

678	27364	92836	89428	61288	74982	36498	32764	81276	81
986	48932	78987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	76
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	59
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
657	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
41	32787	58765	76587	58765	76587	58765	76587	58756	765
	75454	36543	54365	36543	54365	36543	54365	36543	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #169, October 2011

Editor: Ary Boender email: ary@luna.nl

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

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

<http://www.ary.luna.nl>

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

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

Via UDXF we received a note from Ian in which he announced a new update of his software decoder "Rivet". The software is written in Java so should run on a Windows , Linux or Apple PC and can be downloaded from <https://github.com/lanWraith/Rivet/downloads>. So far the program decodes XPA , XPA2 and CROWD36 (partially). See also the XP section. I have included a message that Ian has decoded with Rivet. Thanks for the software for your e-mail, Ian.

The program will decode both from a sound card or from a WAV file. If you need some sample WAV files to test it on you can get some from my webpage <http://borg.shef.ac.uk/rivet/>. The decoder calibrates itself and doesn't need adjusting. But when decoding XPA or XPA2 it must "see" the transmissions high and low states that precede the main message. Likewise it must detect the CROWD36 synchronization sequence before it can decode anything else. Note you download a single .JAR file which should just run if you have Oracle Java installed. If you haven't got it then it can be downloaded for free from <http://java.com/>

Rivet is open source software licensed under the GPL so the source code is freely available in both the JAR file and on the projects Github page here <https://github.com/lanWraith/Rivet>

Further news:

I have updated the Chinese stations and M89 profiles. See the Profiles page on www.numbersoddities.nl

Log books found on the Povarovo site were uploaded to the internet. Interesting stuff. See our S28 section for more information.

The SF storyteller that mentioned callsigns UVB76 and MDZhB last month keeps using numbers related items in his stories. Check <http://www.fanfiction.net/s/7383651/4/> for details.

New designators:

1. Further analyses of stations VC03, VC04 reveal that both are in fact one and the same station. As a result of this VC04 has been deleted.
2. New is designator MVC03, which is assigned to the Morse sister of VC03.
3. Also new is VC05, the station that appeared on 5449 kHz last month and in October on 6326 kHz.
4. S28's sister that transmits on 5426 kHz received a temporary designator: S5426.

As per this edition of Numbers & Oddities, M32 and associated stations will be included in the Logs Section and special messages etc. will be included in the Morse section.

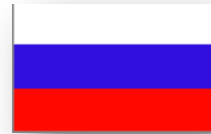
On 22-10 this news appeared in RIA Novostni and other media. The spies were arrested on the 18th. According to Der Spiegel, the raid was at 0630 local time = 0430 UTC. Der Spiegel states that the receiver was hooked to the PC (a decoder?).

Special Forces in Germany have detained an alleged Russian husband-wife spy team in the cities of Marburg and Balingen, Deutsche Welle reported on Saturday. The married couple, who have not been named by authorities, are suspected of working for the Russian Foreign Intelligence Service (SVR). The married couple, who according to their documents are from Latin America but have Austrian passports, has denied the accusations, Deutsche Welle said. According to the news agency, the woman was detained when she was "receiving a coded radio message."

I wonder if they also read N&O ☺

VOICE STATIONS

E06



E06, 5197 kHz, 2130 UTC, 21-10

634 728 15
13878 92431 08432 78321 24568
03219 43872 46821 92843 08431
38724 95317 46523 80794 57326
00000

E06, 5186 kHz, 2030 UTC, 06+20-10

891 246 15
08921 13479 53276 14208 43152
78569 04721 43189 48720 19438
53764 92783 14280 43871 43729
246 15 00000

E06, 6797 kHz, 0030/0130 UTC, 08+9-10:

759 486 31
73698 59990 24994 02032 93843
43542 57973 48391 59807 78478
29610 48302 52650 32468 65144
37407 72824 93987 12992 62937
57240 26369 58727 72375 16342
21942 39559 04569 83391 17212
63973
486 31 00000

E06, 6797/5132 kHz, 0030/0130 UTC, 22+23-10

759 210 34
50213 76370 56418 34231 92560
62380 86648 30328 17981 15248
85181 20834 93985 84025 29777
32023 14318 24323 07934 23627
63843 66490 76549 80893 47589
04600 25589 26671 19900 85916
44190 45685 74603 05548
210 34 00000

E06, 6797/5122 kHz, 0030/0130 UTC, 01+02-10

759 261 30
17725 63707 50885 39930 10036
05490 35052 07648 36055 37882
34190 17637 99600 34058 59555
28115 76398 70862 61459 96080
53673 70528 56605 07760 51091
49129 89115 77490 83983 76468
261 30 00000

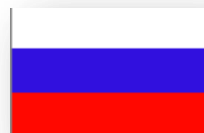
E06, 5197 kHz, 2130 UTC, 07+21-10

634 728 15
13878 92431 08432 78321 24568
03219 43872 46821 92843 08431
38724 95317 46523 80794 57326
728 15 00000

E06, 6797/5122 kHz, 0030/0130 UTC, 15+16-10

759 620 31
05891 38747 36971 00608 87737
55794 73923 31803 12351 29352
42887 50790 69330 18595 11421
80751 83328 79088 56801 30106
89135 92676 62087 45049 99282
76539 72578 22461 18902 31757
48966
620 31 00000

E07



E07, 7516/5836/4497 kHz,
2010/2030/2050 UTC, 06-10

584 1 507 44
73076 84453 06622 35404 85689
19127 10528 79375 25249 28836
52550 47114 21361 30347 96219
83187 77105 67604 56924 91689
81954 88031 80429 50674 19370
32758 80704 34565 19669 56771
75854 95369 78264 46909 09573
27560 29479 02659 40285 81521
79167 63055 12272 55585
000 000

E07, 10243/9243/7943 kHz,
1900/1920/1940 UTC, 10, 12, 17-10

229 1 422 34
77553 22568 43896 04693 55422
22028 82348 81203 76530 79418
99520 05472 48737 95075 77665
07748 43246 40938 53108 64026
53329 38498 27369 50583 01839
51089 42484 86982 19117 43891
91572 09672 06593 76338
000 000

E07a, 5864/5164/4564 kHz,
2000/2020/2040 UTC, 05+26-10

815 1 65552 750 85
42255 31806 63499 88413 91000
50751 46878 82998 98929 86780
94594 29265 32986 20313 76926
88224 79056 19789 38069 00275
53469 17133 29018 25210 93141
31654 37027 16225 42965 59326
02464 27625 96747 88386 61357
71433 38552 59178 55681 63069
32404 46147 13530 64054 07683
38751 34935 91175 21154 07005
33120 28322 01058 26632 35596
49999 47738 17020 12794 67854
20031 35608 48926 93662 81761
28229 46215 78476 94857 48583
39443 45261 51430 35660 86979
62473 14236 31701 01086 77645
53283 25172 35218 68488 49167
000 000

10243 kHz, 1900 UTC, 31-10: 229 229 229 000
9243 kHz, 1920 UTC, 31-10: 229 229 229 000

E11



E11a, 13375 kHz, 1400 UTC, 25-10:

987/10
Attention
85454 22210 21816 74902 42328
90579 15808 62721 03688 37678
out

Copied by Danix who writes "This schedule is active on Tuesdays and Saturdays. I wonder what could be purpose of such short messages. Only 10 group messages heard on that schedule."

