priyom)
S30	11-4	1437	Mon	3756	8S1Shch 29768 GLYePOGLAZ 41219668	USB	(Priyom)
S30	11-4	1539	Mon	3756	8S1Shch 40998 NASTOBALL 48156647	USB	(Priyom)
S30	11-4	1805	Mon	3756	TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT	USB	(Priyom)

S30	12-4	1652	Tue	3756	42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh error in reading	USB	(Priyom)
S30	12-4	1845	Tue	3756	ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh	USB	(Priyom)
S30	14-4	1658	Thu	3756	8S1Shch 18761 KOLLYeZh 58399015	USB	(Priyom)
S30	14-4	1744	Thu	3756	8S1Shch 93613 LIDSOSVOD 03237376	USB	(Priyom)
S30	16-4	1733	Sat	3756	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS	USB	(Priyom)
S30	18-4	1519	Mon	5448	OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV	USB	(Priyom)
S30	18-4	1538	Mon	5448	8S1Shch 77128 DUBLYeN'Ye 92443442	USB	(Priyom)
S30	18-4	1541	Mon	5448	8S1Shch 41172 KLINOK 66670104	USB	(Priyom)
S30	18-4	1548	Mon	3756	8S1Shch 83285 GOLODNYJ 36169001	USB	(Priyom)
S30	18-4	1650	Mon	3756	8S1Shch 56691 ANUSOFAL 01679930. Error in reading	USB	(Priyom)
S30	18-4	1651	Mon	3756	8S1Shch 58760 NYeVADSKIJ 27731269. Count before the signal	USB	(Priyom)
S30	18-4	1657	Mon	3756	8S1Shch 45648 LOZhYeChKA 91022254	USB	(Priyom)
S30	18-4	1708	Mon	3756	8S1Shch 74132 GROGOTRYeK 32628589	USB	(Priyom)
S30	18-4	1725	Mon	3756	8S1Shch 14337 KANOKBIT 33757335	USB	(Priyom)
S30	21-4	1522	Thu	5448	8S1Shch 70014 NAHAL 92177103	USB	(Priyom)
S30	21-4	1742	Thu	3756	V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CSchhJ 27Shch' N1DU 53OB 78MV	USB	(Priyom)
S30	22-4	1519	Fri	5448	DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V	USB	(Priyom)
S30	22-4	1846	Fri	3756	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNSchh Zh7NZh YMA5 VTH3	USB	(Priyom)
S30	24-4	0536	Sun	5448	6I2Zh 8CSchhJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ	USB	(Priyom)
S30	24-4	0633	Sun	5448	1 2 3 4 5 6 7 8 9 10 Test count	USB	(Priyom)
S30	24-4	1413	Sun	3756	8S1Shch 52968 GOLOKYeIF 04400445	USB	(Priyom)
S30	24-4	1801	Sun	3756	TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM FY5E F61N	USB	(Priyom)
S30	25-4	0512	Mon	3756	37CN MUDR 7VNSchh Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C	USB	(Priyom)
S30	25-4	1838	Mon	3756	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'	USB	(Priyom)
S30	26-4	1711	Tue	3756	Z'1B CI9V ZhSK4 HZ5T 5FSSchh 8MUO TUZR 5J7Shch DMC3 49FT	USB	(Priyom)
S30	27-4	1701	Wed	3756	8S1Shch 99601 KONFYeTChIK 51518193. Time mark after the signal	USB	(Priyom)
S30	27-4	1749	Wed	3756	3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS	USB	(Priyom)
S30	27-4	1831	Wed	3756	8S1Shch 14110 KVADRATIK 89853484. Time mark after the signal	USB	(Priyom)
S30	28-4	1751	Thu	3756	12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T	USB	(Priyom)
S30	28-4	1758	Thu	3756	8S1Shch 42112 BUHARINSKIJ 03660214. Time mark after the signal	USB	(Priyom)
S30	29-4	1756	Fri	3756	OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1 ZhD9V 42BV	USB	(Priyom)
S32	5-4	1632	Tue	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTAN-34 RUZh'E-26	USB	(Priyom)
S32	5-4	1659	Tue	3828	AL'FA-45 72556 LYaZGOBORN 82453771	USB	(Priyom)
S32	5-4	1851	Tue	3828	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46	USB	(Priyom)
S32	6-4	1623	Wed	3828	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27	USB	(Priyom)
S32	6-4	1727	Wed	3828	AL'FA-45 26961 92890 35317 NUKLON 32974992	USB	(Priyom)
S32	6-4	1911	Wed	3828	AL'FA-45 20509 51782 NADKLYeJKA 11760388	USB	(Priyom)
S32	6-4	1946	Wed	3828	AL'FA-45 58979 61978 NYeMIRNYJ 04251104	USB	(Priyom)
S32	6-4	2041	Wed	3828	AL'FA-45 03061 19991 LYeNOZhMOT 87773028 error in reading, S30 in the background	USB	(Priyom)



S32	6-4	2057	Wed	3828	AL'FA-45 15999 19269 37539 YeRShISTOST' 52393855	USB	(Priyom)
S32	7-4	1820	Thu	3828	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40	USB	(Priyom)
S32	9-4	1752	Sat	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FON- TAN-34 RUZh'E-26 SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA	USB	(Priyom)
