

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
76	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
71	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	86543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #180, September 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>

Hi all,

Welcome to yet another edition of Numbers & Oddities. Included are lots of transcripts and logs, including many M89 messages and chats provided by JP. Also several new and changed designators. Further several interesting unids. If you can help us to identify these stations, please mail us.

Thanks to everyone who shared logs and info. Without you there would be no N&O ! Special thanks go to JP -who sent no less than 543 M89 logs!!- , Fritz, Avare, AnRus, Jan Machalski, Spectre, Hans-Friedrich and Wolfgang. Also a warm welcome to Chief "Q" who joined us recently and already sent us lots of logs and Gary who sent us a bunch of M08a logs. Great gents!

NEW DESIGNATORS

ENIGMA 2000 assigned a specific designator to the FAV22 transmissions: M51a

M51a are the well-known French text, 5LGs and 5FGs training messages with schedules on 3881//6285 kHz.

During the past year I received a number of questions about the Russian military designators. The people who sent me a mail about the subject all wanted more different designators for these stations and several changes. I have been thinking about it and decided to add several designators and change several others. Here is the list:

Type of station	Mode	Old	New	
Russian Air Defense	CW	M21	M21	
Ukrainian Air Defense	CW	M21a	M21a	(was PVO variants)
Russian Military	CW	M32	M32	(was Russian/CIS/Ukrainian military)
Russian Navy	CW	M32a	M32a	
Russian Naval Air Transport	CW	M32b	M32b	
Russian Air Force	CW	M32c	M32c	
Ukrainian Air Force	CW	M32d	M32d	
Ukrainian Military	CW	M32	M32e	
Russian Military	USB voice		RMv	
Russian Navy	USB voice		RNv	
Russian Naval Aviation	USB voice		RNAv	
Russian Air Force	USB voice		RAv	
Russian Air Defense	USB voice	M21b	RADv	
Ukrainian Air Defense	USB voice	M21c	UADv	(was PVO variants)
Ukrainian Military	USB voice		UMv	
Ukrainian Air Force	USB voice		UAv	
Russian Mil. 5292 kHz	USB voice	S5292	S5292	
Russian Mil. 5426 kHz	USB voice	S5426	S5426	
Russian Mil. 6930 kHz	USB voice	S6930	S6930	

The logs in the database have been adjusted.

VOICE STATIONS



E06

5197 kHz, 07-09 & 21-09, 2130 UTC:
(Note the repeated groups in message)

634 030 15
14273 92617 61430 26174 87043 72819 37194 60163 53728 45179
27194 92617 26183 93627 29104
030 15 00000



E07

10116 kHz, 02-09, 1740 UTC: E07 201 1 718 84
61392 55094 03353 99357 04288 91424 24619 48465 45965 39590
89811 79375 29405 63491 28068 15768 08222 47003 97034 87451
87583 29626 89993 80436 15338 09351 69390 21197 52045 00837
66248 35959 59370 14062 80357 55573 96011 27060 20339 08368
94319 75139 03793 58117 65756 70476 97160 66115 40068 40336
26675 56658 55534 56693 46512 36067 00854 11256 03174 81520
47493 34721 81666 91081 11303 91824 58691 27158 02564 36091
18910 18748 16802 16589 00503 04272 67250 76140 03943 51213
79361 63109 85435 40666
000 000

12223 kHz, 09-09, 1700 UTC: E07 201 201 201 000
11062 kHz, 09-09, 1720 UTC: E07 201 201 201 000
12108 kHz, 10-09, 1900 UTC: E07 172 172 172 000
10708 kHz, 10-09, 1920 UTC: E07 172 172 172 000
12223 kHz, 23-09, 1700 UTC: E07 201 201 201 000
11062 kHz, 23-09, 1720 UTC: E07 201 201 201 000

8173 kHz, 12-09, 2000 UTC: E07a 147 1 38380 269 66
7473 kHz, 12-09, 2020 UTC: 89639 98717 28917 39916 84095 07447 90933 67649 68211 95879
5773 kHz, 12-09, 2040 UTC: 86178 74656 85208 54286 86852 49082 79578 39421 81779 14177
54986 44742 39188 30009 46279 47921 39260 88759 60655 28410
47855 20746 82070 15211 16985 75248 13965 36641 51766 41489
71990 91548 92180 81974 45091 65481 15725 74969 16339 33804
28860 40056 26259 08816 68660 63470 69884 41004 74236 02736
37944 29683 61404 61025 72225 26319
000 000

7437 kHz, 13-09, 0430 UTC: E07a 411 1 38380 269 66
 8137 kHz, 13-09, 0450 UTC: 89639 98717 28917 39916 84095 07447 90933 67649 68211 95879
 9137 kHz, 13-09, 0510 UTC: 86178 74656 85208 54286 86852 49082 79578 39421 81779 14177
 54986 44742 39188 30009 46279 47921 39260 88759 60655 28410
 47855 20746 82070 15211 16985 75248 13965 36641 51766 41489
 71990 91548 92180 81974 45091 65481 15725 74969 16339 33804
 28860 40056 26259 08816 68660 63470 69884 41004 74236 02736
 37944 29683 61404 61025 72225 26319
 000 000

12223 kHz, 19-09, 1700 UTC: E07 201 1 647 109
 11062 kHz, 19-09, 1720 UTC: 22630 13947 15556 03783 39103 43929 66907 09916 08186 32507
 10116 kHz, 19-09, 1740 UTC: 23952 99318 84733 81645 01334 84009 63360 21229 05931 57618
 90542 18697 53244 50065 04421 77051 13497 04808 30958 67249
 86856 05861 74746 24410 53745 77572 69643 56937 53454 37008
 42121 84982 56948 28712 01122 08767 20527 22346 04658 31330
 82822 42247 41548 43868 20081 09945 78804 72567 07890 09848
 59194 37171 01678 22343 39241 96232 89823 13746 92748 18486
 60952 23150 38933 80985 60726 15482 12543 91910 69854 79004
 01586 85295 65577 23912 64875 48664 65407 36460 10476 96284
 45814 82398 36715 97529 36235 61472 38734 89048 20809 47605
 76250 80583 37428 15269 31570 90588 24387 09992 95753
 000 000

12223 kHz, 30-09, 1700 UTC: E07 201 1 736 120 736 120
 11062 kHz, 30-09, 1720 UTC: 50036 88127 15085 76371 98761 54390 93395 69610 43696 06438
 10116 kHz, 30-09, 1740 UTC: 88651 04762 51156 22402 87969 04821 24337 79077 10231 64370
 14790 15134 14919 57478 19408 47997 62346 16640 90235 25571
 82548 86140 90463 83765 50609 94970 68012 18043 58025 89203
 46192 64117 00468 13529 68446 63465 35236 98792 16648 22659
 92210 01741 79659 15644 65270 42991 36543 84821 47416 86892
 28938 10146 65437 54766 10078 21933 96292 20112 15982 04215
 79983 54698 25349 46749 37462 31138 58444 29502 51107 95313
 38899 48700 27118 78288 59452 62964 27123 75032 08245 12090
 24107 52183 29539 86343 14916 77237 15100 94391 24307 22459
 43515 65841 41851 15183 98841 98500 06540 46584 42213 99583
 13102 39708 61636 47954 05452 85474 49671 95990 22913 59097
 000 000



E11/ E11a / E11c

6814 kHz, 03-09, 0820 UTC: 438/00
 10690 kHz, 03-09, 0830 UTC: 649/00
 9399 kHz, 03-09, 0900 UTC: 534/00

5194 kHz, 07-09, 1710 UTC: 953/20
 Attention
 69194 33762 63138 27959 37144 87781 41850 80471 24018 13166
 60477 59809 93429 82279 10037 38986 02750 90877 41921 05399
 Attention, repeat message, out

13424 kHz, 11-09, 1045 UTC: 577/30 Attention
 77273 14820 99769 09410 88904 19693 59925 61550 45443 08649
 68741 57834 76503 61315 29774 83214 14189 09822 67419 23086
 51165 53977 18968 62274 34443 51360 65598 84438 46254 86520
 Attention, msg rptd, out

15915 kHz, 16-09, 1540 UTC: 226/00
 6814 kHz, 17-09, 0820 UTC: 438/37
 10690 kHz, 17-09, 0830 UTC: 649/00
 13424 kHz, 18-09, 1045 UTC: 576/00
 14575 kHz, 20-09, 0745 UTC: 335/00

6814 kHz, 20-09, 0820 UTC: 438/37 Attention
 69127 82538 47829 75943 94570 44055 68202 47161 20231 69423
 53725 75331 93122 58224 04328 69534 43114 60977 89958 57982
 94513 32218 52283 51688 18709 47981 10020 06111 59553 04575
 68652 89201 68059 53472 18835 17850 27636
 Attention, rpt msg, out

15915 kHz, 20-09, 1155 UTC: 710/37 Attention
 18844 62046 43054 76051 51675 39849 33603 11560 37739 84106
 52539 65567 75602 99362 04780 51060 27147 41902 44372 02328
 29228 57526 48066 42331 60994 63005 74660 12767 04711 43260
 87824 87406 47254 05920 73698 15774 88748
 Attention, msg rptd, out

7863 kHz, 20-09, 1925 UTC: 758/0000/00

6304 kHz, 24-09, 0450 UTC: 416/34 Attention
 26313 28537 28992 36283 62331 18587 48122 33543 10035 93791
 85622 67623 84617 07545 30694 12665 73488 87278 70939 70091
 44683 01841 20648 51431 73774 77691 67982 86239 14003 13156
 54653 00691 20553 59166
 Attention, msg rptd, out

10690 kHz, 24-09, 0830 UTC: 647/34 Attention
 56320 59381 84640 17515 73755 94036 63257 78127 22897 26649
 86269 91096 17372 32293 29239 74896 60196 43480 74642 77200
 62406 98567 98518 52195 34944 61758 82083 98502 69610 10137
 54003 31890 51994 40281
 Attention, msg rptd, out

7863 kHz, 25-09, 2000 UTC: 757/1200/00

7449 kHz, 25-09, 1045 UTC: 464/33 Attention
 7449 kHz, 22-09, 1045 UTC: 96563 84413 25332 09573 08924 66168 89733 90564 52269 00873
 76578 76758 47871 59864 44330 60259 09613 42040 86502 13037
 67513 76490 77872 52773 71347 47946 82335 61426 45702 07527
 51233 12102 60169
 Attention, msg rptd,out

13424 kHz, 25-09, 1045 UTC: 576/00
 7449 kHz, 25-09, 1045 UTC: 464/33
 7863 kHz, 27-09, 1925 UTC: 758/0000/00
 15915 kHz, 30-09, 1543 UTC: 228/00



E17z

14260 kHz, 06-09, 0800 UTC: 674 908 5 31866 33823 41200 46641 32710 908 5 00000
 12930 kHz, 06-09, 0810 UTC: 674 908 5 31866 33823 41200 46641 32710 908 5 00000
 14260 kHz, 13-09, 0800 UTC: 674 908 5 31866 33823 41200 46641 32710 908 5 00000
 12930 kHz, 13-09, 0810 UTC: 674 908 5 31866 33823 41200 46641 32710 908 5 00000
 14260 kHz, 20-09, 0800 UTC: 674 901 5 31353 56760 59797 42121 34308 901 5 00000
 14260 kHz, 20-09, 0800 UTC: 674 901 5 31353 56760 59797 42121 34308 901 5 00000
 14260 kHz, 27-09, 0800 UTC: 674 901 5 31353 56760 59797 42121 34308 901 5 00000
 12930 kHz, 27-09, 0810 UTC: 674 901 5 31353 56760 59797 42121 34308 901 5 00000



E25

Unfortunately we received only one log

9450 kHz, 26-09, 1313 UTC: No actual message sent. Errors during transmission.



EV01

This unit station is apparently still alive. DFs point towards the Ukraine. More info and DF results are very welcome.

17700 kHz, 29-09, 0700 UTC
 17700 kHz, 29-09, 0645 UTC
 17700 kHz, 30-09, 0700 UTC
 10700 kHz, 30-09, 1435 UTC



G06

4599 kHz, 03-09, 1713 UTC: Test count
 4639 kHz, 03-09, 1713 UTC: Test count
 6774 kHz, 03-09, 0803 UTC: 215 215 215 00000

 5442 kHz, 14-09, 1930 UTC: 947 916 15
 91572 71026 91425 61732 29165 21738 25179 62819 51828 15279
 72819 21829 31728 91025 32819
 916 15 00000

 6774 kHz, 17-09, 0800 UTC: 215 215 215 00000



G11

5815 kHz, 02-09, 1755 UTC: 270/00

6433 kHz, 02-09, 2000 UTC: 262/00

5815 kHz, 15-09, 1325 UTC: 299/00

6433 kHz, 23-09, 2000 UTC: 565/00

5815 kHz, 25-09, 1755 UTC: 270/00

6869 kHz, 28-09, 2000 UTC: 576/00

5815 kHz, 29-09, 1325 UTC: 599/00

5815 kHz, 30-09, 1755 UTC: 560/00

6433 kHz, 30-09, 2000 UTC: 560/36

5815 kHz, 18-09, 1755 UTC:

278/33 Achtung

64021 40288 06841 19620 50537 12395 67291 50053 11067 77663

17922 03639 25947 69412 29126 59195 72297 91762 09958 31093

48429 78658 60778 43274 33812 96706 17837 78495 57523 08832

93881 02607 63901

Ende

6433 kHz, 28-09, 2000 UTC:

264/36 Achtung

49118 79072 74675 93094 29018 54047 17056 88210 80307 90654

03700 53596 47307 12876 83059 90894 50668 61159 42790 91358

26552 25926 51131 67759 39962 53613 30096 16506 89529 94708

06630 32638 47705 14384 52990 08798

Ende



S06/ S06s

11560 kHz, 04-09, 0800 UTC: S06 427 427 427 00000

7612 kHz, 08-09, 1607 UTC: S06 134 134 134 00000

4958 kHz, 08-09, 1935 UTC: S06s 843 205 37

04837 92268 47867 69457 16212 50642 46190 98979 46467 37976

96626 42798 56980 11603 44688 57069 35512 08085 34008 13628

57025 32779 81695 27966 52722 08468 11256 56170 25503 14407

65605 13854 95928 39112 73693 35902 49079

205 37 00000

4985 kHz, 15-09, 1935 UTC: S06 843 205 37

04837 92268 47867 69453 16212 50642 46190 98976 46467 37976

96626 42798 56980 11603 44688 57069 38512 08085 34008 13628

57025 32779 81695 27966 52720 08468 ***** 56170 25703 14407

65605 13854 95928 39112 73693 35902 49079

205 37 00000

* = Not Heard.

11560 kHz, 18-09, 0800 UTC: S06 427 427 427 00000

5784 kHz, 20-09, 1900 UTC: S06 349 349 349 00000

7612 kHz, 22-09, 1607 UTC: S06 134 134 134 00000

5127 kHz, 27-09, 1905 UTC: S06 349 349 349 00000

Short S06s messages

Freq.	UTC	Date	Message
11460	1210	03-09	831 952 6 20163 29076 56605 45562 52563 31067 952 6 00000
11460	1210	03-09	831 952 6 20163 29076 56605 45562 52563 31067 952 6 00000
10420	0810	04-09	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000
11635	0800	04-09	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000
7340	1010	04-09	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000
6410	1000	04-09	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000
7340	1010	04-09	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000
6410	1000	04-09	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000
12170	0540	05-09	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000
10835	0530	05-09	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000
9255	0830	05-09	471 206 5 71826 09876 45261 34489 98012 206 5 00000
7605	0820	05-09	471 206 5 71826 09876 45261 34489 98012 206 5 00000
13365	1000	05-09	729 816 5 67438 23990 78921 78960 34250 816 5 00000
14505	1010	05-09	729 816 5 67438 23990 78921 78960 34250 816 5 00000
7335	0730	05-09	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000
11830	0740	05-09	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000
13565	0910	06-09	167 280 5 42812 30239 44448 31828 81357 280 5 00000
12952	0900	06-09	167 280 5 42812 30239 44448 31828 81357 280 5 00000
12170	0540	11-09	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000
10835	0530	11-09	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000
11635	0800	11-09	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000
10420	0810	11-09	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000
6410	1000	11-09	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000
7340	1010	11-09	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000
6410	1000	11-09	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000
7340	1010	11-09	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000
7605	0820	12-09	471 206 5 71826 09876 45261 34489 98012 206 5 00000
9255	0830	12-09	471 206 5 71826 09876 45261 34489 98012 206 5 00000
13365	1000	12-09	729 816 5 67438 23990 78921 78960 34250 816 5 00000
14505	1010	12-09	729 816 5 67438 23990 78921 78960 34250 816 5 00000
11830	0740	12-09	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000
7335	0730	12-09	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000
12952	0900	13-09	167 280 5 42812 30239 44448 31828 81357 280 5 00000
13565	0910	13-09	167 280 5 42812 30239 44448 31828 81357 280 5 00000
14080	0600	18-09	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000
12355	0610	18-09	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000
11635	0800	18-09	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000
10420	0810	18-09	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000
7605	0820	19-09	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000
9255	0830	19-09	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000
13365	1000	19-09	729 461 5 66479 59017 80729 45123 36551 461 5 00000
14505	1010	19-09	729 461 5 66479 59017 80729 45123 36551 461 5 00000
8105	1240	19-09	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000
7620	1230	19-09	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000
13565	0910	20-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
12952	0900	20-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
12952	0900	20-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
8650	0930	20-09	314 906 5 44724 42890 37123 41370 34941 906 5 00000
7385	0940	20-09	314 906 5 44724 42890 37123 41370 34941 906 5 00000
12415	1200	20-09	425 908 6 87655 59229 96394 94894 32548 35035 908 6 00000
14212	1210	20-09	425 908 6 87655 59229 96394 94894 32548 35035 908 6 00000

11460	1210	20-09	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000
9145	1200	20-09	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000
13565	0910	20-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
5470	0610	21-09	934 512 6 89115 42828 16832 98425 25482 81264 512 6 00000
14080	0600	25-09	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000
12355	0610	25-09	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000
10420	0810	25-09	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000
11635	0800	25-09	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000
7340	1010	25-09	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000
7605	0820	26-09	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000
9255	0830	26-09	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000
14505	1010	26-09	729 461 5 66479 59017 80729 45123 36551 461 5 00000
13365	1000	26-09	729 461 5 66479 59017 80729 45123 36551 461 5 00000
7620	1230	26-09	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000
8105	1240	26-09	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000
13565	0910	27-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
12952	0900	27-09	167 903 5 33906 82691 34399 47404 41909 903 5 00000
7385	0940	27-09	314 906 5 44724 42890 37123 41370 34941 906 5 00000
8650	0930	27-09	314 906 5 44724 42890 37123 41370 34941 906 5 00000
9145	1200	27-09	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000
11460	1210	27-09	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000



S11a

9960 kHz, 25-09, 1020 UTC: 426/00
5815 kHz, 26-09, 1020 UTC: 221/00
7317 kHz, 28-09, 0915 UTC: 484/00
5815 kHz, 29-09, 1020 UTC: 331/00



S21

4854 kHz, 25-09, 1842 UTC: 454 794 794 30 30 87455 64099 ... 90656 794 794 30 30 000



S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

03-09, 0517 UTC:	MDZhB SKAZANIYe 66 77
03-09, 0700 UTC:	MDZhB 46 691 UGLERODNYJ 28 15 38 28
03-09, 0705 UTC:	MDZhB 07 520 YaGEL' 58 28 84 99
03-09, 0710 UTC:	MDZhB 93 551 UGLERODNYJ 28 15 38 28
03-09, 0714 UTC:	MDZhB 64 075 YeGYeLON 45 74 18 67
03-09, 1330 UTC:	MDZhB 82 337 AGATU 78 87 78 40 OVChYeTINA 43 78 09 41
04-09, 0658 UTC:	MDZhB SKAZATYeL' 97 20
06-09, 0500 UTC:	MDZhB YuKAGIR 19 14
06-09, 1056 UTC:	MDZhB 09 490 DVOPEK 83 50 10 85 AVO 72 28 46 85
07-09, 0400 UTC:	MDZhB OROBELYJ 55 03
07-09, 0757 UTC:	MDZhB ARKTUR 20 76
08-09, 1201 UTC:	MDZhB PRIMO'E 60 74
08-09, 1430 UTC:	MDZhB KhIshchYeNIE 23 32 TRIFOMA 50 74
10-09, 1336 UTC:	MDZhB 86 619 YaVLENIYe 45 21 00 65 SVITKA 65 06 50 58 repeat MDZhB MDZhB and off repeat MDZhB 86 619 YaVLENIYe 45 21 00 65 SVITKA 65 06 50 58
10-09, 1342 UTC:	MDZhB 52 743 KVINOKAIN 80 22 73 22
12-09, 1243 UTC:	MDZhB 89 653 TVIN 60 42 84 54
12-09, 1247 UTC:	MDZhB 62 347 UVIDENNYJ 06 05 96 83
12-09, 1248 UTC:	MDZhB 53 153 KVIVET 12 64 44 84
16-09, 1128 UTC:	MDZhB 71 557 AVANSOVYJ 30 29 20 09
16-09, 1137 UTC:	MDZhB 94 681 EVANGELIST 28 21 06 48
16-09, 1140 UTC:	MDZhB 49 831 AVATN sboj sboj sboj (error) MDZhB 49 831 AVANTYurIST 88 51 82 22
16-09, 1258 UTC:	MDZhB 39 254 KVADRATOR 24 77 40 31
21-09, 0530 UTC:	94ZhT KhN8S SL5G 52 561 69 155 91 653 VITIE 08 13 50 61
23-09, 1849 UTC:	94ZhT KhN8S SL5G 03 273 49 930 64 128 PICHIK 54 51 89 53
24-09, 1150 UTC:	MDZhB 91 676 OBRYeDKA 71 ?6 06 61 SBODRYGA 17 50 09 13
24-09, 1200 UTC:	MDZhB 73 626 OBL0M 66 90 11 33
24-09, 1334 UTC:	MDZhB 46 473 OBZHIMOChNYJ 63 12 05 44 (see also M32)
24-09, 1349 UTC:	MDZhB 81 640 OBEZ'YANNIK 55 91 29 70
26-09, 1145 UTC:	MDZhB 26 563 BASHMACHNIK 36 67 09 22

Other activities:

- 03-09, 0620 UTC: S28 with feed back on the same channel (recording on the N&O website)
- 04-09, 0823 UTC: Mic open. Male voice saying "hallo", female answers (unreadable)
- 05-09, 1336 UTC: The old buzzer is back. The new buzzer started on 31 Aug. and stopped on 5 Sept. at 1336 UTC and after 8 minutes silence the old buzzer returned to the air at 1344 UTC.



S6930

Frequency: 6930 kHz
Mode: USB voice

6930 kHz, 17-09, 1800 UTC: Katok-65 37 535 ANKOR 67 98 06 04 Priyom



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

Frequency: various
Mode: USB voice

4760 kHz, 19-09, 1957 UTC: Russian Mil: "Purga" wkg "Raketa". Only "Purga" is heard.
 4638.5 kHz, 20-09, 2332 UTC: Russian Mil: Fagot-67
 5620 kHz, 21-09, 1708 UTC: Russian Mil: Palata-37, ya Gorets-86, priyom
 4494 kHz, 21-09, 1659 UTC: Russian Mil: Grafit-71, ya Faza-31, priyom
 6880 kHz, 24-09, 1347 UTC: Russian Mil. in progress "..IMA 44 71 35 13, priyom"
 4960 kHz, 24-09, 1912 UTC: Russian Mil. "Lider-57 ya Abazhur-02, priyom"
 4562 kHz, 24-09, various times: Russian Mil. c/s "Raketa-42" and "Obryv-61"
 10273 kHz, 25-09, 1714 UTC: Russian Mil. "Pion-40", "Parket-38", "Spitsa-39", "Rebus-01"
 4508 kHz, 25-09, 1937 UTC: Russian Mil.
 4709 kHz, 25-09, 1956 UTC: Russian Mil. c/s "Neytron", "Vesy", "Kol'chuga", "Morekhod", "Negatic", "Dolgota". "Latyn"
 3331 kHz, 27-09, 1910 UTC: Russian Mil. c/s "Rotor-86", "Kornet-66"
 3324 kHz, 27-09, 1750 UTC: Russian Mil. A man reads a report about the results of the military training in the unit "Rota" (approx 100 people)



RADv - Russian Air Defense

Frequency: various
Mode: USB voice

4074 kHz, 05-09, 1912 UTC: "34-y". "84-ya 155 na 45"
 4082 kHz, 28-08, 1900 UTC: PVO; Flora-60 wkg Tropic-35 (recording on the N&O website)
 Flora-60: Tropic-35, I am Flora-60. How can you read me? Over
 Tropic-35: I can hear you to 4 points. I communicate.
 Flora-60: I am Flora-60. Air. 80 50 in 651st. 35 in 84th, 71 110 during 56. I am Flora-60. Over

Notes:

80, 50, 35, 71, 110 are target numbers;
 651, 84 indicate the numbers of the space areas;
 56 is the time



UADv - Ukrainian Air Defense

Frequency: various
Mode: USB/LSB voice

4586 kHz, 25-09, 2030 UTC: Ukrainian Air Defense. "Chitka" wkg several stations



V13 - New Star Broadcasting Station
星星廣播電台 Xīngxīng guǎngbò diàntái

Station #3 has daily transmissions on 9276 kHz at 0700 and 0800 UTC.

Station #4 has daily transmissions on 11430 kHz at 0500, 0600, 1200 and 1300 UTC.



V26

Not often reported but still alive:

9153 kHz, 13-09, 1356 UTC

7553 kHz, 13-09, 1356 UTC



VC01 - Chinese Robot
Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

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

Frequencies used in September: 5330 kHz USB and 5592 kHz LSB.

5330 kHz, 09-09, 1310 UTC

5592 kHz, 09-09, 1311 UTC

5592 kHz, 11-09, 1900 UTC

5330 kHz, 11-09, 1902 UTC

5330 kHz, 13-09, 1647 UTC

5330 kHz, 14-09, 1755 UTC

5592 kHz, 15-09, 0558 UTC, 0920 UTC, 1701 UTC

5330 kHz, 15-09, 1704 UTC, 1753 UTC

5992 kHz, 17-09, 1539 UTC, 1634 UTC

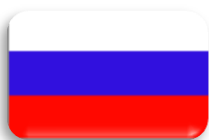
5592 kHz, 19-09, 1404 UTC

5330 kHz, 19-09, 1404 UTC

5330 kHz, 29-09, 1212 UTC, 1315 UTC, 1424 UTC, 1708 UTC

5592 kHz, 29-09, 1310 UTC

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 on 6928, 7029 kHz

10872 kHz, 28-09, 1811 UTC: Defective beacon repeats "c u k k r"

10872 kHz, 29-09, 0734 UTC: Defective beacon repeats "c u k k r"

Current cluster frequencies:

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

Other frequencies:

L – 6917.5, 7039.2, 8497.8 kHz

V – 3658, 4150, 6809, 6928, 7027.5 kHz

R – 5466 kHz (seldom reported these days)

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan



M01

3515 kHz, 07-09, 0254 UTC: 322 322 322 30734 30734 and switching at 0255 to 322 322 322 31544 31544. The last message was sent 6 times and then the station shut down without any special end message or prosign.

Transcript of 6261 kHz, 29-09, 1500 UTC:

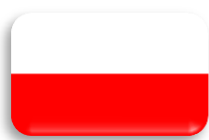
463 463 463 6t3 6t3 3t 3t = =

32174 32174 49253 49253 77624 77624 56859 56859 61587 61587 1t131 1t131 91167 91167 48393 48393 3829t

3829t 67t56 67t56 t7143 t7143 51772 51772 48267 48267 55456 55456 95859 95859 ????? ????? t6946 t6956

17872 17872 96884 96884 92232 92232 tt588 tt588 73462 73462 561t6 561t6 631t4 631t4 8t354 8t354 11573

11573 51tt7 51tt7 67148 67148 ????? ????? t7592 t7592 2t769 2t769 = = 63t 63t 3t 3t t t t



M03

13911 kHz, 02-09, 1420 UTC: 879/00 = = 000

6977 kHz, 15-09, 1535 UTC: 798/00 = = 000

9150 kHz, 20-09, 1115 UTC: 650/00 = = 000 (1109 UTC: "VVV")

9150 kHz, 20-09, 1320 UTC: 437/00 = = 000

6977 kHz, 22-09, 1535 UTC: 798/00 = = 000

9150 kHz, 23-09, 1320 UTC: 437/00 = = 000

6977 kHz, 29-09, 1535 UTC: 798/00 = = 000

9150 kHz, 30-09, 1320 UTC: 437/00 = = 000



M08a

Dirección General de Inteligencia

Gary joined UDXF and was looking for information about M08a. Several replies followed. Mark Slaten mailed a detailed reply that explains the format and behavior of the station. Below is Mark's mail:

Here is the basic format of an M08 sked:

AAAAA BBBBBB CCCCC (Three five figure callups repeated for about 3 minutes. I do not know exactly what each number means. They could be message numbers, agent addresses, priority designators or other things known only to the Cubans). Like I said in my last email, before the change of format in 2005, the last number of each address appeared to be the number of days the message was repeated. They used to repeat a message about three days. That format is no longer present, so I don't know what any of the numbers mean now. Maybe someone out there might have other ideas to share. The group counts are also no longer used.

```
AAAAA    (First addressee called)
BT BT BT  (Message to begin)
.....   (150 five figure groups are now sent)
AR AR AR  (End of message)
BBBBB     (Second Addressee called)
BT BT BT  (Message to begin)
.....   (150 five figure groups are now sent)
AR AR AR  (End of message)
CCCCC     (Third addressee called)
BT BT BT  (Message to begin)
.....   (150 five figure groups are now sent)
AR AR AR  (End of message)
SK SK SK  (End of sked)
```

Total length of sked is about 38-40 minutes. The sked is usually repeated again the next hour, but mostly on another freq. In Enigma2000 you will see this designated by PRIMARY and SECONDARY sked.

Continue to use the charts in the Enigma2000 newsletter. I try to keep them up to date using any information collected by myself and others. Unfortunately, my computer decided to meltdown a couple of months ago and I am still trying to recover from that catastrophe.

As you have noted, the Cubans are not too concerned with their broadcast protocol. They are late, they are early. Sometime a V02 or SK01 sked appears during an M08 time slot. Or vice versa. Sometimes you can hear voices or birds in the background. You might find a sked not up on its normal freq, but if you look at the previous hours freq he is broadcasting there. Obviously he forgot to change freqs on his transmitter. When they are up late, they usually come in with the message already in progress, like they turned the tape on in time, but forgot to turn the transmitter on. The poor agents that are supposedly receiving these transmissions must get pretty discouraged with Cuba. I guess that the Cuban authorities are not too concerned about these snafu's. Sometimes I wonder if these just are training sessions, but then again, legitimate traffic has been intercepted.

I have written some short papers on the Cubans and they were published in the Enigma2000 newsletter. But I lost all my copy in the great PC meltdown.



M12

A lot of logs, mainly from Fritz can be found in the Logs Section. Below a transcript of one of the transmissions.

7931 kHz, 24-09, 1720 UTC:

257 1 9166 76
 07628 51904 87244 33628 05750 39517 60275 76745 18433 64936
 91687 63372 11906 07612 21831 74539 28442 01041 50304 43070
 45401 85321 32333 35932 29962 45946 62179 82491 33966 56017
 14900 02834 50348 21715 19150 23717 34789 75866 06748 55605
 75919 24080 45170 74921 84894 53784 64766 00830 82830 52774
 64594 99392 59496 44867 08759 75166 50211 80596 50172 15688
 55965 46863 21610 07330 08792 91611 27317 92929 39519 43524
 85112 95421 64365 26323 04813 86936
 000 000

Oddity:

15926/13926/12126 kHz, 30-09, 1830/1850/1910 UTC: 991 1 615 203 71453

Note: 1830 UTC transmission stops at 1840 UTC, call and message repeated. Skeds of 1850 UTC and 1910 UTC lasted 13 min. I therefore suspect first transmission was not sent at its full length. (Fritz)



M14

5945 kHz, 11-09, 1820 UTC: 346 250 250 15 15 = =
 52819 71035 26189 42619 52719 72839 52671 02617 32819 63728
 38193 62810 46381 72854 93627 = =
 250 250 15 15 00000

5947 kHz, 25-09, 1820 UTC: 346 250 250 15 15 = =
 52819 71035 26189 42619 52819 72839 52671 02617 32819 63728
 38193 62810 46381 72854 93627 = =
 250 250 15 15 00000



M18

3883 kHz, 02-09, 1829 UTC: 2230 2230 2230 ...
 3883 kHz, 03-09, 1723 UTC: 2326 2326 2326
 3883 kHz, 03-09, 1723 UTC: 0317 0317 0318 etc
 3883 kHz, 07-09, 1732 UTC: 0032 0032 0033 etc



M21 / M21a
Russian Air Defence Forces
Бойска ПВО Voyska PVO

Id "0": 4391, 5201 kHz

Id "9": 5198 kHz

For voice transmissions see RADv section.



M23

9218 kHz, 02-09, 1955 UTC: 579 repeated

5345 kHz, 21-09, 1811 UTC: 842 842 842 0



M32
Russian/CIS/Ukrainian
Military CW Stations

6958 kHz, 08-09, 1530 UTC: Tentative CIS Mil. CZQ7M many 5LG msg's to QNZO
5374.5 kHz, 31-08, 0408 UTC: BOOS: CIS military "DVHO DE BOOS QSA3"
5415.2 kHz, 31-08, 0407 UTC: WNHD: CIS military "X8WM DE WNHD QRJ4"
13174 kHz, 08-09, 0652 UTC: JA9Y: Russian military "FP1M DE JA9Y QTC 906 63 8 1045 906 = ZBL 624 ="
14440 kHz, 08-09, 0702 UTC: 2UZ7: Russian military "IGLM DE 2UZ7 ZRQ ZUO ZKK QYT6"
3826 kHz, 03-09, 2116 UTC: CIS Mil. ZFYB
5083 kHz, 05-09, 0517 UTC: CIS Mil. SUIX
17454 kHz, 06-09, 0658 UTC: CIS Mil. PECM clg WINK
14440 kHz, 09-09, 1217 UTC: Russian Mil. "mgx3 mgx3 mgx3 de 2uz7 2uz7 qta 247 k. krao krao krao de 2uz7 2uz7 qta 247 k
9144 kHz, 08-09, 1920 UTC: Russian Mil. "tmk qyt9"
4557 kHz, 24-09, 1337 UTC: XXX XXX MDZhB MDZhB 46 473 OBVIMONYJ 6312 0544 (see also S28)
16112 kHz, 16-09, 1239 UTC: XXX RGT77 RGT77 84868 19450 IEG HELXE 7106 8324 K
16112 kHz, 16-09, 1240 UTC: U U XXX XXX WEGI WEGI 34358 62525 BEL EM982 7478 K
16112 kHz, 16-09, 1241 UTC: XXX XXX WEGI WEGI 34358 62525 BEL 1982 7478 K
16112 kHz, 16-09, 1253 UTC: XXX XXX in cw followed by encrypted messages
16112 kHz, 16-09, 1312 UTC: XX XXX RDL RDL 66758 03456 GILIÄ 1742 1368 K
10338 kHz, 25-09, 1716 UTC: Russian Mil. c/s RIR2



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

8345 kHz

11-09, 1810 UTC: RKB91: Russian Navy qtc to rmp rkb91 713 16 11 2200 713 = sml for rjh45 rjd38 = 11181 99576 10111 41698 62910 10100 40035 52020 70202 8//// 22200 00150 11012 = + rkb91 k

11-09, 1805 UTC: RMUW: Russian Navy qtc to rcv rmuw 848 17 11 2200 848 = sml for rje73 rjh45 = 11181 99368 10130 41998 52005 10250 40150 56001 70200 85001 22232 00250 20201 11013 = + rmuw k

11-09, 2110 UTC: RBES Russian Navy qtc to rmp rbes 7 15 12 0100 857 = sml for rjh45 rjd38 = 11221 99573 10082 43/98 22713 10280 40040 57100 72156 828// 22213 12011 = + rbes k

11-09, 2215 UTC: RMUW: Russian Navy qtc to rcv rmuw 286 116 12 0200 286 = sml fm rmde = 11111 24308 07546 84732

14-09, 0605 UTC: RKB91: Russian Navy qtc to rmp rkb91 248 16 14 1000 248 = sml for rjh45 rjd38 = 14061 99576 10111 41496 82213 10100 40004 57117 70202 8//// 22200 00140 14012 = + rkb91 k

14-09, 0612 UTC: RMUW: Russian Navy qtc to rcv rmuw 970 17 14 1000 970 = sml for rje73 rjh45 = 14061 99359 10215 41536 71412 10250 40050 54001 70222 87571 22222 00260 20504 14013 = + rmuw k

12464 kHz

14-09, 0755 UTC: RJQ84: Russian Navy qtc to RIT ...14 0400 234 = sml for rjh45 rjh74 = 14001 99295 70665 12597 61806 10290 40150 54000 70122 22262 00130 299// 88000 80000 14014 = + rjq84

14-09 RMUW: Russian Navy: rmuw 92748 pereplaw 5441 5568 k

14-09 RIR98: Russian Navy: riw de rir98 109 33 14 1205 109 = fm raa = 74735 44244 37815 ...