E11, 10221 kHz, 0710 UTC, 21-10

639/38
Attention
03281 40650 39516 36017 24052
53659 59567 09426 07945 90518
49813 87852 98925 10911 09740
04494 51640 05532 52397 35493
63294 74165 65442 61563 62984
94768 36906 17935 55722 87407
30656 85582 01477 57120 92585
85705 85618 36911
Repeats message
Out

E11a, 7449 kHz, 1045 UTC, 05-10

469/38

Attention

63692 59397 44083 34122 16678
63268 45470 61231 40842 85091
36662 23894 40615 95081 91896
96793 69772 55630 96390 79662
25700 32888 98911 37128 79097
11322 18311 68449 91310 36897
25604 49108 40854 14222 34679
25672 91507 41377

Out

E11a, 10690 kHz, 0830 UTC, 20-10

644/35

Attention

73460 57740 59390 55285 88317
42002 70791 72684 36839 48422
94367 19847 87577 80831 73331
09758 15983 20457 67638 63350
93785 68091 39206 15048 48480
13690 14212 25705 79866 70224
46253 76721 87905 55415 42749

Out

9371 kHz, 1730 UTC, 20-10: 416/00

9371 kHz, 1730 UTC, 19-10: 416/00

9371 kHz, 1730 UTC, 27-10: 416/00

4909 kHz, 1445 UTC, 01-10: 267/00

4909 kHz, 1445 UTC, 08-10: 267/00

5737 kHz, 1240 UTC, 25-10: 349/00

E11a, 4909 kHz, 0900 UTC, 29-10

243/34

Attention

00135 35942 22004 72264 33143
20701 38589 13758 06072 31399
52353 89390 56647 12898 74721
38841 53651 71206 29409 26825
75391 40056 44237 03283 28923
21457 79346 07761 18148 39231
20447 91610 30127 58289

out

E11a, 9399 kHz, 0900 UTC, 03-10

535/37

Attention

61832 76220 10750 81658 88270
36273 40977 49648 00745 68066
18578 86639 58883 98510 50796
33718 76761 07675 15522 94942
93646 26565 67286 84213 73043
92836 42597 29675 15522 94942
63848 35152 18293 27758 71660
15836 07751

Out

E11a, 6433 kHz, 1050 UTC, 16-10

128/33

Attention

39266 83855 65230 72067 66256
28938 98338 59283 42359 04482
74826 41409 38504 11472 65441
16020 53268 92194 26950 76691
84168 00684 75190 39786 35002
54745 21935 81067 53490 18352
91128 55102 60210

Out

E11a, 13375 kHz, 1400 UTC, 29-10

983/10

Attention

62002 81536 66865 36477 14068
48903 34009 15986 73539 09485

Out

E11a, 4909 kHz, 1445 UTC, 29-10

280/38

Attention

48129 76718 28343 69838 98504
39356 52865 87285 07011 06855
89017 43235 86504 13151 51511
51546 64436 62542 96348 22725
02988 89170 65189 82133 50075
38427 42547 16275 62527 37453
46371 52923 79676 00669 69558
10873 86392 09058

out

G11



G11, 5815 kHz, 1755 UTC, 18-10: 270/00

G11, 6433 kHz, 2000 UTC, 21-10: 262/00

G11, 5815 kHz, 1755 UTC, 25-10: 270/00

G11, 5815 kHz, 1325 UTC, 29-10: 299/00

G11, 6433 kHz, 2000 UTC, 30-10: 262/00

G11, 5815 kHz, 1325 UTC, 21-10

G11, 5815 kHz, 1325 UTC, 22-10

299/35

Achtung

55305 54463 27437 98096 39082

37342 77959 98767 87980 99103

70844 32126 96637 62162 95766

90986 43116 41023 34052 20278

51022 50650 63252 86520 58464

85570 64927 51939 90280 09397

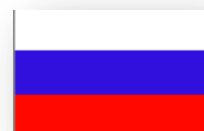
83757 83024 48686 57472 71495

Achtung

Repeats message

Ende

S06



S06, 7612 kHz, 1605 UTC, 08+22-10

134 562 38

85852 81944 00901 40626 26945

76256 08010 94021 70144 30556

49932 50311 98742 32157 72402

76483 29667 00639 01646 75785

18893 55025 44812 02402 71963

01163 48137 48495 30422 46028

54109 79315 94600 80789 66891

07427 50586 07782

562 38 00000

S06, 12140 kHz, 0930 UTC, 21-10

S06, 13515 kHz, 0940 UTC, 21-10

516 516 516

480 7

91827 35463 09182 67893 45673 20091 67110

480 7 00000

S06, 6783 kHz, 1820 UTC, 12-10: 632 632 632 00000

S06, 5784 kHz, 1900 UTC, 17-10: 349 349 349 00000

S06, 5784 kHz, 1900 UTC, 31-10: 349 349 349 00000

S06, 9220 kHz, 1900 UTC, 12-10

371 904 5

75151 25504 53328 61265 63676

904 5

00000

S06, 7760 kHz, 2115 UTC, 10-10:

621 485 92

86476 36138 16190 17538 64481 02597 76252 50225

23045 65573 84429 64923 32230 25307 48615 24797

74214 13610 10108 13128 01264 63004 64057 84731

79393 61294 86315 30116 85267 89367 60901 71541

52323 24649 16192 50962 71154 33714 81999 97883

55679 70177 26455 26084 63521 72533 81924 64751

65261 49077 53360 13256 75464 52265 67392 20894

12590 63336 18497 01083 05380 84738 89070 73736

05316 03491 91237 26913 50907 10240 74735 90972

16426 93491 60934 40423 42981 56314 90009 07772

50736 75912 03524 96410 84051 22198 18956 30410

31475 14404 25317 03431

485 92 00000

S11



S11a, 4909 kHz, 1355 UTC, 03-10

S11a, 7317 kHz, 0915 UTC, 21-10: 484/00

254/32

S11a, 9960 kHz, 1020 UTC, 21-10: 426/00

vnimanie

S11a, 5815 kHz, 1020 UTC, 29-10: 221/00 konec

57935 79409 34342 10119 25654

33324 96751 59825 35760 19773

67037 09748 10317 63435 64621

97310 74548 11163 01398 96576

73076 71757 31919 32936 34310

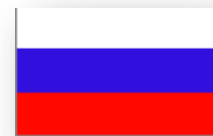
42560 90142 53474 85320 66521

17682 98014

konec

S28 family

The Buzzer / UVB-76 / MDZhB



Only a few S28 logs this time. I have not recorded or checked the period 10-20 October

