

670	27364	92836	89428	61268	74982	36498	32764	81276	81276
4986	40932	70987	32123	49817	26346	81287	65491	87364	81276
721	75654	55656	12737	72727	72727	91918	63473	67867	76723
723	87629	37677	32612	53498	71296	28756	18276	98716	87629
7269	76329	74698	76857	98670	27601	56701	57601	73648	15672
591	87364	87265	96710	27630	12673	84769	28743	98127	59127
58	63298	75698	27465	87326	49876	28376	81273	98615	62734
667	87432	74328	78674	29867	32867	67867	86786	43286	43286
667	68768	68763	34234	34238	68768	62342	48273	48768	23456
936	98432	32432	86743	43286	43286	43286	43286	43286	43286
743	86743	86743	39867	32867	86743	43286	43286	43243	86743
741	86743	86743	86743	86743	86743	86743	86743	86743	43567
543	98798	98754	98754	98754	98754	29867	67543	67986	86743
76	87698	69876	87698	69876	87612	12341	34867	86798	63274
867	43298	65656	56756	56123	32143	14321	32143	14321	32143
71	32787	58765	76587	58765	76587	58765	76587	58756	76587
75476	76543	58765	36543	58765	36543	58765	36543	58765	36543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #176, May 2012

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>

VOICE STATIONS



E06

5731 kHz, 04-05, 2130 UTC:

315 125 15
67356 53625 38908 78645 64768 72514 53612 78356 43562 63768
53689 63723 53674 64765 64735
125 15 00000

8099/6949 kHz, 05-05 & 06-05, 0030/0130 UTC:

759 826 31
95659 34503 35752 45169 73086 66640 78400 52873 07244 32311
64669 91285 22058 57174 28017 28466 36621 05617 09973 45074
94337 70216 26236 58650 53100 66391 58667 77297 22446 61916
21589
826 31 00000

8099/6949 kHz, 12-05 & 13-05, 0030/0130 UTC:

759 241 36
83293 01070 62744 11660 66887 60962 69363 68329 07086 41008
38987 34036 76566 58288 00456 45134 92918 54825 09264 81029
37825 37248 64649 43354 21654 43511 61927 11396 29404 16352
78521 65999 08926 88166 17122 99105
241 36 00000

8099/6949 kHz, 19-05 & 20-05, 0030/0130 UTC:

759 128 30
07885 93960 43420 78903 86246 42537 96602 28643 15705 01736
92663 11916 60104 29821 93108 62209 91637 86554 65776 38798
82144 83464 04894 70807 42175 72870 44992 70515 06228 67878
128 30 00000



E07

E07 14812/13412/11512 kHz, 02-05 & 07-05, 1900/1920/1940 UTC:

845 1 957 100
46104 36468 26818 63047 88250 29135 20285 15344 55147 92968
04471 59187 14598 52015 29600 17120 92405 81925 03544 58531
03802 88040 21117 29967 82028 46056 95068 13672 27544 88143
30743 13724 19841 84348 43176 04709 17269 90951 19067 57697
79387 50742 25544 43055 51966 73615 00117 23891 84691 59476
33279 67193 95250 49975 99932 56206 26941 89037 38042 39143
88300 58084 12446 82785 35966 92964 04247 54307 22031 22436
06393 39820 62955 06338 68083 25209 65331 17731 60577 89279
29649 36310 62469 45698 61391 37979 38344 95477 83015 12457
35485 21285 54291 73640 26966 68076 14895 08217 52392 33974
000 000

E07a 7437/8137/9137 kHz, 10-05, 0430/0450/0510 UTC:

147 1 11512 362 61
81275 22672 21295 58263 77208 35139 48044 27451 02527 91282
35142 20070 86244 41468 77073 02736 26371 86420 19022 21571
99305 15673 82099 64424 28148 46844 58163 15976 01229 57394
19583 68971 34561 37967 30415 41820 91205 81994 56877 53516
98318 28376 07112 46007 06118 05864 04887 48792 67391 48558
42846 81241 15921 97195 36749 75213 70552 63943 75164 10647
78682
000 000

E07a 8173/7473/5773 kHz, 09-05, 2000/2020/2040 UTC:

147 1 11512 362 61
81275 22672 21295 58263 77208 35139 48044 27451 02527 91282
35142 20070 86244 41468 77073 02736 26371 86420 19022 21571
99305 15673 82099 64424 28148 46844 58163 15976 01229 57394
19583 68971 34561 37967 30415 41820 91205 81994 56877 53516
98318 28376 07112 46007 06118 05864 04887 48792 67391 48558
42846 81241 15921 97195 36749 75213 70552 63943 75164 10647
78682
000 000

E07 13388/12088/10118 kHz, 09-05, 1700/1720/1740 UTC:

301 1 985 136
08440 69696 30611 55288 15329 93290 70420 38437 05289 28016
15065 28371 59590 34299 04295 20497 09976 92082 04143 81303
25285 16807 01858 69220 55392 69357 17728 30402 85949 60750
20906 57132 33681 14412 55330 44170 44617 28748 52817 65008
36467 00396 41689 67416 38513 71942 26531 38931 85237 28790
35149 79281 17445 93451 92752 20492 99738 16882 58837 19109
74382 50482 37980 28123 50548 25762 70018 21487 06386 88250
52757 94901 12477 91254 69157 96435 50399 99954 51309 42406
67135 20919 48014 35500 50122 81862 73497 54418 39912 63577
13057 03591 01538 61283 27925 75647 90828 92855 78580 62339
85456 35158 12901 23916 36272 05073 72770 55773 82510 87654
41393 14136 46247 53785 68221 73840 36527 73100 13289 48567
07820 85412 93118 26207 71736 23418 49150 32884 97600 21082
45851 21001 88801 85530 71116 89122
000 000



E11/ E11a

13424 kHz, 08-05, 0645 UTC: 517/00



E25

Douglas supplied an extensive E25 report. Thanks for that.

6140 kHz, 03-05, 0759 UTC:	YL. 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 message message message 7211 2533 7120 9736 3255 2933 2232 8264 7287 0238 9171 rebeat rebeat rebeat 7211 2533 7120 9736 3255 2933 2232 8264 7287 0238 9171 EOM EOT
6140 kHz, 03-05, 0807 UTC:	Music "Ahwak". Repeat at 0812 UTC
6140 kHz, 05-05, 0928 UTC:	YL. 333 333 333 333 333 333 333 333 333 333 333 333 333 333 333 message message message 5121 5660 7149 6721 1644 5052 7470 5890 9641 8680 1033 2660 rebeat rebeat rebeat 5121 5660 7149 6721 1644 5052 7470 5890 9641 8680 1033 2660 EOM EOT
6140 kHz, 05-05, 1028 UTC:	YL. 672 672 672 672 672 672 672 672 672 672 672 672 672 672 672 message message message 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 rebeat rebeat rebeat 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 EOM EOT
6140 kHz, 05-05, 1044 UTC:	YL. 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 message message message 1066 0390 1601 8695 6122 3499 0830 2003 1601 rebeat rebeat rebeat 1066 0390 1601 8695 6122 3499 0830 2003 1601 EOM EOT
9450 kHz, 05-05, 1320 UTC:	YL. 785 45 46 788 4 43 44 78 78 78 EOM EOT
6140 kHz, 06-05, 0957 UTC:	YL. 57 570 570 570 570 570 570 570 570 570 570 570 570 570 570 message message message 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 rebeat rebeat rebeat 0703 2960 3499 5850 4655 9652 7626 2442 7870 3935 1383 2152 EOM EOT
6140 kHz, 06-05, 1026 UTC:	YL. 672 672 672 672 672 672 672 672 672 672 672 672 672 672 672 message message message 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 rebeat rebeat rebeat 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 EOM EOT
6140 kHz, 06-05, 1042 UTC:	YL. 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 message message message 1066 0390 1601 8695 6122 3499 0830 2003 1601 rebeat rebeat rebeat 1066 0390 1601 8695 6122 3499 0830 2003 1601 EOM EOT
6140 kHz, 06-05, 1111 UTC:	YL. 315 315 315 315 315 315 315 315 315 315 315 315 315 315 315 message message message 2368 3610 8031 5371 1391 9552 4915 2721 7132 9537 1991 3610 2348 rebeat rebeat rebeat 2368 3610 8031 5371 1391 9552 4915 2721 7132 9537 1991 3610 2348 EOM EOT
6140 kHz, 07-05, 0812 UTC:	YL. 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 message message message 7593 7610 1311 2283 3639 5404 2624 rebeat rebeat rebeat 7593 7610 1311 2283 3639 5404 2624 EOM EOT
6140 kHz, 07-05, 0827 UTC:	YL. 701 701 701 701 701 701 701 701 701 701 701 701 701 701 701 message message message 7811 7230 6270 5749 3158 8395 7230 rebeat rebeat rebeat 7811 7230 6270 5749 3158 8395 7230 EOM
6140 kHz, 07-05, 0955 UTC:	Carrier, 2-tone bleep, spider solitaire sounds
6140 kHz, 07-05, 0957 UTC:	YL. 570 570 570 570 570 570 570 570 570 570 570 570 570 570 570 message message message 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 rebeat rebeat rebeat 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 EOM EOT
6140 kHz, 07-05, 1108 UTC:	Spider solitair sound. Closes 3 mins later
6140 kHz, 07-05, 1115 UTC:	Transmitter on. Then at 1135 UTC possibly in Arabic spoken introduction for a song, followed by a part of the song. Possibly Radio Cairo.



S06

5430/6780 kHz, 08-05, 0700/0715 UTC: 374 958 5 45328 98065 33770 57853 34345 89123 958 5 00000

The station transmitted a combination of an S06b and S06 message on May 10th at 0830 UTC on 17475 kHz.
The recording is available from the N&O website.

842 156 2 11111 00056 156 2

842 907 35

39894 46459 23603 20508 33836 33857 72773 45912 51864 45360

68630 74615 31047 62469 74512 77483 71580 90540 14051 31936

31831 52725 34623 07929 01984 76976 36121 80595 10995 49557

32260 05481 46532 33492 36570

907 35 00000



S28 - The Buzzer

Mode: USB

Frequency: 4625 kHz

S28 sent only a few messages this month.

01-05, 0814 UTC: MDZhB 02 955 PARAL'DEGI 93 20 79 15

02-05, 1329 UTC: MDZhB 50 471 KARAKSha 10 72 63 81

24-05, 0658 UTC: MDZhB 32 926 Vant 51 77 29 75

24-05, 1335 UTC: MDZhB 50 092 Mansanapes 80 15 73 82



S5292

Frequency: 5292 kHz

Mode: USB

24 May was an interesting day on 5292 kHz. The station on this frequency sent the same voice message as S28 but to a different callsign. It also sent CW messages to REA4 and TUZR, the latter usually receives messages from S30.

24-05, 0700 UTC, CW: XXX XXX REA4 REA4 TEHNIESKAYA PROWERKA 54 k

24-05, 0702 UTC, CW: XXX XXX TUZR TUZR 57646 APOCEFALUS 8517 3699 k

24-05, 0710 UTC, CW: XXX XXX TUZR TUZR 11035 DRAENA 8696 7313 KLAUSTALIT 1287 3165 k

24-05, 0727 UTC, USB: Faza-37 67867 Vant 5177 2975 Priyom



S5426

Frequency: 5426 kHz
Mode: USB

11-05, 1700 UTC: Finara-55 ya Arbat-50 98673 DEREVEN'KA 1634 9685 ya Arbat-50 Priyom



S6930

Frequency: 6930 kHz
Mode: USB

A couple of oldies:

27-03, 0612 UTC: Katok-65 35587 MOLOChNIK 41 52 33 42 priyom

27-03, 0758 UTC: Oval-42 52926 ANSAMBL 45 27 02 28 priyom

27-03, 1554 UTC: Krug-45 94113 IKRA 88 73 82 68 priyom



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

The BI newsletter mentions a number of new schedules including several on 7553 and 9557 kHz. Note that these are not V13 schedules but V26. Below the V13 schedules as published by BI.

9570 kHz, Xīngxīng guǎngbò diàntái #2, 0400-0430 UTC	Nothing heard
11430 kHz, Xīngxīng guǎngbò diàntái #3, 0500-0530 UTC	Confirmed
11430 kHz, Xīngxīng guǎngbò diàntái #3, 0600-0630 UTC	Confirmed
9276 kHz, Xīngxīng guǎngbò diàntái #4, 0700-0730 UTC	Confirmed
9276 kHz, Xīngxīng guǎngbò diàntái #4, 0800-0830 UTC	Confirmed
11430 kHz, Xīngxīng guǎngbò diàntái #4, 1200-1230 UTC	Confirmed
11430 kHz, Xīngxīng guǎngbò diàntái #4, 1300-1330 UTC	Confirmed

Tomonori heard a Windows XP shutdown sound after the 1300 UTC transmission on 14-5

I copied V13 on May 27th with a good signal on 11430 kHz at 0500 and 1200 UTC. But at 0600 UTC on 11430 kHz, 0700 and 0800 UTC on 9276 kHz I only noticed a strong carrier that started at the hour but no transmissions.



V26

4243//7345//9054 kHz, 21-05, 1220 UTC



VC01 **Chinese Robot**

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4258, 4410, 4422, 4427, 4480, 4530, 4580, 5195, 5232, 5288, 5303, 5328, 5393, 5700, 5802, 5832, 6209, 6479, 6771, 6840, 6855, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 8000, 8025, 8170, 9000, 9169, 9192, 9290, 9340, 10508 kHz.

8170 kHz, 0915 UTC, 02-05

8170 kHz, 1022 UTC, 03-05

8170 kHz, 0622 UTC, 04-05

8170 kHz, 0723 UTC, 05-05

4248 kHz, 1351 UTC, 26-05

4248 kHz, 1557 UTC, 26-05

Also noted on 7351 kHz

I lost them for a while after yet another frequency change.

MORSE STATIONS



MX **Russian Military beacons**

Reported beacons and channel markers.

European Cluster Beacons: D, P, S, C, A, L

Asian Cluster Beacons: F, K, M

Channel markers:

V - 4150 kHz



M01

M01b, 5095 kHz, 03-05, 1832 UTC. Logged by Hans-Friedrich. Nice one !

"815" Male voice in Russian instead of CW

At 1835 UTC: "785 30 34122..."

At 1837 UTC: the operator noticed the error and stated again in CW: "785 30 = 34122..."

M01, 6780 kHz, 06-05, 0700 UTC:

025 611 30 = 47360 88553 35778 07475 65340 04844 14543 13385 57591 20872 22691 69975 88809 08701 75092
93352 67127 71518 50490 29279 45356 39483 08943 13963 99571 62601 13265 12612 85945 19306 = 611 30 000



M03

6524 kHz, 05-05, 1535 UTC: 798/00 = 000
7837 kHz, 05-05, 1320 UTC: 437/00 = 000
7837 kHz, 08-05, 1115 UTC: 272/00 = 000
6524 kHz, 08-05, 1535 UTC: 798/00 = 000
7873 kHz, 09-05, 1115 UTC: 650/00 = 000
7837 kHz, 10-05, 1115 UTC: 650/00 = 000



M12

12217 kHz, 06-05, 1830 UTC: 263 263 263 000
10617 kHz, 06-05, 1850 UTC: 263 263 263 000
13926 kHz, 12-05, 1310 UTC: 919 919 919 000
12126 kHz, 12-05, 1330 UTC: 919 919 919 000
6857 kHz, 14-05, 0430 UTC: 850 850 850 000
7557 kHz, 14-05, 0450 UTC: 850 850 850 000
8173 kHz, 15-05, 0340 UTC: 111 111 111 000
9173 kHz, 15-05, 0400 UTC: 111 111 111 000
13926 kHz, 12-05, 1310 UTC: 919 919 919 000
12217 kHz, 23-05, 1830 UTC: 263 263 263 000
10617 kHz, 23-05, 1850 UTC: 263 263 263 000
9241 kHz, 23-05, 2100 UTC: 258 258 258 000
7541 kHz, 23-05, 2120 UTC: 258 258 258 000
14869 kHz, 23-05, 2110 UTC: 851 851 851 000
13569 kHz, 23-05, 2130 UTC: 851 851 851 000
7984 kHz, 24-05, 0630 UTC: 911 911 911 000
9184 kHz, 24-05, 0650 UTC: 911 911 911 000
13926 kHz, 24-05, 1310 UTC: 919 911 911 000
12126 kHz, 24-05, 1330 UTC: 919 911 911 000
8345 kHz, 25-05, 0900 UTC: 234 234 234 000

More logs in our Logs Section



M18

4503 kHz, 10-05, 1922 UTC: 2328 2328 2328 ... (UTC+4hrs, 6 minutes fast)



M21 + variants
Russian Air Defence Forces
Boйcka ПBO Voyska PVO

Only two logs:

Id "0": 3246, 5221.5 kHz



M32
Russian/CIS/Ukrainian
Military SSB & CW Stations

Various frequencies:

03-05, 0822 UTC: XXX WEGI 80858 08343 pihta 7206 1889 diftoramin 3781 1979 k
 03-05, 0827 UTC: XXX RGT77 61213 45832 litiofarit 7335 3653 k
 03-05, 0830 UTC: XXX RJV 52806 chkwalnxyj 9151 6018 k
 03-05, 0835 UTC: XXX RLO 94237 direktoriä 3655 2882 k
 03-05, 0838 UTC: XXX RDL 54956 94237 direktoriä 3655 2882 k
 03-05, 0855 UTC: XXX RJV 51708 degresiä 7172 0318 k
 03-05, 0950 UTC: XXX WEGI 34761 57259 ajdym 9435 2871 k
 03-05, 1223 UTC: XXX RJV 97548 kataleptik 8503 3206 k
 05-05, 0643 UTC: XXX XXX REA4 REA4 90310 OTNOGA 4342 8335
 05-05, 0758 UTC: XXX XXX MJUR MJUR 16126 037 = DDDD YXEIE...(irregular) last group KDKEZ
 05-05, 0849 UTC: XXX XXX 33011 038 = DDDD SXFSYu ShOFHM ZIQBL ShOFHM ZIQBL ShOFHM ZMQWL
 ShOFHM ZIShWL XYuFOeY last group KDKEV (05067) = k
 08-05, 1612 UTC: 5FG flash message after XXX XXX RDL RDL 2222 5622

12787 kHz

23-05, 0732 UTC: LRLC: unid 0732 CW WIXT WIXT WIXT de LRLC LRLC zzz lrlc t99 29 23 1131 t99 = zzz 165 =
 ppppp

Peter logged another station of the GRU controlled HFDF / intercept net that is regularly logged, the one that is nicknamed "VVV 3K station" : 11484 kHz, 19-05, 1208 UTC: VVV 1K2 VVV 2K QSV QSA



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

Last month I included a Google Earth picture of one of the RIW transmitter sites. Gavro sent me several links of nice pictures of the site.

<http://www.panoramio.com/photo/25819446>
<http://www.panoramio.com/photo/25819433>

<http://www.panoramio.com/photo/25819460>
<http://www.panoramio.com/photo/25819421>

8345 kHz

12-05, 0604 UTC: RMGB: Russian Navy tanker IMAN qtc to RCV rmgb 523 19 12 1000 523 = sml for rjh45 rje73 =
 12061 99358 10348 41596 30000 10245 40130 54000 70100 82000 22200 00210 30101 88000
 80000 12015 = + rmgb k

12-05, 0810 UTC: RMDE: Russian warship calling RMP
 12-05, 1804 UTC: RMGB: Russian Navy tanker IMAN qtc to RCV rmgb 287 17 13 2200 287 = sml for rjh45 rje73 = 10181 99353 10353 41598 21808 10210 40060 54000 70100 82000 22233 00210 20201 13013 = + rmgb k
 19-05, 0605 UTC: RMGB: Russian Navy tanker IMAN qtc to rcv 704 19 19 1000 704 = sml for rjh45 rje73 = 19061 99351 10264 41698 62905 10180 40115 56015 70032 82070 22200 00180 20202 88000 80000 19015 = + rmgb
 19-05, 1816 UTC: RKO81: Russian Navy Ship Lena qtc to rmp rko81 135 20 19 2200 135 = for rjd38 rif4 = 19181 99600 10294 41998 12603 10140 40219 40219 (?) 57010 70200 81010 22200 00110 20000 30000 88000 80000 19017 = + rko81 k
 21-05, 1805 UTC: RMGB: Rus Navy tanker IMAN qtc to rcv rmgb 340 17 19 21 1600 340 = sml for rjh45 rje73 = 21121 99331 10264 41697 61810 10220 40140 54000 70222 86800 22200 00180 20102 88000 8000 21015 = + rmgb
 22-05, 0605 UTC: RMGB: Rus Navy tanker IMAN tfc to rcv rmgb 420 19 22 1000 420 = sml for rjh45 rje73 = 22061 99352 10264 41596 71404 10210 40080 58020 70311 86000 22200 00180 20202 88000 80000 22015 = + rmgb k
 22-05 RKO81: Rus Navy Ship Lena qtc to rmp 311 19 22 1000 311 = for rjd36 rif4 = 22061 99600 10294 43396 60503 10170 40172 54000 70222 84141 22200 00120 2000 3000 88000 80000 22016 = + rko81 k

12464 kHz

14-05, 0835 UTC: RFH70: Russian Navy qso rcv qyt4 qsx 11688/16976 k
 14-05, 0905 UTC: RFH61: Russian Navy qso RCV ok qap k
 22-05, 1950 UTC: RFH70: unid rus Navy cfm qtc: rfh70 86469 batraöiha 0163 1950 k
 22-05, 0910 UTC: RFH70: unid rus Navy cfm qtc: rfh70 07039 menton 5472 1097 k
 22-05, 0910 UTC: RMGB: Rus Navy tanker IMAN cfm qtc: rmgb 07039 menton 5472 1097 k
 21-05, 0703 UTC: RMGB: Rus Navy tanker IMAN tfc to rcv rmgb 159 19 23 1600 159 = sml for rjh45 rje73 = 23121 99355 10263 41798 32908 10240 40150 52010 70200 83010 22200 00180 20202 88000 80000 23015 = + rmgb k
 23-05, 0703 UTC: RFH70: unid rus Navy cfm msg: rfh70 14280 geksimid 8683 8843 k

12794 kHz

18-05, 1459 UTC: Russian Navy Sevastopol: RCV tfc to RBEG
 23-05, 0707 UTC: Russian Navy Sevastopol: RCV qso RBEG qsl 293 k
 23-05, 0707 UTC: Russian warship RBEG 5LG tfc to RCV then rbeg 369 130 18 1815 369 = sml = mmmmm bktcs



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

8816 kHz

11-05, 0628 UTC: 09365: Russian Naval Air Transport qtc to rjc38 rjf94 09365 qto 0610 qrd XUMO XLMV qre 0925 qbd 13500 k - qql ULPE 0712 qbg 7000 k - qth 6117 3700 qtr 0803 qbd 8700 k - qto 1106 qrd XLWF XUMO qre 1220 qbd 11500 k
 12-05, 0955 UTC: 09365: Russian Naval Air Transport qtc to rjc38 rjf94 09365 qto 0940 qrd XLMV XLLV qre 1200 qbd 16000 k
 17-05, 1612 UTC: 52251: Russian Naval Air Transport qtc rjc38 rjf94 - 52251 qto 0608 qrd XLWF XLMV qre 0900 qbd 4500 k - qql XLWF 0650 ???? k - qql ULPE 0730 qbd 2800 k - qth 6117 3700 qtr 0835 qbd 1800 qre XLWF 0920 k - qqm XLWF 0918 k - qto 1425 qrd XUMO XLWF qre 1600 qbd 5000 k - qqm XUMO 1556 k
 18-05, various: 52251: Russian Naval Air Transport qtc to rjc38 rjf94 52251 qto 0600 qrd XRRT XUMO qre 0900 qbd 4600 - qth 5223 3856 qtr 0702 qbd 3100 qbg 7000 - qth 4932 4028 qtr 0755 qbd 2600 qre

XRRT 0855 - ??? - qto 1237 qrd XUMO XRKE qre 1550 qbd 5300 - qth 4932 4028 qtr 1338 qbd 3000 qbg 6700

52234: Russian Naval Air Transport qtc to rjf94 rcb 52234 qto 0620 qrd XUMO XRAP qre 1000 qah 6100 qbd 4800 - qql URWW 0720 qah 6100 qbd 4200 - qay XUOD 0830 qal XUMO 0935 qah 6100 qbd 3300 - qqm XUMO 0932 sk

42003: Russian Naval Air Transport qtc to rjf94 rcb qto 0935 qrd XLLV XUMO qah 5500 qbd 0430 - qay XUEH 1040 qah 5500 qal XLLV 1135 qbd 0310 - qqm XLLV 1144 - qto 1307 qrd XUWB XLLV qah 5500 qbd 0500 - qth 5812 2034 qtr 1506 qah 5500 qal XMWB 1605 qbd 0320 - qqm XMWB 1616

52234: Russian Naval Air Transport qtc to rjf94 rcb 52234 qto 1042 qrd XLLV XUMO qre 1245 qah 6100 qbd 4300 - qql UUWR 1136 qal XLLV 1240 qah 6100 qbd 3500 - qto 1416 qrd XMWB XLLV qre 1710 qah 5500 qbd 4000 - qth 5914 2153 qtr 1545 qah 5500 qbd 3000 - qay EVRR 1628 qal XMWB 1715 qah 5500 qbd 2400

09235: Russian Naval Air Transport clg rjf94 09235 qsa2 qsa?