20-09, 1210 UTC: RMUW: Russian Navy: qtc to RCV rmuw 458 17 20 1600 458 = sml for rje73 rjh45 = 20121 99434 10319 41597 32004 10270 40090 54000 70200 83111 22212 00220 20201 20013 = + rmuw k

5224 kHz, 08-09, 0343 UTC: RCV: Navy Sevastopol "RIP90 DE RCV QTC 498 17 8 0103 498 =" into 5L message

7467 kHz, 31-08, 0622 UTC: RIT: Navy Severomorsk "RJP30 DE RIT"



M32b
Russian Naval Aviation
Aviatsiya Voennno-morskogo Flota Rossii

8816 kHz

11-09, 0714 UTC: 26767: Russian Naval Air Transport qtc to rjf94 qqf XLMF 0710 qbg 5800 k - qqm XLLV 0933 sk

11-09, 0750 UTC: 11605: Russian Naval Air Transport qtc to rjf94 rjc38 11605 qth 6559 3829 qtr 0747 qbg 6400 k qqm ULAA 0816 sk

14-09, 0800 UTC: 26761: Russian Naval Air Transport qtc to rjf94 rjc38 26761 qqm XLAA 0800 sk - 26761 qto 0900 qrd XLMV XLAA qre 1045 qbd 5200 - qth 6646 3750 qtr 0943 qre XLMV 1035 qbg 5500 k - qqm XLMV 1041 sk

20-09, 0715 UTC: Russian Naval Air Transport qtc to rjf94 rjc38 26760 qqf XLMF 0715 qbg 5800 - qqf ULPE 0820 QBD 3400 qre XLMF 1050

20-09, 0728 UTC: 11605: Russian Naval Air Transport qtc to rjf94 rjc38 11605 qto 0721 qrd XLMV XRRC qre 1231 qbd 21000 - qth 6551 3356 qtr 0821 qbg 7000 - qay XLPB 0917 qbg 6400 - qth 5249 3847 qtr 1120 qbg 7000 qbd 11700 - qqm XRRC 1253 sk

20-09, 0805 UTC: 26760: Russian Naval Air Transport qtc to rjf94 rjc38 26760 qto 0755 qrd XRRC XLWF qre 1155 qbd 5400 - qth 5706 3743 qtr 0845 qbg 6100 - qth 5345 3830 qtr 0942 qbg 6400 qbd 3500 - qqf XUOI 1043 qre XRRC 1145 qbd 2600

20-09, 0820 UTC: 40841: Russian Naval Air Transport qtc to rcb rjf94 qto 0810 qrd XLLV XMWB qah 8200 qbd 0500 k - qth 5933 1310 qtr 0900 qah 8200 qal XLLV 0945 qbd 0400

20-09, 0903 UTC: 74455: Russian Naval Air Transport qtc to rjf94 rjc38 74455 qto 0845 qrd XLLV XMWB qah 5100 qbd 0500

22-09, 1410 UTC: 26760: Rus Naval Air Transport qtc to rjf94 rjc38- qto 1403 qrd XLPB XLWF qre 1510 qbd 5400 - qth 61003601 qtr 1446 qbg 4250 qre XLPB 1515 - qqm XLPB 1515 sk

22-09, 0930 UTC: 26760: Russian Naval Air Transport qtc to rjf94 rjc38 - qto 0921 qrd XLWF XRKE qre 1320 qbd 56000 - qth 4932 4028 qtr 1020 qbg 6100 - qqm XLWF 1300 sk

21-09, 1445 UTC: 74455: Russian Naval Air Transport qtc to rjf94 rcb qto 1440 qrd XMWB XLLV qah 5500 qbd 0500 - qah 5500 qbd 0400 qal XMWB 1745 - qah 5500 qbd 0300 qal XMWB 1740 - qqm XMWB 1740 sk

21-09, 0802 UTC: 26760: Russian Naval Air Transport qtc to rjf94 rjc38 - qto 0755 qrd XRRC XLWF qre 1155 qbd 5400 - qth 5706 3743 qtr 0845 qbg 6100 - qth 5345 3830 qtr 0942 qbg 6400 qbd 3500 - qql XUOI 1043 qre XRRC 1145 qbd 2600

21-09, 0820 UTC: 45841: Russian Naval Air Transport qtc to rjf94 rcb - qto 0810 qrd XLLV XMWB qah 8200 qbd 0500 - qth 5933 2310 qtr 0900 qah 8200 qal XLLV 0945 qbd 0400

21-09, 0855 UTC: 74455: Russian Naval Air Transport qtc to rjf94 rcb - qto 0845 qrd XLLV XMWB qah 5100 qbd 0500 - qah 5100 qbd 0400 qal XLLV 1051 - qqm XLLV 1058 sk

21-09, 0903 UTC: 74455: Russian Naval Air Transport qtc to rjf94 rjc38 74455 qto 0845 qrd XLLV XMWB qah 5100 qbd 0500

21-09, 0820 UTC: 40841: Russian Naval Air Transport qtc to rcb rjf94 qto 0810 qrd XLLV XMWB qah 8200 qbd 0500 k - qth 5933 1310 qtr 0900 qah 8200 qal XLLV 0945 qbd 0400

21-09, 0805 UTC: 26760: Russian Naval Air Transport qtc to rjf94 rjc38 26760 qto 0755 qrd XRRC XLWF qre 1155 qbd 5400 - qth 5706 3743 qtr 0845 qbg 6100 - qth 5345 3830 qtr 0942 qbg 6400 qbd 3500 - qql XUOI 1043 qre XRRC 1145 qbd 2600



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

8162 kHz

A station, possibly connected to "Tu-95 Bear" flights was logged by several dxers, including Q, Wolfgang and Tom.

11-09, 1039 UTC: 4asu 4asu qrv k. vvv vvvv k. wwwwwwwwwwwwwwwwwwwwwwww. de 4asu 4asu = 625 135 k ck...677 t89 773 741 qtc? k. .38 526 247 267 7t8 977 374 11t c? k...4t9 158 642 c?k...4asu qrv k...9t5 t8t 111 634 154 697 c?k...4asu qrv k

14-09, 0840 UTC: 4ASU: Russian Air Force. String of "wwwwww"

14-09, 0920 UTC: Russian Air Force. "q1h3 q1h3 q1h3 de 4asu 4asu k" then short tfc (some letters missing due to qsb) "27_ 9__ 929 486 103 c ? k"

17-09, 0419 UTC: 4ASU: Russian Air Force "TFTQ DE 4ASU K", "W" Markers at 0420-0422Z, 0440-0442Z

17-09, 0450 UTC: "4ASU = 800 408 693 667 635 677 C ? K", 0504z "TFTQ DE 4ASU QRV K"

17-09, 0512 UTC: "4ASU = 494 240 971 120 704 556 C ? K", 0520-0522Z, 0540-0542Z "W" Markers

19-09, 1726 UTC: Unid Russian Air Force "V2IB DE QZ6Y K"

19-09, 1815 UTC: Unid Russian Air Force "QZ6Y = 953 298 194 881 499 K"

19-09, 1819 UTC: Unid Russian Air Force "QZ6Y = 701 349 K"

19-09, 1820 UTC: Unid Russian Air Force "W"-marker

19-09, 1840 UTC: Unid Russian Air Force "W"-marker

19-09, 1900 UTC: Unid Russian Air Force "W"-marker

21-09, 1708 UTC: QZ6Y, Unid Russian Air Force: NKG6 DE QZ6Y = 727 564 164 469 112 K

21-09, 1500 UTC: Unid Russian Air Force: "N"-marker

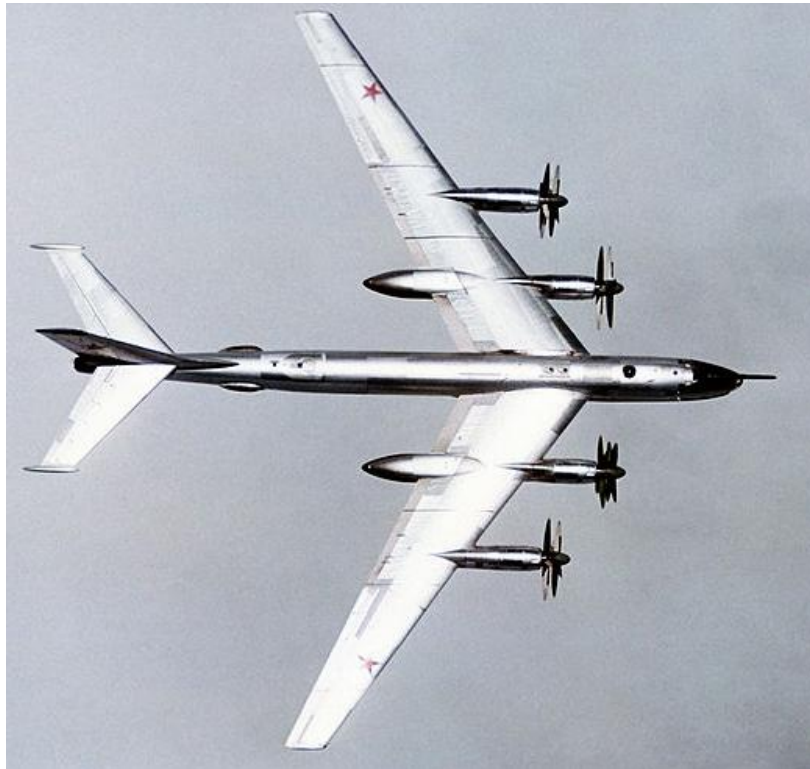
21-09, 1506 UTC: QZ6Y, Unid Russian Air Force: NKG6 DE QZ6Y = 219 900 164 086 723 K

21-09, 1720 UTC: Unid Russian Air Force: "W"-marker

25-09, 1820 UTC: Russian Military "W"-Marker. Followed by marker on 8162 kHz. Both off at 1822 UTC
27-09, 1210 UTC: 4ASU, Unid Russian Air Force "P8TU DE 4ASU K"
27-09, 1100 UTC: "W"-marker

5835 kHz

21-09, 1759 UTC: w =2ej9844164763ge23k, "W"-marker, ...qz6 qrv k".
25-09, 1820 UTC: Russian Military "W"-Marker. Followed by marker on 8162 kHz. Both off at 1822 UTC



Tu-95 Bear

As a work of the U.S. federal government, the image is in the public domain.



M45

4555 kHz, 25-09, 1802 UTC: 555 794 794 30 30 = =
87455 64099 ... 90656 = =
794 794 30 30 000

4555 kHz, 27-09, 1802 UTC: 555 794 794 30 30 = =
87455 64099 34187 47081 03435 30123 17360 29289 29428
Stopped after 9th group; tx off at 1810 UTC; on again at 1811 UTC
Continued with the 18th group at 1813 UTC
91501 97965 29846 36529 44765 00242 21106 17927 97580 83463
32973 88977 90656 = =
794 794 30 30 000



M51 / FAV22
8ème Régiment de
Transmission

ENIGMA 2000 assigned a specific designator to the FAV22 transmissions: M51a

M51a are the well-known French text, 5LGs and 5FGs training messages with schedules on 3881//6285 kHz.

6824 kHz, 14-09, 2054 UTC:

NR 86 S 11 22:54:26 1984 BT

GUAVE DTDRG UQLET DTPSE VBMWZ YFXBM NOVQB GSQSU XCXGL HPUWB
 ZKOBV TWXPO KTKVS BLDHW YSQOH CZDYI POWTT NATIT HNCIJ MVTYP
 FXGNO RNXPB KVDWL TPMGE MFFZP VRDSJ ZAORI IHCUF MGOEV IJYJA
 LGYOU KZQEM XWHVX RSPYE IQQUV NFJQT XNIDL XMCCD HDZIX HPVNS
 WXMBP AETDE OTITS ADETO EZKFH QJSHV DRETY OECNN QKWPQ MLUDW
 UMRRA SXFRT YHDXW NBOPX VYYDX TREJW GCCPJ YPDTU LBTUD LQLSW
 DKDYB ENTEJ JLCST XMTRR MOVOE SIOYF FPOJL BBJCO TYWJZ LXNTO
 UEOCK GZLVF BVNFU LVKVA OHJSI CDPGT JHOEF EKIGG DPBUB QTEKX
 XUIDF JETNW AYBLO VKSNE IFTTT XUWAK HZEUK EXTYL EZAAE FTMFG
 UTTNA HIQWP NHGPS HLMET XMRWI TGLQE ZBJII EELCG HHWAU ZHRJX
 BT

6824 kHz, 14-09, 2125 UTC:

NR 01 S 11 23:25:44 1984 BT

ZQZUE HIWWN GOITS NFQMU STUIM VLXQN UGXVE EORNT NJNZF VDKVK
 DKVYA EMDON ISMWK JQBFR VEHEO KZJVN QUOCE LXTKC IEAIO TAIYE
 QJVCZ CKIWA DRHOZ DYAVM RVXRL ZFROJ XJBUN XPSEE TKEOX ETDCL
 YEVQN ASJJD KPLXK HIFJE OQLHR MYNKX MPZJA AQMQF OLFTR GQDHX
 GFTQE IZTIC PPZIK HZWVS IGARC ZWFJU FQOBM IZJCG LVEQG OGARR
 WMASP SGEKV KPMWB LQUSE UVTGE SYDGJ OMRZN CUFSL XKFIS UXREH
 AOJXZ KRUOC UYNWH QIOVP QTNIE OXKIN FJDJV XCXZE OKBRV XXEBN
 MBFGT JCSDN GLCWM NETFV QJGBJ CETYN PWGPO AUVET XRCFF YPWT
 SVEFX DLUNX YAWOI ZFJCJ TYWNI TGAZL MDICK UQSEZ MRNDN HWXFI
 FARYG XESMF HGNMX FEWUP UHWCH RDCHI LIRWT FDMCT TZSIG AYRUA
 BT



M89
Chinese military

JP tuned in to a lot of messages and chats. Good stuff, JP!! Thanks for the large amount of logs.

Stations and strings:

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

Other stations:

4047 kHz:
CM8Z (Control station)
00QX (Zero OQX), 8NOS, F1PZ, F5SU, DPU2

8014 kHz;
DNP2, F7UT, J7OX (8864), HPU3 (8799), 8IMZ (8149), OJPY, HHP5
Note: Number is bracket appears to be msg address for that station. 9049 appears to be the address of the control station DNP2.

Messages:

8014 kHz, 14-09, 0203 UTC:

VV VV OJPY K (Callsign is ZERO)
(The net control station for this net never seems to send his callsign)
DE
R R QSA 2 K
R IEC = 5816 AR K
HR NR 135 K
AGN
R R HR 7G GA K (0204z)
R R
MSG NR 16 CK 99 42 0914 1006 =
MSG NR 16 CK 99 42 0914 1006 =
== =
37UA 73D6 U3TN 463T AU5D DU35 476 UT7D TA6N TTTD
7AU5 D435 7TD5 A457 AN7A (Cont'd)
AR (0309z)
== TA6N AR
40W
== 3TDU
R
== 47U5 AR
== TN5D AR
== FM == NAME EEEEE == NA7U AR
== T3AU AR
== TND7 AR
20W TO 30W ==
T3AU NA7U U5N7 UT73 DA5N AD43 6AT4 N7A6 7356 T7AN TND7 AR
R R
H
HR 7G GA K
HR R R
MSG NR 17 CK 199 80 0914 1000 =
==
B3AU DT4T 6NTA 5DT6 3UAD 4N74 T6D4 NUDA TA6D TT44 (Cont'd)
AR (0222z)
AS AS
V K
R R R R
== 3DD4 AR
== TTT5
== TA6D ? AR
== TA6D AR
R = N43A AR
R R = 63AU AR
== = TT44 AR
== TD6A AR
P2P K22PK 9W 9W = TADU AR K (Hand sent)
WP9 W = TADU AR K (Hand sent)
R R 2P R R
== 6736 AR
== 6736 AR
== 4AT6 AR
== 6U56 AR
A R R .EEEE HR 7G GA K
R R
MSG NR 18 CK 299 75 0914 1000 =
R = =
3A37 A64D TDD7 U637 64NU 33NA 7UA6 DA35 TA65 TT33
AUN7 U575 (Cont'd)
AR
R R = = DTTA AR

5682 kHz, 03-09, 1450 UTC:

.P GAM GE (1457z)
MU..
DTBT BT U37T ..
(Two stations on same frequency)
NR 7P BT BT U37T 4763 ...
(Weaker station sending traffic)
AS AS AS AS (Stronger station)

5801 kHz, 11-09, 1247 UTC:

4605 II 46.5 LRR K. K
TK WARST..
FGG F7G DE 55GK K (Hand sent – horrible morse)
NR 5ARH6G5555 555 A5RR56G5.G DE F7G K K
H5HUV. NA5675B.. 5 5BN5 DE REEEE H5..
DE A EEEE 5RR5BG 5N RR QSA ? 45.. K
NR QS. ? R R QSA . K K R R ONIL M EEE 73
NR QSO KT .T 1 K KOT Q K1K K
H5MO (Silent 1257z)

5500 kHz, 03-09, 1841 UTC:

VV UGT COMM BT BT 7751/0310/Z32/1951 AR
VV UQ EEE UGT COMM BT 7751/0310/Z32/1951 AR

5500 kHz, 03-09, 1048 UTC:

/Z37/19. EEEEE
VV TC1 UGT COMM BT .130/0200/Z37/1951 AR
VV TC2 UGT COMM BT 7568/0300/Z37/1951 AR
VV TC2 UGT COMM BT 7568/0300/D35/1951 AR
VV TC3 7G NR 01/CCK CK 25 37 0903 0430 RMKS 1951 TO
5451/7173/7230/7202/2582/1231/7732/1268 AR
VV TC3 7G NR 01/CCK CK 25 37 0903 0430 RMKS 1951 TO
5451/7173/7230/7202/2582/1231/7732/12
EEEE RMKS 1951 TO 5451/7173/7230/ EEEEE7 EEEE RMKS EEEEE
RMKS 1951 TO 5451/7173/7230/7202/2582/1231/7732/1268 AR
VV TC4 UGT COMM BT 7126/0925/G42/1957 AR
VV TC4 UGT COMM BT 7126/0925/G42/1957 AR
VV TC5 UGT COMM BT 7386/1020/G42/1957 AR
VV TC5 UGT COMM BT 7386/1020/G42/1957 AR
VV TC6 UGT COMM BT 73 (Lost audio) 2/1957 AR
VV TC7 UGT COMM BT 7262/1540/Z32/1951 AR

5682 kHz, 04-09, 1643 UTC:

NA73 AA73 U4T5 N3N3 NUN6 756T 7AAD 5U33 55NU U346 ...AR //A
(Both stations are on this freq //A is very loud and stn //B is very weak - //A is sending to //B)

QSL...//B (Very weak – faded out)
OK OK OM OK RI //A
UNUL URL U //A (1658z)
....//B (1659z) (Silent)

5682 kHz, 08-09, 2149 UTC:

7NNU NDU7 4UA6 5A73 46T6 N474 A7T6 NDT? N633 6.4D 6DUT
ATUU UDU5 U747 45.? 45UT 46D7 AT4U 3T34 DTDN DNTA
? U564 3T75 D7NT AUND N5TU 564D 6T57 74U3 A537 5NN6
5U55 D66A 5474 D7NT AUND N5TU .64D 6T57 74U3 A537
5NN6 5U55 D66U 547T ANDN 5536 DATU 6TAA 66A3 .4T4
A57. U.4D D754 AND6 T6N6 UU4T A7NU 3TTU A73U 37T5
53A4 3TNU 7735 5537 T7N3 NNU5 57TT AN? AD45 D7NT
UNAT .4A7 T44 7.7 A557 .. P GA A5 (2136z)
2 PPA BT N5UA 73A3 U74U 7TN6 77N4 4A7N 64A7 TN75
T3UA 4N7 ? 4N76 663U 73NA A.N? UAD4 .A3D T..N 64T6
46D4 N3TU 4AD7 3433 N...
5D6T 6456 U6T5 475T 57T4 A53A N36D NAN6 NU5A

= = ADU3 AR
= = D536 AR
= = TTA4 AR
AGN
81W = = D6DU AR
= = D6DU AR
= = DT76 EE = = DT76 AR
R R = = 6T5A AR
= = 6T5A AR
= = TT33 AR
AGN
R R UGE EEEE AS
U QSY TO NR 15 NR 15 U QSY TO NR 15 NR 15 K
R R GA
U GA
AS
U 7G GA K
R GA
R RPT ..
87W
R R 84W
69W
R FM R R 49W
PN
R R 1P 1P 90W
R R R A R 72W
R R 39W
R 35W
R R 33W
R R 29W
R 2W
EEEE 2W
R OK QSL 1103 K
K
R HR 7G GA K
R
MSG NR 19 CK 199 80 0914 1000 =*
R
= = =
DATD 6AD7 434 753A 4AU6 3D76 67TA N54A T... (Cont'd)
AR
R R HR 7G GA
R R
MSG NR 20 CK 299 75 0914 1000 =*
R = = =
TAAU 465A 3U3A DUTA 6A67 U5NA N4A6 UTD5 TA65 TT3N
U676 6NN3 (Cont'd)
AR
R R R = = 757U AR
= = 76TM EEEEE = = 76T7 AR
R R 53W
= = T56A AR
= = UNDT AR
= = 3U7U AR
R R AS
U7G GA K
GA
R R 2P
21W
R R 44W 44W
50W
R 4 EEE 57W TO 79W 57W TO 79W
R R 58W
R QEEEE 80W
80W
1P 70W
70W
R 37W
R R OK QSL 1142 K
R R U99 EEEE UCK 99 GA K
120 MG K (0343z)
EEEE ? ? (0344z)
EEE SK EEEE
QTA K QTA K (0344z)
OK SK GB (
VV 5... K (Missed call sign)

U476 5D3N 63DV 3TAU 3U46 D4NT 3AR7 TD73 .AT4
.SUN .6T3 7D7U 5466 TTTT DD3A AT53 AUUN A7UA
TADA T43T TU65 6UT4 N63N 543U U6D4 36T7 34TN
37D. ? 37D7 U5U6 A3TN 6.? 66TN AA36 7A4N DUD4
D5.5 .NA53 TNA3 TU5.. DD.N 36.N U4N6 5ANU 7345
U7TA TNT5 5U53 III (2144z)
EEEE 3P GA BT BT
BT 3AUU 3U35 NNU7 33U3 75NN TUT5 3334 NNT5
3.6N NU6U UA5U N6TU 653T DNA6 3U7N 7.UD
A35U 6A6N U7DA 35DU NAUN DTDN U67N 73UA
AAN4 34T7 7T5T. NAT 7753 4U37 3354 NDTT ND33
A65N 6U33 UA35 7N67 ..DD 33N4 U7DN 5655 7NN6
37T.N AA? AA54 N5AU 7U66 .U6. 64.5 ? 6DN3 5UD3 .NDN D7AA
N..A 674T 4N6D 6357 DT77 AN6A ..T3 A4D5 4D.T 36U7 DN7N AU45
5T75 .3D5 AAUV ? U447 3DD3 7D4T 6.7. UT43 37D4 6N.A? 67A6 3DT6
44NA ? 73D 6T4N 44A4 U655 646N T44N D654 DN6N DD77 4.U6
364. AT? AU7A NU4T AA43 3T5A 6TU7 UT73 UAD6 U35U TA6N U553
T766 AR AR (2151z - Silent)

4047 kHz, 11-09, 1438 UTC:

R QSA ? K
R R AS
8NOS 8NOS DE CM8Z K
F1PZ F1PZ DE CM8Z K
R
QSA ? K
QSA ? K
R
AS DPU2 WK
R QSA ? K
R AS
HR WK NNR 340 HR WK NR 340 0OQX KK
HAS
8NOS K
F1PZ K
F1PZ K
F1PZ F1PZ DE CM8Z K
U WK SH .EEE IU W. NR GA K
R AS
F5SU K
RPT K
R AS
DPU2 K
RPT K
AS
RPT K
R AS
HR MSG GA K
K
R R MSG NR 0039 CK 299 0911 2230 =
UNN4 U546 7367 D4A3 A463
5754 NU3T 45TA 6D4A TT3U
U5D6 (Cont'd)
(Machine sent – approx 25 WPM)
AR
QSL ?
0OQX K
R SK
8NOS K
F1PZ K
R SK
F5SU K
R SK
DPU2 K
RPT K
R SK
SK (1501z silent)

8014 kHz, 11-09, 0301 UTC: lots of traffic

GA GA
R QSL 1103
U EEEE HR 7G GA

DE DE DE
H5R Z..2
R IEC = 5816 AR
R HR NR NOTK
R AS
HR 7G GA
R R
7G NR 21 CK 30 42 0914 1200
R R
MSG NR 21 CK 30 42 0914 1200 5703 =*
U4DA 7... 2PN
1W GA =
57T3 U4DA 73A6 4TUN U56T 6N47 4U57 UN35 TA6N TTT7 AD57 U3AD
5D3 – 5D34 UT73 U4N. N7AD TU73 AUN6 4AT3 A64T 53T... (Cont’d)
AR
20W = = A64T AR
= = TU73
R HR 7G GA (0409z silent. Monitored until 0430z)

8014 kHz, 16-09, 0208 UTC:

VV OJPY OJPY DE DMP2 DMP2 K (Last night callsign was sent as DNP2)
DE
R HR QSA 2 K
R IEC = 5816 K
R IE HR NR 14 EEEE R
HR NR 122 K
R R HR MSG GA K
MSG NR 17 CK 99 42 0916 1000 =
K R K K K
R R = =
75TU D5UN D556 N7DU 7436 4UNU D5NA A346 TA6N TTAT
63UT 45A7 D3TA 537N U7D4 (Cont’d)
AR
99W ... K
= = 564U K
= T7N3 K
R HR MSG GA K
R
MSG NR 18 CK 199 80 0916 1000 =
K R = =
EA4D,,,(Faded) 6UNT DT3A 44TD 54N3 (Cont’d)
AR
R R = = TTT6
R R R = = TTT7 AR
R HR MSG GA K
R
MSG NR 19 CK 199 80 0916 1000 =
K R = = =
T4UA 4U7N 6U5T ... (Cont’d)
AR AR
R R = = 7U3N 7U3N AR AR
R = = 5T..
TD4 ? EEEE
R = = T746 K
R = = 4D67 K
R = = D7NU
R = = D66A
AGN
R K C..EEE R = = 5D.A
R = = 43N7
R R = = 43N7 A..3 TN37 ND45 A3NT 5DNA AR AR
1 II
1W K
R = = N57U
R = = D3N6
R R K K H R = = 3TAU
R = = 567.
R = = 35N4
R = = N4A7
R = = 4T5A
3.W TO 30W K (Handsent)
R R
= = N4A7 AUTD 6D54 NT47 A6NU N447 5N.. U7T4 47AT DAU3 DAT6 N6U4
AT63 B..A 53N3 (Cont’d)

MSG NR 1. CK . T eeee
MSG NR 04 CK 199 80 0911 1100 =
R = = =
U3UA 67ND A64A N7DA AU75 3D6T NATN ANN5 TADA TTA5
5735 U446 UTUD 76DT T746 D4D5 T4UD U665 7DTB 5634
D5DT ... (Cont’d) (Machine sent – quite fast – approx 25 WPM) AR
R
= = UU34 AR
= = 66U3 AR
= = DU5. AR
= = 3UUT AR
= = 463T AR
= = EEEE = = 463T ...7T4A 36NA NU6T DAN7 474T 5T53 54T4 747N
NDN6 6A4T UD76 NT3U 7T.. (Cont’d) AR
= = A453 74AN NA5A 7U57 T546 34D4 D3D4 6347 DA3U AR (0315z)
R R
= = 6NN. AR
= = AD6A AR
= = UT54
= = 7NUT AR
= = = 357U AR
U 7 GA
GA (Hand sent)
R R OK QSL 1121 VA GB

8014 kHz, 11-09, 0340 UTC:

U QSY TO 22 AR 7UUQSY TO 22 22
VVV K K K
HR MSG GA GA GA
CY CY MSG NR PC EEEE
MSG NR 04 CK 199 80 0911 1130 = = =
575A U67D N4N3 D674 A7NT U776 5DU6 5TD7 TAD3 TT4T
476N U447 (Cont’d) (Machine sent – 25 WPM)
U QSY TO NR 01 (0343z)
U QSY TO NR 01 NR 01 K (Hand sent)
U QSY TO NR 01 NR 01 K
U QSY TO NR 15 NR 15 K
U QSY TO NR 15 NR 15 K
U QSY TO NR 15 K
U QSY TO NR 18 NR 18 U QSY TO NR 18 NR 18 K K
U QSY TO NR 05 NR 05 U QSY TO NR 05 K
U QSY TO NR 05 K
U QSY TO NR 08 U QSY TO NR 08 NR 08 K
U QSY TO NR 08 K
U QSY TO NR 13 K
U QSY TO NR 13 NR 13 K
MSG NR 04 CK 199 80 0911 11.0 =
575A U67D N4N3 D674 A7NT U...(Cont’d) (About 30 WPM now) (Silent 0351z)

4047 kHz, 11-09, 1959 UTC:

VV
00QX DE CM8Z K
R
QSA 2
R
8N0S K
8N0S DE CM8Z K
8N0S DE CM8Z K
F1PZ K
F1PZ DE CM8Z K
R
F5SU DE CM8Z K
DPU2 DE CM8Z K
00QX DE CM8Z K
00QX DE CM8Z K
R H EEEE IEC IEC = 8321 AR
R HR WK NR 320
R
8N0S DE CM8Z K
IEC IEC = 8321 AR
F1PZ DE CM8Z K
R HGWK NR W20 K

AR AR K
 R
 AGN
 R = = ND6U
 AGN
 R = = NT5A 6TA7 5DNA U4N7 5T7U ND6U AR
 R = = DAT6
 R = = N4A7 AUTD 6D54 NT47 A6NU N447 5N63 U7T4 47AT DAU3 DAT6
 R = = DAU3
 R U MSG GA K
 R R GA
 R R 2P
 94W
 R R 81W
 R 34W EEEE 3EEEE 44W
 R R 24W TO 34W K
 R R 1P
 90W
 FM
 38W
 FM
 24W
 R R 7W EEE 70W
 R 75W
 FM FM
 AGN
 HH 93W
 R FM FM R FM FM
 R R OK QSL 1102 K
 AS AS
 U QSY TO NR 15 U QSY TO NR 15 K
 R R A U MSG GA K
 GA
 NR 98 K
 R R 110 G EEEE 110M GA
 R R R A4 EEE 3 2P K
 K
 2P K
 K 2P 2P K
 R R R R K K QSL 1120 K
 HR 7G GA K
 R
 MSG NR 20 CK 299 75 0916 1000 =
 K R K
 KR R = =
 5AA4 ADA3 DTUA D546 3345 U5UT (Cont'd – approx 30WPM)
 AR
 R
 AGN
 = = 75U3
 R H AM SG GA K
 R MSG NR SCKINNSE
 MSG NR 21 CK 299 75 0916 1000 =
 R
 MSG NR 21 CK 299 75 0916 1000 =
 R
 = =
 NTU4 A45A 6N... (Cont'd – approx 30 WPM)
 AR
 AGN
 R R
 K K 5 = = TTU6
 R AS
 HR 7G GA K
 HR 7G GA K
 R
 MSG NR 22 CK 299 75 0916 1000 =
 AGN
 R
 CK 199 CK 9 EEEE CK 199 K
 R
 = =
 N575 5NT3 6T6A 3AT6 635U NU6A 7456 34U5 TA65 TTA3 (Cont'd)
 AR
 R R AGN
 48W = 7AT3 K

R
 F5SU DE CM8Z K
 IEC IEC = 8321 AR
 HR WK NR 320
 R
 HR T.. NA (Fading)
 MSG GA (2008z)
 MSG GA
 MSG GA (2009z)
 MSG GA
 MSG GA
 MSG NR 0040 CK 299 0912 0400 =
 K K =
 N3NU TND3 6U6U 46NT AD4N 5N63 75UT 4735(Cont'd)
 (Began at abt 25 WPM then cranked it up a bit!)
 AR
 QSA 8
 R PT ...
 ... QSL ?
 0OQX DE CM8Z QSL ? K
 F1PZ DE CM8Z .. (Mostly unreadable now)
 DE CM8Z K
 R ... 8Z K (2028z too weak to copy now)

4047 kHz, 14-09, 1428 UTC:

VV 0OQX 0OQX DE CM8Z CM8Z K
 R AS
 8NOS *8NOS DE CM8Z* CM8Z K
 K
 R AS
 F1PZ F1PZ DE CM8Z CM8Z K
 R AS
 F5SU F5SU
 F5SU F5SU DE CM8Z K
 R AS
 DPU2 DPU2 DE CM8Z K
 R IEC IEC = 2109 AR
 0OQX K
 R
 8NOS K
 8NOS 8NOS K
 IEC = 2109 AR K
 F1PZ F1PZ K
 R AS
 HR NR 351 K (1440z)
 F1PZ K
 RPT K
 F1PZ F1PZ L K K
 R
 F5SU F5SU K
 IEC IEC K
 R HR NR 351 K
 RPT K
 R AS DPU2 DPU2 K
 IEC K
 R
 R MSG GA K
 K
 R MSG NR 0051 CK 299 0913 223
 MSG NR 0051 CK 299 0914 2230 =
 T743 4776 75T6 3A44 D746 7T5A TT33 (Cont'd – a= 30 WPM)
 AR
 0OQX QSL ?
 WRR 8NOS 8NOS QSL ?
 F1PZ F1PZ QSL ?
 R F5SU F5SU QSL ?
 R DPU2 DPU2 QSL ?
 R SK SK (1459 silent)

8014 kHz, 15-09, 0132 UTC:
 JP finally found the call sign of the control station: DNP2

VVVV

R
 R = = D334 K
 R SK GB
 K C GB
 VV VV HHP5 K (New callsign)
 DE
 R
 QSA 2 K
 R HR KR 134 K
 HR NR 134 K
 HR MSG GA K
 MSG NR 23 CK 99 42 0916 1200
 MSG NR 23 CK 99 42 0916 1200 =
 =
 D7TA 73UN 53A6 UT7A 4TD6 D746 DU3T 5D67 TA66 TTT7
 DT7D (Cont'd)
 AR AR
 = K K
 IEC = ANE EEEEE
 IEC = 5816 AR K
 R R
 MSG CT
 MSG CT
 EEEEEEE
 MSG TC
 AGN
 AGN
 = 7D7A
 B3W = G..7AR KC(Handsent – horrible morse)
 U2BW = .. AR
 7W = DUET AR K
 = D746 AR
 = D..6 AR
 R U7G GA
 / TU
 5/
 R
 U QSY TO NR 12 K
 U QSY TO NR 12
 1 P 1P
 1P K
 58 K
 R FM
 U R R R 71W
 R R 75W
 70W
 R R R R 76W
 76W
 R 1W EEEE 100W
 R R QSL 1235 K
 K
 HR MSG GA K
 MSG NR 24 CK 199 80 0916 1200
 = = =
 N35A TDUN N35T T43U AU43 3N5D 53D7 67U6 TANT TTU3 (Cont'd)
 AR AR
 R
 R = 4DAA AR K
 R AS
 EEE U7G GA
 U 7G GA
 GA
 2P
 43W R 1W 1W 1W
 R R QSL 1300 K
 QSL 1300 K
 HR 7G GA K
 MSG NR 25 CK 199 80 0916 =
 NHU5 A6NU 3ATD N774 6A4U T45 4N3N D43T TANT TTTA 57AU 54AT
 (Cont'd)
 AR AR AR
 R R . = ANND R K
 = ANND AR
 1W = HE ..AR (Hand sent – horrible morse)
 R H7W = 734D AR
 = N55W AR