05-10	1132	94ZhT 78 663 Noksiron 49 85 41 36 Vyemochnyi 33 51 58 30
06-10	0840	Male voice. MDZhB 73 031 Diapauza 1620 1596 MDZhB 73 031 Diapauza 1620 70 sboř sboř sboř (repeats wrong figures and starts again) MDZhB 73 031 Diapauza 1620 1596
06-10	1015	Male voice. MDZhB 00 132 Chianuri 11 00 82 91
22-10	0703	Male voice. MDZhB 67 968 Ozora 75 27 06 98
26-10	1203	Male voice. Unreadable message
	1330	Male voice. MDZhB Unreadable message
The following transmissions are probably not S28 but another Russian military station.		
1537		Test tones on top of the buzzer
1540		Male voice. Test count in Russian 1234567890 on top of the buzzer
1546		Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer
1624		Digital mode on top of the buzzer
1626		Test tone on top of the buzzer
1638		Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer
1642		Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer. This time read as adinka dvoyka troyka etc.
31-10	1332	MDZhB 07 034 Vzvoz 82 28 11 56

S5426

After S30, S32, S6930 another sister station of The Buzzer has been noted on 5426 kHz. It transmitted a message at 1455 UTC on 17 October.

Финара-55, Финара-55, я Арбат-50. 37 554 РУДАКОП 22 87 61 02. Я Арбат-50. Приём!
Finara-55, Finara-55, Ya Arbat-50. 37 554 RUDAKOP 22 87 61 02. Ya Arbat-50. Priyom!

The (partial) recording and transcript come from Gwraspe

<http://priyom.org/media/37068/unid-5426usb-20111017-1455z-msg-bygwraspe.ogg>

Thanks to Trojan for his help.

S6930

A very active sister of S28. I mentioned the station in September. This month again a large number of logs in the Logs Section.

When writing the above I suddenly remembered that I reported other "Katok" frequencies years ago. In October 2001 to be precise. Traffic consisted primarily of radio checks every two hours. An occasional encrypted message of 5LGs was sent. I don't know if the frequencies are still active. I couldn't find anything in the past weeks.

Callsigns:

Katok-17, Katok-22, Katok-25, Katok-44, Katok-46, Katok-55, Katok-74, Katok-77, Katok-80, Katok-86, Katok-93, Katok-94, Katok-100, Malen'kiy, Bol'shoy

Frequencies:

2650 kHz (Night), 5855 kHz (Day)

Another related net operated on 4517 and 5794 kHz with the same sort of messages.

Example: "54828 SVINTETS 0064 0392" or "11233 BRONYA 2207 7720".

Callsigns:

LAZAK-24, VIRAS-11, UROZHAY-24, EFIR-12

The buzzer was featured in Russia-2's program "Pyatnica". The video was posted to YouTube by Trojan.

<http://www.youtube.com/watch?v=VpbyrkbgdtY>

RadioKoteg at Radioscanner.ru registered many stoppages on 27-10 at 1015-1021, 1141-1143, 1219-1221, 1334-1335, 1344, 1428, 1626, 1637-1638, 1641-1642, 1643, 1644, 1646, 1649, 1650, 1655 hours Moscow time. At these times only the channel marker (buzzer) was disrupted. The carrier wave was on the air. People at Radioscanner speculate that the carrier wave and the USB signal possibly are emitted by two transmitters from different locations. In St. Petersburg and Tallinn the USB signal has a higher level than the carrier, while in Moscow the carrier is strong, but the USB is almost inaudible.

"Apparatnyj zhurnal" (equipment operations log)

On October 10th we were pleasantly surprised when bydunai from Moscow posted a logbook of 2005 to Radioscanner.ru. He wrote that the logbook was found on the abandoned Povarovo site. Shortly after that a second logbook appeared online.

You can find the first one at <http://ifolder.ru/26243630>

And the second one at <http://ifolder.ru/26299903> <http://ifolder.ru/26301974>
<http://ifolder.ru/26302103> <http://ifolder.ru/26302214> Password: 595

Another interesting Russian military document can be found on <http://ifolder.ru/26346100>. It is called RESUS-92 or in Russian ПЭСУС-92. The title of the document is "Definition and classification of the stationary communications nodes" (of the Russian military forces). According to a native Russian speaker the document is very long, theoretical and complicated ☺

As my Russian is very bad, Jan Machalski was so kind to check the books for interesting facts and found information about antennas, transmitters and maintenance schedules, tests and transmissions. 17 transmitters and 26 antennas are mentioned in the logbook dated Oct-Dec 2005.

Transmitters: Nr. 108, 161, 162, 163, 164, 165, 166, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189

Antennas: Nr. 114, 115, 116, 118, 120, 123, 124, 125, 128, 129, 130, 132, 180, 181, 182, 183, 185, 186, 187, 188, 189, 190, 191, 192, 194, 195

[illegible]

As you can see on the scanned page below, the logbook consists of the following columns: Callsign [of the content provider], radio emission mode, frequency (kHz), transmitter number, antenna number, ordered time of the transmission start (MSK), factual time of the transmission start (MSK), factual time of the transmission end (MSK), second name of the person ordering the transmission, second name of the person on duty at the transmitting center.

Below a sample of one of the pages of the logbook. Page 4:

Callsign: Iskra
Mode: AM
Frequency: 4625
Tx number: 164

Ant number: 186
Ordered start time: 1050
Factual start time: 1050
Factual end time: 2400

Name: Afonin
Name: Moskvilina

The content to be transmitted on 4625 kHz was received from "Iskra" and was emitted via the transmitter Nr. 164 and antenna Nr. 186. No replacement at 1000-1050 MSK during the daily maintenances, possibly other radio center was activated at that time. Iskra was (1) the communications hub ordering the transmission via Povarovo or (2) the HQ of the former Moscow military district ordering the transmission via Povarovo.

The second daily ordering time of the 4625 kHz channel (radio network Nr 43) was between 00:00 and 10:00 MSK. No replacement transmitter at 10:00-10:50, other station operated at that time. When the 164th transmitter was put on monthly technical maintenance (TO-1), it was replaced with the transmitter Nr 166, operating in the USB mode + 70% carrier.