S32	10-4	1803	Sun	3828	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62 RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FONTA	USB	(Priyom)
S32	10-4	1920	Sun	3828	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ	USB	(Priyom)
S32	11-4	1759	Mon	3828	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62 with PIP S30 in the back- ground	USB	(Priyom)
S32	12-4	1833	Tue	3828	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40 with S30 in the background	USB	(Priyom)
S32	14-4	1702	Thu	3828	AL'FA-45 47305 ZYeTOFIKS 85272519	USB	(Priyom)
S32	14-4	1748	Thu	3828	AL'FA-45 94722 KOLUMBIJKA 28577590	USB	(Priyom)
S32	18-4	1653	Mon	3828	AL'FA-45 82704 MATChOLYaZG 24958270	USB	(Priyom)
S32	18-4	1656	Mon	3828	AL'FA-45 78307 GORISPOLKOM 24982157	USB	(Priyom)
S32	18-4	1700	Mon	3828	AL'FA-45 41630 OBUHORUL' 27739405. S30 in the background	USB	(Priyom)
S32	18-4	1711	Mon	3828	AL'FA-45 93090 MORYaCKIJ 11710201. S30 in the background	USB	(Priyom)
S32	18-4	1728	Mon	3828	AL'FA-45 15390 BABKINA 54663211. S30 in the back- ground	USB	(Priyom)
S32	20-4	1733	Wed	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FON- TAN-34 RUZh'E-26 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZ	USB	(Priyom)
S32	21-4	1746	Thu	3828	NYeVKA-26 SLIVA-94 OTPOR-89 ShULER-60 STAZhER- 29 ZASLONKA-27 STOROZh-62	USB	(Priyom)
S32	22-4	1618	Fri	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FON- TAN-34 RUZh'E-26 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZ	USB	(Priyom)
S32	22-4	1644	Fri	3828	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68	USB	(Priyom)
S32	24-4	1654	Sun	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FON- TAN-34 RUZh'E-26 SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA	USB	(Priyom)
S32	25-4	1720	Mon	3828	BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40 with S30 in the background	USB	(Priyom)
S32	26-4	0209	Tue	3828	ZASLONKA-27 RYeZINA-38 RUZh'E-26 DZhIGIT-46 KURGAN-40 DUBLYoR-68	USB	(Priyom)
S32	26-4	0247	Tue	3828	RYeZINA-38 YaHTA-94 NYeVKA-26 91269 88518 46419 GIBYeL' 53314205	USB	(Priyom)
S32	26-4	0252	Tue	3828	RYeZINA-38 YaHTA-94 NYeVKA-26 85075 10657 85437 OBUChYeNiYe 07565370	USB	(Priyom)
S32	26-4	0257	Tue	3828	RYeZINA-38 YaHTA-94 NYeVKA-26 19963 26672 48059 MAIS 32200093	USB	(Priyom)
S32	27-4	1706	Wed	3828	AL'FA-45 48631 BLAGODYeYaNiYe 46112205	USB	(Priyom)
S32	27-4	1727	Wed	3828	AL'FA-45 63635 33161 57318 NYeONOKLIR 32972762 with S30 in the background	USB	(Priyom)
S32	27-4	1836	Wed	3828	AL'FA-45 88848 VKUSOHRYCh 98694569	USB	(Priyom)
S32	27-4	1912	Wed	3828	AL'FA-45 49343 32867 BLYeDNLOLIKIJ 17425933. Failed attempt. Sends msg to wrong addressee	USB	(Priyom)
S32	27-4	1913	Wed	3828	Shch8AF CShch9Ye 49343 32867 BLYeDNLOLIKIJ 17425933	USB	(Priyom)
S32	27-4	1926	Wed	3828	Shch8AF CShch9Ye 07392 72569 IPPOLOGIYa 82187175 with S30 in the background	USB	(Priyom)
S32	27-4	1952	Wed	3828	Shch8AF CShch9Ye 98398 08330 DOLZhNYJ 04798992 with S30 in the background	USB	(Priyom)
S32	27-4	2042	Wed	3828	Shch8AF CShch9Ye 87994 87659 MADAPOLAM 88922762	USB	(Priyom)

<b>S32</b>	27-4	2056	Wed	3828	Shch8AF CShch9Ye M7KS 48400 57684 56811 MYeShchANKA 47425933	USB	(Priyom)
<b>S32</b>	28-4	1803	Thu	3828	AL'FA-45 05039 ZATYeJShchICA 34958645 with S30 in the background	USB	(Priyom)
<b>S32</b>	28-4	1819	Thu	3828	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhiGIT-46 with S30 in the background	USB	(Priyom)
<b>S32</b>	30-4	1941	Sat	3828	RYeZINA-38 KOVBOJ-39 STUPA-32 KARTA-11 FON- TAN-34 RUZh'E-26	USB	(Priyom)
<b>S5292</b>	12-4	1311	Tue	5292	Marker broken	USB	(PW2)
<b>S5292</b>	22-4	0905	Fri	5252	TRYel'-31 34405 VRAZhDA 42358578	USB	(Priyom)
<b>S5292</b>	22-4	1640	Fri	5252	VIZIR-21 11209 RITOR 64739863	USB	(Priyom)
<b>S5292</b>	25-4	1158	Mon	5252	VIZIR-21 05885 RADUGA 53659342	USB	(Priyom)
<b>S5292</b>	25-4	1400	Mon	5252	RYeGATA-75 23842 SUGROB 62688654 count before the signal	USB	(Priyom)
<b>UM10</b>	1-4	1846	Fri	3718	10-mins net: 7CJK	CW	(JPL-Sib)