OJPY OJPY OJPY DE DNP2 K K (Zero JPY)
 DE
 HR QSA 2 K (0206z)
 R IEC = 5816 AR K
 R HR NR 112 K
 R HR MSG GA K
 MSG NR 18
 MSG NR 18 CK 99 42 0915 1000 =
 = =
 T4N4 6NDA 7T36 DU3N UND4 5A6A 3636 7UDN TA6N TT4A (Cont'd)
 AR
 = = TA6N II
 R R HR MSG GA K
 MSG NR ENCK ENN TA = EAA =
 MSG NR 19 CK 199 80 0915 1000 =
 = =
 3NDT 73DU DAAU 67N3 6UN. (Cont'd)
 AR
 R R
 = TTN3 II
 R R
 = = U445 II
 R R HR MSG K
 MSG NR 20 CK 199 80 0915 1000 =
 = =
 T3UA A3D3 4A36 3T46 5D7A NUD7 75UT (Cont'd)
 AR (0232z)
 R R (0232z)
 K K N EE = =
 = = NT5U II
 R R R R
 K K XX
 W = = N5N5 II
 = = U37A III
 = = N6NT III = N6NT II
 = = A654 II = A654 II
 = = 6T3N III
 R R U MSG GA K
 R R
 120 M GA K
 3 PW EEEE 3 P 30W
 =...
 R R 2P 11W
 60W
 QSL 1048 K
 U MSG GA K
 GA
 120 M GA K
 3P
 22W
 25W
 84W
 48W
 FM
 2P
 52W
 68W
 AGN
 R
 1P
 98W
 R R QSL 1100 K
 HR MSG GA K
 MSG NR 21 CK 299 75 0915 1000 K
 = =
 DAN3 36N7 5DTU 6TA3 6U7T T3UA U53D (Cont'd)
 AR
 R R = = ...
 R R U MSG GA K
 120 M G
 AR (0328z)
 3P 32W
 FM FM
 R 82W
 FM
 89W

= N = N553 AR
 R R 58NW = ..AR K
 73UA EEE = 63DN EEEE 8 EW = 63D7 AR
 R = = N5U5A6NU 3ATD N774 BA... AR K
 = BA4U AR K
 = N774 AR
 R U 7G GA
 R A
 R 4P
 62W
 4P 62W
 62W 62W
 R QSL 1334 K
 HR 7G GA K
 MSG NR 26 CK 299 75 0916 1200
 == =
 5TA7 ND34 TU3N 53TU 6NDA T6UA 4776 7U75 TA65 TTAT (Cont'd)
 AR AR
 K
 C
 CK 299
 R R R
 50W = 54EEEE 50W 7.. AR K
 40W = 3N53 AR
 35W = 5UDT AR
 R 35W TO40W = = 5UDT NA73 7D5T D63T 736T 3N53 AR K
 38W = D63T AR K
 = 7D5T AR K
 R R R
 883W = TD7N AR K
 = 4UA5 AR
 41W = 4T7T AR
 R HR 7G GA K
 MSG NR 27 CK 99 75 0916 1200
 MSG NR 27 CK 99 75 0916 1200
 == =
 A645 ADDT D67A A7D6 3675 6DTA U6D4 47TA TA65 TTA4 ... (Cont'd)
 AR
 = = NU7U AR
 = = 677T AR
 TA ? = EEE R SK
 VV F7SX K
 QSEEE FM5?
 EEEEE
 QSA 2 K
 R IEC = FME EEE C = 5816 AR K
 R HR NR 134 K
 HR NR 134 K
 R HR MSG GA K
 MSG NR 28 CK 99 42 0916 1400 (Silent; monitored until 0606z)

8040 kHz, 21-09, 1144 UTC:

D7T3 U7N4 AU47 6N7T 6U3N UN5D ARMT....(Fading)
 3N.6 A36N A47T 3NU7 ..3DT N7T3 N4U5 ..5 63.D 7..3 74T3
 AU57 5... 5AN4 36TA U.U4 75D6 4AN7 N7U 5NU4 7
 635U 74AN .3TA 46N5 .5T6 T7UD 637T A6TN 47DU 7.T3
 67TA UA4N UDA5 U.... DN4U III BT 3DT. AR
 BT MD6. ..U3T5 U5.A 7T...T347 T3UN 6.. UA3N UT53 N7U5
 U5TN U657 T47N 75AU 54.D U5DN TN3A ..DA N7T3 TN.....
 NUD3 45D7 TND6 U3A4 34DT ...3T6 A.... 63A4 U5.. 4T.....
 (Fading badly now – mostly unreadable – 1155z)

FM EEEE
 2P
 13W
 FM FM
 R R
 1P
 12W
 26W
 FM
 R 43W
 SL 1130 K
 HR MSG GA K
 MSG NR 22 CK 299 75 0915 1000 K
 = =
 3UNA UD76 3446 6UD3 ... (Cont'd)
 AR
 = = 3676 II
 = = UDN6 II
 = = 576U III
 R R
 KK.K W = = T43D III
 = = U7.. III
 = = 6D5A III
 = = UD76 III
 = = 3UNA III
 SK SK GB (Monitored until 0352z)

8040 kHz, 22-09, 1014 UTC: chat in progress:

RPT 91W
 R 77W
 K
 77W
 R 43W
 R 24W
 R 16W
 R FM
 R 10W
 AGN
 R 2W
 85W
 R 057W
 R 49W
 R 32W
 R 11W
 R 1W EEEE 1P
 95W
 R 73W
 R 55W
 39W
 FM
 FM
 38W
 27W
 AGN
 R 9W
 9W
 R QSL EEEEE
 QSL 1822 K
 R (Stopped listening at 1020z)



M97

Vietnamese numbers

Frequency: 10375 kHz

Mode: Morse

Still active. Reported several times this month. I copied one of them myself.

10375 kHz, 24-09, 1459 UTC: SD75 SN80

VARIOUS MODES

M42 & X06



Modes:

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

Russian Government & Intelligence



5440 kHz, 31-08, 0415 UTC:	RWD59: Russian Gov/Intel. Mode: RUS-ARQ 100/500
7630 kHz, 31-08, 0658 UTC:	RDP5: Russian Gov. Kirov Kaloega area. PtP contact with RMC27. Mode: RUS-ARQ 100/500
11076 kHz, 31-08, 0710 UTC:	Russian Intel. Mode: FSK 200/1000
11055 kHz, 31-08, 0613 UTC:	RMA5: Russian Gov. Orenburg Oblast area. Mode: Baudot 50/500
9238 kHz, 03-09, 0830 UTC:	Russian Intel.
10161 kHz, 04-09, 0648 UTC:	Mazielka. Sequence: 165324
13467 kHz, 05-09, 1845 UTC:	Russian Intel. Mode: Baudot 200/500. 576 1 00000 +++++ +++++ 162
5087 kHz, 06-09, 1920 UTC:	Russian Intel. Mode: Baudot 200 Bd/500 Hz
6903 kHz, 06-09, 1910 UTC:	Russian Intel. Mode: Baudot 200 Bd/500 Hz
9239 kHz, 06-09, 1900 UTC:	Russian Intel. Mode: Baudot 200 Bd/500 Hz
11611 kHz, 07-09, 1720 UTC:	Russian Intel. Mode: FSK 200/1000 Hz
9425 kHz, 07-09, 1715 UTC:	Russian Intel. Mode: FSK 200/1000 Hz
9068 kHz, 07-09, 0620 UTC:	Russian Intel. Mode: FSK 200/1000 Hz
11089 kHz, 07-09, 0610 UTC:	Russian Intel. Mode: FSK 200/1000 Hz
13470 kHz, 07-09, 0600 UTC:	Russian Intel. Mode: FSK 200/1000 Hz
10475 kHz, 07-09, 0647 UTC:	RQS: Russian Gov. Samara area. Crypto to Moscow on 10595 kHz. Mode: F1B 100/500
10595 kHz, 07-09, 0647 UTC:	RKD48: Russian Gov. Moscow. Crypto to RQS on 10475 kHz. Mode: F1B 100/500
12184 kHz, 07-09, 0652 UTC:	RQF: Russian Gov. Moscow area. PtP contact with RDI on 11585 kHz
11585 kHz, 07-09, 0653 UTC:	RDI: Russian Gov. PtP contact with RQF on 12184 kHz. Mode: F1B 100/500
13549 kHz, 07-09, 0825 UTC:	Russian Gov/Intel. "ryryryry 817 123 7 0800 1234 =" into 123 * 5F msg with =50= and =100= group markers ending CFM NIL. Mode: Baudot 50/500
7992 kHz, 08-09, 1710 UTC:	Russian Intel. Message 1. Mode: FSK 200 Bd/1000 Hz
10687 kHz, 08-09, 1700 UTC:	Russian Intel. Message 1. Mode: FSK 200 Bd/1000 Hz

11100 50750 68594 09629 01509
09852 40503 951 2 85573 96953 481 4364 81725 71880 83453 15568
98549 06513 4

abt 10 att 10

vrpt agn rpt ahn

11100 50750 68594 09629 01509

ioitw 4003 95182 85573 96953 48164~86725 18 0 83453 05568
98549 06513 41494 66777 42753 8382= 87133 78646 61381 77976
85931 27486 53547 47312 18399 35057 99131 21575 59992 87317
46249 08016 55355 2435) 54'78 77281 91479 249&1 124-2 &15015
99480 34186 267658 50118 &39674 07650 0430/7 9562249643 :0430

25054 63079 59988 14613 44731 36435 07382 83544 9027 16313
99809 16360 37069 70637 134 5

hatt 10 abt 10

25054 5307ot
14613 44ueq 36435 08382 83544 93027 16313
99iqo 16360 37069 70637 qrrw tqqokvheppi 52553 25795 10526
31504 71557 15458 17105 &81028 28798 82071 13848 &91158 52469
67167 86204 53309 94238 80034 10397 72266 72650 58491 75566
73097 74438 1918¥ 56 81 46232 49685 77154 24038 23747 61766
)39292 39382 0743 78019 01441 52107 65063 12071 03782 98346
39528 53764 24213 86016 33879 47615 14398 9-830 18613 05752
08190 32134 25900 6623 57092 38992 23776 32843 7246 09968
58784 ¥862 79174 85031 84264 247474 10299 41034 16479 21019
97:12 63185 85748 25470 38102 93973 748 8 00931 39179

11100 50750 1245 09630 01509

rjfjr ywllp aldac qexjp hetcv eufxb jgiks cbmuc~dqqs qgbta

iad iad iad iad iad iad iad iad iad iad iad iad iad iad
iad iad iad iad iad iad iad iad iad iad iad iad iad iad
iad iad iad iad iad iad iad iad iad iad iad iad iad iad
iad iad iad iad iad iad iad iad iad iad iad iad iad iad
iad iad iad iad iad iad iad iad iad iad iad iad iad iad

rpt agn rpt agn

11100 50750 12345 09630 01509

rjldr ywllp aldac qexjphetcv eufxb jgiks cbmuc dqqs wgbta
cedbb mglpf ggwcy celig jcvft sgruc viprr bnjuo gkcdd nooip
kikhh ilfoe oggmp mfohn yyjmk qvuls gahbv ebemx eytee bwiwm
lsvch nsqio tycab gjcma gmdrc seinv fayjp odecy fovlh ewbua
wjyby tsecy vbntv qbfop efrvo xmxab twgul hyphy eihs tanxx
dlfxh vysms tfygk bhjwj wuvjn pnkhs ssyyy oddbx idmuy ldasy
bfysa rklm ntwvw twlqn aegqs rhxrsijeo avmna afnxo qndxt
vgmup tywnu dgyek edcur tdaby ftdt qqcri udcvx bmxyv rfymu

mtuaoj cokig =46#:¥ =.=013 cthdj ikslh yfwak fcpyc ylvkc xrqoq
dpmrq ygvcm krkqp dyvhr toebe =.=?#¥ lrwxw jkxhi kuurb runri
bmlyh dhwfb uyqgi ugvvs xonyd pofoi xoqmo dmvka qmjjs n~294
exnpr tircg jhekj ioqrn wqeux mphbt yqorg olpyd hhbtc tphvy
uqxdijcpny kdobf cbteg eydxr sqovc tfktl ijlxh xreqr mdxst
tdn3 dtvyt otpha ryqyc vptcy aqbjr ypydq hkack hgluq wwllwx
nivrf ojsxuc wtfng pciet sjebf ccofn epwcg uudi rmsfs

all qtc 2 gr 300 all qtc 2 gr 300

qru qri sk sk

14580 kHz, 13-09, 1235 UTC:

00.54 91754 :zq 56510 /97+:~yqqp 62019 56989 56263 86191
85869 70700 33349 95418 5/766 77807 76035 64822 84728 27697
02717 18678 27624 67196 ppt 27413 49483 50917 18201 03748
44940 82170 69610 62991 84451 57877 681puvixool60050 15994
03480 27779 36189 0 432 23742 11545 35552 49236 54264 29373
14340 owyi 74249 7ukfbkqupcxl5 ¥14 96727 17171 43830 74645
17945 13362¥wuvuuppvo~v~upuin7905~48247 43404 93466 41685
-0027 21019 qettu ~dqih64488 52070 24742 83540 07849 59 20
78274=92845 886/2 64886 6859,07306 75031 49025 60295

5a

vmjxv11166 putp wyiuqx qep/16

rpt agn rpt agn

v11166 50750 268='21 qeyet hpppyovbwqutf

12345 2687 rtarq wyiu wteoq

blvz

11100 50750 12345 13634 01009

kuprn kspbj sayuh omivw eryme kv5%uvrex dgctm xamee doklp
ubfnl ymgfob dubhx vyulf gyucv xydkd toote xtwix xheov xsenr
ynuor xknwl lahxx xnmiso hlbrg qanr wjfqm vxmyk jehwp bljdc
wojhr wmtq oanuh dkjvnmvcx ni~iv qlgfd rollv mrxxx osjsu~ibffs
wh6)'nyglg vcmlva pvdso lstr reuem wbyjr kdsjp eucpc
sfxdu cepew ehore jyhv coghb bblgj dsqrq ssaio fchgq jkvlv
eqimf xurld jivbi xdxch lrcya otmul wwwky hxgpjh=)96 nnfba
orsnk qvz~q yooye ysero 1,3% ccekq ltopf rytwq mpwkwl leje
thcxw otbaqndmxx guywl tuvmt un~d pefcr pnkr xgkks opnff
rlsdnpxphr s fgctw qkxfw imjbq fubkg yonvp csph ~q nn~e~ o

ohqrt qtr 1600 qsw 13350/11420 x

qrz qtr 1600 qsw 13350/11420?

all qtc 2 =&4 200 all qtc 2 gr 200

qru qru sk



XP family

Avare sent me his logs of the new XP-variant. The recording can be heard on the N&O website.

6836 kHz, 17-09, 0740/0745/0750/0755 UTC: XPA start tones followed by unid data. Repeat of 0740 kHz.



XSL a.k.a. Slot Machine **Japan Maritime Self-Defense Force** **海上自衛隊 Kaijō Jieitai**

Copied on September 16th at 0839 UTC. Mode: QPS 1500Bd.

Frequencies: 4153, 4231.5, 6250, 6417, 6445, 8313, 8588, 8703.5 kHz



North Korean diplomatic stations

11198.4 kHz, 08-09, 0631 UTC: North Korean diplo. Mode: DPRK-ARQ/600/600



Egyptian diplomatic stations

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

19909.0 kHz, 04-09, 0831 UTC: Egyptian diplo. Mode: Codan 16-tones

19910.7 kHz, 04-09, 0837 UTC: Egyptian diplo. Mode: Sitor-A

16329.7 kHz, 05-09, 1739 UTC: Several hex crypto message from "71" Military Attache, MFA Cairo to Embassy Washington . Mode: Sitor-A

16161.7 kHz, 26-09, 1509 UTC: Egyptian diplo.

20178.7 kHz, 26-09, 1046 UTC: MFA Cairo calling "KKVE" (Embassy Bamako)

20225.0 kHz, 28-09, 1355 UTC: 80bd Codan Chirp calling "99901". MFA Cairo calling ?33316? Embassy Tunis

UTILITY ROUND-UP



Jammers

12075 kHz, 02-04, 1400 UTC: Vietnamese Siren jammer jamming Radio Free Asia



Unid stations

Remember last month's unids? Alf mailed me about two of them. Thanks for that.

The first one:

6865.5 "RTH62 de EYA31 QSA2 RTH62 de EYA31 QSA2 ...K"

Alf thinks that it is a CIS military net. He copied this net several times during the past years.

5871 kHz, April 2007: EYH66
6923 kHz, Jan. 2007: RTH62 msg to ULC85, EYC29?
7853 kHz, Aug. 2009: RTH62 msg to (UN?)P26
6874 kHz, 6 June 2011: EYC66 "EY[C?]66 QTC QTC 853 22 06 0605 853 = 222 = AAAAA ..."
using usual Russian special characters plus "....." (=Jo); T=0, UTC+6h

The second one appears to be identified by Leif several years ago.

6921 kHz, 01-08, 0705 UTC, USB voice. Traffic between LZBO and LZBH in an unidentified language.

This LZBx-Net was identified as Bulgarian Navy. Alf, Wolfgang and Kristian logged it for some years now on 6821, not 6921 kHz and 14459 kHz.

6821 kHz, 17-02-2009: LZBH: prob. Bulgarian Navy Vessel 1105 J3E/USB OM clg LZBW
"LZBW(x3) LZBH(x2), prejom", 1112z clg LZBX; no joy, callsigns "NATO-spelled"
6821 kHz, 22-02-2009: LZBH: Bulgarian Navy 1400 USB clg LZBW
6821 kHz, 01-03-2009: LZBX: unid Bulgarian Naval Vessel 1403 J3E/USB OM/Bul wkg LZBH
14459 kHz, 04-08-2011: LZBH: unid 0825 USB LZBB this is LZBH in EE, unid acc. followed by unid modem tfc

Mike logged on 07-09 / 1149 UTC on 16268 kHz a SITOR-A signal modulated with "C" in Morse code. "Very odd!" he says. It is indeed odd. We have heard "C" in Baudot before on one of the Russian beacon frequencies, but this one is new for me and was also not on a beacon frequency.

Unid pip on 5207 kHz, sending 19 pips per minute.

The station was first reported on the 16th by Alex and Attu in Alaska.

Strong signals in Alaska and Hong Kong. Not audible to weak signal in W. Europe.

Logs:

17-09, 2103 UTC

19-09, 2127 UTC

21-09, 0729 UTC

22-09, 1530 UTC

29-09, 1215 UTC, 1313 UTC, 1424 UTC, 1710 UTC, 2121 UTC

Unid Network

JP logged one of the still unid "10-minutes" stations that are active on SW. These stations are frequently reported by Attu in Alaska. They probably transmits from East Russia or Northern China. Further information about this net is greatly appreciated.

4036 kHz, 11-09, 1350 UTC: "B4NR" (R10)

4036 kHz, 11-09, 1420 UTC: "B4NR" (R10)

4036 kHz, 15-09, 1820 UTC: "B4NR" (R10)

Typical are the transmission schedules. They last for 10 minutes, two skeds per hour, consisting mainly of a callsign and sometimes hand keyed Morse messages. These messages often are three to six 2-digit groups like these:
"VVV DE VTID //74// //42// //63// " or "= 83 52 48 ="

The network changes its frequencies and callsigns at least once each month.

The transmission times also change at times.

Schedule 1	Schedule 2	Callsign	Frequencies
05-15	35-45	DJEF	3753
07-17	37-46	SFO3	3698
10-20	40-50	IGAE	3698
10-20	40-50	NELC	3517, 3700
10-20	40-50	L6YC	3205
10-20	40-50	WF3A	3505
15-15	45-55	POCI	3700, 4136
15-25	45-55	L6YC	3207, 3860
15-25	45-55	4KUE	3285, 3958
20-30	50-00	MWKJ	3343
20-30	50-00	U34D	3241
20-30	50-00	B4NR	4036
23-33	53-03	Q7JN	3265, 3956
25-35	55-05	VTI8	3700
25-35	55-05	UXUO	3700, 4136
25-35	55-05	U34D	3420
25-35	55-05	Q7JN	3265
25-35	55-05	VTID	3178, 3802



Pirates

An interesting series of E06/G06/V07 numbers transmissions was monitored by Chief. It sounded unprofessional, the modulation was bad and the signal was not half as strong as the real transmissions. The recording can be downloaded from the N&O website. Due to the poor conditions the recording is not very clear but yet good readable. Thanks for the logs and recordings, Chief.

The transmissions popped up on September 8th on 9300 kHz.

Spanish at 0705 UTC:

123 (repeated) 457 457 12 12 43586 43586 80378 80378 77662 77662 36926 36926 34877 24877 32258

German at 0707 UTC:

123 (repeated) 457 457 12 12 43586 43586 80378 80378 77662 77662 36926 36926 34877 24877 32258

Russian at 0738 UTC: in progress

43795 81190 22191 97885 55053 99625 457 12 followed by 357 (repeated) 001 001 349 349

Looking at the header 123 123 123 457 12 you see that a 12 groups message should follow. Both the Spanish and German messages only included the first 6 groups and 6 more groups were transmitted in Russian. Assuming that the Russian groups are the missing groups of the first two transmissions, the complete message would be:
123 123 123 457 12 43586 80378 77662 36926 34877 332258 43795 81190 22191 97885 55053 99625 457 12
followed by 357 (repeated) 001 001 349 349

A Russian pirate net transmitted a buzzer recording on 10460.4 kHz during the weekend on 15 and 16 September. Just like the real one, the buzzer stopped when voice traffic was sent. There were many voice transmissions during these days. I recorded part of it (recording on the N&O website). The main station (unknown callsign) says: "I broadcast on the frequency which is available for me"; "Attention! Radio station "Pribor" from Krasnodar, please reply"; he says that he is calling Region 6, but he is not able to reach Region 9; etc.



Intelligence news

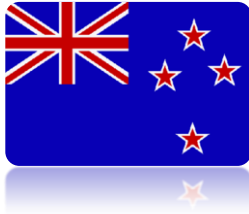
By JOSEPH FITSANAKIS | intelNews.org |

The head of Belgium's counterintelligence service has said in an interview that Brussels, which hosts the head offices of several international organizations, is home to more spies than any other city in the world. Alain Winants, Director of Belgium's State Security Service (SV/SE), made the comment during a rare public interview to the Brussels-based English-language newspaper EU Observer. Winants told the paper that Belgium hosts "an enormous concentration" of diplomats, members of international non-governmental organizations, as well as employees of transnational institutions, including the European Union and the North Atlantic Treaty Organization. Because of this, he said, Belgium "is like a kindergarten" for spies, "the place to be" for intelligence operatives. The latter often operate under diplomatic cover or pretend to be students, lobbyists or business executives, he added. When asked how many case officers and spies operate in the Belgian capital, Winants, whose organization is responsible for counterterrorism and counterespionage, said "we are not speaking in the dozens; we are speaking in the hundreds, several hundreds". He added that the numbers of intelligence operatives currently active in Belgium are "at the same level as the Cold War". These intelligence operatives, he added represent countries such as Russia, China, and many others. When asked whether nations allied with the European Union also conduct espionage in the Belgian capital, Winants responded diplomatically that intelligence "is one field where the difference between neutral, friendly and unfriendly services tends to disappear", as "every service is in competition with the others". And he added that "it would be naïve to think that only countries like Russia, China, Iran are spying" in the Belgian capital.

By IAN ALLEN | intelNews.org |

Iranian spy scandal sparks outrage in Turkey. After a nearly yearlong investigation into an alleged Iranian spy ring in Turkey, seven people were charged in early September with "providing information related to state security and establishing an [illegal] organization". The charges against five Turkish citizens and two Iranian nationals followed a raid on the suspects' residences and workplaces on August 29, in which videos and pictures of border security, documents, correspondence with Iranian intelligence and weapons were found, according to the investigation materials. Tehran denied any connections to those arrested, while officials in Ankara revealed more alleged evidence showing that Iran is providing support to the PKK.

Intelligence profile: **New Zealand**



BACKGROUND

The Polynesian Maori reached New Zealand in about A.D. 800. In 1840, their chieftains entered into a compact with Britain, the Treaty of Waitangi, in which they ceded sovereignty to Queen Victoria while retaining territorial rights. In that same year, the British began the first organized colonial settlement. A series of land wars between 1843 and 1872 ended with the defeat of the native peoples. The British colony of New Zealand became an independent dominion in 1907 and supported the UK militarily in both world wars. New Zealand's full participation in a number of defence alliances lapsed by the 1980s. In recent years, the government has sought to address longstanding Maori grievances.

GENERAL

Country name: New Zealand
Capital: Wellington
16 regions: Auckland, Bay of Plenty, Canterbury, Gisborne, Hawke's Bay, Manawatu-Wanganui, Marlborough, Nelson, Northland, Otago, Southland, Taranaki, Tasman, Waikato, Wellington, West Coast
1 territory: Chatham Islands
Dependent areas: Cook Islands, Niue, Tokelau

MILITARY

New Zealand Defense Force (NZDF): New Zealand Army, Royal New Zealand Navy, Royal New Zealand Air Force (Te Hokowhitu o Kahurangi, RNZAF)

INTELLIGENCE & SECURITY AGENCIES

Government Communications Security Bureau (GCSB)
New Zealand Security Intelligence Service (NZSIS)
Police
Customs
Geospatial Intelligence Organisation (GIO)
New Zealand Intelligence Corps (NZIC)
Directorate of Defence Intelligence and Security (DDIS)
Integrated Mission Support Squadron (IMSS)
1st Military Intelligence Company

New Zealand is a member of the Australasian Information Security Evaluation Programme (AISEP) and is represented on its Management Board by the GCSB. The programme provides for impartial evaluation of Information Technology products against an internationally recognised standard, the Common Criteria for information technology security evaluation. The results of these evaluations are certified by the Defence Signals Directorate, Australia (DSD) and are published in the DSD Evaluated Products List (EPL).

Government Communications Security Bureau

The Mission of the GCSB is to contribute to the national security of New Zealand through:

- providing foreign intelligence to support and inform Government decision making;
- providing a 24/7 intelligence watch and warning service to Government;
- ensuring the integrity, availability and confidentiality of official information through information assurance (IA) services to Government; and
- contributing to the protection of Critical National Infrastructure from cyber threats.

The GCSB, as the national foreign intelligence agency, is a major contributor of foreign intelligence to the government. The GCSB contributes this type of intelligence through the collection, processing, analysis and distribution of foreign intelligence, according to the requirements set by the FIRC.

Intelligence and Security Committee

The Committee's functions, in relation to the New Zealand Security Intelligence Service, are to:

- examine the Service's policy, administration and expenditure
 - consider any bill, petition or other matters about the Service referred to it by the House of Representatives
 - receive and consider the Service's Annual Report, and
 - consider other matters with security or intelligence implications referred to it by the Prime Minister.
-

The Inspector-General of Intelligence and Security

The position of the Inspector-General of Intelligence and Security was established by the Inspector-General of Intelligence and Security Act 1996. The Inspector-General is authorised to see any material held by the Service, including sensitive operational information, and has a right of access to Service staff, premises and records in order to fulfil these oversight and review functions.

The Inspector-General's role includes enquiring into:

- any matter relating to the Service's compliance with its legal obligations
 - the propriety of its actions, and
 - complaints about the Service.
-

The Commissioner of Security Warrants is involved in issuing interception warrants relating to persons who are either New Zealand residents or citizens. These warrants are issued jointly by the Commissioner and the Prime Minister. The Commissioner can also direct the Service not to proceed with (or discontinue) interception or seizures of communications.

New Zealand Security Intelligence Service (NZSIS)

The NZSIS is a government agency, responsible for giving the Government advice about matters relating to New Zealand's security. The Head Office is in Wellington and there are regional offices in Auckland, Wellington and Christchurch. The NZSIS is a civilian intelligence and security organisation. The Service's Chief Executive, the Director of Security, is appointed by the Governor-General. The Director is responsible to the Minister in Charge (traditionally the Prime Minister). The Director also reports to a committee of Parliamentarians known as the Intelligence and Security Committee. Both Government and Opposition parties are represented on this body, whose

membership is endorsed by Parliament. The Service is apolitical. Legislation (NZSIS Act 1969) explicitly states that the Minister in Charge may not direct the Service to put any person in New Zealand under surveillance, and it requires the Director of Security to consult regularly with the Prime Minister and the Leader of the Opposition to keep them informed about security matters.

NZSIS' tasks include:

- Protecting New Zealand from Terrorist Acts.
 - Providing Security Advice to Other Government Departments.
 - Protecting New Zealand from Espionage.
 - Protecting New Zealand from Threats to International and Economic Well-Being.
 - Protecting New Zealand from Sabotage.
 - Protecting New Zealand from Subversion.
-

The *New Zealand Customs Service* is the government agency with the job of ensuring the security of NZ borders and to protect the economy from illegal imports and exports. The Customs Service collects revenues, investigate illegal activity and prosecute where necessary. The Service also makes sure that lawful travellers and goods can move across NZ borders as smoothly and efficiently as possible.

The main purpose of the New Zealand Customs Service is to stop any possible dangers, hazards and threats entering New Zealand. This includes everything from illegal weapons, objectionable material and drugs, to dangerous persons, hazardous substances and unwanted biological organisms – anything, in fact, that might threaten NZ people or their livelihood.

The *Intelligence Coordination Group (ICG)* is a small team charged with assisting intelligence agencies to provide coordinated and useful information for government decision-making, and with supporting the Officials Committee for Domestic and External Security Coordination (ODESC) in its governance role in relation to those agencies. Its key functions are to lead and coordinate the intelligence community agencies for requirements, priority setting, risk management and functional performance reporting. It also coordinates the New Zealand intelligence community's overall relationships with foreign partners.

The ICG is part of the Department of the Prime Minister and Cabinet (DPMC) and has a close working relationship with the Security and Risk Group (SRG) and the National Assessments Bureau (NAB) within DPMC. Outside of DPMC the ICG has responsibilities relating to the New Zealand Intelligence Community, particularly the New Zealand Security Intelligence Service (NZSIS) and the Government Communications Security Bureau (GCSB). The ICG also maintains relationships with its counterpart agencies in other jurisdictions.

Geospatial Intelligence Organisation (GIO)

As of 1 Jul 2008, the Joint Geospatial Support Facility was renamed the NZDF Geospatial Intelligence Organisation (GIO) and command was transferred from Chief of Navy to HQNZDF (AC SCI). The primary military role of GIO is to provide geospatial intelligence and geospatial information products to support NZDF military operations, exercises and other activities in the delivery of outputs; and by agreement, to Government and other approved customers in order to support defence policy objectives.

Geospatial intelligence (GEOINT) is defined as intelligence derived from the exploitation and analysis of integrated imagery and geospatial information about features and activities of defence, security or foreign intelligence interest, viewed in the context of location and time.

Military Intelligence

A Directorate of Defence Intelligence was formed in 1967 in recognition of the fact that a joint approach to the intelligence requirements of the three services - army, navy and air force - was the most efficient way to gather,

analyse and disseminate military intelligence. The security role was recognised when the directorate was renamed the *Directorate of Defence Intelligence and Security (DDIS)* in 1998.

DDIS's role is to provide direction and a central focus for the intelligence staff in the armed services. It achieves this by directing or coordinating all Defence intelligence and security issues, activities and procedures from Defence Headquarters in Wellington to the operational units of the New Zealand Defence Force in times of peace, crisis or conflict. The community approach demands the sharing of a common pool of information available to all. The intelligence process - collection, collation, analysis and distribution - is managed by the DDIS.

The DDIS is mainly concerned with foreign developments of Defence interest and the provision of intelligence and security advice to the Chief of Defence Force and the operations staff, the planners at Defence Headquarters, and the policy advisers at the Ministry of Defence. This means the following:

DDIS is responsible for

- personnel security clearances, storage site inspections and overseeing the provision of intelligence and security services, advice and reports to Defence Headquarters, the Ministry of Defence, other government departments and overseas agencies.
- the provision of intelligence support at the strategic level for the planning and execution of Defence Force operations
- the management of the Defence Industrial Security Programme. DDIS is responsible for personnel clearances, storage sites and overseeing accounting and handling processes for commercial companies that need to hold Defence Force classified material.

DDIS is part of the Defence Force's Headquarters' Strategic Commitments and Intelligence Branch in Defence House in Stout Street, Wellington. The Director of DDIS is a military officer from one of the three services. The director reports to the Assistant Chief of Operations who, in turn, reports to the Chief of Defence Force.

The DDIS's organisation and structure reflects the Defence Force's operational focus and areas of primary defence interest. These areas are the South Pacific, South East Asia, North and South Asia, and those regions where the Defence Force contributes personnel to United Nations' deployments.

DDIS is not a foreign intelligence collection agency, but rather it draws upon intelligence from a wide range of sources. It is similar to the EAB in that its activities are not inherently secret, although its reports and assessments are classified. Those reports may be shared with the other New Zealand intelligence agencies and overseas friends, particularly Australia.

DDIS is represented on the National Assessments Committee, the Foreign Intelligence Requirements Committee and watch groups, and provides support to the Chief of Defence Force when he attends meetings of the Officials Committee for Domestic and External Security Coordination.

DDIS contributes to current and national assessments that have Defence Force involvement. An example of this is DDIS's responsibility for producing for the government's consideration military-threat assessments for possible Defence Force deployments. Threat assessments consider all the operational and environmental factors that may pose a threat to Defence Force personnel, from operational dangers to health hazards. Once a deployment takes place, DDIS continues to monitor the security situation on the ground.

The *New Zealand Intelligence Corps (NZIC)* analyses information from a variety of sources and provides commanders with intelligence on such things as enemy locations, capabilities and intentions. The NZIC is one of the smallest corps in the New Zealand Army. It was formed in 1942, apparently disbanded in 1947, and reformed in 1985. It has both regular and territorial members. The corps school is known as the School of Military Intelligence and Security and is located in Waiohuru Army Camp. Each major Army Camp in New Zealand has Intelligence posts, like Trentham (1st NZ Military Intelligence Company) or Waiohuru (School of Signals; School of Military Intelligence). Headquarters of the New Zealand Defence Force are in Wellington which also includes the Strategic Commitments and Intelligence Branch; Communications and Information Systems Branch; Security

Soldiers for the Intelligence corps are mainly drawn from the two regular force battalions, 1 RNZIR and 2/1 RNZIR. The largest dedicated sub-unit within the corps is **1 (NZ) Military Intelligence Company** (formerly the Force Intelligence Group) which is based at Trentham Military Camp. The corps association is known as Sub Rosa and has a mix of both current and retired members that have served within intelligence positions.

The **Royal NZ Corps of Signals** provides, co-ordinates and operates the Army's communication network, nationally and internationally. Army signallers operate high-powered multi-channel radio and automatic telephone equipment and IT systems, in addition to radios used by the rest of the Army.

Integrated Mission Support Squadron (IMSS)

The creation of a new Squadron within the RNZAF is recognition that the NZ Defence Force is stepping up to the digital age. On July 1 2007, the RNZAF formally established the Integrated Mission Support Squadron (IMSS) at RNZAF Base Auckland. The formation of the IMSS marks a new era in military air operations. The role of the IMSS is broad, reflecting the complex nature of modern aircraft systems and technology. It includes everything from software engineering, simulation systems and simulator scenario development to mission briefing, mission systems preparation, and intelligence support and mission data analysis. Some of these functions have previously existed in the work carried out by the Operational Software Maintenance Unit (OSMU) and the 5 Squadron Intelligence Section. These units are now integrated into the IMSS. The IMSS Mission Support Flight (MSF) is the hub of the mission support process, housing the data analysis team, Intelligence staff and mission support specialists who will support flying operations and conduct analysis of post mission data.