21-05, 0745 UTC: 52232: Rus Naval Air Transport qtc to rjf94 rcb qto 0735 qrd XLLV XMWB qre 1020 qah 5800 qbd 4400 - qay EVRR 0820 qah 5800 qbd 3800

21-05, 0830 UTC: 09365: Rus Naval Air Transport qtc rjf94 rjc38 - 09365 qto 0820 ??? - qql ULPE 0917 qbg 6700 - qqm XLLV 1048 - qto 1330 qrd XLWF XLLV qre 1445 qbd 10200 - qqm XLWF 1440 - qto 1643 qrd XLMV XLWF qre 1900 qbd 12000 - qth 6258 3556 qtr 1740 qbg 6700 - qth 6622 3334 qtr 1824 qbd 7600 qre XLMV 1910 - qqm XLMV 1910 sk

23-05, 1210 UTC: 52235: Rus Naval Air Transport qtc to rjf94 rcb 52235 qto 1206 qrd XMWB XLLV qre 1500 qah 5500 qbd 4800 - qay EETT 1308 qah 5500 qbd 4200

23-05, 1335 UTC: 42003: Rus Naval Air Transport qto 1335 qrd XUMO XLLJ qah 5500 qbd 0500

11354 kHz

52261: An-26 NAVY RUS call to PRIBOJ : " ETA GVARDEYSKOE at 15:47z" / Later flew to KACHA Airbase (Crimea).
46548 An-24RV NAVY RA-46548 call to PRIBOJ : " Landing OSTAFYEVO at 22:00 local time" .



M89

Chinese military

Active stations:

VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k

V 7NPE 7NPE 7NPE DE QV5B QV5B

V DKG6 DKG6 DKG6 DE 3A7D 3A7D

V GKVZ GKVZ GKVZ DE Q7NW Q7NW

V RXP7 RXP7 RXP7 DE CZT2 CZT2

V H2FL H2FL H2FL DE DRV8 DRV8

V WITN WITN WITN DE GNXG GNXG

V HJ4I HJ4I HJ4I DE YI4K YI4K

V OPN9 OPN9 OPN9 DE GYVR GYVR

V 8UPT 8UPT 8UPT DE SAY7 SAY7 (very active, many chats and messages)

V OQP8 OQP8 OQP8 DE TYPT TYPT

Other stations: 3NLA, AX6I, X9SB, XF18, G3JZ, Z9SB, 8UGT, 8FBG, G2IB, BEXZ

Notes and transcripts submitted JPL.

6837 kHz, 14-05, 1636-1652 UTC:

8790 kHz, 05-05, 0127 UTC: "While checking on GNXG on 8789 heard very strong signal nearby. Heard 2 different stations *on same freq* chatting. Same format as M89."

R R QSL 0935 QSL 0935 R K

7G NR 1671/CCK CK 8051 0515 0000 RMKS CQ K =
MSG NR 1671/CCK CK 8051 0515 0000 RMKS CQ = = =
TN63 4D5U A753 ... (Cont'd)
AR
VVV VVV 3NLA K
V NA5L ?
VV H..
R R
QSA ? K
RPT
VV 3ELWA
VV NR ? ? K
... 0050 K
VVV Z9SB K
QSL 0050 K
VVV X28 K
VV X.18 K
VV XF18 K
V QSL 0050 K
VV ... K
VV .31Z K
..5 NIL 0050 K
SK SK

5000 //4225 kHz, 15-05, 1020 UTC. In progress.

1924/1000/G56/8731 AR
TC9 MSG NR 05/CCK CK 2537 0515 1330 RMKS 8738 TO
1876/3538/8429/11../EEE
TCG 5 TO97G NR 05/CCK CK 2537 0515 1330 RMKS EEEE
NR 05/CCK CK 2537 0515 1330 RMKS 8738 TO
1876/3538/8429/1196/1899/1694/1369/8698 AR
TC9 MSG NR 05/CCK CK 2537 0515 1330 RMKS 8738 TO 1876/3538/EEE TC9
MSG
NR 05/CCK CK 2537 0515 1330 RMKS 8738 TO
1876/3538/8429/1196/1899/1694/1369/8698EEEE
TC9 MSG NR 05/CCK CK 2537 0515 1330 RMKS 8738 TO
1876/3538/8429/1196/1899/1694/1369/8698 AR
TC10 UGT COMM BT
1330 /U EEEE
T31 0 UGT OMM BT 1330/PT545/Z93/8738 AR
TC 10 UGT COMM BT1330/1545/Z93/8738 AR
P AR AR

5278 kHz, 15-05, 1201 UTC.
In chat. Frequency normally used by Q7NW.

DE TY..
OT W DE WM7 *TYPT*
TY
V OQP8 DE TYPT
V *8UGT* DE
GT
DE HAY GGT 8U.. 8UGT DE
VV 3NL K
VVV TNLAK
VV X. K
EEEE ... NR G 3 LM II LL QSW TO NR 03 NR 05 ...

Still going on at 1215 UTC.

6840/10640 kHz, 15-05, 1221 UTC. Once again another station in chat/tfc on
6840 prior to NYZ sked. NYZ sked 1221z until 1226z drowns weaker signal
which continued to send.

R AS AS
7GPS EEE CQ H....
.... 6UDT BDAU AR (1226z)
RWT ? K
NR 1635 CK 8T 15 T515 2000 BT
HW NW0673 K
50W BT
0247 K
AS
8FBG K

RR GA GA
RR VV VV MSG NR 013 CK 9555 0505 0930 RMKS 6338 TO 3538 R K
GA GA
RR = =
DA7U 3TNN BU54 A43T N6D5 ... AR K
R RPT 0945 QSL 0945 K
NR
NR ?
NR NR 043 NR 043 R K
GB
GB

10779 kHz, 04-05, 0230 UTC:

VVV HR SVC GA NR 20 1045 RMKS 5237 TO 6187 =
COMM/1100/LZ147A7/5238/6187 AR
HR SVC GA NR .. 1015 RMKS 5237 TO 6418 =
6708 5298 5268 =
HR QRW 6417 6707 5297 QRW L16 1100 KP 5238 AR AR
HR WK NR 44 QSL ?
V WITN WITN WITN DE GNXG GNXG

6837 kHz, 18-05, 1205 UTC:

V 8UPT (X3) DE SAY7 (x2) (Sends SAY7 then HAY7, so not sure which one is
correct)
VV 3NLA K (1208Z)
NR QSA 2 I C BT 76MO R K
NR U NR ? R R U NR ? K U NR ? K U NR ? U NR ?
R R AS AS
VV AX6I K
NR QSA 2 IE C BT 76MO AR K
R R U NR ?
BAS
VV X9SB K DE DE DE
NR T QSA 2 K
R R IEC BT 76MO AR K
R R UNR ? K
R R AS AS
VV XF18 K
DE
R R QA EEE QSA 2 K
R R IEC BT BT 76MO AR K
R R UNR ? K
R PT K
R R AS AS
VV G3JZ K
DE
R R QSA 2 K
R R IEC BT 76MO AR K
R R UNR ? K (1215z)
NR AS AS
VV HR CQ F GA HR U TEEEE CQ FGA FFNR 1983/EX 2016 RM KS CQ BT BT
EWR/158 AR
FF NR 1983/EX 20EEEE
FF NR 1983/EX 2016 RMKS BR
NAEWR/158 AR EDFF NR 1983/2 EEEE
FF NR 1983/EX 2016 RMKS ICQ BT BT
EWR/158 AR AR
VV 3NLA K
RR AS AS
VVAX6I K VV AX6I K
R R AS AS
VV X9SB K
R R B AS
V XFIZ K
DE
R R QSL. K
NR AS AS
VV G3JZ K
DE
NR QS. ? K
R R QSA 2 O18 K
NR AS AS
HR CQ F GA FF VV HR CQ GA FF NA 1984/EX 2021 RMKS CQ BT
NAHDT/. AR

8FBG K
G2IB K
UAY. T K
QSY 6 .. QSY 6
(Monitored until 1232z)

5278 kHz, 17-05, 1112 UTC:

VV Q63 RMN 8504 TO 50.4 UGT COMMSS BT BT 21831/5.84/2000/237
NR/850. AR
BT 21831/5.. 2000/237 BT NR /84 ? ? 504 AR AR
Z *GKVZ* DE (Silent 1132z)

6837 kHz, 17-05, 2005 UTC.

Working the same stations as at 1600 UTC: 3NLA, AX6I, X9SB, XF18, G3JZ

V 8UPT 8UPT 8UPT DE SAY7 SAY7
VV VVV 3NLA K (
VV 3NLA K
VV AX6I K
DE
R R QSA 2 K
R R I C BT 76MO AR K
NR U NR ?
R R
AS AS
VV X9SB K
XF M3UYA (This was sent by another station that came up on freq)
VV X9SB K
VV XF18 K
DE
R R QSA 2 K
NR I C BT 76MO K
NR UNR ? K
NR AS AS
VV G3JZ K
VV G3JZ K
VV G3JZ K
VV 3NLA K
VV ALL ALL QS EEEE
VV ALL ALL QSY TO NR 03
VV ALL QSY TO NR 03
VV ALL QSY TO NR 03 K PHR (Silent 2012z)

6837 kHz, 17-05, 1600 UTC. Chat in progress

8UPT DE SAY7 (Finally confirmed callsigns of station on this freq!)
VV 3NLA K
VV 3NLA K
VV 3NLA K
VV AX6I K
DE
R QSA 2 K (1602z)
NR C BT 76MO AR K
NA
HR/GMS012 K
NWA
HR NR GMS012 K
NE R R AS
VV X9SB K
VV X9SB K
VV X... K
VV XF18 K
UV G31Z K
UV H VV G3JZ K
VV G31Z K
VV VV BOZ
NR .3 K
VV BEXZ QSY TO NR 03 K (1607z – Silent. Appears to be a control station
working out stations on another freq)

6837 kHz, 19-05, 1201 UTC:

V 8UPT (x3) DE SAY7 (x2) (Cont'd) (Sent SAY7 both times today...)
VV 3NLA K (1201Z)

FF NR 1984/EX 2011 RMKS BT
BT HDT/F AR
FF NR 1984/EX 2021 RMKS CQ BT
BT HDT/F AR AR (2023Z)
VV 3NLA K
NR AS AS
VV AX6I EEE VV AX6I K VV AX6I K VV AX6I K
VV ... QSL 203 EEEE
AX6I U QSK QSL 2023 K
DE
QSL 2024 K
U R R . QSL 2024 K
AS (2027z)
NR AS AS
VV X9SB K
AS AS
VV XF18 K
DE
R QSL ? K
R R AS AS VV G3JZ K R R AS AS
VV HR CQ 7G GA HR CQ MSG GA MSG
NR 1985/CCK CK 80 51 T51 8 2000 RMKS CQ MSG
NR 1985/CCK CK 80 51 051 8 2000 RMKS CQ BT BT
7A63 DDE53 63DU A376 63D 5 3U67 ET367.. (Cont'd)
Rpt 7G BT BT BT
7A63 D653 .36 (2032z)
AS (2035z)
VV 3NLA K
NR NR DE
VV AX6I K
R R QSL ? K
RPT K
NR A. 50W BT BT T33A EEEE R. RPT 50W BT T337 AR BT . 337 AR K
R R AS AS
VV X9SB K
R R AS AS
VV XF18 K VV XF18 K
DE
R R QSL ? K R R R AS AS
VV G3JZ K
DE
NR QSL ? K
NR 5 AS
VV HR CQ MSG GA AS (2042z)
HR
VV HR CQ MSG GA MSG
NR 1986/CCK CK 80 51 0518 2000 RMKS CQ MSG
NR 1986/CCK CK 80 51 0518 2000 RMKS CQ BT BT
..45 7NU5 3A7AQ 75T4 N57U T5N3 ...(Cont'd) (2045z)
U73n a5td n74U NUDA 6DU5 D74A U36D 35DN 67AU 6D.U N4 DA T5UN
DA65
AR AR
VV 3NLA K (2049Z)
NR AS
VV AX6I K
R R AS AS
VV X9SB K
R R ..H AS AS
VV XF18 K
DE
R R QSL ? K R R AS AS
VV G3JZ K
DE
R R QS. ? K
NR R
HA EEE ALL HR Q..7.11 HR NR G7011 ALL AH ALL AS AS (2052z)
VV ALL HKGB ALL SKGB (1300z)
..Z K
VV ... K
QS. TO NR 03.. ONR . LSR (Fading)
UQSY TO NR.. K
..JZ K
VV 31ZJ K
DE
QSL EEE QSA 2 K
NR C BT BT .6 MO AR K

K QSA 2 K
 IEC BT 76MO AR K
 TAE UNR ? K
 NR ? K
 K
 UNR ? K
 SR. G.012 K
 NR AS
 VV AX6I K
 NR QSA 2 EE C BT 76MO AR K
 TR S. N G7012 K
 NR AS AS
 VV X9SB K
 NR QSA 2 K
 .. IEC BT 76MO AR K
 NR HR NR G7012 K
 RPT
 UNR G.05 EEE UNR G7041 K
 R R AS AS
 VV XF18 K
 K
 VV XF18 K
 NR QSA 2 K
 R R IEC BT 76MO AR K
 NR EIC BR 76MO AR K
 NR HR NR GM012 K
 NR AS AS
 VV G3JZ K
 K
 DE
 NR IEC BT 76MO AR K
 R R HR NR G7012 K

6837 kHz, 23-05, 1203 UTC:

HR NR G7013 K
 VV AX6 I K
 QSA 2 C BT BYJR AR K
 HR NR G7013 K
 NAS
 VV X9SB K VV X9SB K VV XF18 K
 R QSA 2 K
 R HR BT HYJU AR K
 NHR NR G7013 K
 NAS
 VV G3JZ K
 QSA 2
 R ISC BT HYJU AR K
 N HR IR G7013 K
 N AS
 VV X9SB K
 N QSA 2 K
 R ICE BT HYJU AR K
 R SR NR G7013 K
 N AS
 HR GA NR 1319/EX 2009 RMKS CQ BT
 RGR/UY AR
 NR 1319/EX 2009 RMKS CQ BT
 RGR/UY AR
 NR 1319/EX 2009 RMKS CQ BT
 RGR/UY AR
 VV 3NLA K
 N AS
 VV AX6I K
 N AS
 VV X9SB K
 N AS
 VV XF18 K
 N QSL ?
 VV G3JZ K
 TGN
 N B
 HR GA
 NR 1320/EX 2013 RMKS CQ BT
 K K H G/J C L U
 NR 1320/EX 2013 RMKS CQ BT

NR CK BT BT SWXS.. K
 R TR R HR NR G7011 K
 NR HR MSG GA K
 R AS (1305z)
 MSG NR .987 CK 80 68 0518 2200 RMKS 3128 8240 TO 3.. ..0 K BT BT
 N7.. 47DA 5D3. 73N...(Cont'd) (1306z)
 (Silent 1310z)
 QSL 21.. K (1316z)
 QSL .. O115 K
 NR
 1..Z8 CK 80 ..5101 210 BT RMKS 312 ..40 3128 820 K
 AS BT BT BT .. (Into 4 fig tfc – fading badly now-1319z)

6837 kHz, 22-05, 1201 UTC:

V 8UPT (x3) DE SAY7 (x2)
 VV 3NLA K VV 3NLA K
 RR TT EE R R QSA 2 K K
 R BT 76MO AR K
 VV HR NR GMS01. K
 / AS AS
 VV AX6I K VV A6XI K VV A6XI K VV A6XI K VV AX6I K VV AX6I K K
 NR QSA 2 K
 R R IEC BT 76MO AR K
 IEC BT 76MO AR K
 R R HR NR GMSOA12 K
 R R AS AS
 VV X9SB K
 R R QSA 2 K
 R IEC BT 76MO AR K
 R R IEC NR G7M..12 K R R AS AS
 VV XF18 K VV XF18 K
 DE
 R R QSA 2 K
 NR IEC BT 76MO AR K
 NR HR NR N7012 K
 AGRG7052 K
 R NR G7052 K
 NR AS AS
 VV G3JZ K
 DE
 NR QSA 2 K
 .. IEC BT 76MO AR K
 NR HR NR N7012 K (1212z)
 NR AS AS
 VV NR 1223/. 20.2 ..MKS/Q BT
 D7U7 EEEE BT
 ..1/0 AR
 E NR 1223/EX 1 12 RMKS CQ BT
 THF1/0 AR
 F NR 1223/EX 2012 RMKS CQ BT
 TH51/2 K
 NR 1223/EX 2012 RMKS CQ BT
 THH1/0 AR
 NR 1223/EX 2012 RMKS CQ BT
 THHAT/0 AR
 VV 3NLA K R R AS AS
 VV AX6I K R R AS AS
 VV X9SB K R R AS AS
 VV XF18 K NR AS AS
 VV G3JZ K R R AS AS
 NR 1224/EX 2018. ...CQ BT
 EWR/D AR
 NR 1224/EX 2018 RMKS CQ BT
 EWR/D AR
 NR 1224/EX 2018 RMKS CQ BT
 EWR/D AR
 VV 3NLA K
 RPT K RPT K
 VV 3NLA K R AS AS
 VV AX6I K R AS AS
 VV X9SB K R R AS AS
 VV XF18 K NR AS AS
 VV G3JZ K R AS AS
 VV MSG NR 1.25/CCK CK 80 51 05.2 .000 RMKS CQ
 MSG NR 1225/CCK CK 80 51 0522 2000 RMKS CQ BT BT

KKHG/J AR
 NR 1320/EX 2013 RMKS CQ BT
 KKHG/J AR
 VV XF18 K
 R QSL ?
 N AS
 VV G3JZ K
 QSL ?
 HR MSG GA
 7G NR 1321/CCK CK 80 5105 23 2000 RMKS CQ
 7G NR 1321/CCK CK 80 5105 23 2000 RMKS CQ
 BT BT BT
 N6UA 6DA4 DN34 6ANU (Cont'd)

6837 kHz, 26-05, 2152 UTC. SAY7 working AX6I. Long chat and messages

VV AX6I K VV AX6I K VV AX6I K
 QSA 2 K
 R IEC BT HYJU AR K (2154z)
 HR NR G7013 K
 HR GA
 CK.. NR 1516/EX 0554 RMKS 1849 824 TO 1849 829 K = =
 HGJF/7V = =
 <skipped the rest>
 MSG NR 1552 CK 80 68 0526 0550 NMKS 1849 8240 ..849 829 K =
 = 33UA DNTA NT7D 5UNA 74DA 657D ANDU 4ANU D6U3 7.46
 T347 U36A NT7D .3.. UTD3 65NA 35DA 7A4T 6N4D AU36 UN56
 75AD 5TDN N3AT 36A7 3UDN 6DUT U736 N7U5 3DU6 D3A5
 A.. N5AU 7.D5 65TA U7DN ..3T 7UNA 647U 673D UA57 DA6U 5T3N
 4U3D 7TN6 U..N DN74 57NU NA7U TA7A 7DTN TD75 7.3T
 5736 NA3D 3TUA 5467 4UTN 36T7 53N6 .TUTN ...H3 AD6U 43TN
 ..TU DAND UN3. 73NT 76DU T546 DAT3 7D46 75T3 TAU3 A7UT
 74DU N3DA D5NA N3AU ATN5 AR
 Etc. etc.

A.56 AN... (Into 4 fig cut number cipher message – 1225z)
 AR
 VV 3NLA K
 RPT
 VV 3NLA K

6837 kHz, 24-05, 1300 UTC:

VV G3JZ K (1300z)
 VV BTEEE VV HOM QSY TO NR 03
 VV BOZ QSY TO NR 03 .. K (1300z) (Silent - probably QSY to freq Nr 03)

6837 kHz, 17-05, 2212 UTC. In progress.

