

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 670 | 27364 | 92836 | 09428 | 61208 | 74982 | 36498 | 32764 | 81276 | 01 |
| 986 | 40932 | 70987 | 32123 | 49817 | 26346 | 81287 | 65491 | 87364 | 81 |
| 721 | 75654 | 55656 | 12737 | 72727 | 72727 | 91918 | 63473 | 67867 | 70 |
| 723 | 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 |
| 58 | 63298 | 75698 | 27465 | 87326 | 49876 | 28376 | 81273 | 98615 | 62 |
| 667 | 87432 | 74328 | 78674 | 29867 | 32867 | 67867 | 86786 | 43286 | 432 |
| 667 | 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 |
| 976 | 87698 | 69876 | 87698 | 69876 | 87612 | 12341 | 34867 | 86798 | 632 |
| 867 | 43298 | 65656 | 56756 | 56123 | 32143 | 14321 | 32143 | 14321 | 321 |
| 71 | 02787 | 58765 | 76587 | 58765 | 76587 | 58765 | 76587 | 58756 | 765 |
| 75477 | 86543 | 54365 | 36543 | 54365 | 36543 | 54365 | 36543 | 54365 | 543 |

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #198 March 2014

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

NUMBERS & ODDITIES <http://www.numbersoddities.nl>

SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>

UTILITY DXERS FORUM (UDXF) <http://www.udxf.nl>

START PAGE <http://home.luna.nl/~ary>

HF UNDERGROUND <http://www.hfunderground.com/board/>

Wow, what a month !!! First the unfortunate Ukrainian situation which resulted in an enormous amount of numbers transmissions and also new formats. The new formats received temporarily Enigma designators. Then totoCZ surprised us with the news that he received a confirmation that OLX really was a spy station. Good job toto!! After that Malaysian flight MH 370 disappeared and many dxers tried to copy the SAR activity. The numbers and military dx results are in this issue. Thanks to all dxers who shared their logs with us.

Here is the list of temporarily designators so far:

M901 - Assigned 29 Jan 2014 (Station under investigation)

Temporary holding ID for CW station using the call-sign KLM. Sends extremely fast single 5f grp msgs. Ends QRU QRU SK SK Sked on 16720 kHz, 0810z QSX on 20112 kHz (c/s APW). Switched to Baudot 50/500 on Feb 10th 2014.

E907b - Assigned 06 Mar 2014 (Station under investigation)

Temporary holding ID for voice variant belonging to Family I. First heard Wed 05 Mar on 10250 kHz. Possibly related to Russia / Ukraine conflict. Format as E07 with additional 3 fig grp in call-up e.g. 123 123 123 1 334 Voice similar - but not the same as E06. Msg uses single 5 fig grps. Ends 000 000

M912b - Assigned 13 Mar 2014 (Station under investigation)

Temporary holding ID for Morse variant of M12. First heard Wed 05 Mar & confirmed Wed 12 Mar on 10250 kHz at 1928z. Morse equivalent of E907b heard operating on the same freq. Format as M12 with additional 3 fig grp in call-up e.g. 223 223 223 1 656

M912c - Assigned 14 Mar 2014 (Station under investigation)

Temporary holding ID for Morse variant of M12. First heard Thu 13 Mar on 10250 kHz at 2043z. Format as M12 but uses single figure call-up e.g. 1 (R2m)

S906g - Assigned 02 Apr 2014 (Station under investigation)

Temporary holding ID for voice variant of S06. First heard Sun 02 Mar on 11073 kHz. Uses S06 voice. Format as S06 with additional 5 fig grp in header e.g. 352 352 352 63524 719 40

I received a very interesting mail from totoCZ regarding the former Czechoslovak numbers station OLX (S05). Thanks for forwarding it toto!

Hello numbers stations fans..

Sometimes not going to sleep and instead randomly emailing your government at 5 AM about spy stuff can be a bad idea.. However as it turns out - it wasn't a bad idea in my case at all!

I e-mailed the Czech Ministry of Interior with some S05 OLX audio samples and a picture of Simon Mason's QSL card from this old Czech numbers station, expecting a denial, or even nothing in return... But what a surprise - they actually admit OLX was a Czech(oslovak) spy station! Here's the full email (translated by me) as sent by Petr Cink from 5th Secretariate (IT/Comms department) of the Czech Ministry of Interior, which officially admitted to running - and sent QSL cards from this station in the 1990's..

Thank you very much Petr!

Hello,

It was shortwave broadcasting into foreign countries, which was being conducted by the Úřad pro zahraniční styky a informace [Office for Foreign Relations and Information] (formally belonging under Ministry of Interior). Confirmation of listener's reports was probably done by someone from the Mol's old Section of Communications, probably the operations department, that was seated in 6th floor in Olšanská (the address was Box 21/SK).

Mol has already stopped shortwave broadcasting many years ago under then-current administration. It is worth adding that ÚZSI is the Czech Foreign Intelligence service, and that they have no other agenda but to.... well, spy.

So, there you have it. Some countries actually have balls to admit what the numbers really mean. :-)
KONEC! -totoCZ-



Above and below a QSL card that I received from OLX back in September 1994 -Ary-

DEAR FRIEND ! *ARY*

RADIO STATION OLX THANKS YOU FOR YOUR REPORT ABOUT

RECEPTION OF ITS TRANSMISSION ON THE *22-09-1994*

AT *1400* GMT ON FREQUENCY (IES) *8142*

..... kHz

OUR ADDRESS IS :

MINISTERSTVO VNITRA ČR
P. B. 21/SK
170 34 PRAHA 7

73!

VOICE STATIONS



E06

10166 kHz, 04-03, 1840 UTC: E06

634 907 51
02710 87674 47914 72468 16810 95438 43417 42812 32496 61719
10302 16760 76540 57976 13208 31503 68049 73148 20462 63564
17153 85872 59026 53159 93604 09501 06184 72905 32817 71920
78394 49151 26769 53585 04082 68946 69570 26583 42180 49450
91432 41516 97696 29254 90128 84096 97637 87485 16751 29305
75219
907 51 00000

10371 kHz, 04-03, 1540 UTC: E06

784 206 81
75279 80102 45844 79004 73637 48773 48514 63448 23886 02963
48161 74991 97261 93749 49660 60445 15004 38244 68128 18223
58311 63113 15296 73940 65109 82186 56287 08078 87081 75334
72747 15366 05380 60798 93260 00608 28475 78167 76981 40614
20564 24190 61437 66932 33990 08601 10415 49070 44098 22159
22899 82890 09969 34077 88964 13877 09474 61031 03600 49937
22081 74948 74355 43461 57854 41740 83798 47291 56075 08190
92673 74310 01942 79166 94735 15335 34763 52360 59172 94990
46096
206 81 00000

16083/12149 kHz, 04-03, 1340/1430 UTC: E06a + E06

346 346 346 681 2 11111 00063
681 2 346 346 346 975 42
62694 95657 13195 85173 48541 46093 18260 47538 19275 45327
40694 09187 32708 17071 02104 69654 23920 76560 92592 29751
09106 19848 72723 04524 20148 32576 98590 43158 39162 13584
25380 46321 87327 14949 79159 96279 62958 20610 49698 10984
57834 26486
975 42 00000

10166 kHz, 05-03, 1840 UTC: E06

634 907 51
02710 87674 47914 72468 16810 95438 43417 42812 32496 61719
10302 16760 76540 57976 13208 31503 68049 73148 20462 63564
17153 85872 59026 53159 93604 09501 06184 72905 32817 71920
78394 49151 26769 53585 04082 68946 69570 26583 42180 49450
91432 41516 97696 29254 90128 84096 97637 87485 16751 29305
75219
907 51 00000

16083 kHz, 06-03, 1340 UTC: E06a.

346 681 2 11111 00064 681 2 346 346 346
Note: the previous message was sent on 04-03 (681 2 11111 00063)

5186 kHz, 06-03, 2038 UTC:

891 (rptd) 8 819 (followed by audio problems and silence) 891 (rptd) 237 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
237 20 00000

5198 kHz, 07-03, 2045 UTC:

634 (rptd) short music 634 (tone) 6 (stopped; voice: "Кинокомпания Уорнер..." (Kinokompaniya Uorner) = "Cinema company Warner...". It is the beginning of a sound track of a foreign dubbed or voice-over film in Russia.

The normal transmission started at 2130 UTC:

634 128 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
237 20 00000

5186 kHz, 06-03 & 20-03, 2041 UTC:

891 237 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
237 20 00000

5197 kHz, 21-03, 2130 UTC:

634 128 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
128 20 00000



E07

8147/6847 kHz, 28-02, 1630/1650 UTC: E07a

318 1 13723 2370 77
54876 24608 09900 77129 64756 10261 13798 62145 46842 71239
65133 65340 21819 91224 38843 66082 70232 83003 51673 04207
37590 01995 65871 33932 34261 37725 48814 23369 24163 72001
82466 45927 36756 72906 44798 66735 64589 97155 21443 59943
08020 63505 95140 77468 06135 24231 79841 95064 14781 63236
25250 64853 93375 99210 44998 62954 03493 41749 71367 72365
70986 98597 21574 76505 49996 11556 02698 38843 52804 67892
32848 50638 53976 50832 59764 77325 54027
000 000

5864/5164/4564 kHz, 05-03, 2100/2120/2140 UTC, E07a:

815 1 39299 4330 53
37517 99642 68239 01531 01986 22217 85433 85781 45671 56790
01799 78835 86715 47253 24230 65392 72611 33904 61481 76655
39614 34941 00723 43449 56362 29609 21677 99620 13452 76133
88821 38781 92686 84972 29712 69124 06369 71772 60905 02478
53808 05541 24500 15513 02729 07333 09613 24548 69045 24359
73995 10214 52274
000 000

14390 kHz, 17-03, 1602 UTC

123 123 123 1 (2m)
456 17 456 17
18005 61165 60719 42491 56148 76424 05814 86458 96844 83071
50322 10425 82226 49908 60414 94106 84028
123 123 123 1 (x5)
000 000



E907b

Following a newly discovered numbers format sent by the Russians, ENIGMA designated a new temporarily ident: **E907b**.

Paul from ENIGMA 2000 explains:

Whilst the synthesised voice is an off tone E06 chant the structure of the transmission almost matches E07a, especially with the ending 000 000.

In addition to this the E06 call up is usually ~ 3m45s; that of the E07/E07a ~ 2m00s. The call up in particular is 2m00s.

Once more is known about this apparently new station then the ident will reflect that.

Until such time please state E907b

I have compiled the various parts of the E07/ E907b string of messages. I copied part of it myself but the largest part was supplied by Dude 1300 via Priyom.org. The last missing part comes from Richard at ENIGMA 2000.

Great stuff guys. Here is the complete picture, starting at 1953 UTC and the last message was at 2100 UTC.

10250 kHz, 05-03-2014, 1953 UTC:

456 456 456 1 123
9233 29 9233 29
42854 72637 8 stopped

10250 kHz, 05-03-2014, 2013 UTC:

456 456 456 1 123
42854 72637 83220 31425 26673 74173 43613 88203 83822 83572
18326 64116 31803 46170 38376 76444 47351 40335 37038 64886
11767 24458 80561 56377 43615 57078 27562 20668 04746
000 000

10250 kHz, 05-03-2014, 2018 UTC:

456 456 456 1 123
64886 11767 24458 80561 56377 43615 57078 27562 20668 04746
000 000

10250 kHz, 05-03-2014, 2025 UTC:

123 123 123 1 334 4726 24
86414 44323 40722 21104 74662 87243 06631 11766 87256 64764
43475 48884 62783 62410 02334 01175 30507 62866 12720 68328
30653 18125 27030 55706
000 000

10250 kHz, 05-03-2014, 2033 UTC:

123 123 123 1 334 4726 24
86414 44323 40722 21104 74662 87243 06631 11766 87256 64764
43475 48884 62783 62410 02334 01175 30507 62866 12720 68328
30653 18125 27030 55706
000 000

10250 kHz, 05-03-2014, 2048 UTC:

123 123 123 1 334 7011 26
40731 16317 81221 78222 07628 07107 77828 77643 06207 73661
60405 63430 24220 01833 02672 25531 61381 63152 42240 44806
53320 32543 06022 11213 60318 78266
000 000

10250 kHz, 05-03-2014, 2056 UTC:

123 123 123 1 334 7011 26
40731 16317 81221 78222 07628 07107 77828 77643 06207 73661
60405 63430 24220 01833 026 stopped

10250 kHz, 05-03-2014, 2100 UTC:

123 123 123 1 334
07628 07107 77828 77643 06207 73661 60475 63430 24220 01833
02672 25531 61381 63152 42240 44806 53320 32543 06022 11213
60318 78266
000 000

10250 kHz, 13-03, 2137 UTC / 10256 kHz, 13-03, 2151 UTC / 10250 kHz, 13-03, 2200 UTC:

667 667 667 1 329
3842 29 3842 29
60077 46642 87251 08153 62504 47687 54847 41555 76421 53318
48242 33832 50755 37775 82484 07388 14402 61314 11220 67767
64548 23382 50041 14737 13534 68186 18501 58800 27387
000 000

10250 kHz, 16-03, 1048 UTC / 10250 kHz, 16-03, 1140 UTC / 11480 kHz, 16-03, 1144 UTC:

123 123 123 1 456 17
18005 61165 60719 42491 56148 76424 05814 86458 96844
83071 50322 10425 82226 49908 60414 94106 84028
123 123 123 1 000 000



E11/ E11a

13455 kHz, 01-03, 1810 UTC:

985/10 Attention
43142 46789 57786 53840 42538 91438 63690 92735 72292 61908
Attention, msg rptd, out

5194 kHz, 07-03, 1710 UTC:

957/30 Attention
77843 01701 35975 50867 25133 48621 92662 11926 88920 85377
19155 07236 85913 39676 22210 16103 99864 43450 93361 98909
89479 81359 42677 17287 32817 64849 50828 61466 57031 83996
Attention, msg rptd, out

13375 kHz, 08-03, 1400 UTC:

988/10 Attention
91503 21818 32242 30217 11223 71969 77013 91152 36860 00780
Attention, msg rptd, out

13455 kHz, 08-03, 1810 UTC

985/10 Attention

87969 62787 54873 21283 90561 29419 51626 07187 73073 76432

Attention, msg rptd, out

15912 kHz, 09-03, 1540 UTC

222/32 Attention

74674 57295 99442 33485 44346 09654 54454 00311 16358 15821

41464 85242 91652 73897 91142 68105 42010 64989 37682 71538

14761 92907 02012 59171 80232 67380 29227 85490 49016 68408

40590 17098

Attention, msg rptd, out

13375 kHz, 10-03, 1110 UTC

952/31 952/31 952/31 952 off;

back with 27 80127 42553 91885 75345 38764 68935 83331 62429

71280 81869 01516 84844 79857 15672 95705 56204 43228 23370

00193 34109 69154 55191 35845 09104 19725 96117 10357 76562

83088

Attention

15719 70390 80127 42553 91885 75345 38764 68935 83331 62429

71280 81869 01516 84844 79857 15672 95705 56204 43228 23370

00193 34109 69154 55191 35845 09104 19725 96117 10357 76562

83088

Out

9371 kHz, 13-03, 1730 UTC

414/33 attention

17170 81485 29195 50292 14172 86305 12257 28914 40437 18014

17130 65613 53471 98638 38518 87692 02861 77801 49510 75211

39321 97552 78411 59192 50989 17360 86693 97358 46239 70814

86503 79143 71466

Attention, msg rptd, out

5194 kHz, 14-03, 1820 UTC

953/24 attention

70676 78274 59209 08905 28206 28832 57822 04487 10831 70043

12620 06756 65383 36109 66879 34246 86539 20963 23259 79364

74630 02618 76410 57009

Attention, msg rptd, out

13375 kHz, 15-03, 1400 UTC

983/10 attention

97667 40444 93433 33444 58092 57789 99994 54820 47309 33871

Attention, msg rptd, out

4909 kHz, 15-03, 1445 UTC

281/35 attention

14674 14963 25165 28276 93475 39552 67817 94486 45994 59242

98585 79059 08835 20286 10592 15613 02874 22534 98471 12903

51934 50849 02355 07353 07154 35922 42088 86235 56695 62961

41676 14098 96232 83360 49277

Attention, msg rptd, out

15915 kHz, 19-03, 1155 UTC:

717/33 Attention
63015 00716 26054 59138 61728 55155 21233 44352 23881 27128
39103 33144 69275 52447 63988 85657 91538 33446 00963 64154
66667 30196 78230 22511 65090 30883 90298 82105 42148 60445
91940 13015 71812
Attention, msg rptd, out

15915 kHz, 20-03, 1155 UTC

717/33 Attention
63015 00716 26054 59138 61728 55155 01033 44532 23881 27128
39103 33144 69275 52447 63988 85657 91538 33446 00963 64154
66667 30196 78230 22511 65090 30883 90298 82105 42148 60445
91940 13015 71812
Attention, msg rptd, out

13375 kHz, 21-03, 1110 UTC

956/40 Attention
44531 65760 76122 46384 79265 69245 84263 75663 65897 81132
26419 40373 00004 79192 83766 93098 53136 75486 57803 15180
72316 64268 25813 57779 98454 19589 14567 03026 62344 37903
40399 21385 92741 73817 68712 33037 39796 87690 20303 51281
Attention, rpt msg, out

5194 kHz, 28-03, 1710 UTC

957/29 Attention
97732 32722 89863 19379 51386 34824 67670 30593 88020 31160
31934 33582 88466 44988 16813 41777 30561 81282 85983 54489
83256 74829 62388 60262 53456 56273 09670 06445 02698
Attention, rpt msg, out

13375 kHz, 29-03, 1400 UTC

987/10 Attention
85692 02457 81602 29221 32512 05627 40061 65288 74108 89313
Attention, rpt msg, out

13455 kHz, 29-03, 1810 UTC

986/10 Attention
72637 93545 31344 81516 24754 45089 51485 19536 23663 96772
Attention, rpt msg, out



E25 / E25a

E25 on a new frequency !! Found by Paul H.

18240 kHz, 26-03, 0846 UTC / 18240 kHz, 27-03, 0845 UTC

165 165 165 165 165 165 165 165 165 165 165 165 165 165 165
MESSAGE MESSAGE MESSAGE
4042 7170 1764 5856 0776 5585 5169
REPEAT REPEAT REPEAT
4042 7170 1764 5856 0776 5585 5169
END OF MESSAGE
END OF TRANSMISSION



G06

5422 kHz, 14-03, 1930 UTC

479 479 479 repeated for 3m54s, then changed to 475 422 532 532 20 20

Message (groups repeated):

06132 75514 79681 94217 21443 31441 81797 17512 62689 33193
48930 93432 25709 93628 48683 18809 85052 49870 63962 04884
532 20 000000

I copied the station but it was too noisy to get a copy that was clear enough to decode it properly. Thanks to Gary, Andy and Paul for your recordings and for your help.

5934 kHz, 27-03, 1830 UTC

579 231 20

14259 22676 32782 32782 76723 89409 12215 74326 64272 92235
38285 59543 12319 74238 36664 12256 18841 73311 98089 12252
231 20 00000



S06

9131 kHz, 02-03, 1710 UTC: S06

480 271 45

26968 41395 63128 96786 40981 20337 35927 48027 34648 30416
98984 84605 62433 92695 18405 48811 46057 69549 98345 46084
51275 56631 32823 01662 61147 39116 81816 88102 52005 49441
82278 69397 10380 76271 14863 88731 73774 73536 63766 95243
28064 45881 72465 94685 14422
271 45 00000

10755 kHz, 02-03, 1530 UTC: S06

Note: no key and group count in the header and only 49 groups instead of the announced 60 groups.

975

32704 97280 16261 99978 29269 87367 51752 46362 24097 67367
37577 87332 01749 87487 36861 73936 69578 20133 64722 22271
85593 17903 72033 01030 39911 39666 69510 20703 44526 68125
59324 60377 11065 67337 66415 93073 21208 53601 86707 95555
19488 78167 94400 53546 83130 45202 75535 98294 48634
148 60 00000

10755 kHz, 02-03, 2220 UTC: S06, troublesome transmission

975 975 975 (9x)

18736 53?60 47124 07216 83081 84569 53507 84245 85882 47282
12877 20338 38712 38 stopped

975 (x17) 97 975 975 975 975 975 08 975 (x19)

85882 47282 82877 21338 28712 29040 63520 02874 73897 11584
57186 77807 90163 54286 91989 17939 19736 28142

975 975 975 975 975 975
54286 91989 17939 19736 38412 53444 11827 09662 02482 05061
06154
620 620 38 38 00000

9131 kHz, 04-03, 1700 UTC: S06

480 536 41
37428 93523 64082 66656 82322 41345 47287 45244 79990 55125
53932 84261 81065 15116 11647 59750 38171 67320 81254 14901
93502 03509 36186 95310 79960 07326 52160 18011 51109 63456
71343 84626 12319 77855 15874 69732 20702 50068 21427 56804
68700
536 41 00000

10386 kHz, 04-03, 1600 UTC: S06

387 692 55
70527 47170 75037 67847 75264 34184 28254 86069 39497 28716
61650 47264 38745 31804 93250 95743 92891 34172 20240 16208
85743 14636 53859 50920 36580 60645 32652 25416 36714 63948
05310 61018 93591 69235 78717 70963 63598 35492 21970 31519
19346 96408 10748 12834 58025 92747 35021 53571 06971 82757
76734 79459 93902 28043 74513
692 55 00000

9131 kHz, 04-03, 1700 UTC: S06

480 536 41
37428 93523 64082 66656 82322 41345 47287 45244 79990 55125
53932 84261 81065 15116 11647 59750 38171 67320 81254 14901
93502 03509 36186 95310 79960 07326 52160 18011 51109 63456
71343 84626 12319 77855 15874 69732 20702 50068 21427 56804
68700
536 41 00000

14913 kHz, 04-03, 1500 UTC: S06

387 692 55
70527 47170 75037 67847 75264 34184 28254 86069 39497 28716
61650 47264 38745 31804 93250 95743 92891 34172 20240 16208
85743 14636 53859 50920 36580 60645 32652 25416 36714 63948
05310 61018 93591 69235 78717 70963 63598 35492 21970 31519
19346 96408 10748 12834 58025 92747 35021 53571 06971 82757
76734 79459 93902 28043 74513
692 55 00000

18198 kHz, 04-03, 1420 UTC: S06c 11087

14836 kHz, 04-03, 1430 UTC: S06c 11087

9463 kHz, 13-03, 0840 UTC: S06

801 473 52
59789 72451 86879 57115 36290 84784 78444 68318 78244 19450
52329 20839 58193 15200 57596 10789 87924 62108 74996 71461
49895 27407 90731 56428 06471 70463 14233 51643 54197 82869
22765 14990 15273 14554 35672 66699 83414 71872 48577 79097
66309 98607 82127 39090 91834 75817 24985 81856 70231 01466
75737 19159
473 52 00000

9131 kHz, 12-03, 1700 UTC: S06

480 351 44
38242 46045 56619 94601 82040 46795 69921 55941 15903 64313
91653 67421 97700 61483 28452 43208 78646 87137 43262 04309
72604 93390 46472 76509 47464 91755 34140 31170 87099 87476
50135 80378 77662 36926 77384 32258 43795 81190 22191 26184
16869 81013 09636 99271
351 44 00000

15721 kHz, 18-03, 0401 UTC: S06

480 273 50
02493 74982 60720 12803 49996 43796 96734 29867 06490 13301
35181 55527 95999 37084 86356 28077 18937 37015 33606 09221
83816 30532 13508 03805 99597 61153 12185 60097 70880 43750
32413 24079 63100 56315 11217 46181 29941 51767 92641 63890
20146 54726 85389 08681 05897 75207 60004 10690 99975 62545
273 50 00000

15721 kHz, 19-03, 0400 UTC: S06

480 159 50
17448 82818 58650 63508 45223 10576 94501 91260 42369 67805
36086 66115 00035 16764 02285 95446 44920 15047 25558 48970
62683 51372 79616 90851 52306 86134 16024 31510 78600 82772
74408 47337 15051 40574 85978 42115 94175 65376 71027 48237
07589 38573 28107 01349 22969 70692 45572 66822 60096 50363
159 50 00000

9255 kHz, 19-03, 0830 UTC: S06s

470 295 6
79302 53516 25616 56069 82963 24162
295 6 5 00000

9078/10148 kHz, 21-03, 0600/0610 UTC: S06s

934 267 5
40075 49268 55261 81283 58606
267 5 00000

7795/8695 kHz, 21-03, 0700/0710 UTC: S06s

196 203 5
90138 82551 36313 80212 40792
203 5 00000

8695 kHz, 21-03, 0710 UTC: S06s

196 203 5
90138 82551 36313 80212 40792
203 5 00000

12140/13515 kHz, 21-03, 0930/0940 UTC: S06s

516 927 8
39534 17228 15636 34140 78386 60583 89617 25757
927 8 00000

7359 kHz, 30-03, 1700 UTC: S06

480 326 40
34507 52090 24544 08172 34242 12897 44405 90742 88350 16349
96209 52957 46195 69442 67819 76785 19672 16034 48159 48597
13982 31355 28220 76863 98143 60279 90337 71635 06269 35975
25259 82385 32074 31883 76448 05336 74694 70217 45945 94752
326 40 00000

S06 variants or S25???

18176 kHz, 05-03, 1420 UTC: S06

220 220 220 00381
220 220 220 08181
22222 07901
22222 09271
22222 00000
00000

9463 kHz, 13-03, repeated for 30 minutes, probably testing

0810 UTC: 801 801 801 801 801 801
0835 UTC off and at 0836 UTC back on: 801 801 801 801 801

6779 kHz, 18-03, 1155 UTC

808 28069

5783 kHz, 17-03, 1200 UTC

11929 (R2m) 11111 11111 55555 55555
18052 18052 18659 18659 12032 12032 11168 11168 13270 13270
00000 00000

Looks like a S06c with message. The 11111 group probably means 1 message. The 55555 group probably means 5 groups.



S906g

E906g - Assigned 02 Apr 2014 (Station under investigation)

Temporary holding ID for voice variant of S06. First heard Sun 02 Mar on 11073kHz.

Uses S06 voice. Format as S06 with additional 5 fig grp in header e.g. 352 352 352 63524 719 40

11073 kHz, 02-03, 2130 UTC: S906g

352 352 352 63524 719 40
46569 05367 59219 95979 83214 91269 89517 88400 35033 24222
50029 02034 20189 43061 50052 33925 51721 27021 30950 91852
48281 43166 72060 67586 19185 65400 54499 99701 97223 32251
18830 05626 17653 35607 77497 87614 66826 57602 68008 42342
719 40 00000



S11a

4016 kHz, 12-03, 1955 UTC / 4016 kHz, 14-03, 1955 UTC

371/32 Vnimanie

93695 91511 00552 05591 02244 17058 69313 05793 92147 55369

37320 03099 44727 87927 51411 79151 54347 27844 38682 17991

42396 63690 19403 62789 80896 94321 41108 07064 24892 61267

53089 89120

Vnimanie, rpt msg, Konec

7317 kHz, 21-03, 0915 UTC

486/34 Vnimanie

10467 75370 58380 35220 24576 21695 61562 50735 73191 14495

32127 82546 08511 80676 95454 67789 37716 35845 32479 17580

88099 84040 55365 90463 59551 09710 87524 14445 67859 50782

03818 13713 48893 52492

Vnimanie, rpt msg, konec



S28 - The Buzzer

Mode: USB

Frequency: 4625 kHz

13-03, 1313 UTC

MDZhB 81 951 AGATUV 13 21 58 BARIETc 95 18 26 33 DIAKARB 18 19 49 51 LIYUAZ90 47 96 78 Priyom

17-03, 0359 UTC

MDZhB 49 25 VERHOVShIK Priyom

17-03, 0409 UTC

MDZhB 26 47 VERUNOK 67 69 VERSTNYJ Priyom

17-03, 1611 UTC

MDZhB 72 06 ShshERSTINKA Priyom

18-03, 1600 UTC

MDZhB 81 26 TERRAKOTA Priyom

20-03, 1124 UTC

MDZhB 39 926 ChINAURI 24 13 29 71 Priyom

27-03, 1127 UTC

MDZhB 88 060 IAL sboj sboj sboj BORIS sboj sboj sboj MDZhB 88 473 MALOGEN 29 67 06 85 Priyom



S30 - The Pip

Modes: CW (Pip), USB (messages)

Frequencies: 3756 kHz (night), 5448 kHz (day)

3756 kHz, 3-3, 1820 UTC: Dlya SB7Z 8MUO TUZR 5Y7ShCh 37ShCh' N1DU 53OB 78MV 12TSI 79AY, kak slyshno, kak slyshno, priyom

3756 kHz, 6-3, 1707 UTC: Dlya DMTS3 49FT TS2ZA LI27 INNTS ShChGYP 8TSShChY TZLM FY5E F51N, kak slyshno, priyom



S32 - Squeaky Wheel

Mode: USB

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

3828 kHz, 5-3, 1740 UTC: AL'FA-45 29 101 YeZATKAN 14 41 79 87 VERNIN 86 52 78 68 priyom



S6930

Frequencies: 3218.6 and 6930 kHz
Mode: USB

| | |
|---------------------------|---|
| 6930.0 kHz, 2-3, 1117 UTC | Katok-65 29 889 KURTKA 86 72 38 98 Priyom |
| 3218.5 kHz, 2-3, 2011 UTC | Katok-65 74 422 KINOTAVR 80 09 83 32 priyom |
| 6930.0 kHz, 3-3, 0803 UTC | Katok-65 55 370 SANTEKHNİK 76 89 34 62 priyom |
| 6930.0 kHz, 3-3, 1102 UTC | Katok-65 47 743 LINEYKA 11 13 33 34 priyom |
| 3128.5 kHz, 3-3, 2004 UTC | Katok-65 34 425 ZHILA 54 67 38 82 priyom |
| 6930.0 kHz, 5-3, 1109 UTC | Katok-65 29 135 RELIGIYA 63 68 99 38 priyom |
| 6930.0 kHz, 5-3, 1109 UTC | Katok-65 29 135 RELIGIYA 63 68 99 38 priyom |
| 3218.5 kHz, 5-3, 1704 UTC | Katok-65 37 654 OGON' 66 52 37 83 PRIYEM |
| 6930.0 kHz, 6-3, 1401 UTC | Katok-65 66 368 KANATCHIK 39 35 44 50 priyom |
| 6930.0 kHz, 6-3, 1401 UTC | Katok-6566 368 KANATCHIK 39 35 44 50 priyom |
| 3128.5 kHz, 6-3, 2000 UTC | Katok-65 90 252 RASTUN 26 38 24 68 priyom |



V07

18074/15864/14374 kHz, 09-03, 0100/0120/0140 UTC

883 883 883 1 373 51
 45293 48392 99394 55430 34334 08849 35455 42043 38815 18882
 98593 77375 14419 27439 43877 39328 11233 23349 35517 11175
 14575 73903 33042 97084 35578 20224 59358 28081 39435 17540
 87719 73558 37501 02045 57793 30723 31001 15411 90781 73372
 30473 02970 72931 45212 02192 24488 13315 49221 43251 48185
 30414
 000 000

18074/15864/14374 kHz, 30-03, 0100/0120/0140 UTC

883 883 883 1 375 119
 70318 35415 18320 04882 10884 83599 81321 34233 35229 34551
 22373 20831 91784 18471 74744 18378 44033 89328 82520 40359
 83802 02518 35917 97393 94259 15220 77047 47298 92222 50875
 56952 01747 20193 83240 31942 50508 34720 45935 45410 54131
 93219 87007 13713 22045 92979 27982 87771 75989 41238 82589
 59283 42332 25485 39783 99540 01798 19544 43523 32373 31195
 15352 54973 55012 32351 57329 28238 22804 33059 70537 71124
 09879 31702 37780 74807 31003 78200 57934 53957 59793 45213
 82340 54923 47301 83044 32137 93881 29223 54589 48502 91301
 52317 43519 55830 11881 28075 10147 39331 31514 35300 27093
 74085 31385 45329 30880 29433 57103 87321 47042 95014 39338
 99093 30225 48285 37834 50232 49948 47221 34289 34038
 000 000

V07 schedules provided by Token! THANKS for that.

V07 Observations, May of 2011 to June of 2013

Station transmits each Sunday morning (UTC) at the listed time.
 Transmissions are on the listed frequencies and in USB mode.

| Time UTC | January Call 661 | February Call 329 | March Call 883 | April Call 845 | May Call 511 | June Call 112 | July Call 512 | August Call 845 | September Call 661 | October Call 883 | November Call 883 | December Call 661 |
|----------|------------------|-------------------|----------------|----------------|--------------|---------------|---------------|-----------------|--------------------|------------------|-------------------|-------------------|
| 0100 | 16037 | 18368 | 18074 | | | | | | | 18074 | 18074 | 16037 |
| 0120 | 14637 | 16268 | 15874 | | | | | | | 15874 | 15874 | 14637 |
| 0140 | 12137 | 13968 | 14374 | | | | | | | 14374 | 14374 | 12137 |
| 0300 | | | | 14823 | | | | | 16037 | | | |
| 0320 | | | | 13423 | | | | | 14637 | | | |
| 0340 | | | | 11523 | | | | | 12137 | | | |
| 0500 | | | | | 13582 | | | 14823 | | | | |
| 0520 | | | | | 12182 | | | 13423 | | | | |
| 0540 | | | | | 11182 | | | 11523 | | | | |
| 0700 | | | | | | 12182 | 13582 | | | | | |
| 0720 | | | | | | 11182 | 12182 | | | | | |
| 0740 | | | | | | 10282 | 10282 | | | | | |



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Current schedules

Station #?: 9276 kHz, 0200, 0300, 0400 UTC.

Station #3: 8300 kHz, 0500 and 0600 UTC.

Station #4: 9522 kHz, 0700 and 0800 UTC

Station #4: 8300 kHz, 1200 and 1300 UTC

Note: not all the skeds are not always on the air



V24

In a mail to UDXF, Token writes:

I have worked out a new schedule for V24. I am still calling it the "V24 / M94 Schedule", however M94 has not been seen since November of 2013, so is probably inactive.

I am almost certain there is at least one more new frequency to be found for V24, and possibly that one will carry M94. Note that the new schedule includes the newly found freq of 5290 kHz. The 2 oldest frequencies that V24 has used, 6215 and 5115 kHz, now appear to be unused. Quite the shame since 6215 has been in use for many years.

Also note that V24 has gone to more slots that are only active every other month. In the past these were a fair minority, now they appear to be about half the schedule.

| Day | 1240 | 1300 | 1330 | 1400 | 1430 | 1500 | 1530 | 1600 | 1630 |
|-----|------|---------|--------|------|------|------|--------|------|------|
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | 6310 | | 6310 * | | |
| 6 | | | 6215 ? | | 6310 | | 6310 * | | |
| 7 | | 4900 * | | | | | | | |
| 8 | | 4900 * | | | | 5290 | | | |
| 9 | | | | | | 5290 | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | 4900 * | | | | | | | |
| 13 | | 4900 * | | | | | | | |
| 14 | | 6310 ** | | | | | | | |
| 15 | | 6310 ** | | | 6310 | | | | |
| 16 | | | | | 6310 | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | 5290 | | | |
| 19 | | | | | | 5290 | | | |
| 20 | | | | | | | | | |
| 21 | | | | | | | 6310 * | | |
| 22 | | 6310 ** | | | | | 6310 * | | |
| 23 | | 6310 ** | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | | | | | |
| 26 | | | | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |

New frequency of 5290 kHz first noted February 8, 2014. Former freq of 5115 kHz appears no longer used, long time frequency of 6215 kHz seen one time in three months, possible error transmission. I strongly expect at least one more frequency is in use that has not been found yet.

M94 appears inactive, not seen since November, 2013

? = only seen one time, possible error transmission

* = seen only on alternate months, odd months (Jan, Mar, May, etc)

** = seen only on alternate months, even months (Feb, April, June, etc)

<http://www.pbase.com/token/image/154993851/original.jpg>



V30
Vietnamese numbers

10255 kHz, 06-3, 1610 UTC: in progress

10255 kHz, 24-3, 1600 UTC: Vietnamese OM reading numbers



VC01 - Chinese Robot Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5592, 5700, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

5820 kHz, 02-03, 1702 UTC, LSB

9129 kHz, 03-03, 1702 UTC, USB

4180 kHz, 14-03, 2145, 2202 UTC, USB



VC03 Chinese Air Defense network

11484 kHz LSB, 15-03, 2145 UTC.

6713 6713 this is 7432

6713 6713 this is 7432

6713 6713 this is 7432

FSK bursts

Copied by Nick. Nice catch! Thanks to Sferix for the translation

MORSE STATIONS



MX Russian Military beacons

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 4325.9, 5465.9 kHz

W 5835, 8029, 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

Channel markers:

L - 6928 kHz

P - 8484.5 kHz (off frequency??)

R - 4325.9 kHz

V - 3658, 4084, 6463.6 kHz

W - 8029, 8170 kHz

Z - 8029, 8170 kHz



M01 / M01a

5406 kHz, 09-03, 1320 UTC: 602 602 602 99389 (R3)
602 602 602 92964 (R3)

5107 kHz, 04-03, 2120 UTC: 126 126 126 38170 38170 (R3)
126 126 126 36070 36070 (R3)
126 126 126 000

5474 kHz, 13-03, 1800 UTC: 463 293 30 =
56152 94475 31032 27987 90715 56194 35657 99877 30560 12192
28128 54196 72101 72213 17826 04630 79896 39265 11363 28638
60493 05647 62961 19094 22083 13862 51156 67680 91506 58238
= 293 30 000 000

4604 kHz, 15-03, 1751 UTC: i.p. 972 972 972 333 68517 333 68517
972 972 972 333 60017 60017
111
972 972 972 333 68927 68927 (Cont'd)
972 972 972 333 69927 69927 (Cont'd)
972 972 972 333 69457 69457 (Cont'd)
972 972 972 000

10231 kHz, 28-03, 0630 UTC: 234 234 234
77578 13619 77285 68923 46236 76562 65625 62376 71657 12896
56710 64057 16506 50160 68160
111
000



M08a Dirección General de Inteligencia

Schedules: see HM01

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|-----------------------------------|
| 8009 | 3-3 | 2303 | Mon | Cuban cut nbrs |
| 8009 | 5-3 | 2307 | Wed | Cuban cut nbrs |
| 8135 | 6-3 | 2312 | Thu | Cuban cut nbrs |
| 7554 | 7-3 | 2000 | Fri | Cuban cut nbrs GWTRN TRITN NTGAN |
| 7554 | 8-3 | 2000 | Sat | Cuban cut nbrs AGNRN NNWTA DWTNN |
| 8009 | 10-3 | 2300 | Mon | Cuban cut nbrs RTWNA IDGWA GRDIN |
| 7554 | 14-3 | 2000 | Fri | Cuban cut numbers |
| 7553.5 | 18-3 | 2001 | Tue | Cuban cut nbrs |
| 8135 | 18-3 | 2312 | Tue | Cuban cut nbrs |
| 8095.7 | 19-3 | 1402 | Wed | Cuban cut nbrs. TWUAN AGGUA NNNRW |
| 8009 | 19-3 | 2309 | Wed | Cuban cut nbrs. |
| 7554 | 20-3 | 2008 | Thu | Cuban cut nbrs |
| 8135 | 20-3 | 2329 | Thu | Cuban cut nbrs |

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|--|
| 8097 | 21-3 | 1402 | Fri | Cuban cut nbrs: UNIIA = = = |
| 8097 | 22-3 | 1401 | Sat | AGNRN NNWTA DWTNN Cuban cut nbrs |
| 8095.5 | 23-3 | 1403 | Sun | AGNRN NNWTA DWTNN Cuban cut nbrs |
| 7554 | 23-3 | 1958 | Sun | AGNRNB NNWTA DWTNN Cuban cut nbrs |
| 8009.1 | 24-3 | 2308 | Mon | Cuban cut nbrs |
| 8095 | 25-3 | 1400 | Tue | DARIA UUTAN WRUUA Cuban cut nbrs |
| 8135.4 | 25-3 | 2300 | Tue | IIGNN GANWA TUWIA Cuban cut nbrs |
| 8009 | 26-3 | 2317 | Wed | Cuban cut nbrs |
| 8097 | 28-3 | 1419 | Fri | Cuban cut nbrs |
| 8134.8 | 28-3 | 2310 | Fri | Cuban cut nbrs. Should be on 8009 kHz |
| 8096 | 29-3 | 1446 | Sat | Cuban cut nbrs |
| 7554 | 29-3 | 2000 | Sat | Cuban cut nbrs DWTNN AGNRN NNWTA |
| 8096 | 31-3 | 1400 | Mon | Cuban cut nbrs |
| 9554 | 31-3 | 1900 | Mon | Cuban cut nbrs GARAA AUADN IIDIN. Sked is hour early. Normally is at 2000 UTC. |
| 8009 | 31-3 | 2301 | Mon | Cuban cut nbrs DNIAN UWNDA WIWRN |
| 11635 | 10-3 | 2058 | Mon | Sent few cut nbrs in CW followed by 54472 etc |



M12

See our Logs Section for a large amount of logs



M912b

Enigma 2000 has assigned temporarily designator M912b to the new format of M12.

Format as M12 with additional 3 fig group in call-up e.g. 223 223 223 1 656

10250 kHz, 12-03, 1929 UTC / 10256 kHz, 12-03, 1938 UTC

10250 kHz, 12-03, 1952 UTC / 10250 kHz, 12-03, 1957 UTC

223 223 223 1 656 2007 27 2007 27

37746 17751 08231 76084 30876 77364 31280 44636 31178 26153

40443 28867 24107 86235 28621 17083 15620 25646 54053 78100

53700 53232 47035 66884 28750 78072 15077

000 000

10250 kHz, 14-03, 0710 UTC

123 1 345 5237 50

63543 42836 10331 84758 58474 73321 47204 15351 04750

42154 45832 77705 18612 36370 20248 10770 51675 88865

27308 07536 78251 43431 78088 82753 36516 45158 24412

67051 43547 37308 78002 12186 71848 24762 11237 00023

51150 34470 36182 34155 78577 56521 01850 68234 70857

30203 48464 54374 67260 27575

000 000

10250 kHz, 14-03, 0738 UTC

123 123 123 1 12345 12345 12345 000 000

10250 kHz, 14-03, 1122 UTC

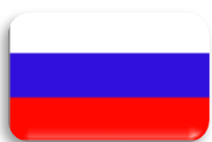
123 123 123 1 0501 20
56136 02056 51822 45317 14214 45268 51670 07118 20871
03257 85678 14051 30261 43021 63225 04383 03680 03887
57284 27265
000 000

9444 kHz, 16-03, 1110 UTC:

M12 or M912b ??? Much slower than M12 (15 wpm)
123 123 123 1 456 30

10250 kHz, 16-03, 1122 UTC:

123 123 123 1 0501 20
56136 02056 51822 45317 14214 45268 51670 07118
20871 03257 85678 14051 30261 43021 63225 04383
03680 03887 57284 27265
000 000



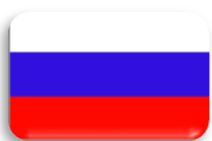
M912c

Enigma 2000 has assigned temporarily designator M912c to the second new format of M12.
Format at M12 but uses a single-figure call-up 1 (R2m)

All transmissions stopped and restarted

10256 kHz, 13-03, 2040 UTC / 10256 kHz, 13-03, 2050 UTC / 10250 kHz, 2103 UTC

1 1 1 1 1 1 1 1 1 1 1 1
9297 25 9297 25 [no long breaks]
08032 05440 36346 1142<stop>
[too much fading when restarted to get a correct transcript]
000 000 [no long break between 000's]



M14

| Freq. | date | UTC | day | remarks |
|-------|------|------|-----|--|
| 6879 | 5-3 | 1855 | Wed | i.p. ... 18958 78257 52695 86038 60343 90650 ... 45659 13892 05043 = = 792 792 118 118 00000 |
| 5133 | 5-3 | 1914 | Wed | i.p. ... 07874 79723 91930 47940 10785 10865 ... 81415 34674 90843 = = 264 264 93 93 00000 |
| 5148 | 5-3 | 1947 | Wed | i.p. ... 32892 98317 79124 38575 73094 57920 ... 45659 13892 05043 = = 792 792 118 118 00000 |
| 9125 | 7-3 | 1700 | Fri | 269 0 |
| 8193 | 7-3 | 1800 | Fri | 269 0 |
| 8120 | 11-3 | 0700 | Tue | 362 0 |
| 5945 | 11-3 | 1820 | Tue | 346 |
| 5464 | 26-3 | 1920 | Wed | 537 148 020 = 25345 |

5133 kHz, 05-03, 1914 UTC:

in progress

07874 79723 91930 47940 10785 10865 67503 12619 34192 52585
23869 75025 31415 62854 16919 23647 29548 50759 45413 65853
06570 19491 95352 81415 34674 90843 = =
264 264 93 93 00000 (1918z)

5148 kHz, 05-03, 1947 UTC:

In progress

32892 98317 79124 38575 73094 57920 72545 39097 23272 67587
03046 05379 89724 37295 41489 04823 13561 69716 82065 97631
15365 14093 71408 85860 73012 84096 76148 25709 35798 61281
60924 67494 92341 52653 59091 50651 18201 79437 05307 70875
36979 74816 32395 13575 79315 87078 01472 85695 05908 64313
79352 68606 50603 72396 16310 02074 12925 65172 81521 89647
41203 73752 36062 98968 62982 18958 78257 52695 86038 60343
90650 91354 74834 17564 23298 52164 08940 69121 17569 80845
80140 57167 24682 92524 72923 90582 46853 56192 59505 48947
34379 46916 32806 84829 15672 37697 82801 87836 58656 06314
64193 35456 45659 13892 05043 = =
792 792 118 118 00000

6879 kHz, 05-03, 1855 UTC:

In progress

18958 78257 52695 86038 60343 90650 91354 74834 17564 23298
52164 08940 69121 17569 80845 80140 57167 24682 92524 72923
90582 46853 56192 59505 48947 34379 46916 32806 84829 15672
37697 82801 87836 58656 06314 64193 35456 45659 13892 05043 = =
792 792 118 118 00000



M21 + variants
Russian Air Defence Forces
Войска ПВО Voyska PVO

Id 0 : 4391, 6425.5 kHz

Id 8 : 4904, 6911.5, 8616 kHz



M24

6836 kHz, 17-3, 1943 kHz: i.p., ends: 69314 88916 = 459 107 00000

| | | |
|---|---|---|
|  |  | M51 / FAV22 <u>8^{ème} Régiment de</u> <u>Transmission</u> |
|---|---|---|

| enigma | frequency | date | UTC | day | remarks |
|--------|-----------|------|------|-----|---|
| M51 | 23189.6 | 6-3 | 1222 | Thu | 5LGs offline crypto French MIL Intel, Favieres |
| M51 | 5453 | 7-3 | 1726 | Fri | CSTEI Favieres/Verno = REVPT JJAYT BFMR PHDTD ...ö |
| M51 | 9461 | 8-3 | 1705 | Sat | in progress |
| M51 | 9213 | 10-3 | 1851 | Mon | 5L message after nr 88 m 10 19:50:02 2014 = vvtxk |
| M51 | 19632.6 | 12-3 | 1125 | Wed | 5LGs offline crypto French MIL Intel, Favieres |
| M51 | 10796 | 17-3 | 0058 | Mon | 5LGs offline crypto French MIL Intel, Favieres |
| M51 | 9213 | 24-3 | 1538 | Mon | i.p. 5LGs = NR 78 M 24 16:40 etc |
| M51 | 6234.5 | 25-3 | 1627 | Tue | NR 11 M 25 17:28:05 2014 BT YHDOA NXLGQ OLTCN HTKCM YIKCK ... |
| M51 | 8016 | 28-3 | 1745 | Fri | Nr 44 A 01 18:46:27 2014 = UXWEA SEERO QMQEX ... |
| M51 | 5453 | 30-3 | 1254 | Sun | in progress |



M89
Chinese military

Voice traffic:

8073 kHz, 03-03, 1203 UTC, Voice traffic copied by JPL and translated by Westli. Thanks Gents !!

The transmission was a bit noisy and the signal faded badly at times. Besides that, the operator seemed to have an accent which made some numbers questionable. Westli gives this an accuracy of about 80%. Each group was said twice.

4601941 6 6 42
808 030 304
1 21 2
(2 syllables missed) 202 dian. ('dian' can be a decimal point or maybe short for 'dianbao' which is a message.)
00 00 326 319 700 3258 12 373 357 ?3 chu yuan chu? 93 53 543 080 51 53 01
98 3 6 438 03 093 57 68 33 80 483 017 873 157 36 313 3 382 339 38 03 3 6
67 383 80 83 018 173 019 873
023 473
157 393 36
03 180 091 93 001 984 00 339 038 93 993 0 990 993 80 88 31 173 057 371
(fades) 17 (fades)
02 173 01 373 (fades) 003 870 03 53 1 383 480 436 076 873 027 973 029 93
033 173 356 493 372 580 586 328

Stations and strings:

V 7NPE 7NPE 7NPE DE QV5B QV5B
V 8CPZ 8CPZ 8CPZ DE XW6W XW6W
V 8DKB 8DKB 8DKB DE ODY8 ODY8
V BRH0 BRH0 BRH0 DE 8NGG 8NGG
V CQ CQ CQ DE DP91 DP91
V DKG6 DKG6 DKG6 DE 3A7D 3A7D
V DP9J DP9J DP9J DE CQ CQ
V EI0B EI0B EI0B DE JHG2 JHG2
V GKLO GKLO GKLO DE TYUI TYUI
V H2FL H2FL H2FL DE DRV8 DRV8
V JKDJ JKDJ JKDJ DE SLBC SLBC
V MW3D MW3D MW3D DE 2SLC 2SLC
V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
V QHV8 QHV8 QHV8 de 8QPP 8QPP
V RA5J RA5J RA5J DE BP2S BP2S
V RXP7 RXP7 RXP7 DE CZT2 CZT2
V S2LZ S2LZ S2LZ DE YBA6YBA6
V SR3H SR3H SR3H DE FGH8 FGH8
V SXL6 SXL6 SXL6 de 9QFZ 9QFZ
V VTX7 VTX7 VTX7 DE TZ7B TZ7B
V WZG6 WZG6 WZG6 DE 4VTG 4VTG
V YUQW YUQW YUOQ DE ASDF ASDF
V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
VVV Q2M Q2M Q2M DE NYZ NYZ
V BNGC BNGC BNGC DE XSV85 XSV85

FD5N
V6YU
VHDR
NG7V
J2TW
SE4F
G9VH
CM7U
8WPY
.