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

Wikipedia

CIA World Factbook

NZSIS <http://www.nzsis.govt.nz/>

Dept. Of the Prime Minister <http://www.dpmc.govt.nz/>

Police <http://www.police.govt.nz/>

Government Communications Security Bureau (GCSB) <http://www.gcsb.govt.nz/>

Customs <http://www.customs.govt.nz>

New Zealand Information Security Manual 2011 www.gcsb.govt.nz/newsroom/nzism/NZISM_2011_Version_1.01.pdf

Maritime New Zealand <http://www.maritimenz.govt.nz/>

New Zealand Defense Force <http://www.nzdf.mil.nz/>

Navy <http://www.navy.mil.nz>

Army <http://www.army.mil.nz/>

Air Force <http://www.airforce.mil.nz/>

Sub Rosa <http://www.upperhuttcommunity.net/subrosa/index.html>

New Zealand Defence Force <http://www.defencecareers.mil.nz/army/jobs/intelligence-operator>

DDIS <http://www.dpmc.govt.nz/dpmc/publications/securingoursafety/ddis>

New Zealand Institute of Intelligence Professionals <http://nziip.org.nz/>

Intelligence profile: **Afghanistan**



BACKGROUND

Afghanistan was founded in 1747. The country served as a buffer between the British and Russian Empires until it won independence from notional British control in 1919. A brief experiment in democracy ended in a 1973 coup and a 1978 Communist counter-coup. The Soviet Union invaded in 1979 to support the tottering Afghan Communist regime, touching off a long and destructive war. The USSR withdrew in 1989 under relentless pressure by internationally supported anti-Communist mujahedin rebels. A series of subsequent civil wars saw Kabul finally fall in 1996 to the Taliban, a hardline Pakistani-sponsored movement that emerged in 1994 to end the country's civil war and anarchy. Following the 11 September 2001 terrorist attacks in New York City and Washington, D.C., a US, Allied, and anti-Taliban Northern Alliance military action toppled the Taliban for sheltering Osama BIN LADIN. The UN-sponsored Bonn Conference in 2001 established a process for political reconstruction that included the adoption of a new constitution, a presidential election in 2004, and National Assembly elections in 2005. In December 2004, Hamid KARZAI became the first democratically elected president of Afghanistan and the National Assembly was inaugurated the following December. KARZAI was re-elected in August 2009 for a second term. Despite gains toward building a stable central government, a resurgent Taliban and continuing provincial instability - particularly in the south and the east - remain serious challenges for the Afghan Government. In January 2011, Afghanistan assumed a nonpermanent seat on the UN Security Council for the 2012-13 term.

GENERAL

Official name: Jomhuri-ye Eslami-ye Afghanistan (Islamic Republic of Afghanistan)
Short name: Afghanistan (Afghanistan)
Former name: Republic of Afghanistan
Capital: Kabul
34 provinces: Badakhshan, Badghis, Baghlan, Balkh, Bamiyan, Daykundi, Farah, Faryab, Ghazni, Ghor, Helmand, Herat, Jowzjan, Kabul, Kandahar, Kapisa, Khost, Kunar, Kunduz, Laghman, Logar, Nangarhar, Nimroz, Nuristan, Paktika, Paktiya, Panjshir, Parwan, Samangan, Sar-e Pul, Takhar, Uruzgan, Wardak, Zabul

MILITARY

Afghan Armed Forces: Afghan National Army (ANA, includes Afghan Air Force (AAF))

INTELLIGENCE & SECURITY AGENCIES

Khadamat-e Aetla'at-e Dawlati (KhAD) / State's Information Services

Afghan Public Protection Force (APPF)

امدیت اداره ملی امنیت ملی / National Directorate of Security a.k.a. Amaniyat

افغانه سرتان ملی پولیس / Afghan National Police

Cashf Tolai / Intelligence Company

Afghan National Guard

The *National Directorate of Security* a.k.a. *Amaniyat* is the domestic intelligence agency of the government of Afghanistan and was established in 2001. The Director of National Security reports directly to the President. The NDS has about 30 departments and different branches all over the country. There have been allegations of human rights abuses committed against alleged Taliban detainees captured by NATO forces and given into NDS custody.

Afghan Public Protection Force (APPF)

The APPF is a pay-for-service Afghan government security service provider under the Ministry of Interior that protects people, infrastructure, facilities, construction projects and convoys. It is organized as a State Owned Enterprise (SOE) in order to be able to contract with domestic and international customers for security services.

The APPF was established in 2009 and provides security for international, government and non-governmental entities, sites and facilities. As a result of Presidential Decree 62, the APPF's role will grow substantially over the next year as it takes over security responsibility from private security companies. The force is headquartered in Kabul with eight regional zone headquarters in Herat, Shamshad, Mazara, Kunduz City, Kandahar, Gardez, Helmand City, and Jalalabad City. Within the main headquarters, the APPF is led by the Deputy Minister who also serves as chairman of the APPF SOE Executive Board. He has two deputies. The APPF operates a Training Center in Kabul's Bagrami district that trains guards in static and convoy security programs of instruction.

Khadamat-e Aetla'at-e Dawlati (KhAD), is the main security agency and intelligence agency of Afghanistan, and also served as the secret police during the Soviet occupation. Successor to AGSA (Department for Safeguarding the Interests of Afghanistan) and KAM, KhAD was nominally part of the Afghan state, but it was firmly under the control of the Soviet KGB until 1989. In January 1986 its status was upgraded and it was thereafter officially known as the "Ministry of State Security" (Wizarat-i Amaniyyat-i Dawlati, or WAD).

After the December 1979 Soviet invasion, KAM was renamed and came under the control of the KGB. This was an agency specifically created for the suppression of the Democratic Republic's internal opponents. However, KHAD has continued to operate after the fall of the Soviet backed government in 1992 and acted as the intelligence arm of the United Front or "Northern Alliance" during the Civil war in Afghanistan (1996–2001).

Little is known of its internal organization and most of its records were either destroyed by the Taliban (along with its headquarters) or were taken to Moscow by the KGB (particularly ones which outlined membership, informants, and assignments with Soviet or KGB personnel) where they remain classified to this day. KhAD was also responsible for co-opting religious leaders. It funded an official body known as the Religious Affairs Directorate and recruited pro-regime ulama and mosque attendants to spy on worshippers.

The *Afghan National Police* (ANP) is an organization that falls under the control and responsibility of the Afghan Ministry of Interior, along with the Counter-Narcotics Police of Afghanistan (CNPA) and the Counter Terrorism Department. The ANP is composed of the following sub-agencies: the Afghan Border Police, the Afghan Uniform Police, the Afghan Highway Police, and the Criminal Investigation Department.

Army Combat Support Battalions

Combat Support Battalions (CSB) provide specialized services for infantry battalions. The CSB role includes motor fleet maintenance, specialized communications, scouting, engineering, and long range artillery units. Each CSB includes an Intelligence Company called a Cashf Tolai. They are responsible for collecting information about the surrounding area and Taliban activities. The members of the unit interact closely with the local residents in an effort to deny the Taliban control over the surrounding area.

The *Afghan National Guard* is responsible for the protection of vulnerable personnel and facilities.

RELATED NUMBERS STATIONS

Shortly after the US attack in October 2001, the following two Russian numbers transmissions were heard. The transmissions were in Tajik and Farsi, both languages are widely spoken in Afghanistan and were never before used by the Russians.

17460 kHz, 28-10-2001, 1200 UTC. Russian Man with a transmission in Farsi: 464 464 464 925 925 10 10 5FGs. Ends with 00000

15770 kHz, 28-10-2001, 1300 UTC. Russian Lady with a transmission in Tajik: 464 464 464 597 597 13 13 5FGs. Ends with 00000

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

Wikipedia

CIA World Factbook

Afghan National Police <http://moi.gov.af>

Afghan Public Protection Force <http://www.appf.gov.af>

DVIDS <http://www.dvidshub.net/news>

Intelligence profile: **Saudi Arabia**



BACKGROUND

Saudi Arabia is the birthplace of Islam and home to Islam's two holiest shrines in Mecca and Medina. The king's official title is the Custodian of the Two Holy Mosques. The modern Saudi state was founded in 1932 by ABD AL-AZIZ bin Abd al-Rahman Al SAUD (Ibn Saud) after a 30-year campaign to unify most of the Arabian Peninsula. One of his male descendents rules the country today as required by the country's 1992 Basic Law. Following Iraq's invasion of Kuwait in 1990, Saudi Arabia accepted the Kuwaiti royal family and 400,000 refugees while allowing Western and Arab troops to deploy on its soil for the liberation of Kuwait the following year. The continuing presence of foreign troops on Saudi soil after the liberation of Kuwait became a source of tension between the royal family and the public until all operational US troops left the country in 2003. Major terrorist attacks in May and November 2003 spurred a strong on-going campaign against domestic terrorism and extremism.

The 2010-11 uprising across Middle Eastern and North African countries sparked modest incidents in Saudi cities, predominantly by Shia demonstrators calling for the release of detainees and the withdrawal from Bahrain of the Gulf Cooperation Council's Peninsula Shield Force. Protests in general were met by a strong police presence, with some arrests, but not the level of bloodshed seen in protests elsewhere in the region.

GENERAL

Country name: Al Mamlakah al Arabiyah as Suudiyah (Kingdom of Saudi Arabia)
Short name: Al Arabiyah as Suudiyah (Saudi Arabia)
Capital: Riyadh
13 provinces: Al Bahah, Al Hudud ash Shamaliyah, Al Jawf, Al Madinah, Al Qasim, Ar Riyad, Ash Sharqiyah, 'Asir, Ha'il, Jizan, Makkah. Najran, Tabuk

MILITARY

Ministry of Defense and Aviation Forces: Royal Saudi Land Forces, Royal Saudi Naval Forces (includes Marine Forces and Special Forces), Royal Saudi Air Force (Al-Quwwat al-Jawwiya al-Malakiya as-Sa'udiya), Royal Saudi Air Defense Forces, Royal Saudi Strategic Rocket Forces, Saudi Arabian National Guard (SANG)

INTELLIGENCE & SECURITY AGENCIES

Ri'āsat Al-Istikhbārāt Al-'Āmah / General Intelligence Presidency
al-Mabahith al-'Ammah / General Investigation Directorate
Military Intelligence and Security section G-2
Majlis al-Amn al-Waṭanī as-Su'ūdī / Saudi National Security Council
Saudi Police Forces
al-Ḥaras al-Waṭanī / Saudi Arabian National Guard

The *Majlis al-Amn al-Waṭanī as-Su'ūdī* is the body in charge of coordinating Saudi Arabia's national security, intelligence and foreign policy strategy. It was established in 2005 by the king in response to major geopolitical shifts in the Middle East region. The Council was formed to act as an organizational mechanism that coordinates the Kingdom's internal and external policies relating to national security, enabling it to respond effectively to rapidly changing domestic, regional and international environments. It has the power to declare war and investigate security agencies if they are involved in acts that threaten national security. The latter role was deemed necessary since some security agencies are suspected to have been infiltrated by Al-Qaeda, including the Committee for the Promotion of Virtue and the Prevention of Vice or religious police. Despite the formation of the Council, as with other Saudi government institutions, major national security decisions will continue to be taken by the most senior members of the royal family, including King Abdullah, Crown Prince Sultan and Prince Nayef.

The SNSC is chaired by the King (who is also Prime Minister), with the Crown Prince (who is also Deputy Prime Minister) as deputy chairman.

The *Ri'āsat Al-Istikhbārāt Al-'Āmah (GIP)*, is the primary intelligence agency of the Kingdom of Saudi Arabia. GIP aims first and foremost to provide security and stability, and to work towards preserving the gains of the homeland inside and outside the kingdom. It is an administrative entity that has a specific organizational structure, and holds a set of clear strategies and goals that endeavours to achieve in accordance with firm principles and values which conform, in essence and content, to the unwavering fundamentals on which Saudi Arabia stands.

The mission of the Presidency is “provide strategic intelligence, contribute to achieve national security, and provide timely information to the authorities, so that they can take rapid and appropriate actions.”

The GIP does this through:

- Early collection of information about countries of interest.
- Planning and executing intelligence operations in these countries.
- Countering espionage, intellectual and material destruction and uncovering hostile individuals.
- Coordinating specialized studies and strategic research by the intelligence staff and in cooperation with universities, research centers, security bodies and other intelligence services.
- Monitoring the changing domestic and international situation.

Structure:

President of General Intelligence

Vice President of General Intelligence

General Department For Follow-up

Public Relations

Financial and Administrative

Assistant of President for Technical Affairs

Assistant of President for Planning and Training

Assistant of President for Intelligence Affairs

Military Intelligence and Security section G-2

In addition to civilian forces, the Saudi military has extensive intelligence forces. The main agency for military and foreign intelligence is the G-2 Intelligence Section. The Ministry of Defense coordinates military intelligence and security operations, most of which are secret. Saudi military forces utilize the advanced surveillance and espionage technology in the region, gathering a wide range of electronic, signals, communications, remote, and human intelligence information.

The *al-Mabahith al-'Ammah (GID)*, also called Mabahith, is the secret police agency of the Ministry of Interior in Saudi Arabia. According to Human Rights Watch, the Mabahith "monitors suspected political opponents and others, targets individuals for arrest, and interrogates detainees. Mabahith agents operate with impunity and have been responsible for a wide range of human rights abuses, including arbitrary arrest, incommunicado detention, and torture." Mabahith runs the infamous 'Ulaysha Prison in Riyadh, where it holds prisoners under arbitrary detention.

General Directorate of Public Security

By royal decree in 1950, Abd al Aziz created a General Directorate to supervise all police functions in the kingdom, and a year later he established the Ministry of Interior, which has since been in charge of police matters. Subordinate to the Ministry of Interior general directorates charged with maintaining internal security included Public Security, Investigation, Coast Guard, and Special Security. The offices of the deputy ministers for administration, national security affairs, and immigration and naturalization, and the Internal Security Forces College were all on the same organizational level as the four general directorates. Governors of the emirates reported directly to the minister of interior.

MOI General Public Security structure

General Public Security

Office of the Director-General

Assistant for Administrative Affairs

Assistant for Planning and Development

Assistant for Security Affairs

Assistant for Procurement and Supplies: Administration of Hajj and Omrah, Legal Affairs Administration, Tenders Administration, Budget Administration, Financial Administration, Consultants Administration

General Administrations: Security Patrols, Traffic Department, Public Relations and Guidance, Follow-up Administration, Projects and Engineering Affairs, Telecommunications Administration

Forces: Roads Security Special Forces, Emergency Special Forces

Regional Police Departments: Al-Madinah Police, Ar-Riyadh Police, Makkah Police, Hail Police, Al-Qassim Police, Asir Police, Al-Baha Police, Najran Police, Al-Jouf Police, Eastern region Police, Tabouk Police, Northern border police, Jazan Police

Saudi Police Forces

The Saudi Arabia Police is responsible for the maintenance of peace and order throughout the country. The Police force in Saudi Arabia was formed under the rule of the first king but was not really an organized body as it is today. In addition to the police, the responsibility for the maintenance of law and order was also shared by the Shaykhs of the tribal groups. This power was granted to them by the King of Saudi Arabia. They even had the power to punish offenders of the civil law. The police force of Saudi Arabia is known as the Public Security Forces and are structured under the MOI. This force can seek help from the military forces in times of need. Around the beginning of the 1960s, significant changes were made to modernize the police forces. The steps included providing the police men with radio communication equipments as well as new vehicles. Increasing number of natives were recruited in the Saudi Arabia Police force and the forces were distributed all over the nation.

The Police Force in Saudi Arabia is segregated into two distinct divisions. There is the usual Police security force and the other one is the Investigative Police Force. The latter is responsible for handling investigations of criminal cases and works under the Directorate of Investigation. They are also known as the Secret Police.

There is yet another kind of Police force in Saudi Arabia, the Religious Police. There are several groups operating these forces. The Religious Police of Saudi Arabia are maintained to ensure the strict assertion of Islamic code of conduct throughout the nation. The religious police, or mutawa (or Mutaween, their official name being Committee for the Promotion of Virtue and the Prevention of Vice) enforce Islamic codes of behavior. The mutawa ensure that there is strict separation of the sexes in public, that businesses close at prayer time, pressure women to wear traditional dress and, in some areas, prevent them driving cars. Often accompanied by a police escort, the mutawa can order the detention and arrest of "violators". Criticism of the mutawa by Saudis has grown since 2002, when 15 schoolgirls died in a fire at their school in Mecca after the mutawa allegedly prevented male rescuers from entering because the girls were not veiled.

The al-Ḥaras al-Waṭānī (SANG, also known as the White Army) is a separate military force of the Kingdom of Saudi Arabia. It is not part of the Saudi Arabian Defence Forces, due to its specific role as a counterbalance to the regular military. It serves both as defence force against external threats and as a security force against internal threats. Its duties include protecting the royal family, guarding against coups, protecting strategic facilities and resources, and protecting the Holy Places of Mecca and Medina.

The SANG communications and chain of command has maintained a separate network from regular Saudi Arabian military channels with a senior member of the royal family as its head. The three Regional (Eastern, Central and Western) sectors each command one or more mechanized or motorized brigades, several independent Security and Military Police and logistical battalions, but also the irregular militia battalions.

SOURCES / RELATED WEBSITES / FURTHER INFORMATION

Wikipedia

CIA World Factbook

GIP <http://www.gip.gov.sa/>

MOI <http://www.moi.gov.sa>

National Guard <http://www.sang.gov.sa>

National Guard Health Affairs <http://www.ngha.med.sa>

Brassey's International Intelligence Yearbook 2003

LOGS SECTION

Freq.	date	day	UTC	enigma	remarks	mode	contributor
3297	1-9-2012	Sat	1133	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	1-9-2012	Sat	1308	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	1-9-2012	Sat	1604	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	2-9-2012	Sun	1157	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	2-9-2012	Sun	1457	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	2-9-2012	Sun	1650	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	2-9-2012	Sun	1932	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	3-9-2012	Mon	1437	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	3-9-2012	Mon	1813	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	4-9-2012	Tue	1641	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	4-9-2012	Tue	2038	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	5-9-2012	Wed	1211	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	5-9-2012	Wed	1537	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	5-9-2012	Wed	1901	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	5-9-2012	Wed	2151	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	6-9-2012	Thu	1207	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	8-9-2012	Sat	1306	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	8-9-2012	Sat	1938	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	8-9-2012	Sat	2128	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1232	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1232	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1503	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1503	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1953	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	9-9-2012	Sun	1953	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	10-9-2012	Mon	1027	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	10-9-2012	Mon	1529	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	10-9-2012	Mon	1938	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	10-9-2012	Mon	2130	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	11-9-2012	Tue	1306	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	11-9-2012	Tue	1432	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	11-9-2012	Tue	1932	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	12-9-2012	Wed	1225	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	14-9-2012	Fri	1257	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	14-9-2012	Fri	1257	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	15-9-2012	Sat	1849	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	18-9-2012	Tue	1209	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	18-9-2012	Tue	1433	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	19-9-2012	Wed	1255	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	19-9-2012	Wed	1446	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	19-9-2012	Wed	1559	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	19-9-2012	Wed	1845	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	20-9-2012	Thu	1235	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	21-9-2012	Fri	1143	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	21-9-2012	Fri	1641	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	21-9-2012	Fri	1731	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	21-9-2012	Fri	1956	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	22-9-2012	Sat	1535	M89	gkvz gkvz gkvz de q7nw q7nw v	CW	(AtB)
3297	23-9-2012	Sun	1105	M89	(In tfc - 4 fig - mostly unreadable) V GKVZ (x3) DE Q7NW (x2)	CW	(JPL-HK)
3297	23-9-2012	Sun	1152	M89	"...V GKVZ GKVZ GKVZ DE Q7NW Q7NW..."	CW	(Q-HK)
3297	24-9-2012	Mon	1207	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	24-9-2012	Mon	1452	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	26-9-2012	Wed	1033	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
3297	26-9-2012	Wed	1629	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	26-9-2012	Wed	1732	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	26-9-2012	Wed	2115	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	28-9-2012	Fri	2054	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	28-9-2012	Fri	2212	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	29-9-2012	Sat	2118	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	30-9-2012	Sun	1528	M89	(In tfc - mostly U/R) V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3297	30-9-2012	Sun	2003	M89	(In tfc - mostly U/R) V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
3324	27-9-2012	Thu	1750	RMv	Russian Mil. A man reads a report about the results of the military training in the unit "Rota" (approx 100 people).	USB	(AnRus)
3331	27-9-2012	Thu	1910	RMv	Russian Mil. c/s "Rotor-86", "Kornet-66"	USB	(AnRus)
3510	13-9-2012	Thu	1832	M01b	201-571/30=21966 //4605	CW	(HFD)
3515	7-9-2012	Fri	0254	M01a	"322 322 322 30734 30734" and switching at 0255 to "322 322 322 31544 31544". The last message was sent 6 times and then the station shut down without any special end message or prosign.	CW	(CK)
3520	21-9-2012	Fri	2010	M01b	582-571/30=21966 //4585	CW	(HFD)
3535	3-9-2012	Mon	1810	M01b	420-571/30=21966 //4590	CW	(HFD)
3560	24-8-2012		1202	MX	Beacon "M"	CW	(IARUMS)
3625	7-9-2012	Fri	1902	M01b	153-571/30=21866 //4941	CW	(HFD)
3642	3-9-2012	Mon	1439	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL-HK)
3642	3-9-2012	Mon	1815	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL-HK)
3645	3-9-2012	Mon	1915	M01b	771-571/30=21966 //4455	CW	(HFD)
3756	4-9-2012	Tue	2227	S30	Pip	CW	(LG2)
3756	20-9-2012	Thu	2047	S30	Russian Mil. channel marker "pip"	CW	(AB)
3793	23-9-2012	Sun	1103	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3793	24-9-2012	Mon	1209	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3793	24-9-2012	Mon	1454	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	1-9-2012	Sat	1154	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	1-9-2012	Sat	1310	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	3-9-2012	Mon	1817	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	5-9-2012	Wed	1213	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	5-9-2012	Wed	1541	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	5-9-2012	Wed	1903	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	10-9-2012	Mon	1531	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	10-9-2012	Mon	1940	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	10-9-2012	Mon	2132	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	15-9-2012	Sat	1851	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	18-9-2012	Tue	1211	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	18-9-2012	Tue	1437	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
3797	19-9-2012	Wed	1255	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	19-9-2012	Wed	1448	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	19-9-2012	Wed	1601	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	20-9-2012	Thu	1237	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	22-9-2012	Sat	1545	M89	h2fl h2fl h2fl de drv8 drv8 v	CW	(AtB)
3797	26-9-2012	Wed	1633	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	26-9-2012	Wed	1734	M89	Sending UGT COMM msg. V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	26-9-2012	Wed	2126	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	28-9-2012	Fri	2056	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	29-9-2012	Sat	2125	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	30-9-2012	Sun	1111	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	30-9-2012	Sun	1530	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3797	30-9-2012	Sun	2005	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL-HK)
3826	3-9-2012	Mon	2116	M32	CIS Mil. ZFYB	CW	(BCI)
3827	29-9-2012	Sat	1750	M32	Russian Mil net. 1ZIK wkg Zh2MG, YZhTsZ, 8TIS and several other stations	CW	(AnRus)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
3828	20-9-2012	Thu	2047	S32	Russian Mil. channel marker "squeaky wheel"	USB	(AB)
3882	3-9-2012	Mon	1723	M18	2326 2326 2326 (UTC time 1723)	CW	(Avare)
3883	2-9-2012	Sun	1829	M18	2230 2230 2230 ... New frequency	CW	(FN)
3883	3-9-2012	Mon	2115	M18	0317 0317 0318 etc	CW	(AB)
3883	7-9-2012	Fri	1732	M18	0032 0032 0033 etc	CW	(AB)
4036	11-9-2012	Tue	1326	---	B4NR (R4)	CW	(JPL-HK)
4036	11-9-2012	Tue	1353	----	In progress "B4NR" (R7)	CW	(JPL-HK)
4036	11-9-2012	Tue	1420	----	"B4NR" (R10)	CW	(JPL-HK)
4036	15-9-2012	Sat	1820	---	B4NR (R10)	CW	(JPL-HK)
4047	11-9-2012	Tue	1438	M89	8NOS DE CM8Z followed by traffic (see N&O 180)	CW	(JPL-HK)
4047	11-9-2012	Tue	1959	M89	vv 00QX DE CM8Z K (see N&O 180)	CW	(JPL-HK)
4047	14-9-2012	Fri	1428	M89	VV 00QX 00QX DE CM8Z CM8Z K. 8NOS 8NOS DE CM8Z CM8Z K. F1PZ F1PZ DE CM8Z CM8Z K (see N&O 180)	CW	(JPL-HK)
4074	5-9-2012	Wed	1912	RADv	PVO "34-y". "84-ya 155 na 45".	USB	(SSh)
4082	28-8-2012		1900	RADv	PVO	USB	(RSRu)
4153	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
4225	1-9-2012	Sat	1131	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	1-9-2012	Sat	1304	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	1-9-2012	Sat	1600	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	1-9-2012	Sat	2339	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	2-9-2012	Sun	1307	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	2-9-2012	Sun	1646	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	2-9-2012	Sun	1928	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	2-9-2012	Sun	2330	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	3-9-2012	Mon	1048	M89	Message. See N&O 180 followed by V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	3-9-2012	Mon	1433	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	3-9-2012	Mon	1826	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	3-9-2012	Mon	1841	M89	VV UGT COMM BT BT 7751/0310/232/1951 AR. V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	4-9-2012	Tue	1011	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	4-9-2012	Tue	1635	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	4-9-2012	Tue	2034	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	5-9-2012	Wed	1205	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	5-9-2012	Wed	1533	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	5-9-2012	Wed	1857	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	5-9-2012	Wed	2149	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	7-9-2012	Fri	2246	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	9-9-2012	Sun	1949	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	9-9-2012	Sun	1949	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	10-9-2012	Mon	1018	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	10-9-2012	Mon	1525	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	10-9-2012	Mon	1932	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	11-9-2012	Tue	1243	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	11-9-2012	Tue	1928	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	11-9-2012	Tue	2259	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	12-9-2012	Wed	1316	M89	In chat	CW	(JPL-HK)
4225	15-9-2012	Sat	1103	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	15-9-2012	Sat	1845	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	26-9-2012	Wed	1036	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	26-9-2012	Wed	1625	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	26-9-2012	Wed	1728	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	26-9-2012	Wed	2113	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
4225	28-9-2012	Fri	2050	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
4225	28-9-2012	Fri	2208	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
4225	29-9-2012	Sat	2114	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
4225	30-9-2012	Sun	1105	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	30-9-2012	Sun	1525	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4225	30-9-2012	Sun	1959	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL-HK)
4231.5	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
4331	9-9-2012	Sun	2300	M22	4XZ IDF/Israeli Navy Haifa five figure groups	CW	(LG2)
4331	18-9-2012	Tue	1959	MX	4xz, in progress.	CW	(Q-HOL)
4331	21-9-2012	Fri	1824	M22	4XZ in progress	CW	(Q-HOL)
4331	28-9-2012	Fri	1844	M22	4XZ in progress "...= vvv de 4xz 4xz =...".	CW	(Q-HOL)
4391	8-9-2012	Sat	1923	M21	PVO =992324??0?????	CW	(AB)
4454	4-9-2012	Tue	1842	S21	454-794/30=87455 //4854	USB	(HFD)
4454	11-9-2012	Tue	1842	S21	454 794 30	USB	(tiNG)
4454	27-9-2012	Thu	1842	S21	454 794 794 30 30 87455 64099 à 90656 794 794 30 30 000	USB	(tiNG)
4455	3-9-2012	Mon	1915	M01b	771-571/30=21966 //3645	CW	(HFD)
4489	21-9-2012	Fri	1800	M32	ETSO: Russian Mil. Comms check with at least S7WF, IRWP, W51O. All respond on QSX freq 3981 kHz. ,	CW	(MPJ)
4494	21-9-2012	Fri	1659	RMv	Russian Mil: Grafit-71, ya Faza-31, priyom	USB	(AnRus)
4508	25-9-2012	Tue	1937	RMv	Russian Mil.	USB	(AnRus)
4512	1-9-2012	Sat	1310	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	1-9-2012	Sat	1608	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	3-9-2012	Mon	1441	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	4-9-2012	Tue	1708	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	4-9-2012	Tue	2040	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	5-9-2012	Wed	1213	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	5-9-2012	Wed	1541	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	5-9-2012	Wed	1903	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	8-9-2012	Sat	1308	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	8-9-2012	Sat	1942	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1236	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1236	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1507	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1507	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1955	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	9-9-2012	Sun	1955	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	10-9-2012	Mon	1531	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	10-9-2012	Mon	1940	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	10-9-2012	Mon	2132	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	11-9-2012	Tue	1430	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	12-9-2012	Wed	1345	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	15-9-2012	Sat	1851	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	19-9-2012	Wed	1255	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	19-9-2012	Wed	1448	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	19-9-2012	Wed	1601	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	19-9-2012	Wed	1847	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	20-9-2012	Thu	1237	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	21-9-2012	Fri	1203	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	21-9-2012	Fri	1643	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	21-9-2012	Fri	1736	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	21-9-2012	Fri	1958	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	23-9-2012	Sun	1103	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	24-9-2012	Mon	1209	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	24-9-2012	Mon	1454	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	26-9-2012	Wed	1633	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	26-9-2012	Wed	1734	M89	Sending UGT COMM msg. V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	26-9-2012	Wed	2126	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	28-9-2012	Fri	2056	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
4512	28-9-2012	Fri	2216	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
4512	29-9-2012	Sat	2125	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	30-9-2012	Sun	1111	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	30-9-2012	Sun	1530	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4512	30-9-2012	Sun	2005	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL-HK)
4555	4-9-2012	Tue	1802	M45	555-794/30=87455 //4955	CW	(HFD)
4555	11-9-2012	Tue	1802	M45	555 794 30	CW	(tING)
4555	25-9-2012	Tue	1802	M45	555 794 794 30 30 = = 87455 64099 à 90656 = = 794 794 30 30 000	CW	(tING)
4555	27-9-2012	Thu	1802	M45	555 794 794 30 30 = = etc	CW	(tING)
4557	24-9-2012	Mon	1337	M32	Russian Mil: XXX XXX MDZhB MDZhB 46 473 OBVIMONYJ 6312 0544	CW	(Avare)
4557.8	22-9-2012	Sat	2314	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
4562	24-9-2012	Mon	----	RMv	Russian Mil. c/s "Raketa-42" and "Obryv-61"	USB	(AnRus)
4570	13-9-2012	Thu	1942	M01b	477-571/30=21966	CW	(HFD)
4570	20-9-2012	Thu	1942	S21	477 751 30 21966 24298 à 45302 571 571 30 30 000	USB	(tING)
4570	27-9-2012	Thu	1942	M01b	477 571 571 30 30 = = 21966 24298 à 45302 = = 571 571 30 30 000	CW	(tING)
4585	21-9-2012	Fri	2010	M01b	582-571/30=21966 //3520	CW	(HFD)
4586	25-9-2012	Tue	2030	UADv	Ukrainian Air Defense. "Chitka" wkg several stations	USB	(AnRus)
4590	1-9-2012	Sat	1128	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
4590	1-9-2012	Sat	1306	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
4590	1-9-2012	Sat	1602	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
4590	2-9-2012	Sun	1930	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	3-9-2012	Mon	1435	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	3-9-2012	Mon	1810	M01b	420-571/30=21966 //3535	CW	(HFD)
4590	3-9-2012	Mon	1811	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	4-9-2012	Tue	2036	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
4590	5-9-2012	Wed	1535	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	5-9-2012	Wed	1859	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	6-9-2012	Thu	1202	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	8-9-2012	Sat	1936	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	8-9-2012	Sat	2126	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	14-9-2012	Fri	2015	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	29-9-2012	Sat	2116	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	30-9-2012	Sun	1527	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4590	30-9-2012	Sun	2001	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //7607	CW	(JPL-HK)
4599	3-9-2012	Mon	1713	G06	Test count	AM	(Avare)
4604	17-9-2012	Mon	2016	M32a	RIT: Navy Severomorsk. Simplex traffic with RFK77 exchanging VLKKMKLK string	CW	(PPA)
4604	17-9-2012	Mon	2018	M32a	RFK77: Russian navy ship in contact with RIT	CW	(PPA)
4605	13-9-2012	Thu	1832	M01b	201-571/30=21966 //3510	CW	(HFD)
4606	20-9-2012	Thu	1832	M01b	201 571 571 30 30 = = 21966 24298à.45302 = = 571 571 30 30 000	CW	(tING)
4615	12-9-2012	Wed	1920	E06	154 0	AM	(HFD)
4625	3-9-2012	Mon	0517	S28	MDZhB SKAZANIYe 66 77	USB	(Avare)
4625	3-9-2012	Mon	0517	S28	MDZhB SKAZANIYe 66 77	USB	(PA)
4625	3-9-2012	Mon	0620	S28/XM	S28 with feed back on the same channel	USB	(Avare)
4625	3-9-2012	Mon	0700	S28	MDZhB 46 691 UGLERODNYJ 28 15 38 28	USB	(AB-EST)
4625	3-9-2012	Mon	0700	S28	MDZhB 46 691 UGLERODNYJ 28 15 38 28	USB	(KC2TTK)
4625	3-9-2012	Mon	0705	S28	MDZhB 07 520 YaGEL' 58 28 84 99	USB	(AB-EST)
4625	3-9-2012	Mon	0705	S28	MDZhB 07 520 YaGEL' 58 28 84 99	USB	(KC2TTK)
4625	3-9-2012	Mon	0710	S28	MDZhB 93 551 UGLERODNYJ 28 15 38 28	USB	(AB-EST)
4625	3-9-2012	Mon	0710	S28	MDZhB 93 551 UGLERODNYJ 28 15 38 28	USB	(KC2TTK)
4625	3-9-2012	Mon	0714	S28	MDZhB 64 075 YeGYeLON 45 74 18 67	USB	(AB-EST)
4625	3-9-2012	Mon	1330	S28	MDZhB 82 337 AGATU 78 87 78 40 OVChYeTINA 43 78 09 41	USB	(AB-EST)
4625	4-9-2012	Tue	0658	S28	MDZhB SKAZATYel' 97 20	USB	(AB-EST)