1936 K K 8068 0518 0550 BT
 RMKS 312.. .K
 BT BT BT

6837 kHz, 26-05, 1159 UTC:

V 8UPT (x3) DE SAY7 (x2) K (Cont'd) followed by a long chat and a message.
 Message transcript:

VV VV MSG NR 1513/CCK CK 80 51 0525 2000 RMKS CQ
 MSG NR 1513/CCK CK 80 51 0525 20000 RMKS CQ = = =
 TN6. 4D5U A753 3N7D DT7A DNAT U63N 56A4 5TAU T7DU 5D7U
 7A3T N6D5 A736 T53D 46N5 5N4D DN7A 5NU6 634U 563D 5UTN
 NUT3 6D4T U75T 4DAN U365 D4N7 DUNA 4A73 67D3 5.N7 3.4A
 U67D DAUN 5T43 ..U7 UNTA AUDN 4TU3 D7N4 34N6 DTU5 UAND
 7DNA AUDT ..UA ..D4 TATU TD6A 4T35 3564 6345 7TDN ND76
 5.3U 43UA .5.U NTD7 ... 457T D7IAN AT67 A43U TUD4 U3D7 6NTU
 6U7N D3U5 643N A.U3 NU5D .36N NDU7 T3.D 34AA ..347 .4NA
 673D AR (1224z)



MC03 Chinese Air Defense

13981 kHz, 10-05, 1810 UTC:

Figure message using cut numbers AU34567DNT, duplex contact, requesting QSL and RPT

VARIOUS MODES



XP family

9288 kHz, 01-05, 0440 UTC:	244 244 244 000 06532 00001 00000 10140 +++++
11488 kHz, 17-05, 0520 UTC:	244 244 244 000 06532 00001 00000 10140 +++++
14538/13538/12138 kHz,	
06-05, 2000/2020/2040 UTC:	00940 00053 14316 15819 66280 28816 28442 77183 06557 43070 17115 82864 68006 51808
	80860 15988 71820 28762 33909 93885 54790 48855 63840 35868 12228 74273 31377 45522
	70934 44055 22004 6881 6425 0099 50033 22110 73991 96333 17488 08419 55940 37355
	73652 50072 32909 81810 18800 40403 32405 97984 79489 85859 37294 58781 92464 74450

Russian Government & Intelligence

M42 & X06



Modes:

Various digital modes + CW



Only a few logs this month.

14650.5 kHz, 01-05, 0725 UTC: Russian Gov. All encrypted text. Mode: CROWD-36
14650 kHz, 08-05, 1115 UTC: Mazielka. Sequence: 215346
17431 kHz, 12-05, 1200 UTC: Russian Intel. Mode: FSK 200/500
16278 kHz, 15-05, 0758 UTC: Russian Gov. clg unid embassy "UDZ26". QSY 19823U ..QSY 1823U... Mode: CW
11440 kHz, 17-05, 0652 UTC: Russian Gov. Mode: CROWD-36
11490 kHz, 19-05, 0439 UTC: Russian Gov/Intel. VVV RJS3 DE RVQ4 QSA. Mode: Baudot 50/500



North Korean diplomatic stations

21001.5 kHz, 02-05, 1328 UTC: North Korean embassy Moscow. DPRK-ARQ 600/600



Egyptian diplomatic stations

20223.7 kHz, 01-05, 2009 UTC: Egyptian Embassy, Lagos with hex offline crypto to MFA Cairo. Mode: SITOR-A 170/100
14436.7 kHz, 05-05, 1157 UTC: MFA Cairo calling TVXX (Egyptian embassy San'a) followed by a message.
Mode: SITOR-A 170/100
19433 kHz, 08-05, 1629 UTC: Egyptian Embassy, Bamako c/s 33303 to MFA Cairo c/s 99907. Mode: 80bd Codan Chirp
13980 kHz, 14-05, 1755 UTC: MFA Cairo. USB/CF +1500 Codan 16 tone PSK/1200/1785 and CF +1700 Sitor-A 100/170
Codan modem traffic followed by short ATU-A traffic in Sitor-A

UTILITY ROUND-UP



Unid Indonesian weather? net

Active for years on 14277.7 kHz but not one single report since late March.



Military Voice Loop

A voice loop was transmitted on 17 and 18 May. Transcript: *"She had your dark suit in greasy wash water all year. Don't ask me to carry an oily rag like that. They used an aggressive policeman to flag thoughtless motorists"*

6990 0209 17-05-2012 (oar9fi)
6990 0324 17-05-2012 (BCA)
6990 0615 17-05-2012 (AB-MD)
6990 1545 17-05-2012 (NR)
6950 2315 17-05-2012 (CS)

6950 0550 18-05-2012 (AB-CO)
6950 0730 18-05-2012 (SL)
6950 1154 18-05-2012 (LvH)
6950 1140 18-05-2012 (CS)
6950 2315 18-05-2012 (CS)

Andrew Yoder reports hearing this same station on November 5, 2011 on 21450.7 kHz.

Jack found another one on 24 May, 1507 UTC on 7536 kHz. This time the transmission consisted of male and female operators who read passages from a book. The verbatim LibriVox recording of *"Adventures of Huckleberry Finn". Chapter 7* was read by Patricia York & Chapter 8 was read by Markus Wachenheim. Info on LibriVox at: <http://librivox.org/the-adventures-of-huckleberry-finn-version-3/>

Who/what is this?

These transmissions are used for training of SIGINT operators, mostly by the US Navy, and these broadcasts are most often used during the various Training/Qualification/Certification phases for large battle groups (like a carrier or large-deck amphibious vessel).

The Navy trains for all aspects of modern warfare; such as Anti-Air, Anti-Surface, Anti-Submarine, Mine counter-measures, Air/Flight Ops, and yes, SIGINT. The teams deployed within a battle group have to undergo many of the same qualification steps as the rest of the battle group including acquisition, processing/analysis, geolocation (Direction Finding) and reporting.

They have been heard using the Harvard sentences, Huckleberry Finn, the Bible, and even some book that was very inflammatory (calling for the destruction of the US by muslim warriors). They often use speakers with accents or will switch from male to female or even switch speakers mid-sentence in an effort to confuse. Also, if there is voice activity, there is likely some simple digital mode (45/50/75bd RTTY, 110b ASCII or SITOR-B) also active once or twice each hour somewhere nearby.

In the past, many of these transmissions have come from the vicinity of Mayport/Jacksonville, San Diego and Seattle/Bremerton. They are run by the Afloat Training Groups (ATGs) that are responsible for training and evaluating the battle groups. The station down on 6950/6990 kHz was coming out of the Mayport/Jacksonville area.

Some Special Forces Units also run oddball transmissions like this for signals training.

Patrick copied the Carabinieri on 7598 kHz LSB on various days in May.
Language: Italian.

IEA20: Comando Generale Carabinieri Roma 0634 LSB radio checks
IEA21: Carabinieri Torino. Radio check with IEA20
IEA22: Carabinieri Genova. Radio check with IEA20
IEA24: Carabinieri Venezia. Radio check with IEA20
IEA26: Carabinieri Padova. Radio check with IEA20
IET31: Carabinieri Bologna. Radio check with IEA20
IET32: Carabinieri Ancona. Radio check with IEA20
IET36: Carabinieri Cagliari. Radio check with IEA20
IEU40: Carabinieri Roma Helinucleo. Radio check with IEA20
IEU42: Carabinieri Catanzaro. Radio check but not heard by IEA20
IEU43: Carabinieri Bari. Radio check with IEA20
IEU45: Carabinieri Palermo. Radio check with IEA20
IEU46: Carabinieri Campobasso. Radio check with IEA20
IEU63: Carabinieri Potenza. Radio check with IEA20
IEA600 Mangusta. Radio check with IEA20, IEA20 was calling "Mangusta",
the station was identifying itself as "IEA sei cento Mangusta"

CARABINIERI



Annual Military/Amateur Radio Crossband Communications Test

a.k.a.

Annual Armed Forces Day Crossband Test

Picture by ARRL

The Army, Air Force, Navy, Marine Corps and Coast Guard participated in the annual Military/Amateur Radio Crossband Communications Test in celebration of the 62nd anniversary of Armed Forces Day. The tests were scheduled for May 12th and we received several logs via UDXF.

The annual celebration featured traditional military-to-amateur crossband communications SSB voice and Morse code tests on a large number of frequencies. Participating military stations transmitted on selected military MARS frequencies and listened for Amateur Radio stations in the amateur bands. The Secretary of Defense message was transmitted via digital modes, including RTTY, PACTOR, AMTOR, PSK-31, MFSK and MT63 from certain stations.

4018.0	WAR - Pentagon, Washington, DC
6823.0	WUG 2-B - US Army Corps of Engineers, Memphis, TN
7311.0	WAR - Pentagon, Washington, DC
7389.0	NWVJ, IN
7577.0	AAZ - Army Fort Huachuca, AZ
13286.0	NWVC - USS LST 325
13507.0	AAZ - Army Fort Huachuca, AZ
13826.0	NWVC - USS LST 325
13910.5	AAC - Lexington, KY
13985.1	AIR - Joint Base Andrews Naval Air Facility Washington
13993.0	AIR-2 - Hancock Field Air National Guard Base
14391.5	NBL - MARS Groton, CT
14402.0	AAZ - Army Fort Huachuca, AZ

14427.0 NMN - Camslant Chesapeake
14438.5 WAR - Pentagon, Washington, DC
14391.0 NBL - MARS Groton, CT
14402.0 AAZ - Army Fort Huachuca, AZ
14464.0 NNOCQQ, CA
14467.0 NWKJ - USS Yorktown
14486.0 WUG 2-B - US Army Corps of Engineers, Memphis, TN
14663.0 WUG 2-B - US Army Corps of Engineers, Memphis, TN
18211.0 AAZ - Army Fort Huachuca, AZ
20623.5 NBL - MARS Groton, CT
20963.5 WUG 2-B - US Army Corps of Engineers, Memphis, TN
27991.0 WAR - Pentagon, Washington, DC

Intelligence profile: **Estonia**



BACKGROUND

After centuries of Danish, Swedish, German, and Russian rule, Estonia attained independence in 1918. Forcibly incorporated into the USSR in 1940 - an action never recognized by the US - it regained its freedom in 1991 with the collapse of the Soviet Union. Since the last Russian troops left in 1994, Estonia has been free to promote economic and political ties with the West. It joined both NATO and the EU in the spring of 2004, formally joined the OECD in late 2010, and adopted the euro as its official currency on 1 January 2011.

GENERAL

Country name: Eesti Vabariik (Republic of Estonia)
Short name: Eesti (Estonia)
Former name: Estonian Soviet Socialist Republic
Capital: Tallinn
15 counties: Harjumaa, Hiiumaa, Ida-Virumaa, Järvamaa, Jõgevamaa, Laanemaa, Laane-Virumaa, Pärnumaa, Polvamaa, Raplamaa, Saaremaa, Tartumaa, Valgamaa, Viljandimaa, Vorumaa

MILITARY

Estonian Defense Forces (Eesti Kaitsevägi): Land Force (Maavägi), Navy (Merevägi), Air Force (Ohuvägi), Volunteer Defense League (Kaitseliit, KL)

INTELLIGENCE & SECURITY AGENCIES

Kaitsepolitseiamet (KAPO) (Security Police Board)
Teabeamet (State Intelligence Board)
Kaitseväe luureosakond J2 (Military Intelligence Department J2)
National Defense Committee

National Security Concept of the Republic of Estonia (2004). Section 4.2.2.

“The goal of the activities of the security agencies, the Security Police Board (Kaitsepolitsei) and Information Board (Teabeamet), is to ensure national security and maintain constitutional order through non-military preventive measures. To achieve this goal, and for the outlining of the National Security Policy, the security agencies collect and process information, on the basis of which the fundamental principles of the National Security Policy are formulated. The activities of the security agencies are coordinated through the Government’s Security Commission. The Security Police Board collects and processes information concerning activities, which are aimed at the violent breach of constitutional order and territorial integrity of the state. The Security Police Board’s functions are: to prevent espionage, protect state secrets, and combat terrorism and corruption. In legislatively stipulated circumstance, criminal cases are investigated.

The Information Board collects intelligence concerning foreign countries and developments and events abroad needed for the formulation of Foreign, Economic, and Defence Policy. The Information Board performs counter-intelligence functions for the protection of Estonian diplomatic missions, and Defence Forces units stationed abroad. The Information Board also organizes and monitors the implementing of the measures adopted for the security of electronically transmitted information. The Information Board and the Security Police Board participate in the work of relevant institutions, fulfilling essential counter-intelligence functions and protecting electronically transmitted information. The system for safeguarding state secrets is being further developed in the context of classified NATO and EU documents. It is ever more essential to obtain timely information concerning developments dangerous for national security. To counter security threats, the security agencies develop domestic and international cooperation. As Estonia broadens the scope of its participation in international crisis management and peace operations, the information collected by the security agencies concerning international crises becomes ever more significant.

To counter the spread of terrorism, the security agencies are developing, in parallel with domestic activities, international cooperation, primarily, to prevent the proliferation of weapons of mass destruction, and to identify and eliminate international terrorism’s possible sources of financing.

Kaitsepolitseiamet (KAPO)

The Estonian Security Police is headed by a Director General. The Director KAPO has three deputies. The structural units of the KAPO include four regional departments:

- Northern Department (service area: Harju County)
- Southern Department (service area: Valga County, Võru County, Viljandi County, Tartu County, Jõgeva County and Põlva County)
- Eastern Department (service area: Lääne-Viru County and Ida-Viru County)
- Western Department (service area: Hiiu County, Saare County, Lääne County, Järva County, Rapla County and Pärnu County)

The independence of the Republic of Estonia was proclaimed on 24 February 1918, in Tallinn. On the following day German troops took control of the town and a 9-month-long occupation started, at the end of which the Germans handed over the power to the Estonian Provisional Government. The Estonian Police was established on 12 November 1918, but already on 28 November the newly started developing of the country was disrupted by the Red Army attack and the outbreak of the War of Independence. In the wartime the investigation of political crimes as well as intelligence and counterintelligence were the responsibilities of the Department of Military Information Gathering of the Directorate of the General Staff.

In July 1919 the Government of the Republic convened a committee which started to develop a law enforcement agency that would tackle crimes targeted against constitutional order. The KAPO, initially under the subordination

of the Ministry of Court, was placed in the area of government of the Ministry of Internal Affairs in January 1920. The legal basis for the activities of the Security Police was established by the Order of the Security Police of the Republic of Estonia signed by the Prime Minister and Minister of Internal Affairs on 12 April 1920. The main task assigned to the KAPO was combating crimes aimed at overthrowing the democratic republic and constitutional order. Period 1940-1991: Nazi and Soviet occupation, Nazi and Soviet intelligence were active.

On 1 February 1991 the Government of the Republic of Estonia issued Regulation No. 24 "Approval of the Structure of the National Police Board of the Ministry of Internal Affairs of the Republic of Estonia". On 12 February 1991 the Estonian Security Police and the Security Police Administration were established by Directive No. 42 of the Ministry of Internal Affairs of the Republic of Estonia. The Estonian Security Police was formed on the basis of Department No. 6 of the Ministry of Internal Affairs of the Republic of Estonia and the Security Police Administration at the Estonian Police Board on the basis of Department No. 7 of the Ministry of Internal Affairs of the Republic of Estonia. The Security Police Administration was subordinated to the Estonian Security Police. The Estonian Security Police was headed by Director, the head of the Security Police Administration was Commissar.

The tasks of the KAPO laid down by the Police Act are combating organised crime and terrorism, protecting territorial integrity and state secrets, protecting secrets related to science, technology and business, securing the safety of national cultural heritage, state agencies, politicians and public officials. Pursuant to the Security Authorities Act, which entered into force on 1 March 2001, the status of the Estonian KAPO was changed from a police authority into a security authority.

The main tasks of the *Politsei- ja Piirivalveamet* are the securing of the external border of the European Union; the determination of citizenship and issue of documents; security and public order in the state; and the investigation and prevention of offences. These tasks are divided between four work areas: border guard, public order, criminal police, and citizenship and migration. The first contact points for people in their home town or village are sub-units of four regional prefectures - constable stations, border guard stations or service offices of Migration and Citizenship Bureau.

In its present structure, *Politsei- ja Piirivalveamet* started its work on 1 January 2010 when Police Board, Central Criminal Police, Public Order Police, Border Guard Board, and Citizenship and Migration Board (CMB) were merged. On the basis of the former police prefectures, border guard territories and regional offices of CMB, four territorial prefectures were formed which will be also incorporated into PBGB and form one authority as of 2012. By merging the agencies, all resources related to the ensuring of internal security – people, experience, funds and equipment were combined under one management.

Kaitseväge luureosakond J2

The Department of Intelligence (J2) is the intelligence unit of the Norwegian Defense Forces.

The main functions are:

- manage the development of military intelligence's capability;
 - organize and develop security-related activities, including the protection of state secrets and classified information of the Defense Forces;
 - coordinate the implementation of the principles of the NATO intelligence and security;
 - to organize an intelligence and security training in the conduct of the armed forces;
 - to plan and coordinate the activities of military intelligence and security cooperation between agencies;
 - to organize an intelligence and security support for the structural units of the Defence Forces;
 - conduct risk and threat assessments and the preparation of situation analyzes;
 - to organize an intelligence and security cooperation with NATO, the European Union, other countries, and military institutions and security agencies.
-

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

CIA World Factbook

Wikipedia

National Security Concept of the Republic of Estonia

KAPO <http://www.kapo.ee/est>

Politsei- ja Piirivalveamet <http://www.politsei.ee>

MOI <http://www.siseministeerium.ee/>

MFA <http://www.vm.ee/>

MOD <http://www.mod.gov.ee/>

Defense Forces <http://www.mil.ee>

Intelligence profile:

Lithuania



BACKGROUND

Lithuanian lands were united under Mindaugas in 1236; over the next century, through alliances and conquest, Lithuania extended its territory to include most of present-day Belarus and Ukraine. By the end of the 14th century Lithuania was the largest state in Europe. An alliance with Poland in 1386 led the two countries into a union through the person of a common ruler. In 1569, Lithuania and Poland formally united into a single dual state, the Polish-Lithuanian Commonwealth. This entity survived until 1795 when its remnants were partitioned by surrounding countries. Lithuania regained its independence following World War I but was annexed by the USSR in 1940 - an action never recognized by the US and many other countries. On 11 March 1990, Lithuania became the first of the Soviet republics to declare its independence, but Moscow did not recognize this proclamation until September of 1991 (following the abortive coup in Moscow). The last Russian troops withdrew in 1993. Lithuania subsequently restructured its economy for integration into Western European institutions; it joined both NATO and the EU in the spring of 2004.

GENERAL

Official name: Lietuvos Respublika (Republic of Lithuania)

Short name: Lietuva (Lithuania)

Former name: Lithuanian Soviet Socialist Republic

Capital: Vilnius

10 Counties: Alytaus, Kauno, Klaipėdos, Marijampolės, Panevėžio, Šiaurės, Tauragės, Telšiai, Utenos, Vilniaus

MILITARY

Lithuanian Armed Forces (Lietuvos Ginkluotosios Pajėgos): Ground Forces (Sausumos Pajėgos), Naval Forces (Karinės Jūrų Pajėgos), Air Forces (Karinės Oro Pajėgos), National Defense Volunteer Forces (Krašto Apsaugos Savanorių Pajėgos)

INTELLIGENCE & SECURITY AGENCIES

Antrasis Operatyviniu Tarnybu Departamentas - AOTD / Second Investigation Department
(literally: Second Department of the Operative Services)

Valstybes Saugumo Departamentas - VSD / State Security Department

Finansiniu nusikaltimu tyrimo tarnyba - FNTT / Financial Crime Investigation Service

Specialiuju Tyrimu Tarnyba - STT / Special Investigation Service

Policijos Departamentas / Police Department

Valstybine Sienos Apsaugos Tarnyba / State Border Guard Service

Lietuvos Muitine / Customs of the Rep. of Lithuania

Vadovybes Apsaugos Departamentas / VIP Protection Department

During the Soviet occupation the KGB and GRU were very active in Lithuania. One of the SIGINT stations was located in Linksmakalnis. The large HF and satellite SIGINT station in Linksmakalnis and a small HF transmitting site in nearby Garliava were operational for almost 50 years. Linksmakalnis is located at 54 deg. 45` 39" N / 23 deg. 56` 31" E. The site was the home of military unit 71272. The satellite station was called "Fobos". Operations ceased in 1991. The last antennas were demolished in 2005.

Valstybes Saugumo Departamentas (VSD)

On March 11th, 1990 the Seimas (Lithuania's Parliament) announced the country's independence from the Soviet Union. During the first years of independence the Soviet Army, KGB and GRU were still in the country. The main task of the VSD in those days was to gather information about subversive forces that wanted to overthrow the legitimate leadership of the Republic of Lithuania. On January 20th, 1994 the Seimas adopted a law in which the tasks of the VSD were set out.

The VSD's mission is to protect the sovereignty of the Republic of Lithuania and its constitutional order, providing national security institutions the information needed to perform their duties. If offenses occur that pose a threat to national security, the sovereignty, territorial integrity and the integrity of the constitutional order, public interest, defense and economic power; VSD is tasked to combat them. VSD is responsible for intelligence and counter-intelligence; research, analyzing and predicting social political and economic processes related to national security; control of the Lithuanian state secrets within the country and its institutions abroad; and the fight against terrorism.

Specialiuju Tyrimu Tarnyba (STT)

The STT is an anti-corruption agency accountable to the President and the Seimas of the Republic of Lithuania, whose mission is to reduce corruption as a threat to human rights and freedoms, the principles of the rule of law and economic development. STT's activities include: Law enforcement, Corruption prevention, Anti-corruption education and awareness raising of the public.

Reforms in the government structure launched after restoration of Lithuania's Independence in 1990 highlighted the problem of corruption in state and municipal institutions. A number of law enforcement institutions were involved in the fight against this criminal practice but there was no central body to undertake coordination of the investigation of corruption-related offences.

A growing number of instances of corruption captured the attention of foreign investors, the European Union institutions and international organisations who became concerned about this dangerous trend. As a result of this the STT was launched by Government Resolution No. 135 of February 18th, 1997. Until 2 May 2000 the agency was structured under the Ministry of the Interior.

After that STT became an independent institution, accountable to the President and the Seimas of the Republic of Lithuania.

Finansiniu Nusikaltimu Tyrimo Tarnyba

The mission of the FNTT is to protect the state financial system by disclosing criminal actions and other violations of law. The goal of the FNTT is to elaborate methods of combating criminal activities against the State financial

system. Pursuing this goal FNTT takes an active part in the implementation of the National programme of crime prevention and control.

Valstybine Sienos Apsaugos Tarnyba

The State Border Guard Service (VSAT) is charged with controlling borders (border surveillance and border checks) in Lithuania. The VSAT falls under authority of the Ministry of the Interior, which supervises and controls the implementation of border guard policy. The structure of the VSAT is as follows: Commander of the Service, Central Headquarters, 7 Frontier Districts (Ignalia, Vilnius, Varėna, Lazdijai, Pagėgiai, Coast Guard district, Šiauliai), Foreigners' Registration Centre, Border Guard School, Ignalina Nuclear Power Plant Security Brigade.