DN06 DE 8PPY
CKJV DE 8PPY
CM7U DE 8PU.
00NV DE 8PPY
00WZ DE 4DSY
CQ DE H5VI
SKDP DE DP91
SGJK DE ZXC3
4EWP DE ZXC3
90KV DE ZXC3
AE4T DE ZXC3
2ESA DE ZXC3
..DA DE XFR6
TR8K DE ZXC3
MET DE 8PPY
CM7U DE HGQ4
DIVJ DE 8PPY
F7RU DE 8PPY
ESW1 DE ES2X
DHP4 DE TNK1

Messages:

7777 kHz, 04-03, 1143 UTC:

SR3H SR3H SR3H DE FGH8 FGH8 CI
SR3H DE FGH8 NL
FD5N K
HR GSA2 IEC = 4596 AR K (The letter G is actually a letter Bar O)
R HR NR NOT K
AS
V6YU K
HR GSA2 IEC = 4596 AR K
HR NR NOT K
AS
VHDR K
R HR GSA2 IEC = 4596 AR K (Normally associated with Exercise)
R HR NR NOT K
AS
NG7V K K
HR GSA2 R IEC = 4596 AR K

8073 kHz, 05-03, 1200 UTC:

4T3N N344 73D4 (Cont'd)
IIII = N34T TANN? ND4TT54DT4D64? 3UDT AR AR

4321 kHz, 06-03, 1957 UTC:

AR K
== A775 A775 AR K
== N3NT NNT AR K
FM 36 EEEEEOK SK SK

5555.5 kHz, 05-03, 1101 UTC:

R GA (Both station on this frequency)
NR 33 CK 99 14 03 04 1340 RMKS 7062 TO 7037 AA K
R HR U SR F GA K
R FF NR 40/EX 1436 .7057 TO 7062 ==
QP4CU/TR5PE AR = QP4CU/TR5PE AR K
V4445 4S.T. HT44USTCU/TR5PE
R HR NR 121 K
R SRT RNWTK RHR NR 121 K
R QSA2 K. R QSA2 K
R
IEC == = IEC = 9639 AR K (Using same IEC as yesterday on 8073 at 1201z)
R = 7149 AR K = = 7149 EEEE = 7149 AR K (1106z)
(Another station now on 5555 interfering sending 05 05 05- 1107z)
7G NR (Into tfc - Machine sent - fast - 1108z)
AR AR AR AR AR AR AR AR AR AR AR AR
= ...0685 8539 3931 4987 49? 4813 9582 6SB4 01730024 (Cont'd)
= 4DA3 N5DU 6564 TA73 TTU4 T... (Cont'd)
AR = N3AT 64D5 753N 3N3A (Cont'd) AR K (
K = = = UD.A B 647A 4U6A DT67 3UT3 (Cont'd)
IIII = N4UD 36TA T5D3 4... (Cont'd)
AR
K K = N4UD 36TA T5D3 4U7N 6435 (Cont'd)
AR K
R QSL 1272 K
HR MSG GA K
R GA
MSG MSG EEEEE NR R MSG NR MSG NR R CK R = (As sent - did not send
message number or group count, etc.)
== = N4UD 36TA T5D3 VU7N 6435 UN3A N457 T5N3 TA73 TTU6 (Cont'd
repeating above groups)
(Station now active on 8073, so switching frequency 1158z)

3247 kHz, 28-02, 1418 UTC:

3UND 743T 537N 6DTT 44NA (Cont'd)
 AR QSL? HR WK NR 0046
 HR WK NR 0046
 VV C8K DE EEEEE
 VV TR8K DE ZXC3 K
 VV TR8K DE ZXC3 K
 R O EEE R QSA2 K
 2220 K
 R (All stations on this frequency, but mostly to weak to copy)
 R SK
 VV AE4T DE ZXC3 K
 ..DA DE XFR6 R QSA2 QSA? K
 R QSA DE XFR6 QSA2 QSA? K
 R QSA1 K
 R QS.? K
 R QSL 2221 K
 AGN
 R HR WK NR 0631 K
 R HR WK NR 0631 K
 R SK
 VV 2ESA DE ZXC3 K
 R QSA1 K
 R RPT 26W TNND TNND K
 R RPT 28W T5TD T5TD K
 R RPT 36W N7AN N7AN K
 R RPT 41W TTDN TTDN K
 R RPT 52W 6TD4 6TD4 K
 R RPT .3W T63D T63D K
 R RPT 62W 4IS? 437T 437T K
 R RPT 82W T46N K
 R QSL 2222 K
 R K
 R AEEEE R ..
 VV SGJK DE ZXC3 K
 R QSA 1 K
 R RPT 44W TO 46W BT 3D3U 463D N756 AR K
 R RPT 44W TO 46W BT BT 3D3U 463D N756 AR K
 R RPT 51W A5DA A5DA K
 R RPT 69W 754U 754U K
 R QSL 222. K
 R QSL 2223 K
 R SK
 VV 4EWP DE ZXC3 K
 R QSA1 K
 R SK
 VV 90KV DE ZXC3 K
 R QSA1 K
 R QSA? EEE R (1440z silent)

4367 kHz, 06-03, 2001 UTC:

VV B.N4 DE SE4F K
 R ESW1 DE ES2X R QSA2 QSA? K
 QSA 2 HR WK NR 0046 EEEE
 R QSA 2 HR WK NR 0046 K
 R HR WK NR 0101 K
 R HR NIL SK
 R HA EEEE R HR NIL SK SK SK

5546 kHz, 11-03, 0219 UTC

AR K (In tfc)
 R RPT 19W = 7NDA 7NDA AR K
 R GA
 R RPT ...332 K
 = = 346D 53NT N547 TNAD (Cont'd)
 AR K
 R RPT 6W = ..E..U3 AR K
 R RPT 5. = 5T4D 5T4D AR K (Cont'd to repeat groups)
 R GA R GA

6666 kHz, 06-03, 1132 UTC:

U6ND T36D ANAU NAAU 37N4 N665 UT5N (Cont'd)
 III = = DTU6 5D6T A3NT UN67 4D5T (Cont'd)
 III = = N3A4 5TUU 733A 5U43 TAAT (Cont'd)

5555 kHz, 06-03, 1741 UTC:

U436 43U5 AR K
 4W = 575A AR K
 5W = U... AR K
 11W = D5DD AR K = D5DD AR K = D5DD AR K
 K = = D5DD AR K
 = 4DT6 AR K
 K = 65.D AR K (Other station on this frequency but to copy)
 R = 346N AR K
 BT U5WEEEE BT U5U6 AR K
 U GA GA
 R 24W K
 R QSL 0EEEE QSL 0148 K
 VA VV G9VH

8073 kHz, 06-03, 1138 UTC:

437U 64TN 4D4N D7T4 N754 A5N6 (Cont'd)
 III = = T5N7 56N3 U46. 57D6 (Cont'd)
 III = = UAN6 U63N N6T5 6N4A 4536 (Cont'd)
 AR K K R K
 R SK GB
 00WZ DE 4DSY K
 R QSA 2 K
 R IEC = 9639 AR K (Using same IEC as yesterday on 5555 and previously on 8073)
 R HR NR NOT K
 R AS
 V EEEE HR MSG GA K
 R MSG NR DE EEEEE
 MSG NR 16 CK 30 61 0306 0812 RMKS 2542 TO 7439/.../7062/7914/7037 K
 R = = NN4A D54D A4T6 NU5A DN7N 7TNU 5U3A 67NA TA6A TT37 (Cont'd)
 AR K
 R HR MSG GA K
 VV V R AS
 V DHP4 DE (Another stronger station now of frequency)
 299
 R MSG NR 42 CK 2.... RMKS K (Interference by other station)
 R = = UU4A D7TA A5.6 TDU4 U55T D.3A 347A 6U7T .64 TTT6 T7T7 (Cont'd)

8021 kHz, 07-03, 1106 UTC

TTTN UNA6 .A.. UTD4 (Cont'd)
 AR K
 3P K
 RPT 85W BT UTDN C K
 U . K
 R R
 GA EEEE GA
 130M . K
 JM0M K
 ... UD53 5NA3 (Cont'd)
 4.a.UD53 5NA3 UT473 .. (Cont'd)
 4NA7 4NA7 ..53 5NA3 UT473 T7U3 TUD. (Cont'd)
 R
 3P NR 3P RR QSL ? K
 3P
 WHO AR. WHO .. L
 A3UT473T7U 3TUN 5.. (Cont'd)

8900 kHz, 10-03, 0205 UTC

5N7T UTU5 574N UA34 D545 (Cont'd)
 KKK AAAA K AAATAATAAD56 EEE 7676 A75. UETT (Cont'd)
 AR

6887 kHz, 06-03, 1235 UTC:

RNR 21 K
 R U EEE R U 2130 CK LU2 K
 R HR K. M
 OK VV 00NV DE 8PPY K
 VV 09. DE 8WPY K
 R CM7U DE 4K.. R QSA2 QSA? K
 R QSA 1 K
 R HW WK NR ...1 K
 R HR WK NR 0.11 K
 R HR WK NR 0111 K
 R R PT WK NR K
 HR WK NR 0111 K
 R R U 2130 COMM .1. K
 VV .JV DE 8P
 VV CKJV DE 8PP
 VV CKJV DE 8PPY K
 R CM7U DE 8PU. R QSA1 QSA? K
 R QSA 1 K
 R NH NWKN. EEEE R HR WK NR 23 K
 R HR WK NR ... K
 R U 2130 COMM
 90NV K
 R HR .. EEE R HR NPUM
 R
 VV DN.
 VV DN06 DE 8
 VV DN06 DE 8PPY K
 R CM7A EEEE
 R CM7U DE .9Y R QSA . QSA? K
 R QSA 2 HR QSA 1 K
 R HR WK NR 23 K
 R WK NR .6.7 K
 R HR WK NR ..17 K
 R W3 COMM DIVA K
 R HR KV EEEE R HR K. U CO EEE
 VV DI.. DE 8PPY K
 VV DIVJ DE 8PPY K
 VV F7RU DE 8PPY K
 VV F7RU DE 8PPY K
 VV F7RU DE 8PPY K
 89UW R QSA 1 QSA? K
 R QSA 1 K
 R HR WK NR 23 K
 R HR WK NR 0.17 K
 R U21. COMM THDTHD
 VV .MET DE 8PPY K
 CM7U DE HGQ4 R QSA2 QSA? K
 R QSA 1 K
 R RHR WK NR 23 K
 R HR WK NR 0.05 K
 R HR WK NR 0905 K
 R HR WK NR 0905 K
 R U .130 COMM F7RUK
 R HR KPU K
 R (1246z silent)

5236 kHz, 10-03, 1019 UTC

T773 III = AT6D 54UU 5DN7 573N UTDU A7DN N ? N446 734N (Cont'd)
 AR K
 R R TCK R III EEEEE 2P (1025z - Both stations on this frequency)
 TC T 2P OK R 7W RPT 7W = 9446 AR K
 R QSL 1830 K
 RPT
 R QSL 1830 K
 R OK NIL SK
 R IL SK
 NIL NIL SK SK

8395 kHz, 11-03, 0203 UTC

CQ CQ CQ DE DP91 DP91 K (Cont'd)
 PSE YA TY ALL TO HR WK A HR NIL SK GB (Cont'd)

10180 kHz, 11-03, 0812 UTC

7804 NEEEE RMKS 6457 TO 6524 68.. 6.04 6634 6678 6575 6808 6527 =
 67T3 4U36 3D7T T3AT 345N N37N 7N7T 3574 U4T4 6AND A5DU T7NE
 (Cont'd)
 AR QSL? HR WRK NR 2.0

5555 kHz, 11-03, 1332 UTC

RRR QSA
 HR 05 05 50 50 DE NR 045/EX ..KS 328. .. (2ND station interfering)
 RR = = NN6A2/ACD3 AR K K
 = 5.. A..35..E ? (Into tfc)
 05 05 05 (Different station than the one sending tfc)
 05 05 05 05 aus 05 get = 367UA 3A6TU

6636 kHz, 13-03,1413 UTC

TAT5 TAT5
 196W 196II 196 III 196W 196W = = T4DA T4DA
 197W
 197 197W 197W = = DU33 DU33
 RPT
 197W 197W 197W = DU33 DU33 W
 DP7691 OK NIL SK GB
 GB

6936 kHz, 13-03, 0904 UTC

170 = W W = = = = = = = =
 N3A3 T6A3 TU53 7DAA NA.. NAA3 7544 N4T5 NA6U T7UA 7TT3 7455 T64A
 (Cont'd)
 AR III III III = = = =
 NAA6 NA73 TA63 N47U NUU6 N7UA T765 TU6U T64A N5T3 (Cont'd)
 AR
 III WW DP7791 W
 DP7791 W
 DP6791 NIL
 DP.791 NIL
 SK GB
 DP7891 NIL
 DP7891 NIL
 DP7791 W
 142W = N474 W
 141W = U5A7 W (Appears to be using W instead of K)
 QSL S S ?
 FM 5? TU?
 FM 5? TU
 ? FM5 ? TU ?
 QSL S ?
 FM5 ? TU ?
 FM5 ? TU ?
 QSL ?
 DU. = 7791 FM5 ? TU ? (0928z silent)

5719 kHz, 06-03, 0133 UTC

GB
 SKDP DE DP91 FO? 02M
 DP6.91 QSA 2 U K
 NIB NIL
 SK SK
 DP76.1 QSA? K
 DP7611 QSA2 U?
 NIL NIL
 SK SK GB
 DE DP7491 QSA2 U?
 NIL SK GB (0136z silent)

5555 kHz, 07-03, 1217 UTC

3456 05
 VVV 05 05 (Always long zero)
 VVVV W5 R K K
 2014
 05 05 05 05 05 05 05 05 VVV =
 134. ...AR
 55555 K K K
 05 05 QSA2 K
 R R IEC 1522 AR K
 R HR 7G GA PSE CY K
 R NR NR 14EEEEEE
 NR 139 CK 91 66 04?EEEE
 NR 139 CK 91 66 0307 1900 RMKS = CK EEEE RMKS = CQ AR K
 R = =
 736U AU67 ADT. U7A.? U734 TA46 5A75 N67T T57N T5T6 TTTA 3434 (Cont'd)
 AR K (Did not send 91 groups - estimate only 20 groups sent)
 = BTAU34 567D NT AR
 R QSA1 K. R QSA1 K K
 R GA
 = NTD7 NU55 R
 QSA2 NKM EEEE K K K K
 CAO CAO CAO K K
 GUN K
 EEEE LONG S NI K K
 R HASA (1232z - Silent)
 NYK3 NYK ..QGCM Q4228 4228 AR
 ..3 NYK3 NYK NYK3 NYK3 NGCM QGCMQ AR

5555 kHz, 13-03, 0835 UTC

QSL 162? 1637
 OK TKS (Both stations on this frequency)
 EEEEE
 VV ? VV 8. 83 R K
 R R HR MSG GA = =
 MSG 0301 CK 60 14 0313 1640 RMKS 8223 TO 8141 AR K
 = = 3765 UNN3 NUTU 4U5. ?? 351
 AGN AGN
 DDN =
 37N. UT.3 NUT 4U5D .? 3.? 353U 546T 7376 5U75 TUDU TTT6 (Cont'd)
 AR K
 9W 9W = TUDU = (Cont'd rpt groups)

5678 kHz, 13-03,1237 UTC

CQ DE H5VI CQ DE H5VI IK
 H.EEEE S EEE 05 05 05 05 05 05 (Cont'd)
 CQ CQ CQ CQ CQ
 .. A PSE . EEE
 = N..AA5NA ND7N N57T A34T 4637 6756 N43T T3T. TA3. (Cont'd)
 III AR
 D = = = = =
 3A36 UDAD DN64 UT7. D7.. 4NDU T4A63 6U4 T3T. TTA4 (Cont'd)
 IIII

5710 kHz, 13-03,1503 UTC

MSG NR 330A CK 100 EX 0313 2300 =
 MSG NR330A CK 100 EX 0313 2300 = = =
 N756 T6NA AN55 N354 TD54 TTT. N436 TAT5 D73. NU43 NNNA N444 (Cont'd)
 III III = =
 TTT3 N46A TTT4 TUD4 TTT4 NDU4 T336 TTTA 745T N344 (Cont'd)
 AR AR
 N7TU = NIL SK GB NIL SK TGB
 NIL SK GB

5773 kHz, 15-03, 1104 UTC

U5.T 764N 64D6 7D6A (Cont'd)
 AR K
 R RPT 1W K (Both stations on this frequency)
 1W = TN.3 AR K
 ? 1W TN63 K (Cont'd to repeat groups)
 QSL 1906 QW NR N Q 522N QK
 RPT WNR K
 WK NR N 22 NQKROK HR WK NR 126 K
 R OK RO. GA K
 R OK
 HR 7G TO UPSE CY. GA K
 NO K 7G 7G NN 962 CK 200 55 0315 1845 NMKS = = 6745 TO 6400 TO 6745 AR
 K
 R OK GA K
 7G PEWE EEEE P EEEE 7G 7G 1P = =
 63NT UD45 A7UN 543D 46DA 75TA N7T4 4DAT 4U3D AN7U (Cont'd)
 AR
 R 2P GA
 OK 7G 7G 2P = =
 TN63 4D5U A753 (Cont'd)
 AR K
 R OK QSL 1924 ..216 K
 R QSL WK NR N Q522 Q K
 CQ NR 14 K
 IR OK

17223 kHz, 15-03, 0242 UTC:

UAN5 4AD4 7UAN N4D3 3T7U (Cont'd)
 AR
 FM ? D4 EEEEE
 MSG NR 87 CK 99 36 0315 1030 AR
 73 ? NU 73 ? NU (0244z silent)

8072 kHz, 16-03, 0943 UTC

/DZ 261. R 18/7670.
 HR SVC GA ... 75. RMKS .1 TO 7670 =
 02 = COMM/.0/.2.1../538/..AR
 QSL? HR WK NR 4.. K
 V GKLO GKLO GKLO DE TYUI TYUI

4270 kHz, 17-03, 1505 UTC

T4TT DD53 D55A 63A7 AT7D 3UT6 (Cont'd)
 III 4P GA = =
 5363 A3D7 DNAA U6N4 3NT5 543A (Cont'd)
 IIII III 5P GA = = =
 N6D. 3AN5 6DT4 6T76 (Cont'd)
 III 6P GA 6P GA = =
 5UUU N66A UDT7 NTD6 U3U7 (Cont'd)
 III 7P GA = =
 44D3 UU6T 3D5N 4A57 T55U 76T5 (Cont'd)
 III 8P GA =
 U44N 673A 3577 AU33 ND3A 7D54 (Cont'd)
 III 9P GA = =
 3TDA A3A7 663A 4UDN D646 4334 (Cont'd)
 III 10P GA = =
 N47A 3NA5 3333 4DT4 D3TN U7DT D4U7 (Cont'd)
 III 11P = =
 5T6N 3TA3 7D34 5U5D D7TT T7UT (Cont'd)
 III 12P = =
 5U43 64UD 6TU6 D346 3UA5 (Cont'd)
 III 13P = =
 NDD7 TDUU 3563 DUAT 45DD (Cont'd)
 III
 2442 5269 6625 9678 9044 1040 8827 1661 4867 5240
 3381 1063 4454 3147 (Cont'd)

8395 kHz, 13-03, 0157 UTC

CQ CQ CQ DE DP91 DP91 V
 PSE KK XXX ST ST ST KK LL TO HR AHR NIL SK GB
 PSE KK XXX ST ST ST KK LL TO HR AHR NIL SK GB
 PSE KK XXX ST ST SN KK LL TO HR AHR NIL SK GB
 PSE KK XXX ST ST ST KK LL TO HR AHR NIL SK GB
 PSE KK XXX ST ST ST KK LL TO HR AHR NIL SK GB (Silent - 0208z)

7810 kHz, 25-02, 1250 UTC

DE DP91 CL K
 DP8291 QSA 3 U?
 DUT48291 FM 5. 03 7UD4 FM? DP TU4?
 DP8291 QSA3 HR MSG PSE CY
 GA
 MSG NR 021A CK 130 EX T225 2M
 MSG NR 021A CK 130 EX 0225 2. =
 5 =
 .NNDDPAAW.PH AA WA EN4 I NS FL. RIN ...NIK
 AZI WI NF TAR NE
 MSG MSG NR 021A CK 130 EX 0225 2 .MSG NR 023
 MSG NR 3210 CK 133 695N
 MSG NR 0210
 MSG NR 3210 CK 13EE
 MSG NR 021A CK 13
 MSG NR 021A CK 130 EX 0225 2055 BT BTBT
 UNNDDAR ARWLUPH. WAEN4SIB (Cont'd)
 (Sending lots of strange lots of strange CW characters)

8110 kHz, 15-03, 1143 UTC:

DA76 67ND 45U5 4... (Cont'd)
 AR
 R 99W = D53. AR K (Cont'd repeat groups)
 7G NR 28 CK 199 .. 0315 1947 RMKS 350. TO .724 =
 BT T7N A4UT 3DN5 UATA (Cont'd)
 AR (Normally sends 100 groups in 5 minutes, but was sending 100 groups in 3 minutes!)
 R (Repeats groups)
 SK GB

8395 kHz, 15-03, 0208 UTC:

HR TC FREQ AHR NIL SK GB PSE K K
 BBBWWW K K .. FREQ AHR NIL .. NS. K K
 KK TO HR TC FREQ AHR NIL ... BPSE K K
 BWWW K K TO HR T. FREQ AHR NIL SK GB PSE K K
 BNB B. TW WW KK TO HR TC FREQ AHR NIL SK GB PSE K K
 B B BWWW KK T.. HR TC FREQ AHE NIL SK GB

5317 kHz, 16-03, 1205 UTC

MSG NR 049 CK 99 86 0316 2000 =
 UN3D 46N. 6457 3674 TNDU D46A D4AU 3N75 7DUN A4UT UN56 (Cont'd)
 AR QSL? K
 R RPT 38W TO ... K (Both stations on this frequency)
 R RPT 39 W TO EEEEE R RPT
 R RPT 37W TO 39W = (Repeats groups)
 R U MSG GA W EEEEE R U MSG GA K
 R QLS K
 R QSR K
 .. MSG NR 049 CK 99 86 0316 2000 <86%200316%202000> = (This station much weaker)
 U75A 37.. 7AD. 436D 77A 4N6A DT6A 4T54 766U 4..A (Cont'd)
 AR QSL? K
 R RPT 97W K (Repeat of groups)
 R QSL 2020 HR WK NR 0042 K
 R HR WK NR 0111 K
 R HR NISK
 R HR NIL SK
 R SK S.. K

5445 kHz, 17-03, 1150 UTC

7U6. 6T.. UA4III
 05 05 (Always sends a Long Zero)
 05 05 05 05 05
 05 05 05 05 05
 ..NR 7G GA PSE CY =
 AN73 ND.. 65.. (Cont'd)

6552 kHz, 17-03, 1002 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
 HR NIL SK GB (Cont'd)
 DP NIL NIL SK GB
 NIL SK GB NIL
 DP.E DP91 NIL ... (Silent 1011z)

10674 kHz0, 17-03, 919 UTC

R QSL .720 K
 R WK NR 0073 EEEE R WK NR 0037 K
 R HR WK NR 0037 K
 R HR WK NR 09.2 K
 R HR NIL K
 R HR NIL K
 R SK
 R SK (0923z Silent)

5555 kHz, 18-03, 0930 UTC

345T 67 =
 = =
 FM FM FM FM III III 5567 D T67DA.43U576N
 = = = 6T = 6N5. UDU55.67A3T NT NTU6 ..N
 BN46 7344 U3.6 AAU3 ..33333 AA476DN ?
 FM = 8 FM FM 3 FM 333 .33UA476DN ? NM =
 D NT.TN.. EIT AE. T
 FM = III ? FM AU34 567D NT
 AU34 56.D NTA7 3456 7DNT AU34 567D NTAU 3456 ... ?
 AU34 567D NT
 AU34 567D NTU34U5UN63A34.3AAU34AU34
 AAA MSG AAA 111.UA AAA
 UUUU33334444555566667777DDDD..NNNTTTAAAAUUUU
 33344555566667777DDDD
 = = = = 6N5U V ?
 = . = = ? = EEEEE890 = =
 6N5U .57 U? 7AF = = = =
 6N5U V T? 6N5U U557 7.3N N.56 N46A (Cont'd)
 CENR K NR NR// K NR NE NR NR NR NR NR NR
 NR = 191 CK 91 03 74 0318 0222 = (0942z silent)

6666 kHz 18-03, 0915 UTC

7UTA TD3U .54D 653T D63N NAT6 (Cont'd)
 III = 5T3U UNDT 365T 5UT3 NTUD (Cont'd)
 III = 5N67 TND3 5DN6 N7A6 N3T4 (Cont'd)
 III = 5A.. AR (0927z silent)

8395 kHz, 20-03, 0156 UTC

CQ CQ CQ DE DP91 DP91 V (Cont'd)
 P PSE PH N Q . HH . QN. K C FR Q
 PSE PSE H QRRQ 55 .9 T QNQ TC I. FL. FR .
 PSE PH QNQ I H ... FREQ .. FR
 NIL SK GB
 DP7591 TE (0215z silent)

5588 kHz, 21-03, 1042 UTC

III AR
 MSG NR 076 CK. .1 44 0321 1830 =
 U43N .DT7 S.4... (Cont'd)
 III AR

6940 kHz, 16-03, 1226 UTC

= BCA1/ABC2 AR K
 R QSL 2 EEE R QSL 2027 K
 R U F . K
 R NU .FF
 R MAKRR F NR 063/EX .027 RMKS 3604 TO 0.92 K
 R GA K
 R = = AB.1/BCA2 K
 R QSL 2029 K
 R WK
 R HR GA
 OK GA K
 R 7G T63 EEEE 7G /064 CK 99 93016 EEEE
 7G NR 064 CK 99 93 0316 2030 RMKS 0092 TO 3604 K
 R OK GA K = =
 TD6D ..N NA4U 6DU7 54AU 36TU 357U N73T TUUU TTT4 (Cont'd)
 AR K
 R 48W K (Repeats groups)
 R QSL 2036 K
 R U GA K
 7G NR 06 CK 6 EEEE
 NR 06 CK 99 93 0316 2036 RMKS 3604 TO 0092 K
 R GA K R = =
 ..3. T.. D (QRM)

6770 kHz, 17-03, 0934 UTC

= 54UA 54UA AR K
 R RPT 40W = 3D5A 3D5A AR K
 R RPT 20W 35D7 EEEE R RPT 20W = 35D7 35D7 AR K (0935z)
 (Cont'd repeating groups)
 R U NR GA
 U NW COMM 4912 K
 R U NOTE HR K
 R OK
 VV B5PU B5PU B5PU DE HSM4 HSM4 K
 VV F2QQ F2QQ F2QQ DE HSM4 HSM4 K
 R QSA 2 QSA ? K
 R RPT 21W TO 30W = (Cont'd to repeat groups)
 R QSL 1725 K
 R QSL ? K
 R UWK EEEE R U WK NR GA K
 R U WK NR GA K
 U NW R EEE R U NW COMM 4726 K
 R U NOTE DPHR K
 R OK
 VV DMN1 DMN1 DMN1 DE HSM4 HSM4 K
 R QSA 2 QSA ? K
 R UT EEEE R U WK NR GA K
 R U NOTE DP HR K
 R OK
 VV J3MV J3MV J3MV DE HSM4 HSM4 HSM4 K
 R A EEE R QSA 1 QSA ? K
 R U WK NR GA K
 R U NW COMM 4724 K
 OK
 VV CP7R CP7R CP7R DE HSM4 HSM4 K
 R QSA 1 QSA ? K
 R U WK NR GA K
 R U NW COMM 4913 K
 R OK (Silent 0957z)

5555 kHz, 18-03, 2026 UTC

D57T TDDU 75A6 A3UD DN47 DAUA 7U35 (Cont'd)
 05 05 05
 370 2EE. TTATUD D3TT TATS 6TTT D55D (Cont'd)
 05 05 05 3. 0 6676EG
 05 AN6DE76
 3.0. EEEE 05 76U4 6A6U 7U47 65A6 (Cont'd)
 GE EEEEE TTT 6 (2037z silent)

8888 kHz, 18-03, 0953 UTC

DE TYUI
 VVV GKLO EEEE GKLO GKLO DE TYUI TYUI
 GKLO DE TYUI EEEE
 GKLO DE TYUI V (Regular roundslip running on 8072)
 QF5G K
 R ..PZ .. Z
 W5U. W.. S7 Q S7BQ
 GKLO GKLO DE TYUI TYUI V
 GA EEE V GKLO GKLO TYUI TYUI
 GKLO GKLO DE TYUI TYUI
 S.. KGKLO TYUI TYUI V
 GA ... K
 V V GKLO GKLO DE TYUI TYUI V
 Msg NR GA
 1/NC.K HR . GEEEE VV S... NR 01
 VV GA NR MSG GA NR 001/CCK CK 91 .. 0318 .AAA A
 GKLO GKLO DE TYUI
 DE TYUI GA EEEE GKLO GKLO DE TYUI DE TYUI
 MSG ... K SK SA...
 VV KLO. GKLO DE TYUI I TYUI K

6666 kHz, 22-03, 1431 UTC

FF UN5D AUAT 6E?? 6477 NUD6 D6AD 36.? 364U 553N UDDN ..D6 56D7
 (Cont'd)
 AR AR AR K
 QSL QSL QSL 2235 K K
 RRR OK OK GB GB GB GB

7680 kHz, 22-03, 1415 UTC

R QSL 221. K K
 MSG GA K
 HR MSG NR 7.... 8 CK .. NR 720. 35 ..38150.. 1360 ..EEE
 MSG 13686400 . ,K
 RMKS 5 RMKS .3.. TO 21.. 8.0 TO K

6936 kHz, 23-03, 1426 UTC

7P 200 0323 2225
 MSG NR 04.. CK 200 .. 0323 2225 K
 = = = =
 N36A NNNU T6N4 T346 NNNU TAU. TTT4 TDN. TT.U (Cont'd)
 III III C AR AR AR AR AR (1435z silent)

8063 kHz, 23-03, 1137 UTC

7TU. N3A4 D743 4N76 (Cont'd)
 AR AR
 RR QSL U QSL QSL 1950 K K (Other station on this frequency)
 WK USB USB (1148z silent)

7785 kHz, 26-03, 1201 UTC

P4LO AR = =
 7EEEE = =
 Z2FO/P4LO AR = =
 Z2FO/P4LO AR K K
 NR QSL . QSL 2022 K
 HR QSL 2..2 K K
 R R HR U .. 20.4/EX 2003 K K
 GA K
 R GA GA
 NR FF NR JA/C1WY AR
 = O1IA/C1WY AR K K
 R R QSL QSL 2004 K K
 R R HR MSG EEEEE U S ..U .
 OK OK (1204z silent)

7791 kHz, 18-03, 0049 UTC

R HR WK NR 18 K
 R GA K
 R OK GA K
 R RPT 40W K
 R RPT 76W K
 R RPT .7W K
 R RPT 87W K
 R RPT 88W K
 R RPT 2P 07W K
 R RPT 31W K
 R RPT 61W K
 R RPT 79W K
 R RPT 8.W K
 R OK QSL? 0E EEEE
 R OK QSL 0900 K
 R OK (0103z silent)

10180 kHz, 19-03,0929 UTC

R AS AS
 R EEE NR 059 1730 RMKS 6457 TO 6646 / 6637 =
 COMM/1800/XZ709/94/6450/6..46 EEEE
 = COMM/1800/XZ709/94/6450/6646 AR QSL?
 HR WK NR .SEEEE HR WRK NR .50 (Return to roundslip)
 V DKG6 DKG6 DKG6 DE 3A7D 3A7D
 VVV HR GA MSG NR 031/CCK CK 199 18 0319 1735 RMKS 6457 TO 6487 6.57
 6835
 6847 6629 663. 65.. =
 53 EEE 53UD 7T.. 467N A7T6 D..4 A4D6 5UA3 3T5U N4N7 U73T A346. (Cont'd)
 AR
 V DKG6 DKG6 DKG6 DE 3A7D 3A7D

6688 kHz, 22-03, 1357 UTC

HR MSG GA K
 R GA (Other station also on this frequency)
 R OK HR MSG GA
 NR Q./CCK CK 91 53 032 AR 280 RMKS 6293 EEEE
 HR MSG GA NR088/CCK CK 91 53 032 2 2.00 RMKS 6293 TO 6471 K
 R ... R OK =
 .UN4 638U 7AN4 6NU. .46. 3D? 3N.. (Cont'd)
 AR QSL? AR
 R RPT 1.W (Repeats groups)
 QSL K
 R 7G HR GA MSG. 86/CCK CK 91 53 2200 RMKS TO 6. RMKS ..71 TO 6293
 K
 R MSG GA K R =
 3U.. (Cont'd)

7706 kHz, 24-03, 0937 UTC

NUD3 ..UN TAN3 4653 (Cont'd)
 AR K
 R U GA K
 (Noticed station now active on 7717z)
 SK

7717 kHz, 14-03, 0940 UTC

CK 79 1. 0324 1700 RMKS
 NR 4382 CK 79 12 0324 17 EEEE
 7G NR 4382 EEE (weak and fading)
 7G NR 4382 CK 79 12 0324 1700 RMKS ..26 0295.. 4
 R 64? 3645 ND 653? 5370 36.D A. ? AET6 UD74 3A7N 35T4 5N.6 T4? T435
 6AU4 (Cont'd)
 AR

5292 kHz, 26-03, 1415 UTC

U7N7 TNUU 36UA (Cont'd)
 AR AR = = 3T.. K

8073 kHz, 26-03, 0950 UTC

VV BNGC BNGC BNGC DE XSV85 XSV85 (Cont'd)
 HR MSG ... NR NR 03 EEEEE
 NR NR 025.. CK 16. EEE 0326 1605 = =
 TU63 U63A N3U7 TAU7 73..7 7733 564A 7NN3 4454 ? 3DU3 3NN3 (Cont'd)
 AR

8210 kHz, 26-03, 1201 UTC

AR
0 50 2208 2218 2327 23.2 =
 3ANT. TUAN3 53NTA (Cont'd)

8074 kHz, 26-03, 0950 UTC

R R HR EEEEE
 R U QSY TO NR 02
 QSY TO NR 21 21
 IVY K
 DE
 HR Q EEE HR M AS 2
 ..C = 7519 AR K
 R R NR 27 HR NR 27
 R R HR IDGA
 K
 FF NR 09/EX 1933 RMKS 3975 TO 3946 =
 WKM6/AKDP1 AR
 FF NR 09/EX 1933 RMKS 3975 TO 3946 K
 BT WKM6/AKDP1 AR K
 R R
 ..GA U.. GA (1138z switched to another station on 8073 - VV BNGC BNGC
 BNGC DE XSV85 XSV85
 AR
 R GA
 GA GA
 AS AS
 QSL 1955
 SK GB

8053 kHz, 23-03, 1111 UTC

III 3UN6 DDTA A576 (Cont'd)
 AR
 NR 4W = (Repeats groups)
 NR NR MSG NR 27 CK 299 57 0323 1918 RMKS 5807 TO 5EEEE
 MSG NR 27 CK 299 57 0323 1918 RMKS 5807 TO 8638 K
 NR = =
 ANDA 6N5A 55T3 6TNA 4UA6 D3T4 3TU4 6TUN TA54 TT4N N5A4 (Cont'd)
 III = = A4DU 6N45 5DD4 7D6A 4336 D3U4 76TU 6TD4 (Cont'd)
 AR K NR NR
 = = TTU4 AR K
 R R = = TA64 TA64 AR K (Cont'd to repeat groups)
 R SK

7712 kHz, 25-03, 1107 UTC

7DA6 T7NT T755 N5A5 3UT6 A4A7 ND4A (Cont'd)
 III 2P GA = =
 63TD 6U43 UDAA 666A AN7A 7UT4 (Cont'd)

5555 kHz, 26-03, 1800 UTC

UGE45 AR
 MSG NR 105 CK 5 .U5D4 7DAA 77D4 4DD3 3A74 NDAA D5NU 66U4
 7U3U 363U DA34 NU4D 6UNT TDA3 4TD3 ..D4 (Cont'd)
 AR
 MSG NR 105 TNK 5 =
 U5D4 7DAA 77D4 4DD3 3A74 NDAA D5NU 66U4 7U3U (Cont'd repeat of msg
 105)
 AR (1817z - Silent)

8074 kHz, 26-03, 1338 UTC

975/3973 K
 R =
 N5U5 UTN6 4NA5 AU34 7N4D 3TN6 D43A DN3D TAD7 TT33 (Cont'd)
 AR K (Repeats groups)
 U MSG GA
 R
 GA.... K

5555 kHz, 27-03, 0741 UTC

QSN QSA2 K
 R Z QSA2 (Both stations on this frequency)
 IEC BT 75 EEEE IEC = 7519 P K (Normally associated with Exercise traffic)
 SC = 5096 AR
 R
 ISR NR 677 K
 7Z EEEEE I I SR 7G GA K
 ISR 7SG GA K
 R GA
 ..2 39.. 0327 .600 = 48
 R AS
 210 O 3975 K
 R MSG 3622 TO 3975

8073 kHz, 04-03, 1201 UTC: avery long one

3D3 4DT 4D6 ... (Note 3 fig groups vice the usual 4)
 III = (Another station on freq which cause interference)
 AR AR
 GA K. GA K
 R QSL 2012 K
 N GA K. N GA K. N GA
 N QSL 2016 K
 NR 0 EEEE
 R F NR 07/EX 2017 RMKS 7439 TO 7402 K
 N = HU EEEEE = SWNG1/BCSO3 AR
 = SWNG1/BCSO3 AR K
 N GA K. N GA K. N GA K
 N QSL 2023 K
 N MSG NR 07 CK 99 14 0304 2000 RMKS 7439 TO 7403 EEEE
 MSG NR 07 CK 99 14 0304 20000 RMKS 7439 TO 7402 K
 R EEE
 MSG NR 07 CK 99 14 0304 2000 RMKS 7439 TO 7402 K K =
 UD7N A645 N3A7 U76T T54U 3U56 4ND6 3T67 TA7T TTAD (Cont'd)
 (Machine sent - very fast)
 AR AR K N SK SK K
 VVV R (Different station - weaker signal)
 VV DE J2TW K
 QSA2 K
 N. 7149 RI K
 R HR NR 302 K
 GA
 R QSL 2034 K. R QSL 2035 K. QSL 2035 K
 N F NR NR 08/EX 2036 RMKS 7446 TO 7402 =
 = F3CW/JS7QK AR K
 F NR 08/EX 2036 RMKS 7446 TO 74012 =
 = F3CW/JS7QK AR K
 R GA
 RPT 66W K. RPT 66W K
 R M FM K
 R QSL 2045K QSL 2045 K
 AS AS G NR 08 CK 99 14 0304 2045 RMKS 7446 TO 7402 K
 = (Machine sent - fast)
 346A N4NA 5NT6 7T74 .DD. 7U43 53.6 5UT4 TAD4 TTT3 (Cont'd)
 AR
 R = 5DD4 AR
 = 5TD4 AR (Cont'd to repeat groups)
 Y N
 VA VV
 R DE J2TW K
 R QSA 2 K
 R = 7149 AR K
 R HR NR 302 K
 R GA R GA GA
 R RPT 7W K 7W 7W 7W K
 R R QSL 2109 K
 N GA GA
 R QSL 2110 K
 R F NR 09/EX 211 7446 TO 74.. =
 KGJQ1/5..S2 AR K
 DTG 2110 K
 R R R GA GA
 R RPT 47W K (Cont'd to ask for repeats)
 R QSL 2120 K
 MSG NR 09 CK 99 14 0304 2121 RMKS 7446 TO 7439 K
 R = (Machine sent - fast - Signal starting to fade)
 DT7N 6U5A TU36 3T364 UNUT N5D4 A5T7 5UAT TA64 TTT4 (Cont'd)
 AR R 1W = DT7N AR
 R R SK GB
 RR B EEEE ..N HR O2Y K
 R QSA 2 K
 R 7149 AR K
 U QSY TO NR 22 QSY TO NR 22 NR 22 K
 U QSY TO NR 22 K
 U QSY TO NR 22 K K

GA R GA
 U QSY TO NR 22 NR 22 K K
 U QSY TO NR 12 NR 11 K
 U QSY TO NR 11 NR 11 K
 U QSY TO NR 11 NR 11 K K
 U QSY TO NR 20 NR 20 U QSY TO NR 20 U QSY TO NR 20 AR
 U QSY TO NR 20 NR 20 K K
 A QSY TO NR 17 NR 17 U QSY TO NR 17 NR 17 K K
 U QSY TO NR 17 NR 17 U QSY TO NR 17 NHJH17 T K
 R K
 U QSY TO NR 18 U QSY TO NR 18 U QSY TO NR 18 K
 DHP4 DHP4 DE TNK1 CK 2W K/BJ2. K
 R QSA2 K. R QSA2 K (Both stations now on this frequency - Could NR 18 be 8073?)
 R R IEC = 9639 AR K
 R = 7139 AR K
 R R HR NR NOT K
 NH NR 30. K
 YS
 R HR QSP GA K
 R AGN K
 HR QSP GA K. R GA K
 MSSG NR 10 CK 5 EEEEE
 NR 10 CK 30 61 0304 1935 RMKS 2542 TO 7432/7402/7439/7446 K
 R GA K
 R =
 65D4 743. AND7 5ANT UA4A 3N67 A764 6A54 TA7. TU6 (Cont'd)
 AR
 R R PG EEEE R RPT 1W K
 1W = 65D4 AR
 R F GA K
 QSL?
 R QSL 1EEEE R R QSL 2148 K
 HR F
 R K. R H F GA K.
 R R QSL 2148 K
 R R R H F GA K
 R HF GA K GA
 R AGN K GA GA
 R F R F NR 080/EX 2149 RMKS 7432 TO 7446 =
 ABCQ2/RLAK7 AR =
 ABCQ2/RLAK7 AR K
 R QSL 2149 K
 R A GN K
 QSL 2149 K
 R HR F GA K
 R GA K
 F NR 10/EX 2151 RMKS 7446 7432 K
 R GA K
 R = KSDT7/ISPZ. AR =
 KSDT7/ISPZ6 AR K
 R AGN K
 R = = KSDT7/ISPZ6 AR K = KSDT7/ISPZ6 AR K
 R QSL 2153 K
 AGN GA K
 R AGN K
 U7G GA K
 R AGN K
 U MSG GA K
 R R HR MGS EEEE
 R HR MSG GA K
 R MSG NR 185 CK 5 EEEE
 R R MSG NR 185 CK 50 14 0304 EEEEE
 R MSG NR 185 CK 50 14 0304 2130 RMKS 7432 TO 7946 K
 AGN
 R MSG NR 185 CK 50 EEEE
 R R MSG NR 185 CK 50 14 044 2130 RMKS 7432 TO 7446 K =
 ASUT DNUD UN4T U376 NT73 T7AU 377U DNTD TA7A TTUT (Cont'd)
 AR
 R R QSL 2159 K
 R SK SK
 SK GB (1358z silent)



M901

Enigma's Brian sent us an update on the M901 activity of late.

The scheds on Mon / Wed & Sat at 0810z have continued to appear throughout Feb & into Mar on the two main freqs of 16720 / 20112 kHz. 16720 is quite strong here whilst 20112 is always weak in Western Europe.

The exchange starts with a CW call-up from 16720 of KLM KLM KLM and usually calls for QSY to 20112 (so perhaps the remote stn is on a different freq to start - I don't know). If they are unable to get a good contact they will QSY to one or sometimes two other freqs until this is achieved, acknowledged with a QSA4.

The 20112 station will then send its msg, and at the end the 16720 will sent his msg. The contact will then conclude with a short CW exchange, usually QSL QTC1 NIL SK, or something similar.

When the stations QSY to another freq, the remote station will often call with APW APW APW to re-establish contact.

So we have two call signs, but I don't know if the call used refers to the calling stn or the station being called, I think perhaps the first – so 16720 would be KLM and 20112 APW.

From a promising start with a stn sending CW 5 fig msgs the station has changed to RTTY 50/500, again in 5 fig grps. On two occasions they have used a different mode - digital but unidentified, but the rest of the time it has used RTTY 50/500.

From Sat 09 Mar the RTTY has been encrypted and thus unreadable.

Our best guess with this station is that it is related to the M42 set of stations. We are continuing to monitor the station throughout March.

Best Regards
Brian

VARIOUS MODES



HM01

Dirección General de Inteligencia

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|-------------------------------------|
| 11435 | 1-3 | 1603 | Sat | 83522 76105 65312 66784 17704 28278 |
| 11530 | 1-3 | 1700 | Sat | 83522 76105 65312 66784 17704 28278 |
| 11635 | 1-3 | 1800 | Sat | 83522 76105 65312 66784 17704 28278 |
| 16180 | 1-3 | 2108 | Sat | 83522 76105 65312 66784 17704 28278 |
| 17480 | 1-3 | 2201 | Sat | 83522 76105 65312 66784 17704 28278 |
| 11435 | 2-3 | 1604 | Sun | 83522 76105 65312 66784 17704 28278 |
| 11530 | 2-3 | 1703 | Sun | 83522 76105 65312 66784 17704 28278 |
| 11635 | 2-3 | 1800 | Sun | 83522 76105 65312 66784 17704 28278 |
| 11635 | 2-3 | 2101 | Sun | 83522 76105 65312 66784 17704 28278 |
| 10715 | 2-3 | 2158 | Sun | 83522 76105 65312 66784 17704 28278 |
| 10715 | 2-3 | 2230 | Sun | 83522 76105 65312 66784 17704 28278 |
| 11435 | 3-3 | 1603 | Mon | 83522 76105 65312 66784 17704 28278 |

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|---|
| 11530 | 3-3 | 1708 | Mon | 83522 76105 65312 66784 17704 28278 |
| 11635 | 3-3 | 1801 | Mon | 83522 76105 65312 66784 17704 28278 |
| 11635 | 3-3 | 2100 | Mon | 83522 76105 65312 66784 17704 28278 |
| 10715 | 3-3 | 2200 | Mon | 83522 76105 65312 66784 17704 28278 |
| 11435 | 4-3 | 1603 | Tue | 83522 76105 65312 66784 17704 28278 |
| 11635 | 4-3 | 1800 | Tue | 83522 76105 65312 66784 17704 28278 |
| 16180 | 4-3 | 2100 | Tue | 83522 76105 65312 66784 17704 28278 |
| 16180 | 4-3 | 2107 | Tue | 83522 76105 65312 66784 17704 28278 |
| 17480 | 4-3 | 2200 | Tue | 83522 76105 65312 66784 17704 28278 |
| 17480 | 4-3 | 2200 | Tue | 83522 76105 65312 66784 17704 28278 |
| 11435 | 5-3 | 1604 | Wed | 83522 76105 65312 66784 17704 28278 |
| 11530 | 5-3 | 1710 | Wed | 83522 76105 65312 66784 17704 28278 |
| 11635 | 5-3 | 1801 | Wed | 83522 76105 65312 66784 17704 28278 |
| 11635 | 5-3 | 2103 | Wed | 83522 76105 65312 66784 17704 28278 |
| 10715 | 5-3 | 2201 | Wed | 83522 76105 65312 66784 17704 28278 |
| 11530 | 6-3 | 1752 | Thu | 53715 86552 83465 16513 15346 40874 |
| 7555.1 | 6-3 | 2002 | Thu | YL/SS in LSB Announces 3 groups 80362 08002 16122 followed by RDFT). Then 5FGs |
| 16181.3 | 6-3 | 2100 | Thu | Off freq. 53715 86552 83465 16513 15346 40874 |
| 17480 | 6-3 | 2200 | Thu | 40874 then stops. Restarts with 53715 86552 83465 16513 15346 40874 |
| 11435 | 7-3 | 1607 | Fri | 63382 86557 11874 16517 74852 40878 |
| 11530 | 7-3 | 1701 | Fri | 63382 86557 11874 16517 74852 40878 |
| 11635 | 7-3 | 1800 | Fri | 63382 86557 11874 16517 74852 40878 |
| 11635 | 7-3 | 2105 | Fri | 63382 86557 11874 16517 74852 40878 |
| 10715 | 7-3 | 2200 | Fri | 54471 87011 83871 15612 48161 18821 |
| 11435 | 8-3 | 1603 | Sat | 54471 87011 83871 16512 48161 18821 |
| 11635 | 8-3 | 1603 | Sat | 54471 87011 83871 16512 48161 18821. Now on the right freq but group announcements messed up, stops and starts again with 54471 etc at 1804 UTC |
| 11530 | 8-3 | 1658 | Sat | 54471 87011 83871 16512 48161 18821. Still going at 1759. Should be on 11635 kHz |
| 16180 | 8-3 | 2100 | Sat | Group announcements messed up. |
| 17480 | 8-3 | 2203 | Sat | 54471 87011 83871 16512 48161 18821 |
| 9330 | 9-3 | 0729 | Sun | 54471 87011 83871 16512 48161 18821. After 15 secs same msg started again overlapping the first one |
| 9930 | 9-3 | 0730 | Sun | Messed up transmission 011 83871 83871 16512 16512 48161 etc mixng with RDFT |
| 9330 | 9-3 | 0736 | Sun | YL w/ usual 5FGs interspersed w/ RDFT xmns |
| 9065 | 9-3 | 0759 | Sun | YL w/ 5FGs & RDFT xmns |
| 9065 | 9-3 | 0800 | Sun | Again 2 mixed messages |
| 11435 | 9-3 | 1611 | Sun | 54471 87011 83871 16512 48161 18821 |
| 11530 | 9-3 | 1719 | Sun | 54471 87011 83871 16512 48161 18821 |
| 11635 | 9-3 | 1802 | Sun | 54471 announcements messed up, then 54471 87011 83871 16512 48161 18821 |
| 11635 | 9-3 | 2104 | Sun | 54471 87011 83871 16512 48161 18821 |
| 10715 | 9-3 | 2200 | Sun | 54471 87011 83871 16512 48161 18821 |
| 11435 | 10-3 | 1602 | Mon | 54472 87012 83872 16513 48162 18822 (The groups were messed up for a while) |
| 11530 | 10-3 | 1700 | Mon | 54472 87012 83872 16513 48162 18822 |
| 11635 | 10-3 | 1800 | Mon | 54472 87012 83872 16513 48162 18822 |
| 10715 | 10-3 | 2200 | Mon | 54472 87012 83872 16513 48162 18822 |
| 5855 | 12-3 | 0540 | Wed | 5FGS + RDFT data |
| 10345 | 12-3 | 0600 | Wed | 5FGS + RDFT data |
| 9240 | 12-3 | 0900 | Wed | 63382 86557 11874 16517 74852 40878 |
| 11635 | 12-3 | 1800 | Wed | 00702 21742 60212 82672 48164 21042 |
| 16180 | 13-3 | 2100 | Thu | 18622 21743 60213 37852 48167 21043 |
| 11530 | 14-3 | 1705 | Fri | 18622 etc |

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|--|
| 11635 | 14-3 | 2059 | Fri | 63382 86557 11874 165517 74852 40878 |
| 16179 | 15-3 | 2100 | Sat | |
| 9065 | 16-3 | 0816 | Sun | i.p. Spanish YL 5FGs 36472, 02562, 09242 + RDFT |
| 10715 | 17-3 | 2200 | Mon | 02564 20884 76284 32044 07244 32474 |
| 11435 | 18-3 | 1603 | Tue | 76285 32045 32475 02565 20885 |
| 11530 | 18-3 | 1700 | Tue | 76285 32045 32475 02565 20885 |
| 11635 | 18-3 | 1800 | Tue | 76285 32045 32475 02565 20885 |
| 16180 | 18-3 | 2101 | Tue | 76285 32045 32475 02565 20885 |
| 5855 | 19-3 | 0600 | Wed | 76285 32045 07245 32475 02565 26885 |
| 11435 | 19-3 | 1625 | Wed | 05001 32046 07246 10601 02566 20886 |
| 11530 | 19-3 | 1702 | Wed | 05001 32046 07246 10601 02566 20886 |
| 11635 | 19-3 | 1800 | Wed | 05001 32046 07246 10601 02566 20886 |
| 11635 | 19-3 | 2104 | Wed | 05001 32046 07246 10601 02566 20886 |
| 11435 | 20-3 | 1602 | Thu | 05002 10631 07247 10602 20887 |
| 11530 | 20-3 | 1707 | Thu | 05002 10631 07247 10602 20887 |
| 11635 | 20-3 | 1800 | Thu | 05002 10631 07247 10602 20887 |
| 16180 | 20-3 | 2145 | Thu | 05002 10631 07247 10602 20887 |
| 11635 | 21-3 | 0559 | Fri | 05002 10631 14640 10602 95720 20887 |
| 11635 | 21-3 | 1817 | Fri | 05002 10631 07247 10602 02567 20887 |
| 11635 | 21-3 | 2111 | Fri | 05002 10631 07247 10602 02567 20887 |
| 10715 | 21-3 | 2200 | Fri | 05002 10631 14640 10602 95720 20887 |
| 11435 | 22-3 | 1602 | Sat | 05003 10632 14641 10603 95721 20888 |
| 11530 | 22-3 | 1700 | Sat | 05003 10632 14641 10603 95721 20888 |
| 11635 | 22-3 | 1800 | Sat | 05003 10632 14641 10603 95721 20888 |
| 16180 | 22-3 | 2100 | Sat | 05003 10632 14641 10603 95721 20888 |
| 17480 | 22-3 | 2249 | Sat | 05003 10632 14641 10603 95721 20888 |
| 5855 | 23-3 | 0500 | Sun | 05003 10632 14641 10603 95721 20888 |
| 10345 | 23-3 | 0600 | Sun | 05003 10632 14641 10603 95721 20888 |
| 9065 | 23-3 | 0802 | Sun | Spanish numbers |
| 11435 | 23-3 | 1600 | Sun | 05004 10633 14642 10604 95722 20889 |
| 11530 | 23-3 | 1700 | Sun | 05004 10633 14642 10604 95722 20889 |
| 11635 | 23-3 | 1757 | Sun | 05004 10633 14642 10604 95722 20889 |
| 11635 | 23-3 | 2103 | Sun | 05004 10633 14642 10604 95722 20889 |
| 10715 | 23-3 | 2208 | Sun | 05004 10633 14642 10604 95722 20889 |
| 11635 | 24-3 | 1800 | Mon | 05004 10633 14642 10604 95722 20889 |
| 11635 | 24-3 | 2100 | Mon | 05003 10632 14642 10603 95722 20888. Note: This is repeat of groups sent on 22 March |
| 10715 | 24-3 | 2200 | Mon | 05003 10632 14642 10603 95722 20888. Note: This is repeat of groups sent on 22 March |
| 11435 | 25-3 | 1600 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) |
| 11530 | 25-3 | 1730 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) |
| 11635 | 25-3 | 1801 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) |
| 11635 | 25-3 | 2101 | Tue | 05004 10633 14643 10604 95723 20889 (back to 23 March groups) |
| 17480 | 25-3 | 2200 | Tue | 05004 10633 14643 10604 95723 20889 |
| 5855 | 26-3 | 1017 | Wed | 05002 10631 14640 10602 95720 20887 //9155 kHz (Repeat of 20 and 21 March) |
| 9155 | 26-3 | 1017 | Wed | 05002 10631 14640 10602 95720 20887 //5855 kHz (Repeat of 20 and 21 March) |
| 11435 | 26-3 | 1618 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) |
| 11530 | 26-3 | 1708 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) |
| 11635 | 26-3 | 1800 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) |
| 11635 | 26-3 | 2039 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) |
| 10715 | 26-3 | 2159 | Wed | 05005 10634 14644 10605 95724 82131 |
| 12180 | 27-3 | 1036 | Thu | 05002 10631 14640 10602 95720 20887 (repeat of 21 March groups) |
| 11635 | 27-3 | 1041 | Thu | 05005 10634 14644 10605 95724 82131 Each group twice then very brief RDFT signals |

| frequency | date | UTC | day | remarks |
|-----------|------|------|-----|--|
| 11530 | 27-3 | 1731 | Thu | 95720 28741 10531 42404 73482 14640 |
| 11635 | 27-3 | 1808 | Thu | 95720 28741 10531 42404 73482 14640 |
| 16180 | 27-3 | 2100 | Thu | 95720 28741 10531 42404 73482 14640 |
| 17480 | 27-3 | 2200 | Thu | 95720 28741 10531 42404 73482 14640 |
| 5854.9 | 28-3 | 1031 | Fri | 95720 28741 10531 42404 73482 14640 |
| 9155.4 | 28-3 | 1032 | Fri | 95720 28741 10531 42404 73482 14640 (Not in sync with 5854,9) |
| 11635 | 28-3 | 1814 | Fri | 95727 28746 10532 42405 75483 14647 |
| 10715 | 28-3 | 2216 | Fri | 95727 28746 10532 42405 75483 14647 |
| 11635 | 28-3 | 2216 | Fri | 95727 28746 10532 42405 75483 14647 |
| 11435 | 29-3 | 1449 | Sat | 95727 28743 10532 42405 73483 14647, stopped. Resumed with 95727 etc at 1601 UTC |
| 11530 | 29-3 | 1703 | Sat | 95728 28743 10533 42406 73484 14648 |
| 11635 | 29-3 | 1808 | Sat | 95728 28743 10533 42406 73484 14648 |
| 16180 | 29-3 | 2104 | Sat | 95728 28743 10533 42406 73484 14648 |
| 17480 | 29-3 | 2250 | Sat | 95728 28743 10533 42406 73484 14648 |
| 5855 | 31-3 | 1000 | Mon | 82841 28744 10534 42407 73485 14649 |
| 9155 | 31-3 | 1000 | Mon | 82841 28744 10534 42407 73485 14649 not //5855 kHz |
| 11435 | 31-3 | 1600 | Mon | 82841 28745 10535 80541 73486 83761 |
| 11530 | 31-3 | 1700 | Mon | 82841 28745 10535 80541 73486 83761 |
| 11635 | 31-3 | 1759 | Mon | 82841 28745 10535 80541 73486 83761 |
| 11635 | 31-3 | 2100 | Mon | 82842 28746 10536 80541 73487 83761 |
| 10715 | 31-3 | 2200 | Mon | 82842 28746 10536 80541 73487 83761 |