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4625	4-9-2012	Tue	0823	S28	Mic open. Male voice saying "hallo", female answers (unreadable)	USB	(Avare)
4625	5-9-2012	Wed	1336	S28	The new buzzer stopped at 1336 UTC, then 8 minutes silence followed by the old buzzer at 1344 UTC	USB	(AB-EST)
4625	6-9-2012	Thu	0500	S28	MDZhB YuKAGIR 19 14	USB	(AB-EST)
4625	6-9-2012	Thu	1056	S28	MDZhB 09 490 DVOPEK 83 50 10 85 AVO 72 28 46 85	USB	(AB-EST)
4625	7-9-2012	Fri	0400	S28	MDZhB OROBELYJ 55 03	USB	(AB-EST)
4625	7-9-2012	Fri	0757	S28	MDZhB ARKTUR 20 76	USB	(AB-EST)
4625	8-9-2012	Sat	1201	S28	MDZhB PRIMO'E 60 74	USB	(AB-EST)
4625	8-9-2012	Sat	1430	S28	MDZhB KhIShchYeNIE 23 32 TRIFOMA 50 74	USB	(AB-EST)
4625	10-9-2012	Mon	1336	S28	MDZhB 86 619 YaVLENIYe 45 21 00 65 SVITKA 65 06 50 58	USB	(AB-EST)
4625	10-9-2012	Mon	1342	S28	MDZhB 52 743 KVINOKAIN 80 22 73 22	USB	(AB-EST)
4625	12-9-2012	Wed	1243	S28	MDZhB 89 653 TVIN 60 42 84 54	USB	(AB-EST)
4625	12-9-2012	Wed	1247	S28	MDZhB 62 347 UVIDENNYJ 06 05 96 83	USB	(AB-EST)
4625	12-9-2012	Wed	1248	S28	MDZhB 53 153 KVIVET 12 64 44 84	USB	(AB-EST)
4625	16-9-2012	Sun	1128	S28	MDZhB 49 831 AVATN sboj sboj sboj MDZhB 49 831 AVANTYuRIST 88 51 82 22	USB	(Avare)
4625	16-9-2012	Sun	1137	S28	MDZhB 71 557 AVANSOVYJ 30 29 20 09	USB	(Avare)
4625	16-9-2012	Sun	1140	S28	MDZhB 94 681 EVANGELIST 28 21 06 48	USB	(Avare)
4625	16-9-2012	Sun	1258	S28	MDZhB 39 254 KVADRATOR 24 77 40 31	USB	(Avare)
4625	18-9-2012	Tue	2219	S28	Buzzer stopped abruptly	USB	(LG2)
4625	21-9-2012	Fri	0530	S28	94ZhT KhN8S SL5G 52 561 69 155 91 653 VITIE 08 13 50 61	USB	(AB-EST)
4625	23-9-2012	Sun	1849	S28	94ZhT KhN8S SL5G 03 273 49 930 64 128 PICHIK 54 51 89 53	USB	(Avare)
4625	24-9-2012	Mon	1150	S28	MDZhB 91 676 OBRYeDKA 71 ?6 06 61 SBODRYGA 17 50 09 13	USB	(Avare)
4625	24-9-2012	Mon	1200	S28	MDZhB 73 626 OBLOM 66 90 11 33	USB	(Avare)
4625	24-9-2012	Mon	1334	S28	MDZhB 46 473 OBZhIMOCHNYJ 63 12 05 44	USB	(Avare)
4625	24-9-2012	Mon	1349	S28	MDZhB 81 640 OBEZ'YANNIK 55 91 29 70	USB	(Avare)
4625	26-9-2012	Wed	1145	S28	MDZhB 26 563 BASHMACHNIK 36 67 09 22	USB	(Timeok)
4638.5	20-9-2012	Thu	2332	RMv	Russian Mil: Fagot-67	USB	(AnRus)
4639	3-9-2012	Mon	1700	G06	154 0	AM	(HFD)
4639	3-9-2012	Mon	1713	G06	Test count	AM	(Avare)
4709	25-9-2012	Tue	1956	RMv	Russian Mil. c/s "Neytron", "Vesy", "Kol'chuga", "Morekhod", "Negatic", "Dolgota". "Latyn"	USB	(AnRus)
4760	19-9-2012	Wed	1957	RMv	Russian military station "Purga" is communicating with "Raketa", but only "Purga" is heard.	USB	(AnRus)
4828	4-9-2012	Tue	1115	M03	272/00	CW	(HFD)
4854	4-9-2012	Tue	1842	S21	454-794/30=87455 //4454	USB	(HFD)
4854	11-9-2012	Tue	1842	S21	454 794 30	USB	(tING)
4854	20-9-2012	Thu	1842	S21	454 794 30 87455 64099 à 90656 794 794 30 30 000	USB	(tING)
4854	25-9-2012	Tue	1842	S21	454 794 794 30 30 87455 64099 à 90656 794 794 30 30 000	USB	(tING)
4860	1-9-2012	Sat	1323	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840 Note: Sked started 3 CW minutes late which is unusual.	CW	(JPL-HK)
4860	1-9-2012	Sat	1620	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	2-9-2012	Sun	1321	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	2-9-2012	Sun	1920	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	3-9-2012	Mon	1819	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	4-9-2012	Tue	1721	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	8-9-2012	Sat	1320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	8-9-2012	Sat	2120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	9-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	9-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	10-9-2012	Mon	1519	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	15-9-2012	Sat	1919	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	19-9-2012	Wed	1319	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	19-9-2012	Wed	1920	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	21-9-2012	Fri	1719	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	26-9-2012	Wed	1619	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
4860	26-9-2012	Wed	2119	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	28-9-2012	Fri	2219	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	29-9-2012	Sat	2119	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4860	30-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
4880.1	18-9-2012	Tue	1950	M32	2rfk "...de 2rfk..."	CW	(Q-HOL)
4941	7-9-2012	Fri	1902	M01b	153-571/30=21866 //3625	CW	(HFD)
4955	4-9-2012	Tue	1802	M45	555-794/30=87455 //4555	CW	(HFD)
4958	8-9-2012	Sat	1935	S06	843 205 37 04837 92268 47867 ... 35902 49079 205 37 00000	AM	(Avare)
4958	8-9-2012	Sat	1935	S06	843-205/37=04837	USB	(HFD)
4958	15-9-2012	Sat	1935	S06	843 205 37 04837 92268 47867 ... 35902 49079 205 37 00000	AM	(Spec)
4958	22-9-2012	Sat	1953	S06	843 + msg	AM	(Q-HOL)
4960	24-9-2012	Mon	1912	RMv	Russian Mil. "Lider-57 ya Abazhur-02, priyom"	USB	(AnRus)
5020	4-9-2012	Tue	2000	M01	463-295/30=76010	CW	(HFD)
5020	11-9-2012	Tue	2000	M01	463 178 30	CW	(tING)
5020	18-9-2012	Tue	2003	M01	463 ...46951 46951 69513 69513 14287 14287 t5t43 t5t43 t993t t993t 91215 91215 t77t6 t77t6 55554 55554 8838t ..."	CW	(Q-HOL)
5083	5-9-2012	Wed	0517	M32	CIS Mil. SUIX	CW	(BCI)
5087	6-9-2012	Thu	1920	M42	Russian Gov/Intel.	Baudot 200/50	(FMB)
5087	6-9-2012	Thu	1920	M42	6 54	FSK 200/500	(HFD)
5087	20-9-2012	Thu	1920	M42	Russian Intel. 00000+++++++162)5761	FSK 200/500	(AnEur)
5102	21-9-2012	Fri	1820	M21	PVO "...87t2t 3 7989 818 7t..."	CW	(Q-HOL)
5127	10-9-2012	Mon	1905	S06	349 0	AM	(HFD)
5127	13-9-2012	Thu	1905	S06	349 0	AM	(HFD)
5127	27-9-2012	Thu	1905	S06	349 0	AM	(HFD)
5127	27-9-2012	Thu	1905	S06	349 349 349 00000	AM	(tING)
5153	11-9-2012	Tue	1935	MX	beacon "S"	CW	(Q-HOL)
5153.7	7-9-2012	Fri	2230	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
5153.7	11-9-2012	Tue	1936	MX	beacon "D"	CW	(Q-HOL)
5153.7	17-9-2012	Mon	2126	MX	beacon "D"	CW	(Q-HOL)
5153.9	17-9-2012	Mon	2126	MX	beacon "S"	CW	(Q-HOL)
5153.9	21-9-2012	Fri	1817	MX	beacon "S"	CW	(Q-HOL)
5153.9	28-9-2012	Fri	1936	MX	beacon "S"	CW	(Q-HOL)
5153.9	29-9-2012	Sat	0130	MX	"S" CIS Beacon	CW	(TR2)
5154	21-9-2012	Fri	2101	MX	Beacon S Archangel	CW	(LG2)
5154.3	21-9-2012	Fri	1817	MX	beacon "K"	CW	(Q-HOL)
5189	6-9-2012	Thu	2030	E06	891-534/15=62810	AM	(HFD)
5194	7-9-2012	Fri	1710	E11	953/20 Attention 69194 33762 ... 41921 05399 Attention, rpt msg, out	USB	(AB)
5194	8-9-2012	Sat	1710	E11a	953/20	USB	(Q-HOL)
5194	21-9-2012	Fri	1710	E11	959/30=64270	USB	(HFD)
5194	29-9-2012	Sat	1915	E11a	957/25	USB	(AB)
5197	7-9-2012	Fri	2130	E06	634-232/15=14273 distorte	AM	(HFD)
5197	7-9-2012	Fri	2130	E06	634 030 15 14273 92617 61430 26174 87043 72819 37194 60163 53728 45179 27194 92617 26183 93627 29104 030 15 00000	AM	(Spec)
5197	21-9-2012	Fri	2130	E06	634 030 15 14273 92617 61430 26174 87043 72819 37194 60163 53728 45179 27194 92617 26183 93627 29104 030 15 00000	AM	(Spec)
5198	20-9-2012	Thu	2328	M21	Russian Air Defence. Time stamp station	CW	(LG2)
5201	3-9-2012	Mon	2045	M21	PVO	CW	(MOR)
5201	3-9-2012	Mon	2108	M21	PVO =990110??0?????	CW	(AB)
5201	16-9-2012	Sun	0023	M21	PVO, =99t427??t????	CW	(Q-HOL)
5201	21-9-2012	Fri	1926	M21	Russian Air Defence (PVO) =992329??0????? 3 minutes fast.	CW	(MPJ)
5201	29-9-2012	Sat	0130	M21	PVO "=990534??0?????"	CW	(TR2)
5207	17-9-2012	Mon	2103	---	Unid pip (19 pips per minute)	CW	(AB-HK)
5207	19-9-2012	Wed	2129	---	Unid pip (19 pips per minute)	CW	(AB-HK)

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5207	22-9-2012	Sat	1530	---	Unid. 19 pips per minute	CW	(AtB)
5207	29-9-2012	Sat	1215	---	Unid pip. Also at 1313, 1424 and 1710 UTC	CW	(AB-HK)
5207	29-9-2012	Sat	2121	---	Unid pip	CW	(AB)
5207.43	21-9-2012	Fri	0729	---	Unid. Pip with a periodicity of about 3.4 sec.	CW	(FN)
5224	8-9-2012	Sat	0343	M32a	RCV: Navy Sevastopol "RIP90 DE RCV QTC 498 17 8 0103 498 =" into 5L message	CW	(PPA)
5230	1-9-2012	Sat	1606	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	2-9-2012	Sun	1459	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	2-9-2012	Sun	1652	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	2-9-2012	Sun	1934	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	3-9-2012	Mon	1439	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL-HK)
5230	3-9-2012	Mon	1815	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL-HK)
5230	4-9-2012	Tue	1639	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	5-9-2012	Wed	1539	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	8-9-2012	Sat	1940	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	8-9-2012	Sat	2130	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	9-9-2012	Sun	1505	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	9-9-2012	Sun	1505	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	10-9-2012	Mon	1936	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	11-9-2012	Tue	1432	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	11-9-2012	Tue	1934	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	12-9-2012	Wed	1347	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	18-9-2012	Tue	1435	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	19-9-2012	Wed	1603	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	21-9-2012	Fri	1639	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	21-9-2012	Fri	1733	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	24-9-2012	Mon	1450	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	26-9-2012	Wed	1631	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	26-9-2012	Wed	1733	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	26-9-2012	Wed	2117	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5230	28-9-2012	Fri	2114	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5278	2-9-2012	Sun	1010	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
5278	3-9-2012	Mon	1107	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
5278	4-9-2012	Tue	1016	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
5278	15-9-2012	Sat	1109	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
5278	23-9-2012	Sun	1101	M89	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW	(JPL-HK)
5278	25-9-2012	Tue	2310	M89	In tfc - 4 fig cut nrs - Probably Q7NW	CW	(JPL-HK)
5323	15-9-2012	Sat	2147	M51	"...bt nr 45 s 12 23:51:17 1984 bt..."	CW	(Q-HOL)
5330	9-9-2012	Sun	1310	VC01	Chinese YL fast numbers	USB	(Token)
5330	11-9-2012	Tue	1902	VC01	Chinese Robot	USB	(AB-HK)
5330	13-9-2012	Thu	1647	V13	Chinese Robot	USB	(Q-HK)
5330	14-9-2012	Fri	1755	VC01	Chinese Robot	USB	(Q-HK)
5330	15-9-2012	Sat	1704	VC01	Chinese Robot	USB	(AB-HK)
5330	15-9-2012	Sat	1753	VC01	Chinese Robot.	USB	(Q-HK)
5330	19-9-2012	Wed	1404	VC01	Chinese Robot	USB	(AB-HK)
5330	29-9-2012	Sat	1212	VC01	Chinese Robot in progress. Also at 1315 and 1708 UTC	USB	(AB-HK)
5345	11-9-2012	Tue	1754	M23	135	CW	(FMB)
5345	21-9-2012	Fri	1811	M23	842 842 842 0	CW	(Q-HOL)
5374.5	31-8-2012		0408	M32	BOOS: CIS military "DVHO DE BOOS QSA3"	CW	(PPA)
5378	3-9-2012	Mon	1800	G06	154 0	AM	(HFD)
5415.2	31-8-2012		0407	M32	WNHD: CIS military "X8WM DE WNHD QRJ4"	CW	(PPA)
5424	12-9-2012	Wed	0805	M51	"...bt nr 09 s 12 10:07:26 1984...bt" (S7 R5 T9)	CW	(Q-HOL)
5440	31-8-2012		0415	M42	RWD59: Russian Gov. Moscow start with idling	RUS-ARQ 100/500	(PPA)
5442	14-9-2012	Fri	1930	G06	947 916 15 91572 71026 91425 61732 29165 21738 25179 62819 51828 15279 72819 21829 31728 91025 32819 916 15	AM	(GHn)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
					916 15 00000		
5442	14-9-2012	Fri	1930	G06	947-916/15=91572	AM	(HFD)
5442	14-9-2012	Fri	1930	G06	947 916 15 91752 71026 91425 ... 32819 916 15 00000	AM	(Spec)
5464	12-9-2012	Wed	1920	M14	537-409/15=31627	CW	(HFD)
5470	7-9-2012	Fri	0610	S06s	934	USB	(HFD)
5470	21-9-2012	Fri	0610	S06s	934 512 6 89115 42828 16832 98425 25482 81264 512 6 00000	USB	(AB)
5474	4-9-2012	Tue	1800	M01	463-488/30=55407	CW	(HFD)
5475	11-9-2012	Tue	1800	M01	463	CW	(tING)
5500	1-9-2012	Sat	1131	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	1-9-2012	Sat	1304	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	1-9-2012	Sat	1600	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	1-9-2012	Sat	2339	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	2-9-2012	Sun	1307	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	2-9-2012	Sun	1646	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	2-9-2012	Sun	1928	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	2-9-2012	Sun	2330	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	3-9-2012	Mon	1048	M89	Message. See N&O 180 followed by V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	3-9-2012	Mon	1433	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	3-9-2012	Mon	1826	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	3-9-2012	Mon	1841	M89	VV UGT COMM BT BT 7751/0310/Z32/1951 AR. V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	4-9-2012	Tue	1011	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	4-9-2012	Tue	1635	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	4-9-2012	Tue	2034	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	5-9-2012	Wed	1205	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	5-9-2012	Wed	1533	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	5-9-2012	Wed	1857	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	5-9-2012	Wed	2149	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	7-9-2012	Fri	2246	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	9-9-2012	Sun	1228	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	9-9-2012	Sun	1228	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	9-9-2012	Sun	1459	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	9-9-2012	Sun	1459	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	9-9-2012	Sun	1949	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	9-9-2012	Sun	1949	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	10-9-2012	Mon	1018	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	10-9-2012	Mon	1525	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	10-9-2012	Mon	1932	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	11-9-2012	Tue	1243	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	11-9-2012	Tue	1928	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	11-9-2012	Tue	2259	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	15-9-2012	Sat	1103	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	15-9-2012	Sat	1845	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	18-9-2012	Tue	1203	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	18-9-2012	Tue	1429	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	19-9-2012	Wed	1251	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	19-9-2012	Wed	1442	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	19-9-2012	Wed	1555	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	19-9-2012	Wed	1841	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	19-9-2012	Wed	2247	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	20-9-2012	Thu	1228	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	21-9-2012	Fri	1137	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	21-9-2012	Fri	1635	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	21-9-2012	Fri	1727	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	21-9-2012	Fri	1952	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
5500	22-9-2012	Sat	1008	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	23-9-2012	Sun	1054	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	24-9-2012	Mon	1201	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	24-9-2012	Mon	1446	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	25-9-2012	Tue	2325	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
5500	26-9-2012	Wed	1036	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	26-9-2012	Wed	1625	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	26-9-2012	Wed	1728	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	29-9-2012	Sat	2114	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	30-9-2012	Sun	1105	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	30-9-2012	Sun	1525	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5500	30-9-2012	Sun	1959	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL-HK)
5592	9-9-2012	Sun	1311	VC01	Chinese YL fast numbers, on the air at the same time but not a simulcast of 5330 kHz, different data	LSB	(Token)
5592	11-9-2012	Tue	1900	VC01	Chinese Robot	LSB	(AB-HK)
5592	15-9-2012	Sat	1701	VC01	Chinese Robot	LSB	(AB-HK)
5592	17-9-2012	Mon	1539	VC01	Chinese Robot (Chinese Air Defense), also 1634 UTC	USB	(AB-HK)
5592	19-9-2012	Wed	1404	VC01	Chinese Robot	LSB	(AB-HK)
5592	29-9-2012	Sat	1315	VC01	Chinese Robot in progress. Very weak	LSB	(AB-HK)
5620	21-9-2012	Fri	1708	RMv	Russian Mil: Palata-37, ya Gorets-86, priyom	USB	(AnRus)
5682	3-9-2012	Mon	1450	M89	Two stations at the same time.	CW	(JPL-HK)
5682	4-9-2012	Tue	1643	M89	NA73 AA73 U4T5 N3N3 NUN6 756T 7AAD 5U33 55NU U346 ...AR etc.	CW	(JPL-HK)
5682	8-9-2012	Sat	2149	M89	7NNU NDU7 4UA6 5A73 46T6 N474 A7T6 NDT? N633 6.4D 6DUT (see N&O 180)	CW	(JPL-HK)
5773	5-9-2012	Wed	2040	E07a	147 1-68986	AM	(HFD)
5773	12-9-2012	Wed	2040	E07a	147 1 38380 269 66 89639 98717 28917 ... 72225 26319 000 000	AM	(Spec)
5775	21-9-2012	Fri	1745	M32a	Russian Navy: "...vea° 0800 sent plawateie wremen-no..."..."155 159 162..."..."rike87ric87nic87deatek..."	CW	(Q-HOL)
5784	20-9-2012	Thu	1900	S06	349 0	AM	(HFD)
5784	20-9-2012	Thu	1900	S06	349 349 349 00000	AM	(tING)
5788	5-9-2012	WED	1700	M12	463 1 3161 53 19765	CW	(FN)
5788	12-9-2012	WED	1740	M12	463 1 2142 49 96765	CW	(FN)
5788	19-9-2012	WED	1740	M12	463 1 1999 95 53015	CW	(FN)
5788	26-9-2012	WED	1740	M12	463 1 1861 79 30092	CW	(FN)
5792	3-9-2012	MON	0430	M12	796 000	CW	(FN)
5792	24-9-2012	MON	0430	M12	796 000	CW	(FN)
5800	18-9-2012	Tue	0716	M08a	five letter groups occasionally interrupted by time pips	CW	(LG2)
5801	5-9-2012	Wed	1207	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	6-9-2012	Thu	1205	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	9-9-2012	Sun	1234	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	9-9-2012	Sun	1234	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	11-9-2012	Tue	1247	M89	Traffic "4605 II 46.5 LRR K. K" (see N&O 180)	CW	(JPL-HK)
5801	14-9-2012	Fri	1410	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	18-9-2012	Tue	1207	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	19-9-2012	Wed	1253	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5801	21-9-2012	Fri	1141	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
5801	24-9-2012	Mon	1203	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL-HK)
5810	14-9-2012	Fri	1518	M01b	In progress. Barely audible	CW	(AB)
5815	2-9-2012	Sun	1755	G11	270/00	USB	(HS2)
5815	7-9-2012	Fri	1325	G11	299/00	USB	(HFD)
5815	8-9-2012	Sat	1325	G11	299/00 weak	USB	(HFD)
5815	11-9-2012	Tue	1755	G11	270/00	USB	(tING)
5815	15-9-2012	Sat	1325	G11	299/00	USB	(tING)
5815	18-9-2012	Tue	1755	G11	278/33 Achtung 64021 40288 06841 ... 02607 63901 Ende	USB	(Spec)
5815	22-9-2012	Sat	1325	G11	597/31	USB	(Q-HOL)

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5815	23-9-2012	Sun	1755	G11	578/33	USB	(Q-HOL)
5815	25-9-2012	Tue	1755	G11	270/00	USB	(AB)
5815	25-9-2012	Tue	1755	G11	270/00	USB	(tING)
5815	26-9-2012	Wed	1020	S11a	221/00	USB	(AB)
5815	29-9-2012	Sat	1020	S11a	in progress 331/00	USB	(Q-HOL)
5815	29-9-2012	Sat	1325	G11	599/00	USB	(Q-HOL)
5815	30-9-2012	Sun	1755	G11	560/00	USB	(Q-HOL)
5835	21-9-2012	Fri	1759	M32c	Russian Air Force: "w=2ej9844164763ge23k", W-marker, ...qz6 qrv k".	CW	(Q-HOL)
5835	25-9-2012	Tue	1820	M32c	Russian Military "W"-Marker. Followed by marker on 8162 kHz. Both off at 1822 UTC	CW	(MPJ)
5883	1-9-2012	Sat	0700	V02a	Atencion 25071 38412 42741 LG 64610. Habana sent several "1's before the message"	AM	(Dan)
5883	2-9-2012	Sun	0700	V02a	Atencion 21441 33772 46112 LG 18378	AM	(Dan)
5883	3-9-2012	Mon	0700	V02a	Atencion 71341 84772 07101 LG 06236	AM	(Dan)
5883	4-9-2012	Tue	0700	V02a	Atencion 08512 12832 25361 LG 30304	AM	(Dan)
5883	6-9-2012	Thu	0700	V02a	Atencion ????? 35411 48732 LG 85721	AM	(Dan)
5883	11-9-2012	Tue	0700	V02a	Atencion 70032 91662 84002 LG 8277?	AM	(Dan)
5883	14-9-2012	Fri	0700	V02a	Atencion 27081 31311 43642 LG 16286	AM	(Dan)
5884	13-9-2012	Thu	2050	E07	358 358 358 1 msg 000 000	AM	(Q-HOL)
5893	5-9-2012	WED	2120	M12	785 000	CW	(FN)
5893	5-9-2012	Wed	2120	M12	785 0	CW	(HFD)
5893	19-9-2012	WED	2120	M12	785 000	CW	(FN)
5896	5-9-2012	Wed	1410	M51	bt nr 64 s 05 16:14:11 1984 bt cybbn...	CW	(Q-I)
5896	13-9-2012	Thu	1253	M51	"...1984 bt...".	CW	(Q-HOL)
5898	15-9-2012	Sat	0815	V02a	0815-0841 UTC. In progress, female voice, SS. Ends with "final final final"	AM	(Q-USA)
5898	16-9-2012	Sun	0805	V02a	in progress, ends with "final final final"	AM	(Q-USA)
5898	17-9-2012	Mon	0500	M08a	in progress	MCW	(BCA)
5898	17-9-2012	Mon	0500	M08a	Very strong S9+20dB. Missed callups. IP.	MCW	(BCA)
5898	23-9-2012	Sun	0500	M08a	45462 2??11 77??2 IP. Started at 0505z.	MCW	(BCA)
5898	23-9-2012	Sun	0825	V02a	in progress, female voice	AM	(Q-USA)
5898	24-9-2012	Mon	0500	V02a	DGI 5FGs	AM	(BCA)
5898	30-9-2012	Sun	0810	V02a	female voice, 5FGs ends with "final final final"	AM	(Q-USA)
5913	8-9-2012	Sat	1720	M42	Russian Intel. Message 1	FSK 200/1000	(FMB)
5913	10-9-2012	Mon	1720	M42	Russian Intel.	FSK 200/1000	(FMB)
5923	1-9-2012	Sat	2000	S06	314 0000	AM	(PanDR)
5934	13-9-2012	Thu	1830	G06	579-263/15=71609	AM	(HFD)
5934	27-9-2012	Thu	1830	G06	579 263 263 15 15 71829 82910 à 52173 263 263 15 15 00000	AM	(tING)
5945	11-9-2012	Tue	1820	M14	346-250/15=52819	CW	(HFD)
5945	11-9-2012	Tue	1820	M14	346 250 15 = 52819 71035 26189 42619 52719 72839 52671 02617 32819 63728 38193 62810 46381 72854 93627 = 250 15 00000	CW	(Spec)
5947	11-9-2012	Tue	1820	M14	346 250 15	CW	(tING)
5947	25-9-2012	Tue	1820	M14	346 250 250 15 15 = = 52819 71035 26189 42619 52819 72839 52671 02617 32819 63728 38193 62810 46381 72854 93627 = = 250 250 15 15 00000	CW	(tING)
5992	15-9-2012	Sat	0558	VC01	Chinese Robot. Also at 0920 UTC	LSB	(AB-HK)
6250	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
6261	8-9-2012	Sat	1500	M01	463-436/30=06055	CW	(HFD)
6261	29-9-2012	Sat	1500	M01	463 463 463 6t3 6t3 3t 3t = = 32174 32174 49253 49253 77624 t7592 2t769 2t769 = = 63t 63t 3t 3t t t t	CW	(Q-HOL)
6298	29-9-2012	Sat	1941	M32	Presumed Russian Mil. "...y x pez u k m n eei x ■ y q k , v w t n m o h s e ttn k ..." faint and fading	CW	(Q-HOL)
6304	24-9-2012	Mon	0450	E11a	416/34 Attention 26313 28537 28992 36283 62331 ... 20553 59166 Out	USB	(Spec)
6340	7-9-2012	Fri	0600	S06s	934-852/6=36040	USB	(HFD)
6379	9-9-2012	Sun	2122	M22	4XZ IDF/Israeli Navy Haifa five letter groups	CW	(LG2)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
6379	10-9-2012	Mon	2022	M22	4XZ traffic "...vvv de 4xz...tr ar nw qtc 1 nr ..."	CW	(Q-HOL)
6379	11-9-2012	Tue	1940	M22	4XZ traffic in progress "...vvv de 4xz..."	CW	(Q-HOL)
6379	15-9-2012	Sat	1839	M22	4xz "...vvv de 4xz 4xz...", in progress.	CW	(Q-HOL)
6379	15-9-2012	Sat	2144	M22	4xz "...vvv de 4xz 4xz...", in progress.	CW	(Q-HOL)
6379	18-9-2012	Tue	1946	M22	4xz in progress	CW	(Q-HOL)
6379	23-9-2012	Sun	2012	M22	4xz in progress, "...= vvv de 4xz 4xz = ..."	CW	(Q-HOL)
6379	28-9-2012	Fri	1844	M22	4XZ in progress "...= vvv de 4xz 4xz = ..."	CW	(Q-HOL)
6410	4-9-2012	Tue	1000	S06s	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000	USB	(Spec)
6410	4-9-2012	Tue	1000	S06s	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000	USB	(Spec)
6410	11-9-2012	Tue	1000	S06s	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000	USB	(Spec)
6410	11-9-2012	Tue	1000	S06s	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000	USB	(Spec)
6417	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
6433	2-9-2012	Sun	2000	G11	262/00	USB	(HFD)
6433	2-9-2012	Sun	2000	G11	262/00	USB	(HS2)
6433	23-9-2012	Sun	2000	G11	565/00	USB	(Q-HOL)
6433	28-9-2012	Fri	2000	G11	264/36 Achtung 49118 79072 74675 ... 52990 08798 Ende	USB	(Spec)
6433	30-9-2012	Sun	2000	G11	560/36	USB	(Q-HOL)
6445	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
6464	11-9-2012	Tue	1500	S06s	833 msg ends with 00000	USB	(Q-HOL)
6464	12-9-2012	Wed	0821	S06s	451 msg	USB	(Q-HOL)
6508	23-9-2012	Sun	0700	M01	463	CW	(HFD)
6607	11-9-2012	Tue	2025	M22	4XZ traffic on progress "...vvv de 4xz 4xz..."	CW	(Q-HOL)
6607	15-9-2012	Sat	2343	M22	4xz in progress, "...=nr 013 rg v kk3p 039151 ls9f gr 13== ar ar vvv de 4xz 4xz = vvv de 4xz 4xz==..."	CW	(Q-HOL)
6607	18-9-2012	Tue	1943	M22	4xz in progress	CW	(Q-HOL)
6607	21-9-2012	Fri	1925	M22	4XZ in progress	CW	(Q-HOL)
6607	22-9-2012	Sat	1923	M22	4XZ in progress	CW	(Q-HOL)
6607	28-9-2012	Fri	1843	M22	4XZ in progress. "...= vvv de 4xz 4xz = ..."	CW	(Q-HOL)
6773	1-9-2012	Sat	1135	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6773	2-9-2012	Sun	1012	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6773	5-9-2012	Wed	1021	M89	H2FL DE DRV8 REPEATS.	CW	(EW)
6773	10-9-2012	Mon	1029	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
6773	15-9-2012	Sat	1111	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6773	15-9-2012	Sat	2311	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6773	22-9-2012	Sat	1013	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
6773	23-9-2012	Sun	1052	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6773	24-9-2012	Mon	1004	M89	H2FD DE DRV8	CW	(EW)
6773	26-9-2012	Wed	1010	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
6774	3-9-2012	Mon	0800	G06	215 0	AM	(HFD)
6774	3-9-2012	Mon	0803	G06	215 215 215 00000	AM	(HS2)
6774	17-9-2012	Mon	0800	G06	215 215 215 00000	AM	(Avare/AB)
6779	26-9-2012	Wed	2037	M32	Russian Mil. "VP5Y VP5YV P5Y DE 7ZDH 7ZDH K", "LAF1 LAF1 LAF1 DE 7ZDH 7ZDH K R K"	CW	(BCI)
6784	6-9-2012	THU	0630	M12	761 000	CW	(FN)
6784	20-9-2012	THU	0630	M12	761 000	CW	(FN)
6785	11-9-2012	Tue	1900	M08a	AURGA NITAN DADUN AUTGT RIWAD WAURI WWUAU	CW	(GK)
6785	17-9-2012	Mon	1900	M08a	picked up too late to get addresses	CW	(GK)
6785	18-9-2012	Tue	1900	M08a	WTDRA RDRTN IRTNA QRM; male voice counting same time as CW	CW	(GK)
6785	19-9-2012	Wed	1900	M08a	NTIDA DNARA UWUGN	CW	(GK)
6785	20-9-2012	Thu	1900	M08a	IWUIN GIANN TAWUA IDTDU UITWN UIAGW TIRAD WADUT AATWN TAIUD NTGDU	CW	(GK)
6785	24-9-2012	Mon	1900	M08a	NGDGN DNIAA UWAUA ? TNWNT WT_NN ? UIIAU IIAU WAIRG TURRW NGWRR RDAIU UTDII AUWIR A-16 QRN	CW	(GK)
6785	25-9-2012	Tue	1900	M08a	UUDWN RRAGN RAAAA WGNRU __AWT DNAWI NRRAW	CW	(GK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
ADDAU AGIDW							
6785	27-9-2012	Thu	1900	M08a	GARDN TUTRN AIDGA _DADW _DI_T NWNW_ UW___ GIWRU AGRWR _NNGT DIIIR NATUT DUDWU _DWGI UAAWA	CW	(GK)
6785	28-9-2012	Fri	1830	M08a	_____ IDNNA TNNRW WAURA Early; sked for 1900	CW	(GK)
6785	28-9-2012	Fri	1900	M08a	_____ IDNNA same	CW	(GK)
6790	18-9-2012	Tue	0802	M32	Russian Mil: 5FGs to RLX92	CW	(LG2)
6793	5-9-2012	WED	2100	M12	785 000	CW	(FN)
6793	5-9-2012	Wed	2100	M12	785 0	CW	(HFD)
6793	19-9-2012	WED	2100	M12	785 000	CW	(FN)
6802	5-9-2012	WED	1700	M12	463 1 3161 53 19765	CW	(FN)
6802	12-9-2012	WED	1720	M12	463 1 2142 49 96765	CW	(FN)
6802	19-9-2012	WED	1720	M12	463 1 1999 95 53015	CW	(FN)
6802	26-9-2012	WED	1720	M12	463 1 1861 79 30092	CW	(FN)
6814	3-9-2012	Mon	0820	E11	438/00	USB	(HFD)
6814	3-9-2012	Mon	0820	E11	438/00	USB	(HS2)
6814	17-9-2012	Mon	0820	E11a	438/37	USB	(AB)
6814	20-9-2012	Thu	0820	E11a	438/37 Attention 69127 82538 47829 75943 94570 ... 18835 17850 27636 Attention, rpt msg, out	USB	(AB)
6824	14-9-2012	Fri	2054	M51	NR 86 S 11 22:54:26 1984 BT	CW	(Spec)
6824	14-9-2012	Fri	2125	M51	NR 01 S 11 23:25:44 1984 BT	CW	(Spec)
6824	21-9-2012	Fri	0956	M51	FAV22 8 ^U me R ^U giment de Transmission. AR LECON 15-1/4 VITESSE 960 CLAIR BT	CW	(LG2)
6825	9-9-2012	Sun	0705	M51	FAV22 "...ces sentiments d ² licats, m ² me si sa langue a balbuti ² . aimer les hommes pour l'amour des hommes" etc "ar cq de fav22 va".	CW	(Q-HOL)
6825	12-9-2012	Wed	0909	M51	"...de fav22v"	CW	(Q-HOL)
6825	13-9-2012	Thu	1134	M51	FAV22 "...lecon 04-1/2 vitesse..."	CW	(Q-HOL)
6825	22-9-2012	Sat	0857	M51	FAV22 ending, "...cq de fav22 va".	CW	(Q-HOL)
6825	27-9-2012	Thu	1910	M51	ip.	CW	(FMB)
6836	17-9-2012	Mon	0740	X--	XPA start tones followed by unid data. Repeat of 0740 kHz	USB	(Avare)
6836	17-9-2012	Mon	0745	X--	XPA start tones followed by unid data. Repeat of 0740 kHz	USB	(Avare)
6836	17-9-2012	Mon	0750	X--	XPA start tones followed by unid data. Repeat of 0740 kHz	USB	(Avare)
6836	17-9-2012	Mon	0755	X--	XPA start tones followed by unid data. Repeat of 0740 kHz	USB	(Avare)
6840	1-9-2012	Sat	0120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	1-9-2012	Sat	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	1-9-2012	Sat	1323	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860 Note: Sked started 3 minutes late which is unusual.	CW	(JPL-HK)
6840	1-9-2012	Sat	1620	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	2-9-2012	Sun	0020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	2-9-2012	Sun	1021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	2-9-2012	Sun	1321	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	2-9-2012	Sun	1920	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	3-9-2012	Mon	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	3-9-2012	Mon	1819	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	4-9-2012	Tue	0021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	4-9-2012	Tue	1021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	4-9-2012	Tue	1721	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	5-9-2012	Wed	1022	M89	Q2M DE NYZ. REPEATS.	CW	(EW)
6840	5-9-2012	Wed	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	7-9-2012	Fri	2319	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	8-9-2012	Sat	1320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	8-9-2012	Sat	2120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	9-9-2012	Sun	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	9-9-2012	Sun	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	9-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	9-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	10-9-2012	Mon	1019	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
6840	10-9-2012	Mon	1519	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	11-9-2012	Tue	0320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	15-9-2012	Sat	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	15-9-2012	Sat	1919	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	18-9-2012	Tue	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	19-9-2012	Wed	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	19-9-2012	Wed	1319	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	19-9-2012	Wed	1920	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	21-9-2012	Fri	1719	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	23-9-2012	Sun	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	24-9-2012	Mon	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	24-9-2012	Mon	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	25-9-2012	Tue	2320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	26-9-2012	Wed	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	26-9-2012	Wed	1619	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	26-9-2012	Wed	2119	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	28-9-2012	Fri	2120	M89	VVV (x3) Q2M DE NYZ (x2) (Cont'd)	CW	(JPL-HK)
6840	28-9-2012	Fri	2219	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	29-9-2012	Sat	2119	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6840	30-9-2012	Sun	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //10640	CW	(JPL-HK)
6840	30-9-2012	Sun	2020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //4860	CW	(JPL-HK)
6844	25-9-2012	Tue	2011	M32	Russian Mil. in progress, sporadic and short messages, "...6 qsu6 k..."	CW	(Q-HOL)
6851	18-9-2012	Tue	1620	M51	in progress	CW	(LG2)
6853	18-9-2012	Tue	1939	M51	in progress	CW	(Q-HOL)
6853	25-9-2012	Tue	2008	M51	in progress, "...25 22:11:41 1984..."	CW	(Q-HOL)
6854	12-9-2012	Wed	2200	M08a	RUTGA IIDAA TARUN	CW	(GK)
6854	20-9-2012	Thu	2200	M08a	DARGN UUANN AGDRA	CW	(GK)
6854	25-9-2012	Tue	2200	M08a	TGGGN ANNAA NWWUN I_NTT DURTG GTNAN GUTRG RIUGG IDWWWD DDWTT WNUAU	CW	(GK)
6856	25-9-2012	Tue	2008	M51	ip.	CW	(FMB)
6869	7-9-2012	Fri	2000	E11	576/00	USB	(HFD)
6869	28-9-2012	Fri	2000	E11	576/00	USB	(Q-HOL)
6880	24-9-2012	Mon	1347	RMv	Russian Mil. in progress "...IMA 44 71 35 13 Priyom"	USB	(Avare)
6890	24-9-2012	Mon	1908	M51	ip.	CW	(FMB)
6903	6-9-2012	Thu	1910	M42	Russian Gov/Intel.	Baudot 200/50	(FMB)
6903	6-9-2012	Thu	1910	M42	6 54	FSK 200/500	(HFD)
6904	3-9-2012	MON	1740	M12	257 1 2219 80 62444	CW	(FN)
6904	3-9-2012	MON	1840	M12	257 1 4107 57 51701	CW	(FN)
6904	3-9-2012	MON	1940	M12	257 1 9095 40 65196	CW	(FN)
6904	6-9-2012	THU	1740	M12	257 1 3476 95 60822	CW	(FN)
6904	6-9-2012	THU	1940	M12	257 1 6421 44 30749	CW	(FN)
6904	10-9-2012	MON	1740	M12	257 1 9884 74 34205	CW	(FN)
6904	10-9-2012	Mon	1740	M12	257 1	CW	(HFD)
6904	10-9-2012	MON	1840	M12	257 1 5257 49 44564	CW	(FN)
6904	10-9-2012	MON	1940	M12	257 1 4754 79 79086	CW	(FN)
6904	13-9-2012	THU	1740	M12	257 15534 73 51832	CW	(FN)
6904	13-9-2012	THU	1940	M12	257 1 5165 68 67332	CW	(FN)
6904	17-9-2012	MON	1740	M12	257 1 2353 80 04109	CW	(FN)
6904	17-9-2012	Mon	1740	M12	"257" final part of the message was "...13t91 659t1 72283 59t11 t65t5 tt783 16774 31959 51571 000 000	CW	(Q-HOL)
6904	17-9-2012	MON	1840	M12	257 1 1232 42 85217	CW	(FN)
6904	17-9-2012	MON	1940	M12	257 1 9822 73 89103	CW	(FN)
6904	20-9-2012	THU	1740	M12	257 1 8463 84 32365	CW	(FN)
6904	20-9-2012	Thu	1910	M42	Russian Intel. 00000+++++++162)5761	FSK 200/500	(AnEur)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
6904	20-9-2012	THU	1940	M12	257 1 4689 50 70557	CW	(FN)
6904	24-9-2012	MON	1740	M12	257 1 9166 76 07628	CW	(FN)
6904	24-9-2012	MON	1840	M12	257 1 6206 54 75330	CW	(FN)
6904	24-9-2012	MON	1940	M12	257 1 5387 96 59634	CW	(FN)
6904	27-9-2012	THU	1740	M12	257 1 9229 64 66815	CW	(FN)
6904	27-9-2012	THU	1940	M12	257 1 4639 48 18996	CW	(FN)
6916.5	22-9-2012	Sat	1916	MX	beacon "L"	CW	(Q-HOL)
6917	8-9-2012	Sat	1835	M42	Russian Intel.	FSK 200/1000	(FMB)
6917.5	13-9-2012	Thu	2234	MX	Russian Navy Beacon L St Petersburg	CW	(LG2)
6917.5	17-9-2012	Mon	1543	MX	Beacon "L"	CW	(AB)
6917.5	18-9-2012	Tue	0850	M32	Tentative Russian Mil: BZNTC QNODY XXQRX UKXUW XFYIZ VNDI E E HAE	CW	(LG2)
6917.5	18-9-2012	Tue	2215	MX	Beacon L St Petersburg	CW	(LG2)
6917.5	20-9-2012	Thu	2042	MX	Beacon "L"	CW	(AB)
6917.5	28-9-2012	Fri	1840	MX	beacon "L"	CW	(Q-HOL)
6928	13-9-2012	Thu	2239	MX	Russian Navy Beacon V Khiva	CW	(LG2)
6930	17-9-2012	Mon	1800	S6930	Katok-65 37 535 Ankor 67 98 06 04 Priyom	USB	(ScSw)
6932	25-9-2012	Tue	2100	M08a	TGGGN ANNAA NWWUN NWIGI UN___ AGTRA NUWIN DANAN RRAWW WNWTR GTGUN TTTUA TDGIG UNDNT INWDI	CW	(GK)
6946	18-9-2012	Tue	2134	M51	in progress	CW	(LG2)
6949	10-9-2012	Mon	2025	M51	"...1984 bt iwsvx vfjbp iwqte..."	CW	(Q-HOL)
6949	18-9-2012	Tue	1925	M51	in progress	CW	(Q-HOL)
6958	8-9-2012	Sat	1530	M32	Tentative CIS Mil. CZQ7M many 5LG msg's to QNZO	CW	(AtB)
6977	8-9-2012	Sat	1542	M03	in progress	CW	(AB)
6977	15-9-2012	Sat	1535	M03	798/00	CW	(tING)
6977	22-9-2012	Sat	1535	M03	798/00 = = 000	CW	(Q-HOL)
6977	29-9-2012	Sat	1535	M03	798/00	CW	(Q-HOL)
6992	3-9-2012	MON	0450	M12	796 000	CW	(FN)
6992	24-9-2012	MON	0450	M12	796 000	CW	(FN)
7005	1-8-2012		1624	M32	Russian Mil. RGT77 A1A (5FG) = K	CW	(IARUMS)
7005	16-8-2012		1709	M32	Russian Mil. RGT77 A1A RGT77 861 = (5FG) = K	CW	(IARUMS)
7005	24-8-2012		1709	M32	Russian Mil. RGT77 A1A RGT77 420 = (5FG) = K	CW	(IARUMS)
7005	31-8-2012		1728	M32	Russian Mil. RGT77 A1A RGT77 851 = (5FG) = K	CW	(IARUMS)
7029	15-8-2012		0140	MX	Beacon "V"	CW	(IARUMS)
7038.8	20-9-2012	Thu	0511	MX	Beacon "P"	CW	(AB)
7124	18-8-2012		1907	M32	Russian Mil. "PVCN QSA?"	CW	(IARUMS)
7187	15-8-2012		1524	M32	Russian Mil. "XXX XXX MMAAA K"	CW	(IARUMS)
7242	11-9-2012	Tue	1510	S06s	833 msg ends with 00000	USB	(Q-HOL)
7317	4-9-2012	Tue	0915	S11a	484/00	USB	(HFD)
7317	18-9-2012	Tue	0915	S11a	480 38 85515 06151 85515 06151 06336 36383 53041 533?0 60063 03667 55850 30855 31350 ??????????????	USB	(TR2)
7317	28-9-2012	Fri	0915	S11a	484/00	USB	(AB)
7335	5-9-2012	Wed	0730	S06s	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000	USB	(Spec)
7335	12-9-2012	Wed	0730	S06s	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000	USB	(Spec)
7340	4-9-2012	Tue	1010	S06s	893	USB	(HFD)
7340	4-9-2012	Tue	1010	S06s	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000	USB	(Spec)
7340	4-9-2012	Tue	1010	S06s	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000	USB	(Spec)
7340	11-9-2012	Tue	1010	S06s	893 520 6 93055 77169 22493 53642 80311 42388 520 6 00000	USB	(Spec)
7340	11-9-2012	Tue	1010	S06s	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000	USB	(Spec)
7340	18-9-2012	Tue	1010	S06s	893	USB	(HFD)
7340	25-9-2012	Tue	1010	S06s	893 546 7 68734 56574 89673 23275 90905 67451 76761 546 7 00000	USB	(HS2)
7385	20-9-2012	Thu	0940	S06s	314 906 5 44724 42890 37123 41370 34941 906 5 00000	USB	(Spec)
7385	27-9-2012	Thu	0940	S06s	314 906 5 44724 42890 37123 41370 34941 906 5 00000	USB	(Spec)
7437	13-9-2012	Thu	0430	E07a	411 1 38380 269 66 89639 98717 28917 ... 72225 26319 000	AM	(Spec)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
					000		
7439	25-9-2012	Tue	1959	M51	ip.	CW	(FMB)
7449	19-9-2012	Wed	1045	E11	469/00	USB	(HFD)
7449	25-9-2012	Tue	1045	E11a	464/33 Attention 96563 84413 60169	USB	(HS2)
7449	25-9-2012	Tue	1045	E11a	464/33 Attention 96563 84413 25332 09573 08924 ... 12102 60169 Out	USB	(Spec)
7449	26-9-2012	Wed	1045	E11a	464/33 Attention 96563 84413 25332 09573 08924 ... 12102 60169 Out	USB	(Spec)
7467	31-8-2012		0622	M32a	RIT: Navy Severomorsk "RJP30 DE RIT"	CW	(PPA)
7471	16-9-2012	Sun	1120	E06	154 0	AM	(HFD)
7473	5-9-2012	Wed	2020	E07a	147 1-68986	AM	(HFD)
7473	12-9-2012	Wed	2020	E07a	147 1 38380 269 66 89639 98717 28917 ... 72225 26319 000 000	AM	(Spec)
7519	17-9-2012	Mon	2200	M08a	GWARN TIUTA AAINA 20 wpm	CW	(GK)
7519	24-9-2012	Mon	2200	M08a	Missed callups. IP. Via WebSDR.	CW	(BCA-HOL)
7519	24-9-2012	Mon	2200	M08a	UTNGN RDGNA IRTUN TDNRG NANGI ITIIW WGTR GARTR AITNT AGWNT IWIIU GUGNG UIAAU GIWUN NTRUN 20 wpm	CW	(GK)
7519	25-9-2012	Tue	2200	M08a	RAUUN GUIIA TIATA ADRRD WGATW AUTWG UUT__ WNRGN TWARN UWIID WNWURU NWADT NNGTU GGDRT AI__A	CW	(GK)
7519	28-9-2012	Fri	2200	M08a	GAGAA TRGNA ATDWW RIGUI WDAAG NWUWU AUINA __DTA GUDDN UTRID IWANR WRIAR TTAWW TTRTN GIWGD 20 wpm	CW	(GK)
7526	6-9-2012	Thu	2030	E07	358 0	AM	(HFD)
7526	8-9-2012	Sat	1700	M42	Russian Intel. Message 2 (not sync)	FSK 200/1000	(FMB)
7526	13-9-2012	Thu	2030	E07	358 358 358 1 msg 000 000	AM	(Q-HOL)
7526	18-9-2012	Tue	2200	M08a	NIAIA DAUAA UDIDN 20 wpm	CW	(GK)
7553	13-9-2012	Thu	1356	V26	Chinese language V26 numbers station //9153 khz	USB	(Token)
7554	11-9-2012	Tue	2000	M08a	AURGA NITAN DADUN AWTNN G____ IWTGD WIWTW	CW	(GK)
7554	14-9-2012	Fri	2000	M08a	RAIWA GUAGN TIWAA	CW	(GK)
7554	17-9-2012	Mon	2000	M08a	AUNTA NRWDN DTGWA	CW	(GK)
7554	18-9-2012	Tue	2000	M08a	QRM; male voice counting; CW signal very weak; can't copy	CW	(GK)
7554	19-9-2012	Wed	2000	M08a	GNDTN AWRNA NGTWN	CW	(GK)
7554	20-9-2012	Thu	2000	M08a	RRUNA IGGWN GNNIA	CW	(GK)
7554	20-9-2012	Thu	2000	M08a	IWUIN GIANN TAWUA NDAAU WNUTR TTWRW NWUUG	CW	(GK)
7554	24-9-2012	Mon	2000	M08a	NGDGN DNIAA UWAUA AIDWG RDRWR TTWTA TWNNT RGTR DNIWR NANUI NWGUI RUGDW TDRUU RDUWR TWURN	CW	(GK)
7554	27-9-2012	Thu	2000	M08a	GARDN TUTRN AIDGA DWURU ATTUT GUTN WGRWR GTRGU WDRDW WGWGD WTUII UUII_ heavy QRN	CW	(GK)
7554	28-9-2012	Fri	2000	M08a	_____ GNRGN AAU_ G WATRT TIWWT DIGTA Came on in mid-tranmission at 2018; ended at 2046	CW	(GK)
7579	10-9-2012	Mon	1033	M08a	RIRIN IATTA GUDDN	CW	(GK)
7579	12-9-2012	Wed	1300	M08a	WWTAA RGDUA INIRN	CW	(GK)
7579	17-9-2012	Mon	1300	M08a	GNURA TUITN NINDA	CW	(GK)
7579	18-9-2012	Tue	1300	M08a	DAGTN UNRDN WIRWA QRM; male voice in background	CW	(GK)
7579	19-9-2012	Wed	1300	M08a	NNGGN DWNNA UGWUN	CW	(GK)
7579	20-9-2012	Thu	1300	M08a	UNAIA WWUTN IIGDA	CW	(GK)
7579	21-9-2012	Fri	1300	M08a	TDWTA ARGNA NTNWN	CW	(GK)
7579	24-9-2012	Mon	1300	M08a	IRDGN GTINA TDAWN UWANN RGNUW GIHA TUUDI GRUIG RRNTT DRARI UNUWR DGANA RDWIT RAWGN WTGRA	CW	(GK)
7579	25-9-2012	Tue	1300	M08a	DWAIN UGUAA WNGDN NDWGW AAGDU TTARD GGITN TA- TAW TIRRR UGGII AWIRT RGDIA TUNIG UNARG RUNTW	CW	(GK)
7579	27-9-2012	Thu	1300	M08a	RNNRN IWWTA GGGNN WTITT RDDTD NNWIU RAGUD TADDG UGDDR GITID IWAUU DAIDW DDTDN NIGUI ANGAN	CW	(GK)
7582	2-9-2012	Sun	0014	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	2-9-2012	Sun	0204	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	4-9-2012	Tue	0026	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	9-9-2012	Sun	0148	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
7582	9-9-2012	Sun	0148	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	11-9-2012	Tue	0230	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
7582	11-9-2012	Tue	0237	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	12-9-2012	Wed	0212	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	16-9-2012	Sun	0122	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	18-9-2012	Tue	0242	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	19-9-2012	Wed	0211	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7582	24-9-2012	Mon	0241	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL-HK)
7585.25	25-9-2012	Tue	0604	M42	Russian Gov/Intel.	RUS-ARQ 100/1000	(BCI)
7605	5-9-2012	Wed	0820	S06s	471	USB	(HFD)
7605	5-9-2012	Wed	0820	S06s	471 206 5 71826 09876 45261 34489 98012 206 5 00000	USB	(Spec)
7605	12-9-2012	Wed	0820	S06s	471 206 5 71826 09876 45261 34489 98012 206 5 00000	USB	(Spec)
7605	19-9-2012	Wed	0820	S06s	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000	USB	(Spec)
7605	26-9-2012	Wed	0820	S06s	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000	USB	(Spec)
7607	1-9-2012	Sat	1128	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	1-9-2012	Sat	1306	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	1-9-2012	Sat	1602	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	1-9-2012	Sat	2342	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	2-9-2012	Sun	1046	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	2-9-2012	Sun	1154	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	2-9-2012	Sun	1455	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	2-9-2012	Sun	1648	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	2-9-2012	Sun	1930	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	3-9-2012	Mon	1435	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	3-9-2012	Mon	1811	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	4-9-2012	Tue	1637	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	5-9-2012	Wed	1209	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	5-9-2012	Wed	1535	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	5-9-2012	Wed	1859	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	6-9-2012	Thu	1202	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	7-9-2012	Fri	2248	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	8-9-2012	Sat	1304	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	8-9-2012	Sat	1936	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	8-9-2012	Sat	2126	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	9-9-2012	Sun	1230	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	9-9-2012	Sun	1230	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	9-9-2012	Sun	1501	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	9-9-2012	Sun	1501	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	9-9-2012	Sun	1951	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	9-9-2012	Sun	1951	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	10-9-2012	Mon	1527	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	10-9-2012	Mon	1934	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	11-9-2012	Tue	1245	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	11-9-2012	Tue	1930	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	11-9-2012	Tue	2301	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	12-9-2012	Wed	1151	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	12-9-2012	Wed	1231	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	12-9-2012	Wed	1400	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	14-9-2012	Fri	1253	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	14-9-2012	Fri	2015	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	15-9-2012	Sat	1105	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	15-9-2012	Sat	1847	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	18-9-2012	Tue	1205	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	18-9-2012	Tue	1431	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	19-9-2012	Wed	1444	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)