30 ОКТ 2002									
Звонили	ББ	4411	186	189	09.46	09.48	10.52	Афонин	Терехин
10.00 -	Тер-к	N 164	вышли	для	приведения	в	с	Терехин	
10.50	Звонили	731	от	1-й					
09.30	По	наряду	N 912	для	выполнения	ТО-1	на		
	пер-к	N 151	сб	сменили	напряжением	документа			
	бригада								
	Намечено	дальнейшее	N 61						
	документации:	Звонили	731	от	1-й			Терехин	
	Продолжение	работы:						Терехин	
10.41	Тер-к	N 166	вышли	с	р/с	31	д/м	Афонин	Терехин
	Звонили	731	от	1-й					
Искра	АМ	4625	164	116	10.50	10.50	2400	Афонин	Москвилева
Звонили	ББ	6821	186	189	09.52	09.53	11.24	Афонин	Москвилева
10.55	Тер-к	N 166	поискали	ф.р	работы	в			
	р/с	115							
	Звонили	731	от	1-й				Терехин	
от	4454	166	115	10.55	10.56	10.56	Терехин	Терехин	
11.00	По	наряду	N 913	для	выполнения	ТО-1	на		
	пер-к	N 161	сб	сменили	напряжением	документа			
	бригада								
	Намечено	дальнейшее	N 4						
	документации:	Звонили	731	от	1-й			Терехин	
	Продолжение	работы:						Терехин	
11.00	Продолжение	работы	от	ТБ, ПБ, ПС	в	отделе	1	оценки	
	команды	Звонили	731	от	1-й			Терехин	
	Продолжение	работы:						Москвилева	
Звонили	ББ	4195	186	189	11.24	11.26	11.31	Афонин	Терехин
Звонили	ББ	6470	186	189	11.31	11.32	11.11	Афонин	Терехин
12.00	Продолжение	работы	по	рабочей	составности	охраны			
	составности	Звонили	731	от	1-й			Терехин	
13.00	Звонили	731	от	1-й					
13.00	Свое	техническое	Звонили	731	от	1-й			
Афонин	АМ	7729	184	187	13.06	13.08	14.28	Афонин	Москвилева
Юмилер	АМ	7725	424	184	190	13.06	13.08	15.36	Терехин
от	1454	183	183	13.50	13.52	14.00	реу.	Терехин	
от	1205	166	115	13.55	13.57	13.57	пер		
15.00	Продолжение	работы	по	рабочей	составности	охраны			
	составности	Звонили	731	от	1-й			Терехин	

Also a big THANK YOU to Trojan who translated the following two pages:

ГРАФИК ПЕРЕСТРОЙКИ ПЕРЕДАТЧИКОВ
с 01.11.02 г.

ппп.21/2-02г.

с 01.11.02г.									
№ пер-ка	№ ант.	№ р/с	Частота	Время	№ пер-ка	№ ант.	№ р/с	Частота	Время
161	115	31	7967	05.00	161	115	31	7967	13.30
163	114	29	7789	06.30	163	114	29	5376	14.30
161	115	31	12707	06.30	161	115	31	6220	15.00
162	185	606	7050	09.45	184	182	1	3354	17.30
188	192	20	7859	09.00	188	192	20	3217	17.30
184	182	1	7969	09.00	162	185	606	3551	17.30
108	194	48y	47432	основная					
ВАРИАНТ Р 27/2									
181	120	602	10268	07.50	181	120	602	6338	16.00
182	125	605	6222	09.25	182	125	605	3333	17.00
ВАРИАНТ Р 27/4									
165	118	601	9208	05.00	165	118	601	6242	15.50
165	118	601	13568	07.10					
ВАРИАНТ Р - 17									
166	189	51	7679	08.50	166	189	51	3701	17.45
ВАРИАНТ Р 17/0, 17/2									
109 чт-250	195	625	27590	06.20	109	195	625	24955	21.00

TRANSMITTERS' RETUNING SCHEDULE
Since 01 Nov 2002

Transmitter No.	Antenna No.	Aerial sytem No.	Frequency	Time	Transmitter No.	Antenna No.	Aerial system No.	Frequency	Time
161	115	31	7967	05.00	161	115	31	7967	13.30
163	114	29	7789	06.30	163	114	29	5376	14.30
161	115	31	12707	06.30	161	115	31	6220	15.00
162	185	606	7050	09.45	184	182	1	3354	17.30
188	192	20	7859	09.00	188	192	20	3217	17.30
184	182	1	7969	09.00	162	185	606	3551	17.30
108	194	48y	47432	main					
VARIANT P 27/2									
181	120	602	10268	07.50	181	120	602	6338	16.00
182	152	605	6222	09.25	182	125	605	3333	17.00
VARIANT P 27/4									
165	118	601	9208	05.00	165	418	601	6242	15.50
165	118	601	13568	07.10					
VARIANT P-17									
166	189	51	7679	08.50	166	189	51	3701	17.45
VARIANT P 17/0, 17/2									
109 (чт can be abbreviation of Thursday)-250	195	625	27590	06.20	109	195	625	24955	21.00

15.10	Работы по наряду № 912 закончены. Бригада выведена, радиостанция снята. На пер-к подано питание. Допускающий НОР-731 [Signature] Терехин. Ответственный за работу: сл. РА [Signature] Гордуз						
15.15	Работы по наряду № 913 закончены. Бригада выведена, радиостанция снята. На пер-к подано питание. Допускающий НОР-731 [Signature] Терехин. Ответственный за работу: сл. РА [Signature] Бальков						
	КВ-9	15.45	15.45	15.47	зона Мотовилиха		
ам	14440	182	123	15.50	15.51	16.00	реж. —
ам	6779	163	114	15.55	15.56	15.56	пер. Терехин
Вазо	УТ-206484	186	189	15.57	15.58	16.14	Товарищ Терехин
ам	14092	165	118	16.10	16.10	16.20	реж. Мотовилиха
ам	4962	165	118	16.20	16.21	16.21	пер. —
ам	12705	182	123	16.20	16.21	16.20	реж. Терехин
ам	4963	166	114	16.25	16.26	16.27	пер. —
ам	6356	180	183	17.50	17.50	11.00	реж. —
ам	4009	110	113	18.00	18.01	18.01	пер. —
18.00	АТМ						
ам	12847	181	120	18.20	18.20	18.30	реж. Мотовилиха
ам	7038	181	120	18.30	18.32	18.32	пер. —
				18.44	18.45		зона —
Юпитер	УТ-205427	184	190	19.00	19.01	19.18	Терехин
19.00	Проверено проверка ан-рт и оборудования антенны, противопожарного исполнения помещений. t - 24°C. Замечаний нет. УНР-731 ин. 1-м [Signature] = Терехин =						
19.05	Проверено ВТО на КВ ан-ре сигнала. Динко "кор" замечаний нет. УНР-731 ин. 1-м [Signature] = Терехин =						
Юпитер	ам	3348	184	190	19.18	19.18	21.22 Товарищ Мотовилиха
	ам	4859	188	191	19.20	19.21	19.30 реж. Мотовилиха
	ам	7977	186	181	19.20	19.22	19.30 реж. —
				19.23	19.23	19	зона —
	ам	4471	185	182	19.25	19.27	19.27 пер. Терехин
	ам	4489	189	192	19.25	19.27	19.27 пер. Мотовилиха
	ам	4562	162	185	19.30	19.31	19.31 пер. Терехин

15.10 Work according to order #912 have finished. The brigade has taken out, the grounding has removed. The transmitter is energized.