M08a and **HM01** schedules

Compiled by Don Schimmel + additional info from UDXF

Revision date: 30 March 2014

| UTC | Sun | Mon | Tue | Wed | Thu | Fri | Sat | UTC |
|------|--------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 0000 | | | | | | | | 0000 |
| 0100 | | | | | | | | 0100 |
| 0200 | | | | | | | | 0200 |
| 0300 | | | | | | | | 0300 |
| 0400 | | | | | | | | 0400 |
| 0500 | 12180 | 12180 | 12180 | 12180 | 12180 | 12180 | 12180 | 0500 |
| 0600 | 11435 | 11435 | 11435 | 11435 | 11435 | 11435 | 11435 | 0600 |
| 0700 | 9330 | 9330 | 13435 | 9330 | 13435 | 9330 | 13435 | 0700 |
| 0800 | 9065 | 9065 | 11635 | 9065 | 11635 | 9065 | 11635 | 0800 |
| 0900 | 9240 | 9240 | 12120 | 9240 | 12120 | 9240 | 12120 | 0900 |
| 1000 | 5855 9155 | 5855 9155 | 12180 11635 | 5855 9155 | 12180 11635 | 5855 9155 | 12180 11635 | 1000 |
| 1100 | | | | | | | | 1100 |
| 1200 | | | | | | | | 1200 |
| 1300 | | | | | | | | 1300 |
| 1400 | 8097 | 8097 | 8097 | 8097 | 8097 | 8097 | 8097 | 1400 |
| 1500 | | | | | | | | 1500 |
| 1600 | 11435 | 11435 | 11435 | 11435 | 11435 | 11435 | 11435 | 1600 |
| 1700 | 11550 | 11550 | 11550 | 11550 | 11550 | 11550 | 11550 | 1700 |
| 1800 | 11635 | 11635 | 11635 | 11635 | 11635 | 11635 | 11635 | 1800 |
| 1900 | | | | | | | | 1900 |
| 2000 | 7554 | 7554 | 7554 | 7554 | 7554 | 7554 | 7554 | 2000 |
| 2100 | 11635 | 11635 | 16180 | 11635 | 16180 | 11635 | 16180 | 2100 |
| 2200 | 10715 | 10715 | 17480 | 10715 | 17480 | 10715 | 17480 | 2200 |
| 2300 | | 8009 | 8135 | 8009 | 8135 | 8009 | 8135 | 2300 |
| 2300 | 11530 | 11530 | 17540 | 11530 | 17540 | 11530 | 17540 | 2300 |
| UTC | Sun | Mon | Tue | Wed | Thu | Fri | Sat | UTC |

M42 & X06

Russian Government & Intelligence



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



M42 logs

| frequency | date | UTC | remarks | mode |
|-----------|------|------|---|----------------|
| 6795 | 25-2 | 0456 | RXZ32: St.Petersburg idling | Baudot 50/500 |
| 20944 | 3-3 | 1107 | Russian Intel. | FSK 200/1000 |
| 18655 | 3-3 | 1110 | Russian Intel. | FSK 200/1000 |
| 16214 | 3-3 | 1121 | Russian Intel. | FSK 200/1000 |
| 14833 | 3-3 | 1430 | Russian Intel. | FSK 200/1000 |
| 12176 | 3-3 | 1438 | Russian Intel. | FSK 200/1000 |
| 10548 | 3-3 | 1450 | Russian Intel. | FSK 200/1000 |
| 16023 | 4-3 | 0133 | Russian diplo. 11177 00117 26481 03010 01709 | Baudot 200/500 |
| 16320 | 4-3 | 0150 | Russian diplo/intel. Messages on links 13366, 33087, 63645 | FSK 200/1000 |
| 14880 | 4-3 | 0230 | Russian diplo/intel. Messages on links 28690, 40991, 57400, 40986 | FSK 200/1000 |
| 19202 | 4-3 | 0737 | Russian diplo | CROWD-36 |
| 22860 | 4-3 | 0841 | Russian diplo. | CROWD-36 |
| 20428 | 4-3 | 0910 | Russian diplo/intel. Msg on link 16396 | FSK 200/1000 |
| 13983 | 4-3 | 0948 | Russian Intel. | FSK 200/500 |
| 16351 | 4-3 | 1100 | Russian Intel. | FSK 200/500 |
| 13379 | 4-3 | 1112 | Russian Intel. | FSK 200/500 |
| 20856 | 4-3 | 1120 | Russian diplo/intel. Msg on link 01123 | FSK 200/1000 |
| 11068 | 4-3 | 1126 | Russian Intel. | FSK 200/500 |
| 20637 | 4-3 | 1200 | Russian diplo/intel. Msg on link 32799 | FSK 200/1000 |
| 20361 | 4-3 | 1400 | Russian diplo/intel. Msg on link 32799 | FSK 200/1000 |
| 7857 | 4-3 | 1918 | Russian Intel. | FSK 200/1000 |
| 9042 | 4-3 | 1918 | Russian Intel. | FSK 200/1000 |
| 11164 | 4-3 | 1918 | Russian Intel. | FSK 200/1000 |
| 9136 | 4-3 | 1923 | Russian Intel. | FSK 200/1000 |
| 10193 | 4-3 | 2215 | Russian Intel. | FSK 200/1000 |
| 10297 | 4-3 | 2215 | Russian Intel. | FSK 200/1000 |
| 8174 | 4-3 | 2223 | Russian Intel. | FSK 200/1000 |
| 9063 | 4-3 | 2225 | Russian Intel. | FSK 200/1000 |
| 20666 | 5-3 | 0829 | Russian diplo | CROWD-36 |
| 20691 | 5-3 | 1000 | Russian diplo/intel. Msgs on link 49202 | FSK 200/1000 |
| 19324 | 5-3 | 1340 | Russian diplo/intel. Msgs on link 49162 | FSK 200/1000 |
| 16320 | 6-3 | 0150 | Russian diplo/intel. Messages on links 00158, 13843, 57716, 57658, 41022, 41018 | FSK 200/1000 |
| 14880 | 6-3 | 0230 | Russian diplo/intel. Messages on links 34753, 63518, 57726 | FSK 200/1000 |
| 7602 | 6-3 | 2000 | Russian diplo/intel 7 49 | FSK 200/500 |

| frequency | date | UTC | remarks | mode |
|-----------|------|------|---|--------------|
| 5756 | 6-3 | 2010 | Russian diplo/intel 7 49 | FSK 200/500 |
| 4469 | 6-3 | 2020 | Russian diplo/intel 7 49 | FSK 200/500 |
| 16320 | 7-3 | 0150 | Russian diplo/intel. Messages on links 29750, 29758, 41018, 41023, 65278, 41022 | FSK 200/1000 |
| 14880 | 7-3 | 0230 | Russian diplo/intel. Messages on links 13430, 13366, 41018, 41022, 55312, 57402 | FSK 200/1000 |
| 16342 | 7-3 | 0751 | Russian diplo/intel. | FSK 200/1000 |
| 20428 | 7-3 | 0910 | Russian diplo/intel. Msgs on link 16396 | FSK 200/1000 |
| 20428 | 7-3 | 0913 | Russian diplo/intel. | FSK 200/1000 |
| 20185 | 7-3 | 0916 | Russian diplo | CROWD-36 |
| 18723 | 7-3 | 0919 | Russian diplo/intel. | FSK 200/1000 |
| 20944 | 7-3 | 1100 | Russian diplo/intel. Msgs on link 16396 | FSK 200/1000 |
| 10548 | 7-3 | 1450 | Russian diplo/intel. Msgs on link ? | FSK 200/1000 |
| 16211 | 8-3 | 0318 | Russian diplo/intel. Tfc on link 32799 | FSK 200/1000 |
| 14426 | 8-3 | 0328 | Russian diplo/intel. Tfc on link 32799 | FSK 200/1000 |
| 18437 | 8-3 | 1300 | msg Russian diplo/intel 6 48 | FSK 200/500 |
| 16305 | 8-3 | 1310 | msg Russian diplo/intel 6 48 | FSK 200/500 |
| 14719 | 8-3 | 1320 | msg Russian diplo/intel 6 48 | FSK 200/500 |
| 16111 | 9-3 | 0930 | Russian diplo/intel | FSK 200/1000 |
| 18948 | 9-3 | 1000 | Russian diplo/intel | FSK 200/1000 |
| 16223 | 9-3 | 1010 | Russian diplo/intel | FSK 200/1000 |
| 14639 | 9-3 | 1020 | Russian diplo/intel | FSK 200/1000 |
| 12184 | 9-3 | 1810 | Russian diplo/intel | FSK 200/1000 |
| 16320 | 10-3 | 0150 | Russian diplo/intel. Messages on links 13366, 29718, 41023, 57403 | FSK 200/1000 |
| 14880 | 10-3 | 0230 | Russian diplo/intel. Messages on links 41022, 02193 | FSK 200/1000 |
| 16320 | 11-3 | 0150 | Russian diplo/intel. Messages on links 24634, 65395, 53397 | FSK 200/1000 |
| 14880 | 11-3 | 0230 | Russian diplo/intel. Messages on links 57658, 06027, 41018, 45093, 40962 | FSK 200/1000 |
| 10642 | 11-3 | 2230 | Russian diplo/intel. Messages on links 46102, 12116, 57660, 00179 | FSK 200/1000 |
| 16320 | 12-3 | 0150 | Russian diplo/intel. Messages on links 08383, 24954 | FSK 200/1000 |
| 14880 | 12-3 | 0230 | Russian diplo/intel. Messages on links 40988, 24527, 41018, 19279, 41022, 61365, 06770 | FSK 200/1000 |
| 16320 | 13-3 | 0150 | Russian diplo/intel. | FSK 200/1000 |
| 14880 | 13-3 | 0230 | Russian diplo/intel. Messages on links 41018, 22594, 45114, 32826 | FSK 200/1000 |
| 10537 | 13-3 | 1610 | Russian diplo | CROWD-36 |
| 14880 | 14-3 | 0230 | Russian diplo/intel. Messages on links 13430, 00024, 20772, 41018, 41050, 00026, 32794 | FSK 200/1000 |
| 16320 | 17-3 | 0150 | Russian diplo/intel. Messages on links 16644, 33134, 02429, 00058 | FSK 200/1000 |
| 14880 | 17-3 | 0230 | Russian diplo/intel. Messages on link 17378 | FSK 200/1000 |
| 14467 | 17-3 | 0745 | Russian diplo | CROWD-36 |
| 10942 | 17-3 | 0756 | Russian diplo | CROWD-36 |
| 18277 | 17-3 | 1108 | Russian diplo | CROWD-36 |
| 11438 | 17-3 | 1640 | Russian diplo | CROWD-36 |
| 16320 | 18-3 | 0150 | Russian diplo/intel. | FSK 200/1000 |
| 14880 | 18-3 | 0230 | Russian diplo/intel. Messages on links 13362, 08440, 15062, 59946, 32826 | FSK 200/1000 |
| 10642 | 18-3 | 2230 | Russian diplo/intel. Messages on links 46134, 04110, 40974, 00000, 28680, 40988, 61468, 61464, 61470, 61500 | FSK 200/1000 |
| 14570 | 19-3 | 0727 | Tentative Russian diplo | MFSK 66 Tone |
| 14411 | 19-3 | 0732 | Russian diplo | CROWD-36 |
| 14395 | 19-3 | 0733 | Russian diplo | CROWD-36 |
| 14636 | 19-3 | 0752 | Tentative Russian diplo | MFSK 66 Tone |
| 16106 | 19-3 | 0758 | Russian diplo | CROWD-36 |
| 18280 | 19-3 | 0812 | Tentative Russian diplo | MFSK 66 Tone |

| frequency | date | UTC | remarks |
|-----------|------|------|---|
| 16132 | 6-3 | 1233 | Mazielka. Sequence: 342314 |
| 20837 | 7-3 | 0930 | Mazielka. Sequence: 645321 |
| 14970 | 8-3 | 1530 | Mazielka. Sequence: 416352 |
| 10601 | 9-3 | 1810 | Mazielka. Sequence: 145632 |
| 20837 | 10-3 | 0952 | Mazielka. Sequence: 645321 |
| 10731 | 12-3 | 1855 | Mazielka. Sequence: 314265 |
| 10535 | 13-3 | 1615 | Mazielka. Sequence: 564213 |
| 10535 | 13-3 | 1615 | Mazielka. Sequence: 521634 |
| 20605 | 14-3 | 0957 | Mazielka. Sequence: 256134 |
| 19611 | 14-3 | 1005 | Mazielka. Sequence:256134 1005z-1012z |
| 18750 | 17-3 | 0749 | Mazielka. Sequence: 641523 |
| 11438 | 17-3 | 1638 | Mazielka. Sequence: 532614 |
| 18575 | 20-3 | 1241 | Mazielka. Sequence: 352416 interrupted by a T600 signal. X06 carrier dropped and moved to 19405 kHz |
| 19405 | 20-3 | 1248 | Mazielka. Sequence: 352416 |
| 18197 | 21-3 | 0924 | Mazielka. Sequence 645321 |
| 19611 | 23-3 | 1007 | Mazielka. Sequence: 314265 |
| 19511 | 23-3 | 1026 | Mazielka. Sequence: 314265 |
| 20690 | 24-3 | 0829 | Mazielka. Sequence: 156234 |
| 18660 | 25-3 | 1153 | Mazielka. Sequence: 621543. Comes from 18960 kHz |
| 18960 | 25-3 | 1153 | Mazielka. Sequence: 621543. Moves to 18660 kHz |
| 18660 | 25-3 | 1159 | Mazielka. Sequence: 621543 |
| 20605 | 28-3 | 1029 | Mazielka. Sequence: 412356 changed after 15sec to 314265 |
| 19511 | 28-3 | 1101 | Mazielka. Sequence: 314265 |
| 19511 | 28-3 | 1109 | Mazielka. Sequence: 314265 |
| 13439 | 12-3 | 1801 | Mazielka. Sequence: 1--3-- |
| 26600 | 4-3 | 1055 | Mazielka. Sequence: 123456 |
| 14875 | 4-3 | 1805 | Mazielka. Sequence: 123456 |
| 14875 | 4-3 | 1820 | Mazielka. Sequence: 123456 |
| 11570 | 4-3 | 2053 | Mazielka. Sequence: 123456 |

16320 kHz, 04-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 13366 Msg Number 128 Msg Type 13366 : Group Count (?) 0 00000 00000 00000 01167 00296 00000 00000 53452
Link ID 33087 Msg Number 207 Msg Type 07152 : Group Count (?) 245 32768 61830 64304 13307 64621 00204 00625 29603
Link ID 63645 Msg Number 230 Msg Type 07149 : Group Count (?) 253 34824 61883 65352 39423 62614 32814 00816 28891

14880 kHz, 04-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 28690 Msg Number 000 Msg Type 13878 Group Count (?) 0 00000 00000 00000 00013 02304 02048 00000 61516
Link ID 40991 Msg Number 237 Msg Type 08169 Group Count (?) 247 34816 61862 55760 04607 23734 00110 00817 29151
Link ID 57400 Msg Number 196 Msg Type 08173 Group Count (?) 247 32776 63999 56072 05009 43231 37055 00272 14580
Link ID 40986 Msg Number 205 Msg Type 08169 Group Count (?) 245 34816 61862 56064 04529 19702 00238 00816 29145

16320 kHz, 06-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 00158 Msg Number 002 Msg Type 06624 Group Count (?) 76 03136 07180 36350 20377 18817 02126 31082 56383
Link ID 13843 Msg Number 177 Msg Type 12343 Group Count (?) 118 20577 00000 02056 00019 07821 57372 03550 13851
Link ID 57716 Msg Number 243 Msg Type 07145 Group Count (?) 245 32768 57247 35643 15544 43389 04219 25724 28515
Link ID 57658 Msg Number 225 Msg Type 07147 Group Count (?) 247 32784 57279 35727 15580 65022 06397 63230 32753
Link ID 41022 Msg Number 241 Msg Type 07145 Group Count (?) 245 32768 57237 35229 05372 21687 02237 45758 14257
Link ID 41018 Msg Number 225 Msg Type 07145 Group Count (?) 245 32768 57237 35215 05340 64950 06333 62142 30641

14880 kHz, 06-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 34753 Msg Number 168 Msg Type 48138 Group Count (?) 210 01720 16787 07127 40623 53058 58147 63534 02373
Link ID 63518 Msg Number 241 Msg Type 07145 Group Count (?) 245 32776 57238 50253 06764 21687 02239 41662 14257
Link ID 57726 Msg Number 243 Msg Type 08171 Group Count (?) 255 32784 65471 35743 15612 22207 02303 46078 16369

16320 kHz, 07-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 29750 | Msg Number 000 | Msg Type 13366 | Group Count (?) 0 | 17248 | 00003 | 00000 | 00343 | 15371 | 01807 | 00008 | 06135 |
| Link ID 29758 | Msg Number 000 | Msg Type 13342 | Group Count (?) 0 | 17184 | 00000 | 00000 | 00307 | 07179 | 03851 | 00000 | 07927 |
| Link ID 41018 | Msg Number 235 | Msg Type 08169 | Group Count (?) 245 | 32768 | 45430 | 06391 | 10023 | 29862 | 34344 | 63587 | 04387 |
| Link ID 41023 | Msg Number 255 | Msg Type 07161 | Group Count (?) 117 | 32768 | 37238 | 06399 | 10174 | 29878 | 01576 | 63587 | 05027 |
| Link ID 65278 | Msg Number 047 | Msg Type 45405 | Group Count (?) 158 | 25275 | 49979 | 50911 | 14345 | 05524 | 07678 | 03336 | 03611 |
| Link ID 41018 | Msg Number 235 | Msg Type 08168 | Group Count (?) 242 | 34816 | 53302 | 06391 | 10030 | 29942 | 01824 | 55395 | 05027 |
| Link ID 41018 | Msg Number 235 | Msg Type 03033 | Group Count (?) 246 | 32768 | 39030 | 06399 | 10031 | 64694 | 38440 | 63587 | 45987 |
| Link ID 41022 | Msg Number 235 | Msg Type 07145 | Group Count (?) 245 | 32768 | 45430 | 06391 | 10038 | 21682 | 01568 | 55331 | 04867 |

14880 kHz, 07-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13430 | Msg Number 000 | Msg Type 13366 | Group Count (?) 0 | 00864 | 00000 | 00000 | 00887 | 31755 | 03851 | 04096 | 64759 |
| Link ID 13366 | Msg Number 000 | Msg Type 13366 | Group Count (?) 0 | 17248 | 00000 | 00000 | 00343 | 15371 | 03851 | 00000 | 48883 |
| Link ID 41018 | Msg Number 235 | Msg Type 07147 | Group Count (?) 245 | 32768 | 37238 | 06399 | 10022 | 21686 | 01576 | 55395 | 05027 |
| Link ID 41022 | Msg Number 235 | Msg Type 07145 | Group Count (?) 245 | 32768 | 37238 | 06391 | 10038 | 21686 | 01576 | 55395 | 05027 |
| Link ID 55312 | Msg Number 141 | Msg Type 18031 | Group Count (?) 105 | 00961 | 39795 | 36937 | 18630 | 16127 | 00767 | 20223 | 28671 |
| Link ID 57402 | Msg Number 235 | Msg Type 07145 | Group Count (?) 240 | 32768 | 36983 | 06391 | 10022 | 21687 | 01576 | 55395 | 05027 |
| Link ID 41018 | Msg Number 235 | Msg Type 07145 | Group Count (?) 245 | 32768 | 37238 | 02295 | 10022 | 21686 | 01576 | 55395 | 05027 |
| Link ID 41018 | Msg Number 235 | Msg Type 07145 | Group Count (?) 245 | 32768 | 36982 | 06391 | 10022 | 21654 | 01544 | 55395 | 04515 |

16320 kHz, 10-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13366 | Msg Number 096 | Msg Type 13366 | Group Count (?) 0 | 17251 | 00000 | 00000 | 01915 | 31755 | 02351 | 00000 | 11141 |
| Link ID 29718 | Msg Number 032 | Msg Type 45110 | Group Count (?) 0 | 16739 | 00000 | 00000 | 01919 | 15371 | 02351 | 00000 | 11141 |
| Link ID 41023 | Msg Number 128 | Msg Type 07136 | Group Count (?) 245 | 32768 | 13056 | 20247 | 12543 | 21686 | 03064 | 13099 | 00595 |
| Link ID 57403 | Msg Number 000 | Msg Type 08171 | Group Count (?) 247 | 32785 | 30577 | 19989 | 12479 | 21686 | 03064 | 13089 | 00083 |

14880 kHz, 10-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 41022 | Msg Number 000 | Msg Type 16361 | Group Count (?) 255 | 53264 | 63265 | 20031 | 12543 | 64950 | 04088 | 30507 | 01873 |
| Link ID 02193 | Msg Number 241 | Msg Type 49717 | Group Count (?) 28 | 65292 | 25538 | 43852 | 30516 | 65410 | 61877 | 27717 | 37123 |

16320 kHz, 11-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 24634 | Msg Number 071 | Msg Type 06889 | Group Count (?) 116 | 00000 | 48514 | 57612 | 03854 | 20662 | 32790 | 21790 | 44500 |
| Link ID 65395 | Msg Number 252 | Msg Type 12408 | Group Count (?) 144 | 53418 | 49137 | 16540 | 00997 | 01351 | 50952 | 54802 | 36770 |
| Link ID 53397 | Msg Number 131 | Msg Type 48516 | Group Count (?) 240 | 51208 | 56515 | 64846 | 03623 | 14042 | 53138 | 32644 | 65396 |

14880 kHz, 11-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 57658 | Msg Number 007 | Msg Type 08168 | Group Count (?) 247 | 32784 | 49047 | 58124 | 02126 | 21686 | 36118 | 21788 | 44500 |
| Link ID 06027 | Msg Number 111 | Msg Type 08320 | Group Count (?) 241 | 62181 | 33504 | 01085 | 08071 | 47724 | 06379 | 65394 | 28203 |
| Link ID 41018 | Msg Number 007 | Msg Type 08169 | Group Count (?) 117 | 34816 | 48518 | 57740 | 02382 | 01202 | 36626 | 11804 | 64980 |
| Link ID 45093 | Msg Number 123 | Msg Type 48151 | Group Count (?) 144 | 29605 | 00128 | 38528 | 00488 | 20576 | 45264 | 02304 | 52586 |
| Link ID 40962 | Msg Number 003 | Msg Type 07145 | Group Count (?) 245 | 32768 | 48518 | 57356 | 02054 | 00219 | 34435 | 00134 | 03810 |

10642 kHz 11-03, 2230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 46102 | Msg Number 097 | Msg Type 13347 | Group Count (?) 54 | 17217 | 25569 | 05652 | 60676 | 07183 | 16701 | 13289 | 32878 |
| Link ID 12116 | Msg Number 255 | Msg Type 64594 | Group Count (?) 117 | 53490 | 64928 | 63455 | 39503 | 27487 | 12160 | 28625 | 65421 |
| Link ID 57660 | Msg Number 118 | Msg Type 08191 | Group Count (?) 159 | 03070 | 51097 | 20415 | 01559 | 65510 | 65336 | 65471 | 65447 |
| Link ID 00179 | Msg Number 063 | Msg Type 61351 | Group Count (?) 30 | 49871 | 32897 | 32813 | 00558 | 11739 | 17011 | 01523 | 29695 |

16320 kHz, 12-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 08383 | Msg Number 141 | Msg Type 06912 | Group Count (?) 244 | 32768 | 60161 | 63849 | 31038 | 65278 | 40880 | 64505 | 52801 |
| Link ID 24954 | Msg Number 012 | Msg Type 07147 | Group Count (?) 117 | 32769 | 60259 | 64488 | 62330 | 30646 | 34716 | 65325 | 52048 |

14880 kHz, 12-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 40988 | Msg Number 132 | Msg Type 07152 | Group Count (?) 247 | 32768 | 61280 | 61472 | 45072 | 01206 | 34452 | 04141 | 51280 |
| Link ID 24527 | Msg Number 128 | Msg Type 07351 | Group Count (?) 65 | 33878 | 16438 | 03671 | 15155 | 64707 | 24072 | 29044 | 07266 |
| Link ID 41018 | Msg Number 012 | Msg Type 08169 | Group Count (?) 245 | 32768 | 64353 | 64360 | 28970 | 23734 | 38548 | 63789 | 51792 |
| Link ID 19279 | Msg Number 143 | Msg Type 00844 | Group Count (?) 143 | 11571 | 03920 | 24861 | 04104 | 14384 | 61312 | 15600 | 06400 |
| Link ID 41018 | Msg Number 012 | Msg Type 07145 | Group Count (?) 245 | 32768 | 59681 | 64360 | 28970 | 01206 | 33428 | 47405 | 51792 |
| Link ID 41022 | Msg Number 012 | Msg Type 07145 | Group Count (?) 241 | 32768 | 59680 | 64360 | 28970 | 21686 | 34452 | 47405 | 51792 |
| Link ID 61365 | Msg Number 058 | Msg Type 12724 | Group Count (?) 4 | 35291 | 34425 | 24089 | 30584 | 59732 | 56273 | 11282 | 23017 |

Link ID 06770 Msg Number 218 Msg Type 00011 Group Count (?) 8 02176 00000 24224 02282 62763 48405 00010 50409
Link ID 41018 Msg Number 012 Msg Type 07136 Group Count (?) 245 32768 61184 64360 28970 21686 34452 00429 51792

14880 kHz, 13-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 41018 Msg Number 130 Msg Type 07145 Group Count (?) 245 32768 48504 08553 00767 62646 03103 14438 57783
Link ID 22594 Msg Number 182 Msg Type 20560 Group Count (?) 148 13766 56969 04653 10178 19424 43852 15105 63491
Link ID 45114 Msg Number 130 Msg Type 07113 Group Count (?) 244 32768 47416 08457 00629 21686 03103 14950 57783
Link ID 32826 Msg Number 130 Msg Type 07145 Group Count (?) 245 32768 48440 00361 00247 65014 03391 32502 58359
Link ID 41018 Msg Number 130 Msg Type 07113 Group Count (?) 245 32768 48440 08553 00757 21686 03103 14950 57783

14880 kHz, 14-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 13430 Msg Number 224 Msg Type 13366 Group Count (?) 0 17251 00000 00000 03963 31755 02351 00000 27525
Link ID 00024 Msg Number 002 Msg Type 07136 Group Count (?) 241 32768 53314 02048 12831 05174 32905 16608 28789
Link ID 20772 Msg Number 045 Msg Type 04800 Group Count (?) 240 00000 37005 08227 60542 47229 02066 35024 57835
Link ID 41018 Msg Number 022 Msg Type 07017 Group Count (?) 240 32768 49350 39001 30271 21686 33929 17632 28917
Link ID 41050 Msg Number 022 Msg Type 07145 Group Count (?) 245 32768 53446 39001 29247 21686 33929 17632 28919
Link ID 00026 Msg Number 018 Msg Type 06633 Group Count (?) 229 32768 04294 02128 29247 21686 33929 17632 28917
Link ID 32794 Msg Number 022 Msg Type 07145 Group Count (?) 245 32768 53446 02137 12863 21686 33929 17632 28916

16320 kHz, 17-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 16644 Msg Number 004 Msg Type 03352 Group Count (?) 157 22561 18290 52777 28716 61629 28159 31837 43816
Link ID 33134 Msg Number 210 Msg Type 01714 Group Count (?) 6 00036 12338 52770 19650 03568 49287 11020 18816
Link ID 02429 Msg Number 026 Msg Type 45390 Group Count (?) 250 63736 00000 29984 00249 22917 11794 00360 03003
Link ID 00058 Msg Number 027 Msg Type 07145 Group Count (?) 245 32768 40299 11723 04527 21586 35552 09376 17664

14880 kHz, 17-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 17378 Msg Number 088 Msg Type 32769 Group Count (?) 14 11024 00000 41554 01712 03584 56704 56320 36537

14880 kHz, 17-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 13362 Msg Number 000 Msg Type 13426 Group Count (?) 0 16384 00000 00000 00796 15371 03468 00000 14382
Link ID 08440 Msg Number 116 Msg Type 58073 Group Count (?) 7 24063 03974 24584 35945 13509 21329 17939 44702
Link ID 15062 Msg Number 129 Msg Type 04237 Group Count (?) 16 01948 49497 30560 18438 15370 50833 57358 45193
Link ID 59946 Msg Number 035 Msg Type 16410 Group Count (?) 80 27213 05392 30541 12407 25065 11323 24601 53481
Link ID 32826 Msg Number 032 Msg Type 03049 Group Count (?) 117 00016 54736 01625 12773 21686 33700 49021 09035

10642 kHz, 17-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 46134 Msg Number 099 Msg Type 13366 Group Count (?) 54 17251 25443 13872 60430 13327 00028 00960 36464
Link ID 04110 Msg Number 146 Msg Type 40944 Group Count (?) 134 40950 00000 32896 00627 03159 52543 02431 15086
Link ID 40974 Msg Number 066 Msg Type 04601 Group Count (?) 4 07836 00000 00128 00627 02455 35695 00895 13516
Link ID 00000 Msg Number 000 Msg Type 00000 Group Count (?) 0 00000 00000 00003 02814 00008 00000 04096 45831
Link ID 28680 Msg Number 120 Msg Type 04916 Group Count (?) 2 03918 00008 32784 01726 15146 34763 02042 64905
Link ID 40988 Msg Number 052 Msg Type 01021 Group Count (?) 4 03804 00016 00000 03156 06401 17007 00639 21710
Link ID 61468 Msg Number 052 Msg Type 08187 Group Count (?) 148 40604 04112 33024 03318 06552 35616 00829 29897
Link ID 61464 Msg Number 060 Msg Type 46841 Group Count (?) 141 48221 02048 04368 03262 15282 36811 06143 64971
Link ID 61470 Msg Number 048 Msg Type 06005 Group Count (?) 12 08094 00008 32896 03666 06529 43877 01021 13504
Link ID 61500 Msg Number 254 Msg Type 07163 Group Count (?) 4 07836 00001 00400 03831 07950 53193 01663 63881
Link ID 40988 Msg Number 052 Msg Type 15353 Group Count (?) 4 32412 04096 00000 03287 07583 36847 02559 32462
Link ID 61468 Msg Number 052 Msg Type 07115 Group Count (?) 0 07838 00017 00000 03284 06645 35829 00895 29892

16320 kHz, 21-03, 0150 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 13366 Msg Number 000 Msg Type 13430 Group Count (?) 0 00000 00000 00000 03213 00376 00000 00000 57036
Link ID 41018 Msg Number 047 Msg Type 07145 Group Count (?) 245 32768 27399 30937 63501 21686 36728 42516 30819
Link ID 41018 Msg Number 047 Msg Type 08169 Group Count (?) 245 32768 31495 22751 30735 62646 36728 42644 30819
Link ID 38991 Msg Number 180 Msg Type 29379 Group Count (?) 31 07385 04097 29175 15347 23114 43844 60819 06824
Link ID 61498 Msg Number 047 Msg Type 07145 Group Count (?) 245 32768 27407 63707 63501 32246 36856 44804 31043
Link ID 41018 Msg Number 047 Msg Type 07145 Group Count (?) 245 32768 27399 22747 30733 24063 36856 61236 31203

14880 kHz, 21-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

Link ID 41022 Msg Number 047 Msg Type 01001 Group Count (?) 69 00000 27399 22747 30733 21686 36720 36368 30819

16320 kHz, 24-03, 0150 UTC, FSK 200/1000: Russian diplo/intel. Complete message: see below

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13366 | Msg Number 000 | Msg Type 13366 | Group Count (?) 0 | 16384 | 00000 | 00000 | 01852 | 15435 | 36300 | 00000 | 15406 |
| Link ID 41018 | Msg Number 052 | Msg Type 06624 | Group Count (?) 240 | 32768 | 19965 | 15829 | 22265 | 21759 | 33464 | 15610 | 58363 |
| Link ID 41018 | Msg Number 052 | Msg Type 39913 | Group Count (?) 245 | 49152 | 21748 | 15829 | 24313 | 21558 | 33320 | 15578 | 57435 |
| Link ID 41022 | Msg Number 060 | Msg Type 07144 | Group Count (?) 253 | 32768 | 22004 | 64991 | 63227 | 62518 | 33288 | 15579 | 57947 |
| Link ID 34524 | Msg Number 240 | Msg Type 02244 | Group Count (?) 228 | 63354 | 41624 | 20880 | 27848 | 13201 | 35321 | 33551 | 12046 |
| Link ID 41082 | Msg Number 052 | Msg Type 07145 | Group Count (?) 245 | 32768 | 22004 | 16337 | 22264 | 41563 | 49556 | 05732 | 12708 |

14880 kHz, 24-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13366 | Msg Number 099 | Msg Type 12342 | Group Count (?) 50 | 16739 | 17216 | 13876 | 02143 | 15371 | 16697 | 14273 | 55777 |
| Link ID 13366 | Msg Number 099 | Msg Type 13366 | Group Count (?) 54 | 17251 | 25408 | 13876 | 02143 | 15371 | 16697 | 14273 | 55777 |
| Link ID 41018 | Msg Number 165 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03337 | 61980 | 29972 | 21686 | 03349 | 17577 | 23528 |
| Link ID 40986 | Msg Number 160 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03337 | 61976 | 29952 | 01206 | 03349 | 17577 | 23528 |
| Link ID 41018 | Msg Number 165 | Msg Type 07137 | Group Count (?) 245 | 32768 | 03337 | 61980 | 29972 | 21686 | 03349 | 17577 | 23528 |
| Link ID 20521 | Msg Number 110 | Msg Type 01720 | Group Count (?) 8 | 27753 | 00000 | 59552 | 02621 | 51427 | 06776 | 01012 | 29441 |
| Link ID 41016 | Msg Number 164 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03337 | 61964 | 29972 | 21750 | 03349 | 17577 | 19424 |
| Link ID 41018 | Msg Number 165 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03337 | 61980 | 29972 | 20610 | 01024 | 16520 | 04200 |
| Link ID 32768 | Msg Number 128 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03328 | 61440 | 08192 | 01206 | 03351 | 01195 | 07145 |
| Link ID 41086 | Msg Number 239 | Msg Type 07145 | Group Count (?) 245 | 32768 | 03337 | 63036 | 32564 | 21758 | 03391 | 17915 | 23529 |

16320 kHz, 25-03, 0150 UTC, FSK 200/1000: Russian diplo/intel. Complete message: see below

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 00184 | Msg Number 057 | Msg Type 07145 | Group Count (?) 245 | 32768 | 20823 | 60277 | 10232 | 04278 | 01059 | 27987 | 00497 |
| Link ID 17981 | Msg Number 065 | Msg Type 52541 | Group Count (?) 169 | 14101 | 64614 | 03213 | 03886 | 62904 | 52275 | 00575 | 08128 |
| Link ID 62783 | Msg Number 123 | Msg Type 06649 | Group Count (?) 151 | 00064 | 02039 | 60415 | 26620 | 62646 | 37921 | 64849 | 49648 |
| Link ID 41266 | Msg Number 049 | Msg Type 39913 | Group Count (?) 247 | 32784 | 21975 | 64373 | 25516 | 22239 | 34448 | 65384 | 18936 |
| Link ID 41018 | Msg Number 041 | Msg Type 03049 | Group Count (?) 245 | 32768 | 21847 | 59765 | 09148 | 30463 | 50865 | 32633 | 43504 |

14880 kHz, 25-03, 0230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13366 | Msg Number 096 | Msg Type 12342 | Group Count (?) 0 | 17248 | 00000 | 00000 | 01915 | 13377 | 00015 | 00000 | 08448 |
| Link ID 01078 | Msg Number 096 | Msg Type 13362 | Group Count (?) 0 | 17184 | 00000 | 00000 | 01915 | 15369 | 02319 | 00000 | 11141 |
| Link ID 41018 | Msg Number 056 | Msg Type 07161 | Group Count (?) 244 | 32768 | 21847 | 59764 | 09148 | 04338 | 00688 | 32592 | 02552 |
| Link ID 59614 | Msg Number 046 | Msg Type 05002 | Group Count (?) 109 | 12203 | 32273 | 38415 | 41176 | 32900 | 13802 | 50336 | 03907 |
| Link ID 40984 | Msg Number 048 | Msg Type 07145 | Group Count (?) 117 | 32768 | 21847 | 52016 | 00284 | 21686 | 33825 | 64848 | 16880 |
| Link ID 41018 | Msg Number 057 | Msg Type 07147 | Group Count (?) 245 | 32768 | 54775 | 60273 | 09148 | 21690 | 33824 | 64768 | 16880 |
| Link ID 24633 | Msg Number 071 | Msg Type 00064 | Group Count (?) 15 | 12302 | 00068 | 49420 | 27372 | 45291 | 24096 | 00083 | 30091 |
| Link ID 00032 | Msg Number 000 | Msg Type 03201 | Group Count (?) 0 | 00000 | 00000 | 00000 | 00065 | 03568 | 00000 | 00000 | 18271 |
| Link ID 18237 | Msg Number 065 | Msg Type 60733 | Group Count (?) 137 | 13077 | 31846 | 07325 | 20270 | 57520 | 51249 | 37439 | 08128 |

10642 kHz, 24-03, 2230 UTC, FSK 200/1000: Russian diplo/intel.

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 13366 | Msg Number 099 | Msg Type 46647 | Group Count (?) 63 | 58355 | 32896 | 13824 | 00933 | 15371 | 16696 | 02606 | 25951 |
| Link ID 13366 | Msg Number 099 | Msg Type 13367 | Group Count (?) 54 | 00999 | 00000 | 13834 | 00943 | 48781 | 57660 | 03999 | 30471 |
| Link ID 13366 | Msg Number 097 | Msg Type 05174 | Group Count (?) 54 | 00867 | 00000 | 30208 | 00800 | 07177 | 00024 | 02054 | 08455 |
| Link ID 13951 | Msg Number 239 | Msg Type 62518 | Group Count (?) 254 | 62435 | 08192 | 16152 | 02047 | 30721 | 33066 | 01100 | 55839 |
| Link ID 65535 | Msg Number 255 | Msg Type 15999 | Group Count (?) 63 | 26607 | 49407 | 65535 | 65535 | 65535 | 65535 | 65535 | 65535 |
| Link ID 29726 | Msg Number 099 | Msg Type 13366 | Group Count (?) 0 | 17251 | 00000 | 00016 | 00206 | 15375 | 49979 | 00000 | 17406 |
| Link ID 31798 | Msg Number 099 | Msg Type 13366 | Group Count (?) 0 | 00871 | 00000 | 00000 | 02254 | 31747 | 50042 | 00016 | 55044 |
| Link ID 15999 | Msg Number 247 | Msg Type 13879 | Group Count (?) 8 | 17395 | 00000 | 02553 | 03326 | 31759 | 50043 | 00017 | 55295 |
| Link ID 29750 | Msg Number 099 | Msg Type 64638 | Group Count (?) 0 | 59239 | 00000 | 00000 | 02254 | 15371 | 16697 | 00000 | 16559 |
| Link ID 32382 | Msg Number 231 | Msg Type 12342 | Group Count (?) 0 | 17251 | 00000 | 02329 | 00206 | 26631 | 33378 | 00017 | 38485 |
| Link ID 13366 | Msg Number 099 | Msg Type 13366 | Group Count (?) 0 | 17251 | 00000 | 00000 | 02254 | 15367 | 57663 | 00015 | 25519 |
| Link ID 61599 | Msg Number 183 | Msg Type 07145 | Group Count (?) 137 | 55173 | 10633 | 65535 | 16335 | 64573 | 61343 | 60367 | 63228 |

16320 kHz, 27-03, 0150 UTC, FSK 200/1000: Russian diplo/intel. Complete message: see below

| | | | | | | | | | | | |
|---------------|----------------|----------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Link ID 57700 | Msg Number 151 | Msg Type 07149 | Group Count (?) 245 | 32771 | 04047 | 46533 | 60540 | 47231 | 01775 | 07135 | 02823 |
| Link ID 41022 | Msg Number 087 | Msg Type 07145 | Group Count (?) 245 | 32768 | 04039 | 39407 | 27262 | 62646 | 33791 | 01391 | 36233 |
| Link ID 41018 | Msg Number 065 | Msg Type 05065 | Group Count (?) 245 | 32769 | 04039 | 51944 | 28190 | 05367 | 01023 | 03967 | 36684 |
| Link ID 41002 | Msg Number 003 | Msg Type 07145 | Group Count (?) 244 | 32769 | 04039 | 37098 | 24702 | 05286 | 01023 | 01323 | 35981 |
| Link ID 32830 | Msg Number 067 | Msg Type 07145 | Group Count (?) 245 | 32777 | 04067 | 39658 | 28286 | 21686 | 33790 | 01387 | 36233 |

7d,12,b0,e7,04,2a,06,cb,ba,c3,0b,cb,7b,41,b7,89,2f,91,5e,16,17,0e,a0,48,69,e5,9b,c9,74,91,49,8b,de,fe,3f,f8
Block No 34
7d,92,b0,e6,04,4d,58,e6,54,02,84,41,2d,82,e2,92,de,9d,da,43,c1,d1,76,b6,48,80,19,32,bc,87,13,16,af,3d,4b,ce

Block No 1 : Link ID 41018 : 24th of month : Msg Number 052 : Msg Type 39913 : Group Count (?) 245
49152 21748 15829 24313 21558 33320 15578 57435
7d,12,b0,e6,00,3b,9c,f5,b0,54,e0,ef,90,54,af,35,00,de,33,df,a4,59,58,3e,42,c0,32,d5,68,ab,c0,1f,93,84,1f,f6
Block No 5
7d,12,b0,e6,00,aa,8c,aa,a8,3f,9e,60,fe,c0,f2,f4,29,3b,e0,6c,fe,e3,be,f6,00,38,00,00,df,02,79,b4,fd,67,4a,8f
Block No 7
7d,12,b1,e6,00,ff,11,52,c8,62,db,2c,cf,f9,81,04,ca,01,42,66,20,20,1a,26,03,e4,63,40,3b,12,2d,5e,2d,bb,88,4f
Block No 9
7d,12,f0,e6,01,2f,9f,ff,8f,c7,cf,7b,ce,28,87,56,62,14,5f,9c,c0,08,18,97,39,17,8a,80,8d,ff,fe,77,cf,43,d7,8f
Block No 15
7d,12,b0,e6,01,e7,f7,fa,97,67,11,2f,c5,f7,c9,7f,7e,a1,e0,c0,32,23,04,02,eb,5e,53,70,12,24,6e,4b,a9,ff,86,ba
Block No 11
7d,12,b0,e6,01,70,01,01,3c,07,d9,ff,d0,90,5c,41,ef,c0,df,b7,72,dd,65,c9,53,8e,fa,67,03,1f,0c,36,0a,71,c3,48
Block No 27
7d,12,b0,e7,03,7d,7b,7c,eb,be,37,bf,ff,f3,b3,60,ff,dd,7e,ed,4b,e9,4d,84,c3,5b,75,3e,26,4e,88,c9,a1,4d,0e,7f
Block No 21
7d,12,b0,66,02,b4,3f,b9,91,9c,b9,fe,4c,93,93,73,d6,3d,99,7c,37,02,3c,e1,42,7c,e7,4e,78,41,ef,53,67,74,d8,9c
Block No 22
7d,12,b0,e6,02,d2,10,60,70,00,10,8f,be,40,1c,83,e1,8f,85,a7,7c,c9,e9,b3,5b,40,a8,a3,62,6b,ff,80,78,20,b4,0c
Block No 8
7d,12,b0,66,01,0d,5a,e4,33,cc,40,15,cd,d6,00,61,b1,8d,0c,fa,c5,e1,fd,7e,ed,97,ab,93,da,80,50,0c,83,f3,c3,f9
Block No 28
7d,12,b1,e6,03,80,04,71,96,eb,7f,c0,cd,bc,41,83,99,a7,9f,a2,b4,ec,a5,3b,df,7e,df,ff,f6,7a,5c,20,a9,ff,30,ac
Block No 34
fd,12,b0,e6,04,4d,58,e6,d4,02,84,41,2f,a2,e2,92,de,bd,da,41,41,55,76,b6,49,82,19,32,bd,8f,f3,17,ff,7d,4b,cf
Block No 35
7d,12,b0,e6,04,7e,c6,20,79,d8,fa,70,13,f0,70,10,36,d0,55,48,3f,07,7e,06,10,12,25,da,d3,45,f2,1f,2e,e6,f7,13
Block No 3
7d,12,b0,e6,00,7f,11,f2,c8,63,ff,be,e6,78,81,04,ca,40,42,67,e8,a0,1a,26,03,a4,63,47,7f,36,7f,1c,09,33,e9,4f
Block No 12
7d,12,b0,e6,01,8f,43,81,ff,65,2b,31,a8,78,ff,f7,14,00,70,00,18,23,f8,90,45,95,fb,24,f7,08,cf,8f,ff,df,f0,30
Block No 14
7d,12,b0,e6,01,d8,07,3f,9b,12,bc,0f,f3,87,20,74,fc,30,60,c0,4f,f3,f8,ff,fc,75,ff,ff,ff,26,fc,ba,ed,df,df,43
Block No 20
7d,12,b0,e4,02,87,a2,2e,e1,92,1d,90,0f,78,30,67,1e,ff,0f,aa,b2,47,71,89,f7,13,9b,56,2f,7d,c1,7f,cc,fc,e9,19
Block No 23
7d,12,b0,e6,02,e3,d7,d4,f6,cc,f3,f8,e7,77,c4,32,42,23,d0,0b,99,7c,cf,ef,8f,78,ce,06,a0,b2,b6,9e,c7,7f,4e,8e
Block No 25
7d,12,b0,e6,03,3b,16,ff,fd,0b,32,be,3f,fe,f8,a0,0c,65,80,50,20,8f,0f,03,ed,f2,5c,eb,9c,16,bf,a3,81,f7,38,04
Block No 31
fd,12,b0,e6,03,fe,ad,72,19,e6,80,0a,e6,e9,84,2a,b5,8d,0c,ea,c5,e1,f5,7e,ed,87,a9,93,de,bf,fa,4e,c3,f3,c7,f9
Block No 26
7d,12,b0,e6,03,44,9e,2e,2c,6a,dc,d1,d3,a5,7e,c3,73,ed,d1,af,8f,01,bf,fc,7f,3c,19,1e,fd,fb,e2,0f,c3,ef,ff,7f
Block No 34
7d,12,b0,66,04,4d,58,e6,54,02,84,41,2d,a2,60,82,de,9d,da,43,c1,55,22,b6,5b,86,32,65,78,02,a6,2d,5e,7f,97,9e

Block No 0 : Total Message Size 33 blocks : This transmission contains one message.
7d,12,b0,e6,00,00,00,00,40,00,00,00,18,00,00,00,00,04,20,05,00,01,00,04,d0,07,f0,0d,00,0f,90,08,b0,06,20,0c

Block No 1 : Link ID 41022 : Corrupt Date : Msg Number 060 : Msg Type 07144 : Group Count (?) 253
32768 22004 64991 63227 62518 33288 15579 57947
5d,12,b0,e6,00,33,18,f5,b0,d5,e0,ef,80,54,af,ff,01,d6,33,df,ec,fb,f8,3e,42,c2,30,d5,68,bb,fc,3f,b7,07,df,d2
Block No 2
7d,12,b0,e6,00,55,a3,6a,de,44,fb,6d,5f,53,ea,f2,86,e3,83,ff,9e,c9,15,bb,25,88,0c,dc,1e,c7,bb,03,96,54,86,2d
Block No 3
7d,12,b0,e6,00,66,7b,f8,74,5b,13,f9,3e,64,ac,b2,08,02,29,bc,3f,bf,ff,6d,02,d1,9d,e0,fe,0c,77,8b,41,c9,2a,81
Block No 7
7d,12,b0,e6,00,ee,ff,dd,e3,f3,3f,7f,df,f8,60,30,fe,fe,7f,e0,b0,ae,41,f0,31,c4,af,67,d5,a0,02,50,f7,e4,3a,be

Block No 31

3d,12,b0,e6,03,fd,ff,fd,f0,7f,ee,06,f9,46,5c,08,15,88,cf,5e,9c,74,eb,d1,3c,13,02,d6,7d,bb,70,44,a7,6b,bf,f6

Block No 16

7d,12,b0,e6,02,1e,00,00,40,00,80,00,10,00,00,00,08,14,20,00,00,03,00,04,d0,07,60,0d,00,0f,90,08,b0,06,20,0c

Block No 18

3d,12,b0,e6,02,4d,2f,fc,b9,44,cd,c2,81,0c,2f,13,e2,34,55,ac,10,21,36,f2,25,99,87,96,41,40,cc,7b,49,ca,f9,5e

Block No 19

7d,12,f0,e6,02,78,72,7f,df,bc,7f,2d,df,e3,20,00,ee,90,24,da,97,d2,9b,09,84,b6,ea,7c,4c,9d,11,93,42,9a,1d,f7

Block No 0 : Total Message Size 4 blocks : This transmission contains 6 messages.

7d,12,b0,e2,00,00,ec,60,07,d8,7e,e9,6b,33,2a,68,7e,5b,03,c0,b5,7b,3c,d0,08,27,61,cf,fc,60,bf,ff,ba,45,d2,5b

Block No 27

7d,12,b0,e6,03,6e,f3,ff,9c,04,69,3c,d9,f1,ff,83,f9,81,1c,c4,28,61,b2,7a,56,d8,1d,49,5e,6e,0b,45,d9,f8,5c,ea

Block No 31

7d,12,b0,e4,03,ff,c3,39,7e,94,22,20,40,9f,cd,e0,51,a9,9c,d1,60,eb,54,84,00,83,35,ab,a7,20,1e,e9,c9,15,d8,98

Block No 33

7d,12,b0,e6,04,28,00,00,40,00,80,00,10,04,00,00,00,06,70,07,00,03,00,04,b8,07,e0,05,00,0f,90,08,b0,06,20,0c

Block No 33

7d,12,f0,e6,04,2b,97,cb,ba,c7,0b,cb,7b,41,ff,9f,3f,95,fe,70,17,0e,a0,48,69,a5,9b,c9,70,91,08,00,c2,5a,1c,58

Block No 66

7d,12,b0,e6,08,4d,58,e6,5e,43,04,45,3f,f3,71,49,6f,4e,ed,21,e0,aa,bb,5b,b6,e0,00,18,0e,03,ad,8b,57,9e,b5,ef

Block No 4

7d,12,b0,e6,00,80,0c,8a,a8,3e,94,c1,7d,81,e5,e8,d2,75,c1,91,69,c7,59,e8,15,f4,45,57,fe,0c,f3,79,ff,df,bf,3e

Block No 9

7d,12,b0,e6,01,27,9f,ff,87,00,87,fb,ce,79,8e,ac,c4,29,bf,3d,80,10,71,24,32,2f,15,00,19,7a,ec,66,9a,87,af,1e

Block No 13

7d,12,b0,e6,01,bc,b2,c0,c0,1d,e7,83,f8,a1,06,04,0a,c4,67,af,4e,3e,77,f0,1e,0f,b3,ff,7f,ff,f8,22,53,b5,5b,d9

Block No 16

7d,12,f0,e6,02,1e,00,00,f8,01,80,00,00,00,00,00,04,20,05,00,03,00,04,40,07,60,0f,80,0f,d8,0c,d8,03,10,4e

Block No 19

7d,12,b0,e6,02,78,72,7d,d3,3c,6b,7d,d5,e3,22,40,ff,99,e4,da,97,d2,9b,09,84,b6,ea,7c,4c,99,11,93,42,82,1d,f7

Block No 20

7d,12,b0,e6,02,87,22,2e,e1,92,1d,b4,af,78,30,67,1e,ff,0f,a2,b2,47,71,89,fb,1b,9b,52,a3,7d,c1,9f,db,fd,e9,99

Block No 2

7d,12,b0,e6,00,42,b4,e4,fd,bf,3f,df,9d,f1,3d,87,e5,8b,85,a7,7c,c9,f9,f3,5b,40,a8,a3,62,79,de,00,18,3f,b1,e

Block No 28

7d,12,b0,e2,03,93,78,10,34,80,dc,68,fd,67,cf,c5,4d,3a,df,e3,fb,8e,0b,b8,03,fc,f3,ff,ef,6f,7f,fc,ff,9f,1e,be

Block No 31

7f,12,b0,e6,03,e6,69,71,96,ea,8e,c0,cd,b8,41,81,99,a7,9f,a2,b4,ec,a5,3b,d7,2a,45,5b,fb,3d,2e,9c,f4,fb,10,16

Block No 30

7d,12,b0,e6,03,c4,9a,6e,2c,6a,dc,d9,d3,85,7e,c3,73,c0,03,ad,8d,01,2b,54,7e,14,09,0e,7c,ed,f6,05,41,66,e8,3b

Block No 31

7d,12,b0,e6,03,f7,c3,bd,7e,94,22,ea,f1,95,4d,40,51,a9,9c,d1,64,eb,44,84,01,df,35,ab,b7,33,5e,88,c9,15,d8,98

Block No 33

7d,12,b0,e6,04,2b,96,cb,ba,c7,0b,cb,7b,41,b7,00,2f,95,fe,32,17,0e,a0,48,69,a5,9b,c9,70,91,eb,df,ce,fe,3e,d0

Block No 51

7d,12,b0,e6,06,7f,c7,30,78,e8,7c,38,09,f8,38,98,1b,28,2a,a4,0f,81,9f,01,38,09,01,ff,d9,a2,f9,0f,bf,f3,46,11

Block No 0 : Total Message Size 5 blocks : This transmission contains one message.