Lietuvos Muitinė

The Customs System of the Republic of Lithuania comprises the Customs Department under the Ministry of Finance of the Republic of Lithuania, Customs Criminal Service, Customs Training Centre, Customs Laboratory, Customs Information System Centre and three territorial Customs offices (Vilnius, Kaunas, Klaipėda). The mission of the Lithuanian Customs is to protect the society, market, environment and financial interests of Lithuania and the European Union (EU) from Customs officers and employees, to introduce and apply modern working methods and tools, to form the harmonious culture of the institution.

Vadovybes Apsaugos Departamentas

The main task of the VAD is to ensure the protection of state leaders, persons substituting for the Chairman of the Seimas and the Prime Minister, members of their families, official guests visiting the Republic of Lithuania and other persons against attempts on their lives and/or health and the protection of the objects protected.

Antrasis Operatyvinių Tarnybų Departamentas - AOTD / Second Investigation Department

The AOTD officially was re-established on 1 June 1990. The Second branch of the National Defence Department (which later became Ministry of Defense) was tasked to monitor location, movement and activities of remaining Soviet armed forces. Later responsibilities were more clearly divided. The branch was tasked with strategic intelligence and counterintelligence, while the armed forces developed integral intelligence capabilities for their own operational needs. Military intelligence was confronted with similar challenges as the VSD - it lacked experienced and trained professionals. Armed Forces intelligence was slightly reorganized in 2008 when J2 was moved from the Defense Staff of Ministry of Defense to Joint staff, which is responsible for conduct of operations and exercises.

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

Wikipedia

CIA World Factbook

Antrasis Operatyvinių Tarnybų Departamentas <http://www.kam.lt/en>

Valstybės Saugumo Departamentas <http://www.vsd.lt/>

Finansinių nusikaltimų tyrimo tarnyba <http://www.fntt.lt/>

Specialiuju Tyrimu Tarnyba <http://www.stt.lt/en/>

Policijos Departamentas <http://www.policija.lt/en>

Valstybinė Sienos Apsaugos Tarnyba <http://www.pasienis.lt/>

Lietuvos Muitinė <http://www.cust.lt>

Vadovybės Apsaugos Departamentas <http://www.vad.lt>

Intelligence profile: **Turkmenistan**



BACKGROUND

Eastern Turkmenistan for centuries formed part of the Persian province of Khurasan; in medieval times Merv (today known as Mary) was one of the great Islamic cities and an important stop on the Silk Road. Annexed by Russia between 1865 and 1885, Turkmenistan became a Soviet republic in 1924. It achieved independence upon the dissolution of the USSR in 1991. Extensive hydrocarbon / natural gas reserves could prove a boon to this underdeveloped country once extraction and delivery projects are expanded. The Turkmen Government is actively working to diversify its gas export routes beyond the still dominant Russian pipeline network. In 2010, new gas export pipelines that carry Turkmen gas to China and to northern Iran began operating, effectively ending the Russian monopoly on Turkmen gas exports.

GENERAL

Country name: Turkmenistan
Former name: Turkmen Soviet Socialist Republic
Capital: Ashgabat (Ashkhabad)
5 Provinces: Ahal Welayaty, Balkan Welayaty, Dashoguz Welayaty, Lebap Welayaty, Mary Welayaty
1 Independent city: Ashgabat

MILITARY BRANCHES

Army, Navy, Air and Air Defense Forces

INTELLIGENCE & SECURITY AGENCIES

State Security Council
Defense and National Security Council
Ministry for National Security (former Committee for National Security - KNB)
Ministry for Internal Affairs
Ministry of Defense

State Security Council of Turkmenistan

The State Security Council is the most important defense decision-making body in the country. The President defines the powers of the Council. This is defined in the 1995 Law on Defense.

Defense and National Security Council

This is the advisory committee on defense and security matters to the President.

Paramilitary Forces:

- *Border Guard*, which is a military body that provides the border protection;
 - *National Guard*, also known as the Internal Troops of the Ministry for Internal Affairs;
 - *The Police*, also under the Ministry for Internal Affairs.
-

Türkmenistanyň Milli Howpsuzlyk Ministrilgi / Ministry for National Security

With Presidential Decree of 10 September 2002 the MNB was established. It was formerly known as KNB – *Komitet Natsionalnoi Bezopastnosti* (Committee for National Security).

The MNB is the state intelligence agency of the government of Turkmenistan. It is composed largely of the remnants of KGB organs left over after the collapse of the Soviet Union; its functions remain largely the same as well. The KNB was under the direction of the Ministry of Internal Affairs.

Police

The Ministry of Internal Affairs directs the operations of police departments, which cooperate closely with the forces of the Ministry of National Security on matters determined to affect national security.

Ministry of Defense

The MOD has a small intelligence unit for intelligence collection and counterintelligence matters.