Acceptor НОР1-731 (a code number?)
Teryohin
Foreperson сл. РА (?) Gorduz

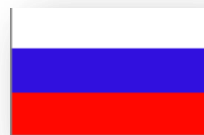
15.15 Works according to order #913 have finished. The brigade has taken out, the grounding has removed. The transmitter is energized.
Acceptor НОР1-731 (can be code number?)
Teryohin
Foreperson сл. РА (?) Balykov

A list of transmitter callsigns follows. Callsigns are: "Vaza", "Yupiter", transmitter modes (AT – CW), frequencies, numbers of transmitter and antennas, times of ordering the message from transmitter (?), surnames of the orderer and the recipient.

19.00 The equipment of department and the fire prevention of the room had been tested. t – 24 C. No remarks. НОР-731 Senior Lieutenant Teryohin

19.05 The daily maintenance of all equipment has been finished. Grade is "good". No remarks. (A list of transmitter callsigns follows.)

S30 – The Pip



Active on its usual day (5448 kHz) and night (3756 kHz) frequencies throughout the month.

Avare heard the following message on 3756 kHz, 26-10, 1713 UTC:

"Для ЫМА5 ВТХ3 АГДТ БУ1Б ОСОГ БО6Ц Ф56Ц 9ГСА ЖБЗУ 4РВЗ Как слышно? Как слышно? Приём"

"Dlya YMA5 VTKH3 AGDT 'U1B OSOG BO6TS F56SHCH 9GSA ZHBZU 4RVZ Kak slyshno ? Kak slyshno ? Priyom"

Or translated: "For YMA5 VTH3 AGDT U1B OSOG BO6TS F56SCH 9GSA ZHBZU 4RVZ How do you read? How do you read? Over"

S32 – Squeaky Wheel



Active on its usual day (5473.9 kHz) and night (3828.9 kHz) frequencies throughout the month.

V13 – New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái



Frequency from 1 April 2011 till 07 October 2011: 9725 kHz.

From 7 October till 27 October: 7580 kHz and per 27 October 13200 kHz.

Schedules at 0500, 0600, 1200, 1300 UTC.

VC01 – Chinese Robot

Chinese Air Defense network

Modes: USB and LSB .



The first UDXF log of the Chinese Robot was on 27-3-2000. We found the station since that date on the following frequencies: 3036, 3837, 4075, 4410, 4422, 4427, 4480, 4530, 5288, 5303, 5700, 5832, 6479, 6771, 6840, 6855, 6860, 6960, 7090, 7608, 7684, 7726, 7744, 7756, 7770, 7864, 7865, 7880, 7890, 7924, 8000, 8025, 9000, 9169, 9192, 9290, 9340, 10508 kHz.

Logs in October:

7890 kHz, 1026 UTC, 13-10
7890 kHz, 0520 UTC, 27-10
7890 kHz, 0722 UTC, 28-10
7890 kHz, 0620 UTC, 29-10
7890 kHz, 0723 UTC, 30-10
7890 kHz, 0710 UTC, 31-10

VC03 / VC04



Another Chinese numbers net. So far heard on 5421, 8073 and 17100 kHz.

Further analyses of stations VC03, VC04 reveal that both are in fact one and the same station. As a result of this VC04 is deleted.

The net transmit three figure groups. The transmissions are live. Sometimes you can hear more than one station following each other. So when one station stops the next one will start. It is not yet clear if they are actually working with each other.

Eddy found VC03 on 8073 kHz on several days in October. noticed that the station transmits in Morse and Voice. We assigned MVC03 to VC03's Morse sister.

Thanks to Kleanthis for helping me with the analyses and to Eddy for his logs and recordings. The recordings can be downloaded from the N&O website.

Frequency: 8073 kHz.

Modes: Voice (USB) and Morse

1030 UTC, 02-10, CW	Chinese station sending 3FGs in progress
1210 UTC, 02-10, USB	Chinese station sending 3FGs
1030 UTC, 07-10, CW	Chinese station sending 3FGs in progress. Ends 1031 UTC.
1202 UTC, 07-10, USB	Chinese station sending 3FGs. Ends at 1208 UTC
1132 UTC, 10-10, CW	Transmission ends at 1202 UTC. No voice message this time.
1132 UTC, 11-10, CW	Transmission ends at 1202 UTC
1202 UTC, 11-10, USB	Both VC03 and MVC03 were audible at the same time
1130-1230 UTC, 12-10.	No transmissions noted

VC05 – Chinese time stamp stations

Profile

First reported: August 2011
Mode: USB
Language: Chinese (Mandarin)
Frequencies: 5449, 6326 kHz
Time: 0900, 1000, 1100, 1300, 1500, 1700, 1900 UTC
Format: Female or male operator calling a four figure callsign for four minutes. At the end the actual time is mentioned. The time is given in Beijing time (UTC+8) followed by “wu shir, dzai hwei”, meaning “no business, out”. So when a transmission starts at 1300 UTC and the duration is 5 minutes, the time stamp will be 2105.

Remarks: This is no classical numbers station. This network possibly belongs to the military but it is also possible that it is a commercial or fishery network.

Transmissions consist of both recorded and live transmissions. Sometimes more than one operators can be heard during one time slot.

There are no voice transmissions at 1400 and 1600 UTC. An unid digital signal has been noted at these times. It is not known if that signal has anything to do with this net. The final voice transmission seems to be at 1500 UTC.

Last month we mentioned the unid “time stamp station” on 5449 kHz. N&O has now assigned designator VC05 to this station.

The station used 6326 kHz in October. We still have no further information about the users, though. Apparently it was also there in August. Thanks to westli for his logs and comments.

What kind of station this is is not clear. It is not a regular numbers station. It could be a military net or maybe even a commercial operation.

6326 kHz, 29-08: Chinese station. YL calling 3596

5449 kHz, 1300 UTC, 28-09: Chinese station. YL calling 4301

5449 kHz, 1500 UTC, 30-09: Chinese station. YL calling 4301

6326 kHz, 1300 UTC, 10-10: Chinese oddity station with YL repeating message

6326 kHz, 1305 UTC, 13-10: Chinese oddity

6326 kHz, 1302 UTC, 14-10: Chinese numbers station

6326 kHz, 1305 UTC, 15-10: Chinese numbers station

6326 kHz, 1302 UTC, 16-10: Chinese oddity station read by male voice.

6326 kHz, 0900 UTC, 17-10: Chinese oddity station. YL calling 7184

6326 kHz, 1000 UTC, 17-10: Chinese oddity station. Male calling 7184, but it was not repeated calls. It sounded like live calling with a push-to-talk mic. He got a reply back, but it was very weak.