7d,12,b0,e6,00,04,00,00,00,00,80,40,10,00,10,00,00,04,20,01,00,03,00,00,00,03,70,0f,80,0f,90,08,b0,06,20,0c

Block No 1025

7d,12,b0,e6,80,33,18,f5,b0,55,e0,ef,90,54,af,34,00,c2,11,ff,f6,7d,ac,06,21,61,59,6b,b4,d5,ee,0f,c9,c7,ff,ff

Block No 6

fd,12,b0,e6,00,cc,db,99,c3,e2,2a,7d,9f,74,e1,60,dc,ec,46,00,61,fc,c3,e0,21,89,74,8f,2b,40,44,80,4f,c8,75,7c

Block No 7

fd,12,b0,e6,00,ff,11,73,c8,63,ff,7d,c4,78,83,04,42,53,c6,ef,e8,a0,0e,16,03,a4,6b,e7,9f,90,2d,5e,0c,3a,09,4f

Block No 8

7d,12,a0,e6,01,16,3d,9d,ab,ef,c3,a6,a1,ff,c7,a4,65,ff,fe,65,e3,e3,ff,8e,40,64,ff,01,d2,3e,42,fa,20,16,6a,cb

Block No 1 : Link ID 34524 : Corrupt Date : Msg Number 240 : Msg Type 02244 : Group Count (?) 228

63354 41624 20880 27848 13201 35321 33551 12046

7d,12,b0,e6,00,20,0f,ea,87,42,c7,f9,4a,28,87,56,62,1c,df,9c,c0,08,38,82,39,3f,9f,00,19,fe,ec,66,9a,87,af,1e

3d,12,b0,e6,03,f0,00,02,70,06,33,ff,e2,61,71,07,2e,0e,36,dd,cb,75,97,25,eb,1f,fd,de,0c,74,31,28,14,e3,8e,91
Block No 24
7d,12,b0,e6,03,1e,00,00,40,00,80,00,10,00,00,00,00,00,20,05,01,03,00,04,d0,4f,e0,0d,00,00,10,08,f8,06,20,0c
Block No 27
7d,12,b0,e7,03,7c,f6,ff,f7,7c,7f,24,ff,e7,66,40,ee,99,e4,da,97,d2,9b,09,84,b6,ea,7c,dc,9d,11,93,42,9a,1d,f7
Block No 28
7d,12,b0,e6,03,87,a2,2e,40,96,3f,fc,ef,78,30,ef,1d,fe,1f,45,64,8f,f3,9b,f7,e7,3f,ef,7e,fb,83,ff,dd,fd,f3,32
Block No 23
7d,12,b0,e6,02,e1,d7,d4,f7,dd,f3,f9,a5,77,c4,32,40,01,90,8f,bf,fd,df,ff,8f,f9,de,07,80,b2,b6,9e,c7,40,4e,8a
Block No 30
7d,12,b0,e6,03,c4,9e,2e,2c,6a,dc,c8,53,a5,fe,c3,73,cb,a3,ad,8d,01,2b,54,7e,14,09,0e,7c,e9,f6,05,41,e5,e7,3f
Block No 0 : Total Message Size 5 blocks : This transmission contains one message.
7c,12,b0,e6,00,18,20,00,00,00,80,00,18,00,80,00,00,06,20,05,00,03,00,04,c0,07,f0,0d,00,0b,90,00,70,06,20,0c
Block No 34
7d,12,b0,e6,04,4f,78,e6,5c,07,8c,c3,7d,02,e2,92,de,9d,da,43,c1,55,36,bf,4a,23,19,32,bc,87,53,16,af,1d,4b,cf



XP family

13538 kHz, 02-03, 1540 UTC, XPA2

06099 00001 00000 10140

10257 kHz, 06-03, 2030 UTC, XPA2

04875 00022 44582 20856 61100 00478 65132 34243 07170 14212
64062 15152 55204 72257 77325 70287 47351 25400 72616 45132
82524 81603 12167 72571 134

11409 kHz, 08-03, 0700 UTC, XPA

456 456 456 000 456 456 456 000 456 456 456 000
07617 00001 00000 10140

8062 kHz, 11-03, 1920 UTC / 8062 kHz, 13-03, 1920 UTC / 7462 kHz, 13-03, 1940 UTC, XPA

RYYRYRY 304 1 304 1 304 1 4444444444
01425 00261 43653 32188 27617 61289 99719 60216 88841 09104
41997 27021 19248 18283 65503 11825 50418 86359 24208 14471
81946 67947 75161 99616 44883 61901 75879 04299 82099 95130
13999 43974 79030 89574 22761 39951 47135 20881 37750 71698
71312 22666 07307 63459 44365 49603 50568 81215 25681 55110
57931 83428 31082 02407 15352 79112 57193 51124 15334 28191
38405 00658 97420 78759

51499 20029 74216 82531 22600 38956 85642 26296 48929 47669
78666 54270 52607 21874 55095 28280 04019 00676 32002 47803
62182 29529 34092 07037 62698 90375 05837 18565 41046 44707
20818 38204 08547 86684 39816 25107 68823 55189 89050 83151
57314 05131 98383 80592 06971 84610 66156 62914 75994 81012
84185 46282 43691 69202 73676 48749 93891 69446 33826 73965
91901 10303 07378 38486

48023 67193 83300 00761 26642 08263 88824 19309 08341 37237
91703 55044 37272 66988 44458 66593 6823? 54290 79627 60834
84623 43039 46176 27698 64841 21105 46067 33014 80818 56395
66678 51981 2238? 51216 58711 64906 09338 37497 95714 22202
18290 44915 08225 97493 15510 45795 63915 06912 50727 29095
68236 13492 21396 31291 53682 07092 78325 68152 76986 81473
35172 26486 06608

15608 07815 27675 84581 43162 37255 99368 09346 86061 75494
12304 74351 04713 52046 89416 05662 60385 27403 47131 63483
98401 13983 13837 01073 61731 86192 06837 51936 79390 25432
72230 06418 79390 43403 06097 68916 97244 55543 67477 07084
75214 64628 11815 21046 63908 25779 19874 40302 15518 49534
36636 90826 38226 98070 03975 59496 76080 04767 25236 68339
59202 50784 60547 85958 29954 93196 20218 47645 36528 07835
End of message

10250 kHz, 12-03, 1633 UTC / 10256 kHz, 12-03, 1638 UTC, XPA2

01430 00020 14083 48547 30163 62310 27141 36206 12601 32778
71164 72734 20257 33568 65475 03150 43521 05482 18753 10126
06071 15303 02456

10250 kHz, 12-03, 1721 UTC / 10256 kHz, 12-03, 1727 UTC, / 10250 kHz, 12-03, 1631 UTC, XPA2

06336 00023 74384 57883 31852 46104 17652 38107 04161 63327
58501 06555 62231 06760 56702 78145 03817 21531 63541 71741
85511 80473 05105 23147 71343 45623

10256 kHz, 13-03, 2015 UTC / 10250 kHz, 13-03, 2020 UTC, XPA2

04967 00038 62784 47126 81803 72410 08640 70480 63432 07164
20250 13135 55154 75286 43120 55572 80657 05037 47023 01874
44200 88054 46306 58564 14802 52778 47737 36648 15482 63057
15122 85273 50158 68012 71073 58864 11207 86408 74712 03885
70117 00000 00000

09559 00048 70147 04847 37323 66088 35176 06043 87613 82375
28422 71447 55064 27376 24317 50284 42135 40747 82466 26860
07612 75346 68503 34610 18787 08634 70574 54007 76370 06423
70758 00622 78807 52746 73531 35077 34305 72873 57670 87304
67844 33434 38747 24730 33811 86722 51831 44852 37430 58286
21222

8062 kHz, 13-03, 1920 UTC, XPA.

RYYRY

304 304 304 1 304 304 304 1 304 304 304 1
4444444444

01425 00261 43653 32188 27616 61289 99719 60216 88841 19104
41997 27021 19248 18283 65503 11825 50419 86359 24208 14471
81956 67947 75161 99616 44883 61901 75889 04299 82099 95130
13999 43974 79030 89574 22761 39951 47135 20881 37750 71698
71312 22666 07307 63459 44365 49603 51568 71215 25681 55110
57931 83428 31082 02407 15352 79112 57193 55525 15334 28191
38405 00658 97420 78759

51499 20629 75216 82531 22600 38956 95642 26296 48929 47669
78666 54270 52607 21874 55095 28280 04019 70676 32002 47803
62182 29529 34092 07037 62698 90375 05837 18565 41046 44707
20818 38204 08547 86684 39816 25107 68823 55189 89050 83151
57314 05131 98383 80592 06971 84610 66156 62914 75994 81012
84185 46282 43691 69202 73676 48749 93891 69446 33826 73965
91901 10303 07378 38486

46226 48023 67193 88830 00761 26642 08263 88824 19309 08341
37237 91703 55044 37272 66988 84458 66593 68233 54290 79627
60834 84623 43039 46176 27698 64841 21605 46067 43014 80818
56395 66678 51981 22388 51216 58711 64906 09338 37496 95714
29902 18290 44915 08925 97493 15510 45795 63915 06912 50727
29095 69236 13492 21396 31291 53682 07092 78325 68152 76986
81473 35172 26488 06708

15608 07815 27675 84581 43162 37254 99368 09346 86061 75494
12304 74351 04713 52046 89416 05662 60375 27403 47131 63483
98401 13983 13837 01073 61731 86192 06837 50936 02071 79390
25432 72230 06418 79390 43403 06097 68916 98244 55543 67427
07094 75214 64628 61815 21046 63908 25779 19874 40302 15518
49534 36636 90827 38226 98070 03975 59496 76080 04767 25236
68339 59202 50784 60547 85958 29954 93196 20218 47645 36528
07835 67115

18667 kHz, 15-03, 1400 UTC / 17419 kHz, 15-03, 1420 UTC / 16212 kHz, 15-03, 1440 UTC, XPA2

00553 00101 42383 02920 24959 57578 74959 67254 70547 11261
84998 88760 25647 79431 11229 13524 39473 56055 08659 79478
96298 41443 45210 99771 17328 38599 37630 00058 46569 28107
12823 28350 25739 42965 43462 42276 64145 58116 65691 06787
00831 01274 99153 11472 97650 35266 77608 86392 09848 98815
60769 63025 33847 83942 89172 93200 79181 37068 49463 80937
72651 75275 40102 59951 05405 65795 76468 80294 37081 50985
96808 84727 17985 54688 10369 48834 98830 51340 92338 39509
28863 42119 63900 40964 32087 51861 40859 05921 08487 42289
22987 48640 47722 23380 73657 04383 55436 27501 59328 65075
72384 28731 11891 65347

16138 kHz, 16-03, 1500 UTC / 13438 kHz, 16-03, 1540 UTC, XPA2

3323 78 56061 03387 68747 26005 33507 23672 03061 08637 66163
23226 11084 33422 47657 42278 3111 67248 26100 61767 03668 00250
83037 07430 18108 4333 74003 13600 35077 71478 07888 78603 68003
20663 32031 35576 02007 80441 00882 81037 40306 82600 37577 43103
46653 55757 66666 22787 68733 08633 87134 23177 24061 36606 83338
45047 77454 75405 44162 61138 55477 00156 37683 77577 51147 54084
985004 04652 30677 84826 0756555134740075 1162 0114 00574 11862
03857 47600 1114 53565 44547 33385 53272 32555 48006 13503 96582
70000 31884 37601 41711 End Tone

13790 kHz, 18-03, 1010 UTC: XPA Test

7462 kHz, 20-03, 1940 UTC, XPA

304 304 304 00000 03049 00001 00000

18741/17441 kHz, 21-03, 0820/0840 UTC, XPA2

07931 00001 00000 10140

18667/17419/15212 kHz, 21-03, 1400.1420/1440 UTC, XPA2

06460 00001 00000 10140

XM

4304 kHz, 03-3, 2130 UTC

6462.5 kHz, 12-3, 1730 UTC

20030 kHz, 18-3, 1450 UTC

20030 kHz, 25-3, 1310 UTC



North Korean diplomatic stations

22450 kHz, 22-3, 1510 kHz, DPRK-ARQ 600/600
20450 kHz, 22-3, 1522 kHz, DPRK-ARQ 600/600

North Korean Embassy, probably Havana
North Korean Embassy, Southern Europe/North Africa



Egyptian diplomatic stations

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

| frequency | date | UTC | remarks | mode |
|-----------|------|------|--|----------------------------|
| 6790 | 26-2 | 1917 | 1: Egyptian embassy Algiers fc to MFA Cairo | SITOR-A 100/170 + Codan 16 |
| 6780 | 27-2 | 2011 | 99909: MFA Cairo clg TVVK embassy Rabat (CHIRP call 3) | SITOR-A 100/170 |
| 19346.7 | 5-3 | 0817 | MFA Cairo clg OOVV embassy Islamabad | Sitor-A 100/170 |
| 20126.7 | 5-3 | 0905 | MFA Cairo clg KKVU embassy Accra | Sitor-A 100/170 |
| 19101.7 | 5-3 | 0907 | MFA Cairo (99906) clg embassy Luanda (33313) | Codan Chirp |
| 14516.7 | 8-3 | 0803 | Egyptian embassy, traffic to Cairo jg fljk kds kdjfqoh | SITOR-A 100/170 |
| 19346.7 | 10-3 | 0822 | MFA Cairo calling OOVV: embassy Islamabad | Sitor-A 100/170 |
| 20126.7 | 10-3 | 0855 | MFA Cairo calling KKXE: embassy Luanda | Sitor-A 100/170 |
| 19101.7 | 10-3 | 0857 | MFA Cairo calling OOVK: embassy Jakarta | Sitor-A 100/170 |
| 16222 | 16-3 | 0914 | MFA Cairo clg XBVK, embassy Bern | SITOR-A 100/170 |
| 19246.7 | 16-3 | 1804 | Egyptian Embassy Bamako with hex offline crypto to MFA Cairo headed "jg: ykjkwl" | SITOR-A 100/170 |
| 19163.7 | 17-3 | 0754 | MFA Cairo clg OOVC, embassy New Dehli | SITOR-A 100/170 |
| 19593.7 | 17-3 | 0802 | MFA Cairo clg OOVF, embassy Pyongyang | SITOR-A 100/170 |
| 18418.7 | 17-3 | 1124 | MFA Cairo clg KKXD, embassy Djibuti | SITOR-A 100/170 |
| 18028.7 | 19-3 | 0725 | MFA Cairo clg OOVS, embassy Kuala Lumpur | SITOR-A 100/170 |
| 19067.7 | 19-3 | 0812 | MFA Cairo clg KKXB, embassy Kinshasa | SITOR-A 100/170 |
| 19523.7 | 19-3 | 0835 | MFA Cairo clg OOVQ, embassy Beijing | SITOR-A 100/170 |
| 10222 | 21-3 | 2006 | MFA Cairo clg IPTX, embassy Havanna | SITOR-A 100/170 |



Chinese diplomatic stations

22503 kHz, 4-3, 1115 UTC, 4+4 LSB, Chinese diplo
12599 kHz, 4-3, 2236 UTC, 4+4 LSB, Chinese diplo
22473 kHz, 9-3, 1121 UTC, 4+4 LSB, Chinese diplo



UM01
Unid CQ net

Odd unid net

Copied by JPL via remote receivers in Siberia.

These odd stations are only audible in the Far East. The CQ station seems to be on the air 24h a day.

3581 kHz, 21-03, 1935 UTC CQ P 2 repeated (CQ P 4 was copied earlier) -Recording on the N&O website-
 3581 kHz, 22-03, 1920 UTC CQ P 3 repeated
 3581 kHz, 22-03, 1925 UTC CQ P 3 repeated (still active at 1942 UTC)
 3581 kHz, 23-04, 1408 UTC CQ P 3 (still active at 1438 UTC)
 3581 kHz, 24-03, 1518 UTC CQ P 0 (CQ P ZERO - Long Zero) Still active at 1525z
 3581 kHz, 24-03, 1748 UTC CQ M 1 (still active at 1802z)
 3581 kHz, 25-03, 0340 UTC CQ M 1
 3581 kHz, 25-03, 1057 UTC CQ P 3
 3581 kHz, 25-03, 1144 UTC CQ P 3
 3581 kHz, 25-03, 1340 UTC CQ P 3
 3581 kHz, 25-03, 1729 UTC CQ P 2
 3581 kHz, 25-03, 1815 UTC CQ P 2
 3581 kHz, 25-03, 2033 UTC CQ P 2
 3581 kHz, 26-03, 0927 UTC CQ P 2
 3581 kHz, 26-03, 1217 UTC CQ P 2
 3581 kHz, 26-03, 1318 UTC CQ P 2
 3581 kHz, 26-03, 1430 UTC CQ P 2
 3581 kHz, 26-03, 1710 UTC CQ P 2
 3581 kHz, 26-03, 1830 UTC CQ P 2
 3581 kHz, 26-03, 2239 UTC CQ P 2
 3581 kHz, 27-03, 0136 UTC CQ P 1
 3851 kHz, 27-03, 2107 UTC CQ P 0
 3581 kHz, 28-03, 2232 UTC CQ M 3
 3581 kHz, 29-03, 0026 UTC CQ M 4
 3581 kHz, 29-03, 0837 UTC CQ P 2
 3581 kHz, 31-03, 1244 UTC CQ P 7 (Frequency monitored occasionally since 0900z, but not heard until now)
 3581 kHz, 31-03, 1650 UTC CQ P 7
 3581 kHz, 31-03, 1902 UTC CQ P 7
 3581 kHz, 31-03, 2056 UTC CQ P 7
 3581 kHz, 31-03, 2153 UTC CQ P 7

6472 kHz, 24-03, 1830 UTC 64E E (ended at 1832 UTC. Same format as CQ P 0 on 3581 kHz.)
 Not found after the 24th.



UM10
Unid 10-minutes net

Until we know who they are we'll put the net in the database as "UM10" (Unid Morse 10-minutes net).

4112 kHz, 05-03, 1942 UTC: U34D
 4112 kHz, 14-03, 1522 UTC: U34D
 4112 kHz, 22-03, 1925 UTC: U34D

RUSSIAN MILITARY TRANSCRIPTS



RMv/RNv/RNAv/RAv *Russian military stations*

Frequency: various

Mode: USB / voice

Reports received from Wolfgang, Topol, Tom, Rick, Peter, Ron, John, Geir, JPL, Jim

RMv

6795.9 kHz, 01-04, 0452 UTC: Korkar-21 wkg Cezon-82

Lots of activities due to the Ukrainian situation

RAv

6685 kHz, 26-02

1812 Korsar Pskov in contact with unid aircraft reporting ETA at Moscow

11360 kHz, 01-03

1335 Korsar w/78807 (IL-76MD) who passes msg 394 996 908 549 318 and then advises that the next will be 600 368 599 739. Korsar relays flt info to Klarnetist.

1500 Korsar w/82013 (Russian AF AN-124) reporting departure from Mazar-e-Sharif, Afghanistan at 1329 UTC w/fuel 17 tons. Next is landing at Alaktum, Dubai at 1720 UTC.

6685 kHz, 02-03

0130 HRS 3-3 Believed to be possible Russian A/F Comms. Korsar (controller Pskov) calling 76733 (IL-76MD) Korsar with 76771 who passes msg RD 268 5:00 5:03 2 5:22 with fuel remaining 28 tons--(alot of cahtter between Korsar and 76771 because Korsar can't hear the acft well and cannot copy all the msg)
Davlenie (controller Orenburg) calling 76771 passing msg PDN 3 5:50
Kosar with 76638 (IL-76) reporting departure from Puskin at 0540 Moscow time with 22 tons cargo, 12 passengers and fuel remaining of 35 tons. ETA landing at Chkalovskij is 0700 Moscow time

11360 kHz, 02-03

76533 (IL-76MD) calling Korsar & n Polis w/no response.
1603 Chkalovsij w/78830 (IL-76MD) reporting landing at (?Ryzan?) at 1600 UTC.
1610 Chkalovskij w/76638 (IL-76MD).
1632 Korsar w/76741 (IL-76MD)--Korsar has trouble contacting him and gives up.
1630 Korsar w/unid reporting departure from Chkalovskij at 2000 MSK.

6685 kHz, 03-03

1850 Korsar w/76767 (IL-76MD) reporting landing at 2247 MSK w/fuel 50 tons.
1912 78803 (IL-76MD) w/Proselok reporting landing at Perekop (unid)
1950 76731 (IL-76MD) w/Polis reporting departure from Pskov at 2323 MSK w/56 tons fuel & next is Kubinka at 0045 MSK.

11360 kHz, 01-03

1349 aircraft 327 wkg KLARNETIST. Departure from ???? at 1713 (1313?) and ETA and landing 1800, fuel 17 tons
1431 RA-78807 (IL-76MD) wkg KORSAR, who in turn relayed messages to KLARNETIST. Message (code) 394 996 908 549 318, followed by 600 368 599 739
1457 RA-82013 (Russian AF An-124) wkg KORSAR reporting departure from Mazar-e Sharif, Afghanistan 1319, ETA landing Al Maktum, Dubai at 1720, fuel 70 tons
1511 RA-78830 (IL-76MD) wkg CHKLAKOVSKY. Reported landing at ???? 1513
1702 RA-78807 (see above) wkg KLARNETIST. Message passed, 036 082 549 318
1704 RA-(76)764 (IL-76MD) wkg PROSELOK. Reporting fuel 50 tons. PROSELOK has a really bad hum to their transmitter
1753 KORSAR wkg DAVLENIE, POLIS and PROSELOK for radiocheck
1757 KORSAR wkg KLARNETIST and PROSELOK for radiocheck

11360 kHz, 03-03

- 1402 78790 (IL-76MD) calling Korsar & Klarnetist w/no response.
1745 82014 (Russian AF AN-24) calling Korsar w/no response. Xmits in the blind TTF 9055 departure from (?Malta?) w/75 tons fuel. Next is landing at Njamena (Chad)

11360 kHz, 04-03

- 1310 Korsar w/76613 (IL-76MD) reporting departure from Kwartet (Russian AB Taganrog).
1326 Proselok w/86870 (IL-76MD) reporting departure from (missed) at 1709 MSK w/fuel 35 tons. Next is Shaykovka.
1357 Proselok w/acft 89 reporting 2 hrs into flt at alt 2700 mtrs w/50 tons fuel. Proselok relays info to Klarnetist.

11360 kHz, 04-03

- 1432 Proselok w/76553 (IL-76MD) reporting departure from (missed) at 1825 MSK next is Anapa.
1435 Proselok w/78803 (IL-76MD) reporting landing at Rechnoj (Russian AB Shaykovka) at 1833 MSK.

6685 kHz, 04-03

- 1932 Klarnetist w/76764 (IL-76MD) reporting departure from PRIRODNIJ (Russian AB, Butulirovka) at 2225 MSK 1 hr into flt and next is Buntar (Russian AB Orenburg).
1954 Proselok w/78809 (IL-76MD)--acft is weak then fades out while passing flt info.

11360 kHz, 07-03

- 1501 76714 (IL-76MD) calling Proselok w/no response. Korsar responds and 76714 reports departure from Chkalovskij at 1431 UTC w/fuel 45 tons and next is Buntar (Russian AB Orenburg) at 1643 UTC. 76714 requests that flt info be relayed to Proselok. NOTE: Unusual for VTA acft to use UTC time instead of Moscow time.

6685 kHz, 07-03

- 1812 Klarnetist calling 78776 (IL-76MD) w/no response.
1842 Korsar w/76554 (IL-76MD--not heard) reporting landing at Ukrainska.
1847 76669 (IL-76MD) calling Polis w/no response. Answered by Korsar & reports landing at Pskov at 2245 MSK w/fuel 20 tons.
1851 Korsar w/76748 (IL-76MD) reporting landing at Kwartet (Russian AB Taganrog) at 2251 MSK
1941 Korsar w/acft 408 (prob IL-76--not heard) reporting landing at Kadril (Russian AB Ryazan) at 2330 MSK
1943 Korsar w/78831 (IL-76MD--not heard) reporting landing at Ukrainska at 2335 MSK.
1957 Korsar w/76733 (IL-76MD--not heard) reporting departure from Chkalovskij at 2340 MSK & alt 2700 mtrs fuel 54 tons and next is Anapa.
2114 Acft 78694 (IL-76MD) calling Korsar & Klarnetist w/no response. Contacted by another acft (bort number missed) who advises he talked w/Korsar a little while ago and all was normal then. Polis finally responds and 78694 reports 4 hours into flt and passing ?Pustok? and ETA landing at Chkalovskij in 46 mins

11360 kHz, 10-03

- 1401 Chkalovskij w/78830 (IL-76MD)--msg unreadable--acft off freq
1441 Klarnetist w/76551 (IL-76MD) reporting departure from Anapa at 1735 MSK w/fuel 44 tons, alt 2700 mtrs. Landing at Tver.
1444 Korsar calling 76745 (IL-76MD) w/no response.
1448 Korsar w/76549 (IL-76MD). Korsar has trouble hearing him and tells him to QSY to "the other zone". Not found on 8847 or 6685.
1453 Korsar w/78831(IL-76MD) reporting departure from Pskov at 1731 MSK and next is Chkalovskij.
1818 76718 (IL-76MD) calling Korsar & Klarnetist w/no response.

6685 kHz, 13-03

- 0241 Korsar w/76713 (IL-76MD) in pre-flight comms checks.

11360 kHz, 13-03

- 0301 Korsar calling/86843 (IL-76MD) w/no response.

18030 kHz, 13-03

- 1112 Korsar w/76613 (IL-76MD) reporting departure from Chkalovskij at 1451 MSK w/fuel 45 tons, cargo 9 tons and 3 pax. Next is landing at Anapa. At 1258Z reports landing at Anapa at 1656 MSK
1113 76741 (IL-76MD) calling Korsar
1115 Korsar w/76648 (IL-76MD--not heard) reporting 3 hrs into flt passing point (?RIMDI?) at alt 2900 mtrs/fuel 58 tons.
1121 Korsar w/76551 (IL-76MD--not heard) reporting departure from Ryazan at 1515 MSK w/fuel 37 tons and at alt 1300 mtrs. Next is landing at Ivanovo.

11360 kHz, 13-03

- 1158 Korsar w/76713 (IL-76MD) reporting 1 hour into flt, fuel 54 tons and alt 2700 mtrs.
- 1203 Chkalovskij comms checks w/86512 (IL-76MD)
- 1205 Chkalovskij comms checks w/78840 (IL-76MD)
- 1206 76770 (IL-76MD) calling Proselok w/no response. Klarnetist answers and 76770 reports landing at Kwartet (Russian AB Taganrog) at 1605 MSK & requests flt info be relayed to Proselok.

11193 kHz, 13-03

- 1224 Moscow Radio w/flt ?890 (OM Russian) in pp w/O/M (Russian) concerning undisclosed issue with the acft which they suggest taking care of after landing.

8090 kHz, 13-03

- 1300 Nabor (YL Russian) w/unheard acft confirming msg 863/570/516/485.
- 1309 Nabor w/45971 (not heard) confirming msg 588/962/824/225/842/863/550/052. Nabor have very bad xmitter making readability difficult.
- 1340 Nabor w/45971 (not heard) confirming msg 236/701/602/945/918.

6685 kHz, 13-03

- 1559 76538 (IL-76MD) calling Korsar, Davlenie, Polis, & Klarnetist w/no response. He's actually on 6686 probably why no one is answering

8090 kHz, 13-03

- 1855 Shpora w/45973 (TU-95--not heard) confirming msg 725/788. This is YL that used callsign Nabor earlier--in fact she called herself Nabor then switched to Shpora.
- 1902 45973 w/26913 (prob TU-95) passing msg ??? ??? 201/224/143/177. NOTE: Nearby strong RTTY signal makes readability difficult.
- 1919 04605 (prob TU-95) calling Nabor & Shpora w/no response. Also calling (?Maska?), Ritsar w/no response.
- 1934 04605 calling ?(Seremon?) w/no response.
- 1940 (?Kazakh?) w/04605 who reports ops normal.

6685 kHz, 14-03

- 1605 Polis w/76771 (IL-76MD) reporting landing at Pskov w/fuel 14 tons.
- 1615 Korsar w/76776 (IL-76MD) reporting landing at Pskov at 2014 MSK
- 1852 76722 (IL-76MD) calling Korsar and Davlenie w/no response.)

8090 kHz, 14-03

- 1641 15523 (TU-95) in comms checks w/Nabor & Shpora.
- 1202 Nabor w/27914 (TU-95) confirming msg 134/047/724/527/637.
- 1212 Nabor w/45975 (poss TU-95) confirming msg 725/642/405/207/303/436.
- 1222 Nabor W/45972 (poss TU-95) confirming msg 725/337/050/231/093

11360 kHz, 14-03

- 1141 Proselok w/76634 (IL-76MD) reporting 1 hr into flt passing (?Ryzan?), ops normal.
- 1246 Korsar w/76764 (IL-76MD) reporting departure from Quadrille (Russian AB Ryazan) w/fuel 75 tons.
- 1252 Korsar w/76796 (IL-76MD) reporting 1 hr into flt and next is Orenburg.
- 1303 Korsar w/76638 (IL-76MD) reporting landing at Tver at 1602 MSK
- 1310 Proselok w/76722 (IL-76MD) reporting landing at (blocked) at 1603 MSK.

18030 kHz, 14-03

- 1115 Korsar w/82039 (Russian AF AN-124) reporting landing at Minsk at 1107 UTC w/fuel 33 tons.
- 1130 Korsar w/82035 (Russian AF AN-124) reporting passing (missed) at alt 3000 mtrs w/fuel 56 tons. Next is Chkalovskij.

18030 kHz, 16-03

- 1202 Korsar calling Uprava (unid) w/no response.

11360 kHz, 17-03

- 1501 Klarnetist w/82035 (Russian AF AN-124) ident as RFF 8083 reporting 10 hours into flt, passing point (?TEPIN?) w/62 tons fuel. At 1706Z Kosaar w/82035 w/wx for Chkalovskij.

6685 kHz, 17-03

- 1245 Korsar calling 82035 w/no response.
- 1710 Korsar w/76538 (IL-76MD) reporting 1 hr into flt & passing MANIV w/35 tons fuel.
- 1802 Korsar in comms checks w/Klarnetist, Davlenie, Polis and Uprava. NOTE: Perhaps Uprava is entity assoc with Ukraine operations??
- 1808 Korsar w/82035 reporting landing at Chkalovskij at 2157 MSK w/23 tons fuel.
- 1816 Korsar w/76745 (IL-76MD) ident at TTF 962 depart from Sochi at 2150 MSK w/23 tons fuel and next is Vnukovo.
- 1910 Korsar w/98794 (IL-76MD) reporting in group w/76551--both departure from Tiksi at 2250 MSK flt alt 2800 mtrs, next is Ukrainka. Korsar relays info to Klarnetist.
- 1931 Polis w/76538 (IL-76MD reporting landing at Chernyakhovsk at 2330 MSK.
- 1950 Korsar w/78842 (IL-76MD) reporting departure from Sochi at 2340 MSK w/45 tons fuel and next is landing at Vnukovo at 0210 MSK.
- 1951 Korsar w/78794 (IL-76MD) in group w/76551 reporting 1 hr into flt at alt 2800.
- 1957 Korsar w/78845 (IL-76MD) reporting 2 hrs into flt at Alt 2800 mtrs passing Zadonsk. At 2038Z reports landing at Vnukovo at 0035 MSK

11360 kHz, 18-03

- 1136 Chkalovskij in comms check w/33 (unid). Chkalovskij also advises that 34 also hears 33.
- 1220 Klarnetist w/76638 (IL-76MD) reporting landing at Tver at 1720 MSK
- 1230 Korsar w/76551 (IL-76MD) leading the group and reporting departure from Ukrainka and next is Belaya
- 1448 Korsar w/76764 (IL-76MD) reporting landing at Kadril (Russian AB Ryazan) at 1847 MSK
- 1449 76551 (IL-76MD) calling Korsar & Klarnetist w/no response.
- 1452 Proselok w/76974 (IL-76MD) reporting landing at Belaya at 1848 MSK. Proselok relays flt info to Korsar.

8090 kHz, 18-03

- 1350 Nabor w/95147 (unid) w/msg 456/725/656.
- 1640 Nabor w/95147 w/msg 281/919/810/576/282/073/781.

6685 kHz, 18-03

- 1556 Korsar w/76599 (IL-76MD) reporting landing at Chkalovskij at 1955 MSK. Korsar relays info to Klarnetist.
- 1621 Korsar w/76638 (IL-76MD) reporting departure from (missed) at 2030 MSK w/33 tons fuel and next is Pskov at 2100 MSK
Korsar w/76638 (IL-76MD) reporting landing at Pskov at 2117 w/21 tons fuel.
- 1959 Korsar w/76771 (IL-76MD) reporting departure from Pskov at 2315 MSK and ETA of 0700 MSK landing at Belaya. At 2019 reports 1 hour airborne w/fuel 65 tons.
- 2042 Korsar w/76747 (IL-76MD) reporting departure from Kvartet (Russian AB Taganrog) at 0040 MSK and at alt 1700 mtrs passing point RND and next is? Namaikof?
- 2109 Korsar w/76592 (IL-76MD) reporting hours airborne w/63 tons fuel.

11360 kHz, 19-03,

- 1105 Korsar extensive calling 76599 (IL-76MD) w/no response.
- 1238 Klarnetist w/78838 (IL-76MD) reporting landing at Murmansk at 1635 MSK w/15 tons fuel.

6685 kHz, 19-03

- 1824 Polis w/76669 (IL-76MD) reporting departure from ?Drimuchi/Trimuchi? at 2205 MSK next is Pskov.
- 1828 Polis w/76599 (IL-76MD) reporting departure from Chkalovskij w/32 tons fuel at 2210 MSK and ETA landing at Pskov 2345 MSK. NOTE: At this time 6685 is being partially blocked by one of the many strong Greek LSB ham signals.
- 1842 Korsar w/76747 (IL-76MD) reporting departure from Dorozhnyj (Russian AB Rostov-na-Donu) at 2218 MSK passing point BATUM at alt 1800 mtrs and next is Anapa.

8090 kHz, 19-03

- 1909 Nabor calling 95147 (poss TU-95) w/no response.

11360kHz, 20-03

- 1140 Korsar w/09344 (AN-22) reporting 3 hrs into flt passing SUROV (spelled) w/45 tons fuel.
- 1202 Korsar w/76724 (IL-76MD) reporting 60 tons fuel & ops normal.
- 1235 Korsar w/78835 (IL-76MD) reporting landing at Tver at 1635 MSK.
- 1313 Korsar w/79790 (IL-76MD) w/msg 510 462 362 746803 479. Korsar relays msg to Polis.
- 1323 Korsar w/76772 (IL-76MD) reporting passing Pochinok w/47 tons fuel.

6685 kHz, 20-03

- 1542 Klarnetist relays to Polis info for 76767 (IL-76MD) who departed from (missed) at 1920 MSK and ETA Pskov is 2200 MSK.
1704 Klarnetist w/78790 (IL-76MD) reporting 1 hr into flt, alt 2800 mtrs, 28 tons fuel.
1051 Polis w/76599 (IL-76MD) reporting departure from Dozhdevik (Russian AB, Pushkin) a 2127 MSK w/54 tons fuel and 26 tons cargo and ETA Anapa at 0035 MSK.
1931 Korsar w/76592 (IL-76MD) reporting departure from Kanatnij (Russian AB, Ivanovo-North) at 2300 MSK w/53 tons fuel and 9 tons cargo. ETA Anapa is 0200 MSK

8090 kHz, 20-03

- 1546 Nabor w/unid acft confirming last group in msg as 754. Rest of exchange missed.
1554 Nabor w/45973 (TU-95 Ukrainka) w/msg 376/856.

11360 kHz, 20-03

- 1140 Korsar w/09344 (AN-22) reporting 3 hrs into flt passing SEROV (spelled) w/45 tons fuel.
1202 Korsar w/76724 (IL-76MD) reporting 60 tons fuel & ops normal.
1235 Korsar w/78835 (IL-76MD) reporting landing at Tver at 1635 MSK.
1313 Korsar w/78790 (IL-76MD) w/msg 510 462 362 746803 479. Korsar relays msg to Polis.
1323 Korsar w/76772 (IL-76MD) reporting passing Pochinok w/47 tons fuel.

8090 kHz, 20-03

- 1546 Nabor w/unid acft confirming last group in msg as 754. Rest of exchange missed.
1554 Nabor w/45973 (TU-95 Ukrainka) w/msg 376/856.

6685 kHz, 20-03

- 1542 Klarnetist relays to Polis info for 76767 (IL-76MD) who departed from (missed) at 1920 MSK and ETA Pskov is 2200 MSK.
1704 Klarnetist w/78790 (IL-76MD) reporting 1 hr into flt, alt 2800 mtrs, 28 tons fuel.
1931 Korsar w/76592 (IL-76MD) reporting departure from Kanatnij (Russian AB, Ivanovo-North) at 2300 MSK w/53 tons fuel and 9 tons cargo. ETA Anapa is 0200 MSK

11360 kHz, 21-03

- 1051 Polis w/76599 (IL-76MD) reporting departure from Dozhdevik (Russian AB, Pushkin) a 2127 MSK w/54 tons fuel and 26 tons cargo and ETA Anapa at 0035
1205 Klarnetist w/76794 (IL-76MD) w/RD msg 371 04 602 199 362 643 223 868.
1229 Korsar w/82037 (Russian AF AN-124) reporting ETA (missed)
1232 Korsar w/78816 (IL-76MD) reporting departure from Staraya Russa at 1600 MSK next is Kanatnij (Russian AB, Ivanovo-North).
1241 Korsar w/76613 (IL-76MD) reporting departure from Kadril (Russian AB Ryazan) at 1620 MSK w/53 tons fuel--next is Buntar Russian AB Orenburg).
1245 Proselok w/76634 (IL-76MD) reporting departure from Kadril, at alt 2700 mtrs, next is Orenburg.
1431 Korsar w/76334 (IL-76MD) reporting departure from Domna at 1646 MSK w/53 tons of fuel and next is Novosibirsk.
1530 76538 (IL-76MD) calling Korsar w/no response.
1616 Korsar w/78817 (IL-76MD) reporting 3.5 hrs into flt passing ?DOBRO? at alt 2800 mtrs & next is Severomorsk.
1631 76669 (IL-76MD) calling Korsar & Klarnetsist w/no response.

8090 kHz, 21-03

- 1823 Nabor calling 15527 (TU-95 Bear Ukrainka) w/no response.

6685 kHz, 25-03

- 1553 76745 (IL-76MD) calling Proselok, Korsar & Davlenie w/no response. Klarnetist answers & 76745 reports departure from (missed), 2 hrs into flt w/30 tons fuel and next is ?Vozdika?
1614 Polis w/75553 (IL-76MD) reporting landing at Pskov at 2013 MSK w/24 tons fuel.
1712 76719 (IL-76MD) calling Korsar w/no response. At 1719Z Korsar w/76719 reporting departure from Sochi at 2010 w/40 tons fuel-next is Chkalovskij.
1716 76748 (IL-76MD) calling Klarnetist w/no response. Actually xmitting on 6684.0. Korsar answers on 6685.0 & 76648 reports landing at Tver w/26 tons fuel. At 1757Z Korsar w/76648 (IL-76MD) reporting departure from Tver at 2100 MSK w/40 tons fuel.
1920 Korsar w/76648 (IL-76MD) reporting landing at Kvartet (Russian AB Taganrog) at 2320 MSK.
1922 Korsar w/78794 (IL-76MD) reporting 2 hrs into flt w/28 tons fuel.
1928 Korsar w/76719 (IL-76MD) reporting landing at Chkalovskij.

8090 kHz, 25-03

- 1539 Nabor calling 15529 (TU-95 Bear Ukrainka) w/no response.
2026 Unid acft (O/M Russian) calling Shpora w/no response.

11360 kHz, 25-03

- 1209 Korsar w/09344 (Russian AF AN-22A) reporting 3 hrs into flt passing ?RIMAC? w/46 tons fuel ETA landing (missed) is 2050 MSK. At 1407Z reports 5 hrs into flt w/32 tons fuel passing UNILI (spelled).
1334 76538 (IL-76MD) calling Korsars w/no response.
1335 Korsar w/76772 (IL-76MD) reporting departure from Sochi at 1730 MSK next is (missed), alt 5000 mtrs & 20 tons fuel. At 1400Z reports landing at ? Butauda?
1528 Korsar w/82037 (Russian AF AN-124-not heard) reporting departure from Sescha w/70 tons fuel and next is Chkalovskij. at 1717z 82037 reports landing at Chkalovskij.
1529 Proselok w/76554 (IL-76MD) reporting departure from Ivanovo at 1920 MSK w/37 tons fuel. Next is Sescha.
1541 Korsar w/78881 (IL-76MD-not heard) reporting landing at Kubinka at 1835 MSK

18030 kHz, 25-03

- 1111 Korsar w/76772 (IL-76MD-not heard) reporting departure from Vnukovo at 1450 MSK w/26 tons fuel, at alt 1800 mtrs. Next is Sochi.
1113 Korsar w/78794 (IL-76MD) passing ?NIMRA? w/30 tons fuel. At 1213Z reports 2 hrs into flt passing ?Uryanka? w/20 tons fuel. At 1250Z reports landing at Kubinka at 1648 MSK.

6685 kHz, 26-03

- 1647 Korsar w/76738 (IL-76MD) reporting departure from Anapa-2 (spelled) at 2209 MSK w/36 tons fuel and next is Mozdok. NOTE: First time I've seen this airfield referenced--new for the Ukraine buildup?
1725 Klarnetist w/78803 (IL-76MD) reporting 1 hr into flt and passed (missed) at alt 2800 mtrs w/30 tons fuel. ETA Tver 2240 MSK .

8847 kHz, 26-03

- 1155 Korsar w/78831 (IL-76MD) reporting landing at Ostrov at 1555 MSK.
1201 Korsar in comms checks w/Polis, Proselok, Davlenie, & Klarnetist.

11360 kHz, 26-03

- 1224 Korsar w/76719 (IL-76MD) reporting departure from Chkalovskij at 1600 MSK w/40 tons fuel and next is Taganrog. At 1300Z report 1 hr into flt passing point (missed) w/35 tons fuel.
1252 Korsar w/Klarnetist relaying flt info for 78898, 7 hrs into flt, alt 3400 mtrs, 16 tons fuel.
1324 Korsar w/76745 (IL-76MD) reporting departure from Karakul (unid) at 1620 MSK w/39 tons fuel, next is Perekop (Russian AB, Olenya).
1340 Korsar w/76538 (IL-76MD-not heard) reporting departure from Dozhdevik (Russian AB, Pushkin) 1620 MSK w/54 tons fuel and next is Gvozdika (Ashuluk, Astrakhan) at 2030 MSK. At 1532Z Korsar confirms 2 hrs into flt w/34 tons fuel.
1403 Korsar w/76549 (IL-76MD) reporting departure from Sochi at 1750 MSK w/38 tons fuel at alt 1600 mtrs, next is ? Akhtarsk?
1442 Z Korsr w/82037 (Russian AF AN-124) reporting departure from Sochi at 1346 UTC w/55 tons fuel and next is Tver. At 1645 advises Korsar landed Tver at 1629 UTC w/26 tons fuel.
1509 Korsar w/76772 (IL-76MD) reporting departure from Sochi at 1905 MSK w/30 tons fuel and next is Sukhumi.

18030 kHz, 26-03

- 1132 Korsar calling 78838 (IL-76MD) w/no response. Korsar then asks Klarnetist for the time of 838's report. Korsar confirms it was 1325 MSK. At 1517Z Korsar advises Klarnetist that 78838 land at Murmansk at 1758 MSK. At 1642Z advises Korsar tat he has landed at Gvozdika (Ashuluk, Astrakhan) at 2042 MSK.
1137 Korsar calling 78794 (IL-76MD) w/no response.

6685 kHz, 27-03

- 1726 Korsar w/09309 (Russian AF AN-22A) reporting departure from Tver at 2104 MSK w/56 tons fuel and ETA Kedr (Russian AB,Bryansk) 2155 MSK

11360 kHz, 27-03

- 1524 Korsar w/76669 (IL-76MD) reporting departure from ?Korshum? at 2130 MSK w/40 tons fuel.
1525 Korsar w/76747 (IL-76MD) reporting 2 hrs into flt passing NIMRA at alt 2700 mtrs w/22 tons fuel.
1711 Korsar w/76764 (IL-76MD) reporting 1 hr into flt, passed ?DETOK/DITOK? w/30 tons fuel.

RNAv

11354 kHz, 03-03

1410 Priboj w/52764 (Russian Navy AN-26) reporting passing point KANON at 1356 UTC at alt 5500 mtrs w/fuel 4500 kgs.

11354 kHz, 04-03

1600 Priboj (Russian Naval Air Transports Central Sector, Moscow) w/75082 (Russian navy IL-18/20) reporting passing point ?KALIN?) at 7900 mtrs w/fuel 11500 kgs and ETA landing at Severomorsk-3 at 1635Z
76553 (IL-76MD) working w/Proselok (Russian AB Bryansk) reporting departure from Kanatnij (RussianAB, Ivanovo-North) at 1926 Moscow Time and next is landing at Pskov.

11354 kHz, 04-03

1412 Priboj w/52753 (Russian Navy AN-26) reporting landing at Eisk at 1410 UTC w/fuel 3000 kgs. At 1612Z 52753 reports departure from Eisk at 1600Z w/fuel 4800 kgs and alt 5500 mtrs. Next is ?Blasov?.

1417 Priboj w/75082 (Russian Navy IL-18/IL-20) reporting departure from Pushkin at 1415 UTC w/15000 kgs & ETA Severomorsk-3 is 1635 UTC.

11354 kHz, 10-03

1208 Priboj w/75083 (Russian Navy IL-18/20)--caught at sign off.

1215 Priboj w/52753 (Russian Navy AN-26) reporting landing at Eisk at 1130 UTC.

1508 Priboj w/75085 (Russian Navy IL-18/20) reporting passing point KANON at alt 7900 mtrs w/fuel 16000 kgs.

1611 Priboj w/75085 reporting passing point (missed) at 1608 UTC at alt 8500 mtrs w/fuel 12,000 kgs.

11354 kHz, 13-03

1403 Priboj w/52764 (Russian Navy AN-26) reporting departure from Anapa at 1400 UTC w/fuel 4000 kgs. Alt 4500 mtrs and ETA Rostov-na-Donu 1500 UTC.

11354 kHz, 19-03

1140 Priboj & Kraket w/47571 (Russian Navy AN-26) reporting departure from Anapa w/4100 kgs fuel and next is Eisk. Reports landing at Eisk at 1220 UTC.

1141 Priboj w/75095 (Russian Navy IL-18/20) reporting passing Oktyabrskij, alt 8600 mtrs w/15,000 kgs fuel. At 1242Z reports passing ?Chernyapevsk? at alt 8550 mtrs w/12550 kgs fuel. At 1443Z reports landing at Severomorsk-3 at 1431 UTC.

1200 Priboj calling 88126 (Russian Navy AN-72) w/no response.

11354 kHz, 20-03

1333Z Priboj w/26901 (Russian Navy AN-26) reporting departure from Petrozavodsk at 1333 UTC w/5300 kgs fuel and ETA landing at (missed) 1723 UTC. (2014/03/20 RP-MD)

11354 kHz, 21-03

1219 Priboj w/26910 (Russian Navy AN-26) reporting departure from Eisk at 1205 UTC w/5300 kgs fuel and ETA landing at ???-2 at 1435 UTC.

1535 Priboj w/26910 reporting departure from ???-2 at 1531 UTC w/5300 kgs fuel and next is Kipelovo at 1911 UTC.

1641 Priboj (caught in progress) w/26910 at alt 5500 mtrs w/4200 kgs fuel.

11354 kHz, 25-03

1138 Priboj & Novator w/26901 (Russian Navy AN-26) (in progress) course 270 degrees, alt 6100 mtrs, 3500m kgs fuel. At 1331 reports passing (missed) and ETA landing at Severomorsk-3 us 1407 UTC.

1215 Priboj w/88621 (Russian Navy AN-26) reporting departure from Eisk at 1130 UTC w/fuel 6300 kgs and ETA landing at Ostafyevo at 1350 UTC.

1353 Priboj w/52763 (Russian Navy AN-26) reporting departure from Ostafyevo at 1340 UTC w/5000 kgs fuel and alt 5800 mtrs. ETA Landing at Eisk 1630 UTC.

11354 kHz, 26-03

1234 Priboj w/26901 (Russian Navy AN-26---caught in progress) ETA landing Severomorsk-3 1405 UTC.

1334 Priboj w/52763 (Russian Navy AN-26) reporting departure from Eisk at 1325 UTC w/5000 kgs fuel, at alt 5500 mtrs and TA Ostafyevo 1620 UTC. At 1523Z advises Priboj they passed Zadonsk at 1523 UTC at alt 5500 mtrs w/3200 kgs fuel.