<b>UM10</b>	4-4	1649	Mon	3280	10-mins net: HUU4 (new callsign and new freq)	CW	(JPL-Sib)
<b>UM10</b>	4-4	1702	Mon	3525	10-mins net: QK4S //4310 kHz (new callsign and freq)	CW	(JPL-Sib)
<b>UM10</b>	4-4	1702	Mon	4310	10-mins net: QK4S //3525 kHz (new callsign and freq)	CW	(JPL-Sib)
<b>UM10</b>	5-4	1831	Tue	3535	10-mins net: QK4S //4310 kHz	CW	(JPL-Sib)
<b>UM10</b>	5-4	1831	Tue	4310	10-mins net: QK4S //3525 kHz	CW	(JPL-Sib)
<b>UM10</b>	6-4	1733	Wed	3525	10-mins net: QK4S //4310 kHz	CW	(JPL-Sib)
<b>UM10</b>	6-4	1733	Wed	4310	10-mins net: QK4S //3525 kHz	CW	(JPL-Sib)
<b>UM10</b>	8-4	1428	Fri	3525	10-mins net: QK4S //4310 kHz	CW	(JPL-Sib)
<b>UM10</b>	8-4	1428	Fri	4310	10-mins net: QK4S //3525 kHz	CW	(JPL-Sib)
<b>UM10</b>	8-4	1918	Fri	3280	10-mins net: HUU4 //3780 kHz	CW	(JPL-Sib)
<b>UM10</b>	8-4	1918	Fri	3780	10-mins net: HUU4 //3280 kHz	CW	(JPL-Sib)
<b>UM10</b>	12-4	2018	Tue	3780	10-mins marker: HUU4 //3280 kHz	CW	(JPL-Sib)
<b>UM10</b>	13-4	1555	Wed	3280	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	13-4	1556	Wed	3525	10-mins net: QK4S	CW	(JPL-Sib)
<b>UM10</b>	13-4	1750	Wed	3280	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	14-4	1422	Thu	3780	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	15-4	1825	Fri	3780	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	16-4	1319	Sat	3780	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	17-4	1615	Sun	3780	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	19-4	1455	Tue	3780	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	19-4	1457	Tue	3525	10-mins net: QK4S	CW	(JPL-Sib)
<b>UM10</b>	21-4	1618	Thu	3280	10-mins net: HUU4	CW	(JPL-Sib)
<b>UM10</b>	21-4	2053	Thu	3280	10-mins net: HUU4	CW	(JPL-Sib)
<b>V07</b>	3-4	0300	Sun	14823	845 845 845 000	USB	(Dan/VH/HF D-J)
<b>V07</b>	3-4	0320	Sun	13423	845 845 845 000	USB	(Dan/VH/HF D-J)
<b>V07</b>	10-4	0300	Sun	14823	845 1 576 49 17688 21518 99208 ... 13615 81636 96948 000 000	USB	(Dan/Token)
<b>V07</b>	10-4	0320	Sun	13423	845 1 576 49 17688 21518 99208 ... 13615 81636 96948 000 000	USB	(Dan/Token)
<b>V07</b>	10-4	0340	Sun	11523	845 1 576 49 17688 21518 99208 ... 13615 81636 96948 000 000	USB	(Dan/Token)
<b>V13</b>	1-4	0500	Fri	9522	New Star #4	USB	(AB-HK)
<b>V13</b>	3-4	0700	Sun	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	3-4	0800	Sun	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	4-4	1300	Mon	7502	New Star #4	AM	(AB-HK)
<b>V13</b>	5-4	0500	Tue	9522	New Star #4	USB	(AB-HK)
<b>V13</b>	6-4	0513	Wed	9522	New Star #4 i.p.	USB	(AB-HK)
<b>V13</b>	6-4	0700	Wed	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	6-4	0800	Wed	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	6-4	1200	Wed	7502	New Star #4	AM	(AB-HK)
<b>V13</b>	6-4	1300	Wed	7502	New Star #4	AM	(AB-HK)
<b>V13</b>	7-4	0500	Thu	9522	New Star #4	USB	(AB-HK)
<b>V13</b>	7-4	0700	Thu	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	7-4	0800	Thu	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	21-4	1300	Thu	7502	New Star #4	AM	(AB-HK)
<b>V13</b>	24-4	0700	Sun	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	24-4	0800	Sun	15250	New Star #3	AM	(AB-HK)
<b>V13</b>	25-4	0800	Mon	15250	New Star #3	AM	(AB-HK)



V13	28-4	1300	Thu	7502	New Star #4	AM	(PW2-J)
V26	1-4	0003	Fri	9054	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	1-4	1230	Fri	4243	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-Sib)
V26	1-4	1230	Fri	9054	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-Sib)
V26	2-4	1139	Sat	9054	Voice callup. Female operator	USB	(JPL-Sib)
V26	2-4	1148	Sat	9054	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	2-4	1148	Sat	9054	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	3-4	1023	Sun	7553	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	5-4	0001	Tue	8073	Voice callup. Male operator	USB	(JPL-HK)
V26	5-4	0019	Tue	8073	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	5-4	1127	Tue	8073	Voice callup. Male operator	USB	(JPL-HK)