6326 kHz, 1100 UTC, 17-10: A male operator passing repeated calls to 7184 just like the female was at 0900 UTC. Sounds like he was making a time-hack at the end, but it was cut off when my recording stopped.

6326 kHz, 1200 UTC, 17-10: 4751 and 7184 working. Only the calls were readable.

6326 kHz, 1300 UTC, 17-10: Instead of recorded calling, 7184 was called by a male op who had a pretty good signal. Another guy who wasn't as strong either sent 7184 the group 800 or was using 800 for a callsign.

6326 kHz, 1400 UTC, 17-10: Possible digital transmission (not sure if it is related)

6326 kHz, 1500 UTC, 17-10: Female calling 7184 like a recording.

6326 kHz, 1600 UTC, 17-10: Possible digital transmission (not sure if it is related). Voice transmissions seem to stop after 1500 UTC.

6326 kHz, 1100, 1300, 1500 UTC, 18-10: Female calling 7184.

6326 kHz, 1400, 1600 UTC: Possible digital transmissions.

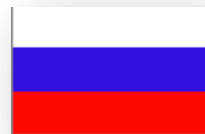
6326 kHz, 0900, 1100, 1300, 1500 UTC, 19-10: Female calling 7380

6326 kHz, 1400 UTC, 19-10: Sounded like a couple of male operators. One passed possible op-codes
7007 0005



MORSE STATIONS

MX - Russian Military beacons



Reported beacons and channel markers.

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

Note that "L" only transmitted on 7041.8 and 8497.8 kHz and recently also started on 5156.8 kHz.

Asian Cluster Beacons: F, K, M

Channel markers:

V - 3658, 5342, 6809 kHz

M01



M01, 5020 kHz, 2000 UTC, 06-10 :

463 873 30 =
73913 41050 63310 25017 85068
83202 26528 36191 17301 94905
85404 76358 76436 73076 96330
05028 85029 49274 13145 74821
60491 74395 00886 76395 84155
61321 17097 17172 20681 55439
86914 30822
= 873 30 000

(Note 32 groups were sent instead of 30)

M01b, 4585 kHz, 2010 UTC, 07-10

582 618 38 =
68073 52249 78901 94062 78779
74440 52257 94339 46757 16580
63362 43548 31043 16474 50285
08289 67347 51668 31861 90972
57287 94797 62853 65171 36322
49937 31270 65964 33097 12741
08880 72377 25071 12516 89660
61133 56322 93010
= 618 38 000

M01, 6261 kHz, 1500 UTC, 08-10

463 415 30 =
70738 01061 57224 89404 70760
20774 37006 77245 92264 20283
71359 99380 50749 68890 68042
81414 51715 31446 63248 42287
15047 87725 46472 00888 11174
59792 97397 33455 31764 66989
= 415 30 000

M03



M03, 9150 kHz, 1115 UTC, 25-10

276/31 =

24924 28230 31081 48996 17256
05013 96289 02540 31207 06517
31865 88329 18416 33625 03251
56319 07722 59089 88511 15133
84531 30011 92274 06449 31816
80678 28459 11044 44373 36199
37848
= 000

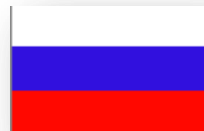
M03, 9150 kHz, 1115 UTC, 26-10

450/37 =

57917 65561 31182 02151 89813
72355 45668 33197 29251 85503
53542 02713 50903 48888 03894
12122 48193 79441 12081 78527
50222 56521 82683 94656 15137
31125 06557 19667 98547 60147
15755 19571 65583 81957 64252
97672 74314
= 000

M03, 6977 kHz, 1140 UTC, 29-10: 786/00 = = 0 0 0

M18



Long time no see, the Russian time marker. They do need a new watchmaker ☺
3881 kHz, 1955 UTC, 04-10: 0200 0200 0200 0201 0201

M12

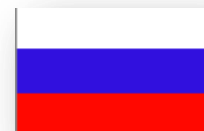


5214 kHz, 2120 UTC, 12-10: 826 826 826 000
4625 kHz, 0426 UTC, 31-10: 638 638 638 000

M21

M41

Soviet Air Defence Forces
Voyska Protivo Vozdushnoy Oborony
Во́йска ПВО Voyska PVO



M21

Id "0": 3228.5, 4627, 5201, 5752 kHz
Id "8": 4627, 6911.5 kHz
Id "9": 6121, 10516 kHz

M41

6822 kHz, 0936 UTC, 18-10: Russian Air Defense. Tracks ending by minute "338850136 85014065761638 85014065764640 ...".

M22 – 4XZ - Israeli Navy



Logged on several dates and times on 2680//4331/6379 kHz.

Sample messages:

Marker:

vvv de 4xz 4xz = = vvv de 4xz 4xz = = vvv de 4xz 4xz = =

Message:

*nr 115 ml v ze1e 548132 xo1f gr 82 = =
nunun mpeln briwn ndhef mrenx aozge rpxsl nkfre rneqy bjmrq
rnjst glwgb snmrx asueq hqjst sbxsa umqnq dcerg nwrex gfdlj
illhm irszi oejwb maeol zvet hpbpp tnezf mpeln = =*

*nr 115 ml v ze1e 548132 xo1f gr 82 ==
nunun mpeln briwn ndhef mrenx aozge rpxsl nkfre rneqy bjmrq
rnjst glwgb snmrx asueq hqjst sbxsa umqnq dcerg nwrex gfdlj
illhm irszi oejwb maeol zvet hpbpp tnezf mpeln = =*

nr 115 ml v ze1e 548132 xo1f gr 82 == ar ar

M32 Russian/CIS/Ukrainian Military SSB & CW Stations



As per this edition of Numbers & Oddities, M32 and associated stations will be included in the Logs Section. Special messages, flash messages etc. will also be included in the Morse section.

Flash messages:

07-09 XXX RDL 55154 97063 REWANChNYJ
07-09 XXX REU 90271 40712 DOLOPIHT 6967
07-09 XXX REU 10255 40240 HOLONTREN 6385
07-09 XXX RDL 42569 80852 AWGIT 0131 8437
07-09 XXX RDL 89612 59923 OBRAZoeIK 4824
05-10 xxx 1hsf 1hsf c1ob c1ob 87499 01136 cikloat 5352 5558 mizulxban 3111 1178 k
05-10 xxx xxx 1hsf 1hsf c1ob c1ob f2et f2et 57721 38788 64889 wolyinka 4384 5996 k
11-10 xxx xxx m1yx m1yx 589 meöta 736 k

12-10 XXX XXX V9VY V9VY GARPUN 2222 into op-chat like "de SKQ8 R XXX GARPUN 2222 k"
 20-10 XXX XXX XXX RLO AMFEBIÄ ...RM W. 65060 1...6 K.
 24-10 OTLN de SHO3 qbe qyt6 k xxx 1hsf de c1ob 64056 56689 dräölx 2839 229 prytkestx 3874 8922
 24-10 xxx 6z2s jfb5 87322 85079 gryzlo 4189 2953 brusniönyj 9118 8453 k
 24-10 xxx wrnu 44132 prohodka 9550 5982 k
 28-10 xxx xxx xxx RDL RDL
 28-10 xxx xxx xxx REU REU 71388 42101 uöastyj 5242 9035 k"
 28-10 xxx RDL RDL 11457 74387 k

The following unid net is a presumed Ukrainian military(?) net. This net seems to be on the air on 5 October only. It transmitted on 5 October 2010 and 2011 and was not reported on other dates yet. Could it be connected to a special event on 5 October?