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7607	19-9-2012	Wed	1557	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	19-9-2012	Wed	1843	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	19-9-2012	Wed	2249	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	20-9-2012	Thu	1231	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	21-9-2012	Fri	1139	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	21-9-2012	Fri	1637	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	21-9-2012	Fri	1729	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	21-9-2012	Fri	1954	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	22-9-2012	Sat	1700	M89	witn witn witn de gnxx gnxx v	CW	(AtB)
7607	23-9-2012	Sun	1057	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	24-9-2012	Mon	1205	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	24-9-2012	Mon	1448	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	26-9-2012	Wed	1627	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	26-9-2012	Wed	1730	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	26-9-2012	Wed	2115	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	28-9-2012	Fri	2052	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	28-9-2012	Fri	2210	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
7607	29-9-2012	Sat	2116	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	30-9-2012	Sun	1527	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7607	30-9-2012	Sun	2001	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //4590	CW	(JPL-HK)
7612	8-9-2012	Sat	1607	S06	134 134 134 00000	AM	(Q-HOL)
7612	22-9-2012	Sat	1607	S06	134 (repeated)	AM	(Q-HOL)
7620	5-9-2012	Wed	1230	S06s	967	USB	(HFD)
7620	19-9-2012	Wed	1230	S06s	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000	USB	(Spec)
7620	26-9-2012	Wed	1230	S06s	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000	USB	(Spec)
7630	31-8-2012		0658	M42	RDP5: Russian Gov. (Kirov kaloega area) Point to point contact with RMC-27	RUS-ARQ 100/500	(PPA)
7684	6-9-2012	THU	0650	M12	761 000	CW	(FN)
7684	20-9-2012	THU	0650	M12	761 000	CW	(FN)
7795	7-9-2012	Fri	0600	S06s	196	USB	(HFD)
7863	18-9-2012	Tue	2000	E11c	757/2200/00	USB	(HFD)
7863	20-9-2012	Thu	1925	E11c	758/0000/00	USB	(tING)
7863	25-9-2012	Tue	2000	E11c	757/1200/00	USB	(AB)
7863	25-9-2012	Tue	2000	E11c	757/1200/00	USB	(tING)
7863	27-9-2012	Thu	1925	E11c	758/0000/00	USB	(tING)
7931	3-9-2012	MON	1720	M12	257 1 2219 80 62444	CW	(FN)
7931	3-9-2012	MON	1820	M12	257 1 4107 57 51701	CW	(FN)
7931	3-9-2012	MON	1920	M12	257 1 9095 40 65196	CW	(FN)
7931	6-9-2012	THU	1720	M12	257 1 3476 95 60822	CW	(FN)
7931	6-9-2012	THU	1920	M12	257 1 6421 44 30749	CW	(FN)
7931	10-9-2012	MON	1720	M12	257 1 9884 74 34205	CW	(FN)
7931	10-9-2012	Mon	1720	M12	257 1	CW	(HFD)
7931	10-9-2012	MON	1820	M12	257 1 5257 49 44564	CW	(FN)
7931	10-9-2012	MON	1920	M12	257 1 4754 79 79086	CW	(FN)
7931	13-9-2012	THU	1720	M12	257 15534 73 51832	CW	(FN)
7931	13-9-2012	THU	1920	M12	257 1 5165 68 67332	CW	(FN)
7931	17-9-2012	MON	1720	M12	257 1 2353 80 04109	CW	(FN)
7931	17-9-2012	MON	1820	M12	257 1 1232 42 85217	CW	(FN)
7931	17-9-2012	MON	1920	M12	257 1 9822 73 89103	CW	(FN)
7931	20-9-2012	THU	1720	M12	257 1 8463 84 32365	CW	(FN)
7931	20-9-2012	THU	1920	M12	257 1 4689 50 70557	CW	(FN)
7931	24-9-2012	MON	1720	M12	257 1 9166 76 07628	CW	(FN)
7931	24-9-2012	MON	1820	M12	257 1 6206 54 75330	CW	(FN)
7931	24-9-2012	MON	1920	M12	257 1 5387 96 59634	CW	(FN)