V26	5-4	1150	Tue	8073	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	5-4	1209	Tue	4243	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	5-4	1209	Tue	9054	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	5-4	2338	Tue	9054	Voice callup. Female operator	USB	(JPL-HK)
V26	6-4	0015	Wed	9054	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	6-4	0020	Wed	8073	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	6-4	1205	Wed	7553	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	7-4	1146	Thu	4243	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	7-4	1146	Thu	9054	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	7-4	2353	Thu	9054	Message in Chinese. Female operator	USB	(JPL-HK)
V26	8-4	0001	Fri	8073	Voice calup. Male operator	USB	(JPL-Sib)
V26	10-4	1228	Sun	4243	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-Sib)
V26	10-4	1228	Sun	9054	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-Sib)
V26	12-4	0015	Tue	9054	Messages in Chinese. Female operator	USB	(JPL-Sib)
V26	12-4	1130	Tue	8073	Voice callup. Male operator	USB	(JPL-Sib)
V26	12-4	1155	Tue	4243	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-Sib)
V26	12-4	1155	Tue	9054	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-Sib)
V26	15-4	1200	Fri	9054	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	20-4	1130	Wed	8073	Voice callup. Male operator	USB	(JPL-HK)
V26	20-4	1153	Wed	8073	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	21-4	1129	Thu	8073	Voice callup. Male operator	USB	(JPL-HK)
V26	29-4	1130	Fri	8073	Voice callup. Male operator	USB	(JPL-HK)
V26	29-4	1209	Fri	9054	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V30	1-4	1554	Fri	10255	Male reading messages in Vietnamese	USB	(AB)
V30	7-4	1554	Thu	10255	Male reading numbers in Vietnamese	USB	(AB/qsr711)
V30	8-4	1500	Fri	10255	Messages	USB	(qsr711)
V30	8-4	1554	Fri	10255	Male reading message	USB	(AB)
V30	14-4	1600	Thu	10255	Messages	USB	(qsr711)
V30	15-4	1554	Fri	10255	Male reading messages in Vietnamese	USB	(AB)
V30	16-4	1600	Sat	10255	Messages	USB	(qsr711)
V30	21-4	1600	Thu	10255	Messages	USB	(qsr711)
V30	28-4	1600	Thu	10255	Messages	USB	(qsr711)
V30	29-4	1655	Fri	10255	Messages	USB	(qsr711)
VC01	5-4	1839	Tue	4029	Chinese Robot	USB	(JPL-HK)
VC01	6-4	1202	Wed	4029	Chinese Robot	USB	(AB)
VC01	6-4	1304	Wed	4029	Chinese Robot	USB	(AB)
VC01	7-4	1300	Thu	4029	Chinese Robot	USB	(AB-HK)
VC01	8-4	1740	Fri	4029	Chinese Robot	USB	(JPL-Sib)
VC01	10-4	1835	Sun	4029	Chinese Robot	USB	(JPL-Sib)
VC01	21-4	1303	Thu	4029	Chinese Robot	USB	(AB-HK)
VR01	3-4	1559	Sun	6992	2 6 900 90 6 900 80 vyerh 8 30, niz 12	LSB	(qsr711)
VR01	3-4	1605	Sun	6980	da 6 6 900 80 allo 6 900 80 vyerh 8 30 niz 12	LSB	(qsr711)
VR01	3-4	1613	Sun	6980	da 6 6 900 80 allo 6 900 80 vyerh 8 30 niz 12	LSB	(PW2)
VR01	3-4	1620	Sun	6980	6 900 80 8 30 ? 11	LSB	(qsr711)
VR01	3-4	1627	Sun	6980	6 900 80 8 30 ? 11	LSB	(PW2)
X06	25-3	1110	Fri	14863	Mazielka. Sequence: 615243	MFSK	(Sch)
X06	1-4	0828	Fri	16219	Mazielka. Sequence: 324615	MFSK	(PUK)
X06	1-4	1001	Fri	14501	Mazielka. Sequence: 361245	MFSK	(PUK)
X06	1-4	1106	Fri	12215	Mazielka. Sequence: 361245	MFSK	(PUK)
X06	5-4	1200	Tue	14942	Mazielka 6 tone selcall	MFSK	(MCO)
X06	6-4	0646	Wed	13838	Mazielka. Sequence: 256341	MFSK	(PUK)
X06	6-4	0904	Wed	14631	Mazielka. Sequence: 362154	MFSK	(PUK)
X06	6-4	1120	Wed	16103	Mazielka. Sequence: 215346	MFSK	(PUK)

X06	7-4	0735	Thu	17468	Mazielka. Sequence: 436512	MFSK	(PUK)
X06	7-4	0952	Thu	17468	Mazielka. Sequence: 436512	MFSK	(PUK)
X06	7-4	1229	Thu	19405	Mazielka. Sequence: 352416	MFSK	(PUK)
X06	7-4	1236	Thu	16132	Mazielka. Sequence: 352416	MFSK	(PUK)
X06	7-4	1412	Thu	17468	Mazielka. Sequence: 436512	MFSK	(PUK)
X06	8-4	1001	Fri	14863	Mazielka. Sequence: 615243	MFSK	(PUK)
X06	11-4	0805	Mon	13423	Mazielka. Sequence: 421635	MFSK	(PUK)
X06	11-4	0931	Mon	16117	Mazielka. Sequence: 463125	MFSK	(PUK)
X06	11-4	0940	Mon	13517	Mazielka. Sequence: 463125	MFSK	(PUK)
X06	12-4	0803	Tue	13420	Mazielka. Sequence: 534216	MFSK	(PUK)
X06	12-4	1017	Tue	11025	Mazielka. Sequence: 612534	MFSK	(PUK)