Frequencies: 5196.9, 5197.0, 5197.1 kHz.

Mode: CW

Net Control Station: URT51.

Callsigns: URT51, URT52, URT53, URT56, URT58, URT62

Note that the "T" might be a zero, so UR051 etc.

Trond reported the net and comments:

Op-chat and passing 5FG messages, NCS URT51 on 5197 kHz.

Out stations URT58 and URT62 on 5196.9 kHz.

Out station URT53 and a unid one on 5197.1 kHz.

Sample of the traffic on this net: "qsa? ... qsa3 gru ? k", "qtc no qrv k rpt k", "fm urt53 ... for urt62".

Schedule ends around 1840 UTC, after that only some "VVV" and tuning dashes on the frequency.

Last year on 5 October the net was logged by Bruno:

5197 URT51: Unid UKR CW (05 Oct 10) 1604 CLG/WKG URT52 (BC)

5197 URT52: Unid UKR CW (05 Oct 10) 1559 CLG/WKG URT58 (BC)

5197 URT56: Unid UKR CW (05 Oct 10) 1609 CLG/WKG URT58 (BC)

5197 URT58: Unid UKR CW (05 Oct 10) 1600 WKG URT52 (BC)

Dave asked for a list of Yakhta (vocoder) frequencies. This is what I have on file, Dave:

2980	4354	6697	11375
3521.5	4355	6700	21000
3528	4520	6769.5	21001.5
3533	4885	6908	28050
3530.5	4936	6939	28200 kHz
3549	5418	7030	
3851	5490	7088	

We received a couple of logs and transcripts from Attu of various Russian military stations. Attu comments: "This fellow always begins 5fg messages with a 72727 group. Has been logged in the past from 7 to 10 MHz bands. Sporadic in nature, often heard for weeks at a time then vanishes.

Attu continues "I'm curious how many other swl's are hearing 5fg messages that begin with the 72727 series of numbers. I searched my swl logs for any mention of these type of 5fg msg's. Results follows after the transcripts."

8294 kHz, 1847 UTC, 22-10. Mode: CW

IOIA IOIA IOIA QTC K
QSA? K
021 118 222230 021 =
ZPW =
= =

72727 81829 88218 55553 20971 30049 32632 31441 45792 89367 =
55773 42260 15098 80582 45627 15786 52669 14261 55068 59946 =
48255 89883 60960 71563 78435 34972 11542 23436 31565 01999 =
69901 57503 84914 74556 47796 66825 73349 63236 81827 94832 =
10121 71322 10701 59868 46038 94543 21355 26506 37412 51503 =
38701 37992 65714 20759 37507 96783 64264 76890 04862 65327 =
20005 77654 29441 57982 58128 90479 64192 14670 21106 29112 =
90934 90893 32127 62004 32959 19154 19475 41843 11591 62403 =
94778 93543 01676 75242 65885 21213 95419 17735 14176 31484 =
06725 09572 64516 91176 84772 54752 87266 89097 79512 20113 =
88490 94768 96054 44509 48229 22981 13711 46852 87503 52546 =
25456 60707 25144 81374 20140 94734 04628 22117 K

8294 kHz, 1909 UTC, 30-10. Mode: CW

IOIA IOIA QTC
IOIA 045 109 30 2300 045 =
ZPW =
= =
72727 10803 89549 09992 08749 05301 08978 03272 56677 15078 BT
31466 38560 89113 07036 21002 19767 43950 20337 59285 30351 BT
11445 06161 89937 87632 54635 04420 61013 52480 78098 34077 BT
49050 44061 84824 39667 74121 61458 37461 56177 26874 63134 BT
05494 34651 19604 09290 87551 65947 25316 07221 37243 33290 BT
35632 22114 21978 80289 12595 76949 28168 14862 50068 51315 BT
67643 25524 63193 31192 75343 46788 94618 18036 34849 10523 BT
33363 31718 67118 92096 50173 54549 97351 05413 92583 55770 BT
77777 82136 08009 78839 04857 13534 47055 80533 07103 71140 BT
59071 44069 79255 34107 84274 38205 36786 13696 43715 41025 BT
75930 55105 11100 25370 92099 68564 50260 83912 30108 K

Freq. c/s	UTC	Date	Remarks
10210	0044	17-11-2008	5FG; BT BT 99650 18 0200 996 BT 72727 12032 99714 20246 99629 05246 63591 97646 52487 12075 BT BT
7653	0230	21-02-1009	72727 5FG 50 group msg's
4280	1735	21-02-2009	possible 72727 net ; 5FG msg's simplex
4280 YAGR	1830	21-02-2009	72727 5FG msg's
7653	2324	22-02-2009	5fg; 72727 weak copy, missed callsigns
10532 RCY7	0006	06-03-2009	5fg msg 72727 weak copy
7653 2CNP	0042	12-11-2009	5fg msg 72727 other stns contacted, TMGW, AUOJ, 5HOH
7653 2CNP	0440	13-11-2009	5fg msg 72727
7653 2CNP	0142	18-11-2009	5fg msg 72727
7653	0245	29-11-2009	5fg msg 72727
7653 V1LU	0215	30-11-2009	5fg msg 72727
7653 K1BP	0310	08-12-2009	5fg msg 72727
7653 7MVD	2308	02-01-2009	5fg msg 72727
7653	0100	07-01-2010	5fg msg 72727
7653	2256	09-01-2010	5fg msg 72727
7653 Q4AS	2312	09-01-2010	5fg msg 72727
8294 G6ND	1710	16-10-2010	5fg msg 72727
8294 IOIA	1847	22-10-2010	5fg msg 72727
8294	1655	29-10-2010	5fg msg 72727
8294 IOIA	1909	30-10-2010	5fg msg 72727

Trond responds to Attu's question "Similar traffic also logged on 2730 and 3206 kHz back in the age of the WUN list. Some comments;

10532 RCY7

Most likely a naval air related ident.

RCY7 heard in traffic with RJF95, RAO98, ROF95, RJF94, RKO3, all Naval Air related.

RAO98 also heard working RCY7 on 7952 and RCC Petropavlovsk on 5392.

RJF95 frequently heard working with RJF94, Naval Air Logistics Central station in Moscow, on 10164 and 14729.