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7931	27-9-2012	THU	1720	M12	257 1 9229 64 66815	CW	(FN)
7931	27-9-2012	THU	1920	M12	257 1 4639 48 18996	CW	(FN)
7961	2-9-2012	Sun	2200	M32	QNZO 5FGs to CCSI, WUTN, ZGRA, WZIK, KQNA	CW	(LG2)
7962	2-9-2012	Sun	2204	M32	QNZO: Russian Strategic Rocket Forces tfc to CCSI WUTN ZGRA WZIK and KQNA	CW	(LG2)
7963	13-9-2012	Thu	1314	M32	Russian Mil. "...7t 615t = 5..."	CW	(Q-HOL)
7963	13-9-2012	Thu	1906	M32	Russian Mil. "8LZ2 8LZ2 8LZ2 DE PY1Y PY1Y R K", "TBHW TBHW TBHWT DE PY1Y PY1Y K R K"	CW	(BCI)
7964	9-9-2012	Sun	1420	M32	in progress	CW	(LG2)
7965	9-9-2012	Sun	1348	M51	BT NR 27 S 10 15:00:02 1764	CW	(LG2)
7966	15-9-2012	Sat	1025	M51	"...bt nr 31 s 12 12:28:30 1984 bt..."	CW	(Q-HOL)
7992	8-9-2012	Sat	1710	M42	Russian Intel. Message 1	FSK 200/1000	(FMB)
7992	10-9-2012	Mon	1710	M42	Russian Intel.	FSK 200/1000	(FMB)
8009	12-9-2012	Wed	2300	M08a	INRAA UWGWA WGNGN	CW	(GK)
8009	17-9-2012	Mon	2300	M08a	GWARN TIUTA AAINA	CW	(GK)
8009	20-9-2012	Thu	2200	M08a	GDWAA TUNWA AGDIA 20 wpm	CW	(GK)
8009	24-9-2012	Mon	2300	M08a	UTNGN RDGNA IRTUN DGUUU ARRWI NARUU UWWIA TRIAT ANNRT DUIDW TUAAR ATADR RINTU RTUNG DGNGI 20 wpm	CW	(GK)
8013	7-9-2012	Fri	2302	M89	VIW DE UIW. R .Z RQSA 2. QSA 2 OK SK PSE. R M OK N.L. R R TM KS	CW	(JPL-HK)
8014	11-9-2012	Tue	0301	M89	Traffic GA GA R QSL 1103	CW	(JPL-HK)
8014	11-9-2012	Tue	0340	M89	Traffic "= U QSY TO 22 AR 7UUQSY TO 22 22" (see N&O 180)	CW	(JPL-HK)
8014	12-9-2012	Wed	0151	M89	F7UT in chat	CW	(JPL-HK)
8014	14-9-2012	Fri	0157	M89	VV VV OJPY K (Callsign is ZERO JPY) R R QSA 2 K. R IEC BT 5816 AR K (see N&O 180)	CW	(JPL-HK)
8014	15-9-2012	Sat	0132	M89	VVVV OJPY OJPY OJPY DE DNP2 K K. HR QSA 2 K. R IEC BT 5816 AR K (see N&O 180)	CW	(JPL-HK)
8014	16-9-2012	Sun	0208	M89	VV OJPY DE DMP2 traffic (see N&O 180)	CW	(JPL-HK)
8040	1-9-2012	Sat	1135	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL-HK)
8040	2-9-2012	Sun	1012	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
8040	3-9-2012	Mon	1102	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	5-9-2012	Wed	1023	M89	H2FL DE DRV8 REPEATS.	CW	(EW)
8040	7-9-2012	Fri	2254	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	15-9-2012	Sat	1111	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
8040	15-9-2012	Sat	2311	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
8040	21-9-2012	Fri	1144	M89	D7T3 U7N4 AU47 6N7T 6U3N UN5D ARMT....(Fading)	CW	(JPL-HK)
8040	23-9-2012	Sun	1052	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
8040	24-9-2012	Mon	1007	M89	H2FD DE DRV8	CW	(EW)
8040	25-9-2012	Tue	2308	M89	V H2FL (x3) D E DRV8 (x2) (Cont'd)	CW	(JPL-HK)
8040	26-9-2012	Wed	1010	M89	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL-HK)
8047	5-9-2012	WED	1700	M12	463 1 3161 53 19765	CW	(FN)
8047	12-9-2012	WED	1700	M12	463 1 2142 49 96765	CW	(FN)
8047	19-9-2012	Wed	1700	M12	463 1 5FGs	CW	(AB)
8047	19-9-2012	WED	1700	M12	463 1 1999 95 53015	CW	(FN)
8047	26-9-2012	WED	1700	M12	463 1 1861 79 30092	CW	(FN)
8065	30-9-2012	Sun	0322	XPA2	ip.	MFSK	(FMB)
8076	22-9-2012	Sat	2020	M22	Russian Mil. Long 5LG routine message in progress ending 24220 22077 K.	CW	(MPJ)
8096	14-9-2012	Fri	1400	M08a	DDAWA URUGA WGTAN	CW	(GK)
8096	14-9-2012	Fri	1800	M08a	NRWUN GAGGN ANWNN solid tone on 8097 at 1745	CW	(GK)
8096	14-9-2012	Fri	1900	M08a	NRWUN GAGGN ANWNN solid tone on 8097 at 1859	CW	(GK)
8096	17-9-2012	Mon	1400	M08a	GNURA TUITN NINDA	CW	(GK)
8096	17-9-2012	Mon	1800	M08a	picked up too late to get addresses	CW	(GK)
8096	17-9-2012	Mon	1900	M08a	picked up too late to get addresses	CW	(GK)
8096	18-9-2012	Tue	1400	M08a	DAGTN UNRDN WIRWA	CW	(GK)
8096	19-9-2012	Wed	1400	M08a	NNGGN DWNNA UGWUN	CW	(GK)
8096	19-9-2012	Wed	1800	M08a	QRN: vy weak signal; unable to copy	CW	(GK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
8096	19-9-2012	Wed	1900	M08a	IADIA TNTAA AWDDN	CW	(GK)
8096	20-9-2012	Thu	1400	M08a	UNAIA WWUTN IIGDA	CW	(GK)
8096	20-9-2012	Thu	1900	M08a	UDGAN WRDDN RTRRA TTURA IIRWG AWAAG TWDAW	CW	(GK)
8096	24-9-2012	Mon	1400	M08a	IRDGN GTINA TDAWN INUUG INNNG TIDWD RTGAD IDNAG TNNA RADUG WIANR ATGTA IWUWA UGTGD NIAAN	CW	(GK)
8096	24-9-2012	Mon	1800	M08a	UIUNA WAIUN RUNIA NRGNN UUGID AGGAA ? TGNIT _____ UWRNN IDGN_ ? DNTGI TIWII GWIRD GNURN	CW	(GK)
8096	24-9-2012	Mon	1900	M08a	UIUNA WAIUN RUNIA UUDIR ATRTU RATGN GIGAA A-16	CW	(GK)
8096	25-9-2012	Tue	1400	M08a	NIRRN DATGA UUUNN URGRT UTWNT DRNUN UNUUI WWRNW ANNGU IINTU RRNUI NADIN TGIGW NGRDN WDGTN Address at 1400 different from that at 1300; unusual	CW	(GK)
8096	25-9-2012	Tue	1400	M08a	DTTAN UDDDA WRRRA RUTUG ANRAT IGDGN NUIAD GDNUD ANIAD UDWUD DAAGN GIURW UAGTI NANRU IWART Trans- mission stopped cold for 1 minute at 1412	CW	(GK)
8096	25-9-2012	Tue	1800	M08a	GNGGA TUNNN AIRUN ARTAG GANUN AIRNU NGWGU WDGDD AADDA ARRNI GIGRR NUWGR URGWT	CW	(GK)
8096	25-9-2012	Tue	1900	M08a	GNGGA TUNNN AIRUN NWAAGW INGDU GIUWD WNINI	CW	(GK)
8096	27-9-2012	Thu	1400	M08a	RNNRN IWWTA GGGNN TNINN AGAIU IRRAD TTAR GTNDN TWGAR NWUDG DRGIU RTTGU GTGUW TUIDI URITW	CW	(GK)
8096	28-9-2012	Fri	1900	M08a	no signal until last minute of transmission; ended 1933	CW	(GK)
8104	8-9-2012	Sat	1835	M14	(ip)	CW	(FMB)
8105	5-9-2012	Wed	1240	S06s	967	USB	(HFD)
8105	19-9-2012	Wed	1240	S06s	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000	USB	(Spec)
8105	26-9-2012	Wed	1240	S06s	967 245 8 96281 84948 81125 39694 84499 45436 48285 70105 245 8 00000	USB	(Spec)
8110	1-9-2012	Sat	0128	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8110	2-9-2012	Sun	0014	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	2-9-2012	Sun	0204	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	4-9-2012	Tue	0026	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	9-9-2012	Sun	0148	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	9-9-2012	Sun	0148	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	11-9-2012	Tue	0237	M89	(In tfc) V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	12-9-2012	Wed	0212	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	16-9-2012	Sun	0122	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	18-9-2012	Tue	0242	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	19-9-2012	Wed	0211	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	23-9-2012	Sun	0236	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8110	24-9-2012	Mon	0214	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8110	24-9-2012	Mon	0241	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL-HK)
8110	25-9-2012	Tue	2327	M89	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL-HK)
8116	6-9-2012	THU	1740	M12	124 1 2049 78 77160	CW	(FN)
8116	6-9-2012	THU	1840	M12	124 1 8769 81 02654	CW	(FN)
8116	7-9-2012	FRI	1840	M12	124 1 8075 75 69248	CW	(FN)
8116	11-9-2012	TUE	1910	M12	124 1 8602 51 00512	CW	(FN)
8116	11-9-2012	Tue	1910	M12	124 1	CW	(tING)
8116	13-9-2012	THU	1740	M12	124 1 2120 78 76754	CW	(FN)
8116	13-9-2012	Thu	1740	M12	124 1	CW	(HFD)
8116	13-9-2012	THU	1840	M12	124 1 5558 94 17782	CW	(FN)
8116	14-9-2012	FRI	1840	M12	124 1 2441 85 35423	CW	(FN)
8116	18-9-2012	TUE	1910	M12	124 1 6467 61 83721	CW	(FN)
8116	20-9-2012	THU	1740	M12	124 1 4082 76 74042	CW	(FN)
8116	20-9-2012	THU	1840	M12	124 1 2643 97 32248	CW	(FN)
8116	21-9-2012	FRI	1840	M12	124 1 852 41 22731	CW	(FN)
8116	25-9-2012	TUE	1910	M12	124 1 1226 70 47950	CW	(FN)
8116	27-9-2012	THU	1740	M12	124 1 9436 73 34567	CW	(FN)
8116	27-9-2012	THU	1840	M12	124 1 8810 49 11600	CW	(FN)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
8116	28-9-2012	FRI	1840	M12	124 1 9240 82 95630	CW	(FN)
8135	18-9-2012	Tue	2300	M08a	NIAIA DAUAA UDIDN 20 wpm	CW	(GK)
8135	20-9-2012	Thu	2300	M08a	no addresses; mid-text; terrible fist; uncopyable	CW	(GK)
8135	20-9-2012	Thu	2300	M08a	GDWAA TUNWA AGDIA 20 wpm	CW	(GK)
8135	25-9-2012	Tue	2300	M08a	TAWRN AUGGA NIDNN NRTND RUNGU IGAGD DIATT GNRIT WTIII NTWAA NURWU UADWU TRDRN IWIAT DGGAG 20 wpm	CW	(GK)
8137	6-9-2012	Thu	0450	E07a	411 1-68986	AM	(HFD)
8137	13-9-2012	Thu	0450	E07a	411 1 38380 269 66 89639 98717 28917 ... 72225 26319 000 000	AM	(Spec)
8162	11-9-2012	Tue	1039	M32c	Russian mil. "...4asu 4asu qrv k ... vvvvvvvk...wwwwww...wwwwww...de 4asu 4asu =k. de 4asu 4asu = 625 135 k ...38 526 247 267 7t8 977 374 11t c? k.	CW	(Q-HOL)
8162	14-9-2012	Fri	0840	M32c	4ASU: Russian Air Force. String of "wwwwww"	CW	(WP3)
8162	14-9-2012	Fri	0920	M32c	Russian Air Force. "q1h3 q1h3 q1h3 de 4asu 4asu k" then short tfc (some letters missing due to qsb) "27_ 9__ 929 486 103 c ? k"	CW	(WP3)
8162	15-9-2012	Sat	1600	S06	134 0	AM	(HFD)
8162	17-9-2012	Mon	0419	M32c	4ASU: Russian Air Force "TFTQ DE 4ASU K", "W" Markers at 0420-0422Z, 0440-0442Z	CW	(Tom)
8162	17-9-2012	Mon	0450	M32c	"4ASU = 800 408 693 667 635 677 C ? K", 0504z "TFTQ DE 4ASU QRV K" (4ASU requesting repeats)	CW	(Tom)
8162	17-9-2012	Mon	0512	M32c	"4ASU = 494 240 971 120 704 556 C ? K", 0520-0522Z,0540- 0542Z "W" Markers	CW	(Tom)
8162	19-9-2012	Wed	1726	M32c	Unid Russian Air Force "V2IB DE QZ6Y K"	CW	(Tom)
8162	19-9-2012	Wed	1815	M32c	Unid Russian Air Force "QZ6Y = 953 298 194 881 499 K"	CW	(Tom)
8162	19-9-2012	Wed	1819	M32c	Unid Russian Air Force "QZ6Y = 701 349 K"	CW	(Tom)
8162	19-9-2012	Wed	1820	M32c	Unid Russian Air Force "W"-marker	CW	(Tom)
8162	19-9-2012	Wed	1840	M32c	Unid Russian Air Force "W"-marker	CW	(Tom)
8162	19-9-2012	Wed	1900	M32c	Unid Russian Air Force "W"-marker	CW	(Tom)
8162	21-9-2012	Fri	1500	M32c	Unid Russian Air Force: N-marker	CW	(Tom)
8162	21-9-2012	Fri	1506	M32c	QZ6Y, Unid Russian Air Force: NKG6 DE QZ6Y = 219 900 164 086 723 K	CW	(Tom)
8162	21-9-2012	Fri	1708	M32c	QZ6Y, Unid Russian Air Force: NKG6 DE QZ6Y = 727 564 164 469 112 K	CW	(Tom)
8162	21-9-2012	Fri	1720	M32c	Unid Russian Air Force: W-marker	CW	(Tom)
8162	25-9-2012	Tue	1820	M32c	Russian Military "W"-Marker. Followed by marker on 8162 kHz. Both off at 1822 UTC	CW	(MPJ)
8162	27-9-2012	Thu	1100	M32c	"W"-marker	CW	(Tom)
8162	27-9-2012	Thu	1210	M32c	4ASU, Unid Russian Air Force "P8TU DE 4ASU K"	CW	(Tom)
8166	11-9-2012	Tue	1730	M14	t58 (R5) 137 56= 18976...	CW	(FMB)
8167	7-9-2012	Fri	1730	M14	t58 417 65...ttttt	CW	
8173	5-9-2012	Wed	2000	E07a	147 1-68986-423/46 =44743	AM	(HFD)
8173	5-9-2012	Wed	2005	E07	in progress	AM	(Q-I)
8173	12-9-2012	Wed	2000	E07a	147 1 38380 269 66 89639 98717 28917 ... 72225 26319 000 000	AM	(Spec)
8194	7-9-2012	Fri	1800	M14	269 tttt	CW	
8313	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
8345	11-9-2012	Tue	1805	M32a	RMUW: Russian Navy qtc to rcv rmuw 848 17 11 2200 848 = sml for rje73 rjh45 = 11181 99368 10130 41998 52005 10250 40150 56001 70200 85001 22232 00250 20201 11013 = + rmuw k	CW	(WP3)
8345	11-9-2012	Tue	1810	M32a	RKB91: Russian Navy qtc to rmp rkb91 713 16 11 2200 713 = sml for rjh45 rjd38 = 11181 99576 10111 41698 62910 10100 40035 52020 70202 8//// 22200 00150 11012 = + rkb91 k	CW	(WP3)
8345	11-9-2012	Tue	2110	M32a	RBES Russian Navy qtc to rmp rbes 7 15 12 0100 857 = sml for rjh45 rjd38 = 11221 99573 10082 43/98 22713 10280 40040 57100 72156 828// 22213 12011 = + rbes k	CW	(WP3)
8345	11-9-2012	Tue	2215	M32a	RMUW: Russian Navy qtc to rcv rmuw 286 116 12 0200 286 =	CW	(WP3)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
					sml fm rmde = 11111 24308 07546 84732		
8345	14-9-2012	Fri	0605	M32a	RKB91: Russian Navy. qtc to rmp rkb91 248 16 14 1000 248 =	CW	(WP3)
8345	14-9-2012	Fri	0612	M32a	RMUW: Russian Navy. qtc to rcv rmuw 970 17 14 1000 970 =	CW	(WP3)
8345	20-9-2012	Thu	0605	M32a	RKB91: Russian Navy RUS 0605 CW qtc tit rkb91 222 15 20 1000 222 = sml for rjh45 rjd38 =	CW	(WP3)
8494.8	13-9-2012	Thu	2307	MX	Beacon P: Kaliningrad	CW	(LG2)
8494.9	13-9-2012	Thu	2307	MX	Russian Navy Beacon S Archangel	CW	(LG2)
8497.8	12-9-2012	Wed	0957	MX	beacon "L"	CW	(Q-HOL)
8497.8	13-9-2012	Thu	2309	MX	Russian Navy Beacon L St Petersburg	CW	(LG2)
8497.8	16-9-2012	Sun	0029	MX	Beacon "L"	CW	(Q-HOL)
8497.8	18-9-2012	Tue	1929	MX	beacon "L".	CW	(Q-HOL)
8497.8	20-9-2012	Thu	2042	MX	Beacon "L"	CW	(AB)
8497.8	21-9-2012	Fri	2105	MX	Beacon "L"	CW	(WP3)
8588	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
8650	13-9-2012	Thu	1230	S06s	495 msg 00000	USB	(Q-HOL)
8650	20-9-2012	Thu	0930	S06s	314 906 5 44724 42890 37123 41370 34941 906 5 00000	USB	(Spec)
8650	27-9-2012	Thu	0930	S06s	314-906/5=44724 weak	USB	(HFD)
8650	27-9-2012	Thu	0930	S06s	314 906 5 44724 42890 37123 41370 34941 906 5 00000	USB	(Spec)
8695	7-9-2012	Fri	0610	S06s	196-483/5=31023	USB	(HFD)
8703.5	16-9-2012	Sun	0839	XSL	Japanese Navy a.k.a. Slot Machine	QPSK 1500bd	(AB-HK)
8789	2-9-2012	Sun	1014	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	2-9-2012	Sun	1030	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	2-9-2012	Sun	2332	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	3-9-2012	Mon	1036	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	3-9-2012	Mon	1105	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	4-9-2012	Tue	0056	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	4-9-2012	Tue	1013	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	5-9-2012	Wed	1023	M89	WITN DE GNXG. REPEATS.	CW	(EW)
8789	15-9-2012	Sat	0128	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	15-9-2012	Sat	2309	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	22-9-2012	Sat	1010	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8789	24-9-2012	Mon	1010	M89	WITN DE GNXG	CW	(EW)
8789	26-9-2012	Wed	1028	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //10779	CW	(JPL-HK)
8816	11-9-2012	Tue	0714	M32b	26767: Russian Naval Air Transport qtc to rjf94 qql XLMF 0710 qbg 5800 k - qqm XLLV 0933 sk	CW	(WP3)
8816	11-9-2012	Tue	0750	M32b	11605: Russian Naval Air Transport qtc to rjf94 rjc38 11605 qth 6559 3829 qtr 0747 qbg 6400 k - qqm ULAA 0816 sk	CW	(WP3)
8816	14-9-2012	Fri	0800	M32b	26761: Russian Naval Air Transport. qtc to rjf94 rjc38 26761 qqm XLAA 0800 sk - 26761 qto 0900 qrd XLMV XLAA qre 1045	CW	(WP3)
8816	20-9-2012	Thu	0715	M32b	26760: Russian Naval Air Transport RUS 0715 CW qtc to rjf94 rjc38 26760 qql XLMF 0715 qbg 5800	CW	(WP3)
8816	20-9-2012	Thu	0728	M32b	11605: Russian Naval Air Transport RUS 0728 CW qtc to rjf94 rjc38 11605 qto 0721 qrd XLMV XRRR qre 1231 qbd	CW	(WP3)
8816	20-9-2012	Thu	0805	M32b	26760: Russian Naval Air Transport RUS 0805 CW qtc to rjf94 rjc38 26760 qto 0755 qrd XRRR XLWF qre 1155 qbd	CW	(WP3)
8816	20-9-2012	Thu	0820	M32b	40841: Russian Naval Air Transport RUS 0820 CW qtc to rcb rjf94 qto 0810 qrd XLLV XMWB qah 8200 qbd 0500 k	CW	(WP3)
8816	20-9-2012	Thu	0945	M32b	74455: Russian Naval Air Transport RUS 0903 qtc to rjf94 rjc38 74455 qto 0845 qrd XLLV XMWB qah 5100 qbd 0500	CW	(WP3)
8816	21-9-2012	Fri	0802	M32b	26760: Russian Naval Air Transport qtc to rjf94 rjc38 - qto 0755 qrd XRRR XLWF qre 1155 qbd 5400	CW	(WP3)
8816	21-9-2012	Fri	0805	M32b	26760: Russian Naval Air Transport qtc to rjf94 rjc38 26760 qto 0755 qrd XRRR XLWF qre 1155	CW	(WP3)
8816	21-9-2012	Fri	0820	M32b	45841: Russian Naval Air Transport qtc to rjf94 rcb - qto 0810 qrd XLLV XMWB qah 8200 qbd 0500	CW	(WP3)
8816	21-9-2012	Fri	0820	M32b	40841: Russian Naval Air Transport qtc to rcb rjf94 qto 0810 qrd XLLV XMWB qah 8200 qbd 0500 k	CW	(WP3)
8816	21-9-2012	Fri	0855	M32b	74455: Russian Naval Air Transport qtc to rjf94 rcb - qto 0845	CW	(WP3)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
					qrd XLLV XMWB qah 5100 qbd 0500		
8816	21-9-2012	Fri	0903	M32b	74455: Russian Naval Air Transport qtc to rjf94 rjc38 74455 qto 0845 qrd XLLV XMWB qah 5100 qbd 0500	CW	(WP3)
8816	21-9-2012	Fri	0930	M32b	26760: Russian Naval Air Transport qtc to rjf94 rjc38 - qto 0921 qrd XLWF XRKE qre 1320 qbd 56000	CW	(WP3)
8816	21-9-2012	Fri	1445	M32b	74455: Russian Naval Air Transport qtc to rjf94 rcb qto 1440 qrd XMWB XLLV qah 5500 qbd 0500	CW	(WP3)
8816	22-9-2012	Sat	1410	M32b	26760: Russian Naval Air Transport qtc to rjf94 rjc38- qto 1403 qrd XLPB XLWF qre 1510 qbd 5400	CW	(WP3)
8821	29-9-2012	Sat	0825	M32	Russian Mil. XKJ6 wkg TWB9. "twb9 de xkj6k"	CW	(Q-HOL)
9045	14-9-2012	Fri	0611	XPA2	(06:10-06:13)	MFSK	(FMB)
9052	9-9-2012	Sun	0720	XPA2	(07:20-07:23)	MFSK	(FMB)
9063	28-9-2012	Fri	0800	M08a	Missed callups.	MCW	(BCA)
9068	7-9-2012	Fri	0620	M42	Russian Intel.	FSK 200/1000	(FMB)
9126	7-9-2012	Fri	1700	M14	269 ttttt	CW	
9137	6-9-2012	Thu	0510	E07a	411 1-68986	AM	(HFD)
9137	13-9-2012	Thu	0510	E07a	411 1 38380 269 66 89639 98717 28917 ... 72225 26319 000 000	AM	(Spec)
9144	8-9-2012	Sat	1920	M32	Russian Mil. "tmk qyt9"	CW	(Q-HOL)
9145	3-9-2012	Mon	1200	S06s	831-952/6=20163	USB	(HFD)
9145	20-9-2012	Thu	1200	S06s	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000	USB	(Spec)
9145	23-9-2012	Sun	2341	M32a	RIW Russian Navy HQ Moscow. In progress. Ends 2128 93465 65237 GT T4 66794 23T2 9 AR	CW	(LG2)
9145	27-9-2012	Thu	1200	S06s	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000	USB	(Spec)
9150	5-9-2012	Wed	1115	M03	650/00	CW	(HFD)
9150	6-9-2012	Thu	1115	M03	650/00	CW	(HFD)
9150	9-9-2012	Sun	1320	M03	437/00	CW	(HFD)
9150	13-9-2012	Thu	1320	M03	432/35=85171	CW	(HFD)
9150	20-9-2012	Thu	1115	M03	650/00 = = 000 (1109 UTC: VVV)	CW	(AB)
9150	20-9-2012	Thu	1320	M03	437/00 = = 000	CW	(AB)
9150	23-9-2012	Sun	1320	M03	437/00 = = 000	CW	(Q-HOL)
9150	30-9-2012	Sun	1320	M03	437/00 = = 000	CW	(Q-HOL)
9153	13-9-2012	Thu	1356	V26	Chinese language V26 numbers station //7553 kHz	USB	(Token)
9153	24-9-2012	Mon	1014	V26	Tentative V26 in progress	USB	(EW)
9169	8-9-2012	Sat	2150	M12	441 1 784 91 28034	CW	(FN)
9176	3-9-2012	MON	1700	M12	257 1 2219 80 62444	CW	(FN)
9176	3-9-2012	MON	1800	M12	257 1 4107 57 51701	CW	(FN)
9176	3-9-2012	MON	1900	M12	257 1 9095 40 65196	CW	(FN)
9176	6-9-2012	THU	1700	M12	257 1 3476 95 60822	CW	(FN)
9176	6-9-2012	THU	1900	M12	257 1 6421 44 30749	CW	(FN)
9176	10-9-2012	MON	1700	M12	257 1 9884 74 34205	CW	(FN)
9176	10-9-2012	Mon	1700	M12	257 1	CW	(HFD)
9176	10-9-2012	MON	1800	M12	257 1 5257 49 44564	CW	(FN)
9176	10-9-2012	MON	1900	M12	257 1 4754 79 79086	CW	(FN)
9176	13-9-2012	THU	1700	M12	257 15534 73 51832	CW	(FN)
9176	13-9-2012	THU	1900	M12	257 1 5165 68 67332	CW	(FN)
9176	17-9-2012	MON	1700	M12	257 1 2353 80 04109	CW	(FN)
9176	17-9-2012	Mon	1704	M12	in progress, ends with "000 000".	CW	(Q-HOL)
9176	17-9-2012	MON	1800	M12	257 1 1232 42 85217	CW	(FN)
9176	17-9-2012	MON	1900	M12	257 1 9822 73 89103	CW	(FN)
9176	20-9-2012	THU	1700	M12	257 1 8463 84 32365	CW	(FN)
9176	20-9-2012	THU	1900	M12	257 1 4689 50 70557	CW	(FN)
9176	24-9-2012	MON	1700	M12	257 1 9166 76 07628	CW	(FN)
9176	24-9-2012	MON	1800	M12	257 1 6206 54 75330	CW	(FN)
9176	24-9-2012	MON	1900	M12	257 1 5387 96 59634	CW	(FN)
9176	27-9-2012	THU	1700	M12	257 1 9229 64 66815	CW	(FN)
9176	27-9-2012	THU	1900	M12	257 1 4639 48 18996	CW	(FN)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
9212	9-9-2012	Sun	1537	M51	FAV22	CW	(Q-I)
9213	8-9-2012	Sat	1516	M51	"...bt nr 45 s 05 17:18:25 1984 bt..."	CW	(Q-HOL)
9213	9-9-2012	Sun	1013	M51	"bt nr 08 s 10 12:20:22 1984 bt"	CW	(Q-HOL)
9214	7-9-2012	Fri	1959	M23	579	CW	
9214	8-9-2012	Sat	1309	M51	in progress	CW	
9214	24-9-2012	Mon	1906	M51	ip.	CW	(FMB)
9218	2-9-2012	Sun	1955	M23	579 (repeated)	CW	(HS2)
9220	3-9-2012	Mon	0704	S06s	...77544 04816 56447 03176 268 5 00000	USB	(HS2)
9238	3-9-2012	Mon	0830	M42	Russian Intel.	FSK 200/1000	(LG2)
9239	6-9-2012	Thu	1900	M42	Russian Gov/Intel.	Baudot 200/50	(FMB)
9239	6-9-2012	Thu	1900	M42	6 54	FSK 200/500	(HFD)
9239	20-9-2012	Thu	1900	M42	Russian Intel. 00000+++++++162)5761	FSK 200/500	(AnEur)
9240	5-9-2012	Wed	1000	V02a	Atencion 06222 17852 31271 LG 76744	AM	(Dan)
9240	19-9-2012	Wed	1000	V02a	Atencion 57632 61061 74382 LG ?????	AM	(Dan)
9255	5-9-2012	Wed	0830	S06s	471	USB	(HFD)
9255	5-9-2012	Wed	0830	S06s	471 206 5 71826 09876 45261 34489 98012 206 5 00000	USB	(Spec)
9255	12-9-2012	Wed	0827	S06s	451 msg	USB	(Q-HOL)
9255	12-9-2012	Wed	0830	S06s	471 206 5 71826 09876 45261 34489 98012 206 5 00000	USB	(Spec)
9255	19-9-2012	Wed	0830	S06s	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000	USB	(Spec)
9255	26-9-2012	Wed	0830	S06s	471 258 6 05571 52052 24451 56743 21578 84240 258 6 00000	USB	(Spec)
9264	4-9-2012	Tue	1855	M12	in progress	CW	(BCI)
9264	6-9-2012	THU	1720	M12	124 1 2049 78 77160	CW	(FN)
9264	6-9-2012	THU	1820	M12	124 1 8769 81 02654	CW	(FN)
9264	7-9-2012	FRI	1820	M12	124 1 8075 75 69248	CW	(FN)
9264	11-9-2012	TUE	1850	M12	124 1 8602 51 00512	CW	(FN)
9264	13-9-2012	THU	1720	M12	124 1 2120 78 76754	CW	(FN)
9264	13-9-2012	Thu	1740	M12	124 1	CW	(HFD)
9264	13-9-2012	THU	1820	M12	124 1 5558 94 17782	CW	(FN)
9264	14-9-2012	FRI	1820	M12	124 1 2441 85 35423	CW	(FN)
9264	18-9-2012	TUE	1850	M12	124 1 6467 61 83721	CW	(FN)
9264	20-9-2012	THU	1720	M12	124 1 4082 76 74042	CW	(FN)
9264	20-9-2012	THU	1820	M12	124 1 2643 97 32248	CW	(FN)
9264	21-9-2012	FRI	1820	M12	124 1 852 41 22731	CW	(FN)
9264	25-9-2012	TUE	1850	M12	124 1 1226 70 47950	CW	(FN)
9264	27-9-2012	THU	1720	M12	124 1 9436 73 34567	CW	(FN)
9264	27-9-2012	THU	1820	M12	124 1 8810 49 11600	CW	(FN)
9264	28-9-2012	FRI	1820	M12	124 1 9240 82 95630	CW	(FN)
9276	4-9-2012	Tue	1940	XPA	msg	MFSK	(HFD)
9276	11-9-2012	Tue	1940	XPA	msg, but could not decode	MFSK	(tING)
9276	15-9-2012	Sat	0700	V13	New Star #3. Musical intro & coded messages	USB	(AB-HK)
9276	15-9-2012	Sat	0800	V13	New Star #3. Musical intro & coded messages	USB	(AB-HK)
9276	16-9-2012	Sun	0813	V13	New Star in progress	USB	(AB-HK)
9276	30-9-2012	Sun	0800	V13	New Star #3. Tune + coded messages	USB	(AB-HK)
9277	25-9-2012	Tue	1942	XPA2	ip.	MFSK	(FMB)
9300	8-9-2012	Sat	0705	---	Pirate; Spanish. 123 (repeated) 457 457 12 12 43586 43586 80378 80378 77662 77662 36926 36926 34877 24877 32258	USB	(Q-HOL)
9300	8-9-2012	Sat	0707	---	Pirate; German. 123 (repeated) 457 457 12 12 43586 43586 80378 80378 77662 77662 36926 36926 34877 24877 32258	USB	(Q-HOL)
9300	8-9-2012	Sat	0738	---	Pirate; Russian. In progress 43795 81190 22191 97885 55053 99625 457 12 followed by 357 (repeated) 001 001 349 349	USB	(Q-HOL)
9327	5-9-2012	WED	1910	M12	938 1 4159 68 35445	CW	(FN)
9327	12-9-2012	WED	1910	M12	938 1 2564 66 09698	CW	(FN)
9327	19-9-2012	WED	1910	M12	938 1 7055 67 45544	CW	(FN)
9327	26-9-2012	WED	1910	M12	938 1 4083 64 64278	CW	(FN)
9335	9-9-2012	Sun	0710	XPA2	(07:10-07:13)	MFSK	(FMB)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
9335	14-9-2012	Fri	0712	XPA2	(07:12-07:13)	MFSK	(FMB)
9354	3-9-2012	Mon	0600	XPA2	03190 00092 71712 40686 65515	MFSK	(HS2)
9371	6-9-2012	Thu	1730	E11	416/00	USB	(HFD)
9373	23-9-2012	Sun	1048	M32a	Russian Navy: "rgv82 de rmp k..." "...rgv82 de rmp k rgv82 ok..."..."rgv82 de rmp ok qyt4 q wh 11548/ 11548 q s x 1t 492	CW	(Q-HOL)
9387	6-9-2012	Thu	2010	E07	358 0	AM	(HFD)
9387	13-9-2012	Thu	2010	E07	358 358 358 1 msg 000 000	AM	(Q-HOL)
9387	27-9-2012	Thu	2010	E07	358 358 358 1 782 61 782 61 40809 88668 à 44710 000 000	AM	(tING)
9391	3-9-2012	Mon	0700	XPA2	03190 00092 71712 40686 65515	MFSK	(HS2)
9392	9-9-2012	Sun	0700	XPA2	(07:00-07:03)	MFSK	(FMB)
9399	3-9-2012	Mon	0900	E11	534/00	USB	(HFD)
9399	3-9-2012	Mon	0900	E11	534/00	USB	(HS2)
9425	7-9-2012	Fri	1715	M42	Russian Intel.	FSK 200/1000	(FMB)
9450	26-9-2012	Wed	1313	E25	Transmitting random series of numbers, the 1000 Hz tone, "EOM", "Repeat", etc.	AM	(MG/FG)
9463	14-9-2012	Fri	1812	M24	(ip; qrm BC)..==349 349 79 79 ttttt	CW	(FMB)
9480	5-9-2012	Wed	0840	S06s	328-901/5=15243	USB	(HFD)
9480	12-9-2012	Wed	0840	S06s	398 msg	USB	(Q-HOL)
9480	12-9-2012	Wed	0854	S06s	398 msg	USB	(Q-HOL)
9936	8-9-2012	Sat	1710	M42	Russian Intel. Message 2 (not sync)	FSK 200/1000	(FMB)
9936	8-9-2012	Sat	1900	G06	184 gr message	AM	(Avare)
9936	8-9-2012	Sat	1940	G06	in progress. Ends with "259 184 00000"	AM	(Danix)
9940	8-9-2012	Sat	1812	M14	(ip)== 256 256 73 73 ttttt	CW	(FMB)
9960	4-9-2012	Tue	1020	S11a	425/36=00933	USB	(HFD)
9960	25-9-2012	Tue	1020	S11a	426/00	USB	(HS2)
09007	6-9-2012	Thu	0430	E07a	411 1-68986-423/46 -44743	AM	(HFD)
10116	2-9-2012	Sun	1740	E07	201 1 718 84 61392 55094 03353 ...85435 40666 000 000	AM	(AB)
10116	2-9-2012	Sun	1740	E07	201 1	AM	(HFD)
10116	2-9-2012	Sun	1740	E07	201 1 718 84 61392 55094 40666	AM	(HS2)
10116	16-9-2012	Sun	1740	E07	201 201 201 1 5FGs 000 000	AM	(Q-HOL)
10116	19-9-2012	Wed	1740	E07	201 1 647 109 22630 13947 15556 ... 000 000	AM	(AB)
10116	30-9-2012	Sun	1740	E07	201 1 736 120 50036 88127 15085 76371 98761 ... 22913 59097 AM 000 000	AM	(Q-HOL)
10126	16-9-2012	SUN	1910	M12	991 1 181 109 69759	CW	(FN)
10161	3-9-2012	Mon	0648	X06	Mazielka. Sequence: 165324	USB	(HS2)
10180	1-9-2012	Sat	1126	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	2-9-2012	Sun	1008	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	3-9-2012	Mon	1044	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	5-9-2012	Wed	1207	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	6-9-2012	Thu	1205	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	9-9-2012	Sun	1234	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	9-9-2012	Sun	1234	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	10-9-2012	Mon	1031	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	14-9-2012	Fri	1255	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	14-9-2012	Fri	1410	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	15-9-2012	Sat	1107	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	18-9-2012	Tue	1207	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	19-9-2012	Wed	1253	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	20-9-2012	Thu	1233	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	21-9-2012	Fri	1141	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	23-9-2012	Sun	1059	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	24-9-2012	Mon	1203	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL-HK)
10180	26-9-2012	Wed	1026	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10180	30-9-2012	Sun	1109	M89	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL-HK)
10221	4-9-2012	Tue	0710	E11	633/00	USB	(HFD)
10273	25-9-2012	Tue	1714	RMv	Russian Mil. "Pion-40", "Parket-38", "Spitsa-39", "Rebus-01".	USB	(AnRus)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
10313	6-9-2012	Thu	2006	M51	ip	CW	
10334	12-9-2012	WED	1540	M12	344 1 141 133 52093	CW	(FN)
10334	19-9-2012	WED	1540	M12	344 1 444 271 91429	CW	(FN)
10334	26-9-2012	WED	1540	M12	344 1 140 195 24645	CW	(FN)
10338	25-9-2012	Tue	1716	M32	Russian Mil. c/s RIR2	CW	(AnRus)
10343	6-9-2012	THU	1700	M12	124 1 2049 78 77160	CW	(FN)
10343	6-9-2012	THU	1800	M12	124 1 8769 81 02654	CW	(FN)
10343	7-9-2012	FRI	1800	M12	124 1 8075 75 69248	CW	(FN)
10343	11-9-2012	TUE	1830	M12	124 1 8602 51 00512	CW	(FN)
10343	11-9-2012	Tue	1830	M12	124 1	CW	(tING)
10343	13-9-2012	THU	1700	M12	124 1 2120 78 76754	CW	(FN)
10343	13-9-2012	Thu	1700	M12	124 1	CW	(HFD)
10343	13-9-2012	THU	1800	M12	124 1 5558 94 17782	CW	(FN)
10343	14-9-2012	FRI	1800	M12	124 1 2441 85 35423	CW	(FN)
10343	18-9-2012	TUE	1830	M12	124 1 6467 61 83721	CW	(FN)
10343	20-9-2012	THU	1700	M12	124 1 4082 76 74042	CW	(FN)
10343	20-9-2012	THU	1800	M12	124 1 2643 97 32248	CW	(FN)
10343	21-9-2012	FRI	1800	M12	124 1 852 41 22731	CW	(FN)
10343	25-9-2012	TUE	1830	M12	124 1 1226 70 47950	CW	(FN)
10343	27-9-2012	THU	1700	M12	124 1 9436 73 34567	CW	(FN)
10343	27-9-2012	THU	1800	M12	124 1 8810 49 11600	CW	(FN)
10343	28-9-2012	FRI	1800	M12	124 1 9240 82 95630	CW	(FN)
10360	8-9-2012	Sat	0600	XPA	msg	MFSK	(HFD)
10375	24-9-2012	Mon	1459	M97	SD75 SN80	CW	(AB-HK)
10420	4-9-2012	Tue	0810	S06s	352	USB	(HFD)
10420	4-9-2012	Tue	0810	S06s	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000	USB	(Spec)
10420	11-9-2012	Tue	0810	S06s	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000	USB	(Spec)
10420	18-9-2012	Tue	0810	S06s	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000	USB	(Spec)
10420	25-9-2012	Tue	0810	S06s	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000	USB	(Spec)
10423	1-9-2012	Sat	1712	M14	5FGs short zero, ending "= = 126 126 54 54 TTTT"	CW	(MOR)
10423	7-9-2012	Fri	1707	M14	(ip) == 417 417 65 65 ttttt	CW	
10424	11-9-2012	Tue	1700	M14	t58 (R5) 137 56= 18976...	CW	(FMB)
10432	8-9-2012	Sat	0820	M42	Russian Intel.	FSK 200/1000	(FMB)
10456	17-9-2012	Mon	2048	M89	v rxp7 rxp7 rxp7 de czt2 czt2	CW	(Q-I)
10469	1-9-2012	Sat	2130	M12	441 000	CW	(FN)
10469	8-9-2012	Sat	2130	M12	441 1 784 91 28034	CW	(FN)
10469	22-9-2012	Sat	2130	M12	441 000	CW	(FN)
10469	29-9-2012	Sat	2130	M12	441 000	CW	(FN)
10475	7-9-2012	Fri	0647	M42	RQS: Russian Gov. (Samara area) crypto to Moscow on QSX 10595 kHz	FSK 100/500	(PPA)
10476	4-9-2012	Tue	1920	XPA	msg	MFSK	(HFD)
10476	11-9-2012	Tue	1920	XPA	msg, but could not decode	MFSK	(tING)
10476	13-9-2012	Thu	1920	XPA	542 1 00281 00307 40578 44735	MFSK	(HS2)
10486	8-9-2012	Sat	1120	M42	Russian Intel.	FSK 200/1000	(FMB)
10595	7-9-2012	Fri	0647	M42	RKD48: Russian Gov. QSX 10475 kHz	FSK 100/500	(PPA)
10598	5-9-2012	WED	1850	M12	938 1 4159 68 35445	CW	(FN)
10598	12-9-2012	WED	1850	M12	938 1 2564 66 09698	CW	(FN)
10598	19-9-2012	WED	1850	M12	938 1 7055 67 45544	CW	(FN)
10598	26-9-2012	WED	1850	M12	938 1 4083 64 64278	CW	(FN)
10640	1-9-2012	Sat	0120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	1-9-2012	Sat	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	2-9-2012	Sun	0020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	2-9-2012	Sun	1021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	3-9-2012	Mon	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	4-9-2012	Tue	0021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	4-9-2012	Tue	1021	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)

Freq.	date	day	UTC	enigma	remarks	mode	contributor
10640	5-9-2012	Wed	1025	M89	Q2M DE NYZ. REPEATS.	CW	(EW)
10640	5-9-2012	Wed	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	7-9-2012	Fri	2319	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	9-9-2012	Sun	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	9-9-2012	Sun	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	10-9-2012	Mon	1019	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	11-9-2012	Tue	0320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	15-9-2012	Sat	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	18-9-2012	Tue	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	19-9-2012	Wed	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	23-9-2012	Sun	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	24-9-2012	Mon	0220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	24-9-2012	Mon	1220	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	25-9-2012	Tue	2320	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	26-9-2012	Wed	1020	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10640	30-9-2012	Sun	1120	M89	VVV (x3) Q2M DE NYZ (x2) QSA ? K //6840	CW	(JPL-HK)
10687	8-9-2012	Sat	1700	M42	Russian Intel. Message 1	FSK 200/1000	(FMB)
10687	10-9-2012	Mon	1700	M42	Russian Intel.	FSK 200/1000	(FMB)
10690	3-9-2012	Mon	0830	E11	649/00	USB	(HFD)
10690	3-9-2012	Mon	0830	E11	649/00	USB	(HS2)
10690	17-9-2012	Mon	0830	E11	649/00	USB	(AB)
10690	24-9-2012	Mon	0830	E11a	647/34 Attention 56320 59381 84640 17515 ... 51994 40281 Out	USB	(Spec)
10700	30-9-2012	Sun	1435	EV01	Very weak signal.	USB	(PanDR)
10708	3-9-2012	Mon	1920	E07	172 0	AM	(HFD)
10708	10-9-2012	Mon	1920	E07	172 172 172 000	AM	(Q-HOL)
10711	3-9-2012	MON	1640	M12	546 1 9248 92 22140	CW	(FN)
10711	3-9-2012	Mon	1640	M12	546 1	CW	(HFD)
10711	10-9-2012	MON	1640	M12	546 1 4218 93 37017	CW	(FN)
10711	17-9-2012	MON	1640	M12	546 1 8320 73 37825	CW	(FN)
10711	24-9-2012	MON	1640	M12	546 1 852 41 22731	CW	(FN)
10779	1-9-2012	Sat	0131	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	2-9-2012	Sun	0206	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	2-9-2012	Sun	1014	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	2-9-2012	Sun	1030	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	2-9-2012	Sun	2332	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	3-9-2012	Mon	1036	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	3-9-2012	Mon	1105	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	4-9-2012	Tue	0056	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	4-9-2012	Tue	1013	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	5-9-2012	Wed	1005	M89	WITN DE GNXG. REPEATS.	CW	(EW)
10779	9-9-2012	Sun	0152	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	9-9-2012	Sun	0152	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	10-9-2012	Mon	1025	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	11-9-2012	Tue	0232	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	12-9-2012	Wed	0214	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	15-9-2012	Sat	0128	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	15-9-2012	Sat	2309	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	16-9-2012	Sun	0124	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	18-9-2012	Tue	0245	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	19-9-2012	Wed	0213	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	22-9-2012	Sat	1010	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	25-9-2012	Tue	2306	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)
10779	26-9-2012	Wed	1028	M89	V WITN (x3) DE GNXG (x2) (Cont'd) //8789	CW	(JPL-HK)
10779	27-9-2012	Thu	1048	M89	WITN DE GNXG	CW	(EW)
10779	30-9-2012	Sun	1107	M89	V WITN (x3) DE GNXG (x2) (Cont'd)	CW	(JPL-HK)

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10800	3-9-2012	Mon	0450	E11	416/00	USB	(HFD)
10800	4-9-2012	Tue	0645	E11	517/00	USB	(HFD)
10800	6-9-2012	Thu	0645	E11	517/37	USB	(MOR)
10835	5-9-2012	Wed	0530	S06s	153-460/7=93055	USB	(HFD)
10835	5-9-2012	Wed	0530	S06s	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000	USB	(Spec)
10835	11-9-2012	Tue	0530	S06s	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000	USB	(Spec)
10871.7	9-9-2012	Sun	1748	MX	Beacon "D"	CW	(Q-I)
10871.7	11-9-2012	Tue	1012	MX	beacon "D"	CW	(Q-HOL)
10871.7	21-9-2012	Fri	1919	MX	beacon "D"	CW	(Q-HOL)
10871.7	22-9-2012	Sat	2050	MX	beacon "D"	CW	(Q-HOL)
10871.8	9-9-2012	Sun	0733	MX	Beacon "P"	CW	(Q-HOL)
10871.8	9-9-2012	Sun	1537	MX	Beacon P: Kaliningrad	CW	(LG2)
10871.8	11-9-2012	Tue	1012	MX	beacon "P"	CW	(Q-HOL)
10871.8	18-9-2012	Tue	1925	MX	beacon "P".	CW	(Q-HOL)
10871.8	28-9-2012	Fri	1923	MX	beacon "D"	CW	(Q-HOL)
10871.9	9-9-2012	Sun	1537	MX	Russian Navy Beacon S Archangel	CW	(LG2)
10872	9-9-2012	Sun	1537	MX	Beacon C: Moscow	CW	(LG2)
10872	9-9-2012	Sun	1748	MX	Beacon "C"	CW	(Q-I)
10872	11-9-2012	Tue	1012	MX	beacon "C"	CW	(Q-HOL)
10872	16-9-2012	Sun	2038	MX	Beacon "C"	CW	(Q-HOL)
10872	18-9-2012	Tue	1926	MX	beacon "C".	CW	(Q-HOL)
10872	21-9-2012	Fri	1928	MX	beacon "C"	CW	(Q-HOL)
10872	28-9-2012	Fri	1911	MX	Defective beacon sending, "c u k r" (repeated)	CW	(Q-HOL)
10872	29-9-2012	Sat	0734	MX	Defective beacon repeats "c u k r"	CW	(AB)
10872.3	15-9-2012	Sat	0923	MX	Beacon "K"	CW	(AB-HK)
10872.4	15-9-2012	Sat	0923	MX	Beacon "M"	CW	(AB-HK)
10880	18-9-2012	Tue	0645	E11	???/00	USB	(TR2)
10957.5	4-9-2012	Tue	2211	M51	French MIL Intel with "1987" coded 5LGs messages	CW	(MCO)
11000	17-9-2012	Mon	2021	M32a	Russian navy	CW	(Q-I)
11040	5-9-2012	Wed	0850	S06s	328	USB	(HFD)
11055	7-9-2012	Fri	0613	M42	RMA2: Russian Gov. (area Orenburg Oblast)	Baudot 50/500	(PPA)
11057	6-9-2012	Thu	2021	XPA2	ip	MFSK	
11061	24-9-2012	Mon	1917	S06	036	AM	(FMB)
11062	2-9-2012	Sun	1720	E07	201 1	AM	(HFD)
11062	2-9-2012	Sun	1720	E07	201 1 718 84 61392 55094 40666	AM	(HS2)
11062	9-9-2012	Sun	1720	E07	201 201 201 00000	AM	(LP2)
11062	16-9-2012	Sun	1720	E07	201 1 647 109 22630 13947 15556 ... 24387 09992 95753 000 000	AM	(Avare)
11062	16-9-2012	Sun	1720	E07	201 201 201 1 5FGs 000 000	AM	(Q-HOL)
11062	19-9-2012	Wed	1720	E07	201 1 647 109 22630 13947 15556 ... 000 000	AM	(AB)
11062	23-9-2012	Sun	1720	E07	201 201 201 000	AM	(Q-HOL)
11062	30-9-2012	Sun	1720	E07	201 1 736 120 50036 88127 15085 76371 98761 ... 22913 59097 000 000	AM	(Q-HOL)
11076	31-8-2012		0710	M42	Russian Intel.	FSK 200/1000	(PPA)
11089	7-9-2012	Fri	0610	M42	Russian Intel.	FSK 200/1000	(FMB)
11123	8-9-2012	Sat	1610	M42	Russian Intel.	FSK 200/1000	(FMB)
11155	23-9-2012	Sun	1009	M32a	Russian Navy: "...vvv rjq84 rjq84 rjq84 de rit rit qsa? qtkc..." "...vvv rhc93 rhc93 rhc93 de rit rit qsa? qtc k..."	CW	(Q-HOL)
11198.4	8-9-2012	Sat	0631	DPRK	North Korean diplo	DPRK-ARQ 600/600	(PPA)
11354	17-9-2012	Mon	0840	RAv	PRIBOJ "datas & priom,priom..."	USB	(ML4)
11422	28-9-2012	Fri	0700	S06c	?8716	USB	(Avare)
11430	1-9-2012	Sat	1200	V13	New Star	USB	(PanDR)
11430	1-9-2012	Sat	1300	V13	New Star	USB	(PanDR)