1400 Priboj w/26901 reporting landing at Severomorsk-3 1350 UTC. Priboj relays info to Novator.



M32

Russian/CIS Military CW Stations

5417 kHz, 07-03, 1550 UTC, in progress

47244 14573 30604 44575 66337 88774 32112 72445 10433 05281
86102 EEEEE 05281 86102 60212 38857 24204 03041 23124 68377
85183 57067 33766 02804 57149 17153 67123 89858 04986 79971
81445 65791 77288 23044 68816 91286 81246 23157 83955 02399
07145 77331 72487 17567 03485 21721 71844 42683 28713 84625
43412 42847 03875 6439. 24617 28405 22997 07060 =
PNZM PNZM PNZM QTC 135 62 7 1745 135 =
225 =
11111 91971 71305 33696 87.42 02287 47244 14573 30604 (Cont'd repeat of msg)

6339 kHz, 07-03, 1857 UTC

MHTK MHTK MHTK DE S51F R 469 K =
MHTK MHTK DE Z45Y RPT 6 K =
Z45Y R 469 K. Z45Y R 469 K =
MHTK MHTK MHTK DE JTTB JTTB OK QTA 469 K =

5777 kHz, 07-03, 2229 UTC

Z7KN DE V2WL (Cont'd)
QSA2 QSA? K K
BK QRU? K. QRU? K. QRU? K
QTC1 ZZC K
AS (Switched to RTTY - Into RYs at 2231z, msg ends at 2237z)

3601 kHz, 15-03, 1736 UTC

In progress. 4 figure groups. Sends = = after each group of 10
AR. R? K
= = DE WNAK R NR 418 K
OK
= = 62?T = = .432
= = = CIT9 DE WNAK QTC QRV? K

5514 kHz, 17-03, 1808 UTC

XEQ9 DE 3C4N R 307 ? K
3C4N BT ZIC EI K
3C4N BT JVAXS K
3C4N BT JVAXS K

3552 kHz, 23-04, 1623 UTC

MICB K
R K
O5CE K
R K
F.X8 K
R K
L.ZF K
R K
VB7N K
R K
X14S DE ZJIX QTC K
XJ4S QRV K
ZJIX 90131 23 202. 901 =
293 = 21282 23675 30895 00276 74092 (Cont'd)



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

8345 kHz, 01-03

1702 RCV DE RHV42 QSA2
1703 RHV42 OK QYT4 QWH 6310
1749 VVV RCV DE RJL99 QSA?
1752 RJL99 OK QYT4 QWH 5382

12464 kHz, 02-03

1205 VVV RCV DE RAL46 QSA? QTC
1206 RAL46 924 66 2 1600 924 = FOR RCV RIW RIT RHY73 = 11111 74645 19256 02061 = + RAL46
1217 RAL46 784 17 2 1605 784 = FOR RJH45 RJE73 = 02121 99363 70038 22272
(36.3N 03.8W heading NW @ 6-10kts <https://goo.gl/maps/H9009>)

8345 kHz, 02-03

1854 VVV RCV DE RJL99 QSA?
1856 RCV DE RJL99 QYT4 QSX 5466
1859 RJL99 OK QYT4 QWH 6302
1909 VVV RCV DE RHV42 QSA?
1910 RCV DE RHV42 QYT4 QWH 6310
1938 VVV RCV DE RAL46 QSA?
1940 RAL46 QSL 278

3337 kHz, 04-03

0057 RJP54: RCV DE RJP54 NR 318 RPT 6 15 K - QSL 318 K
0004 RCV DE RMGZ 218 19 4 0400 218 = SML FOR RJH45 RJE73 = 04001 99443 10354 42/98 /0507 10080 40060 54000
70211 8//// 22262 00094 2//// 3//// 4//// 04015 = + RMGZ K

3395.5 kHz, 04-03

0005 RJE65 DE REL5 911 17 4 0400 911 = FOR RJH45 RJE73 RJE65 = 04001 99439 10387 43/98 90000 10110 40066 52007
89800 22200 20000 88000 80000 04013 = + REL5 K

8345 kHz, 04-03

0604 RAL46: Rus Navy Tanker Vyazma. RIT DE RAL46 493 17 4 1002 493 = FOR RJH45 RJE73 = 04061 99356 70040 41/97 /2816
10130 40174 52020 70311 8//// 22262 2//// 3//// 4//// 04014 = + RAL46 K

14556 kHz, 04-03

0925 RIW: Navy HQ Moscow. RGR70 RGR70 RGR70 DE RIW RIW SK AR

6416 kHz, 05-03

0346 RLO DE RIT QTC 804 85 5 0746 804 = PROGNOZ POGODY

12464 kHz, 06-03

1203 VVV RCV DE RAL46 QSA? QTC
1206 RAL46 RPT 06 272 17?39 42612
1208 RAL46 QSL 781
1209 RAL46 867 57 6 1600 867 = FOR RCV RIW RIT RHY73 = 11111 98692 58059 06052 = + RAL46

8345 kHz, 06-03

1802 VVV RCV DE RAL46 QSA? QTC
1803 RAL46 146 17 6 2202 146 = FOR RJH45 RJE73 = 06181 99361 70068 22273
(36.1N 06.8W heading NW @ 11-15kts <https://goo.gl/maps/EdACm>)

3365 kHz, 08-03

0008 RIT: Russian Navy wkg RAL46

3379 kHz, 08-03

0020 RCV: Russian Navy sends 152 group msg to RMBB, who answers on 3337 kHz

3337 kHz, 08-03

0020 RMBB wkg RCV on 3379 kHz

3797 kHz, 11-03

2137 RKZ RKZ RKZ DE RCV RCV QTC 219 22 12 0025 219 = SML = ... 15 m/s more 34 b

8345 kHz, 12-03

0604 RAL48: Navy Tug Nikolay Chiker. RIW DE RAL48 218 21 12 1002 218 = SML FOR RJH45 RJH74 = 12061 99251 70757
41598 11809 10237 40115 57007 20200 81400 22276 10274 20101 36/// 4/// 5/// 6/// 12017 = + RAL48 K

4273 kHz, 14-03

2150 i.p. 65923 36214 08048 11271 15042 =
AR RFH82 K
R J.. QSL 910 K
RJE65 DE RFH82 QRR3 QDW? K
RFH82 DE RJE65 QRR3 QDW 4272 AAA 5 K
OK ZKM? K
RJE65 DE RFH82 K
RFH82 RFH82 DE RJE65 ZZD? K

6989 kHz, 17-03

2052 i.p. DE RAL2 K
RAL2 DE RHQ2 QSA4 K
QSA4 ZNN ZNN VA VA
RBL66 DE RAL2 K
RAL2 DE RBL66 QSA 3 K
QSA2 ZNN ZNN VA
RIB2 DE RAL2 K
RAL2 DE RIB2 QSA4 ? K
QSA3 ZNN ZNN VA VA

8345 kHz, 25-03

1810 RKB91: NAVY AO KOLA. RMP DE RKB91 116 16 25 2200 116 = SML FOR RJD38 RJH45 = 25181 99551 10169 41496 93609
10050 40015 55020 70202 8/// 22262 00030 25012 = + RKB91 K

8623 kHz, 25-03

0955 RIW: NAVY HQ MOSCOW. TFC TO RCRE FM RAA

9145 kHz, 25-03

0846 RIW: NAVY HQ MOSCOW. RCRE DE RIW QYT4 QWH 8633/12948 QSX 8330/16603 FM RAA K

12260 kHz, 25-03

0935 riw de rcre short contact

12464 kHz, 25-03

0837 RIW DE RCRE OK QAP K 0934Z RIW QSU1 QWH 12260 QSX 13086 K

12948 kHz, 25-03

0955 RIW TFC TO RCRE FM RAA

13086 kHz, 25-03

0935 RCRE DE RIW SHORT CONTACT

16603 kHz, 25-03

0956 RCRE TFC TO RIW

3750 kHz, 26-03

1713 RGR97 DE RMW46 ZSA ? K
 1715 RMW46 ZSA 2 R K
 RGR98 DE RMW46 ZSA ? K
 RMW46 ZSA 2 R K
 1716 RDQ81 DE RMW46* ZSA ? K
 1717 RMW 46 ZSA 3 R K
 RGR87 DE RMW46 ZSA ? K
 1718 RWM46 ZSA 1 R K

8345 kHz, 27-03

0613 RKB91: NAVY AO KOLA. RMP DE RKB91 981 16 27 1000 981 = SML FOR RJD38 RJH45 = 27061 99567 10118
 41597 80210 10070 40250 52020 70202 8//// 22282 00030 27012 = + RKB91 K
 0606 RAL48: NAVY TUG NIKOLAY CHIKER. RIW DE RAL48 455 21 27 1005 455 = SML FOR RJH45 RJH74 = 27061
 99132 70690 41598 20711 10261 40155 52012 70200 82400 22241 00240 20202 3//// 4//// 5//// 6//// 27017 = +
 RAL48 K



M32b
Russian Naval Aviation
Aviatsiya Voennno-morskogo Flota Rossii

8816 kHz, 03-03

1055 85282: Naval Air Transport. RJF94 RCB DE 85282 QTO 1046 QRD XLOO XUMO QRE 1235 QAH 5500 QBD 4100 K - QAY
 UUWK 1130 QAL XLOO 1230 QAH 5500 QBD 3300 K
 1129 10710: Naval Air Transport. RJF94 RJC38 DE 10710 QTO 1118 QRD XUMO XLWF QRE 1225 QBD 19000 K - QQM XUMO
 1230 SK
 1233 26905: Naval Air Transport. RJF94 RJC38 DE 26905 QTO 1215 QRD XUMO XLMV QRE 1625 QBD 5200 K - QTH 6546
 2358 QTR 1320 QBG 5800 K

8816 kHz, 06-03

0833 RJC38 DE 10710 QQL XUOI 0831 QBG 7300 K - QTH 5252 3847 QTR 0904 QRE XUMO 0945 K - QQM XUMO 0944 SK
 1408 RJF94 RJC38 DE 10710 QTO 1355 QRD XLWF XUMO QRE 1505 QBD 10000 K - QQM XLWF 1455 SK
 1637 RJF94 RJC38 DE 10710 QTO 1622 QRD XLMV XLWF QRE 1850 QBD 14000 K - QAY XLPB 1703 QBG 6700 K - QQL ULPE 1751
 QRE XLMV 1850 K - QQM XLMV 1849 SK

8816 kHz, 11-03

0733 RJF94 RJC38 DE 10712 QTO 0726 QRD XLMV XRKE QRE 1310 QBD 19000 K - QQL XUOI 0830 QBG 6700 K - QQL UUUW
 0932 QBD 14500 K - QQL ULWB 1033 QBG 6700 K - QQL ULPE 1136 QRE XLMV 1240 K - QQM XLMV 1243 SK

8816 kHz, 13-03

1528 RJF94 RJC38 DE 75091 QTO 1517 QRD XLMV XRKE QRE 2022 QBD 18000 K - QQL XUOI 1631 QBG 7300 K -
 QAY UUDD 1742 QBD 12000 K - QQL ULWC 1836 QBG 7600 K - QAY XLPB 1914 QBD 7800 K
 1542 RJF94 RJC38 DE 75083 QTO 1530 QRD XLMD XRKE QRE 2130 QBD 17000 K - QQL XUOW 1657 QBG 240 K -
 QQL UUDD 1749 QBG 240 QBD 11800 K - QQL ULWC 1844 QBG 250 K - QAY XLPB 1924 QBG 220 QBD 8500 K

8816 kHz, 25-03

0923 RJF94 RCB DE 42326 QTO 1246 QRD XUMO XLLP QRE 1440 QAH 5800 QBD 4800 K - QQL UUWR 1340 QAL XUMO 1437
 QAH 5800 QBD 4300 K - QQM XUMO 1450 SK
 1223 RJF94 RCB DE 04104 QTO 1130 QRD XLPB XMWH QAH 5800 QTH 5730 2011 QTR 1222 QBD 0520 K

8816 kHz, 31-03

1044 RJF94 RJC38 DE 26901 QTO 1030 QRD XUMO XLWF QBD 5300 QRE 1200 K - QTH 5706 3743 QTR 1110 QRE XUMO 1140 K
 - QQM XUMO 1154 SK
 1055 RJF94 RJC38 DE 26910 QTO 1040 QRD XLAA XLMV QBD 4500 QRE 1230 K - QTH 6636 3540 QTR 1140 QBG 5800 QBD 3600

QRE XLAA 1235 K - QQM XLAA 1235 SK
 1105 RJF94 RCB DE 42326 QTO 1047 QRD XUMO XLLV QRE 1245 QAH 5800 QBD 4800 K - QQL UUWR 1144 QAL XUMO 1235 QAH 5800 QBD 4200 K
 1321 RJF94 RJC38 DE 26901 QTO 1305 QRD XLWF XUMO QBD 5000 QRE 1435 K - QTH 5842 3804 QTR 1408 QRE XLWF 1445 K - QQM XLWF 1428 SK
 1411 RJF94 RJC38 DE 26910 QTO 1400 QRD XLMV XLAA QBD 5200 QRE 1600 K - QQL XLMF 1516 QBG 5500 QBD 3500 K - QQM XLMV 1557 SK
 1545 RJF94 RJC38 DE 26901 QTO 1530 QRD XLMV XLWF QBD 5200 QRE 1840 K - QAY XLPB 1630 QBG 5500 K - QQL ULPE 1725 QBD 3600 K - QQL XLMF 1810 QRE XLMV 1845 K - QQM XLMV 1847 SK



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

8029 kHz, 05-03

“W” Markers 1820, 1920, 2000, 2040, 2100, 2120, 2200, 2220, 2240 UTC

8170 kHz, 05-03

1924 SY6U QSA ? K
 1926 TRL5 DE SY6U QSA ? K
 1928 W4H1 DE SY6U QSA ? K
 1940 W4H1 DE SY6U QSA?
 2017 TRL5 DE SY6U QSA?
 2018 W4H1 DE SY6U QSA?
 2214 MWTL DE SY6U QSA3 QTC
 SY6U = 347 449 863 449 318 621
 2215 = 347 449 863 449 318 621
 2256 MWTL DE SY6U QSA2 QTC
 2257 = 498 890 724 469 318 086
 2258 = 498 890 724 469 318 086 CK
 2331 MWTL DE SY6U QSA? QTC
 2332 SY6U = 830 500 536 571 626 504

8029 kHz, 07-03, 1200 UTC: “W” markers

8029 kHz, 13-03, 1820 UTC: “W” and “G” Markers at 1820, 1920, 2040, 2240 UTC

8029 kHz, 13-03, 1728 UTC: “G” Markers 1728 and 1800 UTC

Traffic between 8029 and 8170 kHz on 13-03

8029 1925 MMWD DE OYDB QSA? K
 1925 OYDB DE MMWD QSA 3 QSA ?
 8170 1925 OK QSA3 QSA3 K
 8029 1927 OYDB DE MMWD OK K
 1943 OYDB DE TRL5 QSA3 K
 8170 1945 TRL5 DE OYDB QSA? K
 OYDB DE TRL5 QSA4 K
 8170 1946 TRL5 DE OYDB QSA4 OK QSA3 K
 2028 TRL5 DE OYDB QSA ? K
 8029 2028 OYDB DE TRL5 QSA 2 QTC K
 TRL5 QRV K
 2029 OYDB = 112 131 234 146 K
 TRL5 = 112 131 234 146 C ? K C K
 8170 2044 1HCU DE OYDB QSA4 QSA ? K
 8029 2044 OYDB DE 1HCU QSA4 K
 OK QSA4 K
 8170 2104 TRL5 DE ANSZ QTC K
 8029 2104 TRL5 QRV K

TRL5 DE ANSZ = 101 132 126 234 125 K
 RPT 4
 ANSZ = 101 132 126 234 125 K
 AS
 2112 TRL5 DE OYDB K
 OYDB DE TRL5 = 101 132 126 234 125 C ? K
 8170 2114 1HCU DE OYDB QTC K
 8029 2114 OYDB DE 1HCU K
 QTC K
 2115 1HCU QRV K
 2116 OYDB = 111 132 234 120 K
 2118 1HCU = 111 132 234 120 C ? K
 C K
 8179 2233 TRL5 DE ANSZ K
 8029 2233 ANSZ DE TRL5 QSA 3 QSA ? K
 TRL5 DE ANSZ QTC K
 TRL5 QRV K
 2235 ANSZ = 113 245 126 181 234 157
 = 113 245 126 181 234 157 K
 TRL5 112 245 126 181 234 157 C ? K
 2237 C OK K
 8170 2245 TRL5 DE OYDB QTC K
 8029 2246 OYDB DE TRL5 QRV K
 OYDB = 115 245 126 177 234 165 K
 TRL5 - 215 245 126 177 234 166 C ? K
 OYDB = 115 245 126 177 234 165 K
 TRL5 =116 245 126 177 234 165 C ? K
 C K

13404 kHz, 14-03, 2014 UTC:

0852 ...042 = 429 =
 0869 7129 7152 6291 (error)
 AS
 NW RPT AA?
 0853 = 0869 7129 7152 6291 5070 8410 4726 1465 6344 4381
 7708 5942 8382 7016 3436 3963 3519 3001 1462 1419
 Note: unusual 4 number groups instead of the usual 5

8029 kHz, 14-03, W-marker at 1020, 1120, 1140 UTC

8029 kHz, 18-03, W-markers at 1220, 1300 UTC

Traffic between 8029 and 8170 kHz on 19-03

8029 1316 DE TRL5 QRV @1316Z
 1317 TRL5 = 113 .73 1.1 C ? K @1317Z
 1320 W Markers
 8090 1310 Voice traffic
 8029 1356 P9DL DE TRL5 QRV
 1357 TRL5 = 027 979 086 C ? K
 1400 W Markers
 1420 W Markers
 1457 P9DL DE TRL5 QRV K
 8170 1457 P9DL = 095 (signal fades)
 TRL5 RPT K
 TRL5 = 095 745 928 C ? K C K
 8029 1500 W Markers
 8170 1550 TRL5 DE P9DL QTC K
 8029 1550 P9DL DE TRL5 QRV K
 P9DL = 281 701 623 K
 TRL5 = 281 701 623 C ? K

8170 1552 C K
 8029 1600 W Markers
 8170 1612 TRL5 DE P9DL QTC K
 8029 1612 P9DL DE TRL5 QRV K
 P9DL = 710 282 073 633 K
 TRL5 = 710 282 073 633 C ? K
 8170 1612 C K
 8029 1620 W Markers 1620-22Z
 8029 1640 W Markers 1640-42Z
 8170 1643 TRL5 DE P9DL QTC K
 8029 1643 P9DL DE TRL5 QRV K
 P9DL = 606 168 146 K
 TRL5 = 606 168 146 C ? K
 8170 1643 C K
 8029 1700 W Markers
 8029 1720 W Markers
 8029 1728 P9DL DE TRL5 QTC K
 8170 1728 TRL5 DE P9DL QRV K
 TRL5 = 710 282 073 633 276 040 795 197 136 802 777 539 643 709 K
 P9DL attempt repeat of message.
 TRL5 repeats message
 P9DL = 710 282 073 633 276 040 795 197 136 802 777 539 643 709 C ? K
 1734 TRL5 C K
 8029 1740 W Markers 1740-42Z
 8170 1743 TRL5 DE P9DL QTC K
 8029 1743 TRL5 QRV K @1743Z
 P9DL = 605 278 978 K
 TRL5 = 605 278 178 C ? K
 8029 C K
 8029 1840 W Markers
 8170 1848 TRL5 DE P9DL QTC K
 8029 1848 P9DL DE TRL5 QRV K
 P9DL = 362 485 K
 TRL5 = 362 485 C ? K
 P9DL C SK
 1852 P9DL DE TRL5 OK SK
 Net appears to have closed down with SK and switch off of W Markers - Nil heard 1900Z

8029 kHz, 20-03

0640 W Markers
 0647 E5JI DE TRL5 QSA 3 K
 0707 E5JI DE TRL5 QRV K
 0708 E5JI DE TRL5 = 244 024 724 128 096 K
 0720 W Markers
 0753 IMAR DE TRL5
 TRL5 QRV K
 0754 TRL5 = 434 770 033 413 485 C ? K
 0800 W Markers
 0803 E5JI DE TRL5 QRV K
 0804 TRL5 = 244 770 724 413 181 C ? K

8029 kHz, 21-03

1120 W-markers also at 1220, 1240, 1300
 1200 WBPZ DE TRL5 K
 1203 WBPZ DE TRL5 QSA? K
 1204 WBPZ DE TRL5 OK K

8029 kHz, 22-03

0740 W Markers
 0743 PNS2 DE TRL5 K. QRV K. RPT K
 0746 TRL5 = 301 830 500 6.3 760 2.. 017 C ? K
 0747 TRL5 QRV K
 0748 TRL5 = .01 209 092 603 05. 992 459 C ? K
 0800 W Markers

Traffic between 8029/8179 kHz, 25-03

8029 W Markers at 1200, 1420, 1440, 1520, 1540, 1640, 1700, 1720, 1740, 1920 UTC
 8029 1924 PNS2 DE TRL5 K
 8170 1924 TRL5 DE PNS2 QSA? K
 TRL5 QSA 2 K
 TRL5 DE PNS2 QSA 5 K
 1926 TRL5 OK K
 8170 2008 TRL5 DE G7SG K
 8029 2008 TRL5 K
 (G7SG) QTC K
 TRL5 QRV K
 G7SG = 794 402 237 050 404 260 953 K
 TRL5 = 795 402 237 050 404 260 953 C ? K
 (G7SG) GR 1 = 794 K
 TRL5 = 794 402 237 050 404 260 953 C ? K
 2011 (G7SG) RK

8029 kHz, 26-03, Z Markers at 2140, 2200, 2220 UTC
8029 kHz, 26-03, W Markers at 1840, 1900, 1940, 2000, 2021 UTC

Traffic between 8029 and 8170 kHz, 26-03

8170 1817 TRL5 DE IMAR K
 8029 1818 IMAR DE TRL5 K
 TRL5 DE IMAR QSA 2 K
 (TRL5) QSA 4 K
 DE IMAR QSA 2 K
 (TRL5) QSA 3 K
 1829 (IMAR) OK K
 8170 1906 TRL5 DE IMAR QTC K
 1907 TRL5 DE IMAR GUHOR BLIND = 730 237 724 551 750 K *)
 8029 1907 RPT K
 8029 1924 PNS2 DE TRL5 K
 8170 1924 TRL5 DE PNS2 QSA ? K
 TRL5 QSA 2 K
 TRL5 DE PNS2 QSA 5 K
 1926 TRL5 OK K
 8170 2008 TRL5 DE G7SG K
 8029 2008 TRL5 K
 (G7SG) QTC K
 TRL5 QRV K
 G7SG = 794 402 237 050 404 260 953 K
 TRL5 = 795 402 237 050 404 260 953 C ? K
 (G7SG) GR 1 = 794 K
 TRL5 = 794 402 237 050 404 260 953 C ? K
 2011 (G7SG) RK
 8170 2140 TRL5 DE G7SG K
 8029 2140 G7SG DE TRL5 K
 (G7SG) QTC K
 TRL5 QRV K
 G7SG = 435 892 407 405 413 182 842 K
 (TRL5) RPT K
 G7SG = 435 892 407 405 413 182 842 K

TRL5 = 435 892 407 405 413 182 842 C ? K
(G7SG) RK @2144Z

8170 2207 TRL5 DE G7SG K
8029 2207 TRL5 K
(G7SG) QTC K
(TRL5) QRV K
2209 G7SG 264 266 467 536 561 318 953 K
2210 TRL5 OK = 264 266 467 536 561 318 953 K
(G7SG) RK

8029 kHz, 26-03 "W" and "Z" markers at 2300, 2340 UTC
5620 kHz, 26-03 "W" and "Z" markers at 2300, 2340 UTC

8170 kHz, 26-03, 2345 UTC 8BOZ DE PNS2 QTC K
8029 kHz, 26-03, 2345 UTC PNS2 DE 8BOZ QRV K

***) Note from Tom**

First time I've seen GUHOR (nothing heard) in a purely military message.
Over the years I've heard it quite a few times on Soviet/Russian mil nets.
I also copied it last year on the Tu-95MS Bear net with call sign DIHI on 8170 KHz
"DE DIHI GUHOR BLIND = 566 263 704 388 060 K RPT = 566 263 704 388 060 K" (see N&O 186)

Stories from the Veteran Siginters during the Cold War.

GUHOR was a widely used word, possibly a "technical" word translating to "I cannot hear you".. Russian Military CW Radio operators used it extensively....

It even became an ASA word for a deciphering device (breaking Russian Military Callsigns to the number of one of some 25 call sign books used by Russian Military for years.. the device, known during my ASA days as simply, the "Slip Stick", became known later as the "Guhor Stick"..'

<https://groups.yahoo.com/neo/groups/armysecurityagencyvets/conversations/topics/80410?var=1>

'The Russian word "Guhor" was sent a lot when traffic was idle and it didn't mean anything, like our QSA (how is my signal strength) QRK (how do you read me?) It was just idle chatter between operators, but we came to call the commies "Guhors." (Pronounced Goo-Whores," and sometimes we just called them Whores.)'

<https://www.sites.google.com/a/pdx.edu/don-l-dupay/hey-where-s-my-hat>

The Guhor Stick was also a feature of the SIGINT world.

http://www.nsa.gov/public_info/files/cryptologs/cryptolog_127.pdf

Regards
Tom



EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Logs submitted by David, Ary, John, Jeff,

Frequencies; 8992, 11175, 13200, 15016 kHz

02-03 1157 Mainsail. Skyking MGX 57 JC
06-03 1404 Mainsail EAM: LLAYW2FHZT6IHGY3CPCTFPDIXTLDAW
08-03 1101 IV2 01 EW Mainsail Skyking DNA
1118 WZ5 18 PM Mainsail Skyking DNA
1118 I?JV 18 PM Mainsail Skyking DNA
1127 BDI 27 OX Mainsail Skyking DNA
1128 B27 28 B? Mainsail Skyking DNA

1204 6HYP66 Mainsail 121 chr EAM
1318 JW6 18 ZF Mainsail Skyking DNA
1401 BIZWAF Mainsail for TIKI 30 chr EAM
1418 WWT 18 EZ Mainsail Skyking DNA
1430 LLQISH Mainsail 30 chr EAM
1432 BI2TJ4 Mainsail for TIKI 30 chr EAM
1450 BIFWUP Mainsail for ELEGY? 30 chr EAM
1500 LLQISH repeat
1522 BIMT3S Mainsail 50 chr EAM
1530 LLQISH repeat
1531 BINKNV Mainsail for PROPHET for ?? 30 chr EAM
1551 BIM5BC Mainsail 34 chr EAM
1558 BIRT32 Mainsail 30 chr EAM
1627 MJH 23 NI Mainsail Skyking DNA
1630 LLVLRM Mainsail 30 chr EAM
1632 BIM5BC repeat
1636 LLWWU3 Mainsail 30 chr EAM
1638 LLLHCM Mainsail 30 chr EAM
1643 LLLVWP Mainsail 30 chr EAM
1700 LLLVWP, LLLHCM and LLWWU3 repeats
1703 LLB24A Mainsail 30 chr EAM
1745 BIK5JM Mainsail for ?? 30 chr EAM
1817 LLH6XA Mainsail 30 chr EAM
1819 LLJB75 Mainsail 30 chr EAM
1821 LLAGQ5 Mainsail 30 chr EAM
1825 LLAGQ5 repeat
1830 LLAGQ5, LLJB75 and LLH6XA repeats
1852 LL74IG Mainsail 30 chr EAM
1854 LLYMOA Mainsail 30 chr EAM
1900 LLYMOA, LL74IG and LLAGQ5 repeats
1918 NCL 18 ZF Mainsail Skyking DNA(note same authentication as 1318 msg)
1923 TQF 23 ST Mainsail Skyking DNA
1948 LLZVK4 Mainsail 30 chr EAM
2041 ZUG 41 MI Mainsail Skyking DNA
2047 BOUNL Mainsail for ?? 30 chr EAM
09-03 1855 BIQ2NA 30 char message for PRETTY. Also heard this callsign approx 10 min earlier when setting up.
1914 BIDGH4 started a 39 character message however "disregard" sent before finished
1915 SKYKING DNA P6X T15 VO
1916 BIDGH4 39 character message from MAINSAIL
1918 SKYKING DNA WGF T18 RQ
1949 LLYAUY 30 char message.
2021 BIA6BO 30 char message for PRETTY
2051 BII4VA 30 chars either for PRETTY
11-03 0545 RAFTMAN BIJXCF 39-character EAM
1800 EAM message header LLLHCM
22-03 1659 USAF EAM For Alvin: OTOJOQ RXDWJAEXIFOFKUEUCKKIVIT
1701 USAF Mainsail EAM For Docker Team (?): OTN6EP HF WJPPVR7UEXUZLCYGECY7Q5
1713 USAF Mainsail EAM: DXAGBE DACIPH6YQVUKCWDLSGSPDWZP