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

CIA World Factbook

Wikipedia

Library of Congress Country Study

International Intelligence Yearbook 2003

Turkmenistan: <http://www.turkmenistan.gov.tm>

Ministry of Communications: <http://www.turkmentel.gov.tm>



Dutch military SIGINT site Schefferkamp, De Lier, The Netherlands

LOGS SECTION

Freq.	enigma	remarks	mode	date	day	UTC	contributor
2296.5	M32	Russian Mil. Net Control "PSLI"	CW	14-5-2012	Mon	1933	(BCI)
2680	M22	4XZ: Israeli Navy. vvv de 4XZ	CW	24-5-2012	Thu	2256	(SW2)
2680	M22	VVV de 4XZ	CW	23-5-2012	Wed	2124	(VL)
2860	M22	VVV de 4XZ	CW	23-5-2012	Wed	2123	(VL)
3246	M21	Russian Air Defence =990051???0????? //5221.5 kHz	CW	13-5-2012	Sun	2048	(MPJ)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	11-5-2012	Fri	2010	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	18-5-2012	Fri	1725	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	25-5-2012	Fri	1541	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	14-5-2012	Mon	1449	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	14-5-2012	Mon	1346	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	5-5-2012	Sat	2103	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	19-5-2012	Sat	1200	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	6-5-2012	Sun	1349	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	13-5-2012	Sun	1828	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	20-5-2012	Sun	1816	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	20-5-2012	Sun	1544	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	17-5-2012	Thu	1526	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	17-5-2012	Thu	1944	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	1-5-2012	Tue	1315	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	1-5-2012	Tue	1604	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	1-5-2012	Tue	1914	(JPL-HK)
3297	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	8-5-2012	Tue	1730	(JPL-HK)
3642	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	11-5-2012	Fri	2206	(JPL-HK)
3642	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	10-5-2012	Thu	2116	(JPL-HK)
3756	S30	Pip marker	CW	26-5-2012	Sat	2110	(AB)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	11-5-2012	Fri	2012	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	18-5-2012	Fri	1907	(JPL-HK)
3797	M89	VVV H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	6-5-2012	Sun	1352	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	3-5-2012	Thu	1905	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	3-5-2012	Thu	1252	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	10-5-2012	Thu	1411	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	10-5-2012	Thu	1644	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	17-5-2012	Thu	1151	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1317	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1317	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1608	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1916	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1916	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	1-5-2012	Tue	1608	(JPL-HK)
3797	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	8-5-2012	Tue	1732	(JPL-HK)
3815	G11	262/00	USB	11-5-2012	Fri	2000	(AnEur)
3815	G11	262/00	USB	13-5-2012	Sun	2000	(HFD)
3828	S32	Squeaky Wheel marker	USB	26-5-2012	Sat	2110	(AB)
4150	MX	V: UZB Khiva	CW	23-5-2012	Wed	2144	(VL)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	4-5-2012	Fri	1001	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	11-5-2012	Fri	2008	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	11-5-2012	Fri	1117	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	18-5-2012	Fri	1707	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	18-5-2012	Fri	2127	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	18-5-2012	Fri	1901	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	18-5-2012	Fri	1325	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	18-5-2012	Fri	1050	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	25-5-2012	Fri	1537	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	25-5-2012	Fri	1319	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	25-5-2012	Fri	2140	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	14-5-2012	Mon	1609	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	14-5-2012	Mon	1231	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	14-5-2012	Mon	1447	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	14-5-2012	Mon	1859	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	14-5-2012	Mon	1344	(JPL-HK)
4225	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	5-5-2012	Sat	1533	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	19-5-2012	Sat	1158	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	19-5-2012	Sat	2314	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	19-5-2012	Sat	1007	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	13-5-2012	Sun	2316	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	13-5-2012	Sun	1631	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	13-5-2012	Sun	1038	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	13-5-2012	Sun	1210	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	13-5-2012	Sun	1826	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	20-5-2012	Sun	2204	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	20-5-2012	Sun	1814	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	3-5-2012	Thu	1206	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	3-5-2012	Thu	1903	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	3-5-2012	Thu	2234	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	1407	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	1825	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	2118	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	1017	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	1211	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	10-5-2012	Thu	1640	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	17-5-2012	Thu	1524	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	17-5-2012	Thu	1942	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	17-5-2012	Thu	1111	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	17-5-2012	Thu	1006	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	24-5-2012	Thu	1126	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	24-5-2012	Thu	1903	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	24-5-2012	Thu	1251	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	24-5-2012	Thu	1045	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	1-5-2012	Tue	1602	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	1-5-2012	Tue	1912	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	1-5-2012	Tue	2207	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	1-5-2012	Tue	1313	(JPL-HK)
4225	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	1-5-2012	Tue	1217	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	8-5-2012	Tue	1825	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	8-5-2012	Tue	1726	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	15-5-2012	Tue	2310	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	15-5-2012	Tue	1020	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	15-5-2012	Tue	2041	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	22-5-2012	Tue	1446	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	22-5-2012	Tue	1010	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	22-5-2012	Tue	1931	(JPL-HK)
4225	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	9-5-2012	Wed	2221	(JPL-HK)
4225	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	16-5-2012	Wed	2038	(JPL-HK)
4225	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	16-5-2012	Wed	1539	(JPL-HK)
4225	M89	7NPE de QV5B	CW	23-5-2012	Wed	2057	(VL)
4243.0	V26	// 9054, 7345	USB	21-5-2012	Mon	1220	(Token)
4258	VC01	Chinese Robot in progress. Also heard at 1557 UTC	USB	26-5-2012	Sat	1351	(AB-HK)
4331	M22	4XZ: Israeli Navy Haifa. vvv de 4xz 4xz tfc msg	CW	26-5-2012	Sat	2229	(SW2)
4331	M22	VVV de 4XZ	CW	23-5-2012	Wed	2059	(VL)
4419	M32	5WNC: Russian Mil NCS. Msg for collective 5V7J. 5V7J QTC ZOM + (rptd). 5WNC 193 20 14 0048 193 = ZOM 130 = PPPPP ZÄDVJ CchAPch ... CchAPch ÄRPÄY 250 K. Requests QSLs from IR.. WO8I OEIL IGCZ EF2S YC9W 7KG7. QTAs (cancels) msg to 1UTH & D2DT.	CW	13-5-2012	Sun	2052	(MPJ)
4474	M89	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	11-5-2012	Fri	2204	(JPL-HK)
4474	M89	v RXP7 RXP7 RXP7 de CZT2 CZT2 CZT2	CW	10-5-2012	Thu	1937	(FN)
4474	M89	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	10-5-2012	Thu	2109	(JPL-HK)
4474	M89	RXP7 de CZT2	CW	23-5-2012	Wed	2052	(VL)
4503	M12	2328 2328 2328 ...	CW	10-5-2012	Thu	1922	(FN)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	11-5-2012	Fri	2012	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	14-5-2012	Mon	1613	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	14-5-2012	Mon	1349	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	14-5-2012	Mon	1451	(JPL-HK)
4512	M89	VVV H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	6-5-2012	Sun	1352	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	3-5-2012	Thu	1905	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	3-5-2012	Thu	1252	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	10-5-2012	Thu	1411	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	10-5-2012	Thu	1644	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	17-5-2012	Thu	1530	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	17-5-2012	Thu	1151	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	17-5-2012	Thu	1946	(JPL-HK)
4512	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	8-5-2012	Tue	1732	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	11-5-2012	Fri	2014	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	11-5-2012	Fri	1130	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	18-5-2012	Fri	1327	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	18-5-2012	Fri	1711	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	18-5-2012	Fri	2131	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	18-5-2012	Fri	1903	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	25-5-2012	Fri	1320	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	25-5-2012	Fri	2146	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	25-5-2012	Fri	1544	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	14-5-2012	Mon	1615	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	14-5-2012	Mon	1351	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	14-5-2012	Mon	1236	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	14-5-2012	Mon	1902	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	14-5-2012	Mon	1452	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	5-5-2012	Sat	2106	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	5-5-2012	Sat	1927	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	5-5-2012	Sat	1537	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	5-5-2012	Sat	1742	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	6-5-2012	Sun	1354	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	13-5-2012	Sun	1831	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	13-5-2012	Sun	1215	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	13-5-2012	Sun	1633	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	20-5-2012	Sun	2207	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	20-5-2012	Sun	1211	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	20-5-2012	Sun	1548	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	20-5-2012	Sun	1825	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	3-5-2012	Thu	2241	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	3-5-2012	Thu	1906	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	3-5-2012	Thu	1254	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	10-5-2012	Thu	2114	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	10-5-2012	Thu	1413	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	17-5-2012	Thu	1149	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	17-5-2012	Thu	1948	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	17-5-2012	Thu	1532	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	1-5-2012	Tue	1227	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	1-5-2012	Tue	1319	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	1-5-2012	Tue	1610	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	1-5-2012	Tue	1610	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	8-5-2012	Tue	2026	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	8-5-2012	Tue	1828	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	8-5-2012	Tue	1734	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	15-5-2012	Tue	2053	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	9-5-2012	Wed	2225	(JPL-HK)
4590	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	16-5-2012	Wed	1543	(JPL-HK)
4590	M89	WITN de GNXG	CW	23-5-2012	Wed	2120	(VL)
4595	M22	VVV de 4XZ	CW	23-5-2012	Wed	2122	(VL)
4625	S28	Buzzer	USB	11-5-2012	Fri	1917	(ML4)
4625	S28	Buzzer marker	USB	26-5-2012	Sat	2110	(AB)
4625	S28	MDZhB 50 092 Mansanapes 80 15 73 82	USB	24-5-2012	Thu	1335	(AB-EST)
4625	S28	MDZhB 32 926 Vant 51 77 29 75	USB	24-5-2012	Thu	0658	(AB-EST)
4625	S28	MDZhB 50 092 Mansanapes 80 15 73 82	USB	24-5-2012	Thu	1335	(Avare)
4625	S28	MDZhB 32 926 Vant 51 77 29 75	USB	24-5-2012	Thu	0658	(Avare)
4625	S28	MDZhB 02 955 PARAL'DEGI 93 20 79 15	USB	1-5-2012	Tue	0814	(AB-EST)
4625	S28	MDZhB 50 471 KARAKSha 10 72 63 81	USB	2-5-2012	Wed	1329	(AB-EST)
4680	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	5-5-2012	Sat	1920	(JPL-HK)
4680	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	5-5-2012	Sat	2120	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	11-5-2012	Fri	2020	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	18-5-2012	Fri	1719	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	18-5-2012	Fri	1919	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	18-5-2012	Fri	1320	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	14-5-2012	Mon	1620	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	20-5-2012	Sun	2220	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	20-5-2012	Sun	1820	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	20-5-2012	Sun	1619	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	3-5-2012	Thu	1920	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	10-5-2012	Thu	1819	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	17-5-2012	Thu	2020	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	24-5-2012	Thu	2120	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	24-5-2012	Thu	1920	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	1-5-2012	Tue	1620	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	1-5-2012	Tue	1320	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	1-5-2012	Tue	1920	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (In progress) //6840	CW	8-5-2012	Tue	1722	(JPL-HK)
4860	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (In progress) //6840	CW	9-5-2012	Wed	2222	(JPL-HK)
4895	M01b	467-785 30=34122 //5340	CW	4-5-2012	Fri	2010	(HFD)
4896.0	G06	154 00000	USB	7-5-2012	Mon	1800	(CG)
4905	M01	025-340 30=53878	CW	1-5-2012	Tue	2000	(HFD)
4905	M01	025 525 30 = 37562	CW	8-5-2012	Tue	1959	(FN)
4973	S21	973 724 33	AM	3-5-2012	Thu	1742	(tING)
4973	S21	973-723 33=74584 //5373	AM	1-5-2012	Tue	1742	(HFD)
5074	M45	074-724 33=74584 //5474	CW	1-5-2012	Tue	1702	(HFD)
5075	M01b	336-785 30=34122 //5465	CW	4-5-2012	Fri	1902	(HFD)
5076	M01b	336 785 30 = 34122	CW	11-5-2012	Fri	1902	(FN)
5076	M01b	336 785 30 = 34122	CW	18-5-2012	Fri	1902	(FN)
5095	M01b	Voice 815...785 30 34122 at 1837 UTC: 785 30=34122	CW	3-5-2012	Thu	1832	(HFD)
5095	M01b	"815" in male Russian voice. At 1835 UTC "785/30 34122...". At 1837 the operator noticed the error and stated again in CW: "785 30 = 34122..."	AM/CW	3-5-2012	Thu	1832	(HFD)
5096	M01b	815 785 30 = 34122	CW	10-5-2012	Thu	1832	(FN)
5125	M01b	364 785 30 = 34122	CW	7-5-2012	Mon	1810	(FN)
5125	M01b	364-785 30=34122 //5735	CW	14-5-2012	Mon	1810	(HFD)
5126	M01b	364 785 30 = 34122	CW	14-5-2012	Mon	1810	(FN)
5144	M32	Tentative CIS Mil. QN5J QN5J QN5J ZYK AR (repeating).	CW	25-5-2012	Fri	1817	(MPJ)
5150	M01b	858 785 30 = 34122	CW	7-5-2012	Mon	1915	(FN)
5150	M01b	858-785 30=34122 //5475	CW	14-5-2012	Mon	1915	(HFD)
5153.7	MX	D: UKR Sevastopol	CW	23-5-2012	Wed	2110	(VL)
5153.9	MX	S: RUS Severomorsk	CW	23-5-2012	Wed	2115	(VL)
5154	MX	C: RUS Moscow	CW	23-5-2012	Wed	2115	(VL)
5221.5	M21	Russian Air Defence =990051??0????? //3246 kHz	CW	13-5-2012	Sun	2048	(MPJ)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	11-5-2012	Fri	2206	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	14-5-2012	Mon	1611	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	13-5-2012	Sun	1830	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	20-5-2012	Sun	1546	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	20-5-2012	Sun	1818	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	10-5-2012	Thu	2116	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	1-5-2012	Tue	1606	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	1-5-2012	Tue	1914	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	8-5-2012	Tue	1728	(JPL-HK)
5230	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	16-5-2012	Wed	2049	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	6-5-2012	Sun	1051	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	13-5-2012	Sun	1040	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	10-5-2012	Thu	1827	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	10-5-2012	Thu	1642	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	10-5-2012	Thu	1409	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	10-5-2012	Thu	1214	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	10-5-2012	Thu	1025	(JPL-HK)
5278	M89	in traffic "VV Q63 RMN 8504 TO 50.4 UGT COMMSS BT BT 21831/5.84/2000/237 NR/850. AR"	CW	17-5-2012	Thu	1112	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	24-5-2012	Thu	1048	(JPL-HK)
5278	M89	In chat DE TY.. OT W DE WM7 *TYPT*	CW	15-5-2012	Tue	1201	(JPL-HK)
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	15-5-2012	Tue	1037	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
5278	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	22-5-2012	Tue	1012	(JPL-HK)
5280	M01	025 007 30 = 89707	CW	8-5-2012	Tue	1800	(FN)
5280	M01	025-007 30=89707	CW	8-5-2012	Tue	1800	(HFD)
5292	S5292	XXX XXX TUZR TUZR 11035 DRAENA 8696 7313 KLAUS-TALIT 1287 3165 k	CW	24-5-2012	Thu	0710	(Avare)
5292	S5292	XXX XXX TUZR TUZR 57646 APOCEFALUS 8517 3699 k	CW	24-5-2012	Thu	0702	(Avare)
5292	S5292	XXX XXX REA4 REA4 TEHNIESKAYA PROWERKA 54 k	CW	24-5-2012	Thu	0700	(Avare)
5292	S5292	Faza-37 67867 Vant 5177 2975 Priyom	USB	24-5-2012	Thu	0727	(Avare)
5340	M01b	467-785 30=34122 //4895	CW	4-5-2012	Fri	2010	(HFD)
5373	S21	973-723 33=74584 //4973	USB	1-5-2012	Tue	1742	(HFD)
5419	M51	msg nr 64	CW	22-3-2012		1853	(SW2)
5426	S5426	Finara-55 ya Arbat-50 98673 DEREVEN'KA 1634 9685 YA Arbat-50 Priyom	USB	11-5-2012	Fri	1700	(Avare)
5430	S06s	374 958 5 45328 98065 33770 57853 34345 89123 958 5 00000	USB	8-5-2012	Tue	0700	(AB-D)
5465	M01b	336-785 30=34122 //5075	CW	4-5-2012	Fri	1902	(HFD)
5466	M01b	336 785 30 = 34122	CW	11-5-2012	Fri	1902	(FN)
5466.2	M01b	5FGs each group repeated ... 15997 15997 ... 71621 71621 38916 38916 = = 894 894 70 70 000	CW	25-5-2012	Fri	1925	(MPJ)
5467	M01b	336 785 30 = 34122	CW	18-5-2012	Fri	1902	(FN)
5474	M01b	858 785 30 = 34122	CW	7-5-2012	Mon	1915	(FN)
5474	M45	074-724 33=74584 //5074	CW	1-5-2012	Tue	1702	(HFD)
5475	M01b	858-785 30=34122 //5150	CW	14-5-2012	Mon	1915	(HFD)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	4-5-2012	Fri	1001	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	11-5-2012	Fri	1117	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	11-5-2012	Fri	2008	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	18-5-2012	Fri	1707	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	18-5-2012	Fri	1050	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	18-5-2012	Fri	1325	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	18-5-2012	Fri	2127	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	18-5-2012	Fri	1901	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	25-5-2012	Fri	1319	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	25-5-2012	Fri	1537	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	25-5-2012	Fri	2140	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	14-5-2012	Mon	1859	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	14-5-2012	Mon	1344	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	14-5-2012	Mon	1231	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	14-5-2012	Mon	1609	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	14-5-2012	Mon	1447	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	5-5-2012	Sat	1918	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	5-5-2012	Sat	1738	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	5-5-2012	Sat	1533	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	5-5-2012	Sat	2101	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	19-5-2012	Sat	1007	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	19-5-2012	Sat	1158	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	19-5-2012	Sat	2314	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	6-5-2012	Sun	1030	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	6-5-2012	Sun	1347	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	13-5-2012	Sun	2316	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	13-5-2012	Sun	1210	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	13-5-2012	Sun	1038	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	13-5-2012	Sun	1631	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	13-5-2012	Sun	1826	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	20-5-2012	Sun	1542	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	20-5-2012	Sun	1209	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	20-5-2012	Sun	2204	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	20-5-2012	Sun	1814	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	3-5-2012	Thu	1206	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	3-5-2012	Thu	2234	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	3-5-2012	Thu	1903	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	1825	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	1640	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	2118	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	1211	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	1017	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	10-5-2012	Thu	1407	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	17-5-2012	Thu	1111	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	17-5-2012	Thu	1942	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	17-5-2012	Thu	1006	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	17-5-2012	Thu	1524	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	24-5-2012	Thu	1903	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	24-5-2012	Thu	1251	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	24-5-2012	Thu	1045	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	24-5-2012	Thu	1126	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	1-5-2012	Tue	1217	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	1-5-2012	Tue	1313	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	1-5-2012	Tue	2207	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	1-5-2012	Tue	1912	(JPL-HK)
5500	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	1-5-2012	Tue	1602	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	8-5-2012	Tue	1825	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	8-5-2012	Tue	1726	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	15-5-2012	Tue	2310	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	15-5-2012	Tue	2041	(JPL-HK)
5500	M89	In traffic "1924/1000/G56/8731 AR" V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	15-5-2012	Tue	1020	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	22-5-2012	Tue	1010	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	22-5-2012	Tue	1446	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	22-5-2012	Tue	1931	(JPL-HK)
5500	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	9-5-2012	Wed	2221	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	16-5-2012	Wed	2038	(JPL-HK)
5500	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	16-5-2012	Wed	1539	(JPL-HK)
5596	M32	Russian Mil. Net control "WXQ8"	CW	13-5-2012	Sun	2008	(BCI)
5731	E06	315 125 15 67356 53625 38908 64735 125 15 0000	AM	4-5-2012	Fri	2130	(Spec)
5735	M01b	364 785 30 = 34122	CW	7-5-2012	Mon	1810	(FN)
5735	M01b	364-785 30=34122 //5125	CW	14-5-2012	Mon	1810	(HFD)
5736	M01b	364 785 30 = 34122	CW	14-5-2012	Mon	1810	(FN)
5740	M51	FAV22	CW	18-5-2012	Fri	0446	(BCI)
5740	M51	BT NR 65 M 17 18:25:01 1984 BT JRTWA KHZRZ GREWH	CW	17-5-2012	Thu	1625	(SP1)
5773	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	9-5-2012	Wed	2040	(Spec)
5788	M12	463 1 7321 71 48009	CW	9-5-2012	Wed	1740	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
5788	M12	463 1 5025 93 69134	CW	16-5-2012	Wed	1740	(FN)
5788	M12	463 1 6096 73 63330	CW	23-5-2012	Wed	1740	(FN)
5788.0	M12	463 1 5551 68 87389 65253 36906 ... 18548 000 000	CW	2-5-2012	Wed	1740	(CG)
5788.0	M12	463 1 7321 71 48009 81166 54805 ... 59670 000 000	CW	9-5-2012	Wed	1740	(CG)
5801	M89	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW	24-5-2012	Thu	1310	(JPL-HK)
5805	M01b	936	CW	3-5-2012	Thu	1942	(HFD)
5806	M01b	36 785 30 = 34122	CW	10-5-2012	Thu	1942	(FN)
5811	M01b	158 065 32 = 50532	CW	18-5-2012	Fri	1515	(FN)
5815	G11	299/00	USB	19-5-2012	Sat	1325	(HFD)
5938	M01b	159-065 32=50532	CW	17-5-2012	Thu	1505	(HFD)
5943	G06	218-435 15=25634	AM	11-5-2012	Fri	1930	(HFD)
5948	E06	724	AM	17-5-2012	Thu	2030	(HFD)
6140	E25	Transmitter on. Then at 1135 UTC possibly in Arabic spoken introduction for a song, followed by a part of the song. Possibly Radio Cairo.	AM	7-5-2012	Mon	1115	(AIK)
6140	E25	Spider solitair sound. Closes 3 mins later	AM	7-5-2012	Mon	1108	(AIK)
6140	E25	YL. 185 185 185 185 185 185 185 185 185 185 185 185 185 185 message message message 7593 7610 1311 2283 3639 5404 2624 rebeat rebeat rebeat 7593 7610 1311 2283 3639 5404 2624 EOM EOT	AM	7-5-2012	Mon	0812	(AIK)
6140	E25	YL. 701 701 701 701 701 701 701 701 701 701 701 701 701 701 message message message 7811 7230 6270 5749 3158 8395 7230 rebeat rebeat rebeat 7811 7230 6270 5749 3158 8395 7230 EOM EOT	AM	7-5-2012	Mon	0827	(AIK)
6140	E25	Carrier, 2-tone bleep, spider solitaire sounds	AM	7-5-2012	Mon	0955	(AIK)
6140	E25	YL. 570 570 570 570 570 570 570 570 570 570 570 570 570 570 message message message 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 rebeat rebeat rebeat 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 EOM	AM	7-5-2012	Mon	0957	(AIK)
6140	E25	YL. 672 672 672 672 672 672 672 672 672 672 672 672 672 672 message message message 7522 (SOME BACKGROUND NOISE IN "STUDIO" HERE BETWEEN THE "2s") 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 rebeat rebeat rebeat 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 EOM EOT	AM	5-5-2012	Sat	1028	(AIK)
6140	E25	YL. 128 128 128 128 128 128 128 128 128 128 128 128 128 128 message message message 1066 0390 1601 8695 6122 3499 0830 2003 1601 rebeat rebeat rebeat 1066 0390 1601 8695 6122 3499 0830 2003 1601 EOM EOT	AM	5-5-2012	Sat	1044	(AIK)
6140	E25	YL. 333 333 333 333 333 333 333 333 333 333 333 333 333 333 message message message 5121 5660 7149 6721 1644 5052 7470 5890 9641 8680 1033 2660 rebeat rebeat rebeat 5121 5660 7149 6721 1644 5052 7470 5890 9641 8680 1033 2660 EOM EOT	AM	5-5-2012	Sat	0928	(AIK)
6140	E25	YL. 360 360 360 360 360 360 360 360 360 360 360 360 360 360 message message message 3611 9510 0436 0706 6747 6422 3710 1508 8025 9510 7500 rebeat rebeat rebeat 3611 9510 0436 0706 6747 6422 3710 1508 8025 9510 7500 EOM	AM	12-5-2012	Sat	0756	(AIK)
6140	E25	YL. 128 128 128 128 128 128 128 128 128 128 128 128 128 128 message message message 4966 0721 8520 6954 7487 0737 2468 6007 4820 8878 8710 8520 rebeat rebeat rebeat 4966 0721 8520 6954 7487 0737 2468 6007 4820 8878 8710 8520 EOM EOT	AM	26-5-2012	Sat	1041	(AIK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
6140	E25	YL. 672 672 672 672 672 672 672 672 672 672 672 672 672 672 672 672 message message message 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 rebeat rebeat rebeat 7522 5075 2165 8228 7474 1764 8851 7252 1331 9152 2029 5632 EOM EOT	AM	6-5-2012	Sun	1026	(AIK)
6140	E25	YL. 128 128 128 128 128 128 128 128 128 128 128 128 128 128 128 message message message 1066 0390 1601 8695 6122 3499 0830 2003 1601 rebeat rebeat rebeat 1066 0390 1601 8695 6122 3499 0830 2003 1601 EOM EOT	AM	6-5-2012	Sun	1042	(AIK)
6140	E25	YL. 315 315 315 315 315 315 315 315 315 315 315 315 315 315 315 message message message 2368 3610 8031 5371 1391 9552 4915 2721 7132 9537 1991 3610 2348 rebeat rebeat rebeat 2368 3610 8031 5371 1391 9552 4915 2721 7132 9537 1991 3610 2348 EOM EOT	AM	6-5-2012	Sun	1111	(AIK)