X06	12-4	1020	Tue	14970	Mazielka. Sequence: 216354	MFSK	(PUK)
X06	13-4	0740	Wed	13369	Mazielka. Sequence: 412356	MFSK	(F5JBR)
X06	14-4	0804	Thu	12126	Mazielka. Sequence: 521634	MFSK	(PUK)
X06	14-4	0937	Thu	13506	Mazielka. Sequence: 164532	MFSK	(PUK)
X06	14-4	1407	Thu	12200	Mazielka. Sequence: 263145	MFSK	(Sch)
X06	14-4	1424	Thu	14812	Mazielka. Sequence: 263145	MFSK	(PUK)
X06	14-4	1535	Thu	10535	Mazielka. Sequence: 564213	MFSK	(PUK)
X06	15-4	0546	Fri	12168	Mazielka. Sequence: 213546	MFSK	(PUK)
X06	15-4	0552	Fri	12168	Mazielka. Sequence: 213546	MFSK	(PUK)
X06	15-4	0557	Fri	12168	Mazielka. Sequence: 213546	MFSK	(PUK)
X06	15-4	0819	Fri	16219	Mazielka. Sequence: 324615	MFSK	(PUK)
X06	15-4	0828	Fri	16219	Mazielka. Sequence: 324615	MFSK	(PUK)
X06	15-4	0930	Fri	18197	Mazielka. Sequence: 645321	MFSK	(PUK)
X06	15-4	0958	Fri	12215	Mazielka. Sequence: 361245	MFSK	(PUK)
X06	15-4	2135	Fri	12168	Mazielka. Sequence: 213546	MFSK	(PUK)
X06	17-4	1410	Sun	10181	Mazielka. Sequence: 452163	MFSK	(PUK)
X06	18-4	0749	Mon	12142	Mazielka. Sequence: 432516	MFSK	(PUK)
X06	18-4	0749	Mon	12142	Mazielka. Sequence: 432516	MFSK	(PUK)
X06	18-4	1509	Mon	14825	Mazielka. Sequence: 641523	MFSK	(PUK)
X06	18-4	1555	Mon	13395	Mazielka. Sequence: 532614	MFSK	(PUK)
X06	19-4	0751	Tue	11462	Mazielka. Sequence: 165423	MFSK	(PUK)
X06	19-4	0839	Tue	15687	Mazielka. Sequence: 154263	MFSK	(PUK)
X06	19-4	1150	Tue	16188	Mazielka. Sequence: 325614	MFSK	(PUK)
X06	20-4	1012	Wed	14547	Mazielka. Sequence: 645321	MFSK	(PUK)
X06	20-4	1104	Wed	16115	Mazielka. Sequence: 215346	MFSK	(PUK)
X06	21-4	0732	Thu	14447	Mazielka. Sequence: 162543	MFSK	(PUK)
X06	22-4	0827	Fri	10653	Mazielka. Sequence: 356412	MFSK	(Sch)
X06	22-4	0849	Fri	20665	Mazielka. Sequence: 325614	MFSK	(Sch)
X06	22-4	0855	Fri	19145	Mazielka. Sequence: 325614	MFSK	(Sch)
X06	22-4	0914	Fri	16188	Mazielka. Sequence: 325614	MFSK	(F5JBR)
X06	22-4	0916	Fri	16188	Mazielka. Sequence: 325614	MFSK	(Sch)
X06	22-4	0949	Fri	17463	Mazielka. Sequence: 256134	MFSK	(PUK)
X06	25-4	0810	Mon	13423	Mazielka. Sequence: 421635	MFSK	(PUK)
X06	25-4	0932	Mon	16117	Mazielka. Sequence: 463125	MFSK	(PUK)
X06	26-4	0755	Tue	13420	Mazielka. Sequence: 534216	MFSK	(PUK)
X06	26-4	1015	Tue	17470	Mazielka. Sequence: 216354	MFSK	(PUK)
X06	26-4	1017	Tue	13510	Mazielka. Sequence: 612534	MFSK	(PUK)
X06	27-4	0732	Wed	13369	Mazielka. Sequence: 412356	MFSK	(PUK)
X06	27-4	1004	Wed	15878	Mazielka. Sequence: 621543	MFSK	(PUK)
X06	28-4	0807	Thu	14419	Mazielka. Sequence: 521634	MFSK	(PUK)
X06	28-4	0807	Thu	16153	Mazielka. Sequence: 153624	MFSK	(PUK)
X06	28-4	0941	Thu	13506	Mazielka. Sequence: 164532	MFSK	(PUK)
X06	28-4	0945	Thu	13506	Mazielka. Sequence: 164532	MFSK	(PUK)
X06	28-4	0953	Thu	16223	Mazielka. Sequence: 164532	MFSK	(PUK)
X06	28-4	1424	Thu	14811	Mazielka. Sequence: 263145	MFSK	(PUK)
X06	28-4	1516	Thu	14440	Mazielka. Sequence: 564213	MFSK	(PUK)
X06b	4-3	1327	Fri	18667	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	4-3	1343	Fri	18667	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	19-3	1327	Sat	18667	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	19-3	1330	Sat	18667	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	20-3	1430	Sun	16138	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	9-4	1821	Sat	16114	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	10-4	1714	Sun	12138	Mazielka. Sequence: 1--6--	MFSK	(Sch)

X06b	10-4	1715	Sun	14538	Mazielka. Sequence: 1--6--	MFSK	(Dan)
X06b	10-4	1718	Sun	12138	Mazielka. Sequence: 1--6--	MFSK	(Sch)
X06b	26-4	1706	Tue	14538	Mazielka. Sequence: 1--6--	MFSK	(Dan)
XPA	2-4	0600	Sat	10359	355 355 355 000 01361 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	2-4	0620	Sat	11559	355 355 355 000 01361 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	2-4	0640	Sat	13559	355 355 355 000 01361 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	5-4	1900	Tue	10943	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/MPJ/HF D)
XPA	5-4	1920	Tue	10243	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/MPJ/HF D)