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|-------------|
| E07a | 11133 | 1-3-2014 | 0900 | Sat | 114 1 13723 2370 77 54876 | USB | (HFD) |
| E07a | 12133 | 1-3-2014 | 0920 | Sat | 114 1 13723 | USB | (HFD) |
| E07a | 13433 | 1-3-2014 | 0940 | Sat | 114 1 13723 | USB | (HFD) |
| E07a | 5864 | 5-3-2014 | 2100 | Wed | 815 1 39299 4330 53 37517 | USB | (HFD) |
| E07a | 5864 | 5-3-2014 | 2100 | Wed | 815 1 39299 4330 53 37517 99642 68239 ... 73995 10214 52274 000 000 | USB | (Spec) |
| E07a | 5164 | 5-3-2014 | 2120 | Wed | 815 1 39299 | USB | (HFD) |
| E07a | 5164 | 5-3-2014 | 2120 | Wed | 815 1 39299 4330 53 37517 99642 68239 ... 73995 10214 52274 000 000 | USB | (Spec) |
| E07a | 4564 | 5-3-2014 | 2140 | Wed | 815 1 39299 | USB | (HFD) |
| E07a | 4564 | 5-3-2014 | 2140 | Wed | 815 1 39299 4330 53 37517 99642 68239 ... 73995 10214 52274 000 000 | USB | (Spec) |
| E07a | 11473 | 7-3-2014 | 1610 | Fri | 413 0 | USB | (HFD) |
| E07a | 10173 | 7-3-2014 | 1631 | Fri | 413 0 | USB | (HFD) |
| E07a | 5864 | 12-3-2014 | 2100 | Wed | 815 815 815 000 | USB | (RWO) |
| E07a | 5146 | 20-3-2014 | 0530 | Thu | 188 0 | USB | (HFD) |
| E07a | 5846 | 20-3-2014 | 0550 | Thu | 188 0 | USB | (HFD) |
| E07a | 11133 | 22-3-2014 | 0900 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 12113 | 22-3-2014 | 0900 | Sat | 114 114 114 000 | USB | (AB) |
| E11 | 15632 | 2-3-2014 | 1540 | Sun | 228/00 | USB | (pjen) |
| E11 | 15915 | 2-3-2014 | 1540 | Sun | 228/00 | USB | (HFD) |
| E11 | 10690 | 3-3-2014 | 0840 | Mon | in progress | USB | (NC) |
| E11 | 14972 | 4-3-2014 | 1300 | Tue | 133/00 | USB | (HFD) |
| E11 | 14972 | 5-3-2014 | 0317 | Wed | 133/00 | USB | (MH2) |
| E11 | 9399 | 5-3-2014 | 0900 | Wed | 534/00 | USB | (HFD) |
| E11 | 7449 | 5-3-2014 | 1045 | Wed | 469/00 | USB | (HFD) |
| E11 | 15915 | 5-3-2014 | 1155 | Wed | 718/00 | USB | (HFD) |
| E11 | 4909 | 5-3-2014 | 1445 | Wed | 287/00 | USB | (HFD) |
| E11 | 10800 | 6-3-2014 | 0645 | Thu | 517/00 | USB | (HFD) |
| E11 | 14575 | 6-3-2014 | 0745 | Thu | 335/00 | USB | (HFD) |
| E11 | 9371 | 6-3-2014 | 1730 | Thu | 416/00 | USB | (HFD) |
| E11 | 15915 | 7-3-2014 | 0545 | Fri | 348/00 | USB | (HFD) |
| E11 | 10221 | 7-3-2014 | 0710 | Fri | 633/00 | USB | (HFD) |
| E11 | 10690 | 7-3-2014 | 0832 | Fri | 649/33 Attention ... | USB | (linkz) |
| E11 | 13375 | 7-3-2014 | 1110 | Fri | 953/30 13014 | USB | (HFD) |
| E11 | 4909 | 8-3-2014 | 0900 | Sat | 248/00 | USB | (HFD) |
| E11 | 10213 | 8-3-2014 | 1705 | Sat | 391/30 29608 | USB | (HFD) |
| E11 | 15915 | 10-3-2014 | 1540 | Mon | 228/00 | USB | (GHn) |
| E11 | 10221 | 11-3-2014 | 0710 | Tue | 633/00 | USB | (VH) |
| E11 | 8186 | 15-3-2014 | 2005 | Sat | 369/00 | USB | (VH) |
| E11 | 15915 | 16-3-2014 | 1540 | Sun | 228/00 | USB | (GHn) |
| E11 | 8102 | 18-3-2014 | 1045 | Tue | 576/00 | USB | (HFD) |
| E11 | 7850 | 19-3-2014 | 0315 | Wed | 253/00 | USB | (VH) |
| E11 | 14972 | 19-3-2014 | 1300 | Wed | 133/00 | USB | (VH) |
| E11 | 15915 | 20-3-2014 | 1155 | Thu | 717/33 Attention 63015 00716 26054 ... 91940 13015 71812 Attention, msg rptd, out | USB | (AB/VH) |
| E11 | 9371 | 20-3-2014 | 1730 | Thu | 416/022 | USB | (JE-HOL) |
| E11 | 10690 | 21-3-2014 | 0830 | Fri | 649/00 | USB | (AB) |
| E11 | 7377 | 21-3-2014 | 2000 | Fri | 576/00 | USB | (AB/JE-MB) |
| E11 | 8186 | 22-3-2014 | 2005 | Sat | 369/00 | USB | (JE-HOL) |
| E11 | 7850 | 27-3-2014 | 0315 | Thu | 253/00 | USB | (HFD) |
| E11 | 9371 | 27-3-2014 | 1730 | Thu | 416/00 | USB | (GHn) |
| E11 | 4909 | 29-3-2014 | 1445 | Sat | 287/00 | USB | (VH) |
| E11 | 12229 | 1-4-2014 | 1302 | | 133/00 | USB | (AAI) |
| E11a | 13455 | 1-3-2014 | 1810 | Sat | 985/10 Attention 43142 46789 57786 53840 42538 91438 63690 92735 72292 61908 Attention, rpt msg, out | USB | (RWO) |
| E11a | 13455 | 1-3-2014 | 1810 | Sat | 985/10 Attention 43142 46789 57786 53840 42538 91438 63690 92735 72292 61908 | USB | (Spec) |
| E11a | 13375 | 4-3-2014 | 1400 | Tue | 987/10 85416 | USB | (HFD) |
| E11a | 13375 | 4-3-2014 | 1400 | Tue | 987/10 Attention 85416 63960 20452 70069 12877 45443 76019 46166 69255 99729 | USB | (Spec) |
| E11a | 9079 | 6-3-2014 | 0820 | Thu | 434/34 26148 | USB | (HFD) |
| E11a | 10690 | 7-3-2014 | 0830 | Fri | 649/33 02691 | USB | (HFD) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|-------------------|
| E11a | 5194 | 7-3-2014 | 1710 | Fri | 957/30 Attention 77843 77843 01701 ... 61466 57031 83996 attention, msg rptd, out | USB | (GHn) |
| E11a | 5194 | 7-3-2014 | 1710 | Fri | 957/30 77843 | USB | (HFD) |
| E11a | 5194 | 7-3-2014 | 1710 | Fri | 957/30 Attention 77845 01701 35975 ... 61466 57031 83996 | USB | (Spec) |
| E11a | 7377 | 7-3-2014 | 2000 | Fri | 574/38 79010 | USB | (HFD) |
| E11a | 13375 | 8-3-2014 | 1400 | Sat | 988/10 Attention 91503 21818 32242 30217 11223 71969 77013 91152 36860 00780 | USB | (Spec) |
| E11a | 13455 | 8-3-2014 | 1800 | Sat | 985/10 Attention 87969 62787 54873 21283 90561 29419 51626 07187 73073 76432 Attention, msg rptd, out | USB | (RWO) |
| E11a | 13455 | 8-3-2014 | 1810 | Sat | 985/10 87969 | USB | (HFD) |
| E11a | 13455 | 8-3-2014 | 1810 | Sat | 985/10 attention 87969 62787 54873 21283 90561 29419 51626 07187 73073 76432 | USB | (Saber) |
| E11a | 13455 | 8-3-2014 | 1810 | Sat | 985/10 Attention 87969 62787 54873 21283 90561 29419 51626 07187 73073 76432 | USB | (Spec) |
| E11a | 15912 | 9-3-2014 | 1540 | Sun | 222/32 Attention 74674 57295 99442 ... 68408 40590 17098 Attention, msg rptd, out | USB | (Avare/RWO) |
| E11a | 15915 | 9-3-2014 | 1540 | Sun | 222/32 Attention 74874 57295 99442 ... 68408 40590 17098 | USB | (Spec) |
| E11a | 13375 | 10-3-2014 | 1110 | Mon | 952/31 952/31 952/31 952 off back with 42553 91885 75345 ... 10357 76562 83088 Out. Incomplete msg | USB | (Avare) |
| E11a | 9371 | 13-3-2014 | 1730 | Thu | 414/33 attention 17170 81485 29195 ... 86503 79143 71466 attention, msg rptd, out | USB | (RWO) |
| E11a | 9371 | 13-3-2014 | 1730 | Thu | 414/33 Attention 17170 81485 29195 ... 86503 79143 71466 | USB | (Spec) |
| E11a | 5194 | 14-3-2014 | 1820 | Fri | 953/24 attention 70676 78274 59209 ... 02618 76410 57009 Attention, msg rptd, out | USB | (RWO) |
| E11a | 13375 | 15-3-2014 | 1400 | Sat | 983/10 attention 97667 40444 93433 ... 33871 attention, msg rptd, out | USB | (RWO) |
| E11a | 4909 | 15-3-2014 | 1445 | Sat | 281/35 attention 14674 14963 25165 ... 96232 83360 49277 attention, msg rptd, out | USB | (RWO) |
| E11a | 15915 | 19-3-2014 | 1155 | Wed | 717/33 Attention 63015 00716 26054 ... 91940 13015 71812 | USB | (Spec) |
| E11a | 13375 | 21-3-2014 | 1110 | Fri | 956/40 Attention 44531 65760 76122 ... 87690 20303 51281 Attention, rpt msg, out | USB | (AB) |
| E11a | 5194 | 21-3-2014 | 1710 | Fri | 959/25 attention 29145 32177 94528 ... 57543 63768 99576" | USB | (JE2-HOL) |
| E11a | 5194 | 28-3-2014 | 1710 | Fri | 957/29 Attention 97732 32722 89863 ... 09670 06445 02698 attn, msg rptd, out | USB | (JE-MB) |
| E11a | 13375 | 29-3-2014 | 1400 | Sat | 987/10 Attention 85692 02457 81602 29221 32512 05627 40061 65288 74108 89313 attention, msg rptd, out | USB | (VH) |
| E11a | 13455 | 29-3-2014 | 1810 | Sat | 986/10 Attention 72637 93545 31344 81516 24754 45089 51485 19536 23663 96772 attn, msg rptd, out | USB | (GHn) |
| E17z | 14260 | 6-3-2014 | 0800 | Thu | 674 918 5 46062 | USB | (HFD) |
| E17z | 12930 | 6-3-2014 | 0810 | Thu | 674 | USB | (HFD) |
| E25 | 9450 | 8-3-2014 | 1120 | Sat | test tones and music: Enta Omri | AM | (AnEur) |
| E25 | 18240 | 26-3-2014 | 0846 | Wed | YL: 165 MESSAGE 4042 7170 1764 5856 0776 5585 5169 REPEAT 4042 7170 1764 5856 0776 5585 5169 EOM EOT | AM | (PH) |
| E907b | 10250 | 5-3-2014 | 1953 | Wed | 456 456 456 1 123 9233 29 9233 29 42854 72637 8 stopped | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2013 | Wed | 456 456 456 1 123 42854 72637 83220 31425 ... 27562 20668 04746 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2018 | Wed | 456 456 456 1 123 64886 11767 24458 80561 56377 43615 57078 27562 20668 04746 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2025 | Wed | 123 123 123 1 334 4726 24 86414 44323 40722 ... 18125 27030 55706 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2033 | Wed | 123 123 123 1 334 4726 24 86414 44323 40722 ... 18125 27030 55706 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2048 | Wed | 123 123 123 1 334 7011 26 40731 16317 81221 ... 11213 60318 78266 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2056 | Wed | 123 123 123 1 334 7011 26 40731 16317 81221 ... 63430 24220 01833 026 stopped | USB | (AB/Dude/RiN) |
| E907b | 10250 | 5-3-2014 | 2100 | Wed | 123 123 123 1 334 07628 07107 77828 77643 ... 11213 60318 78266 000 000 | USB | (AB/Dude/RiN) |
| E907b | 10250 | 13-3-2014 | 2137 | Thu | 667 667 667 1 329 3842 29 3842 29 60077 46642 87251 ... 18501 58800 27387 000 000 | USB | (Danix) |
| E907b | 10256 | 13-3-2014 | 2151 | Thu | 667 667 667 1 329 3842 29 3842 29 60077 46642 87251 ... 18501 58800 27387 000 000 | USB | (Danix/GT) |
| E907b | 10250 | 13-3-2014 | 2200 | Thu | 667 1 329 3842 29 3842 29 60077 46642 87251 ... 18501 58800 27387 000 000 | USB | (RWO) |
| E907b | 10250 | 13-3-2014 | 2200 | Thu | 667 667 667 1 329 3842 29 3842 29 60077 46642 87251 ... 18501 58800 27387 000 000 | USB | (RWO/GT) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|----------------------------|---------------|
| E907b | 10250 | 13-3-2014 | 2200 | Thu | 667 1 329 3842 29 46607 46642 87251 ... 18501 58800 27387 000 000 | USB | (Spec) |
| E907b | 10250 | 16-3-2014 | 1048 | Sun | 123 1 456 17 18005 61165 60719 ... 60414 94106 84028 123 123 123 1 000 000 | USB | (Avare) |
| E907b | 10250 | 16-3-2014 | 1140 | Sun | 123 1 456 17 18005 61165 60719 ... 60414 94106 84028 123 123 123 1 000 000 | USB | (Avare) |
| E907b | 11480 | 16-3-2014 | 1144 | Sun | 123 1 456 17 18005 61165 60719 ... 60414 94106 84028 123 123 123 1 000 000 | USB | (Avare) |
| EGY | 6790 | 26-2-2014 | 1917 | Wed | 1: Egyptian embassy Algiers fc to MFA Cairo | SITOR-A 100/170 + Codan 16 | (PPA) |
| EGY | 6780 | 27-2-2014 | 2011 | Thu | 99909: MFA Cairo clg TVVK embassy Rabat (CHIRP call 3) | SITOR-A 100/170 | (PPA) |
| EGY | 19346.7 | 5-3-2014 | 0817 | Wed | MFA Cairo clg OOVV embassy Islamabad | Sitor-A 100/170 | (PH) |
| EGY | 20126.7 | 5-3-2014 | 0905 | Wed | MFA Cairo clg KKVU embassy Accra | Sitor-A 100/170 | (PH) |
| EGY | 19101.7 | 5-3-2014 | 0907 | Wed | MFA Cairo (99906) clg embassy Luanda (33313) | Codan Chirp | (PH) |
| EGY | 14516.7 | 8-3-2014 | 0803 | Sat | Egyptian embassy, traffic to Cairo jg fljk kds kdjfqoh | SITOR-A 100/170 | (PPA) |
| EGY | 19346.7 | 10-3-2014 | 0822 | Mon | MFA Cairo calling OOVV: embassy Islamabad | Sitor-A 100/170 | (PH) |
| EGY | 20126.7 | 10-3-2014 | 0855 | Mon | MFA Cairo calling KKXE: embassy Luanda | Sitor-A 100/170 | (PH) |
| EGY | 19101.7 | 10-3-2014 | 0857 | Mon | MFA Cairo calling OOVK: embassy Jakarta | Sitor-A 100/170 | (PH) |
| EGY | 16222 | 16-3-2014 | 0914 | Sun | MFA Cairo clg XBVK, embassy Bern | SITOR-A 100/170 | (PPA) |
| EGY | 19246.7 | 16-3-2014 | 1804 | Sun | Egyptian Embassy Bamako with hex offline crypto to MFA Cairo headed "jg: ykjkwl" | SITOR-A 100/170 | (MCO) |
| EGY | 19163.7 | 17-3-2014 | 0754 | Mon | MFA Cairo clg OOVC, embassy New Dehli | SITOR-A 100/170 | (PH) |
| EGY | 19593.7 | 17-3-2014 | 0802 | Mon | MFA Cairo clg OOVF, embassy Pyongyang | SITOR-A 100/170 | (PH) |
| EGY | 18418.7 | 17-3-2014 | 1124 | Mon | MFA Cairo clg KKXD, embassy Djibuti | SITOR-A 100/170 | (PH) |
| EGY | 18028.7 | 19-3-2014 | 0725 | Wed | MFA Cairo clg OOVS, embassy Kuala Lumpur | SITOR-A 100/170 | (PH) |
| EGY | 19067.7 | 19-3-2014 | 0812 | Wed | MFA Cairo clg KXXB, embassy Kinshasa | SITOR-A 100/170 | (PH) |
| EGY | 19523.7 | 19-3-2014 | 0835 | Wed | MFA Cairo clg OOVS, embassy Beijing | SITOR-A 100/170 | (PH) |
| EGY | 10222 | 21-3-2014 | 2006 | Fri | MFA Cairo clg IPTX, embassy Havanna | SITOR-A 100/170 | (PPA) |
| G06 | 4569 | 3-3-2014 | 1625 | Mon | Two test messages mixing: 01234 56789 | AM | (Avare) |
| G06 | 6982 | 7-3-2014 | 2100 | Fri | 167 167 167 00000 | AM | (CS) |
| G06 | 6774 | 10-3-2014 | 0800 | Mon | 215 0 | USB | (HFD) |
| G06 | 4569 | 10-3-2014 | 1700 | Mon | 564 0 | USB | (HFD) |
| G06 | 5424 | 10-3-2014 | 1800 | Mon | 564 0 | USB | (HFD) |
| G06 | 4526 | 13-3-2014 | 1300 | Thu | 215 0 | USB | (HFD) |
| G06 | 5934 | 14-3-2014 | 1830 | Fri | 579 231 20 14259 break 579 231 20 14259 | USB | (HFD) |
| G06 | 5422 | 14-3-2014 | 1930 | Fri | 479 479 479 repeated for 3m54s, then changed to 475 422 532 532 20 20 06132 75514 79681 ... 49870 63962 04884 532 532 20 20 00000 | AM | (GHn/AB/RW O) |
| G06 | 5442 | 20-3-2014 | 1930 | Thu | 947 532 20 06132 | USB | (HFD) |
| G06 | 9226 | 21-3-2014 | 2000 | Fri | 167 167 167 00000 | USB | (AB) |
| G06 | 5934 | 27-3-2014 | 1830 | Thu | 579 231 20 14259 22676 32782 ... 73311 98089 12252 231 20 00000 | USB | (Avare) |
| HM01 | 11435 | 1-3-2014 | 1603 | Sat | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11530 | 1-3-2014 | 1700 | Sat | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 1-3-2014 | 1800 | Sat | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 16180 | 1-3-2014 | 2108 | Sat | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 17480 | 1-3-2014 | 2201 | Sat | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11435 | 2-3-2014 | 1604 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11530 | 2-3-2014 | 1703 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 2-3-2014 | 1800 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 2-3-2014 | 2101 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 10715 | 2-3-2014 | 2158 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 10715 | 2-3-2014 | 2230 | Sun | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (Dan) |
| HM01 | 11435 | 3-3-2014 | 1603 | Mon | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11530 | 3-3-2014 | 1708 | Mon | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 3-3-2014 | 1801 | Mon | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 3-3-2014 | 2100 | Mon | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 10715 | 3-3-2014 | 2200 | Mon | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch/Dan) |
| HM01 | 11435 | 4-3-2014 | 1603 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 4-3-2014 | 1800 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 16180 | 4-3-2014 | 2100 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (Dan) |
| HM01 | 16180 | 4-3-2014 | 2107 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 17480 | 4-3-2014 | 2200 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (Dan) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|---------|---------------|
| HM01 | 17480 | 4-3-2014 | 2200 | Tue | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11435 | 5-3-2014 | 1604 | Wed | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11530 | 5-3-2014 | 1710 | Wed | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 5-3-2014 | 1801 | Wed | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11635 | 5-3-2014 | 2103 | Wed | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 10715 | 5-3-2014 | 2201 | Wed | 83522 76105 65312 66784 17704 28278 | AM/RDFT | (DSch) |
| HM01 | 11530 | 6-3-2014 | 1752 | Thu | 53715 86552 83465 16513 15346 40874 | AM/RDFT | (DSch) |
| HM01 | 7555.1 | 6-3-2014 | 2002 | Thu | YL/SS in LSB Announces 3 groups 80362 08002 16122 followed by uncopied digit). Then 5F grps | AM/RDFT | (DSch) |
| HM01 | 16181.3 | 6-3-2014 | 2100 | Thu | Off freq. 53715 86552 83465 16513 15346 40874 | AM/RDFT | (DSch) |
| HM01 | 17480 | 6-3-2014 | 2200 | Thu | 40874 then stops. Restarts with 53715 86552 83465 16513 15346 40874 | AM/RDFT | (DSch) |
| HM01 | 11435 | 7-3-2014 | 1607 | Fri | 63382 86557 11874 16517 74852 40878 | AM/RDFT | (DSch) |
| HM01 | 11530 | 7-3-2014 | 1701 | Fri | 63382 86557 11874 16517 74852 40878 | AM/RDFT | (DSch) |
| HM01 | 11635 | 7-3-2014 | 1800 | Fri | 63382 86557 11874 16517 74852 40878 | AM/RDFT | (DSch) |
| HM01 | 11635 | 7-3-2014 | 2105 | Fri | 63382 86557 11874 16517 74852 40878 | AM/RDFT | (DSch) |
| HM01 | 10715 | 7-3-2014 | 2200 | Fri | 54471 87011 83871 15612 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 11435 | 8-3-2014 | 1603 | Sat | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 11635 | 8-3-2014 | 1603 | Sat | 54471 87011 83871 16512 48161 18821. Now on the right freq but group announcements messed up, stops and starts again with 54471 etc at 1804 UTC | AM/RDFT | (DSch) |
| HM01 | 11530 | 8-3-2014 | 1658 | Sat | 54471 87011 83871 16512 48161 18821. Still going at 1759. Should be on 11635 kHz | AM/RDFT | (DSch) |
| HM01 | 16180 | 8-3-2014 | 2100 | Sat | Group announcements messed up. | AM/RDFT | (DSch) |
| HM01 | 17480 | 8-3-2014 | 2203 | Sat | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 9330 | 9-3-2014 | 0729 | Sun | 54471 87011 83871 16512 48161 18821. After 15 secs same msg started again overlapping the first one | AM/RDFT | (Danix/Avare) |
| HM01 | 9930 | 9-3-2014 | 0730 | Sun | Messed up transmission 011 83871 83871 16512 16512 48161 etc mixng with RDFT | AM/RDFT | (RWO) |
| HM01 | 9330 | 9-3-2014 | 0736 | Sun | YL w/ usual 5FGs interspersed w/ RDFT xmns | AM/RDFT | (VH) |
| HM01 | 9065 | 9-3-2014 | 0759 | Sun | YL w/ 5FGs & RDFT xmns | AM/RDFT | (VH) |
| HM01 | 9065 | 9-3-2014 | 0800 | Sun | Again 2 mixed messages | AM/RDFT | (Avare) |
| HM01 | 11435 | 9-3-2014 | 1611 | Sun | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 11530 | 9-3-2014 | 1719 | Sun | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 11635 | 9-3-2014 | 1802 | Sun | 54471 announcements messed up, then 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 11635 | 9-3-2014 | 2104 | Sun | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch) |
| HM01 | 10715 | 9-3-2014 | 2200 | Sun | 54471 87011 83871 16512 48161 18821 | AM/RDFT | (DSch/Dan) |
| HM01 | 11435 | 10-3-2014 | 1602 | Mon | 54472 87012 83872 16513 48162 18822 (The announced groups were messed up for a while) | AM/RDFT | (DSch) |
| HM01 | 11530 | 10-3-2014 | 1700 | Mon | 54472 87012 83872 16513 48162 18822 | AM/RDFT | (DSch) |
| HM01 | 11635 | 10-3-2014 | 1800 | Mon | 54472 87012 83872 16513 48162 18822 | AM/RDFT | (DSch) |
| HM01 | 10715 | 10-3-2014 | 2200 | Mon | 54472 87012 83872 16513 48162 18822 | AM/RDFT | (DSch) |
| HM01 | 5855 | 12-3-2014 | 0540 | Wed | 5FGS + RDFT data | AM/RDFT | (13CR) |
| HM01 | 10345 | 12-3-2014 | 0600 | Wed | 5FGS + RDFT data | AM/RDFT | (13CR) |
| HM01 | 9240 | 12-3-2014 | 0900 | Wed | 63382 86557 11874 16517 74852 40878 | AM/RDFT | (Dan) |
| HM01 | 11635 | 12-3-2014 | 1800 | Wed | 00702 21742 60212 82672 48164 21042 | AM/RDFT | (DSch) |
| HM01 | 16180 | 13-3-2014 | 2100 | Thu | 18622 21743 60213 37852 48167 21043 | AM/RDFT | (DSch) |
| HM01 | 11530 | 14-3-2014 | 1705 | Fri | 18622 etc | AM/RDFT | (DSch) |
| HM01 | 11635 | 14-3-2014 | 2059 | Fri | 63382 86557 11874 165517 74852 40878 | AM/RDFT | (DSch) |
| HM01 | 16179 | 15-3-2014 | 2100 | Sat | | AM/RDFT | (PU2OON) |
| HM01 | 9065 | 16-3-2014 | 0816 | Sun | i.p. Spanish YL 5FGs 36472, 02562, 09242 + RDFT | AM/RDFT | (PPA) |
| HM01 | 10715 | 17-3-2014 | 2200 | Mon | 02564 20884 76284 32044 07244 32474 | AM/RDFT | (Dan) |
| HM01 | 11435 | 18-3-2014 | 1603 | Tue | 76285 32045 32475 02565 20885 | AM/RDFT | (DSch) |
| HM01 | 11530 | 18-3-2014 | 1700 | Tue | 76285 32045 32475 02565 20885 | AM/RDFT | (DSch) |
| HM01 | 11635 | 18-3-2014 | 1800 | Tue | 76285 32045 32475 02565 20885 | AM/RDFT | (DSch) |
| HM01 | 16180 | 18-3-2014 | 2101 | Tue | 76285 32045 32475 02565 20885 | AM/RDFT | (DSch) |
| HM01 | 5855 | 19-3-2014 | 0600 | Wed | 76285 32045 07245 32475 02565 26885 | AM/RDFT | (KC2TTK) |
| HM01 | 11435 | 19-3-2014 | 1625 | Wed | 05001 32046 07246 10601 02566 20886 | AM/RDFT | (DSch) |
| HM01 | 11530 | 19-3-2014 | 1702 | Wed | 05001 32046 07246 10601 02566 20886 | AM/RDFT | (DSch) |
| HM01 | 11635 | 19-3-2014 | 1800 | Wed | 05001 32046 07246 10601 02566 20886 | AM/RDFT | (DSch) |
| HM01 | 11635 | 19-3-2014 | 2104 | Wed | 05001 32046 07246 10601 02566 20886 | AM/RDFT | (DSch) |
| HM01 | 11435 | 20-3-2014 | 1602 | Thu | 05002 10631 07247 10602 20887 | AM/RDFT | (DSch) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|---------|-------------|
| HM01 | 11530 | 20-3-2014 | 1707 | Thu | 05002 10631 07247 10602 20887 | AM/RDFT | (DSch) |
| HM01 | 11635 | 20-3-2014 | 1800 | Thu | 05002 10631 07247 10602 20887 | AM/RDFT | (DSch) |
| HM01 | 16180 | 20-3-2014 | 2145 | Thu | 05002 10631 07247 10602 20887 | AM/RDFT | (DSch) |
| HM01 | 11635 | 21-3-2014 | 0559 | Fri | 05002 10631 14640 10602 95720 20887 | AM/RDFT | (KC2TTK) |
| HM01 | 11635 | 21-3-2014 | 1817 | Fri | 05002 10631 07247 10602 02567 20887 | AM/RDFT | (DSch) |
| HM01 | 11635 | 21-3-2014 | 2111 | Fri | 05002 10631 07247 10602 02567 20887 | AM/RDFT | (DSch) |
| HM01 | 10715 | 21-3-2014 | 2200 | Fri | 05002 10631 14640 10602 95720 20887 | AM/RDFT | (Dan) |
| HM01 | 11435 | 22-3-2014 | 1602 | Sat | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (DSch) |
| HM01 | 11530 | 22-3-2014 | 1700 | Sat | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (DSch) |
| HM01 | 11635 | 22-3-2014 | 1800 | Sat | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (DSch) |
| HM01 | 16180 | 22-3-2014 | 2100 | Sat | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (Dan) |
| HM01 | 17480 | 22-3-2014 | 2249 | Sat | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (DSch) |
| HM01 | 5855 | 23-3-2014 | 0500 | Sun | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (KC2TTK) |
| HM01 | 10345 | 23-3-2014 | 0600 | Sun | 05003 10632 14641 10603 95721 20888 | AM/RDFT | (KC2TTK) |
| HM01 | 9065 | 23-3-2014 | 0802 | Sun | Spanish numbers | AM/RDFT | (GS) |
| HM01 | 11435 | 23-3-2014 | 1600 | Sun | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 11530 | 23-3-2014 | 1700 | Sun | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 11635 | 23-3-2014 | 1757 | Sun | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 11635 | 23-3-2014 | 2103 | Sun | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 10715 | 23-3-2014 | 2208 | Sun | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 11635 | 24-3-2014 | 1800 | Mon | 05004 10633 14642 10604 95722 20889 | AM/RDFT | (DSch) |
| HM01 | 11635 | 24-3-2014 | 2100 | Mon | 05003 10632 14642 10603 95722 20888. Note: This is repeat of groups sent on 22 March | AM/RDFT | (DSch) |
| HM01 | 10715 | 24-3-2014 | 2200 | Mon | 05003 10632 14642 10603 95722 20888. Note: This is repeat of groups sent on 22 March | AM/RDFT | (DSch) |
| HM01 | 11435 | 25-3-2014 | 1600 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) | AM/RDFT | (DSch) |
| HM01 | 11530 | 25-3-2014 | 1730 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) | AM/RDFT | (DSch) |
| HM01 | 11635 | 25-3-2014 | 1801 | Tue | 05003 10632 14642 10603 95722 20888 (Repeating 22 March groups) | AM/RDFT | (DSch) |
| HM01 | 11635 | 25-3-2014 | 2101 | Tue | 05004 10633 14643 10604 95723 20889 (back to 23 March groups) | AM/RDFT | (DSch) |
| HM01 | 17480 | 25-3-2014 | 2200 | Tue | 05004 10633 14643 10604 95723 20889 | AM/RDFT | (DSch/Dan) |
| HM01 | 5855 | 26-3-2014 | 1017 | Wed | 05002 10631 14640 10602 95720 20887 //9155 kHz (Repeat of 20 and 21 March) | AM/RDFT | (DSch) |
| HM01 | 9155 | 26-3-2014 | 1017 | Wed | 05002 10631 14640 10602 95720 20887 //5855 kHz (Repeat of 20 and 21 March) | AM/RDFT | (DSch) |
| HM01 | 11435 | 26-3-2014 | 1618 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) | AM/RDFT | (DSch) |
| HM01 | 11530 | 26-3-2014 | 1708 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) | AM/RDFT | (DSch) |
| HM01 | 11635 | 26-3-2014 | 1800 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) | AM/RDFT | (DSch) |
| HM01 | 11635 | 26-3-2014 | 2039 | Wed | 05004 10633 14643 10604 95723 20889 (Repeat of 23 March) | AM/RDFT | (DSch) |
| HM01 | 10715 | 26-3-2014 | 2159 | Wed | 05005 10634 14644 10605 95724 82131 | AM/RDFT | (DSch) |
| HM01 | 12180 | 27-3-2014 | 1036 | Thu | 05002 10631 14640 10602 95720 20887 (repeat of 21 March groups) | AM/RDFT | (DSch) |
| HM01 | 11635 | 27-3-2014 | 1041 | Thu | 05005 10634 14644 10605 95724 82131 Each group twice then very brief RDFT signals | AM/RDFT | (DSch) |
| HM01 | 11530 | 27-3-2014 | 1731 | Thu | 95720 28741 10531 42404 73482 14640 | AM/RDFT | (DSch) |
| HM01 | 11635 | 27-3-2014 | 1808 | Thu | 95720 28741 10531 42404 73482 14640 | AM/RDFT | (DSch) |
| HM01 | 16180 | 27-3-2014 | 2100 | Thu | 95720 28741 10531 42404 73482 14640 | AM/RDFT | (DSch) |
| HM01 | 17480 | 27-3-2014 | 2200 | Thu | 95720 28741 10531 42404 73482 14640 | AM/RDFT | (DSch/Dan) |
| HM01 | 5854.9 | 28-3-2014 | 1031 | Fri | 95720 28741 10531 42404 73482 14640 | AM/RDFT | (DSch) |
| HM01 | 9155.4 | 28-3-2014 | 1032 | Fri | 95720 28741 10531 42404 73482 14640 (Not in sync with 5854,9) | AM/RDFT | (DSch) |
| HM01 | 11635 | 28-3-2014 | 1814 | Fri | 95727 28746 10532 42405 75483 14647 | AM/RDFT | (DSch) |
| HM01 | 10715 | 28-3-2014 | 2216 | Fri | 95727 28746 10532 42405 75483 14647 | AM/RDFT | (DSch/Dan) |
| HM01 | 11635 | 28-3-2014 | 2216 | Fri | 95727 28746 10532 42405 75483 14647 | AM/RDFT | (DSch) |
| HM01 | 11435 | 29-3-2014 | 1449 | Sat | 95727 28743 10532 42405 73483 14647 then stopped. Resumed with 95727 etc at 1601 UTC | AM/RDFT | (DSch) |
| HM01 | 11530 | 29-3-2014 | 1703 | Sat | 95728 28743 10533 42406 73484 14648 | AM/RDFT | (DSch) |
| HM01 | 11635 | 29-3-2014 | 1808 | Sat | 95728 28743 10533 42406 73484 14648 | AM/RDFT | (DSch) |
| HM01 | 16180 | 29-3-2014 | 2104 | Sat | 95728 28743 10533 42406 73484 14648 | AM/RDFT | (DSch) |
| HM01 | 17480 | 29-3-2014 | 2250 | Sat | 95728 28743 10533 42406 73484 14648 | AM/RDFT | (DSch) |
| HM01 | 5855 | 31-3-2014 | 1000 | Mon | 82841 28744 10534 42407 73485 14649 | AM/RDFT | (DSch) |
| HM01 | 9155 | 31-3-2014 | 1000 | Mon | 82841 28744 10534 42407 73485 14649 not //5855 kHz | AM/RDFT | (DSch) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|---------|-------------|
| HM01 | 11435 | 31-3-2014 | 1600 | Mon | 82841 28745 10535 80541 73486 83761 | AM/RDFT | (DSch) |
| HM01 | 11530 | 31-3-2014 | 1700 | Mon | 82841 28745 10535 80541 73486 83761 | AM/RDFT | (DSch) |
| HM01 | 11635 | 31-3-2014 | 1759 | Mon | 82841 28745 10535 80541 73486 83761 | AM/RDFT | (DSch) |
| HM01 | 11635 | 31-3-2014 | 2100 | Mon | 82842 28746 10536 80541 73487 83761 | AM/RDFT | (DSch) |
| HM01 | 10715 | 31-3-2014 | 2200 | Mon | 82842 28746 10536 80541 73487 83761 | AM/RDFT | (DSch) |
| M01 | 6510 | 2-3-2014 | 0700 | Sun | 5F message ending = = 145 145 30 30 000 | CW | (PPA) |
| M01 | 5474 | 4-3-2014 | 1800 | Tue | 463 763 30 = 64930 | CW | (HFD) |
| M01 | 5020 | 4-3-2014 | 2000 | Tue | 463 512 30 = 63960 | CW | (HFD) |
| M01 | 5107 | 4-3-2014 | 2120 | Tue | 126 126 126 38170 38170 (R3) 126 126 126 36070 36070 (R3) 126 126 126 000 | CW | (AnHNG) |
| M01 | 5476 | 6-3-2014 | 1807 | Thu | i.p. 46565 54158 42667 50120 62365 12884 87012 86786 02749 89087 71006 99904 00055 93232 09782 = = 873 873 30 30 000 | CW | (JPL-Sib) |
| M01 | 5406 | 9-3-2014 | 1320 | Sun | 602 602 602 99389 (R3) 602 602 602 92964 (R3) | CW | (Avare) |
| M01 | 5474 | 13-3-2014 | 1800 | Thu | 463 293 3T = 56152 94475 31T32 ... 6768T 915T6 58238 = 293 3T 000 000 | CW | (Danix) |
| M01 | 6261 | 22-3-2014 | 1500 | Sat | 463 | CW | (HFD) |
| M01a | 4750 | 21-3-2014 | 0334 | Fri | 694 694 694 67352 67352 (Cont'd) | CW | (JPL-RUS) |
| M01a | 10231 | 28-3-2014 | 0630 | Fri | 234 77578 13619 77285 ... 16506 50160 68160 111 000 | CW | (Avare) |
| M01b | 3715 | 6-3-2014 | 2042 | Thu | 477 856 39 = 61219 //4570 | CW | (HFD) |
| M01b | 4570 | 6-3-2014 | 2042 | Thu | 477 856 39 = 61219 //3715 | CW | (HFD) |
| M01b | 4585 | 7-3-2014 | 2110 | Fri | 582 856 29 = 61219 | CW | (HFD) |
| M01b | 3535 | 10-3-2014 | 1914 | Mon | ip //4590 | CW | (HFD) |
| M01b | 4590 | 10-3-2014 | 1914 | Mon | ip //3535 | CW | (HFD) |
| M01b | 3644 | 10-3-2014 | 2015 | Mon | 771 856 29 = 61219 3644 //4454 | CW | (HFD) |
| M01b | 4454 | 10-3-2014 | 2015 | Mon | 771 856 29 = 61219 3644 //3644 | CW | (HFD) |
| M01b | 4593 | 17-3-2014 | 1813 | Mon | 420 (R) 189 189 30 30 = = | CW | (JPL-Sib) |
| M01c | 4604 | 15-3-2014 | 1751 | Sat | 972 972 972 333 68517 333 68517 ... | CW | (JPL-Sib) |
| M03 | 9150 | 4-3-2014 | 1115 | Tue | 272/00 | CW | (HFD) |
| M03 | 13911 | 7-3-2014 | 1420 | Fri | 879/00 | CW | (HFD) |
| M03 | 9150 | 13-3-2014 | 1320 | Thu | 437/00 | CW | (HFD) |
| M03 | 6977 | 15-3-2014 | 1535 | Sat | 798/00 = = | CW | (RWO) |
| M03 | 13911 | 21-3-2014 | 1430 | Fri | 879/36 msg = = | CW | (AB) |
| M03 | 6977 | 25-3-2014 | 1535 | Tue | 798/00 | CW | (HFD) |
| M08a | 8009 | 3-3-2014 | 2303 | Mon | Cuban cut nbrs | CW | (DSch) |
| M08a | 8009 | 5-3-2014 | 2307 | Wed | Cuban cut nbrs | CW | (DSch) |
| M08a | 8135 | 6-3-2014 | 2312 | Thu | Cuban cut nbrs | CW | (DSch) |
| M08a | 7554 | 7-3-2014 | 2000 | Fri | Cuban cut nbrs GWTRN TRITN NTGAN | CW | (DSch) |
| M08a | 7554 | 8-3-2014 | 2000 | Sat | Cuban cut nbrs AGNRN NNWTA DWTNN | CW | (DSch) |
| M08a | 8009 | 10-3-2014 | 2300 | Mon | Cuban cut nbrs RTWNA IDGWA GRDIN | CW | (DSch) |
| M08a | 7554 | 14-3-2014 | 2000 | Fri | Cuban cut numbers | CW | (DSch) |
| M08a | 7553.5 | 18-3-2014 | 2001 | Tue | Cuban cut nbrs | CW | (DSch) |
| M08a | 8135 | 18-3-2014 | 2312 | Tue | Cuban cut nbrs | CW | (DSch) |
| M08a | 8095.7 | 19-3-2014 | 1402 | Wed | Cuban cut nbrs. TWUAN AGGUA NNNRW | CW | (DSch) |
| M08a | 8009 | 19-3-2014 | 2309 | Wed | Cuban cut nbrs. | CW | (DSch) |
| M08a | 7554 | 20-3-2014 | 2008 | Thu | Cuban cut nbrs | CW | (DSch) |
| M08a | 8135 | 20-3-2014 | 2329 | Thu | Cuban cut nbrs | CW | (DSch) |
| M08a | 8097 | 21-3-2014 | 1402 | Fri | Cuban cut nbrs: UNIIA = = = | CW | (DSch) |
| M08a | 8097 | 22-3-2014 | 1401 | Sat | AGNRN NNWTA DWTNN Cuban cut nbrs | CW | (DSch) |
| M08a | 8095.5 | 23-3-2014 | 1403 | Sun | AGNRN NNWTA DWTNN Cuban cut nbrs | CW | (DSch) |
| M08a | 7554 | 23-3-2014 | 1958 | Sun | AGNRNB NNWTA DWTNN Cuban cut nbrs | CW | (DSch) |
| M08a | 8009.1 | 24-3-2014 | 2308 | Mon | Cuban cut nbrs | CW | (DSch) |
| M08a | 8095 | 25-3-2014 | 1400 | Tue | DARIA UUTAN WRUUA Cuban cut nbrs | CW | (DSch) |
| M08a | 8135.4 | 25-3-2014 | 2300 | Tue | IIGNN GANWA TUWIA Cuban cut nbrs | CW | (DSch) |
| M08a | 8009 | 26-3-2014 | 2317 | Wed | Cuban cut nbrs | CW | (DSch) |
| M08a | 8097 | 28-3-2014 | 1419 | Fri | Cuban cut nbrs | CW | (DSch) |
| M08a | 8134.8 | 28-3-2014 | 2310 | Fri | Cuban cut nbrs. Should be on 8009 kHz | CW | (DSch) |
| M08a | 8096 | 29-3-2014 | 1446 | Sat | Cuban cut nbrs | CW | (DSch) |
| M08a | 7554 | 29-3-2014 | 2000 | Sat | Cuban cut nbrs DWTNN AGNRN NNWTA | CW | (DSch) |
| M08a | 8096 | 31-3-2014 | 1400 | Mon | Cuban cut nbrs | CW | (DSch) |
| M08a | 9554 | 31-3-2014 | 1900 | Mon | Cuban cut nbrs GARAA AUADN IIDIN. Sked is hour early. Normally is at 2000 UTC. | CW | (DSch) |
| M08a | 8009 | 31-3-2014 | 2301 | Mon | Cuban cut nbrs DNIAN UWNDA WIWRN | CW | (DSch) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|---------------|-----------|-----------|------|-----|---|------------|-------------|
| M08a/HM 01 | 11635 | 10-3-2014 | 2058 | Mon | Sent few cut nbrs in CW followed by 54472 etc | CW/AM/RDFT | (DSch) |
| M12 | 14769 | 2-3-2014 | 1010 | Sun | 721 0 | CW | (HFD) |
| M12 | 16269 | 2-3-2014 | 1030 | Sun | 721 0 | CW | (HFD) |
| M12 | 5792 | 3-3-2014 | 0530 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 5792 | 3-3-2014 | 0530 | Mon | 796 0 | CW | (HFD) |
| M12 | 6992 | 3-3-2014 | 0550 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 6992 | 3-3-2014 | 0550 | Mon | 796 0 | CW | (HFD) |
| M12 | 11435 | 3-3-2014 | 1600 | Mon | 938 1 2841 106 40853 | CW | (FN) |
| M12 | 11435 | 3-3-2014 | 1600 | Mon | 938 1 | CW | (HFD) |
| M12 | 10598 | 3-3-2014 | 1620 | Mon | 938 1 2841 106 40853 | CW | (FN) |
| M12 | 10598 | 3-3-2014 | 1620 | Mon | 938 1 | CW | (HFD) |
| M12 | 9327 | 3-3-2014 | 1640 | Mon | 938 1 2841 106 40853 | CW | (FN) |
| M12 | 9327 | 3-3-2014 | 1640 | Mon | 938 1 | CW | (HFD) |
| M12 | 9176 | 3-3-2014 | 1700 | Mon | 257 1 5037 72 43504 | CW | (FN) |
| M12 | 9176 | 3-3-2014 | 1700 | Mon | 257 1 | CW | (HFD) |
| M12 | 7931 | 3-3-2014 | 1720 | Mon | 257 1 5037 72 43504 | CW | (FN) |
| M12 | 7931 | 3-3-2014 | 1720 | Mon | 257 1 | CW | (HFD) |
| M12 | 6904 | 3-3-2014 | 1740 | Mon | 257 1 5037 72 43504 | CW | (FN) |
| M12 | 6904 | 3-3-2014 | 1740 | Mon | 257 1 | CW | (HFD) |
| M12 | 6904 | 3-3-2014 | 1749 | Mon | in progress | CW | (JE-HOL) |
| M12 | 9176 | 3-3-2014 | 1800 | Mon | 257 1 8081 63 87529 | CW | (FN) |
| M12 | 9176 | 3-3-2014 | 1800 | Mon | 257 1 | CW | (HFD) |
| M12 | 7931 | 3-3-2014 | 1820 | Mon | 257 1 8081 63 87529 | CW | (FN) |
| M12 | 7931 | 3-3-2014 | 1820 | Mon | 257 1 | CW | (HFD) |
| M12 | 6904 | 3-3-2014 | 1840 | Mon | 257 1 8081 63 87529 | CW | (FN) |
| M12 | 6904 | 3-3-2014 | 1840 | Mon | 257 1 | CW | (HFD) |
| M12 | 9176 | 3-3-2014 | 1900 | Mon | 257 1 2122 118 66079 | CW | (FN) |
| M12 | 9176 | 3-3-2014 | 1900 | Mon | 257 1 | CW | (HFD) |
| M12 | 9176 | 3-3-2014 | 1902 | Mon | 257 1 2122 118 66079 76739 55031 13050 66010 ... 70684 75499 90518 75107 23123 000 000 | CW | (MPJ) |
| M12 | 7931 | 3-3-2014 | 1920 | Mon | 257 1 2122 118 66079 | CW | (FN) |
| M12 | 7931 | 3-3-2014 | 1920 | Mon | 257 1 | CW | (HFD) |
| M12 | 6904 | 3-3-2014 | 1940 | Mon | 257 1 2122 118 66079 | CW | (FN) |
| M12 | 6904 | 3-3-2014 | 1940 | Mon | 257 1 | CW | (HFD) |
| M12 | 11435 | 5-3-2014 | 1830 | Wed | 938 1 | CW | (HFD) |
| M12 | 11435 | 5-3-2014 | 1830 | Wed | 938 1 ... | CW | (RWO) |
| M12 | 10598 | 5-3-2014 | 1850 | Wed | 938 1 | CW | (HFD) |
| M12 | 9327 | 5-3-2014 | 1910 | Wed | 938 1 | CW | (HFD) |
| M12 | 5763 | 5-3-2014 | 2200 | Wed | 714 714 714 000 | CW | (FN) |
| M12 | 5763 | 5-3-2014 | 2200 | Wed | 714 0 | CW | (HFD) |
| M12 | 5163 | 5-3-2014 | 2220 | Wed | 714 714 714 000 | CW | (FN) |
| M12 | 5163 | 5-3-2014 | 2220 | Wed | 714 0 | CW | (HFD) |
| M12 | 6784 | 6-3-2014 | 0730 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 6784 | 6-3-2014 | 0730 | Thu | 761 0 | CW | (HFD) |
| M12 | 7684 | 6-3-2014 | 0750 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 7684 | 6-3-2014 | 0750 | Thu | 761 0 | CW | (HFD) |
| M12 | 14769 | 6-3-2014 | 1010 | Thu | 721 1 3062 57 72436 | CW | (FN) |
| M12 | 16269 | 6-3-2014 | 1030 | Thu | 721 1 3062 57 72436 | CW | (FN) |
| M12 | 18169 | 6-3-2014 | 1050 | Thu | 721 1 3062 57 72436 | CW | (FN) |
| M12 | 13386 | 6-3-2014 | 1600 | Thu | 725 1 7180 109 17921 | CW | (FN) |
| M12 | 13386 | 6-3-2014 | 1600 | Thu | 725 1 | CW | (HFD) |
| M12 | 12189 | 6-3-2014 | 1620 | Thu | 725 1 7180 109 17921 | CW | (FN) |
| M12 | 12189 | 6-3-2014 | 1620 | Thu | 725 1 | CW | (HFD) |
| M12 | 11491 | 6-3-2014 | 1640 | Thu | 725 1 7180 109 17921 | CW | (FN) |
| M12 | 11491 | 6-3-2014 | 1640 | Thu | 725 1 | CW | (HFD) |
| M12 | 9176 | 6-3-2014 | 1700 | Thu | 257 1 4956 75 90761 | CW | (FN) |
| M12 | 10343 | 6-3-2014 | 1700 | Thu | 124 1 2619 77 92593 | CW | (FN) |
| M12 | 10343 | 6-3-2014 | 1700 | Thu | 124 1 | CW | (HFD) |
| M12 | 7931 | 6-3-2014 | 1720 | Thu | 257 1 4956 75 90761 | CW | (FN) |
| M12 | 9264 | 6-3-2014 | 1720 | Thu | 124 1 2619 77 92593 | CW | (FN) |
| M12 | 9264 | 6-3-2014 | 1720 | Thu | 124 1 | CW | (HFD) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|---------------|
| M12 | 6904 | 6-3-2014 | 1740 | Thu | 257 1 4956 75 90761 | CW | (FN) |
| M12 | 8116 | 6-3-2014 | 1740 | Thu | 124 1 2619 77 92593 | CW | (FN) |
| M12 | 8116 | 6-3-2014 | 1740 | Thu | 124 1 | CW | (HFD) |
| M12 | 10343 | 6-3-2014 | 1800 | Thu | 124 1 7380 112 61627 | CW | (FN) |
| M12 | 9264 | 6-3-2014 | 1820 | Thu | 124 1 7380 112 61627 | CW | (FN) |
| M12 | 8116 | 6-3-2014 | 1840 | Thu | 124 1 7380 112 61627 | CW | (FN) |
| M12 | 9176 | 6-3-2014 | 1900 | Thu | 257 1 8119 68 62055 | CW | (FN) |
| M12 | 7931 | 6-3-2014 | 1920 | Thu | 257 1 8119 68 62055 | CW | (FN) |
| M12 | 6904 | 6-3-2014 | 1940 | Thu | 257 1 8119 68 62055 | CW | (FN) |
| M12 | 8158 | 8-3-2014 | 0600 | Sat | 126 126 126 000 | CW | (FN) |
| M12 | 9258 | 8-3-2014 | 0620 | Sat | 126 126 126 000 | CW | (FN) |
| M12 | 12214 | 8-3-2014 | 1310 | Sat | 282 1 2754 191 91375 | CW | (FN) |
| M12 | 12214 | 8-3-2014 | 1310 | Sat | 282 1 | CW | (HFD) |
| M12 | 10814 | 8-3-2014 | 1330 | Sat | 282 1 2754 191 91375 | CW | (FN) |
| M12 | 10814 | 8-3-2014 | 1330 | Sat | 282 1 | CW | (HFD) |
| M12 | 9214 | 8-3-2014 | 1350 | Sat | 282 1 2754 191 91375 | CW | (FN) |
| M12 | 9214 | 8-3-2014 | 1350 | Sat | 282 1 | CW | (HFD) |
| M12 | 14769 | 9-3-2014 | 1010 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 16269 | 9-3-2014 | 1030 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 5792 | 10-3-2014 | 0530 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 6992 | 10-3-2014 | 0550 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 11435 | 10-3-2014 | 1600 | Mon | 938 1 7535 107 04139 | CW | (FN) |
| M12 | 10598 | 10-3-2014 | 1620 | Mon | 938 1 7535 107 04139 | CW | (FN) |
| M12 | 9327 | 10-3-2014 | 1640 | Mon | 938 1 7535 107 04139 | CW | (FN) |
| M12 | 9176 | 10-3-2014 | 1700 | Mon | 257 1 4569 78 26134 | CW | (FN) |
| M12 | 7931 | 10-3-2014 | 1720 | Mon | 257 1 4569 78 26134 | CW | (FN) |
| M12 | 6904 | 10-3-2014 | 1740 | Mon | 257 1 4569 78 26134 | CW | (FN) |
| M12 | 9176 | 10-3-2014 | 1800 | Mon | 257 1 8654 57 69432 | CW | (FN) |
| M12 | 7931 | 10-3-2014 | 1820 | Mon | 257 1 8654 57 69432 | CW | (FN) |
| M12 | 6904 | 10-3-2014 | 1840 | Mon | 257 1 8654 57 69432 | CW | (FN) |
| M12 | 9176 | 10-3-2014 | 1900 | Mon | 257 1 3823 110 78226 | CW | (FN) |
| M12 | 7931 | 10-3-2014 | 1920 | Mon | 257 1 3823 110 78226 | CW | (FN) |
| M12 | 6904 | 10-3-2014 | 1940 | Mon | 257 1 3823 110 78226 | CW | (FN) |
| M12 | 6904 | 10-3-2014 | 1940 | Mon | 257 1 4569 78 26134 | CW | (RW0) |
| M12 | 10343 | 11-3-2014 | 1830 | Tue | 124 1 3366 51 32930 | CW | (FN) |
| M12 | 10343 | 11-3-2014 | 1830 | Tue | 124 1 | CW | (HFD) |
| M12 | 9264 | 11-3-2014 | 1850 | Tue | 124 1 3366 51 32930 | CW | (FN) |
| M12 | 10343 | 11-3-2014 | 1850 | Tue | 124 1 | CW | (HFD) |
| M12 | 8116 | 11-3-2014 | 1910 | Tue | 124 1 3366 51 32930 | CW | (FN) |
| M12 | 8116 | 11-3-2014 | 1910 | Tue | 124 1 | CW | (HFD) |
| M12 | 8047 | 12-3-2014 | 1700 | Wed | 463 1 8947 61 40864 | CW | (FN) |
| M12 | 8047 | 12-3-2014 | 1700 | Wed | 463 1 | CW | (HFD) |
| M12 | 6802 | 12-3-2014 | 1720 | Wed | 463 1 8947 61 40864 | CW | (FN) |
| M12 | 6802 | 12-3-2014 | 1720 | Wed | 463 1 | CW | (HFD) |
| M12 | 5788 | 12-3-2014 | 1740 | Wed | 463 1 8947 61 40864 | CW | (FN) |
| M12 | 5788 | 12-3-2014 | 1740 | Wed | 463 1 | CW | (HFD) |
| M12 | 11435 | 12-3-2014 | 1830 | Wed | 938 1 9550 68 79839 | CW | (FN) |
| M12 | 10598 | 12-3-2014 | 1850 | Wed | 938 1 9550 68 79839 | CW | (FN) |
| M12 | 9327 | 12-3-2014 | 1910 | Wed | 938 1 9550 68 79839 | CW | (FN) |
| M12 | 10250 | 12-3-2014 | 1928 | Wed | 223 1 656 2007 27 37746 ... 223 1 656 28621 ...C | CW | (FN) W |
| M12 | 10250 | 12-3-2014 | 1929 | Wed | 223 223 223 1 656 2007 27 2007 27 37746 17751 08231 ... 28750 78072 15077 000 000 | CW | (Avare/Danix) |
| M12 | 10256 | 12-3-2014 | 1938 | Wed | 223 223 223 1 656 2007 27 2007 27 37746 17751 08231 ... 28750 78072 15077 000 000 | CW | (Avare/Danix) |
| M12 | 10250 | 12-3-2014 | 1952 | Wed | 223 223 223 1 656 2007 27 2007 27 37746 17751 08231 ... 28750 78072 15077 000 000 | CW | (Avare/Danix) |
| M12 | 10250 | 12-3-2014 | 1957 | Wed | 223 223 223 1 656 2007 27 2007 27 37746 17751 08231 ... 28750 78072 15077 000 000 | CW | (Avare/Danix) |
| M12 | 5763 | 12-3-2014 | 2200 | Wed | 714 1 7384 99 10871 | CW | (FN) |
| M12 | 5163 | 12-3-2014 | 2220 | Wed | 714 1 7384 99 10871 | CW | (FN) |
| M12 | 4463 | 12-3-2014 | 2240 | Wed | 714 1 7384 99 10871 | CW | (FN) |
| M12 | 6784 | 13-3-2014 | 0730 | Thu | 761 761 761 000 | CW | (FN) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|-------------------------|------|-------------|
| M12 | 7684 | 13-3-2014 | 0750 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 14769 | 13-3-2014 | 1010 | Thu | 721 721 721 000 | CW | (FN) |
| M12 | 16269 | 13-3-2014 | 1030 | Thu | 721 721 721 000 | CW | (FN) |
| M12 | 12214 | 13-3-2014 | 1310 | Thu | 282 282 282 000 | CW | (FN) |
| M12 | 10814 | 13-3-2014 | 1330 | Thu | 282 282 282 000 | CW | (FN) |
| M12 | 13386 | 13-3-2014 | 1600 | Thu | 725 1 6718 108 62640 | CW | (FN) |
| M12 | 12189 | 13-3-2014 | 1620 | Thu | 725 1 6718 108 62640 | CW | (FN) |
| M12 | 11491 | 13-3-2014 | 1640 | Thu | 725 1 6718 108 62640 | CW | (FN) |
| M12 | 9176 | 13-3-2014 | 1700 | Thu | 257 1 2944 57 05187 | CW | (FN) |
| M12 | 10343 | 13-3-2014 | 1700 | Thu | 124 1 5296 90 31890 | CW | (FN) |
| M12 | 7931 | 13-3-2014 | 1720 | Thu | 257 1 2944 57 05187 | CW | (FN) |
| M12 | 9264 | 13-3-2014 | 1720 | Thu | 124 1 5296 90 31890 | CW | (FN) |
| M12 | 6904 | 13-3-2014 | 1740 | Thu | 257 1 2944 57 05187 | CW | (FN) |
| M12 | 8116 | 13-3-2014 | 1740 | Thu | 124 1 5296 90 31890 | CW | (FN) |
| M12 | 8116 | 13-3-2014 | 1740 | Thu | 124 1 5296 90 31890 ... | CW | (RWO) |
| M12 | 10343 | 13-3-2014 | 1800 | Thu | 124 1 3794 115 43904 | CW | (FN) |
| M12 | 9264 | 13-3-2014 | 1820 | Thu | 124 1 3794 115 43904 | CW | (FN) |
| M12 | 8116 | 13-3-2014 | 1840 | Thu | 124 1 3794 115 43904 | CW | (FN) |
| M12 | 9176 | 13-3-2014 | 1900 | Thu | 257 1 9099 42 65394 | CW | (FN) |
| M12 | 7931 | 13-3-2014 | 1920 | Thu | 257 1 9099 42 65394 | CW | (FN) |
| M12 | 6904 | 13-3-2014 | 1940 | Thu | 257 1 9099 42 65394 | CW | (FN) |
| M12 | 8158 | 15-3-2014 | 0600 | Sat | 126 126 126 000 | CW | (FN) |
| M12 | 9258 | 15-3-2014 | 0620 | Sat | 126 126 126 000 | CW | (FN) |
| M12 | 12214 | 15-3-2014 | 1310 | Sat | 282 2582 282 000 | CW | (FN) |
| M12 | 10814 | 15-3-2014 | 1330 | Sat | 282 282 282 000 | CW | (FN) |
| M12 | 14769 | 16-3-2014 | 1010 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 16269 | 16-3-2014 | 1030 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 5792 | 17-3-2014 | 0530 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 6992 | 17-3-2014 | 0550 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 9176 | 17-3-2014 | 1700 | Mon | 257 1 2313 94 57956 | CW | (FN) |
| M12 | 7931 | 17-3-2014 | 1720 | Mon | 257 1 2313 94 57956 | CW | (FN) |
| M12 | 6904 | 17-3-2014 | 1740 | Mon | 257 1 2313 94 57956 | CW | (FN) |
| M12 | 9176 | 17-3-2014 | 1800 | Mon | 257 1 9948 54 74501 | CW | (FN) |
| M12 | 7931 | 17-3-2014 | 1820 | Mon | 257 1 9948 54 74501 | CW | (FN) |
| M12 | 6904 | 17-3-2014 | 1840 | Mon | 257 1 9948 54 74501 | CW | (FN) |
| M12 | 9176 | 17-3-2014 | 1900 | Mon | 257 1 8479 104 21334 | CW | (FN) |
| M12 | 7931 | 17-3-2014 | 1920 | Mon | 257 1 8479 104 21334 | CW | (FN) |
| M12 | 6904 | 17-3-2014 | 1940 | Mon | 257 1 8479 104 21334 | CW | (FN) |
| M12 | 10343 | 18-3-2014 | 1830 | Tue | 124 1 4032 62 31781 | CW | (FN) |
| M12 | 9264 | 18-3-2014 | 1850 | Tue | 124 1 4032 62 31781 | CW | (FN) |
| M12 | 8116 | 18-3-2014 | 1910 | Tue | 124 1 4032 62 31781 | CW | (FN) |
| M12 | 8047 | 19-3-2014 | 1700 | Wed | 463 1 1864 59 04556 | CW | (FN) |
| M12 | 6802 | 19-3-2014 | 1720 | Wed | 463 1 1864 59 04556 | CW | (FN) |
| M12 | 5788 | 19-3-2014 | 1740 | Wed | 463 1 1864 59 04556 | CW | (FN) |
| M12 | 11435 | 19-3-2014 | 1830 | Wed | 938 1 1991 60 99224 | CW | (FN) |
| M12 | 10598 | 19-3-2014 | 1850 | Wed | 938 1 1991 60 99224 | CW | (FN) |
| M12 | 9327 | 19-3-2014 | 1910 | Wed | 938 1 1991 60 99224 | CW | (FN) |
| M12 | 5763 | 19-3-2014 | 2200 | Wed | 714 1 8101 111 69813 | CW | (FN) |
| M12 | 5163 | 19-3-2014 | 2220 | Wed | 714 1 8101 111 69813 | CW | (FN) |
| M12 | 4463 | 19-3-2014 | 2240 | Wed | 714 1 8101 111 69813 | CW | (FN) |
| M12 | 6784 | 20-3-2014 | 0730 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 7684 | 20-3-2014 | 0750 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 14769 | 20-3-2014 | 1010 | Thu | 721 1 6265 89 44797 | CW | (FN) |
| M12 | 16269 | 20-3-2014 | 1030 | Thu | 721 1 6265 89 44797 | CW | (FN) |
| M12 | 18169 | 20-3-2014 | 1050 | Thu | 721 1 6265 89 44797 | CW | (FN) |
| M12 | 12214 | 20-3-2014 | 1310 | Thu | 282 282 282 000 | CW | (FN) |
| M12 | 10814 | 20-3-2014 | 1330 | Thu | 282 282 282 000 | CW | (FN) |
| M12 | 13386 | 20-3-2014 | 1600 | Thu | 725 1 6409 101 50231 | CW | (FN) |
| M12 | 12189 | 20-3-2014 | 1620 | Thu | 725 1 6409 101 50231 | CW | (FN) |
| M12 | 11491 | 20-3-2014 | 1640 | Thu | 725 1 6409 101 50231 | CW | (FN) |
| M12 | 9176 | 20-3-2014 | 1700 | Thu | 257 1 9492 85 77685 | CW | (FN) |
| M12 | 10343 | 20-3-2014 | 1700 | Thu | 124 1 6432 95 66832 | CW | (FN) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|------------------------------------|------|-------------|
| M12 | 7931 | 20-3-2014 | 1720 | Thu | 257 1 9492 85 77685 | CW | (FN) |
| M12 | 9264 | 20-3-2014 | 1720 | Thu | 124 1 6432 95 66832 | CW | (FN) |
| M12 | 6904 | 20-3-2014 | 1740 | Thu | 257 1 9492 85 77685 | CW | (FN) |
| M12 | 8116 | 20-3-2014 | 1740 | Thu | 124 1 6432 95 66832 | CW | (FN) |
| M12 | 10343 | 20-3-2014 | 1800 | Thu | 124 1 5411 117 45748 | CW | (FN) |
| M12 | 9264 | 20-3-2014 | 1820 | Thu | 124 1 5411 117 45748 | CW | (FN) |
| M12 | 8116 | 20-3-2014 | 1840 | Thu | 124 1 5411 117 45748 | CW | (FN) |
| M12 | 9176 | 20-3-2014 | 1900 | Thu | 257 1 9383 42 38711 | CW | (FN) |
| M12 | 7931 | 20-3-2014 | 1920 | Thu | 257 1 9383 42 38711 | CW | (FN) |
| M12 | 6904 | 20-3-2014 | 1940 | Thu | 257 1 9383 42 38711 | CW | (FN) |
| M12 | 12214 | 22-3-2014 | 1310 | Sat | 282 282 282 000 | CW | (FN) |
| M12 | 10814 | 22-3-2014 | 1330 | Sat | 282 282 282 000 | CW | (FN) |
| M12 | 14769 | 23-3-2014 | 1010 | Sun | 721 1 6265 44797 | CW | (FN) |
| M12 | 16269 | 23-3-2014 | 1030 | Sun | 721 1 6265 44797 | CW | (FN) |
| M12 | 18169 | 23-3-2014 | 1050 | Sun | 721 1 6265 44797 | CW | (FN) |
| M12 | 5792 | 24-3-2014 | 0530 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 6992 | 24-3-2014 | 0550 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 11435 | 24-3-2014 | 1600 | Mon | 938 1 2670 102 16930 | CW | (FN) |
| M12 | 10598 | 24-3-2014 | 1620 | Mon | 938 1 2670 102 16930 | CW | (FN) |
| M12 | 9327 | 24-3-2014 | 1640 | Mon | 938 1 2670 102 16930 | CW | (FN) |
| M12 | 9176 | 24-3-2014 | 1700 | Mon | 257 1 5689 91 23752 | CW | (FN) |
| M12 | 7931 | 24-3-2014 | 1720 | Mon | 257 1 5689 91 23752 | CW | (FN) |
| M12 | 6904 | 24-3-2014 | 1740 | Mon | 257 1 5689 91 23752 | CW | (FN) |
| M12 | 9176 | 24-3-2014 | 1800 | Mon | 257 1 9478 47 88176 | CW | (FN) |
| M12 | 7931 | 24-3-2014 | 1820 | Mon | 257 1 9478 47 88176 | CW | (FN) |
| M12 | 6904 | 24-3-2014 | 1840 | Mon | 257 1 9478 47 88176 | CW | (FN) |
| M12 | 6904 | 24-3-2014 | 1844 | Mon | i.p. ends with 000 000 | CW | (AB) |
| M12 | 9176 | 24-3-2014 | 1900 | Mon | 257 1 9744 117 95614 | CW | (FN) |
| M12 | 7931 | 24-3-2014 | 1920 | Mon | 257 1 9744 117 95614 | CW | (FN) |
| M12 | 6904 | 24-3-2014 | 1940 | Mon | 257 1 9744 117 95614 | CW | (FN) |
| M12 | 10343 | 25-3-2014 | 1830 | Tue | 124 1 5529 51 91642 | CW | (FN) |
| M12 | 9264 | 25-3-2014 | 1850 | Tue | 124 1 5529 51 91642 | CW | (FN) |
| M12 | 8116 | 25-3-2014 | 1910 | Tue | 124 1 5529 51 91642 | CW | (FN) |
| M12 | 8047 | 26-3-2014 | 1700 | Wed | 463 1 1542 76 21823 | CW | (FN) |
| M12 | 6802 | 26-3-2014 | 1720 | Wed | 463 1 1542 76 21823 | CW | (FN) |
| M12 | 6802 | 26-3-2014 | 1725 | Wed | i.p. 22965 35318 37259 ... 000 000 | CW | (JPL-Sib) |
| M12 | 5788 | 26-3-2014 | 1740 | Wed | 463 1 1542 76 21823 | CW | (FN) |
| M12 | 5788 | 26-3-2014 | 1740 | Wed | 463 1 1542 76 21823 | CW | (JPL-Sib) |
| M12 | 11435 | 26-3-2014 | 1830 | Wed | 938 1 3718 69 38433 | CW | (FN) |
| M12 | 10598 | 26-3-2014 | 1850 | Wed | 938 1 3718 69 38433 | CW | (FN) |
| M12 | 9327 | 26-3-2014 | 1910 | Wed | 938 1 3718 69 38433 | CW | (FN) |
| M12 | 6784 | 27-3-2014 | 0730 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 7684 | 27-3-2014 | 0750 | Thu | 761 761 761 000 | CW | (FN) |
| M12 | 14769 | 27-3-2014 | 1010 | Thu | 721 721 721 000 | CW | (FN) |
| M12 | 16269 | 27-3-2014 | 1030 | Thu | 721 721 721 000 | CW | (FN) |
| M12 | 12214 | 27-3-2014 | 1310 | Thu | 282 1 3864 87 91560 | CW | (FN) |
| M12 | 10814 | 27-3-2014 | 1330 | Thu | 282 1 3864 87 91560 | CW | (FN) |
| M12 | 9214 | 27-3-2014 | 1350 | Thu | 282 1 3864 87 91560 | CW | (FN) |
| M12 | 13386 | 27-3-2014 | 1600 | Thu | 725 1 4510 108 36305 | CW | (FN) |
| M12 | 12189 | 27-3-2014 | 1620 | Thu | 725 1 4510 108 36305 | CW | (FN) |
| M12 | 11491 | 27-3-2014 | 1640 | Thu | 725 1 4510 108 36305 | CW | (FN) |
| M12 | 9176 | 27-3-2014 | 1700 | Thu | 257 1 4501 83 14508 | CW | (FN) |
| M12 | 10343 | 27-3-2014 | 1700 | Thu | 124 1 3428 99 58040 | CW | (FN) |
| M12 | 7931 | 27-3-2014 | 1720 | Thu | 257 1 4501 83 14508 | CW | (FN) |
| M12 | 9264 | 27-3-2014 | 1720 | Thu | 124 1 3428 99 58040 | CW | (FN) |
| M12 | 6904 | 27-3-2014 | 1740 | Thu | 257 1 4501 83 14508 | CW | (FN) |
| M12 | 8116 | 27-3-2014 | 1740 | Thu | 124 1 3428 99 58040 | CW | (FN) |
| M12 | 10343 | 27-3-2014 | 1800 | Thu | 124 1 6727 106 52645 | CW | (FN) |
| M12 | 9264 | 27-3-2014 | 1820 | Thu | 124 1 6727 106 52645 | CW | (FN) |
| M12 | 8116 | 27-3-2014 | 1840 | Thu | 124 1 6727 106 52645 | CW | (FN) |
| M12 | 9176 | 27-3-2014 | 1900 | Thu | 257 1 7491 60 81017 | CW | (FN) |
| M12 | 7931 | 27-3-2014 | 1920 | Thu | 257 1 7491 60 81017 | CW | (FN) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------------------|-------------|
| M12 | 6904 | 27-3-2014 | 1940 | Thu | 257 1 7491 60 81017 | CW | (FN) |
| M12 | 14769 | 30-3-2014 | 1010 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 16269 | 30-3-2014 | 1030 | Sun | 721 721 721 000 | CW | (FN) |
| M12 | 5792 | 31-3-2014 | 0530 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 6992 | 31-3-2014 | 0550 | Mon | 796 796 796 000 | CW | (FN) |
| M12 | 11435 | 31-3-2014 | 1600 | Mon | 938 1 9905 111 84733 | CW | (FN) |
| M12 | 10598 | 31-3-2014 | 1620 | Mon | 938 1 9905 111 84733 | CW | (FN) |
| M12 | 9327 | 31-3-2014 | 1640 | Mon | 938 1 9905 111 84733 | CW | (FN) |
| M12 | 9176 | 31-3-2014 | 1700 | Mon | 257 1 8762 95 55223 | CW | (FN) |
| M12 | 10251 | 31-3-2014 | 1718 | Mon | 333 1 1919 50 50633 37474 63725 ... 01720 000 000 | CW | (Danix) |
| M12 | 7931 | 31-3-2014 | 1720 | Mon | 257 1 8762 95 55223 | CW | (FN) |
| M12 | 6904 | 31-3-2014 | 1740 | Mon | 257 1 8762 95 55223 | CW | (FN) |
| M12 | 10251 | 31-3-2014 | 1756 | Mon | 777 1 213 50 13126 76681 66784 ... 68576 000 000 | CW | (Danix) |
| M12 | 9176 | 31-3-2014 | 1800 | Mon | 257 1 3727 43 75689 | CW | (FN) |
| M12 | 7931 | 31-3-2014 | 1820 | Mon | 257 1 3727 43 75689 | CW | (FN) |
| M12 | 6904 | 31-3-2014 | 1840 | Mon | 257 1 3727 43 75689 | CW | (FN) |
| M12 | 9176 | 31-3-2014 | 1900 | Mon | 257 1 4506 109 42150 | CW | (FN) |
| M12 | 7931 | 31-3-2014 | 1920 | Mon | 257 1 4506 109 42150 | CW | (FN) |
| M12 | 6904 | 31-3-2014 | 1940 | Mon | 257 1 4506 109 42150 | CW | (FN) |
| M14 | 6879 | 5-3-2014 | 1855 | Wed | i.p. ... 18958 78257 52695 86038 60343 90650 ... 45659 13892 05043 = = 792 792 118 118 00000 | CW | (JPL-Sib) |
| M14 | 5133 | 5-3-2014 | 1914 | Wed | i.p. ... 07874 79723 91930 47940 10785 10865 ... 81415 34674 90843 = = 264 264 93 93 00000 | CW | (JPL-Sib) |
| M14 | 5148 | 5-3-2014 | 1947 | Wed | i.p. ... 32892 98317 79124 38575 73094 57920 ... 45659 13892 05043 = = 792 792 118 118 00000 | CW | (JPL-Sib) |
| M14 | 9125 | 7-3-2014 | 1700 | Fri | 269 0 | CW | (HFD) |
| M14 | 8193 | 7-3-2014 | 1800 | Fri | 269 0 | CW | (HFD) |
| M14 | 8120 | 11-3-2014 | 0700 | Tue | 362 0 | CW | (HFD) |
| M14 | 5945 | 11-3-2014 | 1820 | Tue | 346 | CW | (HFD) |
| M14 | 5464 | 26-3-2014 | 1920 | Wed | 537 148 020 = 25345 | CW | (HFD) |
| M21 | 6425.5 | 2-3-2014 | 0610 | Sun | Russian Air Defence =991010??0????? | CW | (PPA) |
| M21 | 6911.5 | 4-3-2014 | 1838 | Tue | PVO =992238??8????? | CW | (AB) |
| M21 | 4391 | 6-3-2014 | 0130 | Thu | PVO =990531??0????? | CW | (GCA) |
| M21 | 4904 | 6-3-2014 | 1704 | Thu | PVO =992101??8????? | CW | (MPH/GCA) |
| M21 | 6911.5 | 6-3-2014 | 1843 | Thu | PVO =992243??8????? | CW | (AB) |
| M21 | 4391 | 7-3-2014 | 2248 | Fri | =990250??0??????? | CW | (JPL-Sib) |
| M21 | 8616 | 16-3-2014 | 1833 | Sun | Russian air defence =992233?8????? | CW | (PPA) |
| M21 | 6911.5 | 20-3-2014 | 2200 | Thu | Russian Air Defense =990100??8????? | CW | (Brit) |
| M22 | 6607 | 26-2-2014 | 1801 | Wed | 4XZ: Navy Haifa. 5L messages after VVV DE 4XZ 4XZ = = | CW | (PPA) |
| M22 | 6607 | 20-3-2014 | 2125 | Thu | 4XZ channel marker | CW | (Brit) |
| M22 | 6607 | 22-3-2014 | 2255 | Sat | 4XZ: Israeli Navy, Haifa. VVV DE 4XZ 4XZ | CW | (AAI) |
| M24 | 6836 | 17-3-2014 | 1943 | Mon | i.p., ends: 69314 88916 = 459 107 00000 | CW | (FN) |
| M32 | 6707 | 1-3-2014 | 0348 | Sat | Russian mil. FOND ZHX ZQO ZQM K | CW | (PPA) |
| M32 | 6615.7 | 1-3-2014 | 0406 | Sat | Russian mil. MOJ5 DE 3VKF ZRK ZQW K | CW | (PPA) |
| M32 | 6771 | 1-3-2014 | 0603 | Sat | Russian mil. XXX XXX N1DX N1DX 89449 WREDNYJ 5869 5097 | CW | (PPA) |
| M32 | 5378 | 4-3-2014 | 0323 | Tue | Russian Mil comm check HQMN YUBV LQZ5 | CW | (JC) |
| M32 | 5370 | 4-3-2014 | 0328 | Tue | 6VKC CW Russian Mil "ZSN ZEF ZED QSU1 QyT4 ZHI ZHI K. OK AS. 6VKC RK | CW | (JC) |
| M32 | 6584 | 5-3-2014 | 0331 | Wed | FOND DE 3VKF QSA | CW | (PPA) |
| M32 | 6511 | 5-3-2014 | 0502 | Wed | OZAR: Russian mil. QSA check and QTC to WRWZ header 461 26 5 0900 461 = 179 = 10313 | CW | (PPA) |
| M32 | 5417 | 7-3-2014 | 1550 | Fri | i.p. 47244 14573 30604 ... 28405 22997 07060 = PNZM PNZM PNZM QTC 135 62 7 1745 135 = 225 = 11111 91971 71305 33696 87.42 02287 47244 14573 30604 (Cont'd) | CW | (JPL-Sib) |
| M32 | 6339 | 7-3-2014 | 1857 | Fri | MHTK MHTK MHTK DE S51F R 469 K = MHTK MHTK DE Z45Y RPT 6 K = Z45Y R 469 K. MHTK MHTK MHTK DE JTTB JTTB OK.QTA 469 K = | CW | (JPL-Sib) |
| M32 | 5777 | 7-3-2014 | 2229 | Fri | Z7KN DE V2WL (Cont'd) QSA2 QSA? K K. BK QRU? K. QTC1 Z2C K. AS (Switched to RTTY at 2231z, RYRYRY sequence, 271 14 7 2217 3829 = followed by lots of spaces and then into 5 letter groups. Msg ends at 2237z) | CW/Baudot 50/200 | (JPL-Sib) |
| M32 | 14376 | 8-3-2014 | 0834 | Sat | CIS military X8WR ZFX | CW | (PPA) |
| M32 | 4143 | 14-3-2014 | 2148 | Fri | IPNW DE 7T8Y K R K | CW | (JPL-Sib) |
| M32 | 3601 | 15-3-2014 | 1736 | Sat | AR R? K. = = DE WNAK R NR 418 K | CW | (JPL-Sib) |
| M32 | 8622 | 15-3-2014 | 1934 | Sat | FVBB: Russian mil. FVBB 065 15 2326 065 = ZNL = MMMMMM | CW | (PPA) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|----------------|-------------|
| M32 | 16089 | 17-3-2014 | 1154 | Mon | Russian Mil. 7MX4 sends 5LGs, ends 928 K | CW | (MCO) |
| M32 | 5514 | 17-3-2014 | 1808 | Mon | XEQ9 DE 3C4N R 307? K. 3C4N = ZIC EI K. 3C4N = JVAXS K. 3C4N = JVAXS K | CW | (JPL-Sib) |
| M32 | 4162.5 | 17-3-2014 | 2130 | Mon | Russian Mil: 8PBV | CW | (BCI) |
| M32 | 2096 | 18-3-2014 | 2212 | Tue | Russian Mil: KCIA | CW | (BCI) |
| M32 | 7965 | 20-3-2014 | 0701 | Thu | Russian Mil: I7IW | CW | (BCI) |
| M32 | 3553 | 21-3-2014 | 0217 | Fri | VHGS: Russian mil. VHGS 5FG messages to SSXK | CW | (JC5) |
| M32 | 7703 | 22-3-2014 | 2007 | Sat | Russian mil. PJJJ DE 1J6P QSA? | CW | (PPA) |
| M32 | 3552 | 23-3-2014 | 1623 | Sun | X14S DE ZJXQ QTC K. XJ4S QRV K. ZJX 90131 23 202. 901 = 293 = 21282 23675 30895 00276 74092 (Cont'd) | CW | (JPL-FNL) |
| M32 | 5134 | 24-3-2014 | 1825 | Mon | IK7R DE MM8T K | CW | (JPL-Sib) |
| M32 | 22864 | 26-3-2014 | 1105 | Wed | XXX XXX K84F K84F 52972 14809 'EKSTRENNYJ 3455 6708 | CW | (JU) |
| M32 | 14662 | 27-3-2014 | 1210 | Thu | 92844 WALOSEDEEN 7079 4655 00 UUUU XXX XXX after RTTY | CW | (Avare) |
| M32a | 5400 | 4-3-2014 | 0331 | Tue | RKN: Russian Navy with weather traffic | CW | (JC) |
| M32a | 6416 | 5-3-2014 | 0346 | Wed | RLO DE RIT QTC 804 85 5 0746 804 = PROGNOZ POGODY | CW | (PPA) |
| M32a | 6989 | 5-3-2014 | 1909 | Wed | RBL66 DE RAL2 K. RAL2 DE RBL66 QSA1 K. QSA4 ZNN ZNN SK SK | CW | (JPL-Sib) |
| M32a | 14556 | 8-3-2014 | 0819 | Sat | Navy HQ Moscow RMDZ DE RIW | CW | (PPA) |
| M32a | 11155 | 11-3-2014 | 1814 | Tue | Navy Severomorsk RAL46 DE RIT QSA? | CW | (PPA) |
| M32a | 4273 | 14-3-2014 | 2150 | Fri | 65923 36214 08048 11271 15042 = | CW | (JPL-Sib) |
| M32a | 6989 | 17-3-2014 | 2052 | Mon | DE RAL2 K. RAL2 DE RHQ2 QSA4 K. QSA4 ZNN. ZNNN VA | CW | (JPL-Sib) |
| M32a | 10540 | 20-3-2014 | 0136 | Thu | Russian navy: RAL48 | CW | (w2dsx) |
| M32c | 8029 | 5-3-2014 | 1820 | Wed | W-markers | CW | (Tom) |
| M32c | 8170 | 5-3-2014 | 1940 | Wed | Bear Net: W4H1 DE SY6U QSA? TRL5 DE SY6U QSA? W4H1 DE SY6U QSA? | CW | (Topol) |
| M32c | 8029 | 5-3-2014 | 2000 | Wed | Bear Net: W-markers at 2000, 2040, 2100, 2120, 2200, 2220, 2240 UTC | CW | (Topol) |
| M32c | 8029 | 5-3-2014 | 2000 | Wed | W-marker at 2000, 2040,2100, 2120, 2200, 2220, 2240 UTC | CW | (Topol) |
| M32c | 8170 | 5-3-2014 | 2257 | Wed | MWTL DE SY6U QSA? QTC K | CW | (Tom) |
| M32c | 8029 | 13-3-2014 | 1728 | Thu | G Markers 1728 and 1800 UTC | CW | (Tom) |
| M32c | 8029 | 13-3-2014 | 1820 | Thu | W and G Markers at 1820, 1920, 2040 UTC | CW | (Tom/AB) |
| M32c | 13404 | 14-3-2014 | 0853 | Fri | 0869 7129 7152 6291 5070 8410 4726 1465 6344 4381 7708 5942 8382 7016 3436 3963 3519 3001 1462 1419 | CW | (Topol) |
| M32c | 8029 | 14-3-2014 | 1020 | Fri | W marker at 1120, 1140 UTC | CW | (Topol) |
| M32c | 8029 | 18-3-2014 | 1220 | Tue | W Markers at 1220, 1300 UTC | CW | (Tom) |
| M32c | 8029 | 20-3-2014 | 1702 | Thu | W-marker at 1702, 1740 and 1800 UTC | CW | (JE-HOL) |
| M32c | 8029 | 22-3-2014 | 0820 | Sat | W-marker ends with "K" | CW | (AB) |
| M32c | 8029 | 26-3-2014 | 1940 | Wed | W Markers at 1200, 1840, 1900, 1920, 1940, 2000, 2021 UTC | CW | (Tom) |
| M32c | 8029 | 26-3-2014 | 2140 | Wed | Z Markers at 2140, 2200, 2220 UTC | CW | (Tom) |
| M42 | 6795 | 25-2-2014 | 0456 | Tue | RXZ32: St.Petersburg idling | Baudot 50/500 | (PPA) |
| M42 | 20944 | 3-3-2014 | 1107 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 18655 | 3-3-2014 | 1110 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 16214 | 3-3-2014 | 1121 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 14833 | 3-3-2014 | 1430 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 12176 | 3-3-2014 | 1438 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 10548 | 3-3-2014 | 1450 | Mon | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 16023 | 4-3-2014 | 0133 | Tue | Russian diplo. 11177 00117 26481 03010 01709 | Baudot 200/500 | (MCO) |
| M42 | 16320 | 4-3-2014 | 0150 | Tue | Russian diplo/intel. Messages on links 13366, 33087, 63645 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 4-3-2014 | 0230 | Tue | Russian diplo/intel. Messages on links 28690, 40991, 57400, 40986 | FSK 200/1000 | (Dan) |
| M42 | 19202 | 4-3-2014 | 0737 | Tue | Russian diplo | CROWD-36 | (PH) |
| M42 | 22860 | 4-3-2014 | 0841 | Tue | Russian diplo. | CROWD-36 | (linkz) |
| M42 | 20428 | 4-3-2014 | 0910 | Tue | Russian diplo/intel. Msg on link 16396 | FSK 200/1000 | (PH) |
| M42 | 13983 | 4-3-2014 | 0948 | Tue | Russian Intel. | FSK 200/500 | (linkz) |
| M42 | 16351 | 4-3-2014 | 1100 | Tue | Russian Intel. | FSK 200/500 | (linkz) |
| M42 | 13379 | 4-3-2014 | 1112 | Tue | Russian Intel. | FSK 200/500 | (linkz) |
| M42 | 20856 | 4-3-2014 | 1120 | Tue | Russian diplo/intel. Msg on link 01123 | FSK 200/1000 | (PH) |
| M42 | 11068 | 4-3-2014 | 1126 | Tue | Russian Intel. | FSK 200/500 | (linkz) |
| M42 | 20637 | 4-3-2014 | 1200 | Tue | Russian diplo/intel. Msg on link 32799 | FSK 200/1000 | (PH) |
| M42 | 20361 | 4-3-2014 | 1400 | Tue | Russian diplo/intel. Msg on link 32799 | FSK 200/1000 | (PH) |
| M42 | 7857 | 4-3-2014 | 1918 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 9042 | 4-3-2014 | 1918 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 11164 | 4-3-2014 | 1918 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 9136 | 4-3-2014 | 1923 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 10193 | 4-3-2014 | 2215 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|--------------|-------------|
| M42 | 10297 | 4-3-2014 | 2215 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 8174 | 4-3-2014 | 2223 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 9063 | 4-3-2014 | 2225 | Tue | Russian Intel. | FSK 200/1000 | (linkz) |
| M42 | 20666 | 5-3-2014 | 0829 | Wed | Russian diplo | CROWD-36 | (PH) |
| M42 | 20691 | 5-3-2014 | 1000 | Wed | Russian diplo/intel. Msgs on link 49202 | FSK 200/1000 | (PH) |
| M42 | 19324 | 5-3-2014 | 1340 | Wed | Russian diplo/intel. Msgs on link 49162 | FSK 200/1000 | (PH) |
| M42 | 16320 | 6-3-2014 | 0150 | Thu | Russian diplo/intel. Messages on links 00158, 13843, 57716, 57658, 41022, 41018 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 6-3-2014 | 0230 | Thu | Russian diplo/intel. Messages on links 34753, 63518, 57726 | FSK 200/1000 | (Dan) |
| M42 | 7602 | 6-3-2014 | 2000 | Thu | Russian diplo/intel 7 49 | FSK 200/500 | (HFD) |
| M42 | 5756 | 6-3-2014 | 2010 | Thu | Russian diplo/intel 7 49 | FSK 200/500 | (HFD) |
| M42 | 4469 | 6-3-2014 | 2020 | Thu | Russian diplo/intel 7 49 | FSK 200/500 | (HFD) |
| M42 | 16320 | 7-3-2014 | 0150 | Fri | Russian diplo/intel. Messages on links 29750, 29758, 41018, 41023, 65278, 41022 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 7-3-2014 | 0230 | Fri | Russian diplo/intel. Messages on links 13430, 13366, 41018, 41022, 55312, 57402 | FSK 200/1000 | (Dan) |
| M42 | 16342 | 7-3-2014 | 0751 | Fri | Russian diplo/intel. | FSK 200/1000 | (linkz) |
| M42 | 20428 | 7-3-2014 | 0910 | Fri | Russian diplo/intel. Msgs on link 16396 | FSK 200/1000 | (PH) |
| M42 | 20428 | 7-3-2014 | 0913 | Fri | Russian diplo/intel. | FSK 200/1000 | (linkz) |
| M42 | 20185 | 7-3-2014 | 0916 | Fri | Russian diplo | CROWD-36 | (PH) |
| M42 | 18723 | 7-3-2014 | 0919 | Fri | Russian diplo/intel. | FSK 200/1000 | (linkz) |
| M42 | 20944 | 7-3-2014 | 1100 | Fri | Russian diplo/intel. Msgs on link 16396 | FSK 200/1000 | (PH) |
| M42 | 10548 | 7-3-2014 | 1450 | Fri | Russian diplo/intel. Msgs on link ? | FSK 200/1000 | (PH) |
| M42 | 16211 | 8-3-2014 | 0318 | Sat | Russian diplo/intel. Tfc on link 32799 | FSK 200/1000 | (linkz) |
| M42 | 14426 | 8-3-2014 | 0328 | Sat | Russian diplo/intel. Tfc on link 32799 | FSK 200/1000 | (linkz) |
| M42 | 18437 | 8-3-2014 | 1300 | Sat | msg Russian diplo/intel 6 48 | FSK 200/500 | (HFD) |
| M42 | 16305 | 8-3-2014 | 1310 | Sat | msg Russian diplo/intel 6 48 | FSK 200/500 | (HFD) |
| M42 | 14719 | 8-3-2014 | 1320 | Sat | msg Russian diplo/intel 6 48 | FSK 200/500 | (HFD) |
| M42 | 16111 | 9-3-2014 | 0930 | Sun | Russian diplo/intel | FSK 200/1000 | (linkz) |
| M42 | 18948 | 9-3-2014 | 1000 | Sun | Russian diplo/intel | FSK 200/1000 | (linkz) |
| M42 | 16223 | 9-3-2014 | 1010 | Sun | Russian diplo/intel | FSK 200/1000 | (linkz) |
| M42 | 14639 | 9-3-2014 | 1020 | Sun | Russian diplo/intel | FSK 200/1000 | (linkz) |
| M42 | 12184 | 9-3-2014 | 1810 | Sun | Russian diplo/intel | FSK 200/1000 | (MPJ) |
| M42 | 16320 | 10-3-2014 | 0150 | Mon | Russian diplo/intel. Messages on links 13366, 29718, 41023, 57403 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 10-3-2014 | 0230 | Mon | Russian diplo/intel. Messages on links 41022, 02193 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 11-3-2014 | 0150 | Tue | Russian diplo/intel. Messages on links 24634, 65395, 53397 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 11-3-2014 | 0230 | Tue | Russian diplo/intel. Messages on links 57658, 06027, 41018, 45093, 40962 | FSK 200/1000 | (Dan) |
| M42 | 10642 | 11-3-2014 | 2230 | Tue | Russian diplo/intel. Messages on links 46102, 12116, 57660, 00179 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 12-3-2014 | 0150 | Wed | Russian diplo/intel. Messages on links 08383, 24954 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 12-3-2014 | 0230 | Wed | Russian diplo/intel. Messages on links 40988, 24527, 41018, 19279, 41022, 61365, 06770 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 13-3-2014 | 0150 | Thu | Russian diplo/intel. | FSK 200/1000 | (Dan) |
| M42 | 14880 | 13-3-2014 | 0230 | Thu | Russian diplo/intel. Messages on links 41018, 22594, 45114, 32826 | FSK 200/1000 | (Dan) |
| M42 | 10537 | 13-3-2014 | 1610 | Thu | Russian diplo | CROWD-36 | (PH) |
| M42 | 14880 | 14-3-2014 | 0230 | Fri | Russian diplo/intel. Messages on links 13430, 00024, 20772, 41018, 41050, 00026, 32794 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 17-3-2014 | 0150 | Mon | Russian diplo/intel. Messages on links 16644, 33134, 02429, 00058 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 17-3-2014 | 0230 | Mon | Russian diplo/intel. Messages on link 17378 | FSK 200/1000 | (Dan) |
| M42 | 14467 | 17-3-2014 | 0745 | Mon | Russian diplo | CROWD-36 | (PH) |
| M42 | 10942 | 17-3-2014 | 0756 | Mon | Russian diplo | CROWD-36 | (PH) |
| M42 | 18277 | 17-3-2014 | 1108 | Mon | Russian diplo | CROWD-36 | (PH) |
| M42 | 11438 | 17-3-2014 | 1640 | Mon | Russian diplo | CROWD-36 | (Avare) |
| M42 | 16320 | 18-3-2014 | 0150 | Tue | Russian diplo/intel. | FSK 200/1000 | (Dan) |
| M42 | 14880 | 18-3-2014 | 0230 | Tue | Russian diplo/intel. Messages on links 13362, 08440, 15062, 59946, 32826 | FSK 200/1000 | (Dan) |
| M42 | 10642 | 18-3-2014 | 2230 | Tue | Russian diplo/intel. Messages on links 46134, 04110, 40974, 00000, 28680, 40988, 61468, 61464, 61470, 61500 | FSK 200/1000 | (Dan) |
| M42 | 14570 | 19-3-2014 | 0727 | Wed | Tentative Russian diplo | MFSK 66 Tone | (PH) |
| M42 | 14411 | 19-3-2014 | 0732 | Wed | Russian diplo | CROWD-36 | (PH) |
| M42 | 14395 | 19-3-2014 | 0733 | Wed | Russian diplo | CROWD-36 | (PH) |
| M42 | 14636 | 19-3-2014 | 0752 | Wed | Tentative Russian diplo | MFSK 66 Tone | (PH) |
| M42 | 16106 | 19-3-2014 | 0758 | Wed | Russian diplo | CROWD-36 | (PH) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
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| M42 | 18280 | 19-3-2014 | 0812 | Wed | Tentative Russian diplo | MFSK 66 Tone | (PH) |
| M42 | 20666 | 19-3-2014 | 0855 | Wed | Russian diplo | CROWD-36 | (PH) |
| M42 | 18900 | 19-3-2014 | 0911 | Wed | Tentative Russian diplo | MFSK 66 Tone | (PH) |
| M42 | 20550 | 19-3-2014 | 0911 | Wed | Tentative Russian diplo | MFSK 66 Tone | (PH) |
| M42 | 18715 | 19-3-2014 | 1059 | Wed | Russian diplo | CROWD-36 | (PH) |
| M42 | 16320 | 20-3-2014 | 0150 | Thu | Russian diplo/intel. | FSK 200/1000 | (Dan) |
| M42 | 14880 | 20-3-2014 | 0230 | Thu | Russian diplo/intel. | FSK 200/1000 | (Dan) |
| M42 | 18695 | 20-3-2014 | 1241 | Thu | Tentative Russian diplo. When this ended at 1251 UTC the X06 on 19405 ended seconds later | MFSK 66 Tone | (PH) |
| M42 | 16153 | 20-3-2014 | 2338 | Thu | Russian diplo/intel. | FSK 200/1000 | (BCI) |
| M42 | 14404.5 | 20-3-2014 | 2345 | Thu | Russian diplo | CROWD-36 | (BCI) |
| M42 | 16320 | 21-3-2014 | 0150 | Fri | Russian diplo/intel. Messages on links 13366, 41018, 38991, 61498 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 21-3-2014 | 0230 | Fri | Russian diplo/intel. Messages on link 41022 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 24-3-2014 | 0150 | Mon | Russian diplo/intel. Messages on links 41018, 41022, 34524, 41082 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 24-3-2014 | 0230 | Mon | Russian diplo/intel. Messages on links 13366, 41018, 40986, 20521, 41016, 32768, 41086 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 25-3-2014 | 0150 | Tue | Russian diplo/intel. Messages on links 00184, 17981, 62783, 41266, 41018 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 25-3-2014 | 0230 | Tue | Russian diplo/intel. Messages on links 13366, 01078, 41018, 59614, 40984, 24633, 00032, 18237 | FSK 200/1000 | (Dan) |
| M42 | 14635 | 25-3-2014 | 1310 | Tue | Russian diplo. QSX 15718 kHz | 66 Tone MFSK | (Avare) |
| M42 | 15718 | 25-3-2014 | 1310 | Tue | Russian diplo. QSX 14635 kHz | 66 Tone MFSK | (Avare) |
| M42 | 14630 | 25-3-2014 | 1312 | Tue | Russian diplo | CROWD-36 | (Avare) |
| M42 | 14656 | 25-3-2014 | 1312 | Tue | Russian diplo | CROWD-36 | (Avare) |
| M42 | 8603 | 25-3-2014 | 1805 | Tue | Russian diplo i.p. | CROWD-36 | (AB) |
| M42 | 10642 | 25-3-2014 | 2230 | Tue | Russian diplo/intel. Messages on links 13366, 13951, 65535, 29726, 31798, 15999, 29750, 32382, 61599 | FSK 200/1000 | (BCI) |
| M42 | 16320 | 27-3-2014 | 0150 | Thu | Russian diplo/intel. Messages on links 57700, 41022, 41018, 41002, 32830 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 27-3-2014 | 0230 | Thu | Russian diplo/intel. Messages on links 45490, 32816, 32778, 00016, 17163, 25586 | FSK 200/1000 | (Dan) |
| M42 | 16320 | 28-3-2014 | 0150 | Fri | Russian diplo/intel. Messages on links 13366, 41018 | FSK 200/1000 | (Dan) |
| M42 | 14880 | 28-3-2014 | 0230 | Fri | Russian diplo/intel. Messages on links 13362, 45545, 40053, 00033 | FSK 200/1000 | (Dan) |
| M42a | 7697 | 5-3-2014 | 2052 | Wed | GRU HFDF net VVVV 44239 19555 45624 62778 K VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV VVVV 3K 3K | CW | (BCI) |
| M42a | 13435 | 11-3-2014 | 1923 | Tue | GRU HFDF net. Only VVV VVV VVV NW | CW | (PPA) |
| M51 | 23189.6 | 6-3-2014 | 1222 | Thu | 5LGs offline crypto French MIL Intel, Favieres | CW | (MCO) |
| M51 | 5453 | 7-3-2014 | 1726 | Fri | CSTEI Favieres/Verno = REVPT JJAYT BFMR PHDTD ...ö | CW | (SP1) |
| M51 | 9461 | 8-3-2014 | 1705 | Sat | in progress | CW | (RWO) |
| M51 | 9213 | 10-3-2014 | 1851 | Mon | 5L message after nr 88 m 10 19:50:02 2014 = vvtxk | CW | (PPA) |
| M51 | 19632.6 | 12-3-2014 | 1125 | Wed | 5LGs offline crypto French MIL Intel, Favieres | CW | (MCO) |
| M51 | 10796 | 17-3-2014 | 0058 | Mon | 5LGs offline crypto French MIL Intel, Favieres | CW | (MCO) |
| M51 | 9213 | 24-3-2014 | 1538 | Mon | i.p. 5LGs = NR 78 M 24 16:40 etc | CW | (AB) |
| M51 | 6234.5 | 25-3-2014 | 1627 | Tue | NR 11 M 25 17:28:05 2014 BT YHDOA NXLGQ OLTCTN HTKCM YIKCK ... | CW | (MPJ) |
| M51 | 8016 | 28-3-2014 | 1745 | Fri | Nr 44 A 01 18:46:27 2014 = UXWEA SEERO QMQEX ... | CW | (MPJ) |
| M51 | 5453 | 30-3-2014 | 1254 | Sun | in progress | CW | (AB) |
| M89 | 7810 | 25-2-2014 | 1250 | Tue | DE DP91 CL K. DP8291 QSA 3 U? (see N&O 198) | CW | (JPL) |
| M89 | 3330 | 28-2-2014 | 1352 | Fri | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 28-2-2014 | 1355 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 28-2-2014 | 1355 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 3820 | 28-2-2014 | 1356 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 28-2-2014 | 1356 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 5555 | 28-2-2014 | 1402 | Fri | In chat: VV 6G. VV T. VV VV USB USB QSA 2 K. VV VV | CW | (JPL) |
| M89 | 3642 | 28-2-2014 | 1415 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 28-2-2014 | 1415 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3247 | 28-2-2014 | 1418 | Fri | In tfc: 3UND 743T 537N 6DTT 44NA (see N&O 198) | CW | (JPL) |
| M89 | 4132 | 28-2-2014 | 2106 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) //4886 | CW | (JPL) |
| M89 | 4886 | 28-2-2014 | 2106 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) //4132 | CW | (JPL) |
| M89 | 3330 | 28-2-2014 | 2109 | Fri | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 28-2-2014 | 2112 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 28-2-2014 | 2112 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3797 | 28-2-2014 | 2114 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 4512 | 28-2-2014 | 2114 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 3820 | 28-2-2014 | 2117 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 28-2-2014 | 2117 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 8073 | 3-3-2014 | 1203 | Mon | Voice transmission: 4601941 6 6 42 808 030 304 1 21 2 (see N&O 198) | USB | (JPL) |
| M89 | 7777 | 4-3-2014 | 1143 | Tue | In callup: SR3H SR3H SR3H DE FGH8 FGH8 CI (see N&O 198) | CW | (JPL) |
| M89 | 16720 | 4-3-2014 | 1157 | Tue | V 8DKB (x3) DE ODY8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 8073 | 4-3-2014 | 1201 | Tue | In callup: 3D3 4DT 4D6 ... Note 3 fig groups vice the usual 4 (see N&O 198) | CW | (JPL) |
| M89 | 3820 | 4-3-2014 | 1356 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 4-3-2014 | 1356 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3330 | 4-3-2014 | 1405 | Tue | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 4-3-2014 | 1407 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 4-3-2014 | 1407 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 5500 | 4-3-2014 | 1414 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 4860 | 4-3-2014 | 1420 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 4-3-2014 | 1420 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 5230 | 4-3-2014 | 1725 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 4-3-2014 | 1725 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230 | CW | (JPL) |
| M89 | 4131 | 4-3-2014 | 1727 | Tue | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8110 | 5-3-2014 | 0134 | Wed | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 5-3-2014 | 0147 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 5-3-2014 | 0147 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8072 | 5-3-2014 | 0152 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 5-3-2014 | 1054 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5588 | 5-3-2014 | 1055 | Wed | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5555.5 | 5-3-2014 | 1101 | Wed | In chat, slightly off freq. NR 33 CK 99 14 03 04 1340 RMKS 7062 TO 7037 AA K (see N&O 198) | CW | (JPL) |
| M89 | 8073 | 5-3-2014 | 1200 | Wed | In tfc: 4T3N N344 73D4 (Cont'd) IIII = N34T TANN? ND4TT54DT4D64? 3UDT AR AR | CW | (JPL) |
| M89 | 3642 | 5-3-2014 | 1622 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 5-3-2014 | 1622 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3797 | 5-3-2014 | 1625 | Wed | V H2FL (x3) DE DRV8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 5-3-2014 | 1627 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 5-3-2014 | 1627 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4131 | 5-3-2014 | 1633 | Wed | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 5-3-2014 | 2305 | Wed | VVV GKLO DE TYUI (repeated) | CW | (Topol) |
| M89 | 3642 | 6-3-2014 | 0113 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 6-3-2014 | 0113 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 8072 | 6-3-2014 | 0119 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5719 | 6-3-2014 | 0133 | Thu | SKDP DE DP91 FO? 02M. DP6.91 QSA 2 U K (see N&O 198) | CW | (JPL) |
| M89 | 7602 | 6-3-2014 | 0340 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 4860 | 6-3-2014 | 1120 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 6-3-2014 | 1120 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 | CW | (JPL) |
| M89 | 10180 | 6-3-2014 | 1125 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 6-3-2014 | 1127 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5757 | CW | (JPL) |
| M89 | 5657 | 6-3-2014 | 1127 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3330 | 6-3-2014 | 1129 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 6-3-2014 | 1130 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 6-3-2014 | 1130 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 6666 | 6-3-2014 | 1132 | Thu | In tfc: U6ND T36D ANAU NAAU 37N4 N665 UT5N (Cont'd) | CW | (JPL) |
| M89 | 8073 | 6-3-2014 | 1138 | Thu | In tfc: 437U 64TN 4D4N D7T4 N754 A5N6 (Cont'd) | CW | (JPL) |
| M89 | 8073 | 6-3-2014 | 1157 | Thu | In tfc: II 4P GA = = 77.3. 7373 4. NN34 4646 (Cont'd) AR AR | CW | (JPL) |
| M89 | 6887 | 6-3-2014 | 1235 | Thu | In tfc: RNR 21 K. R U EEE R U 2130 CK LU2 K. R HR K. M OK VV 00NV DE 8PPY K | CW | (JPL) |
| M89 | 5555 | 6-3-2014 | 1741 | Thu | In tfc: U436 43U5 AR K. 4W = 575A AR K. 5W = U... AR K. 11W = D5DD AR K = D5DD AR K = D5DD AR K | CW | (JPL) |
| M89 | 5177 | 6-3-2014 | 1758 | Thu | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 4321 | 6-3-2014 | 1957 | Thu | In tfc: AR K. = = A775 A775 AR K. = = N3NT NNT AR K. FM 36 EEEEEOK SK SK | CW | (JPL) |
| M89 | 4367 | 6-3-2014 | 2001 | Thu | In tfc: VV B.N4 DE SE4F K. R ESW1 DE ES2X R QSA2 QSA? K | CW | (JPL) |
| M89 | 5801 | 7-3-2014 | 1058 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 7-3-2014 | 1058 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|-------------|
| M89 | 8021 | 7-3-2014 | 1106 | Fri | In tfc: TTTN UNA6 .A.. UTD4 (Cont'd) AR K. 3P K. RPT 85W BT UTDN CW C K | | (JPL) |
| M89 | 5657 | 7-3-2014 | 1139 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 7-3-2014 | 1209 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 7-3-2014 | 1209 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3330 | 7-3-2014 | 1213 | Fri | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 7-3-2014 | 1214 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 7-3-2014 | 1214 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 5555 | 7-3-2014 | 1217 | Fri | In tfc: 3456 05 VVV 05 05 (Always long zero) VVVV W5 R K K | CW | (JPL) |
| M89 | 3642 | 7-3-2014 | 1532 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 7-3-2014 | 1532 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 4131 | 7-3-2014 | 1536 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5346 | 7-3-2014 | 1541 | Fri | In tfc: N45D D7T3 UT75 NN3N (Cont'd) AR K K R R NIL GB SK | CW | (JPL) |
| M89 | 3330 | 7-3-2014 | 2217 | Fri | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 7-3-2014 | 2218 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 7-3-2014 | 2218 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3797 | 7-3-2014 | 2219 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 7-3-2014 | 2219 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4860 | 7-3-2014 | 2220 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 7-3-2014 | 2220 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3820 | 7-3-2014 | 2225 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 7-3-2014 | 2225 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4131 | 7-3-2014 | 2226 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 7602 | 9-3-2014 | 2024 | Sun | V DKG6 de 3A7D | CW | (MPJ) |
| M89 | 5801 | 10-3-2014 | 0157 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 10-3-2014 | 0157 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8900 | 10-3-2014 | 0205 | Mon | In tfc: 5N7T UTU5 574N UA34 D545 (Cont'd) | CW | (JPL) |
| M89 | 8072 | 10-3-2014 | 0237 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 10-3-2014 | 1003 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 10-3-2014 | 1003 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8110 | 10-3-2014 | 1011 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 10-3-2014 | 1013 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5236 | 10-3-2014 | 1019 | Mon | In tfc: T773 III = AT6D 54UU 5DN7 573N UTDU A7DN N ? N446 734N (Cont'd) | CW | (JPL) |
| M89 | 4512 | 10-3-2014 | 2020 | Sun | v H2FL H2FL H2FL de DRV8 DRV8 | CW | (FN) |
| M89 | 8072 | 11-3-2014 | 0143 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //10421 | CW | (JPL) |
| M89 | 10421 | 11-3-2014 | 0143 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 8110 | 11-3-2014 | 0147 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 8101 | 11-3-2014 | 0155 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 11-3-2014 | 0155 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //8101 | CW | (JPL) |
| M89 | 8395 | 11-3-2014 | 0203 | Tue | CQ CQ CQ DE DP91 DP91 K (Cont'd) PSE YA TY ALL TO HR WK A HR NIL SK GB (Cont'd) | CW | (JPL) |
| M89 | 5546 | 11-3-2014 | 0219 | Tue | In tfc: AR K (In tfc) R RPT 19W = 7NDA 7NDA AR K. R GA | CW | (JPL) |
| M89 | 8072 | 11-3-2014 | 0800 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //10421 | CW | (JPL) |
| M89 | 10421 | 11-3-2014 | 0800 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 6773 | 11-3-2014 | 0805 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 8101 | 11-3-2014 | 0812 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 8101 | 11-3-2014 | 0812 | Tue | 7804 NEEEE RMKS 6457 TO 6524 68.. 6.04 6634 6678 6575 6808 6527 = (see N&O 198) | CW | (JPL) |
| M89 | 10180 | 11-3-2014 | 0812 | Tue | 7804 NEEEE RMKS 6457 TO 6524 68.. 6.04 6634 6678 6575 6808 6527 = (see N&O 198) | CW | (JPL) |
| M89 | 6666 | 11-3-2014 | 0845 | Tue | In tfc: 7A3T ..TN D363 TNT4 DA6T TAN6 (Cont'd) III BT 5574 57 AR | CW | (JPL) |
| M89 | 3820 | 11-3-2014 | 1317 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 11-3-2014 | 1317 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4225 | 11-3-2014 | 1318 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 | CW | (JPL) |
| M89 | 5500 | 11-3-2014 | 1318 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 | CW | (JPL) |
| M89 | 4860 | 11-3-2014 | 1320 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 11-3-2014 | 1320 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3797 | 11-3-2014 | 1326 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 11-3-2014 | 1326 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3330 | 11-3-2014 | 1327 | Tue | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5555 | 11-3-2014 | 1332 | Tue | In tfc: RRR QSA. HR 05 05 50 50 DE NR 045/EX ..KS 328. .. (see N&O 198) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 10421 | 12-3-2014 | 0827 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 12-3-2014 | 0837 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 12-3-2014 | 0837 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 12-3-2014 | 0843 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 10180 | 12-3-2014 | 0853 | Wed | = CL/1730/ZBT/6457/6524 AR AR QSL ? HR WK NR 27 V DKG6 DE 3A7D | CW | (JPL) |
| M89 | 4860 | 12-3-2014 | 2120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 12-3-2014 | 2120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3820 | 12-3-2014 | 2125 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 12-3-2014 | 2125 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3330 | 12-3-2014 | 2127 | Wed | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5230 | 12-3-2014 | 2129 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 12-3-2014 | 2130 | Wed | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 12-3-2014 | 2130 | Wed | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 5304 | 12-3-2014 | 2147 | Wed | In tfc: 1EEEE RMKS 5898 TO 86.. K R = 5DA3 6TD5 NTUN U657 T4DN 37TA .DT7 DD5. TA63 TTAD (Cont'd) AR K R R SK GB | CW | (JPL) |
| M89 | 8072 | 13-3-2014 | 0145 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5230 | 13-3-2014 | 0148 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 13-3-2014 | 0148 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230 | CW | (JPL) |
| M89 | 5801 | 13-3-2014 | 0149 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 13-3-2014 | 0149 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8395 | 13-3-2014 | 0157 | Thu | CQ CQ CQ DE DP91 DP91 V PSE KK XXX ST ST ST KK LL TO HR AHR NIL SK GB | CW | (JPL) |
| M89 | 8072 | 13-3-2014 | 0758 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 13-3-2014 | 0800 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 13-3-2014 | 0800 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 6840 | 13-3-2014 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640 | CW | (JPL) |
| M89 | 10640 | 13-3-2014 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 5555 | 13-3-2014 | 0835 | Thu | In chat: QSL 162? 1637 OK TKS (Both stations on this frequency) EEEEE (see N&O 198) | CW | (JPL) |
| M89 | 6936 | 13-3-2014 | 0904 | Thu | In tfc: 170 = W W = = = = = (see N&O 198) | CW | (JPL) |
| M89 | 5678 | 13-3-2014 | 1237 | Thu | CQ DE H5VI CQ DE H5VI IK H.EEEEE S EEE 05 05 05 05 05 (see N&O 198) | CW | (JPL) |
| M89 | 3820 | 13-3-2014 | 1307 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 13-3-2014 | 1307 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 S | CW | (JPL) |
| M89 | 3330 | 13-3-2014 | 1310 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 7788 | 13-3-2014 | 1406 | Thu | In tfc: NTU6 AUTD AR K EEEEEEEEE QSL? QSL? K. R R SK | CW | (JPL) |
| M89 | 6636 | 13-3-2014 | 1413 | Thu | In tfc: TAT5 TAT5 196W 196II 196 III 196W 196W = = T4DA T4DA (see N&O 198) | CW | (JPL) |
| M89 | 5667 | 13-3-2014 | 1424 | Thu | In tfc: 34N6 6N7D NA43 5DU7 63T4 (Cont'd) | CW | (JPL) |
| M89 | 3820 | 13-3-2014 | 1431 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 13-3-2014 | 1431 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3642 | 13-3-2014 | 1433 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 13-3-2014 | 1433 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 5710 | 13-3-2014 | 1503 | Thu | In tfc: MSG NR 330A CK 100 EX 0313 2300 = (see N&O 198) | CW | (JPL) |
| M89 | 4131 | 13-3-2014 | 1525 | Thu | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 7860 | 13-3-2014 | 1528 | Thu | In tfc: 5NA4 N6U3 4A3D 5T63 4T3D (Cont'd) AR K R SK SK | CW | (JPL) |
| M89 | 3330 | 13-3-2014 | 2110 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 13-3-2014 | 2111 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 13-3-2014 | 2111 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3797 | 13-3-2014 | 2112 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 13-3-2014 | 2112 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3820 | 13-3-2014 | 2114 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 13-3-2014 | 2114 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4860 | 13-3-2014 | 2120 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 13-3-2014 | 2120 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 4444 | 14-3-2014 | 1033 | Fri | In tfc: = 3N4A 3D75 6DD4 56N7 (Cont'd) AR 05 5 33.33453 AR AR 055 055 335564 = AU3. 5677 D.. (Cont'd) | CW | (JPL) |
| M89 | 4131 | 14-3-2014 | 1034 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 14-3-2014 | 1051 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 10180 | 14-3-2014 | 1053 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 14-3-2014 | 1056 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 5657 | 14-3-2014 | 1153 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 5801 | 14-3-2014 | 1157 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 14-3-2014 | 1157 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 5177 | 14-3-2014 | 1937 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5171 | 14-3-2014 | 1940 | Fri | In tfc: DDA6 .4DN D3NA 6AU6 (Cont'd) AR K R R GA | CW | (JPL) |
| M89 | 8395 | 15-3-2014 | 0208 | Sat | i.p. HR TC FREQ AHR NIL SK GB PSE K K (see N&O 198) | CW | (JPL) |
| M89 | 5801 | 15-3-2014 | 0217 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 15-3-2014 | 0217 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 6840 | 15-3-2014 | 0220 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640 | CW | (JPL) |
| M89 | 10640 | 15-3-2014 | 0220 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 8072 | 15-3-2014 | 0239 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 17223 | 15-3-2014 | 0242 | Sat | In tfc: UAN5 4AD4 7UAN N4D3 3T7U (Cont'd) AR (see N&O 198) | CW | (JPL) |
| M89 | 8072 | 15-3-2014 | 0951 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5588 | 15-3-2014 | 0954 | Sat | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8395 | 15-3-2014 | 1001 | Sat | CQ CQ CQ DE DP91 DP91 V. PSE ALL LL TO HR = | CW | (JPL) |
| M89 | 5801 | 15-3-2014 | 1102 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 15-3-2014 | 1102 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8072 | 15-3-2014 | 1103 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5773 | 15-3-2014 | 1104 | Sat | In tfc: U5.T 764N 64D6 7D6A (Cont'd) AR K. R RPT 1W K (see N&O 198) | CW | (JPL) |
| M89 | 3820 | 15-3-2014 | 1130 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 15-3-2014 | 1130 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3797 | 15-3-2014 | 1136 | Sat | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 15-3-2014 | 1136 | Sat | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3330 | 15-3-2014 | 1138 | Sat | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8110 | 15-3-2014 | 1143 | Sat | In tfc: DA76 67ND 45U5 4... (Cont'd) AR (see N&O 198) | CW | (JPL) |
| M89 | 6840 | 15-3-2014 | 1320 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K | CW | (JPL) |
| M89 | 5177 | 15-3-2014 | 1733 | Sat | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 15-3-2014 | 1735 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 15-3-2014 | 1735 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 16720 | 16-3-2014 | 0912 | Sun | V 8DKB (x3) DE ODY8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 16-3-2014 | 0928 | Sun | 6U36 4N.N N4UN 7UD5 (Cont'd) AR. V GKLO DE TYUI //10421 | CW | (JPL) |
| M89 | 10421 | 16-3-2014 | 0928 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 10180 | 16-3-2014 | 0935 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 8888 | 16-3-2014 | 0939 | Sun | In tfc: 3A4T 4U5A 536U 5TA7 6473 56N5 (Cont'd) | CW | (JPL) |
| M89 | 8072 | 16-3-2014 | 0943 | Sun | TYUI in tfc //10421: /DZ 261. R 18/7670 (see N&O 198) | CW | (JPL) |
| M89 | 5588 | 16-3-2014 | 0950 | Sun | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 16720 | 16-3-2014 | 1146 | Sun | V 8DKB (x3) DE ODY8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 16-3-2014 | 1148 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 16-3-2014 | 1148 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 5801 | 16-3-2014 | 1149 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 16-3-2014 | 1149 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 5317 | 16-3-2014 | 1205 | Sun | In tfc: MSG NR 049 CK 99 86 0316 2000 = (see N&O 198) | CW | (JPL) |
| M89 | 6940 | 16-3-2014 | 1226 | Sun | In tfc: = BCA1/ABC2 AR K. R QSL 2 EEE R QSL 2027 K (see N&O 198) | CW | (JPL) |
| M89 | 3820 | 16-3-2014 | 1950 | Sun | v GKLO GKLO GKLO de TYUI TYUI | CW | (FN) |
| M89 | 5657 | 16-3-2014 | 1950 | Sun | v GKLO GKLO GKLO de TYUI TYUI | CW | (FN) |
| M89 | 3642 | 16-3-2014 | 2019 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 16-3-2014 | 2019 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 6840 | 16-3-2014 | 2020 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K | CW | (JPL) |
| M89 | 3820 | 16-3-2014 | 2025 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 16-3-2014 | 2025 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3797 | 16-3-2014 | 2026 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 16-3-2014 | 2026 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4131 | 16-3-2014 | 2028 | Sun | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 17-3-2014 | 0919 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 17-3-2014 | 0919 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 10674 | 17-3-2014 | 0919 | Mon | In tfc: R QSL .720 K. R WK NR 0073 EEEE R WK NR 0037 K (see N&O 198) | CW | (JPL) |
| M89 | 8072 | 17-3-2014 | 0931 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 6770 | 17-3-2014 | 0934 | Mon | HSM4 in tfc: = 54UA 54UA AR K. R RPT 40W = 3D5A 3D5A AR K (see CW N&O 198) | CW | (JPL) |
| M89 | 6552 | 17-3-2014 | 1002 | Mon | CQ DE DP91 V (Cont'd) HR NIL SK GB DP NIL NIL SK GB NIL SK GB NIL DP.E DP91 NIL ... | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 5801 | 17-3-2014 | 1143 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 17-3-2014 | 1143 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 5366 | 17-3-2014 | 1146 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 8072 | 17-3-2014 | 1146 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //5366 | CW | (JPL) |
| M89 | 5445 | 17-3-2014 | 1150 | Mon | In tfc: 7U6. 6T.. UA4III 05 05 05 ..NR 7G GA PSE CY = AN73 ND.. 65.. CW (Cont'd) | | (JPL) |
| M89 | 3797 | 17-3-2014 | 1212 | Mon | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 17-3-2014 | 1212 | Mon | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3330 | 17-3-2014 | 1213 | Mon | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5445 | 17-3-2014 | 1215 | Mon | In tfc: ? AT64 65N5 3A57 IIII ? 3U67 A6DU 47TA (Cont'd) III | CW | (JPL) |
| M89 | 3330 | 17-3-2014 | 1448 | Mon | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 17-3-2014 | 1450 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 17-3-2014 | 1450 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3565 | 17-3-2014 | 1458 | Mon | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 4270 | 17-3-2014 | 1505 | Mon | In tfc: T4TT DD53 D55A 63A7 AT7D 3UT6 (see N&O 198) | CW | (JPL) |
| M89 | 8072 | 17-3-2014 | 2017 | Mon | V GKLO GKLO GKLO DE TYUI TYUI | CW | (PPA) |
| M89 | 3565 | 17-3-2014 | 2035 | Mon | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 17-3-2014 | 2040 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 17-3-2014 | 2040 | Mon | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4131 | 17-3-2014 | 2042 | Mon | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5367 | 17-3-2014 | 2048 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 8072 | 17-3-2014 | 2048 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //5366 | CW | (JPL) |
| M89 | 8072 | 18-3-2014 | 0046 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 7791 | 18-3-2014 | 0049 | Tue | In tfc: R HR WK NR 18 K. R GA K. R OK GA K. R RPT 40W K (see N&O 198) | CW | (JPL) |
| M89 | 4131 | 18-3-2014 | 0106 | Tue | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 18-3-2014 | 0908 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 8888 | 18-3-2014 | 0910 | Tue | In tfc: U5D4 64UT 3.5T (Cont'd) | CW | (JPL) |
| M89 | 6666 | 18-3-2014 | 0915 | Tue | In tfc: 7UTA TD3U .54D 653T D63N NAT6 (see N&O 198) | CW | (JPL) |
| M89 | 5555 | 18-3-2014 | 0930 | Tue | In tfc: 345T 67 = = = FM FM FM FM III III 5567 D T67DA.43U576N (see N&O 198) | CW | (JPL) |
| M89 | 7582 | 18-3-2014 | 0949 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 8888 | 18-3-2014 | 0953 | Tue | In tfc: DE TYUI VVV GKLO EEEE GKLO GKLO DE TYUI TYUI (see N&O 198) | CW | (JPL) |
| M89 | 3330 | 18-3-2014 | 2017 | Tue | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3565 | 18-3-2014 | 2018 | Tue | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 18-3-2014 | 2019 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 18-3-2014 | 2019 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4860 | 18-3-2014 | 2020 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 18-3-2014 | 2020 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 5555 | 18-3-2014 | 2026 | Tue | In tfc: D57T TDDU 75A6 A3UD DN47 DAUA 7U35 (see N&O 198) | CW | (JPL) |
| M89 | 3642 | 18-3-2014 | 2051 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 18-3-2014 | 2051 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3820 | 18-3-2014 | 2054 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 18-3-2014 | 2054 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4131 | 18-3-2014 | 2057 | Tue | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 10180 | 19-3-2014 | 0929 | Wed | In tfc: R AS AS R EEE NR 059 1730 RMK5 6457 TO 6646 / 6637 = (see N&O 198) | CW | (JPL) |
| M89 | 8072 | 19-3-2014 | 0950 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 3330 | 19-3-2014 | 2004 | Wed | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 19-3-2014 | 2005 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 19-3-2014 | 2005 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3797 | 19-3-2014 | 2006 | Wed | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 19-3-2014 | 2006 | Wed | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3642 | 19-3-2014 | 2016 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 19-3-2014 | 2016 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 7602 | 19-3-2014 | 2159 | Wed | v dkg6 de 3a7d | CW | (Brit) |
| M89 | 8395 | 20-3-2014 | 0156 | Thu | CQ CQ CQ DE DP91 DP91 V. P PSE PH N Q (see N&O 198) | CW | (JPL) |
| M89 | 5801 | 20-3-2014 | 0217 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 20-3-2014 | 0217 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 3820 | 20-3-2014 | 0954 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 8072 | 20-3-2014 | 0954 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5588 | 20-3-2014 | 0958 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 5657 | 20-3-2014 | 1341 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 7602 | 20-3-2014 | 1342 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3330 | 20-3-2014 | 1343 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 20-3-2014 | 1344 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) | CW | (JPL) |
| M89 | 3565 | 20-3-2014 | 1346 | Thu | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 7602 | 20-3-2014 | 1853 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 20-3-2014 | 1904 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 20-3-2014 | 1904 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3565 | 20-3-2014 | 1906 | Thu | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3330 | 20-3-2014 | 2212 | Thu | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3565 | 20-3-2014 | 2213 | Thu | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 20-3-2014 | 2214 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 20-3-2014 | 2214 | Thu | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3820 | 20-3-2014 | 2215 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 20-3-2014 | 2215 | Thu | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4860 | 20-3-2014 | 2220 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 20-3-2014 | 2220 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 16720 | 21-3-2014 | 0310 | Fri | V VTX7 (x3) DE TZ7B (x2) (Cont'd) | CW | (JPL) |
| M89 | 5367 | 21-3-2014 | 1031 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 8072 | 21-3-2014 | 1031 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5367 | CW | (JPL) |
| M89 | 3797 | 21-3-2014 | 1037 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 21-3-2014 | 1037 | Fri | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 5588 | 21-3-2014 | 1042 | Fri | In tfc: III AR. MSG NR 076 CK. 1 44 0321 1830 = (see N&O 198) | CW | (JPL) |
| M89 | 10180 | 21-3-2014 | 1340 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 4860 | 21-3-2014 | 1420 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 21-3-2014 | 1420 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3565 | 21-3-2014 | 1425 | Fri | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3330 | 21-3-2014 | 1426 | Fri | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 21-3-2014 | 1434 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 21-3-2014 | 1434 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 5657 | 21-3-2014 | 2246 | Fri | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 21-3-2014 | 2247 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 21-3-2014 | 2247 | Fri | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 4131 | 21-3-2014 | 2259 | Fri | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5367 | 22-3-2014 | 1012 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 8072 | 22-3-2014 | 1012 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //5367 | CW | (JPL) |
| M89 | 5588 | 22-3-2014 | 1015 | Sat | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 22-3-2014 | 1057 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 22-3-2014 | 1057 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 6212 | 22-3-2014 | 1104 | Sat | In tfc: = N6UN TA44 D3DU U557 (Cont'd) | CW | (JPL) |
| M89 | 3565 | 22-3-2014 | 1345 | Sat | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 22-3-2014 | 1349 | Sat | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 3820 | 22-3-2014 | 1351 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 22-3-2014 | 1351 | Sat | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 6688 | 22-3-2014 | 1357 | Sat | In tfc: HR MSG GA K R GA -Other station also on this freq- (see N&O 198) | CW | (JPL) |
| M89 | 7680 | 22-3-2014 | 1415 | Sat | In tfc: R QSL 221. K K MSG GA K (see N&O 198) | CW | (JPL) |
| M89 | 4860 | 22-3-2014 | 1420 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 22-3-2014 | 1420 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3797 | 22-3-2014 | 1425 | Sat | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 22-3-2014 | 1425 | Sat | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3330 | 22-3-2014 | 1426 | Sat | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3565 | 22-3-2014 | 1427 | Sat | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 6666 | 22-3-2014 | 1431 | Sat | In tfc: FF UN5D AUAT 6E?? 6477 NUD6 D6AD 36.? (see N&O 198) | CW | (JPL) |
| M89 | 5555 | 22-3-2014 | 1436 | Sat | In tfc: 57U6 54UD 5N.. (Cont'd) VV = = 7N D56 ... (Cont'd) AS = 7 = .. = 47TT 7U.. (Cont'd) | CW | (JPL) |
| M89 | 3565 | 22-3-2014 | 1619 | Sat | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 23-3-2014 | 1044 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //10421 | CW | (JPL) |
| M89 | 10421 | 23-3-2014 | 1044 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //8072 | CW | (JPL) |
| M89 | 6877 | 23-3-2014 | 1056 | Sun | In tfc: 5U64 N46D T4A3 (Cont'd) | CW | (JPL) |
| M89 | 7750 | 23-3-2014 | 1104 | Sun | In tfc: AT3D TA3D 3AA5 D.74 D45. (Cont'd) | CW | (JPL) |
| M89 | 8053 | 23-3-2014 | 1111 | Sun | In tfc: III 3UN6 DDTA A576 (Cont'd) AR NR 4W = (see N&O 198) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|-------------|
| M89 | 8063 | 23-3-2014 | 1137 | Sun | In tfc: 7TU. N3A4 D743 4N76 (see N&O 198) | CW | (JPL) |
| M89 | 3820 | 23-3-2014 | 1153 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 23-3-2014 | 1153 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3797 | 23-3-2014 | 1155 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 23-3-2014 | 1155 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3565 | 23-3-2014 | 1157 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 23-3-2014 | 1205 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 1213 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3565 | 23-3-2014 | 1219 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142 | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 1219 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565 | CW | (JPL) |
| M89 | 4860 | 23-3-2014 | 1220 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 23-3-2014 | 1220 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3642 | 23-3-2014 | 1414 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 3820 | 23-3-2014 | 1417 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 23-3-2014 | 1417 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 1419 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 6840 | 23-3-2014 | 1420 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K | CW | (JPL) |
| M89 | 6936 | 23-3-2014 | 1426 | Sun | In tfc: 7P 200 0323 2225 MSG NR 04.. CK 200 .. 0323 2225 K (see N&O 198) | CW | (JPL) |
| M89 | 3330 | 23-3-2014 | 1441 | Sun | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3685 | 23-3-2014 | 1443 | Sun | In tfc: AR K. R R.. 28W BT ... (Repeats groups) R R R | CW | (JPL) |
| M89 | 4055 | 23-3-2014 | 1448 | Sun | In tfc. Mostly unreadable | CW | (JPL) |
| M89 | 4055 | 23-3-2014 | 1448 | Sun | In tfc: 6.NA NN.3 (Cont'd) | CW | (JPL) |
| M89 | 3565 | 23-3-2014 | 1452 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142 | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 1452 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565 | CW | (JPL) |
| M89 | 4512 | 23-3-2014 | 1505 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4733 | 23-3-2014 | 1508 | Sun | In tfc. Mostly unreadable | CW | (JPL) |
| M89 | 3565 | 23-3-2014 | 1916 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142 | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 1916 | Sun | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565 | CW | (JPL) |
| M89 | 3330 | 23-3-2014 | 1917 | Sun | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 23-3-2014 | 1918 | Sun | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 3797 | 23-3-2014 | 1919 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 23-3-2014 | 1919 | Sun | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4860 | 23-3-2014 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 23-3-2014 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3820 | 23-3-2014 | 1925 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 23-3-2014 | 1925 | Sun | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 5500 | 23-3-2014 | 1926 | Sun | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 4142 | 23-3-2014 | 2000 | Sun | V SXL6 SXL6 SXL6 de 9QF 9QFZ | CW | (FN) |
| M89 | 10421 | 24-3-2014 | 0203 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 7582 | 24-3-2014 | 0205 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 24-3-2014 | 0210 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 24-3-2014 | 0210 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 8072 | 24-3-2014 | 0909 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 7582 | 24-3-2014 | 0910 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 10421 | 24-3-2014 | 0913 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 10180 | 24-3-2014 | 0916 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 7706 | 24-3-2014 | 0937 | Mon | In tfc: NUD3 ..UN TAN3 4653 (Cont'd) AR K (see N&O 198) | CW | (JPL) |
| M89 | 7717 | 24-3-2014 | 0940 | Mon | In tfc: CK 79 1. 0324 1700 RMKS (see N&O 198) | CW | (JPL) |
| M89 | 5801 | 24-3-2014 | 1215 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 24-3-2014 | 1215 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 3820 | 24-3-2014 | 1217 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 24-3-2014 | 1217 | Mon | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 3797 | 24-3-2014 | 1218 | Mon | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 24-3-2014 | 1218 | Mon | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 3330 | 24-3-2014 | 1219 | Mon | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 4860 | 24-3-2014 | 1220 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 24-3-2014 | 1220 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860 | CW | (JPL) |
| M89 | 3565 | 24-3-2014 | 1225 | Mon | V SXL6 (x3) DE 9QFZ (x2) running slower than //4142 | CW | (JPL) |
| M89 | 4142 | 24-3-2014 | 1225 | Mon | V SXL6 (x3) DE 9QFZ (x2) running faster than //3565 | CW | (JPL) |
| M89 | 5500 | 24-3-2014 | 1227 | Mon | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 4131 | 24-3-2014 | 1522 | Mon | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| M89 | 16720 | 25-3-2014 | 0237 | Tue | V VTX7 (x3) DE TZ7B (x2) (Cont'd) | CW | (JPL) |
| M89 | 10180 | 25-3-2014 | 0334 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 8072 | 25-3-2014 | 1035 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5588 | 25-3-2014 | 1038 | Tue | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 25-3-2014 | 1039 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 25-3-2014 | 1039 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 4225 | 25-3-2014 | 1041 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 25-3-2014 | 1048 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 25-3-2014 | 1048 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 7712 | 25-3-2014 | 1107 | Tue | In tfc: 7DA6 T7NT T755 N5A5 3UT6 A4A7 ND4A (Cont'd) III 2P GA = | CW | (JPL) |
| M89 | 6213 | 25-3-2014 | 1128 | Tue | In tfc: 67DU UA6N U63T (Cont'd) AR 14W = 7..N 7DUN AR K (con- | CW | (JPL) |
| M89 | 5657 | 25-3-2014 | 1132 | Tue | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 5562 | 25-3-2014 | 1134 | Tue | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 4142 | 25-3-2014 | 1442 | Tue | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) | CW | (JPL) |
| M89 | 3330 | 25-3-2014 | 1716 | Tue | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 3642 | 25-3-2014 | 1717 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602 | CW | (JPL) |
| M89 | 7602 | 25-3-2014 | 1717 | Tue | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642 | CW | (JPL) |
| M89 | 3565 | 25-3-2014 | 1718 | Tue | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142 | CW | (JPL) |
| M89 | 4142 | 25-3-2014 | 1718 | Tue | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565 | CW | (JPL) |
| M89 | 4860 | 25-3-2014 | 1720 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840 | CW | (JPL) |
| M89 | 6840 | 25-3-2014 | 1720 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 | CW | (JPL) |
| M89 | 4225 | 25-3-2014 | 1725 | Tue | V 7NPE (x3) DE QV5B (x2) (Cont'd) | CW | (JPL) |
| M89 | 3797 | 25-3-2014 | 1726 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512 | CW | (JPL) |
| M89 | 4512 | 25-3-2014 | 1726 | Tue | V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797 | CW | (JPL) |
| M89 | 10180 | 26-3-2014 | 0918 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 5562 | 26-3-2014 | 0945 | Wed | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //6571 | CW | (JPL) |
| M89 | 6571 | 26-3-2014 | 0945 | Wed | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //55662 | CW | (JPL) |
| M89 | 8072 | 26-3-2014 | 0950 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 8073 | 26-3-2014 | 0950 | Wed | VV BNGC BNGC BNGC DE XSV85 XSV85 (see N&O 198) | CW | (JPL) |
| M89 | 8074 | 26-3-2014 | 0950 | Wed | In chat: R R HR EEEEE R U QSY TO NR 02 (see N&O 198) | CW | (JPL) |
| M89 | 5588 | 26-3-2014 | 0956 | Wed | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5588 | 26-3-2014 | 1130 | Wed | V MW3D (x3) DE 2SLC (x2) (Cont'd) | CW | (JPL) |
| M89 | 6571 | 26-3-2014 | 1130 | Wed | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //55662 | CW | (JPL) |
| M89 | 7785 | 26-3-2014 | 1201 | Wed | In tfc: P4LO AR = = 7EEEE = = 2ZFO/P4LO AR = = (see N&O 198) | CW | (JPL) |
| M89 | 8210 | 26-3-2014 | 1201 | Wed | In tfc: AR ...0 50 2208 2218 2327 23.2 = 3ANT. TUAN3 53NTA | CW | (JPL) |
| M89 | 3565 | 26-3-2014 | 1319 | Wed | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142 | CW | (JPL) |
| M89 | 4142 | 26-3-2014 | 1319 | Wed | V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565 | CW | (JPL) |
| M89 | 6840 | 26-3-2014 | 1320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K | CW | (JPL) |
| M89 | 7770 | 26-3-2014 | 1329 | Wed | In tfc: AD75 7TA5 .3TU NTAU NDU7 (Cont'd) K K R R .. RPT RPT K. | CW | (JPL) |
| M89 | 8074 | 26-3-2014 | 1338 | Wed | In chat: 975/3973 K. R = N5U5 UTN6 4NA5 AU34 7N4D (see N&O | CW | (JPL) |
| M89 | 7602 | 26-3-2014 | 1353 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 5657 | 26-3-2014 | 1358 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) | CW | (JPL) |
| M89 | 8194 | 26-3-2014 | 1359 | Wed | In chat: 05 05 05 | CW | (JPL) |
| M89 | 7890 | 26-3-2014 | 1403 | Wed | (n tfc: = NDN7 675N AD4D 7DU4 5TNU ANR5 ANU5 NTN (Cont) | CW | (JPL) |
| M89 | 6213 | 26-3-2014 | 1408 | Wed | In tfc: A53N UD3T D3ND (Cont'd) AR K. ... = D53N D53N AR K | CW | (JPL) |
| M89 | 5292 | 26-3-2014 | 1415 | Wed | In tfc: U7N7 TNUU 36UA (Cont'd) AR AR = = 3T.. K | CW | (JPL) |
| M89 | 6840 | 26-3-2014 | 1720 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K | CW | (JPL) |
| M89 | 5555 | 26-3-2014 | 1800 | Wed | In tfc: UGE45 AR = MSG NR 105 CK 5 .U5D4 7DAA 77D4 4DD3 3A74 | CW | (JPL) |
| M89 | 3820 | 26-3-2014 | 2244 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //5657 | CW | (JPL) |
| M89 | 5657 | 26-3-2014 | 2244 | Wed | V GKLO (x3) DE TYUI (x2) (Cont'd) //3820 | CW | (JPL) |
| M89 | 7602 | 26-3-2014 | 2246 | Wed | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |
| M89 | 4131 | 26-3-2014 | 2247 | Wed | V JKDJ (x3) DE SLBC (x2) (Cont'd) | CW | (JPL) |
| M89 | 5801 | 27-3-2014 | 0140 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 | CW | (JPL) |
| M89 | 10180 | 27-3-2014 | 0140 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801 | CW | (JPL) |
| M89 | 5555 | 27-3-2014 | 0741 | Thu | In chat: QSN QSA2 K. R Z QSA2 (Both stations on this frequency) | CW | (JPL) |
| M89 | 10180 | 27-3-2014 | 0756 | Thu | V DKG6 (x3) DE 3A7D (x2) (Cont'd) | CW | (JPL) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|----------------|
| MX | 10872.4 | 15-3-2014 | 1837 | Sat | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 13528.4 | 15-3-2014 | 1837 | Sat | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 4325.9 | 15-3-2014 | 1844 | Sat | Marker "R" Izhevsk | CW | (AB) |
| MX | 5153.7 | 15-3-2014 | 1844 | Sat | Beacon "D" Sevastopol | CW | (AB) |
| MX | 5153.9 | 15-3-2014 | 1844 | Sat | Beacon "S" Sevromorsk | CW | (AB) |
| MX | 10871.9 | 15-3-2014 | 1844 | Sat | Beacon "S" Sevromorsk | CW | (AB) |
| MX | 10872 | 15-3-2014 | 1844 | Sat | Beacon "C" Moscow | CW | (AB) |
| MX | 13527.7 | 15-3-2014 | 1844 | Sat | Beacon "D" Sevastopol | CW | (AB) |
| MX | 13527.9 | 15-3-2014 | 1844 | Sat | Beacon "S" Sevromorsk | CW | (AB) |
| MX | 13528 | 15-3-2014 | 1844 | Sat | Beacon "C" Moscow | CW | (AB) |
| MX | 16331.7 | 15-3-2014 | 1844 | Sat | Beacon "D" Sevastopol | CW | (AB) |
| MX | 16331.9 | 15-3-2014 | 1844 | Sat | Beacon "S" Sevromorsk | CW | (AB) |
| MX | 16332 | 15-3-2014 | 1844 | Sat | Beacon "C" Moscow | CW | (AB) |
| MX | 6928 | 20-3-2014 | 1856 | Thu | Beacon "L" | CW | (JPL-FNL) |
| MX | 4084 | 20-3-2014 | 1909 | Thu | Beacon "V" | CW | (JPL-FNL) |
| MX | 4084 | 20-3-2014 | 2125 | Thu | Beacon "V" | CW | (AB) |
| MX | 4325.9 | 20-3-2014 | 2128 | Thu | Marker "R" | CW | (AB) |
| MX | 6917.5 | 21-3-2014 | 1257 | Fri | Beacon "L" St Petersburg | CW | (AB) |
| MX | 8497.8 | 21-3-2014 | 1257 | Fri | Beacon "L" St Petersburg | CW | (AB) |
| MX | 5154.4 | 21-3-2014 | 1305 | Fri | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 7039.2 | 21-3-2014 | 1305 | Fri | Beacon "F" Vladivostok | CW | (AB-HK) |
| MX | 7039.3 | 21-3-2014 | 1305 | Fri | Beacon "K" Petropavlovsk Kamchatskiy | CW | (AB-HK) |
| MX | 7039.4 | 21-3-2014 | 1305 | Fri | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 8495.4 | 21-3-2014 | 1305 | Fri | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 10872.2 | 21-3-2014 | 1305 | Fri | Beacon "F" Vladivostok | CW | (AB-HK) |
| MX | 10872.3 | 21-3-2014 | 1305 | Fri | Beacon "K" Petropavlovsk Kamchatskiy | CW | (AB-HK) |
| MX | 10872.4 | 21-3-2014 | 1305 | Fri | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 13258.4 | 21-3-2014 | 1305 | Fri | Beacon "M" Magadan | CW | (AB-HK) |
| MX | 8484.5 | 25-3-2014 | 1707 | Tue | Beacon "P" Kaliningrad | CW | (MPJ) |
| MX | 8484.5 | 25-3-2014 | 2018 | Tue | Beacon "P" Kaliningrad | CW | (AB) |
| MX | 4325.9 | 25-3-2014 | 2050 | Tue | Beacon "R" Izhevsk | CW | (AB) |
| MX | 5153.7 | 25-3-2014 | 2050 | Tue | Beacon "D" Sevastopol | CW | (AB) |
| MX | 5153.8 | 25-3-2014 | 2051 | Tue | Beacon "P" Kaliningrad | CW | (AB) |
| MX | 5153.9 | 25-3-2014 | 2051 | Tue | Beacon "S" Sevromorsk | CW | (AB) |
| MX | 5154 | 25-3-2014 | 2051 | Tue | Beacon "C" Moscow | CW | (AB) |
| MX | 4084 | 25-3-2014 | 2052 | Tue | Beacon "V" Khiva | CW | (AB) |
| MX | 20047.7 | 26-3-2014 | 1028 | Wed | Beacon "D" Sevastopol | CW | (WP3) |
| MX | 20047.9 | 26-3-2014 | 1028 | Wed | Beacon "S" Sevromorsk | CW | (WP3) |
| MX | 20048 | 26-3-2014 | 1028 | Wed | Beacon "C" Moscow | CW | (WP3) |
| MX | 10871.9 | 28-3-2014 | 1911 | Fri | Beacon "S" Sevromorsk | CW | (MPJ) |
| MX | 10872 | 28-3-2014 | 1912 | Fri | Beacon "C" Moscow | CW | (MPJ) |
| MX | 13527.7 | 28-3-2014 | 2255 | Fri | Beacon "D" Sevastopol | CW | (AAI) |
| RADv | 4662 | 19-3-2014 | 1855 | Wed | Tracking data 336 13 395 & 234 28 91. | USB | (RP-MD) |
| RAv | 8090 | 21-3-2014 | 1622 | Fri | Russian Air Force. YL in Russian passing co-ords | USB | (JE-HOL) |
| RMv | 6795.9 | 1-3-2014 | 0452 | Sat | Russian Mil. Korkar-21 wkg Cezon-82 | USB | (PPA) |
| RMv | 6520 | 2-3-2014 | 0549 | Sun | Russian mil. YL spelling a coded message | USB | (PPA) |
| S06 | 4614 | 1-3-2014 | 1935 | Sat | 396 396 396 00000 | USB | (RWO) |
| S06 | 6782 | 1-3-2014 | 2030 | Sat | 857 0 | USB | (HFD) |
| S06 | 10755 | 2-3-2014 | 1530 | Sun | Starts without id and group count. Ends with 148 60, but there are only 49 groups. 975 32704 97280 16261 ... 75535 98294 48634 148 60 00000 | USB | (Avare) |
| S06 | 9131 | 2-3-2014 | 1700 | Sun | 480 271 45 26968 41395 63128 ... 72465 94685 14422 271 45 00000 | USB | (AB/RWO/Avare) |
| S06 | 7361 | 2-3-2014 | 1710 | Sun | 480 271 45 26968 41395 63128 ... 72465 94685 14422 271 45 00000 | USB | (Avare/RWO) |
| S06 | 7361 | 2-3-2014 | 1730 | Sun | 480 271 45 26968 41395 63128 ... 72465 94685 14422 271 45 00000 | USB | (Spec) |
| S06 | 11073 | 2-3-2014 | 2130 | Sun | 352 352 352 63524 719 40 46569 05367 59219 ... 57602 68008 42342 719 40 00000 | USB | (Danix) |
| S06 | 10755 | 2-3-2014 | 2220 | Sun | 975 975 975 18736 620 620 31 31 5FGs 620 620 31 31 00000 | USB | (Dan/Avare) |
| S06 | 14913 | 4-3-2014 | 1500 | Tue | 387 692 55 70527 47170 75037 ... 93902 28043 74513 692 55 00000 | USB | (Avare) |
| S06 | 10386 | 4-3-2014 | 1600 | Tue | 387 692 55 70527 47170 75037 ... 93902 28043 74513 692 55 | USB | (Avare) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|----------|-----------|-----------|------|-----|---|------|-------------|
| | | | | | 00000 | | |
| S06 | 9131 | 4-3-2014 | 1700 | Tue | 480 536 41 37428 93523 64082 ... 21427 56804 68700 536 41 | USB | (Avare) |
| | | | | | 00000 | | |
| S06 | 13365 | 5-3-2014 | 1000 | Wed | 450 6 49885 44100 43904 10696 89353 85293 450 6 00000 | USB | (NC) |
| S06 | 18176 | 5-3-2014 | 1420 | Wed | 220 220 220 00381 220 220 220 08181 22222 07901 22222 09271 | USB | (Avare) |
| | | | | | 22222 00000 00000 | | |
| S06 | 7342 | 8-3-2014 | 1605 | Sat | 194 194 194 00000 | AM | (RWO) |
| S06 | 4629 | 8-3-2014 | 1935 | Sat | 396 396 396 00000 | AM | (RWO) |
| S06 | 11030 | 10-3-2014 | 1540 | Mon | 865 865 865 00000 | AM | (GHn) |
| S06 | 5127 | 10-3-2014 | 1905 | Mon | 349 0 | USB | (HFD) |
| S06 | 11030 | 10-3-2014 | 1915 | Mon | 865 0 | USB | (HFD) |
| S06 | 9140 | 10-3-2014 | 2015 | Mon | 865 0 | USB | (HFD) |
| S06 | 9131 | 12-3-2014 | 1700 | Wed | 480 351 44 38242 46045 56619 ... 81013 09636 99271 351 44 | AM | (Avare) |
| | | | | | 00000 | | |
| S06 | 9463 | 13-3-2014 | 0840 | Thu | 801 473 52 59789 72451 86879 ... 01466 75737 19159 473 52 | USB | (Avare) |
| | | | | | 00000 | | |
| S06 | 5317 | 15-3-2014 | 2004 | Sat | 362 362 362 00000 | AM | (VH) |
| S06 | 6782 | 15-3-2014 | 2030 | Sat | 621 621 621 00000 | AM | (VH) |
| S06 | 5127 | 17-3-2014 | 1905 | Mon | 349 0 | USB | (HFD) |
| S06 | 15721 | 18-3-2014 | 0401 | Tue | 480 273 50 02493 74982 60720 ... 10690 99975 62545 273 50 | AM | (VH) |
| | | | | | 00000 | | |
| S06 | 15721 | 19-3-2014 | 0400 | Wed | 480 159 50 17448 82818 58650 ... 66822 60096 50363 159 50 | AM | (VH) |
| | | | | | 00000 | | |
| S06 | 15721 | 20-3-2014 | 0402 | Thu | 480 ... | AM | (VH) |
| S06 | 7342 | 22-3-2014 | 1605 | Sat | 194 0 | USB | (HFD) |
| S06 | 4629 | 22-3-2014 | 1935 | Sat | 396 396 396 00000 | AM | (JE-HOL) |
| S06 | 5784 | 24-3-2014 | 1900 | Mon | 349 0 | USB | (HFD) |
| S06 | 15721 | 27-3-2014 | 0403 | Thu | in progress | USB | (VH) |
| S06 | 7359 | 30-3-2014 | 1700 | Sun | 480 326 40 34507 52090 24544 ... 70217 45945 94752 326 40 | AM | (Avare) |
| | | | | | 00000 | | |
| S06c | 18198 | 4-3-2014 | 1420 | Tue | 11087 | USB | (Avare) |
| S06c | 14836 | 4-3-2014 | 1430 | Tue | 11087 | USB | (Avare) |
| S06c | 13395 | 27-3-2014 | 1050 | Thu | 11060 (R4) | USB | (FN) |
| S06c/S25 | 5783 | 17-3-2014 | 1200 | Mon | 11929 (R2m) 11111 11111 55555 55555 18052 18052 18659 | AM | (Avare) |
| | | | | | 18659 12032 12032 11168 11168 13270 13270 00000 00000 | | |
| S06s | 10350 | 1-3-2014 | 1200 | Sat | 254 970 6 88280 84116 53718 78927 34694 20336 970 6 00000 | USB | (AB) |
| S06s | 8520 | 1-3-2014 | 1210 | Sat | 254 970 6 88280 84116 53718 78927 34694 20336 970 6 00000 | USB | (AB) |
| S06s | 9145 | 3-3-2014 | 1200 | Mon | 831 | USB | (HFD) |
| S06s | 11460 | 3-3-2014 | 1210 | Mon | 831 | USB | (HFD) |
| S06s | 7605 | 5-3-2014 | 0820 | Wed | 471 296 5 18263 | USB | (HFD) |
| S06s | 9255 | 5-3-2014 | 0830 | Wed | 471 | USB | (HFD) |
| S06s | 11854 | 5-3-2014 | 0830 | Wed | 745 | USB | (HFD) |
| S06s | 12140 | 5-3-2014 | 0840 | Wed | 745 893 6 10298 | USB | (HFD) |
| S06s | 13365 | 5-3-2014 | 1000 | Wed | 729 450 6 49885 | USB | (HFD) |
| S06s | 14505 | 5-3-2014 | 1010 | Wed | 729 | USB | (HFD) |
| S06s | 7795 | 7-3-2014 | 0700 | Fri | 196 830 5 37449 | USB | (HFD) |
| S06s | 8695 | 7-3-2014 | 0710 | Fri | 196 | USB | (HFD) |
| S06s | 5805 | 7-3-2014 | 0810 | Fri | 278 409 5 50128 | USB | (HFD) |
| S06s | 12140 | 7-3-2014 | 0930 | Fri | 516 472 8 43494 | USB | (HFD) |
| S06s | 13515 | 7-3-2014 | 0940 | Fri | 516 | USB | (HFD) |
| S06s | 9220 | 10-3-2014 | 0830 | Mon | 371 428 5 88610 | USB | (HFD) |
| S06s | 8270 | 10-3-2014 | 0840 | Mon | 371 | USB | (HFD) |
| S06s | 14580 | 10-3-2014 | 0900 | Mon | 872 901 5 48115 | USB | (HFD) |
| S06s | 13165 | 10-3-2014 | 0910 | Mon | 872 | USB | (HFD) |
| S06s | 5760 | 11-3-2014 | 0700 | Tue | 374 | USB | (HFD) |
| S06s | 6930 | 11-3-2014 | 0710 | Tue | 374 218 5 92060 | USB | (HFD) |
| S06s | 11635 | 11-3-2014 | 0800 | Tue | 352 408 6 56534 | USB | (HFD) |
| S06s | 10420 | 11-3-2014 | 0810 | Tue | 352 | USB | (HFD) |
| S06s | 6524 | 12-3-2014 | 0910 | Wed | 624 | USB | (HFD) |
| S06s | 12415 | 13-3-2014 | 1200 | Thu | 425 963 7 36197 | USB | (HFD) |
| S06s | 14212 | 13-3-2014 | 1210 | Thu | 425 | USB | (HFD) |
| S06s | 11560 | 18-3-2014 | 0740 | Tue | 427 831 5 89617 | USB | (HFD) |
| S06s | 7340 | 18-3-2014 | 1010 | Tue | 893 274 5 42997 | USB | (HFD) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|--------------|
| S06s | 6464 | 18-3-2014 | 1500 | Tue | 537 | USB | (HFD) |
| S06s | 9255 | 19-3-2014 | 0830 | Wed | 470 295 6 79302 53516 25616 56069 82963 24162 295 6 5 00000 | USB | (Avare) |
| S06s | 7620 | 19-3-2014 | 1230 | Wed | 967 240 5 39704 | USB | (HFD) |
| S06s | 8105 | 19-3-2014 | 1240 | Wed | 967 | USB | (HFD) |
| S06s | 9078 | 21-3-2014 | 0600 | Fri | 934 267 5 40075 49268 55261 81283 58606 267 5 00000 | USB | (AB) |
| S06s | 10148 | 21-3-2014 | 0610 | Fri | 934 267 5 40075 49268 55261 81283 58606 267 5 00000 | USB | (AB) |
| S06s | 7795 | 21-3-2014 | 0700 | Fri | 196 203 5 90138 82551 36313 80212 40792 203 5 00000 | USB | (AB) |
| S06s | 8695 | 21-3-2014 | 0710 | Fri | 196 203 5 90138 82551 36313 80212 40792 203 5 00000 | USB | (AB) |
| S06s | 5805 | 21-3-2014 | 0810 | Fri | 278 516 5 17253 48579 09872 29384 88313 516 5 00000 | USB | (AB) |
| S06s | 12140 | 21-3-2014 | 0930 | Fri | 516 927 8 39534 17228 15636 34140 78386 60583 89617 25757 927 8 00000 | AM | (AB) |
| S06s | 13515 | 21-3-2014 | 0940 | Fri | 516 927 8 39534 17228 15636 34140 78386 60583 89617 25757 927 8 00000 | AM | (AB) |
| S06s | 14080 | 25-3-2014 | 0600 | Tue | 438 952 6 46923 | USB | (HFD) |
| S06s | 12355 | 25-3-2014 | 0610 | Tue | 438 | USB | (HFD) |
| S06s | 7242 | 28-3-2014 | 1510 | Fri | 537 924 6 87800 | USB | (HFD) |
| S11a | 5815 | 1-3-2014 | 1020 | Sat | 221/00 | USB | (HFD) |
| S11a | 7317 | 4-3-2014 | 0915 | Tue | 484/00 | USB | (HFD) |
| S11a | 16112 | 6-3-2014 | 1015 | Thu | 475/00 | USB | (HFD) |
| S11a | 9960 | 7-3-2014 | 1020 | Fri | 426/00 | USB | (HFD) |
| S11a | 9960 | 7-3-2014 | 1027 | Fri | 526/00 | USB | (linkz) |
| S11a | 4016 | 12-3-2014 | 1955 | Wed | 371/32 93695 91511 00552 ... 61267 53089 89120 | USB | (Avare/RWO) |
| S11a | 4016 | 14-3-2014 | 1955 | Fri | 371/32 371/32 Vnimanie 93695 91511 00552 ... 61267 53089 89120 Vnimanie, rpt msg, Konec | USB | (RWO) |
| S11a | 14940 | 17-3-2014 | 0715 | Mon | 382/00 | USB | (Avare) |
| S11a | 4016 | 19-3-2014 | 1955 | Wed | 370/00 | USB | (HFD) |
| S11a | 16112 | 20-3-2014 | 1015 | Thu | 575/00 | USB | (VH) |
| S11a | 7317 | 21-3-2014 | 0915 | Fri | 486/34 Vnimanie 10467 75370 58380 ... 13713 48893 52492 Vnimanie, rpt msg, konec | USB | (AB) |
| S11a | 4016 | 21-3-2014 | 1955 | Fri | 370/00 | USB | (JE-HOL) |
| S11a | 14940 | 26-3-2014 | 0715 | Wed | 382/00 | USB | (Avare) |
| S25 | 6779 | 18-3-2014 | 1155 | Tue | 808 28069 | AM | (Avare) |
| S25c | 9463 | 13-3-2014 | 0810 | Thu | 801 801 801 801 801 801 repeated for 20 mins | USB | (Avare) |
| S28 | 4625 | 13-3-2014 | 1313 | Thu | MDZhB 81 951 AGATUV 13 21 58 BARIETc 95 18 26 33 DIAKARB 18 19 49 51 LIYUAZ90 47 96 78 Priyom | USB | (AB) |
| S28 | 4625 | 17-3-2014 | 0359 | Mon | MDZhB 49 25 VERHOVShIK Priyom | USB | (AB/Avare) |
| S28 | 4625 | 17-3-2014 | 0409 | Mon | MDZhB 26 47 VERUNOK 67 69 VERSTNYJ Priyom | USB | (AB/Avare) |
| S28 | 4625 | 17-3-2014 | 1611 | Mon | MDZhB 72 06 ShshERSTINKA Priyom | USB | (Avare) |
| S28 | 4625 | 18-3-2014 | 1600 | Tue | MDZhB 81 26 TERRAKOTA Priyom | USB | (AB/Avare) |
| S28 | 4625 | 20-3-2014 | 1124 | Thu | MDZhB 39 926 CHINAURI 24 13 29 71 Priyom | USB | (AB/Avare) |
| S28 | 4625 | 22-3-2014 | 1930 | Sat | The Buzzer | USB | (JE-HOL) |
| S28 | 4625 | 27-3-2014 | 1127 | Thu | MDZhB 88 060 IAL sboj sboj sboj BORIS sboj sboj sboj MDZhB 88 473 MALOGEN 29 67 06 85 Priyom | USB | (Avare) |
| S30 | 3756 | 3-3-2014 | 1820 | Mon | Dlya SB7Z 8MUO TUZR 5Y7SHCH 37SHCH' N1DU 53OB 78MV 12TSI 79AY, kak slyshno, kak slyshno, priyom | USB | (DJPr) |
| S30 | 3756 | 6-3-2014 | 1707 | Thu | Dlya DM5T3 49FT TS2ZA LI27 INN7S ShChGYP 8TSShChY TZLM FY5E F51N, kak slyshno, priyom | USB | (DJPr) |
| S32 | 3828 | 5-3-2014 | 1740 | Wed | AL'FA-45 29 101 YeZATKAN 14 41 79 87 VERNIN 86 52 78 68 priyom | USB | (DJPr) |
| S6930 | 6930 | 2-3-2014 | 1117 | Sun | Katok-65 29 889 KURTKA 86 72 38 98 Priyom | USB | (Avare/DJPr) |
| S6930 | 3218.5 | 2-3-2014 | 2011 | Sun | Katok-65 ?4 422 KINOTAVR 80 09 83 32 priyom | USB | (DJPr) |
| S6930 | 6930 | 3-3-2014 | 0803 | Mon | Katok-65 55 370 SANTEKHNIK 76 89 34 62 priyom | USB | (DJPr) |
| S6930 | 6930 | 3-3-2014 | 1102 | Mon | Katok-65 47 743 LINEYKA 11 13 33 34 priyom | USB | (DJPr) |
| S6930 | 3128.5 | 3-3-2014 | 2004 | Mon | Katok-65 34 425 ZHILA 54 67 38 82 priyom | USB | (DJPr) |
| S6930 | 6930 | 5-3-2014 | 1109 | Wed | Katok-65 29 135 RELIGIYA 63 68 99 38 priyom | USB | (DJPr) |
| S6930 | 6930 | 5-3-2014 | 1109 | Wed | Katok-65 29 135 RELIGIYA 63 68 99 38 priyom | USB | (DJPr) |
| S6930 | 3218.5 | 5-3-2014 | 1704 | Wed | Katok-65 37 654 OGON' 66 52 37 83 PRIYEM | USB | (DJPr) |
| S6930 | 6930 | 6-3-2014 | 1401 | Thu | Katok-65 66 368 KANATCHIK 39 35 44 50 priyom | USB | (DJPr) |
| S6930 | 6930 | 6-3-2014 | 1401 | Thu | Katok-6566 368 KANATCHIK 39 35 44 50 priyom | USB | (DJPr) |
| S6930 | 3128.5 | 6-3-2014 | 2000 | Thu | Katok-65 90 252 RASTUN 26 38 24 68 priyom | USB | (DJPr) |
| S906g | 11073 | 2-3-2014 | 2130 | Sun | 352 63524 719 40 46569 05367 59219 ... 57602 68008 42342 719 40 00000 | USB | (Spec) |
| UM01 | 3581 | 22-3-2014 | 1920 | Sat | CQ P 3 (Cont'd) at 1925 changed to CQP2. CQP4 was copied earlier | CW | (JPL-Sib) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--|------|-------------|
| UM01 | 3581 | 22-3-2014 | 1935 | Sat | CQ P 2 repeated | CW | (JPL) |
| UM01 | 3581 | 23-3-2014 | 1408 | Sun | CQ P 3 (still active at 1438 UTC) | CW | (JPL-Sib) |
| UM01 | 3581 | 24-3-2014 | 1518 | Mon | CQ P 0 (CQ P ZERO - Long Zero) Still active at 1525z | CW | (JPL-Sib) |
| UM01 | 3581 | 24-3-2014 | 1748 | Mon | CQ M 1 (Still active at 1802z) | CW | (JPL-Sib) |
| UM01 | 6472 | 24-3-2014 | 1830 | Mon | 64E E. Same format as CQ P 0 on 3581 kHz. Ended at 1832z | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 0340 | Tue | CQ M 1 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 1057 | Tue | CQ P 3 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 1144 | Tue | CQ P 3 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 1340 | Tue | CQ P 3 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 1729 | Tue | CQ P 2 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 1815 | Tue | CQ P 2 | CW | (JPL-Sib) |
| UM01 | 3581 | 25-3-2014 | 2033 | Tue | CQ P 2 | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 0927 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 1216 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 1318 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 1430 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 1710 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 1830 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 26-3-2014 | 2239 | Wed | CQ P 2 (repeated) | CW | (JPL-Sib) |
| UM01 | 3581 | 27-3-2014 | 0136 | Thu | CQ P 1 (Cont'd) | CW | (JPL-Sib) |
| UM01 | 3581 | 27-3-2014 | 2107 | Thu | CQ P 0 (Cont'd) | CW | (JPL-Sib) |
| UM01 | 3581 | 28-3-2014 | 2232 | Fri | CQ M 3 (Cont'd) | CW | (JPL-Sib) |
| UM01 | 3581 | 29-3-2014 | 0026 | Sat | CQ M 4 (Cont'd) | CW | (JPL-Sib) |
| UM01 | 3581 | 29-3-2014 | 0837 | Sat | CQ P 2 (Cont'd) | CW | (JPL-Sib) |
| UM01 | 3581 | 31-3-2014 | 1244 | Mon | CQ P 7 | CW | (JPL-Sib) |
| UM01 | 3581 | 31-3-2014 | 1650 | Mon | CQ P 7 | CW | (JPL-Sib) |
| UM01 | 3581 | 31-3-2014 | 1902 | Mon | CQ P 7 | CW | (JPL-Sib) |
| UM01 | 3581 | 31-3-2014 | 2056 | Mon | CQ P 7 | CW | (JPL-Sib) |
| UM01 | 3581 | 31-3-2014 | 2153 | Mon | CQ P 7 | CW | (JPL-Sib) |
| UM10 | 4112 | 5-3-2014 | 1942 | Wed | Unid 10-mins net: U34D | CW | (JPL-Sib) |
| UM10 | 4112 | 14-3-2014 | 1522 | Fri | Unid 10-mins net sending U34D | CW | (JPL-Sib) |
| UM10 | 3326 | 16-3-2014 | 1151 | Sun | Unid 10-mins net: U34D //4112 kHz | CW | (JPL) |
| UM10 | 4112 | 16-3-2014 | 1151 | Sun | Unid 10-mins net: U34D //3326 kHz | CW | (JPL) |
| UM10 | 4112 | 22-3-2014 | 1925 | Sat | Unid 10-minutes net: U34D | CW | (JPL-Sib) |
| V07 | 18074 | 2-3-2014 | 0100 | Sun | 883 883 883 000 (x5) | AM | (Dan) |
| V07 | 15874 | 2-3-2014 | 0120 | Sun | 883 883 883 000 (x5) | AM | (Dan) |
| V07 | 18074 | 9-3-2014 | 0100 | Sun | 883 883 883 1 (x5) 373 51 (x2) 45293 48392 ... 30414 000 000 | AM | (Dan) |
| V07 | 15874 | 9-3-2014 | 0120 | Sun | 883 883 883 1 (x5) 373 51 (x2) 45293 48392 ... 30414 000 000 | AM | (Dan) |
| V07 | 14374 | 9-3-2014 | 0140 | Sun | 883 883 883 1 (x5) 373 51 (x2) 45293 48392 ... 30414 000 000 | AM | (Dan) |
| V07 | 15874 | 15-3-2014 | 0120 | Sat | 886 886 886 000 | AM | (RWO) |
| V07 | 18074 | 16-3-2014 | 0100 | Sun | 883 883 883 000 | AM | (Dan) |
| V07 | 15874 | 16-3-2014 | 0120 | Sun | 883 883 883 000 | AM | (Dan) |
| V07 | 18074 | 22-3-2014 | 0100 | Sat | 883 883 883 000 | AM | (Dan) |
| V07 | 15874 | 22-3-2014 | 0120 | Sat | 883 883 883 000 | AM | (Dan) |
| V07 | 18074 | 30-3-2014 | 0100 | Sun | 883 883 883 1 375 119 70318 35415 34038 000 000 | AM | (Dan/N1BHH) |
| V07 | 15874 | 30-3-2014 | 0120 | Sun | 883 883 883 1 375 119 70318 35415 34038 000 000 | AM | (Dan/N1BHH) |
| V07 | 14374 | 30-3-2014 | 0140 | Sun | 883 883 883 1 375 119 70318 35415 34038 000 000 | AM | (Dan) |
| V13 | 9522 | 1-3-2014 | 0700 | Sat | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 9522 | 2-3-2014 | 0800 | Sun | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 2-3-2014 | 1200 | Sun | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 2-3-2014 | 1300 | Sun | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 3-3-2014 | 1200 | Mon | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 3-3-2014 | 1300 | Mon | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 6-3-2014 | 1214 | Thu | New Star | USB | (VH) |
| V13 | 8300 | 6-3-2014 | 1300 | Thu | New Star | USB | (VH) |
| V13 | 9522 | 7-3-2014 | 0700 | Fri | New Star #4. Tune and coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 8-3-2014 | 1200 | Sat | New Star. YL w/4-digit number groups. | AM | (VH) |
| V13 | 9522 | 9-3-2014 | 0708 | Sun | New Star in progress | AM | (AB-HK) |
| V13 | 9522 | 9-3-2014 | 0712 | Sun | New Star. YL w/ 4-digit groups in CC | AM | (VH) |
| V13 | 8300 | 15-3-2014 | 1200 | Sat | New Star, YL w/ usual 4-digit numbers format | AM | (VH) |
| V13 | 8300 | 15-3-2014 | 1300 | Sat | New Star, YL w/ usual 4-digit numbers format | AM | (VH) |
| V13 | 8300 | 16-3-2014 | 1200 | Sun | New Star, YL w/ usual 4-digit numbers format | AM | (VH) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|-------------|
| V13 | 8300 | 19-3-2014 | 1304 | Wed | New Star i.p. | AM | (VH) |
| V13 | 9522 | 21-3-2014 | 0700 | Fri | New Star #4. Tune followed by coded messages in Chinese | AM | (AB-HK) |
| V13 | 9522 | 21-3-2014 | 0800 | Fri | New Star #4. Tune followed by coded messages in Chinese | AM | (AB-HK) |
| V13 | 8300 | 21-3-2014 | 1300 | Fri | New Star #4. Tune followed by coded messages in Chinese | AM | (AB-HK) |
| V13 | 9522 | 22-3-2014 | 0800 | Sat | New Star #4. Tune followed by coded messages in Chinese | AM | (AB-HK) |
| V13 | 9522 | 28-3-2014 | 0715 | Fri | i.p. | AM | (AB-HK) |
| V13 | 8300 | 28-3-2014 | 1209 | Fri | i.p. | AM | (AB-HK) |
| V13 | 8300 | 28-3-2014 | 1300 | Fri | New Star. YL sending 4LG in Chinese | AM | (VH) |
| V24 | 5290 | 9-3-2014 | 1500 | Sun | Music: Dire Straits - Sultans of Swing + msg | USB | (Avare) |
| V30 | 10255 | 6-3-2014 | 1610 | Thu | in progress | USB | (GT) |
| V30 | 10255 | 24-3-2014 | 1600 | Mon | Vietnamese OM reading numbers | USB | (HFD) |
| VC01 | 5820 | 2-3-2014 | 1702 | Sun | Chinese Robot | LSB | (AB-HK) |
| VC01 | 9129 | 2-3-2014 | 1702 | Sun | Chinese Robot | USB | (AB-HK) |
| VC01 | 4180 | 14-3-2014 | 2145 | Fri | Chinese Robot | USB | (JPL-Sib) |
| VC01 | 4180 | 14-3-2014 | 2202 | Fri | Chinese Robot | USB | (AB-HK) |
| VC03 | 4321 | 8-3-2014 | 1855 | Sat | i.p. YL/CC | LSB | (NC) |
| X06 | 17463 | 1-3-2014 | 1200 | Sat | Mazielka | USB | (Avare) |
| X06 | 18375 | 3-3-2014 | 1224 | Mon | Mazielka. Sequence: 123456 | USB | (Avare/MCO) |
| X06 | 14875 | 3-3-2014 | 1433 | Mon | Mazielka. Sequence: 123456 | USB | (Danix) |
| X06 | 15765 | 3-3-2014 | 1543 | Mon | Mazielka. Sequence: 123456 | USB | (Danix) |
| X06 | 18750 | 4-3-2014 | 0748 | Tue | Mazielka. Sequence: 641523 | USB | (PH) |
| X06 | 20675 | 4-3-2014 | 0758 | Tue | Mazielka. Sequence: 641523 | USB | (PH) |
| X06 | 17511 | 4-3-2014 | 0834 | Tue | Mazielka. Sequence: 631524 | USB | (toto) |
| X06 | 26600 | 4-3-2014 | 1055 | Tue | Mazielka. Sequence: 123456 | USB | (linkz) |
| X06 | 14970 | 4-3-2014 | 1455 | Tue | Mazielka. Sequence: 216354 | USB | (Avare) |
| X06 | 12191 | 4-3-2014 | 1508 | Tue | Mazielka. Sequence: 216354 | USB | (Avare) |
| X06 | 17470 | 5-3-2014 | 0835 | Wed | Mazielka. Sequence: 216354 | USB | (Avare) |
| X06 | 17517 | 5-3-2014 | 1639 | Wed | Mazielka. Sequence: 314265 | USB | (AB) |
| X06 | 13875 | 5-3-2014 | 1843 | Wed | Mazielka. Sequence: 314265 | USB | (RWO) |
| X06 | 16132 | 6-3-2014 | 1233 | Thu | Mazielka. Sequence: 342314 | USB | (Avare) |
| X06 | 20837 | 7-3-2014 | 0930 | Fri | Mazielka. Sequence: 645321 | USB | (PH) |
| X06 | 14970 | 8-3-2014 | 1530 | Sat | Mazielka. Sequence: 416352 | USB | (GWr) |
| X06 | 10601 | 9-3-2014 | 1810 | Sun | Mazielka. Sequence: 145632 | USB | (PH) |
| X06 | 20837 | 10-3-2014 | 0952 | Mon | Mazielka. Sequence: 645321 | USB | (PH) |
| X06 | 10731 | 12-3-2014 | 1855 | Wed | Mazielka. Sequence: 314265 | USB | (Avare) |
| X06 | 10535 | 13-3-2014 | 1615 | Thu | Mazielka. Sequence: 521634 | USB | (PH) |
| X06 | 10535 | 13-3-2014 | 1615 | Thu | Mazielka. Sequence: 564213 | USB | (PH) |
| X06 | 20605 | 14-3-2014 | 0957 | Fri | Mazielka. Sequence: 256134 | USB | (PH) |
| X06 | 19611 | 14-3-2014 | 1005 | Fri | Mazielka. Sequence:256134 1005z-1012z | USB | (PH) |
| X06 | 18750 | 17-3-2014 | 0749 | Mon | Mazielka. Sequence: 641523 | USB | (PH) |
| X06 | 11438 | 17-3-2014 | 1638 | Mon | Mazielka. Sequence: 532614 | USB | (Avare) |
| X06 | 18575 | 20-3-2014 | 1241 | Thu | Mazielka. Sequence: 352416 interrupted by a T600 signal. X06 carrier dropped and moved to 19405 kHz | USB | (PH) |
| X06 | 19405 | 20-3-2014 | 1248 | Thu | Mazielka. Sequence: 352416 | USB | (PH) |
| X06 | 18197 | 21-3-2014 | 0924 | Fri | Mazielka. Sequence 645321 | USB | (PH) |
| X06 | 19611 | 23-3-2014 | 1007 | Sun | Mazielka. Sequence: 314265 | USB | (PH) |
| X06 | 19511 | 23-3-2014 | 1026 | Sun | Mazielka. Sequence: 314265 | USB | (PH) |
| X06 | 20690 | 24-3-2014 | 0829 | Mon | Mazielka. Sequence: 156234 | USB | (PH) |
| X06 | 18660 | 25-3-2014 | 1153 | Tue | Mazielka. Sequence: 621543. Comes from 18960 kHz | USB | (PH) |
| X06 | 18960 | 25-3-2014 | 1153 | Tue | Mazielka. Sequence: 621543. Moves to 18660 kHz | USB | (PH) |
| X06 | 18660 | 25-3-2014 | 1159 | Tue | Mazielka. Sequence: 621543 | USB | (PH) |
| X06 | 20605 | 28-3-2014 | 1029 | Fri | Mazielka. Sequence: 412356 changed after 15sec to 314265 | USB | (PH) |
| X06 | 19511 | 28-3-2014 | 1101 | Fri | Mazielka. Sequence: 314265 | USB | (PH) |
| X06 | 19511 | 28-3-2014 | 1109 | Fri | Mazielka. Sequence: 314265 | AM | (MCO) |
| X06b | 13439 | 12-3-2014 | 1801 | Wed | Mazielka. Sequence: 1--3-- | AM | (Avare) |
| X06c | 26600 | 4-3-2014 | 1055 | Tue | Mazielka. Sequence: 123456 | USB | (Avare) |
| X06c | 14875 | 4-3-2014 | 1805 | Tue | Mazielka. Sequence: 123456 | USB | (Avare) |
| X06c | 14875 | 4-3-2014 | 1820 | Tue | Mazielka. Sequence: 123456 | USB | (Dan) |
| X06c | 11570 | 4-3-2014 | 2053 | Tue | Mazielka. Sequence: 123456 | USB | (RWO) |
| XM | 4304 | 3-3-2014 | 2130 | Mon | in progress | USB | (Avare) |
| XM | 6462.5 | 12-3-2014 | 1730 | Wed | i.p. | USB | (Avare) |
| XM | 20030 | 18-3-2014 | 1450 | Tue | i.p. | USB | (Avare) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|---|------|---------------|
| XM | 20030 | 25-3-2014 | 1310 | Tue | in progress | USB | (Avare) |
| XPA | 9362 | 4-3-2014 | 1900 | Tue | msg | MFSK | (HFD) |
| XPA | 8062 | 4-3-2014 | 1920 | Tue | msg | MFSK | (HFD) |
| XPA | 7462 | 4-3-2014 | 1940 | Tue | msg | MFSK | (HFD) |
| XPA | 11409 | 5-3-2014 | 0700 | Wed | msg | MFSK | (HFD) |
| XPA | 13509 | 5-3-2014 | 0720 | Wed | msg | MFSK | (HFD) |
| XPA | 14609 | 5-3-2014 | 0740 | Wed | msg | MFSK | (HFD) |
| XPA | 11409 | 8-3-2014 | 0700 | Sat | 456 456 456 000 456 456 456 000 456 456 456 000 6 07617 00001 00000 10140 | MFSK | (RWO) |
| XPA | 8062 | 11-3-2014 | 1920 | Tue | 304 1 01425 00261 43653 32188 27617 61289 99719 60216 88841 09104 etc | MFSK | (RWO) |
| XPA | 8062 | 13-3-2014 | 1920 | Thu | 304 1 01425 00261 43653 32188 27617 61289 99719 60216 88841 09104 etc | MFSK | (GHn) |
| XPA | 8062 | 13-3-2014 | 1920 | Thu | 304 1 01425 00261 43653 32188 27616 61289 ... | MFSK | (RWO) |
| XPA | 7462 | 13-3-2014 | 1940 | Thu | 304 1 01425 00261 43653 32188 27617 61289 99719 60216 88841 09104 etc | MFSK | (GHn) |
| XPA | 13790 | 18-3-2014 | 1010 | Tue | Test | MFSK | (Avare) |
| XPA | 7462 | 20-3-2014 | 1940 | Thu | 304 304 304 00000 03049 00001 00000 | MFSK | (GHn) |
| XPA2 | 13538 | 2-3-2014 | 1540 | Sun | 06099 00001 00000 10140 | MFSK | (pjen) |
| XPA2 | 20841 | 4-3-2014 | 0800 | Tue | msg | MFSK | (HFD) |
| XPA2 | 20841 | 4-3-2014 | 0800 | Tue | | MFSK | (PH) |
| XPA2 | 18741 | 4-3-2014 | 0820 | Tue | msg | MFSK | (HFD) |
| XPA2 | 18741 | 4-3-2014 | 0820 | Tue | | MFSK | (PH) |
| XPA2 | 17441 | 4-3-2014 | 0840 | Tue | msg | MFSK | (HFD) |
| XPA2 | 10257 | 6-3-2014 | 2030 | Thu | 04875 00022 44582 ... 12167 72571 13451 | MFSK | (RWO) |
| XPA2 | 18741 | 7-3-2014 | 0821 | Fri | polytone station | MFSK | (linkz) |
| XPA2 | 17441 | 7-3-2014 | 0841 | Fri | polytone station | MFSK | (linkz) |
| XPA2 | 18667 | 7-3-2014 | 1400 | Fri | msg | MFSK | (HFD) |
| XPA2 | 17419 | 7-3-2014 | 1420 | Fri | msg | MFSK | (HFD) |
| XPA2 | 16212 | 7-3-2014 | 1440 | Fri | msg | MFSK | (HFD) |
| XPA2 | 10250 | 12-3-2014 | 1634 | Wed | 01430 00020 14083 8547 30163 ... 65475 03150 43521 | MFSK | (Avare/Danix) |
| XPA2 | 10256 | 12-3-2014 | 1638 | Wed | 01430 00020 14083 8547 30163 ... 06071 15303 02456 | MFSK | (Avare/Danix) |
| XPA2 | 10250 | 12-3-2014 | 1720 | Wed | 06336 00023 74384 57883 31852 ... 23147 71343 45623 | MFSK | (Av/Dx11/RWO) |
| XPA2 | 10256 | 12-3-2014 | 1727 | Wed | 06336 00023 74384 57883 31852 ... 23147 71343 45623 | MFSK | (Avare/Danix) |
| XPA2 | 10250 | 12-3-2014 | 1731 | Wed | 06336 00023 74384 57883 31852 ... 23147 71343 45623 | MFSK | (Avare/Danix) |
| XPA2 | 10256 | 13-3-2014 | 2015 | Thu | 04967 00038 62784 ... 74712 03885 70117 00000 00000 09559 00048 70147 ... 37430 58286 21222 | MFSK | (Danix) |
| XPA2 | 10250 | 13-3-2014 | 2020 | Thu | 04967 00038 62784 ... 74712 03885 70117 00000 00000 09559 00048 70147 ... 37430 58286 21222 | MFSK | (Danix) |
| XPA2 | 17419 | 14-3-2014 | 1420 | Fri | 00554 00101 42383 LG 65347 | MFSK | (Dan) |
| XPA2 | 16212 | 14-3-2014 | 1440 | Fri | 00554 00101 42383 LG 65347 | MFSK | (Dan) |
| XPA2 | 18667 | 15-3-2014 | 1400 | Sat | 00553 00101 42383 ... 28731 11891 65347 | MFSK | (Dan) |
| XPA2 | 17419 | 15-3-2014 | 1420 | Sat | 00553 00101 42383 ... 28731 11891 65347 | MFSK | (Dan) |
| XPA2 | 16212 | 15-3-2014 | 1440 | Sat | 00553 00101 42383 ... 28731 11891 65347 | MFSK | (Dan) |
| XPA2 | 16138 | 16-3-2014 | 1500 | Sun | | MFSK | (GHn) |
| XPA2 | 16138 | 16-3-2014 | 1500 | Sun | msg | MFSK | (HFD) |
| XPA2 | 14438 | 16-3-2014 | 1520 | Sun | msg | MFSK | (HFD) |
| XPA2 | 13438 | 16-3-2014 | 1540 | Sun | msg | MFSK | (HFD) |
| XPA2 | 13438 | 16-3-2014 | 1540 | Sun | 3323 78 56061 03387 68747 26005 33507 23672 03061 08637 66163 | MFSK | (RWO) |
| XPA2 | 16138 | 18-3-2014 | 1500 | Tue | msg | MFSK | (HFD) |
| XPA2 | 14438 | 18-3-2014 | 1520 | Tue | msg | MFSK | (HFD) |
| XPA2 | 13438 | 18-3-2014 | 1540 | Tue | msg | MFSK | (HFD) |
| XPA2 | 18741 | 21-3-2014 | 0820 | Fri | 07931 00001 00000 10140 | MFSK | (AB) |
| XPA2 | 17441 | 21-3-2014 | 0840 | Fri | 07931 00001 00000 10140 | MFSK | (AB) |
| XPA2 | 18667 | 21-3-2014 | 1400 | Fri | 06460 00001 00000 10140 | MFSK | (AB/Dan) |
| XPA2 | 17419 | 21-3-2014 | 1420 | Fri | 06460 00001 00000 10140 | MFSK | (AB/Dan) |
| XPA2 | 16212 | 21-3-2014 | 1440 | Fri | 06460 00001 00000 10140 | MFSK | (AB/Dan) |
| XPA2 | 18667 | 28-3-2014 | 1400 | Fri | Too noisy to decode | MFSK | (VH) |
| XPA2 | 17419 | 28-3-2014 | 1420 | Fri | Too noisy to decode | MFSK | (VH/GHn) |
| XPA2 | 16212 | 28-3-2014 | 1440 | Fri | Too noisy to decode | MFSK | (VH) |
| XPH | 6941 | 4-3-2014 | 1743 | Tue | Tentative XPH sending a null msg | MFSK | (JPL-Sib) |