6140	E25	YL. 57 570 570 570 570 570 570 570 570 570 570 570 570 570 message message message 0703 2960 3499 5850 4695 9652 7626 2442 7870 3935 1383 2152 rebeat rebeat rebeat 0703 2960 3499 5850 4655 9652 7626 2442 7870 3935 1383 2152 EOM EOT	AM	6-5-2012	Sun	0957	(AIK)
6140	E25	Music "Ahwak". Repeat at 0812 UTC	AM	3-5-2012	Thu	0807	(AIK)
6140	E25	YL. 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 message message message 7211 2533 7120 9736 3255 2933 2232 8264 7287 0238 9171 rebeat rebeat rebeat 7211 2533 7120 9736 3255 2933 2232 8264 7287 0238 9171 EOM EOT	AM	3-5-2012	Thu	0759	(AIK)
6140	E25	YL. 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 message message message 4621 9410 9522 4837 8824 2507 7480 8916 5533 1614 9410 5705 rebeat rebeat rebeat 4621 9410 9522 4837 8824 2507 7480 8916 5533 1614 9410 5705 EOM	AM	16-5-2012	Wed	0759	(AIK)
6140	E25	YL. 804 804 804 804 804 804 804 804 804 804 804 804 804 804 804 message message message 4887 8120 7174 8543 0635 2507 8720 8120 5490 rebeat rebeat rebeat 4887 8120 7174 8543 0635 2507 8720 8120 5490 EOM	AM	16-5-2012	Wed	0702	(AIK)
6140	E25	Music "Ahwak"	AM	16-5-2012	Wed	0829	(AIK)
6140	E25a	YL. 333 135 69 333 135 69 333. After the msg "Ahwak" song begins	AM	21-5-2012	Mon	0901	(AIK)
6140	E25a	YL. 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 97 message message message	AM	12-5-2012	Sat	1026	(AIK)
6140	E25a	YL. 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 675 97 97 675 97 675 97 675 97 675 97 675 97 message mes- sage message rebeat rebeat rebeat EOM EOT	AM	12-5-2012	Sat	1042	(AIK)
6140	E25a	YL. 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 364 16 16 364 16 364 16 364 16 364 16 364 16 message mes- sage message EOM EOT	AM	19-5-2012	Sat	0756	(AIK)
6140	E25a	YL ...806 15 806 15 806 15 806 15 806 15 806 15 806 15 806 15 806 15 806 15 806 15 806 15 EOM EOT	AM	19-5-2012	Sat	0659	(AIK)
6280	E11	438/00	USB	14-5-2012	Mon	0820	(HFD)
6379	M22	VVV de 4XZ	CW	23-5-2012	Wed	2134	(VL)
6434	M01	025	CW	5-5-2012	Sat	1500	(HFD)
6524	M03	798/00 = 0 0 0	CW	5-5-2012	Sat	1535	(FN)
6524	M03	798/00 = 000	CW	8-5-2012	Tue	1535	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
6666	S06s	537 0	USB	1-5-2012	Tue	1500	(HFD)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	18-5-2012	Fri	1054	(JPL-HK)
6773	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd) //8040	CW	19-5-2012	Sat	1015	(JPL-HK)
6773	M89	VVV H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	6-5-2012	Sun	1036	(JPL-HK)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	13-5-2012	Sun	1043	(JPL-HK)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	20-5-2012	Sun	2209	(JPL-HK)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	3-5-2012	Thu	2237	(JPL-HK)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	10-5-2012	Thu	1028	(JPL-HK)
6773	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd) //8040	CW	24-5-2012	Thu	1052	(JPL-HK)
6773	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	22-5-2012	Tue	1014	(JPL-HK)
6780	M01	025 611 30 = 47360 88553 35778 07475 65340 04844 14543 13385 57591 20872 22691 69975 88809 08701 75092 93352 67127 71518 50490 29279 45356 39483 08943 13963 99571 62601 13265 12612 85945 19306 = 611 30 000	CW	6-5-2012	Sun	0700	(FN)
6780	M01	025 839 30 = 75107 74990	CW	13-5-2012	Sun	0700	(FN)
6780	S06s	374 958 5 45328 98065 33770 57853 34345 89123 958 5 00000	USB	8-5-2012	Tue	0715	(AB-D)
6802	M12	463 1 7321 71 48009	CW	9-5-2012	Wed	1720	(FN)
6802	M12	463 1 5025 93 69134	CW	16-5-2012	Wed	1720	(FN)
6802	M12	463 1 6096 73 63330	CW	23-5-2012	Wed	1740	(FN)
6802.0	M12	463 1 5551 68 87389 65253 36906 ... 18548 000 000	CW	2-5-2012	Wed	1720	(CG)
6802.0	M12	463 1 7321 71 48009 81166 54805 ... 59670 000 000	CW	9-5-2012	Wed	1720	(CG)
6837	M89	V 8UPT DE SAY7. V 8UPT (X3) DE SAY7 (x2) (Sends SAY7 then HAY7, so not sure which one is correct). Chat at 1208z. See N&O 176	CW	18-5-2012	Fri	1205	(JPL-HK)
6837	M89	SAY7 working AX6I. Long chat and messages. MSG NR 1552 CK 80 68 0526 0550 NMKS 1849 8240 ..849 829 K =	CW	25-5-2012	Fri	2152	(JPL-HK)
6837	M89	V 8UPT DE SAY7 followed by chats and a message	CW	25-5-2012	Fri	1559	(JPL-HK)
6837	M89	V 8UPT DE SAY7 K followed by chats and a message	CW	25-5-2012	Fri	1159	(JPL-HK)
6837	M89	In chat/tfc - see N&O 176	CW	14-5-2012	Mon	1636	(JPL-HK)
6837	M89	V 8UPT DE SAY7 into chat	CW	19-5-2012	Sat	1201	(JPL-HK)
6837	M89	In traffic "1936 K K 8068 0518 0550 = RMKS 312...K = = CW U36D N3AT D4T4 IMI D4T3 3DU6 3TNA ..."	CW	17-5-2012	Thu	2206	(JPL-HK)
6837	M89	V 8UPT(x3) DE SAY7 (x2) To chat "VV VVV 3NLA K"	CW	17-5-2012	Thu	2005	(JPL-HK)
6837	M89	8UPT DE SAY7 (Finally confirmed callsigns of stations on this freq!) In chat "VV 3NLA K. VV 3NLA K"	CW	17-5-2012	Thu	1600	(JPL-HK)
6837	M89	In Chat - Probably SAY7. "VV G3JZ K. VV BTEEE VV HOM QSY TO NR 03"	CW	24-5-2012	Thu	1300	(JPL-HK)
6837	M89	V 8UPT DE SAY7. "3UAD 47U6 AD3U NUTD 57D3 ...T D6UN 5T.. D5AU D5TA 7DUN 6D4. AS AR"	CW	24-5-2012	Thu	1903	(JPL-HK)
6837	M89	SAY7	CW	24-5-2012	Thu	1200	(JPL-HK)
6837	M89	V 8UPT DE SAY7. Chat "VV AX6I K. NR QSA 2 IEC BT 76MO AR K. ..NR ? K. VV X9SB K"	CW	24-5-2012	Thu	1203	(JPL-HK)
6837	M89	V 8UPT DE SAY7. Chat + message at 1202 UTC. See N&O 176 for the transcript	CW	22-5-2012	Tue	1201	(JPL-HK)
6837	M89	In traffic cut numbers - mostly unreadable - silent at 1645z	CW	16-5-2012	Wed	1638	(JPL-HK)
6837	M89	In Chat - probably SAY7: "HR NR G7013 K. VV AX6 I K. QSA 2 C BT BYJR AR K. HR NR G7013 K. NAS. VV X9SB K	CW	23-5-2012	Wed	1203	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	11-5-2012	Fri	1120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	11-5-2012	Fri	2020	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	18-5-2012	Fri	1119	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	18-5-2012	Fri	1919	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	18-5-2012	Fri	1320	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	18-5-2012	Fri	1719	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	25-5-2012	Fri	0920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	14-5-2012	Mon	1620	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	5-5-2012	Sat	0120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4680	CW	5-5-2012	Sat	1920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4680	CW	5-5-2012	Sat	2120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	12-5-2012	Sat	0920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	19-5-2012	Sat	2320	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	19-5-2012	Sat	1019	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	6-5-2012	Sun	1120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	13-5-2012	Sun	2320	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	13-5-2012	Sun	1220	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	20-5-2012	Sun	1820	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	20-5-2012	Sun	1219	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	20-5-2012	Sun	1619	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	20-5-2012	Sun	2220	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	3-5-2012	Thu	1920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	10-5-2012	Thu	1020	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	10-5-2012	Thu	1220	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	10-5-2012	Thu	1819	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5)	CW	10-5-2012	Thu	2119	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	17-5-2012	Thu	2020	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	17-5-2012	Thu	1020	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	24-5-2012	Thu	2320	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	24-5-2012	Thu	2120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	24-5-2012	Thu	1920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	1-5-2012	Tue	1320	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	1-5-2012	Tue	1920	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //4860	CW	1-5-2012	Tue	1620	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	1-5-2012	Tue	1220	(JPL-HK)
6840	M89	Q2M Q2M Q2M de NYZ NYZ NYZ QSA ? k	CW	8-5-2012	Tue	1925	(FN)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (In progress) //4860	CW	8-5-2012	Tue	1722	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	15-5-2012	Tue	2321	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	15-5-2012	Tue	1121	(JPL-HK)
6840	M89	Once again another station in chat/tfc on 6840 prior to NYZ sked) R AS AS //10640	CW	15-5-2012	Tue	1221	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	15-5-2012	Tue	1221	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	22-5-2012	Tue	1120	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (In progress) //4860	CW	9-5-2012	Wed	2222	(JPL-HK)
6840	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //10640	CW	16-5-2012	Wed	0819	(JPL-HK)
6856	M14	163-132 15=21543	CW	8-5-2012	Tue	1820	(HFD)
6857	M12	850 850 850 000	CW	14-5-2012	Mon	0430	(FN)
6857.0	M12	850 000	CW	7-5-2012	Mon	0430	(CG)
6887	G06	842-199 15=27845	AM	10-5-2012	Thu	1830	(HFD)
6899	M51	5LGs	CW	14-5-2012	Mon	0835	(ML4)
6899	M51	NR 84 M 10 21:55:45 1984 BT EBCFV GREJC ...	CW	13-5-2012	Sun	1951	(MPJ)
6904	M12	257 1 8914 66 57019	CW	7-5-2012	Mon	1840	(FN)
6904	M12	257 1 1674 55 05657	CW	7-5-2012	Mon	1940	(FN)
6904	M12	257 1 3083 72 71082	CW	7-5-2012	Mon	1740	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
6904	M12	257 1 9591 79 00805	CW	14-5-2012	Mon	1740	(FN)
6904	M12	257 1 5324 61 70659	CW	14-5-2012	Mon	1840	(FN)
6904	M12	257 1 7304 87 80006	CW	14-5-2012	Mon	1940	(FN)
6904	M12	257 1	CW	14-5-2012	Mon	1740	(HFD)
6904	M12	257 1 1737 50 83008	CW	21-5-2012	Mon	1840	(FN)
6904	M12	257 1 7971 76 69101	CW	21-5-2012	Mon	1740	(FN)
6904	M12	257 1 1729 80 61367	CW	21-5-2012	Mon	1940	(FN)
6904	M12	257 1	CW	3-5-2012	Thu	1940	(HFD)
6904	M12	257 1 5328 47 27954	CW	10-5-2012	Thu	1740	(FN)
6904	M12	257 1 9502 49 15103	CW	10-5-2012	Thu	1940	(FN)
6904	M12	257 1 5467 62 88044	CW	24-5-2012	Thu	1940	(FN)
6904	M12	257 1 5281 69 03701	CW	24-5-2012	Thu	1740	(FN)
6904.0	M12	257 1 1674 55 05657 26072 34079 ... 51252 000 000	CW	7-5-2012	Mon	1940	(CG)
6904.0	M12	257 1 8914 66 57019 78962 55473 ... 37079 000 000	CW	7-5-2012	Mon	1840	(CG)
6904.0	M12	257 1 3083 72 71082 32306 93236 ... 11824 000 000	CW	7-5-2012	Mon	1740	(CG)
6904.0	M12	257 1 4305 92 34490 74??9 32424 ... 32060 000 000	CW	3-5-2012	Thu	1740	(CG)
6904.0	M12	257 1 2583 44 93979 80886 01795 ... 32049 000 000	CW	3-5-2012	Thu	1940	(CG)
6904.0	M12	257 1 5328 47 27944 06763 49376 ... 97129 000 000	CW	10-5-2012	Thu	1740	(CG)
6916	S06	416 0	AM	19-5-2012	Sat	2000	(HFD)
6930	S6930	Katok-65 35587 MOLOChNIK 41 52 33 42 priyom	USB	27-3-2012		0612	(ScSw)
6930	S6930	Oval-42 52926 ANSAMBL 45 27 02 28 priyom	USB	27-3-2012		0758	(ScSw)
6930	S6930	Krug-45 94113 IKRA 88 73 82 68 priyom	USB	27-3-2012		1554	(ScSw)
6948	G06	215	AM	14-5-2012	Mon	0800	(HFD)
6949	E06	759 826 31 95659 34503 35752 21589 826 31 00000	AM	5-5-2012	Sat	0130	(Spec)
6949	E06	759 241 36 83293 01070 62744 99105 241 36 00000	AM	12-5-2012	Sat	0130	(Spec)
6949	E06	759 128 30 07885 93960 43420 67878 128 30 00000	AM	19-5-2012	Sat	0130	(Spec)
6949	E06	759 826 31 95659 34503 35752 21589 826 31 00000	AM	6-5-2012	Sun	0130	(Spec)
6949	E06	759 241 36 83293 01070 62744 99105 241 36 00000	AM	13-5-2012	Sun	0130	(Spec)
6949	E06	759 128 30 07885 93960 43420 67878 128 30 00000	AM	20-5-2012	Sun	0130	(Spec)
6950	---	Voice loop. Same as 6990 kHz	USB	18-5-2012	Fri	0550	(AB-CO)
6950	---	Odd message. Comes from 6990 kHz. See N&O #176	USB	18-5-2012	Fri	0550	(AB-CO)
6950	---	Voice loop	USB	18-5-2012	Fri	1140	(CS)
6950	---	Still going.	USB	18-5-2012	Fri	2315	(CS)
6950	---	Voice loop	USB	18-5-2012	Fri	1154	(LvH)
6950	---	Voice loop	USB	18-5-2012	Fri	0730	(SL)
6950	---	The station has moved to 6950 kHz USB, with the same repeated phrases.	USB	17-5-2012	Thu	2315	(CS)
6984	S06	349 0	AM	7-5-2012	Mon	1905	(HFD)
6984.0	S06	349 00000	USB	7-5-2012	Mon	1905	(CG)
6990	---	Voice loop	USB	17-5-2012	Thu	0615	(AB-MD)
6990	---	Odd message. Switched later to 6950 kHz. See N&O #176	USB	17-5-2012	Thu	0615	(AB-MD)
6990	---	Unid. Repeating message	USB	17-5-2012	Thu	0324	(BCA)
6990	---	"She had your dark suit in greasy wash water all year."	USB	17-5-2012	Thu	1545	(NR)
6990	---	Unid. Repeating message	USB	17-5-2012	Thu	0209	(oar9fi)
7038.9	MX	S: RUS Severomorsk	CW	23-5-2012	Wed	2107	(VL)
7039	MX	C: RUS Moscow	CW	23-5-2012	Wed	2110	(VL)
7041	M32	Russian Mil. CLBLN 6TT RPT ALL K	CW	2-4-2012		1715	(IARUMS)
7041	M32	Russian Mil. AVAY 933 2T 3 2T 5T 933 K	CW	3-4-2012		1659	(IARUMS)
7041	M32	Russian Mil. AVAY=ZYT 85K RPT K	CW	3-4-2012		1700	(IARUMS)
7041	M32	Russian Mil. AVAY to 9MMF: 659 22 9 1852 659 = 778 =	CW	9-4-2012		1600	(IARUMS)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
		5BL					
7041	M32	Russian Mil. AVAT to GMC3: QTC ZUV K	CW	10-4-2012		1435	(IARUMS)
7041	M32	Russian Mil. AVAY to 7MT1: 007 .. 10 1854 007 = 723 = 5BL	CW	10-4-2012		1419	(IARUMS)
7041	M32	Russian Mil. LGED de QHAD K	CW	13-4-2012		1830	(IARUMS)
7041	M32	Russian Mil. 3CCS to BYLA: QRJ NO QYT6 K	CW	18-4-2012		1436	(IARUMS)
7041	M32	Russian Mil. 3CCS to BYLA: ZWK ZOA ZWG QYT9 K	CW	18-4-2012		1452	(IARUMS)
7041	M32	Russian Mil. 3CCS to BYLA: ZOV ZOX ZJS QYT6 K	CW	18-4-2012		1455	(IARUMS)
7041	M32	Russian Mil. 3CCS to BYLA: ZZH ZOP ZJK QYT6 K	CW	18-4-2012		1458	(IARUMS)
7041	M32	Russian Mil. 3CCS to BYLA: ZSL ZOU ZOR QYT6 K	CW	18-4-2012		1442	(IARUMS)
7041	M32	Russian Mil. QHAD to IFFP: 100 19 2050 100 = 789 = 5BL	CW	19-4-2012		1819	(IARUMS)
7041	M32	Russian Mil. OMPF to 2QZK, 8I2B, 9BSA, 1MVZ, LSZA: proc	CW	23-4-2012		1430	(IARUMS)
7041	M32	Russian Mil. OMPF to 8I2B: OMPF 725 16 23 1850 725 =	CW	23-4-2012		1558	(IARUMS)
7041	M32	Russian Mil. PPND to 1MVZ: ZSU ZDQ ZLU QYT9 K	CW	24-4-2012		1458	(IARUMS)
7041	M32	Russian Mil. OMPF to 2QZK, 8I2B, 9BSA, 1MVZ, LSZA: proc	CW	24-4-2012		1430	(IARUMS)
7041	M32	Russian Mil. OMPF to 1MVZ: QTA 033 K	CW	24-4-2012		1438	(IARUMS)
7041	M32	Russian Mil. OMPF to 2QZK, 8I2B, 9BSA, 1MVZ, LSZA: proc	CW	27-4-2012		1430	(IARUMS)
7041	M32	Russian Mil. XWR8 to ZBF ZUJ ZYB K	CW	28-4-2012		1442	(IARUMS)
7041	M32	Russian Mil. OMPF to 2QZK, 8I2B, 1MVZ: calls	CW	28-4-2012		1430	(IARUMS)
7080	M32	Russian Mil. 5T281 64448 87787 later F1B	CW	25-4-2012		1705	(IARUMS)
7122	M32	Russian Mil. VVV VVV VVV string	CW	30-4-2012		1805	(IARUMS)
7345.0	V26	// 9054, 4243, QRM from AM BC station on same freq	USB	21-5-2012	Mon	1220	(Token)
7438	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	10-5-2012	Thu	0430	(Spec)
7473	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	9-5-2012	Wed	2020	(Spec)
7536	---	OM reading chapter 8 of The Adventures of Huckleberry Finn	USB	24-5-2012	Thu	1507	(JLM)
7541	M12	258 0	CW	2-5-2012	Wed	2120	(HFD)
7541	M12	258 258 258 000	CW	9-5-2012	Wed	2120	(FN)
7541	M12	258 000	CW	23-5-2012	Wed	2120	(FN)
7541.0	M12	258 000	CW	2-5-2012	Wed	2120	(CG)
7541.0	M12	258 000	CW	9-5-2012	Wed	2120	(CG)
7557	M12	850 850 850 000	CW	14-5-2012	Mon	0450	(FN)
7557.0	M12	850 000	CW	7-5-2012	Mon	0450	(CG)
7566	M32a	Russian Navy Sevastopol "RMGB de RCV"	CW	6-5-2012	Sun	2344	(VL)
7582	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	4-5-2012	Fri	0155	(JPL-HK)
7582	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	25-5-2012	Fri	0916	(JPL-HK)
7582	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	5-5-2012	Sat	0126	(JPL-HK)
7582	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	12-5-2012	Sat	0846	(JPL-HK)
7582	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	24-5-2012	Thu	2327	(JPL-HK)
7582	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	15-5-2012	Tue	0240	(JPL-HK)
7582	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	22-5-2012	Tue	0051	(JPL-HK)
7582	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	16-5-2012	Wed	0825	(JPL-HK)
7602	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	18-5-2012	Fri	1905	(JPL-HK)
7602	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	18-5-2012	Fri	1718	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	11-5-2012	Fri	1130	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	11-5-2012	Fri	2014	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	11-5-2012	Fri	2208	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	18-5-2012	Fri	2131	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	18-5-2012	Fri	1903	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	18-5-2012	Fri	1711	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	18-5-2012	Fri	1327	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	18-5-2012	Fri	1051	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	25-5-2012	Fri	1320	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	25-5-2012	Fri	2146	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	25-5-2012	Fri	1544	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	14-5-2012	Mon	1236	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	14-5-2012	Mon	1351	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	14-5-2012	Mon	1452	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	14-5-2012	Mon	1902	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	14-5-2012	Mon	1615	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	5-5-2012	Sat	2106	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	5-5-2012	Sat	1537	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	5-5-2012	Sat	1742	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	5-5-2012	Sat	1927	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	6-5-2012	Sun	1354	(JPL-HK)
7607	M89	WITN de GNXG	CW	6-5-2012	Sun	2105	(VL)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	13-5-2012	Sun	1633	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	13-5-2012	Sun	1831	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	13-5-2012	Sun	1215	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	20-5-2012	Sun	1211	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	20-5-2012	Sun	2207	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	20-5-2012	Sun	1825	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	20-5-2012	Sun	1548	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	3-5-2012	Thu	1906	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	3-5-2012	Thu	1254	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	3-5-2012	Thu	2241	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	10-5-2012	Thu	1646	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	10-5-2012	Thu	1828	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	10-5-2012	Thu	1413	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	10-5-2012	Thu	1217	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	10-5-2012	Thu	2114	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	17-5-2012	Thu	1548	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	17-5-2012	Thu	1532	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	17-5-2012	Thu	1149	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	1-5-2012	Tue	1918	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	1-5-2012	Tue	1918	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	1-5-2012	Tue	1319	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	1-5-2012	Tue	1227	(JPL-HK)
7607	M89	V WITN WITN WITN de GNXG GNXG	CW	8-5-2012	Tue	1907	(FN)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	8-5-2012	Tue	2026	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	8-5-2012	Tue	1828	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	8-5-2012	Tue	1734	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	15-5-2012	Tue	2053	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	9-5-2012	Wed	2225	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	16-5-2012	Wed	2044	(JPL-HK)
7607	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	16-5-2012	Wed	1543	(JPL-HK)
7664	M32a	Russian Navy "RGR35 de RIW"	CW	6-5-2012	Sun	2352	(VL)
7689	M32	Russian Mil: "RGT77 850="	CW	6-5-2012	Sun	2148	(VL)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
7727	M03?	i.p., ends at 1337z: 07970 74337 09361 == 000	CW	16-5-2012	Wed	1332	(FN)
7744	S06s	537 0	USB	1-5-2012	Tue	1510	(HFD)
7837	M03	437/00 = 0 0 0	CW	6-5-2012	Sun	1320	(FN)
7837	M03	437/00	CW	6-5-2012	Sun	1320	(HFD)
7837	M03	650/00 = 000	CW	10-5-2012	Thu	1115	(FN)
7837	M03	433/36 = 43298 ... 28110 = 000	CW	10-5-2012	Thu	1320	(FN)
7837	M03	650/00	CW	17-5-2012	Thu	1115	(HFD)
7837	M03	272/00 = 000	CW	8-5-2012	Tue	1115	(FN)
7837	M03	650/00 = 000	CW	9-5-2012	Wed	1115	(FN)
7845	S06s	196-432 5=39580	USB	4-5-2012	Fri	0600	(HFD)
7847	S06	416 0	AM	19-5-2012	Sat	1900	(HFD)
7884	S06	843 0	AM	19-5-2012	Sat	1930	(HFD)
7931	M12	257 1 3083 72 71082	CW	7-5-2012	Mon	1720	(FN)
7931	M12	257 1 8914 66 57019	CW	7-5-2012	Mon	1820	(FN)
7931	M12	257 1 1674 55 05657	CW	7-5-2012	Mon	1920	(FN)
7931	M12	257 1 9591 79 00805	CW	14-5-2012	Mon	1720	(FN)
7931	M12	257 1 7304 87 80006	CW	14-5-2012	Mon	1920	(FN)
7931	M12	257 1 5324 61 70659	CW	14-5-2012	Mon	1820	(FN)
7931	M12	257 1	CW	14-5-2012	Mon	1720	(HFD)
7931	M12	257 1 1737 50 83008	CW	21-5-2012	Mon	1820	(FN)
7931	M12	257 1 1729 80 61367	CW	21-5-2012	Mon	1920	(FN)
7931	M12	257 1 7971 76 69101	CW	21-5-2012	Mon	1720	(FN)
7931	M12	257 1	CW	3-5-2012	Thu	1920	(HFD)
7931	M12	257 1 9502 49 15103	CW	10-5-2012	Thu	1920	(FN)
7931	M12	257 1 5328 47 27954	CW	10-5-2012	Thu	1720	(FN)
7931	M12	257 1 5467 62 88044	CW	24-5-2012	Thu	1920	(FN)
7931	M12	257 1 5281 69 03701	CW	24-5-2012	Thu	1720	(FN)
7931.0	M12	257 1 3083 72 71082 32306 93236 ... 11824 000 000	CW	7-5-2012	Mon	1720	(CG)
7931.0	M12	257 1 1674 55 05657 26072 34079 ... 51252 000 000	CW	7-5-2012	Mon	1920	(CG)
7931.0	M12	257 1 8914 66 57019 78962 55473 ... 37079 000 000	CW	7-5-2012	Mon	1820	(CG)
7931.0	M12	257 1 2583 44 93979 80886 01795 ... 32049 000 000	CW	3-5-2012	Thu	1920	(CG)
7931.0	M12	257 1 4305 92 34490 74??9 32424 ... 32060 000 000	CW	3-5-2012	Thu	1720	(CG)
7959	M32c	REA4: Russian Air Force Strategic Bcast REA4 = 13190 20173 89_42 ... 13074 88020 = REA4 K.	CW	13-5-2012	Sun	1940	(MPJ)
7966	M51	FAV22/M51 French MIL Intel/CW training in SLGs	CW	6-5-2012	Sun	2351	(oar9fi)
7982	S06	349 0	AM	14-5-2012	Mon	1900	(HFD)
7984	M12	911 911 911 000	CW	10-5-2012	Thu	0630	(FN)
7984	M12	911 000	CW	24-5-2012	Thu	0630	(FN)
8040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	11-5-2012	Fri	1127	(JPL-HK)
8040	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd) //6773	CW	19-5-2012	Sat	1015	(JPL-HK)
8040	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd)	CW	19-5-2012	Sat	2318	(JPL-HK)
8040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	13-5-2012	Sun	1043	(JPL-HK)
8040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	20-5-2012	Sun	2209	(JPL-HK)
8040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	3-5-2012	Thu	2237	(JPL-HK)
8040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	10-5-2012	Thu	1028	(JPL-HK)
8040	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd) //6773	CW	24-5-2012	Thu	1052	(JPL-HK)
8047	M12	463 1 7321 71 48009	CW	9-5-2012	Wed	1700	(FN)
8047	M12	463 1 5025 93 69134	CW	16-5-2012	Wed	1700	(FN)
8047	M12	463 1 6096 73 63330	CW	23-5-2012	Wed	1700	(FN)
8047.0	M12	463 1 5551 68 87389 65253 36906 ... 18548 000 000	CW	2-5-2012	Wed	1700	(CG)
8047.0	M12	463 1 7321 71 48009 81166 54805 ... 59670 000 000	CW	9-5-2012	Wed	1700	(CG)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
8088	E11	416/00	USB	17-5-2012	Thu	1730	(HFD)
8099	E06	315 125 15 67356 53625 38908 64735 125 15 0000	AM	5-5-2012	Sat	0030	(Spec)
8099	E06	759 241 36 83293 01070 62744 17122 99105 241 36 00000	AM	12-5-2012	Sat	0030	(Dan)
8099	E06	759 826 31 95659 34503 35752 21589 826 31 00000	AM	12-5-2012	Sat	0030	(Spec)
8099	E06	759 241 36 83293 01070 62744 99105 241 36 00000	AM	19-5-2012	Sat	0030	(Spec)
8099	E06	759 826 31 95659 34503 35752 21589 826 31 00000	AM	6-5-2012	Sun	0030	(Spec)
8099	E06	759 241 36 83293 01070 62744 99105 241 36 00000	AM	13-5-2012	Sun	0030	(Spec)
8099	E06	759 241 36 83293 01070 62744 99105 241 36 00000	AM	20-5-2012	Sun	0030	(Spec)
8102	M32	Russian Mil: "DE FUK5"	CW	9-5-2012	Wed	1913	(VL)
8110	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	4-5-2012	Fri	0155	(JPL-HK)
8110	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	25-5-2012	Fri	0916	(JPL-HK)
8110	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	5-5-2012	Sat	0126	(JPL-HK)
8110	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	12-5-2012	Sat	0846	(JPL-HK)
8110	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	24-5-2012	Thu	2327	(JPL-HK)
8110	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	15-5-2012	Tue	0240	(JPL-HK)
8110	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	22-5-2012	Tue	0051	(JPL-HK)
8110	M89	VVV 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	16-5-2012	Wed	0825	(JPL-HK)
8116	M12	124 1 4529 85 98673	CW	11-5-2012	Fri	1840	(FN)
8116	M12	124 1 4655 81 74632	CW	18-5-2012	Fri	1840	(FN)
8116	M12	124 1 8242 78 41523	CW	10-5-2012	Thu	1840	(FN)
8116	M12	124 1 4766 80 98025	CW	10-5-2012	Thu	1740	(FN)
8116	M12	124 1	CW	17-5-2012	Thu	1740	(HFD)
8116	M12	124 1 9108 83 50212	CW	24-5-2012	Thu	1840	(FN)
8116	M12	124 1 3812 71 85564	CW	24-5-2012	Thu	1740	(FN)
8116	M12	124 1 5201 64 32367	CW	8-5-2012	Tue	1910	(FN)
8116	M12	124 1 2606 62 63638	CW	15-5-2012	Tue	1910	(FN)
8116	M12	124 1 4076 52 88790	CW	22-5-2012	Tue	1910	(FN)
8116.0	M12	124 1 608 73 99863 35279 93011 ... 80685 000	CW	4-5-2012	Fri	1840	(CG)
8116.0	M12	124 1 2965 60 19176 05372 87887 ... 98269 000 000	CW	3-5-2012	Thu	1840	(CG)
8116.0	M12	124 1 3923 76 96087 31603 23457 ... 26083 000 000	CW	3-5-2012	Thu	1740	(CG)
8116.0	M12	... 28618 000 000	CW	10-5-2012	Thu	1844	(CG)
8116.0	M12	124 1 6357 56 54764 94970 03530 ... 21821 000 000	CW	1-5-2012	Tue	1910	(CG)
8137	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	10-5-2012	Thu	0450	(Spec)
8157	S06	134 0	AM	19-5-2012	Sat	1600	(HFD)
8170	VC01	Chinese Robot in progress	USB	4-5-2012	Fri	0622	(AB-HK)
8170	VC01	Chinese Robot in progress	USB	5-5-2012	Sat	0723	(AB-HK)
8170	VC01	Chinese Robot	USB	3-5-2012	Thu	1022	(rusl)
8170	VC01	Chinese Robot	USB	2-5-2012	Wed	0915	(rusl)
8173	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	9-5-2012	Wed	2000	(Spec)
8173	M12	111 111 111 000	CW	15-5-2012	Tue	0340	(FN)
8173	M12	111 0	CW	15-5-2012	Tue	0340	(HFD)
8173	M12	111 1 342 239 57245	CW	22-5-2012	Tue	0340	(FN)
8173.0	M12	111 000	CW	3-5-2012	Thu	0340	(CG)
8173.0	M12	111 000	CW	1-5-2012	Tue	0340	(CG)
8345	M12	234 234 234 000	CW	25-5-2012	Fri	0900	(Tom)
8345	M32a	RMGB: Russian Navy tanker IMAN qtc to RCV rmgb 523 19 12 1000 523 = sml for rjh45 rje73 = 12061 99358 10348 41596 30000 10245 40130 54000 70100 82000 22200 00210 30101 88000 80000 12015 = + rmgb k	CW	12-5-2012	Sat	0604	(WP3)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
8345	M32a	RMDE: Russian warship calling RMP	CW	12-5-2012	Sat	0810	(WP3)
8345	M32a	RKO81: Russian Navy Ship Lena qtc to rmp rko81 135 20 19 2200 135 = for rjd38 rif4 = 19181 99600 10294 41998 12603 10140 40219 40219 (?) 57010 70200 81010 22200 00110 20000 30000 88000 80000 19017 = + rko81 k	CW	19-5-2012	Sat	1816	(WP3)
8345	M32a	RMGB: Russian Navy tanker IMAN qtc to rcv 704 19 19 1000 704 = sml for rjh45 rje73 = 19061 99351 10264 41698 62905 10180 40115 56015 70032 82070 22200 00180 20202 88000 80000 19015 = + rmgb	CW	19-5-2012	Sat	0605	(WP3)
8345	M32a	RMGB: Russian Navy tanker IMAN qtc to RCV rmgb 287 17 13 2200 287 = sml for rjh45 rje73 = 10181 99353 10353 41598 21808 10210 40060 54000 70100 82000 22233 00210 20201 13013 = + rmgb k	CW	13-5-2012	Sun	1804	(WP3)
8345	M32a	RMGB: Russian Navy tanker IMAN tfc to rcv rmgb 420 19 22 1000 420 = sml for rjh45 rje73 =	CW	22-5-2012	Tue	0605	(WP3)
8345	M32a	RMGB: Russian Navy tanker IMAN qtc to rcv rmgb 340 17 19 21 1600 340 = sml for rjh45 rje73 =	CW	22-5-2012	Tue	1805	(WP3)
8345	M32a	RKO81: Russian Navy Ship Lena qtc to rmp 311 19 22 1000 311 = for rjd36 rif4 =	CW	22-5-2012	Tue	----	(WP3)
8497.8	MX	Beacon "L"	CW	18-5-2012	Fri	1528	(AB)
8497.8	MX	Beacon "L"	CW	19-5-2012	Sat	1552	(AB)
8497.8	MX	Beacon "L"	CW	26-5-2012	Sat	2110	(AB)
8497.8	MX	Beacon "L"	CW	17-5-2012	Thu	0548	(AB)
8530	S11a	484/00	USB	1-5-2012	Tue	0915	(HFD)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	4-5-2012	Fri	0200	(JPL-HK)
8789	M89	Svc message VVV HR SVC GA NR 20 1045 RMKS 5237 TO 6187 BT COMM/1100/LZ147A7/5238/6187 AR (see N&O 176) //10779	CW	4-5-2012	Fri	0230	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	25-5-2012	Fri	0928	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	5-5-2012	Sat	0126	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	12-5-2012	Sat	0852	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	19-5-2012	Sat	1008	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	19-5-2012	Sat	2316	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	6-5-2012	Sun	1041	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	13-5-2012	Sun	2318	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	13-5-2012	Sun	1045	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	10-5-2012	Thu	1015	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	17-5-2012	Thu	1010	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	24-5-2012	Thu	1253	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	24-5-2012	Thu	2325	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	24-5-2012	Thu	1054	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	24-5-2012	Thu	1957	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	15-5-2012	Tue	1042	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	15-5-2012	Tue	2314	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	15-5-2012	Tue	0243	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779. Still on 8789//10779 at 1448z. Normally switches to night time freqs of 4590//7607 by this time	CW	22-5-2012	Tue	1448	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779. Still on 8789//10779 at 1936z. Normally switches to night time freqs of 4590//7607 by this time	CW	22-5-2012	Tue	1936	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	22-5-2012	Tue	1016	(JPL-HK)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	22-5-2012	Tue	0053	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