XPA	5-4	1940	Tue	9243	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/HFD)
XPA	6-4	0600	Wed	10359	355 355 355 000 03067 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	6-4	0620	Wed	11559	355 355 355 000 03067 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	6-4	0640	Wed	13559	355 355 355 000 03067 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	7-4	1900	Thu	10943	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/HFD)
XPA	7-4	1920	Thu	10243	msg	MFSK 20/10Bd	(HFD)
XPA	7-4	1920	Thu	10243	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/MPJ/HF D)
XPA	7-4	1940	Thu	9243	922 1 05212 00175 65919 ... 42422 41888 64017	MFSK-20/10Bd	(AB/MPJ/HF D)
XPA	9-4	0600	Sat	10359	355 355 355 000 02226 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9-4	0620	Sat	11559	355 355 355 000 02226 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9-4	0640	Sat	13559	355 355 355 000 02226 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12-4	1900	Tue	10943	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	12-4	1920	Tue	10243	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12-4	1940	Tue	9243	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13-4	0600	Wed	10359	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB/HFD)
XPA	13-4	0620	Wed	11559	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB/HFD)
XPA	13-4	0640	Wed	13559	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB/HFD)
XPA	14-4	1900	Thu	10943	922 922 922 000 04141 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	14-4	1920	Thu	10243	922 922 922 000 04141 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	14-4	1940	Thu	9243	922 922 922 000 04141 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	16-4	0600	Sat	10359	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB)
XPA	16-4	0620	Sat	11559	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB)
XPA	16-4	0640	Sat	13559	355 1 07981 00113 78136 ... 23988 16073 41404	MFSK-20/10Bd	(AB)
XPA	19-4	1900	Tue	10943	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	19-4	1920	Tue	10243	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	19-4	1940	Tue	9243	922 922 922 000 01724 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	20-4	0600	Wed	10359	355 355 355 000 07228 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	20-4	0620	Wed	11559	355 355 355 000 07228 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	20-4	0640	Wed	13559	355 355 355 000 07228 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	21-4	1900	Thu	10943	922 1 04244 00253 61187 ... 99927 47934 44415	MFSK-20/10Bd	(AB/MPJ)
XPA	21-4	1920	Thu	10243	922 1 04244 00253 61187 ... 99927 47934 44415	MFSK-20/10Bd	(AB/MPJ)
XPA	21-4	1940	Thu	9243	922 1 04244 00253 61187 ... 99927 47934 44415	MFSK-20/10Bd	(AB/MPJ)
XPA	23-4	0600	Sat	10359	355 355 355 000 07921 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	23-4	0620	Sat	11559	355 355 355 000 07921 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	23-4	0640	Sat	13559	355 355 355 000 07921 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	26-4	1900	Tue	10943	922 922 922 000 07250 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	26-4	1920	Tue	10243	922 922 922 000 07250 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	26-4	1940	Tue	9243	922 922 922 000 07250 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	27-4	0600	Wed	10359	355 355 355 000 02741 00171 92181 ... 19386 77038 35441	MFSK-20/10Bd	(AB)
XPA	27-4	0620	Wed	11559	355 355 355 000 02741 00171 92181 ... 19386 77038 35441	MFSK-20/10Bd	(AB)
XPA	27-4	0640	Wed	13559	355 355 355 000 02741 00171 92181 ... 19386 77038 35441	MFSK-20/10Bd	(AB)
XPA	28-4	1920	Thu	10243	922 000 09296 00001 00000 10140	MFSK-20/10Bd	(MPJ/PW2)
XPA	28-4	1940	Thu	9243	922 000 09296 00001 00000 10140	MFSK-20/10Bd	(MPJ)