| enigma | frequency | date | UTC | day | remarks | mode | contributor |
|--------|-----------|-----------|------|-----|--------------------------------|-----------|-------------|
| XSL | 6417 | 2-3-2014 | 1929 | Sun | Japanese navy aka Slot machine | QPSK 1500 | (PPA) |
| XSL | 8588 | 2-3-2014 | 2025 | Sun | Slot Machine | QPSK-1500 | (Brit) |
| XSL | 8313 | 2-3-2014 | 2036 | Sun | Slot Machine | QPSK-1500 | (Brit) |
| XSL | 6250 | 2-3-2014 | 2058 | Sun | Slot Machine | QPSK-1500 | (Brit) |
| XSL | 6445 | 3-3-2014 | 1827 | Mon | Japanese navy aka Slot machine | QPSK 1500 | (PPA) |
| XSL | 4153 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 4231.5 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 6250 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 6417 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 6445 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 8313 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 8588 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 8703.5 | 4-3-2014 | 1842 | Tue | Slot Machine | QPSK-1500 | (AB) |
| XSL | 8704 | 15-3-2014 | 1937 | Sat | Japanese navy | QPSK 1500 | (PPA) |
| XSL | 8313 | 15-3-2014 | 1940 | Sat | Japanese navy | QPSK 1500 | (PPA) |
| XSL | 6417 | 20-3-2014 | 2107 | Thu | Jap. Slot Machine | QPSK 1500 | (Brit) |
| XSL | 6445 | 20-3-2014 | 2108 | Thu | Jap. Slot Machine | QPSK 1500 | (Brit) |
| XSL | 8588 | 27-3-2014 | 2029 | Thu | Slot Machine | QPSK 1500 | (Brit) |