8789	M89	WITN de GNXG	CW	22-5-2012	Tue	1953	(VL)
8789	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	16-5-2012	Wed	0827	(JPL-HK)
8790	M89	Svc message: QSL 0935 R K RR GA GA (see further N&O 176)	CW	5-5-2012	Sat	0127	(JPL-HK)
8816	M32b	09365: Russian Naval Air Transport qtc to rjc38 rjf94 09365 qto 0610 qrd XUMO XLMV qre 0925 qbd 13500 k - qqi ULPE 0712 qbg 7000 k - qth 6117 3700 qtr 0803 qbd 8700 k - qto 1106 qrd XLWF XUMO qre 1220 qbd 11500 k	CW	11-5-2012	Fri	0628	(WP3)
8816	M32b	52234: Rus Naval Air Transport qtc to rjf94 rcb 52234 qto 1042 qrd XLLV XUMO qre 1245 qah 6100 qbd 4300 etc	CW	18-5-2012	Fri		(WP3)
8816	M32b	52251: Rus Naval Air Transport qtc to rjc38 rjf94 52251 qto 0600 qrd XRRT XUMO qre 0900 qbd 4600 etc.	CW	18-5-2012	Fri		(WP3)
8816	M32b	52234: Rus Naval Air Transport qtc to rjf94 rcb 52234 qto 0620 qrd XUMO XRAP qre 1000 qah 6100 qbd 4800 etc	CW	18-5-2012	Fri		(WP3)
8816	M32b	42003: Rus Naval Air Transport qtc to rjf94 rcb qto 0935 qrd XLLV XUMO qah 5500 qbd 0430 - qay XUEH 1040 etc	CW	18-5-2012	Fri		(WP3)
8816	M32b	09235: Rus Naval Air Transport RUS clg rjf94 09235 qsa2 qsa?	CW	18-5-2012	Fri		(WP3)
8816	M32b	52232: Russian Naval Air Transport qtc to rjf94 rcb qto 0735 qrd XLLV XMWB qre 1020 qah 5800 qbd 4400 - qay EVRR 0820 qah 5800 qbd 3800	CW	21-5-2012	Mon	0745	(WP3)
8816	M32b	09365: Russian Naval Air Transport qtc rjf94 rjc38 - 09365 qto 0820 ??? - qqi ULPE 0917 qbg 6700 - qqm XLLV 1048 - qto 1330	CW	21-5-2012	Mon	0830	(WP3)
8816	M32b	09365: Russian Naval Air Transport qtc to rjc38 rjf94 09365 qto 0940 qrd XLMV XLLV qre 1200 qbd 16000 k	CW	12-5-2012	Sat	0955	(WP3)
8816	M32b	Russian Naval Air Transport "qtc rjc38 rjf94 - 52251 qto 0608 qrd XWLF XLMV qre 0900 qbd 4500 k"	CW	17-5-2012	Thu	0612	(WP3)
8816	M32b	42003: Russian Naval Air Transport qto 1335 qrd XUMO XLLJ qah 5500 qbd 0500	CW	23-5-2012	Wed	1335	(WP3)
8816	M32b	52235: Russian Naval Air Transport qtc to rjf94 rcb 52235 qto 1206 qrd XMWB XLLV qre 1500 qah 5500 qbd 4800 - qay EETT 1308 qah 5500 qbd 4200	CW	23-5-2012	Wed	1210	(WP3)
9040.0	V02a	in progress	AM	23-5-2012	Wed	0900	(NW)
9054.0	V26	// 7345, 4243	USB	21-5-2012	Mon	1220	(Token)
9125	S06s	196	USB	4-5-2012	Fri	0610	(HFD)
9137	E07a	147 1 11512 362 61 81275 22672 21295 78682 000 000	AM	10-5-2012	Thu	0510	(Spec)
9138	XPA	msg	MFSK	1-5-2012	Tue	1810	(HFD)
9173	M12	111 111 111 000	CW	15-5-2012	Tue	0400	(FN)
9173	M12	111 0	CW	15-5-2012	Tue	0400	(HFD)
9173	M12	111 1 342 239 57245	CW	22-5-2012	Tue	0400	(FN)
9173.0	M12	111 000	CW	3-5-2012	Thu	0400	(CG)
9173.0	M12	111 000	CW	1-5-2012	Tue	0400	(CG)
9176	M12	257 1 3083 72 71082	CW	7-5-2012	Mon	1700	(FN)
9176	M12	257 1 8914 66 57019	CW	7-5-2012	Mon	1800	(FN)
9176	M12	257 1 1674 55 05657	CW	7-5-2012	Mon	1900	(FN)
9176	M12	257 1 7304 87 80006	CW	14-5-2012	Mon	1900	(FN)
9176	M12	257 1 5324 61 70659	CW	14-5-2012	Mon	1800	(FN)
9176	M12	257 1 9591 79 00805	CW	14-5-2012	Mon	1700	(FN)
9176	M12	257 1	CW	14-5-2012	Mon	1700	(HFD)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
9176	M12	257 1 7971 76 69101	CW	21-5-2012	Mon	1700	(FN)
9176	M12	257 1 1737 50 83008	CW	21-5-2012	Mon	1800	(FN)
9176	M12	257 1 1729 80 61367	CW	21-5-2012	Mon	1900	(FN)
9176	M12	257 1	CW	3-5-2012	Thu	1900	(HFD)
9176	M12	257 1 9502 49 15103	CW	10-5-2012	Thu	1900	(FN)
9176	M12	257 1 5328 47 27954	CW	10-5-2012	Thu	1700	(FN)
9176	M12	257 1 5281 69 03701	CW	24-5-2012	Thu	1700	(FN)
9176	M12	257 1 5467 62 88044	CW	24-5-2012	Thu	1900	(FN)
9176.0	M12	257 1 8914 66 57019 78962 55473 ... 37079 000 000	CW	7-5-2012	Mon	1800	(CG)
9176.0	M12	257 1 3083 72 71082 32306 93236 ... 11824 000 000	CW	7-5-2012	Mon	1700	(CG)
9176.0	M12	257 1 1674 55 05657 26072 34079 ... 51252 000 000	CW	7-5-2012	Mon	1900	(CG)
9176.0	M12	257 1 4305 92 34490 74??? 32424 ... 32060 000 000	CW	3-5-2012	Thu	1700	(CG)
9176.0	M12	257 1 2583 44 93979 80886 01795 ... 32049 000 000	CW	3-5-2012	Thu	1900	(CG)
9176.0	M12	257 1 9502 49 15103 35505 39470 ... 36883 000 000	CW	10-5-2012	Thu	1900	(CG)
9184	M12	911 911 911 000	CW	10-5-2012	Thu	0650	(FN)
9184	M12	911 000	CW	24-5-2012	Thu	0650	(FN)
9213.1	M51	5L message after bt nr 26 a 30 20:47:36 1984 bt	CW	30-4-2012		1847	(PPA)
9213.25	M51	bt nr 07 m 14 14:55:13 1984 bt dgkmi	CW	14-5-2012	Mon	1255	(SW2)
9213.25	M51	bt nr 13 m 14 15:32:35 1984 bt avhve	CW	14-5-2012	Mon	1332	(SW2)
9213.25	M51	bt nr 09 m 14 15:07: 59 1984 bt lhyqk	CW	14-5-2012	Mon	1307	(SW2)
9213.25	M51	bt nr 14 m 14 15:38:50 1984 bt mojfg	CW	14-5-2012	Mon	1338	(SW2)
9213.25	M51	bt nr 06 m 14 14:48:59 1984 bt ijreg	CW	14-5-2012	Mon	1249	(SW2)
9213.25	M51	bt nr 10 m 14 15:13:55 1984 bt skcwv	CW	14-5-2012	Mon	1314	(SW2)
9213.25	M51	bt nr 11 m 14 15:20:05 1984 bt pkkcw	CW	14-5-2012	Mon	1320	(SW2)
9213.25	M51	bt nr 08 m 14 15 :01:25 1984 bt xjcei	CW	14-5-2012	Mon	1301	(SW2)
9213.25	M51	bt nr 12 m 14 15:26:22 1984 bt utmtu	CW	14-5-2012	Mon	1326	(SW2)
9234	M32	NXLC: Russian mil. ZKRH DE NXLC QTC 139 21 1 0818 139 CW = ZLQ725 =	CW	1-5-2012	Tue	0420	(PPA)
9241	M12	258 0	CW	2-5-2012	Wed	2100	(HFD)
9241	M12	258 258 258 000	CW	9-5-2012	Wed	2100	(FN)
9241	M12	258 000	CW	23-5-2012	Wed	2100	(FN)
9241.0	M12	258 000	CW	2-5-2012	Wed	2100	(CG)
9241.0	M12	258 000	CW	9-5-2012	Wed	2100	(CG)
9243	XPA	5F message	MFSK	26-4-2012		1940	(PPA)
9248	M32	Russian mil. "RDL RDL RDL 11111" into 5F message	CW	28-4-2012		1703	(PPA)
9264	M12	124 124 124 1 into 5F message	CW	27-4-2012		1820	(PPA)
9264	M12	124 1 4529 85 98673	CW	11-5-2012	Fri	1820	(FN)
9264	M12	124 1 4655 81 74632	CW	18-5-2012	Fri	1820	(FN)
9264	M12	124 1 8242 78 41523	CW	10-5-2012	Thu	1820	(FN)
9264	M12	124 1 4766 80 98025	CW	10-5-2012	Thu	1720	(FN)
9264	M12	124 1	CW	17-5-2012	Thu	1720	(HFD)
9264	M12	124 1 3812 71 85564	CW	24-5-2012	Thu	1720	(FN)
9264	M12	124 1 9108 83 50212	CW	24-5-2012	Thu	1820	(FN)
9264	M12	124 1 5201 64 32367	CW	8-5-2012	Tue	1850	(FN)
9264	M12	124 1 2606 62 63638	CW	15-5-2012	Tue	1850	(FN)
9264	M12	124 1 4076 52 88790	CW	22-5-2012	Tue	1850	(FN)
9264.0	M12	124 1 608 73 99863 35279 93011 ... 80685 000	CW	4-5-2012	Fri	1820	(CG)
9264.0	M12	124 1 3923 76 96087 31603 23457 ... 26083 000 000	CW	3-5-2012	Thu	1720	(CG)
9264.0	M12	124 1 2965 60 19176 05372 87887 ... 98269 000 000	CW	3-5-2012	Thu	1820	(CG)
9264.0	M12	124 1 6357 56 54764 94970 03530 ... 21821 000 000	CW	1-5-2012	Tue	1850	(CG)
9276	V13	New Star in progress	USB	10-4-2012		0703	(AB-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
9276	V13	New Star in progress	USB	10-4-2012		0700	(TI)
9276	V13	New Star #4	USB	11-5-2012	Fri	0700	(TI)
9276	V13	New Star #3. Tune + coded messages	USB	14-5-2012	Mon	0700	(AB-HK)
9276	V13	New Star in progress	USB	13-5-2012	Sun	0710	(AB-HK)
9276	V13	New Star	USB	10-5-2012	Thu	0800	(TI)
9276	V13	New Star #3. Music followed by code messages	USB	17-5-2012	Thu	0700	(AB-HK)
9276	V13	New Star	USB	15-5-2012	Tue	0700	(TI)
9276	V13	New Star #3. Music followed by code messages	USB	23-5-2012	Wed	0700	(AB-HK)
9287	XPA	msg	MFSK	15-5-2012	Tue	0440	(HFD)
9288	XPA	244 244 244 000 06532 00001 00000 10140	MFSK	1-5-2012	Tue	0440	(PPA)
9317	M12	263 1 852 137 80392	CW	12-5-2012	Sat	1910	(FN)
9317	M12	263 1 389 175 66836	CW	20-5-2012	Sun	1910	(FN)
9317	M12	263 1 852 137 80392	CW	9-5-2012	Wed	1910	(FN)
9317	M12	263 1 389 175 66736	CW	16-5-2012	Wed	1910	(FN)
9317.0	M12	263 1 852 137 80392 04604 42306 ... 93173 000 000	CW	9-5-2012	Wed	1910	(CG)
9327	M12	938 1 2130 70 03510	CW	9-5-2012	Wed	1910	(FN)
9327	M12	938 1 5503 52 94268	CW	16-5-2012	Wed	1910	(FN)
9327	M12	938 1 1402 54 82554	CW	23-5-2012	Wed	1910	(FN)
9327.0	M12	938 1 7869 67 47375 70641 59798 ... 02326 000 000	CW	2-5-2012	Wed	1910	(CG)
9327.0	M12	938 1 2130 70 03510 72394 ??683 ... 19791 000 000	CW	9-5-2012	Wed	1910	(CG)
9388	E07	553 553 553 1 790 49	AM	3-5-2012	Thu	2050	(tING)
9450	E25	YL. 570 570 570 570 570 570 570 570 570 570 5...(truncated) 0 570 570 message message 0 0	AM	7-5-2012	Mon	1339	(AIK)
9450	E25	Transmitter with dead carrier. Spider solitaire sound. "Clunk"	AM	7-5-2012	Mon	1319	(AIK)
9450	E25	music. 5555 MSG RBT EOM	AM	14-5-2012	Mon	1228	(FG)
9450	E25	Tone 785 44 3 788 4 2 ... EOM EOT	AM	8-5-2012	Tue	1312	(FG)
9450	E25	Song 222 message rebat EOM EOT	AM	15-5-2012	Tue	1344	(FG)
9450	E25	Song 557 message music 33 1	AM	15-5-2012	Tue	1246	(FG)
9450	E25	YL. 780 9151 3001 9510 3557 6513 1014 1730 6826 4973 9510	AM	23-5-2012	Wed	1312	(AiR)
9450	E25a	YL. 785 43 44 47 788 4 42 785 43 44 47 788 4 42 785 43 44 47 788 (5x) 4 42 78 78 78 78 message message message rebat reba (truncated) rebat rebat rebat	AM	7-5-2012	Mon	1311	(AIK)
9450	E25a	YL. 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 785 45 46 788 4 43 44 78 78 78 EOM EOT	AM	5-5-2012	Sat	1320	(AIK)
9610	E11	469/00	USB	1-5-2012	Tue	1045	(HFD)
9655	S06s	516	USB	4-5-2012	Fri	0940	(HFD)
9670	S06s	328	USB	16-5-2012	Wed	0850	(HFD)
9938	XPA	msg	MFSK	1-5-2012	Tue	1750	(HFD)
08003	E11	633/00	USB	1-5-2012	Tue	0710	(HFD)
10120	S06s	328-971 5=67658	USB	16-5-2012	Wed	0840	(HFD)
10120	S06s?	in progress	USB	8-5-2012	Tue	0943	(Joe)
10173	M12	111 1 342 239 57245	CW	22-5-2012	Tue	0420	(FN)
10250	S06s	254	USB	5-5-2012	Sat	1210	(HFD)
10290	S06s	516-802 7=01928	USB	4-5-2012	Fri	0930	(HFD)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
10343	M12	124 1 4529 85 98673	CW	11-5-2012	Fri	1800	(FN)
10343	M12	124 1 4655 81 74632	CW	18-5-2012	Fri	1800	(FN)
10343	M12	124 1 4766 80 98025	CW	10-5-2012	Thu	1700	(FN)
10343	M12	124 1 8242 78 41523	CW	10-5-2012	Thu	1800	(FN)
10343	M12	124 1	CW	17-5-2012	Thu	1700	(HFD)
10343	M12	124 1 3812 71 85564	CW	24-5-2012	Thu	1700	(FN)
10343	M12	124 1 9108 83 50212	CW	24-5-2012	Thu	1800	(FN)
10343	M12	124 1 5201 64 32367	CW	8-5-2012	Tue	1830	(FN)
10343	M12	124 1 2606 62 63638	CW	15-5-2012	Tue	1830	(FN)
10343	M12	124 1 4076 52 88790	CW	22-5-2012	Tue	1830	(FN)
10343.0	M12	124 1 608 73 99863 35279 93011 ... 80685 000	CW	4-5-2012	Fri	1800	(CG)
10343.0	M12	124 1 3923 76 96087 31603 23457 ... 26083 000 000	CW	3-5-2012	Thu	1700	(CG)
10343.0	M12	124 1 2965 60 19176 05372 87887 ... 98269 000 000	CW	3-5-2012	Thu	1800	(CG)
10343.0	M12	124 1 6357 56 54764 94970 03530 ... 21821 000 000	CW	1-5-2012	Tue	1830	(CG)
10438	XPA	msg	MFSK	1-5-2012	Tue	1730	(HFD)
10487	XPA	msg	MFSK	15-5-2012	Tue	0500	(HFD)
10543	M32a	RCV: Ny HQ BSF Sevastopol "XXX RJV 51708 degresiä 7172 0318 k"	CW	3-5-2012	Thu	0855	(FN)
10543	M32a	RCV: Ny HQ BSF Sevastopol "XXX RJV 52806 chkwälxnyj 9151 6018 k"	CW	3-5-2012	Thu	0830	(FN)
10543	M32a	RCV: Ny HQ BSF Sevastopol "XXX RJV 97548 kataleptik 8503 3206 k"	CW	3-5-2012	Thu	1223	(FN)
10543	M32a	RCV: HQ Black Sea Fleet, Sevastopol "RCV QSL 701 K". Later receives message from ship RMCW.	CW	3-5-2012	Thu	1744	(MPJ)
10547	E07	553 553 553 1 790 49	AM	3-5-2012	Thu	2030	(tING)
10547	E07	553 0	AM	17-5-2012	Thu	2030	(HFD)
10566	M12	546 1 1519 74 95881	CW	14-5-2012	Mon	1620	(FN)
10598	M12	938 1 2130 70 03510	CW	9-5-2012	Wed	1850	(FN)
10598	M12	938 1 5503 52 94268	CW	16-5-2012	Wed	1850	(FN)
10598	M12	938 1 1402 54 82554	CW	23-5-2012	Wed	1850	(FN)
10598.0	M12	938 1 7869 67 47375 70641 59798 ... 02326 000 000	CW	2-5-2012	Wed	1850	(CG)
10598.0	M12	938 1 2130 70 03510 72394 ??683 ... 19791 000 000	CW	9-5-2012	Wed	1850	(CG)
10617	M12	263 263 263 000	CW	6-5-2012	Sun	1850	(FN)
10617	M12	263 1 852 137 80392	CW	13-5-2012	Sun	1850	(FN)
10617	M12	263 1 389 175 66836	CW	20-5-2012	Sun	1850	(FN)
10617	M12	263 1 852 137 80392	CW	9-5-2012	Wed	1850	(FN)
10617	M12	263 1 389 175 66736	CW	16-5-2012	Wed	1850	(FN)
10617	M12	263 000	CW	23-5-2012	Wed	1850	(FN)
10617.0	M12	263 000	CW	6-5-2012	Sun	1850	(CG)
10617.0	M12	263 1 852 137 80392 04604 42306 ... 93173 000 000	CW	9-5-2012	Wed	1850	(CG)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	11-5-2012	Fri	1120	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	18-5-2012	Fri	1119	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	25-5-2012	Fri	0920	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	5-5-2012	Sat	0120	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	12-5-2012	Sat	0820	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	19-5-2012	Sat	2320	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	19-5-2012	Sat	1019	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	6-5-2012	Sun	1120	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	13-5-2012	Sun	1220	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	13-5-2012	Sun	2320	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	20-5-2012	Sun	1219	(JPL-HK)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	10-5-2012	Thu	1020	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	10-5-2012	Thu	1220	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	17-5-2012	Thu	1020	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	24-5-2012	Thu	2320	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	1-5-2012	Tue	1220	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	15-5-2012	Tue	1121	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	15-5-2012	Tue	2321	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	15-5-2012	Tue	1221	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	22-5-2012	Tue	1120	(JPL-HK)
10640	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K (R5) //6840	CW	16-5-2012	Wed	0819	(JPL-HK)
10700	EV01	Multiple messages, YL, EE, 5 letter groups. Messages appear to be repeats of past messages.	AM	26-5-2012	Sat	1415	(Token)
10700	EV01	Message in progress. Female voice.	AM	8-5-2012	Tue	1525	(DG1NGO)
10700	EV01	in progress	AM	22-5-2012	Tue	1510	(DG1NGO)
10711	M12	546 1 1519 74 95881	CW	14-5-2012	Mon	1640	(FN)
10711	M12	546 1	CW	14-5-2012	Mon	1640	(HFD)
10711	M12	546 1 4484 75 03032	CW	21-5-2012	Mon	1640	(FN)
10711.0	M12	546 1 2216 99 02343 37354 74538 ... 17562 000 000	CW	7-5-2012	Mon	1640	(CG)
10779	M89	Svc message VVV HR SVC GA NR 20 1045 RMKS 5237 TO 6187 BT COMM/1100/LZ147A7/5238/6187 AR (see N&O 176) //8789	CW	4-5-2012	Fri	0230	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	4-5-2012	Fri	0200	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	25-5-2012	Fri	0928	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	5-5-2012	Sat	0126	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	12-5-2012	Sat	0852	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	19-5-2012	Sat	2316	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	19-5-2012	Sat	1008	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	6-5-2012	Sun	1041	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	13-5-2012	Sun	2318	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	13-5-2012	Sun	1045	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	10-5-2012	Thu	1015	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	17-5-2012	Thu	1010	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	24-5-2012	Thu	1253	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	24-5-2012	Thu	1054	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	24-5-2012	Thu	1957	(JPL-HK)
10779	M89	V WITN (x3) D E GNXG (x2) (Cont'd) //8789	CW	24-5-2012	Thu	2325	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	15-5-2012	Tue	0243	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	15-5-2012	Tue	2314	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	15-5-2012	Tue	1042	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	22-5-2012	Tue	0053	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	22-5-2012	Tue	1016	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	22-5-2012	Tue	1448	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	22-5-2012	Tue	1936	(JPL-HK)
10779	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	16-5-2012	Wed	0827	(JPL-HK)
10800	E11	416/00	USB	7-5-2012	Mon	0450	(HFD)
10871.7	MX	D: UKR Sevastopol	CW	23-5-2012	Wed	2106	(VL)
10871.8	MX	Beacon "P"	CW	18-5-2012	Fri	1528	(AB)
10871.8	MX	P: KAL Kaliningrad	CW	23-5-2012	Wed	2106	(VL)
10871.9	MX	S: RUS Severomorsk	CW	23-5-2012	Wed	2106	(VL)
10872	MX	Beacon "C"	CW	18-5-2012	Fri	1528	(AB)
10872.1	MX	A: RUS Astrakhan	CW	23-5-2012	Wed	2106	(VL)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
10926	M12	919 1 571 93 79648	CW	19-5-2012	Sat	1350	(FN)
10926	M12	919 1	CW	19-5-2012	Sat	1350	(HFD)
11155	M32a	RIT: Ny HQ NF Severomorsk "XXX RLO 94237 direktoriä 3655 2882 k"	CW	3-5-2012	Thu	0835	(FN)
11418	M32a	RMP: Navy Kaliningrad. "RKO81 DE RMP QSA5 QRQ QRV"	CW	21-5-2012	Mon	1812	(PPA)
11430	V13	New Star in progress	USB	10-4-2012		0605	(AB-HK)
11430	V13	New Star in progress	USB	10-4-2012		0600	(TI)
11430	V13	New Star in progress	USB	11-5-2012	Fri	0512	(AB-HK)
11430	V13	Music intro YL with msg	USB	11-5-2012	Fri	1200	(Dan)
11430	V13	New Star. Music intro. YL with msg	USB	11-5-2012	Fri	1200	(Dan)
11430	V13	New Star #4	USB	11-5-2012	Fri	0522	(TI)
11430	V13	New Star #4	USB	11-5-2012	Fri	0603	(TI)
11430	V13	New Star in progress	USB	18-5-2012	Fri	0517	(AB-HK)
11430	V13	New Star	USB	18-5-2012	Fri	1200	(rusl)
11430	V13	New Star in progress	USB	25-5-2012	Fri	0514	(AB-HK)
11430	V13	New Star #4. Musical intro followed by messages	USB	25-5-2012	Fri	0600	(AB-HK)
11430	V13	New Star	USB	25-5-2012	Fri	1200	(rusl)
11430	V13	New Star	USB	25-5-2012	Fri	1300	(rusl)
11430	V13	New Star in progress	USB	14-5-2012	Mon	0608	(AB-HK)
11430	V13	Music intro YL with msg	USB	14-5-2012	Mon	1200	(Dan)
11430	V13	New Star	USB	14-5-2012	Mon	1206	(rusl)
11430	V13	New Star	USB	14-5-2012	Mon	1300	(rusl)
11430	V13	New Star in progress. Windows XP shutdown sound was heard at 1333 UTC	USB	14-5-2012	Mon	1316	(TI)
11430	V13	New Star in progress	USB	12-5-2012	Sat	0514	(AB-HK)
11430	V13	New Star in progress	USB	12-5-2012	Sat	0609	(AB-HK)
11430	V13	New Star	USB	12-5-2012	Sat	0600	(TI)
11430	V13	New Star	USB	12-5-2012	Sat	0519	(TI)
11430	V13	New Star in progress	USB	26-5-2012	Sat	0513	(AB-HK)
11430	V13	New Star #4. Musical intro and coded messages	USB	27-5-2012	Sun	0700	(AB-HK)
11430	V13	New Star #4	USB	10-5-2012	Thu	1300	(TI)
11430	V13	New Star #4	USB	10-5-2012	Thu	1200	(TI)
11430	V13	New Star #4. Tune + coed messages	USB	17-5-2012	Thu	0600	(AB-HK)
11430	V13	New Star	USB	24-5-2012	Thu	1200	(rusl)
11430	V13	New Star	USB	24-5-2012	Thu	1300	(rusl)
11430	V13	New Star #4. Tune followed by coded messages	AM	15-5-2012	Tue	0600	(AB-HK)
11430	V13	New Star	USB	15-5-2012	Tue	0600	(TI)
11430	V13	New Star #4. Music followed by code messages	USB	22-5-2012	Tue	0500	(AB-HK)
11430	V13	New Star #4	USB	9-5-2012	Wed	1200	(Dan)
11430	V13	New Star #4	USB	9-5-2012	Wed	1300	(westli)
11430	V13	New Star #4. Tune and coded messages. Started one minute late	USB	16-5-2012	Wed	0601	(AB-HK)
11430	V13	New Star #4. Tune and coded messages	USB	16-5-2012	Wed	0500	(AB-HK)
11430	V13	New Star. Music intro YL with msg.	USB	16-5-2012	Wed	1200	(Dan)
11430	V13	New Star. Music intro YL with msg.	USB	16-5-2012	Wed	1300	(Dan)
11430	V13	New Star #4. Music followed by code messages. Nothing heard at 0400	USB	23-5-2012	Wed	0500	(AB-HK)
11430	V13	New Star #4. Music followed by code messages	USB	23-5-2012	Wed	0600	(AB-HK)
11430	V13	New Star	USB	23-5-2012	Wed	1200	(rusl)
11430	V13	New Star	USB	23-5-2012	Wed	1300	(rusl)
11435	M12	938 1 2130 70 03510	CW	9-5-2012	Wed	1830	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
11435	M12	938 1 5503 52 94268	CW	16-5-2012	Wed	1830	(FN)
11435	M12	938 1 1402 54 82554	CW	23-5-2012	Wed	1830	(FN)
11435	SK01	Cuban SK01 on a moderate carrier	RDFT	18-5-2012	Fri	0609	(vambo)
11435.0	M12	938 1 7869 67 47375 70641 59798 ... 02326 000 000	CW	2-5-2012	Wed	1830	(CG)
11435.0	M12	938 1 2130 70 03510 72394 ??683 ... 19791 000 000	CW	9-5-2012	Wed	1830	(CG)
11438	S06	314 0	AM	19-5-2012	Sat	1900	(HFD)
11440	M42	Russian diplo	CROWD-36	17-5-2012	Thu	0652	(PPA)
11468	M32a	Russian Mil. "RDL RDL RDL 59719 533TT 59719 533TT 59719 533TT K"	CW	18-5-2012	Fri	2140	(BCI)
11472	M12	344 1 687 107 64061	CW	7-5-2012	Mon	1340	(FN)
11472	M12	344 1 487 153 59135	CW	14-5-2012	Mon	1340	(FN)
11472	M12	344 1 854 325 85790	CW	21-5-2012	Mon	1340	(FN)
11472.0	M12	344 1 687 107 64061 94092 38854 ... 31439 000 000	CW	7-5-2012	Mon	1340	(CG)
11484	M32	Russian Mil: VVV 1K2 VVV 2K QSV QSA	CW	19-5-2012	Sat	1208	(PPA)
11487	XPA	msg	MFSK	15-5-2012	Tue	0520	(HFD)
11488	XPA	244 244 244 000 06532 00001 00000 10140 +++++	MFSK	17-5-2012	Thu	0520	(PPA)
11488	XPA	Russian intel 244 244 244 000 06532 00001 00000 10140 +++++	MFSK 20/10/520	17-5-2012	Thu	0520	(PPA)
11490	M42	Russian gov/intel. CW callup VVV RJS3 DE RVQ4 QSA into Baudot code messages	CW + Bau-dot 50/500	19-5-2012	Sat	0439	(PPA)
11512	E07	845 1	AM	7-5-2012	Mon	1940	(HFD)
11512	E07	845 1 957 100 46104 36468 26818 33974 000 000	AM	2-5-2012	Wed	1940	(Spec)
11512.0	E07	845 1 957 100 46104 36468 26818 ... 33974 000 000 (repeat of Monday 2012-04-30)	AM	2-5-2012	Wed	1940	(CG)
11539	E07	553 553 553 1 790 49	AM	3-5-2012	Thu	2010	(tING)
11539	E07	553 0	AM	17-5-2012	Thu	2010	(HFD)
11561	M12	546 1	CW	14-5-2012	Mon	1620	(HFD)
11566	M12	546 1 4484 75 03032	CW	21-5-2012	Mon	1620	(FN)
11566.0	M12	546 1 2216 99 02343 37354 74538 ... 17562 000 000	CW	7-5-2012	Mon	1620	(CG)
11581	S11a	426/00	USB	1-5-2012	Tue	1020	(HFD)
12126	M12	919 919 919 000	CW	12-5-2012	Sat	1330	(FN)
12126	M12	919 1 571 93 79648	CW	19-5-2012	Sat	1330	(FN)
12126	M12	919 1	CW	19-5-2012	Sat	1330	(HFD)
12126	M12	919 000	CW	24-5-2012	Thu	1330	(FN)
12126	M12	344 1 687 107 64061 (rpt of 07/05 1340z)	CW	9-5-2012	Wed	1540	(FN)
12126	M12	344 1 487 153 59135	CW	16-5-2012	Wed	1540	(FN)
12126	M12	344 1	CW	16-5-2012	Wed	1540	(HFD)
12126	M12	344 1 854 325 85790 (rpt. of 21.5. 1340z)	CW	23-5-2012	Wed	1540	(FN)
12126.0	M12	344 1 798 85 51578 94442 16845 ... 68669 000 000	CW	2-5-2012	Wed	1540	(CG)
12138.0	XPA2	940 53 14316 15819 66280 ... 74450	USB	6-5-2012	Sun	2040	(CG)
12155	S06s	425-801 6=09867	USB	3-5-2012	Thu	1200	(HFD)
12162	M12	546 1 1519 74 95881	CW	14-5-2012	Mon	1600	(FN)
12162	M12	546 1	CW	14-5-2012	Mon	1600	(HFD)
12162	M12	546 1 4484 75 03032	CW	21-5-2012	Mon	1600	(FN)
12162.0	M12	546 1 2216 99 02343 37354 74538 ... 17562 000 000	CW	7-5-2012	Mon	1600	(CG)
12179	M12	851 1 965 121 28996	CW	19-5-2012	Sat	2150	(FN)
12217	M12	263 1 389 175 66836	CW	19-5-2012	Sat	1830	(FN)
12217	M12	263 263 263 000	CW	6-5-2012	Sun	1830	(FN)
12217	M12	263 1 852 137 80392	CW	13-5-2012	Sun	1830	(FN)
12217	M12	263 1 852 137 80392	CW	9-5-2012	Wed	1830	(FN)
12217	M12	263 1 389 175 66736	CW	16-5-2012	Wed	1830	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
12217	M12	263 000	CW	23-5-2012	Wed	1830	(FN)
12217.0	M12	263 000	CW	6-5-2012	Sun	1830	(CG)
12217.0	M12	263 1 852 137 80392 04604 42306 ... 93173 000 000	CW	9-5-2012	Wed	1830	(CG)
12460	S06s	254-807 6=46632	USB	5-5-2012	Sat	1200	(HFD)
12464	M32a	RFH61: Russian Navy qso RCV ok qap k	CW	14-5-2012	Mon	0905	(WP3)
12464	M32a	RFH70: Russian Navy qso rcv qyt4 qsx 11688/16976 k	CW	14-5-2012	Mon	0835	(WP3)
12464	M32a	RMCW: BSF Hydrographic Vessel "Donuzlav". "RMCW 97548 kataleptik 8503 3206 +"	CW	3-5-2012	Thu	1224	(FN)
12464	M32a	unid vessel "R??? 97548 kataleptik 8503 3206 +"	CW	3-5-2012	Thu	1224	(FN)
12464	M32a	RMGB: BSF Tanker "Iman". "RMGB 97548 kataleptik 8503 3206 + (3.5.2012 FN)	CW	3-5-2012	Thu	1224	(FN)
12464	M32a	RFH70: Russian Navy cfm qtc: rf70 86469 batraöiha 0163 1950 k	CW	22-5-2012	Tue	0850	(WP3)
12464	M32a	RFH70: Russian Navy cfm qtc: rf70 07039 menton 5472 1097 k	CW	22-5-2012	Tue	0910	(WP3)
12464	M32a	RMGB: Russian Navy tanker IMAN cfm qtc: rmgb 07039 menton 5472 1097 k	CW	22-5-2012	Tue	0910	(WP3)
12464	M32a	RFH70: Russian Navy cfm msg: rf70 14280 geksimid 8683 8843 k	CW	23-5-2012	Wed	0703	(WP3)
12464	M32a	RMGB: Russian Navy tanker IMAN tfc to rcv rmgb 159 19 23 1600 159 = sml for rjh45 rje73 = 23121 99355 10263 41798 32908 10240 40150 52010 70200 83010 22200 00180 20202 88000 80000 23015 = + rmgb k	CW	23-5-2012	Wed	1232	(WP3)
12650	S06s	153	USB	9-5-2012	Wed	0540	(HFD)
12787	M32	LRLC: Russian Mil. WIXT WIXT WIXT de LRLC LRLC zzz lrlc t99 29 23 1131 t99 = zzz 165 = ppppp	CW	23-5-2012	Wed	0732	(WP3)
12794	M32a	Russian Navy: RCV tfc to RBEG	CW	18-5-2012	Fri	1459	(WP3)
12794	M32a	RBEG: Russian warship 5LG tfc to RCV then rbeg 369 130 18 1815 369 = sml = mmmmm bktcs ... (? a five days old message ?)	CW	23-5-2012	Wed	0707	(WP3)
12794	M32a	RCV: Russian Navy Sevastopol UKR qso RBEG qsl 293 k	CW	23-5-2012	Wed	0707	(WP3)
12850	E17z	674	AM	3-5-2012	Thu	0810	(HFD)
12935	S06s	352	USB	1-5-2012	Tue	0810	(HFD)
12952	S06s	167-203 5=89765	USB	10-5-2012	Thu	0900	(HFD)
13371	M32	7W6A: Russian Mil. NCS in 30-group 5LG traffic ... LRAWR OLORA ... IIMIR KAKWK 185 K. OR8H de 7W6A R ? K.	CW	1-5-2012	Tue	1336	(MPJ)
13388	E07	301 1-548 42=10213	AM	2-5-2012	Wed	1700	(HFD)
13392	M12	344 1 687 107 64061 (rpt of 07/05 1320z)	CW	9-5-2012	Wed	1520	(FN)
13392	M12	344 1 487 153 59135	CW	16-5-2012	Wed	1520	(FN)
13392	M12	344 1	CW	16-5-2012	Wed	1520	(HFD)
13392	M12	344 1 854 325 85790 (rpt. of 21.5. 1320z)	CW	23-5-2012	Wed	1520	(FN)
13392.0	M12	344 1 798 85 51578 94442 16845 ... 68669 000 000	CW	2-5-2012	Wed	1520	(CG)
13412	E07	845 1	AM	7-5-2012	Mon	1920	(HFD)
13412	E07	845 1 957 100 46104 36468 26818 33974 000 000	AM	2-5-2012	Wed	1920	(Spec)
13412.0	E07	845 1 957 100 46104 36468 26818 ... 33974 000 000 (repeat of Monday 2012-04-30)	AM	2-5-2012	Wed	1920	(CG)
13424	E11	517/00	USB	10-5-2012	Thu	0645	(HFD)
13424	USB	517/00	E11	8-5-2012	Tue	0645	(AB)
13427	E11	530/31 attn 52409	USB	7-5-2012	Mon	0900	(FN)
13427	E11	534/00	USB	14-5-2012	Mon	0900	(HFD)
13472	M12	344 1 687 107 64061	CW	7-5-2012	Mon	1320	(FN)
13472	M12	344 1 487 153 59135	CW	14-5-2012	Mon	1320	(FN)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
13472	M12	344 1 854 325 85790	CW	21-5-2012	Mon	1320	(FN)
13472.0	M12	344 1 687 107 64061 94092 38854 ... 31439 000 000	CW	7-5-2012	Mon	1320	(CG)
13511.0	XPA2	4780 120 79533 78645 53344 ... was 10746 in April	USB	4-5-2012	Fri	2020	(CG)
13527.7	MX	Beacon "D"	CW	18-5-2012	Fri	1528	(AB)
13527.7	MX	Beacon "D" Sevastopol	CW	15-5-2012	Tue	1101	(SW2)
13528	MX	Beacon "C"	CW	18-5-2012	Fri	1528	(AB)
13528	MX	Beacon "C" Moscow	CW	17-5-2012	Thu	1533	(SW2)
13528.1	MX	Beacon "A"	CW	18-5-2012	Fri	1528	(AB)
13528.1	MX	Beacon "A" Astrakhan	CW	17-5-2012	Thu	1533	(SW2)
13528.1	MX	Beacon "A" Astrakhan	CW	15-5-2012	Tue	1106	(SW2)
13528.4	MX	Beacon "M", Magadan	CW	3-5-2012	Thu	2028	(Pat)
13528.4	MX	Beacon "M" Magadan	CW	17-5-2012	Thu	0659	(AB-HK)
13538.0	XPA2	940 53 14316 15819 66280 ... 74450	USB	6-5-2012	Sun	2020	(CG)
13565	S06s	167	USB	10-5-2012	Thu	0910	(HFD)
13569	M12	851 1 965 121 28996	CW	19-5-2012	Sat	2130	(FN)
13569	M12	851 000	CW	23-5-2012	Wed	2130	(FN)
13569.0	M12	851 000	CW	5-5-2012	Sat	2130	(CG)
13926	M12	919 919 919 000	CW	12-5-2012	Sat	1310	(FN)
13926	M12	919 919 919 000	CW	12-5-2012	Sat	1310	(PPA)
13926	M12	919 1 571 93 79648	CW	19-5-2012	Sat	1310	(FN)
13926	M12	919 1	CW	19-5-2012	Sat	1310	(HFD)
13926	M12	919 000	CW	24-5-2012	Thu	1310	(FN)
13964	M32	Russian Mil. ZTOC DE OCLN QTC 551 19 11 1910 551 = 558 = into 5L message	CW	11-5-2012	Fri	1512	(PPA)
13980	EGY	Codan modem traffic followed by short ATU-A traffic in Sitor-A	Codan + Sitor-A 100/170	14-5-2012	Mon	1755	(PPA)
13981	MC03	Presumed Chinese military. Figure message using cut numbers AU34567DNT, duplex contact, requesting QSL and RPT	CW	10-5-2012	Thu	1810	(PPA)
14058.9	M32	Russian Mil. DMMU to BUMH: QTC 014 34 20 1130 014 =	CW	20-4-2012		0835	(IARUMS)
14372	M12	344 1 687 107 64061	CW	7-5-2012	Mon	1300	(FN)
14372	M12	344 1 487 153 59135	CW	14-5-2012	Mon	1300	(FN)
14372	M12	344 1 854 325 85790	CW	21-5-2012	Mon	1300	(FN)
14372.0	M12	344 1 687 107 64061 94092 38854 ... 31439 000 000	CW	7-5-2012	Mon	1300	(CG)
14373	S06s	352-809 6=32265	USB	1-5-2012	Tue	0800	(HFD)
14411	M32a	RDL: Navy Smolensk flash message in F1A and crypto messages in F1B	CW	5-5-2012	Sat	1249	(PPA)
14411	M32a	Navy High Command Moscow "XXX WEGI 80858 08343 pihta 7206 1889 diftoramin 3781 1979 k"	CW	3-5-2012	Thu	0822	(FN)
14411	M32a	Navy High Command Moscow "XXX RDL 54956 94237 direktoriä 3655 2882 k"	CW	3-5-2012	Thu	0838	(FN)
14411	M32a	Navy High Command Moscow "XXX RGT77 61213 45832 litiofarit 7335 3653 k"	CW	3-5-2012	Thu	0827	(FN)
14411	M32a	Navy High Command Moscow "XXX WEGI 34761 57259 ajdym 9435 2871 k"	CW	3-5-2012	Thu	0950	(FN)
14414.8	M32	CIS Mil. PSHN DE 2BLP QTC 545 15081940 545 = FM 282 817 FOR 646 253 = PWAUN into crypto F1B	CW + Bau-dot 50/250	8-5-2012	Tue	1610	(PPA)
14436.7	EGY	MFA Cairo calling TVXX San'A followed by ATU-A arabic message	SITOR-A 170/100	5-5-2012	Sat	1157	(PPA)
14438	M32a	Russian Mil. 5F flash message after xxx xxx rdl rdl 2222 5622	CW	8-5-2012	Tue	1612	(PPA)