XPA	30-4	0600	Sat	10359	355 355 355 000 02607 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	30-4	0620	Sat	11559	355 355 355 000 02607 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	30-4	0640	Sat	13559	355 355 355 000 02607 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA2	1-4	1500	Fri	16147	09914 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	1-4	1520	Fri	14947	09914 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	1-4	1540	Fri	14447	09914 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	1-4	1900	Fri	17462	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB)

XPA2	1-4	1920	Fri	16114	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB/HFD)
XPA2	1-4	1940	Fri	14828	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB/HFD)
XPA2	2-4	1900	Sat	17462	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-4	1920	Sat	16114	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-4	1940	Sat	14828	05932 00093 22934 ... 07252 72615 15267	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-4	1520	Sun	14947	08815 00189 44337 13567 24987 ... 10423 75389 87321 87008 53603	MFSK-16/20Bd	(MPJ)
XPA2	3-4	1540	Sun	14447	08815 00189 44337 13567 24987 ... 10423 75389 87321 87008 53603	MFSK-16/20Bd	(MPJ)
XPA2	3-4	1800	Sun	14538	02141 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	3-4	1820	Sun	13538	02141 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	3-4	1840	Sun	12138	02141 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-4	1800	Tue	14538	02392 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-4	1820	Tue	13538	02392 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-4	1840	Tue	12138	02392 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-4	1500	Fri	16147	03520 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1520	Fri	14947	03520 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1540	Fri	14447	03520 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1900	Fri	17462	04339 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	8-4	1920	Fri	16114	04339 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	8-4	1940	Fri	14828	04339 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	9-4	1900	Sat	17462	05983 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	9-4	1920	Sat	16114	05983 00001 00000 10140	MFSK-16/20Bd	(MPJ/Dan)
XPA2	10-4	1500	Sun	16147	06298 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	10-4	1520	Sun	14947	06298 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	10-4	1540	Sun	14447	06298 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	10-4	1800	Sun	14538	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB/MPJ)
XPA2	10-4	1820	Sun	13538	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB/MPJ)
XPA2	10-4	1840	Sun	12138	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB/MPJ)
XPA2	12-4	1800	Tue	14538	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB/MPJ)
XPA2	12-4	1820	Tue	13538	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB)
XPA2	12-4	1840	Tue	12138	09465 00077 37724 ... 15201 89412 37272	MFSK-16/20Bd	(AB)
XPA2	15-4	0700	Fri	16347	02880 00085 55158 ... 44904 74226 35547	MFSK-16/20Bd	(AB)
XPA2	15-4	0720	Fri	17447	02880 00085 55158 ... 44904 74226 35547	MFSK-16/20Bd	(AB/HFD)
XPA2	15-4	0740	Fri	18747	02880 00085 55158 ... 44904 74226 35547	MFSK-16/20Bd	(AB/HFD)
XPA2	15-4	1500	Fri	16147	00621 00197 50544 ... 15428 32308 42020	MFSK-16/20Bd	(AB)
XPA2	15-4	1520	Fri	14947	00621 00197 50544 ... 15428 32308 42020	MFSK-16/20Bd	(AB)
XPA2	15-4	1540	Fri	14447	00621 00197 50544 ... 15428 32308 42020	MFSK-16/20Bd	(AB)
XPA2	15-4	1900	Fri	17462	04007 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	15-4	1920	Fri	16114	04007 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	15-4	1940	Fri	14828	04007 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	17-4	1500	Sun	16147	07772 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-4	1520	Sun	14947	07772 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-4	1540	Sun	14447	07772 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-4	1800	Sun	14538	01661 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-4	1820	Sun	13538	01661 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-4	1840	Sun	12138	01661 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-4	0700	Tue	16347	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB/HFD)