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11430	8-9-2012	Sat	1200	V13	New Star #4. Flute intro followed by coded messages	USB	(AB-HK)
11430	15-9-2012	Sat	0600	V13	New Star #4. Musical intro & coded messages	USB	(AB-HK)
11430	20-9-2012	Thu	0600	V13	New Star #4. Musical intro + code messages	USB	(AB-HK)
11430	23-9-2012	Sun	1325	V13	New Star YL/CC 4F numbers stn	AM	(N2UHC)
11430	30-9-2012	Sun	1203	V13	New Star in progress	AM	(Q-HK)
11430	30-9-2012	Sun	1300	V13	New Star	USB	(PanDR)
11435	5-9-2012	WED	1830	M12	938 1 4159 68 35445	CW	(FN)
11435	12-9-2012	WED	1830	M12	938 1 2564 66 09698	CW	(FN)
11435	19-9-2012	WED	1830	M12	938 1 7055 67 45544	CW	(FN)
11435	26-9-2012	WED	1830	M12	938 1 4083 64 64278	CW	(FN)
11451	14-9-2012	Fri	0700	M42	Russian Intel.	FSK 200/1000	(FMB)
11460	3-9-2012	Mon	1210	S06s	831	USB	(HFD)
11460	3-9-2012	Mon	1210	S06s	831 952 6 20163 29076 56605 45562 52563 31067 952 6 00000	USB	(HS2)
11460	20-9-2012	Thu	1210	S06s	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000	USB	(Spec)
11460	27-9-2012	Thu	1210	S06s	831 450 6 78374 56748 34908 78325 23990 56445 450 6 00000	USB	(Spec)
11469	1-9-2012	Sat	2110	M12	441 000	CW	(FN)
11469	8-9-2012	Sat	2110	M12	441 1 784 91 28034	CW	(FN)
11469	29-9-2012	Sat	2110	M12	441 000	CW	(FN)
11472	3-9-2012	MON	1340	M12	344 1 821 127 77798	CW	(FN)
11472	10-9-2012	MON	1340	M12	344 1 141 133 52093	CW	(FN)
11472	10-9-2012	Mon	1340	M12	344 1	CW	(HFD)
11472	24-9-2012	MON	1340	M12	344 1 140 195 24645	CW	(FN)
11473	22-9-2012	Sat	1350	M12	834 1 312 97 58701	CW	(FN)
11524	5-9-2012	Wed	1520	M12	344 1	CW	(HFD)
11524	12-9-2012	WED	1520	M12	344 1 141 133 52093	CW	(FN)
11524	19-9-2012	WED	1520	M12	344 1 444 271 91429	CW	(FN)
11524	26-9-2012	WED	1520	M12	344 1 140 195 24645	CW	(FN)
11560	4-9-2012	Tue	0800	S06s	427 427 427 00000	USB	(Avare)
11560	8-9-2012	Sat	0620	XPA	msg	MFSK	(HFD)
11560	18-9-2012	Tue	0800	S06	427 427 427 00000	AM	(TR2)
11561	3-9-2012	Mon	1620	M12	546 1	CW	(HFD)
11566	3-9-2012	MON	1620	M12	546 1 9248 92 22140	CW	(FN)
11566	10-9-2012	MON	1620	M12	546 1 4218 93 37017	CW	(FN)
11566	17-9-2012	MON	1620	M12	546 1 8320 73 37825	CW	(FN)
11566	24-9-2012	MON	1620	M12	546 1 852 41 22731	CW	(FN)
11575	8-9-2012	Sat	1243	M51	in progress	CW	
11576	4-9-2012	Tue	1900	XPA	msg	MFSK	(HFD)
11576	11-9-2012	Tue	1900	XPA	msg, but could not decode	MFSK	(tING)
11576	13-9-2012	Thu	1900	XPA	542 1 00281 00307 40578 44735	MFSK	(HS2)
11585	7-9-2012	Fri	0653	M42	Russian Gov. RDI point to point contact with RQF on QSX 12184 kHz	Baudot 50/500	(PPA)
11611	7-9-2012	Fri	1720	M42	Russian Intel.	FSK 200/1000	(FMB)
11635	4-9-2012	Tue	0800	S06s	352-874/6=11991	USB	(HFD)
11635	4-9-2012	Tue	0800	S06s	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000	USB	(Spec)
11635	11-9-2012	Tue	0800	S06s	352 874 6 11991 17529 22967 20542 08878 59524 874 6 00000	USB	(Spec)
11635	18-9-2012	Tue	0800	S06s	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000	USB	(Spec)
11635	18-9-2012	Tue	0800	S06s	352 ?????	USB	(TR2)
11635	25-9-2012	Tue	0800	S06s	352 897 6 67452 13212 80956 56343 87656 23231 897 6 00000	USB	(Spec)
11830	5-9-2012	Wed	0740	S06s	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000	USB	(Spec)
11830	12-9-2012	Wed	0740	S06s	745 208 6 67545 78674 89563 09785 12315 56534 208 6 00000	USB	(Spec)
12108	3-9-2012	Mon	1900	E07	172 0	AM	(HFD)
12108	10-9-2012	Mon	1900	E07	172 172 172 000	AM	(Q-HOL)
12126	2-9-2012	SUN	1910	M12	991 1 453 219 95566	CW	(FN)
12126	5-9-2012	WED	1830	M12	991 1 959 177 46387	CW	(FN)
12126	9-9-2012	SUN	1910	M12	991 1 959 177 46387	CW	(FN)
12126	12-9-2012	WED	1910	M12	991 1 181 109 69759	CW	(FN)

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12126	12-9-2012	Wed	1910	M12	911 1	CW	(HFD)
12126	26-9-2012	WED	1910	M12	991 1 615 203 71453	CW	(FN)
12126	30-9-2012	SUN	1910	M12	991 1 615 203 71453	CW	(FN)
12140	21-9-2012	Fri	0930	S06s	516-948/7=82736	USB	(HFD)
12162	3-9-2012	MON	1600	M12	546 1 9248 92 22140	CW	(FN)
12162	3-9-2012	Mon	1600	M12	546 1	CW	(HFD)
12162	10-9-2012	MON	1600	M12	546 1 4218 93 37017	CW	(FN)
12162	17-9-2012	MON	1600	M12	546 1 8320 73 37825	CW	(FN)
12162	24-9-2012	MON	1600	M12	546 1 852 41 22731	CW	(FN)
12170	5-9-2012	Wed	0530	S06s	153	USB	(JV)
12170	5-9-2012	Wed	0540	S06s	153	USB	(HFD)
12170	5-9-2012	Wed	0540	S06s	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000	USB	(Spec)
12170	11-9-2012	Tue	0540	S06s	153 460 7 93055 77169 22793 53642 80311 42388 20528 460 7 00000	USB	(Spec)
12184	7-9-2012	Fri	0652	M42	Russian Gov. RQF (Moscow area) point to point contact with RDI on QSX 11585 kHz	Baudot 50/500	(PPA)
12196	8-9-2012	Sat	0810	M42	Russian Intel.	FSK 200/1000	(FMB)
12196	9-9-2012	Sun	0810	M42	Russian Intel.	FSK 200/1000	(FMB)
12208	8-9-2012	Sat	1110	M42	Russian Intel.	FSK 200/1000	(FMB)
12210	6-9-2012	Thu	0500	E06	354-869/102=31915	AM	(HFD)
12223	2-9-2012	Sun	1700	E07	201 1-718/84=61392	AM	(HFD)
12223	2-9-2012	Sun	1700	E07	201 1 718 84 61392 55094 40666	AM	(HS2)
12223	9-9-2012	Sun	1700	E07	201 201 201 00000	AM	(Q-I)
12223	16-9-2012	Sun	1700	E07	201 201 201 1 5FGs 000 000	AM	(Q-HOL)
12223	19-9-2012	Wed	1700	E07	201 1 647 109 22630 13947 15556 ... 000 000	AM	(AB)
12223	23-9-2012	Sun	1700	E07	201 201 201 000	AM	(Q-HOL)
12223	30-9-2012	Sun	1700	E07	201 1 736 120 50036 88127 15085 76371 98761 ... 22913 59097 000 000	AM	(Q-HOL)
12355	4-9-2012	Tue	0610	S06s	438-916/5=98045	USB	(HFD)
12355	18-9-2012	Tue	0610	S06s	438 269 5 19287 45637 37375 67675 32898 269 5 00000	USB	(Spec)
12355	18-9-2012	Tue	0610	S06s	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000	USB	(TR2)
12355	25-9-2012	Tue	0610	S06s	438 269 5 19287 45637 37375 67675 32898 269 5 00000	USB	(Spec)
12415	6-9-2012	Thu	1200	S06s	425-907/6=84367	USB	(HFD)
12415	6-9-2012	Thu	1202	S06s	425 ...	USB	(Q-I)
12415	6-9-2012	Thu	1205	S06s	in progress	USB	(MOR)
12415	6-9-2012	Thu	1205	S06s	425 ...	USB	(MOR)
12415	13-9-2012	Thu	1202	S06s	495 msg 00000	USB	(Q-HOL)
12415	20-9-2012	Thu	1200	S06s	425 908 6 87655 59229 96394 94894 32548 35035 908 6 00000	USB	(AB)
12464	11-9-2012	Tue	0807	M32b	RHL80: Russian Navy rpt of RAA-msg from (RIW?) 913 36 11 1110 913 = for RAA = 34745 07373 ...	CW	(WP3)
12464	14-9-2012	Fri	0755	M32a	RJQ84: Russian Navy. qtc to RIT ...14 0400 234 = sml for rjh45 rjh74 = 14001 99295 70665 12597 61806 10290 40150 54000 70122 22262 00130 299// 88000 80000 14014 = + rjq84	CW	(WP3)
12464	20-9-2012	Thu	1210	M32a	RMUW: Russian Navy: qtc to RCV rmuw 458 17 20 1600 458 = sml for rje73 rjh45 = 20121 99434 10319 41597 32004 10270 40090 54000 70200 83111 22212 00220 20201 20013 = + rmuw k	CW	(WP3)
12930	6-9-2012	Thu	0810	E17z	674	USB	(HFD)
12930	6-9-2012	Thu	0810	E17z	674 908 5 31866 33823 41200 46641 32710 908 5 00000	USB	(Spec)
12930	13-9-2012	Thu	0810	E17z	674 908 5 31866 33823 41200 46641 32710 908 5 00000	USB	(Spec)
12930	20-9-2012	Thu	0810	E17z	674 901 5 31353 16760 99797 42121 34308 901 5 00000	USB	(Spec)
12930	27-9-2012	Thu	0810	E17z	674 901 5 31353 16760 99797 42121 34308 901 5 00000	USB	(Spec)
12952	6-9-2012	Thu	0900	S06s	167 280 5 42812 30239 44448 31828 81357 280 5 00000	USB	(Spec)
12952	13-9-2012	Thu	0900	S06s	167-280/5=42812	USB	(HFD)
12952	13-9-2012	Thu	0900	S06s	167 280 5 42812 30239 44448 31828 81357 280 5 00000	USB	(Spec)
12952	20-9-2012	Thu	0900	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(AB)

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12952	20-9-2012	Thu	0900	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(Spec)
12952	27-9-2012	Thu	0900	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(Spec)
13174	8-9-2012	Sat	0652	M32	JA9Y: Russian military "FP1M DE JA9Y QTC 906 63 8 1045 906 = ZBL 624 ="	CW	(PPA)
13245	20-8-2012		0900	E11a	533/32	USB	(Q-HOL)
13365	4-9-2012	Tue	1030	S06s	in progress. Ends with 816 5 00000	USB	(Q-I)
13365	5-9-2012	Wed	1000	S06s	729-816/5=67438	USB	(HFD)
13365	5-9-2012	Wed	1000	S06s	729 816 5 67438 23990 78921 78960 34250 816 5 00000	USB	(Spec)
13365	12-9-2012	Wed	1000	S06s	624 msg	USB	(Q-HOL)
13365	12-9-2012	Wed	1000	S06s	729 816 5 67438 23990 78921 78960 34250 816 5 00000	USB	(Spec)
13365	19-9-2012	Wed	1000	S06s	729 461 5 66479 59017 80729 45123 36551 461 5 00000	USB	(Spec)
13365	26-9-2012	Wed	1000	S06s	729 461 5 66479 59017 80729 45123 36551 461 5 00000	USB	(Spec)
13373	6-9-2012	Thu	1330	M12	834 0	CW	(HFD)
13373	8-9-2012	Sat	1330	M12	834 000	CW	(FN)
13373	15-9-2012	Sat	1330	M12	834 000	CW	(FN)
13373	22-9-2012	Sat	1330	M12	834 1 312 97 58701	CW	(FN)
13373	29-9-2012	Sat	1330	M12	834 000	CW	(FN)
13375	3-9-2012	Mon	1110	E11	957/34=70996	USB	(HFD)
13375	8-9-2012	Sat	1400	E11	984/12 22693 84652	USB	(FN)
13396	8-9-2012	Sat	1620	M42	Russian Intel.	FSK 200/1000	(FMB)
13404	29-9-2012	Sat	0925	M32	Presumed Russian Mil. "...ihxaez nje ■ mi■b ih xrz nji■b nbgtc po mgu xg°ho xoxur bomwb wcf °z t xiaf dil w irbm■ tsdysiy ow,xv tm afv t ywu° opuul mi knj jx°■h w o pw k..."	CW	(Q-HOL)
13424	11-9-2012	Tue	1045	E11a	577/30 Attention 77273 14820 99769 09410 88904 ... 84438 46254 86520 Out	USB	(Spec)
13424	18-9-2012	Tue	1045	E11	576/00	USB	(TR2)
13424	25-9-2012	Tue	1045	E11	576/00	USB	(HS2)
13424	25-9-2012	Tue	1047	E11	YL/EE calls 576/00 & 776/00 for 5 minutes	USB	(HS2)
13435	8-9-2012	Sat	0920	M42	Russian Intel.	FSK 200/1000	(FMB)
13435	9-9-2012	Sun	0920	M42	Russian Intel.	FSK 200/1000	(FMB)
13454	8-9-2012	Sat	0843	E07a	(ip) 000 000	USB	
13455	11-9-2012	Tue	1810	E11a	987/10=81095	USB	(HFD)
13467	5-9-2012	Wed	1845	M42	Russian Intel. "576 1 00000 +++++ +++++ 162"	Baudot 200bd/500	(MCO)
13470	7-9-2012	Fri	0600	M42	Russian Intel.	FSK 200/1000	(FMB)
13472	3-9-2012	MON	1320	M12	344 1 821 127 77798	CW	(FN)
13472	10-9-2012	MON	1320	M12	344 1 141 133 52093	CW	(FN)
13472	10-9-2012	Mon	1320	M12	344 1	CW	(HFD)
13472	24-9-2012	MON	1320	M12	344 1 140 195 24645	CW	(FN)
13506	8-9-2012	Sat	1220	M42	Russian Gov/Intel.	Baudot 200/50	(FMB)
13515	21-9-2012	Fri	0940	S06s	516	USB	(HFD)
13524	5-9-2012	Wed	1500	M12	344 1	CW	(HFD)
13524	12-9-2012	WED	1500	M12	344 1 141 133 52093	CW	(FN)
13524	19-9-2012	WED	1500	M12	344 1 444 271 91429	CW	(FN)
13524	26-9-2012	WED	1500	M12	344 1 140 195 24645	CW	(FN)
13527.7	7-9-2012	Fri	1411	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
13527.7	9-9-2012	Sun	0930	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
13527.7	18-9-2012	Tue	1918	MX	beacon "D".	CW	(Q-HOL)
13527.9	14-9-2012	Fri	1118	MX	Beacon D: Odessa/Sevastopol 1118 CW 14/09/12 (LG)	CW	(LG2)
13527.9	14-9-2012	Fri	1118	MX	Beacon A: Astrakhan/Baku 1118 CW 14/09/12 (LG)	CW	(LG2)
13527.9	14-9-2012	Fri	1118	MX	Russian Navy Beacon M Magadan 1118 CW 14/09/12 (LG)	CW	(LG2)
13528.1	7-9-2012	Fri	1411	MX	Beacon A: Astrakhan/Baku	CW	(LG2)
13528.1	15-9-2012	Sat	2357	MX	Beacon "A" in progress.	CW	(Q-HOL)
13528.1	18-9-2012	Tue	1917	MX	Beacon "A"	CW	(Q-HOL)
13528.2	15-9-2012	Sat	0923	MX	Beacon "F"	CW	(AB-HK)
13528.3	15-9-2012	Sat	0923	MX	Beacon "K"	CW	(AB-HK)

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13528.4	15-9-2012	Sat	0923	MX	Beacon "M"	CW	(AB-HK)
13543	27-9-2012	Thu	1923	XPA2	ip.	MFSK	(FMB)
13549	7-9-2012	Fri	0825	M42	Russian Gov/Intel. rryryry 817 123 7 0800 1234 = into 123 * 5F Baudot msg with =50= and =100= group markers ending CFM NIL	50/500	(PPA)
13560	8-9-2012	Sat	0640	XPA	msg	MFSK	(HFD)
13565	30-8-2012		0910	S06	167 167 167 00000	AM	(PPA)
13565	6-9-2012	Thu	0910	S06s	167 280 5 42812 30239 44448 31828 81357 280 5 00000	USB	(Spec)
13565	13-9-2012	Thu	0910	S06s	167	USB	(HFD)
13565	13-9-2012	Thu	0910	S06s	167 280 5 42812 30239 44448 31828 81357 280 5 00000	USB	(Spec)
13565	20-9-2012	Thu	0910	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(AB)
13565	20-9-2012	Thu	0910	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(Spec)
13565	27-9-2012	Thu	0910	S06s	167 903 5 33906 82691 34399 47404 41909 903 5 00000	USB	(Spec)
13873	6-9-2012	Thu	1310	M12	834 0	CW	(HFD)
13873	8-9-2012	Sat	1310	M12	834 000	CW	(FN)
13873	15-9-2012	Sat	1310	M12	834 000	CW	(FN)
13873	22-9-2012	Sat	1310	M12	834 1 312 97 58701	CW	(FN)
13873	29-9-2012	Sat	1310	M12	834 000	CW	(FN)
13911	2-9-2012	Sun	1420	M03	879/00	CW	(HS2)
13926	2-9-2012	SUN	1850	M12	991 1 453 219 95566	CW	(FN)
13926	5-9-2012	WED	1830	M12	991 1 959 177 46387	CW	(FN)
13926	9-9-2012	SUN	1850	M12	991 1 959 177 46387	CW	(FN)
13926	12-9-2012	WED	1850	M12	991 1 181 109 69759	CW	(FN)
13926	12-9-2012	Wed	1850	M12	991 1	CW	(HFD)
13926	16-9-2012	SUN	1850	M12	991 1 181 109 69759	CW	(FN)
13926	19-9-2012	WED	1850	M12	991 000	CW	(FN)
13926	23-9-2012	SUN	1850	M12	991 000	CW	(FN)
13926	26-9-2012	WED	1850	M12	991 1 615 203 71453	CW	(FN)
13926	30-9-2012	SUN	1850	M12	991 1 615 203 71453	CW	(FN)
14080	4-9-2012	Tue	0600	S06s	438-916/5=98045	USB	(HFD)
14080	18-9-2012	Tue	0600	S06s	438 269 5 19287 45637 37375 67675 32898 269 5 00000	USB	(Spec)
14080	18-9-2012	Tue	0600	S06s	438 26 4 5 14217 45637 37375 67675 32141 264 5 00000	USB	(TR2)
14080	25-9-2012	Tue	0600	S06s	438 269 5 19287 45637 37375 67675 32898 269 5 00000	USB	(Spec)
14108	1-8-2012		1014	M32	Russian Mil. GYVJ radio checks with IKET, CMNO, 1GA9, MKZ4, 1HCZ, PYTZ, ZO1Y	CW	(IARUMS)
14108	2-8-2012		0900	M32	Russian Mil. GYVJ msg to 1HCZ, IKET, CMNO, 1GA9	CW	(IARUMS)
14108	3-8-2012		0654	M32	Russian Mil. WKGZ, GYVJ msg to CMNO: 241 16 3 1046 241 = 306 = (5FG)	CW	(IARUMS)
14108	7-8-2012		0722	M32	Russian Mil. GYVJ msg to: IKET, CMNO, 1GA9, MKZ4, 1HCZ, PYTZ, ZO1Y	CW	(IARUMS)
14108	7-8-2012		1003	M32	Russian Mil. GYVJ, PYTZ ZO1Y. GYVJ: "155 16 7 1104 155 = 328 = (5FG)". GYVJ: "IKET DE GYVJ ZBN ZBU ZXS QYT6 K"	CW	(IARUMS)
14108	8-8-2012		0705	M32	Russian Mil. GYVJ radio checks to: IGA9, MKZ4, 1HCZ, PYTZ, ZO1Y	CW	(IARUMS)
14108	9-8-2012		0505	M32	Russian Mil. GYVJ	CW	(IARUMS)
14108	10-8-2012		0832	M32	Russian Mil. GYVJ "QTA ZQG ZQM ZDY QYT9". "ZFI ZJM ZDV QYT9 k". "ZLY ZQS ZDI QYT6 k". "ZLN ZQD ZDE QYT6"	CW	(IARUMS)
14108	11-8-2012		0905	M32	Russian Mil. "QQ4I 913 16 11 1048 913 = (5FG)"	CW	(IARUMS)
14108	13-8-2012		0636	M32	Russian Mil. "PYNW DE DT8X ZDU ZEM ZDL QYT9 K". QQ4I clg ZIWN, OSWG, XN5M, OQNC, V4TW, NA3X, PYNW	CW	(IARUMS)
14108	13-8-2012		0656	M32	Russian Mil. "XXX WEGI 87237 BERINGIT 8147 9206 K"	CW	(IARUMS)
14108	14-8-2012		0626	M32	Russian Mil. "OQNC DE QQ4I ZEU ZDC ZDJ QYT9 K"	CW	(IARUMS)
14108	15-8-2012		0612	M32	Russian Mil. QQ4I clg ZIWN, OSWG, XN5M, OQNC, V4TW, NA3X, PYNW	CW	(IARUMS)
14108	16-8-2012		0647	M32	Russian Mil. "XXX WEGI 78728 ANGLICIZM 1750 5607"	CW	(IARUMS)
14108	16-8-2012		1117	M32	Russian Mil. V47G "ZCL ZDF ZAI QYT6 K" QQ4I clg ZIWN, OSWG, XN5M	CW	(IARUMS)
14108	17-8-2012		0624	M32	Russian Mil. "NA3X DE QQ4I ZDU ZEM ZDL ZGM ZDA ZLP QYT6 K". QQ4I clg ZIWN, OSWG, XN5M	CW	(IARUMS)

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14108	18-8-2012		0531	M32	Russian Mil. "QQ4I QRJ NO QYT9 K"	CW	(IARUMS)
14108	19-8-2012		0806	M32	Russian Mil. "DT8X ZDI ZDF ZWM QYT6 K". "PYNW DE QQ4I QTC 179 16 19 1048 179 = 811 = (5FG) 179 RPT AL QLN K"	CW	(IARUMS)
14108	20-8-2012		0632	M32	Russian Mil. QQ4I clg: ZIWN, OSWG, XN5M	CW	(IARUMS)
14108	21-8-2012		0756	M32	Russian Mil. 5POY to JSL2 "ZSW ZGD ZGF QRR3 k". 5POY clg T4W3, MXSP, IQAQ, XDWC, JSK2, ODX4. "YJY8 DE 5POY ZSD ZGT ZSH ZPT ZSS ZKF QRR3 K"	CW	(IARUMS)
14108	22-8-2012		0618	M32	Russian Mil. "5POY 032 20 22 1004 032 = ZSU 928 = (5FG)". "IQAQ DE JSQQ ZWR ZCP ZPC QYT6 K". "Y1CQ QTC ZSU AR"	CW	(IARUMS)
14108	27-8-2012		0512	M32	Russian Mil. "MXSP DE 5POY QTC 175 20 27 0904 175 ZSF 161 (5FG) 117 RPT AL QLN K". 5POY clg T4W3, MXSP, IQAQ, XDWC, JSK2, YJY8, ODX4	CW	(IARUMS)
14108	28-8-2012		0815	M32	Russian Mil. 5POY clg JSK2 T4W3 MXSP XDWC YJY8 IQAQ. "ODX4 DE 5POY QTC 646 16 28 1048 646 670 (5FG) RPT AL QLN K"	CW	(IARUMS)
14108	30-8-2012		0642	M32	Russian Mil. 5POY clg MXSP, IQAQ, XDWC, JSK2, QJY8, ODX4	CW	(IARUMS)
14212	6-9-2012	Thu	1210	S06s	425	USB	(HFD)
14212	13-9-2012	Thu	1210	S06s	495 msg 00000	USB	(Q-HOL)
14212	20-9-2012	Thu	1210	S06s	425 908 6 87655 59229 96394 94894 32548 35035 908 6 00000	USB	(AB)
14212	27-9-2012	Thu	1210	S06s	425 ...	USB	(TSS)
14260	6-9-2012	Thu	0800	E17z	674-908/5=35862	USB	(HFD)
14260	6-9-2012	Thu	0800	E17z	674 908 5 31866 33823 41200 46641 32710 908 5 00000	USB	(Spec)
14260	13-9-2012	Thu	0800	E17z	674 908 5 31866 33823 41200 46641 32710 901 5 00000	AM	(AB)
14260	13-9-2012	Thu	0800	E17z	674 908 5 31866 33823 41200 46641 32710 908 5 00000	USB	(Spec)
14260	20-9-2012	Thu	0800	E17z	674 901 5 31353 56760 59797 42121 34308 901 5 00000	USB	(AB)
14260	20-9-2012	Thu	0800	E17z	674 901 5 31353 56760 59797 42121 34308 901 5 00000	AM	(AB)
14260	20-9-2012	Thu	0800	E17z	674 901 5 31353 16760 99797 42121 34308 901 5 00000	USB	(Spec)
14260	27-9-2012	Thu	0800	E17z	674 901 5 31353 56760 59797 42121 34308 901 5 00000	USB	(AB)
14260	27-9-2012	Thu	0800	E17z	674 901 5 31353 16760 99797 42121 34308 901 5 00000	USB	(Spec)
14372	3-9-2012	MON	1300	M12	344 1 821 127 77798	CW	(FN)
14372	10-9-2012	MON	1300	M12	344 1 141 133 52093	CW	(FN)
14372	10-9-2012	Mon	1300	M12	344 1	CW	(HFD)
14372	24-9-2012	MON	1300	M12	344 1 140 195 24645	CW	(FN)
14386	8-9-2012	Sat	1100	M42	Russian Intel.	FSK 200/1000	(FMB)
14386	9-9-2012	Sun	1100	M42	Russian Intel.	FSK 200/1000	(FMB)
14440	8-9-2012	Sat	0702	M32	2UZ7: Russian military "IGLM DE 2UZ7 ZRQ ZUO ZKK QYT6"	CW	(PPA)
14440	9-9-2012	Sun	1217	M32	Russian Mil. "mgx3 mgx3 mgx3 de 2uz7 2uz7 qta 247 k. krao krao de 2uz7 2uz7 qta 247 k	CW	(Q-HOL)
14505	5-9-2012	Wed	1010	S06s	729	USB	(HFD)
14505	5-9-2012	Wed	1010	S06s	729 816 5 67438 23990 78921 78960 34250 816 5 00000	USB	(Spec)
14505	12-9-2012	Wed	1010	S06s	624 msg	USB	(Q-HOL)
14505	12-9-2012	Wed	1010	S06s	729 816 5 67438 23990 78921 78960 34250 816 5 00000	USB	(Spec)
14505	19-9-2012	Wed	1010	S06s	729 461 5 66479 59017 80729 45123 36551 461 5 00000	USB	(Spec)
14505	26-9-2012	Wed	1010	S06s	729 461 5 66479 59017 80729 45123 36551 461 5 00000	USB	(Spec)
14575	4-9-2012	Tue	0745	E11	335/00	USB	(HFD)
14575	20-9-2012	Thu	0745	E11	335/00	USB	(AB)
14580	13-9-2012	Thu	1235	M42	Msg on link 50750. Header 11100 50750 12345 13634 01009	Baudot 50/500	(EBr)
14582	9-9-2012	Sun	1000	M42	Russian diplo calling IAD. Headers 11100 50750 68594 09629 01509	Baudot 50/500	(EW)
14706	9-9-2012	Sun	0800	M42	Russian Intel.	FSK 200/1000	(FMB)
14830	6-9-2012	Thu	0600	E06	354	AM	(HFD)
15721	10-9-2012	Mon	0400	S06	Russian language numbers station	AM	(Token)
15721	17-9-2012	Mon	0400	S06	in progress ... 86785 68695 53919 18869 65146 66015 51991 86023 82061 367 52 00000	AM	(Avare)
15845	8-9-2012	Sat	1213	M42	Russian Gov/Intel.	Baudot 200/50	(FMB)
15845	9-9-2012	Sun	1210	M42	Russian Intel.	FSK 200/1000	(FMB)

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15868	8-9-2012	Sat	0910	M42	Russian Intel.	FSK 200/1000	(FMB)
15868	9-9-2012	Sun	0910	M42	Russian Intel.	FSK 200/1000	(FMB)
15915	10-9-2012	Mon	1540	E11	228/00	USB	(HFD)
15915	12-9-2012	Wed	1155	E11	718/00	USB	(HFD)
15915	16-9-2012	Sun	1540	E11	226/00	USB	(Q-HOL)
15915	20-9-2012	Thu	1155	E11a	710/37 Attention 18844 62046 43054 ... 15774 88748 Attention, msg rptd, out	USB	(AB)
15915	30-9-2012	Sun	1540	E11	228/00	USB	(PanDR)
15926	2-9-2012	SUN	1830	M12	991 1 453 219 95566	CW	(FN)
15926	5-9-2012	WED	1830	M12	991 1 959 177 46387	CW	(FN)
15926	9-9-2012	SUN	1830	M12	991 1 959 177 46387	CW	(FN)
15926	12-9-2012	WED	1830	M12	991 1 181 109 69759	CW	(FN)
15926	12-9-2012	Wed	1830	M12	991 1	CW	(HFD)
15926	16-9-2012	SUN	1830	M12	991 1 181 109 69759	CW	(FN)
15926	19-9-2012	WED	1830	M12	991 000	CW	(FN)
15926	23-9-2012	SUN	1830	M12	991 000	CW	(FN)
15926	26-9-2012	WED	1830	M12	991 1 615 203 71453	CW	(FN)
15926	30-9-2012	SUN	1830	M12	991 1 615 203 71453	CW	(FN)
16089	25-9-2012	Tue	0640	M42	Russian Gov/Intel.	RUS-ARQ 100/1000	(BCI)
16110.8	14-9-2012	Fri	1226	M32b	Russian Navy in progress ..YJ 3946 6799 K	CW	(LG2)
16112	3-9-2012	Mon	1015	S11a	475/00	USB	(HFD)
16112	14-9-2012	Fri	1032	M32	Russian Strategic Operational Command. RDL 2T711 72423 2T71 72423 2TG 11 72423 K	CW	(LG2)
16112	16-9-2012	Sun	1239	M32	Russian Strategic Operational Command. XXX RGT77 RGT77 84868 19450 IEG HELXE 7106 8324 K	CW	(LG2)
16112	16-9-2012	Sun	1240	M32	Russian Strategic Operational Command. U U XXX XXX WEGI WEGI 34358 62525 BEL EM982 7478 K	CW	(LG2)
16112	16-9-2012	Sun	1241	M32	Russian Strategic Operational Command. XXX XXX WEGI WEGI 34358 62525 BEL 1982 7478 K	CW	(LG2)
16112	16-9-2012	Sun	1253	M32	Russian Strategic Operational Command. XXX XXX in cw followed by encrypted messages	CW	(LG2)
16112	16-9-2012	Sun	1312	M32	Russian Strategic Operational Command. XX XXX RDL RDL 66758 03456 GILI- 1742 1368 K	CW	(LG2)
16112	18-9-2012	Tue	1055	M32	Russian Mil.	CW	(LG2)
16161.7	26-9-2012	Wed	1509	EGY	Egyptian diplo.	Sitor-A	(ML4)
16321	18-9-2012	Tue	0155	M42	Russian Intel, Moscow	FSK 200bd/1000 ACF=288	(MCO)
16329.7	5-9-2012	Wed	1739	EGY	several hex crypto message from "71" Military Attache, MFA Cairo to Embassy Washington	SITOR-B 100bd/170/i	(MCO)
16331.7	11-9-2012	Tue	0938	MX	beacon "D"	CW	(Q-HOL)
16331.8	14-9-2012	Fri	0833	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
16332	11-9-2012	Tue	0936	MX	beacon "C"	CW	(Q-HOL)
16332.2	15-9-2012	Sat	0923	MX	Beacon "F"	CW	(AB-HK)
16332.3	15-9-2012	Sat	0923	MX	Beacon "K"	CW	(AB-HK)
16498	16-9-2012	Sun	1955	MX	Beacon C: Moscow 1955 CW 16/09/12 (LG)	CW	(LG2)
17431	8-9-2012	Sat	0904	M42	Russian Intel.	FSK 200/1000	(FMB)
17431	9-9-2012	Sun	0900	M42	Russian Intel.	FSK 200/1000	(FMB)
17454	6-9-2012	Thu	0658	M32	CIS Mil. PECM clg WINK	CW	(BCI)
17700	29-9-2012	Sat	0615	EV01	Weak.	USB	(PanDR)
17700	29-9-2012	Sat	0700	EV01	Weak.	USB	(PanDR)
17700	30-9-2012	Sun	0700	EV01	Weak.	USB	(PanDR)
18041	10-9-2012	Mon	0503	M14	calling 952	CW	(Token)
19119	24-9-2012	Mon	1133	M42	Russian Gov/Intel.	FSK 50/500 ACF=64/128	(MCO)
19878.5	21-9-2012	Fri	1740	M42	Russian Diplomatic Service	Crowd-36	(LG2)
19909	4-9-2012	Tue	0831	EGY	Egyptian diplo	Codan	(BCI)

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19910.7	4-9-2012	Tue	0837	EGY	Egyptian diplo	Sitor-A 100/170	(BCI)
20047.7	11-9-2012	Tue	0945	MX	beacon "D"	CW	(Q-HOL)
20047.7	11-9-2012	Tue	1328	MX	Beacon D: Odessa/Sevastopol	CW	(LG2)
20047.7	23-9-2012	Sun	0959	MX	beacon "D"	CW	(Q-HOL)
20047.9	11-9-2012	Tue	0945	MX	beacon "S"	CW	(Q-HOL)
20047.9	11-9-2012	Tue	0945	MX	beacon "C"	CW	(Q-HOL)
20047.9	13-9-2012	Thu	1328	MX	Russian Navy Beacon S Archangel	CW	(LG2)
20048	11-9-2012	Tue	1328	MX	Beacon C: Moscow	CW	(LG2)
20048	23-9-2012	Sun	0958	MX	beacon "C"	CW	(Q-HOL)
20178.7	26-9-2012	Wed	1046	EGY	MFA Cairo calling "KKVE" (Embassy Bamako)	Sitor-A 100bd/170/i	(MCO)
20225	28-9-2012	Fri	1355	EGY	calling "99901". MFA Cairo calling ?33316? Embassy Tunis	80bd Codan Chirp	(MCO)
20760	25-9-2012	Tue	0810	M42	Russian Gov/Intel.	RUS-ARQ 100/1000	(BCI)
21438	4-8-2012		0722	M32a	Russian Navy: RCV	CW	(IARUMS)
21438	8-8-2012		1441	M32a	Russian Navy. RCV msg to RIP90	CW	(IARUMS)
21438	11-8-2012		0740	M32	Russian Navy. "RGX94 DE RCV QTC 842 24 11 0422 842 = NA- WAREA 034 321 KARTY etc"	CW	(IARUMS)

CONTRIBUTORS

AB	Ary Boender, Netherlands	LG2	Les G, UK
AB-EST	Ary Boender via remote rx Estonia	MCO	Mike Chace-Ortiz, PA, USA
AB-HK	Ary Boender via remote rx Hong Kong	MG	Manolis, Greece
AnEur	Anonymous Europe	ML4	Michel Lacroix, France
AnRus	Anonymous, Russia	MOR	Mauro, North Italy
AtB	Attu Bosch, AK, USA	MPJ	Jim, SW England
Avare	Avare	N2UHC	N2UHC
BCA	Brandon Longo, CA, USA	PA	Paul Armani, USA
BCA-HOL	Brandon Longo, via remote rx The Netherlands	PanDR	PanDR48, Sweden
BCI	Bruno Casula, Italy	PPA	Peter Poelstra, Netherlands
CK	Costas, Southern Europe	Q-HK	Chief via remote rx in Hong Kong
Dan	Daniel, Argentina	Q-HOL	Chief via remote rx in The Netherlands
Danix	Danix111, Poland	Q-I	Chief, North Italy
EBr	Eric Bronner, France	Q-USA	Chief via remote rx in USA
EW	Eddy Waters, Australia	RSRu	via Radioscanner Russia
FG	Fanis, Greece	scsw	ScanSweden, Sweden
FMB	FMB, Germany	Spec	The Spectre 3000, UK
FN	Fritz Nusser, Switzerland	SSh	Sasha Shmel, Russia
GHn	Gary Hagermann, UK	Timeok	Timeok via Radioscanner.ru
GK	Gary Knight, USA	tING	Thomas, Central Europe
IARUMS	IARU Monitoring Service	Token	T!, CA, USA
JPL-HK	JPL via GlobalTuners Hong Kong	Tom	Tom, Lincs, UK
JV	John Volpato, USA	TR2	Tony Roper, UK
KC2TTK	KC2TTK, NY, USA	WP3	Wolfgang Palmberger

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

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Website: <http://www.udxf.nl>

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Go to the web interface <http://mailman.gth.net/mailman/listinfo/spooks> to subscribe. Fill in the form and follow the instructions that will be mailed to you.