Freq.	enigma	remarks	mode	date	day	UTC	contributor
14460	E06	460-385 102=40940	AM	4-5-2012	Fri	0500	(HFD)
14492	M12	344 1 487 153 59135	CW	16-5-2012	Wed	1500	(FN)
14492	M12	344 1	CW	16-5-2012	Wed	1500	(HFD)
14492	M12	344 1 854 325 85790 (rpt. of 21.5. 1300z)	CW	23-5-2012	Wed	1500	(FN)
14492.0	M12	344 1 798 85 51578 94442 16845 ... 68669 000 000	CW	2-5-2012	Wed	1500	(CG)
14535	S06s	425	USB	3-5-2012	Thu	1210	(HFD)
14538.0	XPA2	940 53 14316 15819 66280 ... 74450	USB	6-5-2012	Sun	2000	(CG)
14580	S06s	729-831 5=89231	USB	16-5-2012	Wed	1000	(HFD)
14650	X06	Mazielka. Sequence: 215346	USB	8-5-2012	Tue	1115	(linkz)
14650.5	M42	Russian Gov. All encrypted text	CROWD-36	1-5-2012	Tue	0725	(EW)
14671.5	M51	5LGs off-line encryption	CW	5-5-2012	Sat	2046	(MCO)
14671.5	M51	5LGs	CW	13-5-2012	Sun	2233	(MCO)
14812	E07	845 1-957 100= 46104	AM	7-5-2012	Mon	1900	(HFD)
14812	E07	845 1 957 100 46104 36468 26818 33974 000 000	AM	2-5-2012	Wed	1900	(Spec)
14812	E07	845 845 845 1 957 100	AM	2-5-2012	Wed	1900	(tING)
14825.0	G--	"Achtung, Achtung number -number- number" repeat	AM	16-5-2012	Wed	0006	(vambo)
14828.0	XPA2	no decode belongs to 16114 at 1920 UTC	USB	4-5-2012	Fri	1940	(CG)
14828.0	XPA2	no decode but noise after tuning coming through	USB	5-5-2012	Sat	1940	(CG)
14869	M12	851 1 965 121 28996	CW	19-5-2012	Sat	2110	(FN)
14869	M12	851 000	CW	23-5-2012	Wed	2110	(FN)
14869.0	M12	851 000	CW	5-5-2012	Sat	2110	(CG)
14942	M12	344 1 687 107 64061 (rpt of 07/05 1300z)	CW	9-5-2012	Wed	1500	(FN)
16020	S06s	729	USB	16-5-2012	Wed	1010	(HFD)
16114.0	XPA2	no decode belongs to 14828 at 1940 UTC	USB	4-5-2012	Fri	1920	(CG)
16114.0	XPA2	no decode	USB	5-5-2012	Sat	1920	(CG)
16170	E06	460	AM	4-5-2012	Fri	0600	(HFD)
16278	M42	Russian Gov. clg unid embassy "UDZ26". QSY 19823U ..QSY 1823U..	CW	15-5-2012	Tue	0758	(Joe)
16331.7	MX	Beacon "D"	CW	18-5-2012	Fri	1528	(AB)
16331.7	MX	Beacon "D", Odessa/Sevastopol	CW	13-5-2012	Sun	1858	(MPJ)
16331.7	MX	Beacon "D"	CW	13-5-2012	Sun	1640	(w.ob29)
16331.7	MX	Beacon "D" Sevastopol	CW	17-5-2012	Thu	1516	(SW2)
16331.9	MX	Beacon "S", Severomorsk	CW	13-5-2012	Sun	1858	(MPJ)
16332	MX	Beacon "C"	CW	18-5-2012	Fri	1528	(AB)
16332	MX	Beacon "C", Moscow	CW	13-5-2012	Sun	1858	(MPJ)
16332	MX	Beacon "C"	CW	13-5-2012	Sun	1640	(w.ob29)
16332	MX	Beacon "C" Moscow	CW	17-5-2012	Thu	1518	(SW2)
16530	S11a	475/00	USB	17-5-2012	Thu	1015	(HFD)
16780	E17z	674-809 5=05938	AM	3-5-2012	Thu	0800	(HFD)
17431	M42	Russian Intel	FSK 200/500	12-5-2012	Sat	1200	(EW)
17475	S06b/S06	842 156 2 11111 00056 156 2. 842 907 35 39894 46459 36570 907 35 00000	USB	10-5-2012	Thu	0830	(Avare)
19433	EGY	Codan Chirp from "33303" (Egyptian Embassy, Bamako) to "99907" (MFA Cairo)	Codan 80bd	8-5-2012	Tue	1629	(MCO)
20223.7	EGY	Egyptian Embassy, Lagos with hex offline crypto to MFA Cairo	SITOR-A 100/170	1-5-2012	Tue	2009	(MCO)
21001.47	DPRK	North Korean embassy Moscow	DPRK-ARQ 600/600	2-5-2012	Wed	1328	(IARUMS)
21450.7	---	Voice loop. Repeated (see also 6950 and 6990 kHz)	USB	5-11-2011	----		(AY2)
22915	E06	OM/EE	AM	24-5-2012	Thu	1000	(David)

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