XPA2	19-4	0720	Tue	17447	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB)
XPA2	19-4	0740	Tue	18747	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB)
XPA2	19-4	1800	Tue	14538	04151 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-4	1820	Tue	13538	04151 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-4	1840	Tue	12138	04151 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-4	0700	Fri	16347	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB)
XPA2	22-4	0720	Fri	17447	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB)
XPA2	22-4	0740	Fri	18747	04114 00127 02996 ... 57030 69290 52442	MFSK-16/20Bd	(AB)
XPA2	22-4	1500	Fri	16147	07071 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-4	1520	Fri	14947	07071 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-4	1540	Fri	14447	07071 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-4	1900	Fri	17462	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-4	1920	Fri	16114	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-4	1940	Fri	14828	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB/MPJ)

XPA2	23-4	1900	Sat	17462	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB)
XPA2	23-4	1920	Sat	16114	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB)
XPA2	23-4	1940	Sat	14828	09364 00201 27063 ... 60061 12992 56000	MFSK-16/20Bd	(AB)
XPA2	24-4	1500	Sun	16147	06815 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	24-4	1520	Sun	14947	06815 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	24-4	1540	Sun	14447	06815 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	24-4	1800	Sun	14538	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(MPJ/MCO)
XPA2	24-4	1820	Sun	13538	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(MPJ)
XPA2	24-4	1840	Sun	12138	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(MPJ)
XPA2	26-4	0700	Tue	16347	00446 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-4	0720	Tue	17447	00446 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-4	0740	Tue	18747	00446 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-4	1800	Tue	14538	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-4	1820	Tue	13538	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-4	1840	Tue	12138	09140 00053 23600 62758 72059 ... 77698 86857 23468 30024 66477	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	29-4	0700	Fri	16347	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0720	Fri	17447	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0740	Fri	18747	03041 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1500	Fri	16147	03633 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-4	1520	Fri	14947	03633 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-4	1540	Fri	14447	03633 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1900	Fri	17462	05923 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-4	1920	Fri	16114	05923 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-4	1940	Fri	14828	05923 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)

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Danix-RUS	Danix via remote rx Russia	PW2-USA	Parkeerwacht via remote rx USA
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F5JBR	F5JBR André, France	Sferix	Sferix, Taiwan
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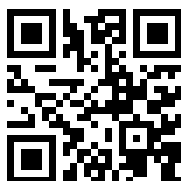
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591 87364 87265 96710 27630 12673 84769 28743 98127 56  
8 63298 75698 27465 87326 49876 28376 81273 98615 64  
67 87432 74328 78674 29867 32867 67867 86786 43266 498  
57 68768 68763 34234 34238 68768 62342 48273 48768 238  
936 98432 32432 86743 43286 43286 43286 43286 43286 40  
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