CONTRIBUTORS

| | | | |
|--------|---------------------------------------|---------|-------------------------------|
| 13CR | 13CR697, N. Germany | JPL-FNL | JPL via remote rx Finland |
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| AB | Ary Boender, Netherlands | JPL-RUS | JPL via remote rx Russia |
| AB-HK | Ary Boender via remote rx Hong Kong | JPL-Sib | JPL via remote rx Siberia |
| AnEur | Anonymous Europe | JU | Jay Updike, W. Europe |
| AnHNG | Anonymous, Hungary | KC2TTK | KC2TTK, NY, USA |
| Avare | Avare | linkz | Linkz, S.E. France |
| BCI | Bruno Casula, Italy | MCO | Mike Chace-Ortiz, PA, USA |
| Brit | Britzel | MH2 | Michel Honig |
| CS | Chris Smolinski, USA | MPJ | Jim, SW England |
| Dan | Daniel, Argentina | N1BHH | Clyde N1BHH, MA, USA |
| Danix | Danix111, Poland | PH | Paul H, UK |
| DJPr | DJpeter via Radioscanner | pjen | P. Jennings |
| DM0551 | Dave moonlight0551, Sydney, Australia | PPA | Peter Poelstra, Netherlands |
| DSch | Don Schimmel, USA | PU2OON | Daniel PU2OON |
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| GT | Glimmer Twin | Topol | Tony, UK |
| Gwr | Gwraspe | toto-NL | toto CZ via remote rx Twente |
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| JE-HOL | John via remote rx The Netherlands | W2DSX | W2DSX, Long Island, NY, USA |
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Forum: <http://www.hfunderground.com/board/>