10210 Unid

RCV, Black Sea Fleet, heard with 5FG traffic as well as Wx and Nav Warnings on this frequency.
What with time of telegram with regard to time of reception ??
Other traffic on channel mostly related to former "FAPSI" activity.

4280.

Only one record from this qth, weak station, not much of the traffic copied besides notice of "5fg" groups.

=ZPW=

If our Russian friends do use the same meaning for "ZPW" as us; "This message cancelled at time indicated. File without further transmission" (Could of course have a totally different meaning in Russian.)
Is it used for all the 72727 messages ???

72727.

The procedure group. 72727 is (probably) nothing more exotic then a description of the treatment ("decoding") of this particular message. Some call this procedure M125, personally I'm not sure if that is a valid term. M125 relates to the name of a cold war cipher machine, FIALKA. Most likely our Russian friends still use similar systems as the "Violet", but most likely nowadays software based and not as in the old days.

BTW; an excellent FIALKA applet is available at http://bc.fialka.szm.com/Final/fialka_applet_run.html for those who would like to play around with code and decode of messages."

M51 / FAV22

8ème Régiment de Transmission



5426.0 kHz, 04-10, 2123 UTC
5426.0 kHz, 04-10, 2141 UTC
5426.0 kHz, 04-10, 2340 UTC
5426.0 kHz, 05-10, 0005 UTC
4232.0 kHz, 07-10, 1904 UTC
4477.0 kHz, 06-10, 0555 UTC
4477.0 kHz, 05-10, 2309 UTC
5708.2 kHz, 12-10, 0805 UTC
6825.0 kHz, 12-10, 0843 UTC
16044.7 kHz, 11-10, 1628 UTC
6818.0 kHz, 17-10, 2003 UTC
6818.0 kHz, 23-10, 1700 UTC
6818.0 kHz, 23-10, 2140 UTC
6818.0 kHz, 25-10, 1931 UTC

5426 kHz, 2123 UTC, 04-10

NR 07 O 04 23:23:04 1983 BT
UREJA SJYJL KINQF CPANI RWMQU ZIZIK GCRQE WRFZB EDCCJ CLBGD
YPEFA CVCYT GEHTV GZDXU LAKFE JJMZT IAXZO FMOIZ JSECO NSFPL
XVXOB PTUOG LFDOE KOCOD QGURH CRKMN QHZMG FWPII HRLFR CBXED
ARWYD ABWGZ CTDHV YVBIX BZCBO FVHLS TIQZP LSPFE YMHTU HIFVX
URTAZ XNONG FSESE AQMLZ TPMTF VSESE IYDIK ZRVCB JLTVE FMRIS
UEAPM KISPB MYNXV AAPJS WWHVC ICOLZ IIRUO RTPNM RGKZX XYYYYK
FHQXB SQOXO YBSNP OGACF CSRCO CNNCV LXIPG VLUZM HTWQG SPJFY
HUSRX EGT VX NWWCB GNYXN CGISG APUFI XODNT NDGDR HREQA DZWHG
WOQNR VAITE NPAWP EKFTF CZLGX B*IWX LLISQ QHMIG ZBEPQ VMGTM
QZTEN UQGOU WUXUG BUKSW WDEAH VTHUY MXEXH DWONW YBLVP HGIGD
BT

5426 kHz, 2141 UTC, 04-10

NR 10 O 04 23:41:51 1983 BT
GCDVS TFGYT EBOHD PUYGK GTEMZ UFECB FVAQK YOHVY ZXGEM ATKJG
WRKQT OFVXO BDJAY QKAXM ZRMYI NVUXC TCQQA WPRWD OUUQX NCQFE
WBTTE TYSIO RSDMO GCKMS HNJVL JBLVD XEJFQ ZOFXB KUOOC HUBMQ
RLGUO HVJSB BNMLB OSKOB QNHHQ YMJJJ RJBPD QHNP FYMBE BKBOC
HWVUC FMMIL MBBUZ YRQYK ETHPL XBURC IIFFG BOGHV AEGRT MIHYG
SPSIM XKFIY WMQOB OUHHL QWGDH MSLMS JYZJH SRTEZ GRTLS NTFFC
RDVPY TRJOC LJMYD OPBHG XCZQZ OGUQL MRVGM FIJVV UHROH NNVEV
KQXJX FXXNJ FLLZT ZYAXG PBSEF VYUPJ KALIU MGKQW HHJHB NDBYN
LQKXI MPUYU VBJZO WNDKW DHWVF YIOLL WJANO XLEXH AJRLY NHZIW
SZCKC ICHFY ARMHY YLFRR TGGMR TUSSO RBOSZ WJIUD TEWPF IYUMP
BT

M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k	4860, 6840 10640 kHz
V 7NPE 7NPE 7NPE DE QV5B QV5B	4225, 5500, 7582, 8110 kHz
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	3642, 7602 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	3297, 5278 kHz
V RXP7 RXP7 RXP7 DE CZT2 CZT2	8024, 8787 kHz
V H2FL H2FL H2FL DE DRV8 DRV8	3797, 6773, 8040 kHz
V WITN WITN WITN DE GNXG GNXG	4607, 10779 kHz
V HJ4I HJ4I HJ4I DE YI4K YI4K	4767, 4982, 5207 kHz
V OPN9 OPN9 OPN9 DE GYVR GYVR	5332 kHz

Please note that callsign “K=D8WT” mentioned last month should be “K0WT”
V K0WT K0WT K0WT de O9VE O9VE

JPL, our main M89 monitor said in one of his reports “As quickly as YI4K appeared, it seems that the station has already disappeared. Due to the large amount of messages being sent by this station, I have been monitoring this station a lot. However, I have not heard YI4K on any of the 3 active frequencies since 7 Oct 11. There is also the possibility that YI4K has changed frequencies.”

I guess that YI4K was the leading or net control station for a while just like L9CC in the past. This station was VERY busy for quite a while and then disappeared completely but other callsigns replaced L9CC and were as busy as L9CC was.

Many thanks to JPL for the transcripts. See for a summary of the logs our Logs Section.

4982 kHz, 1215 UTC, 02-10

V HJ4I HJ4I HJ4I DE YI4K YI4K
K BT
H.3T 357T ... (Into 4 fig traffic using AU34567DNT cut number format)
AR QSL 2031 QSL 2031 (1225z)
NR 056/CCKCK 192 80 10 02 1930 RMKS CQ BT BT
4UNT 754D ...
AR QSL 2040 QSL 2040 (1235z)
NR 057/CCKCK 192 80 10 02 1930 RMKS CQ BT BT
3456 3DU4 ...
AR QSL 2050 2050 (1243z)
NR 058/CCKCK 192 80 10 02 1930 RMKS CQ RMKS CQ BT BT BT
BT
.5NT NA3D ...
AR QSL 2100 QSL 2100 (1252z)
NR 059/CCKCK 192 80 10 02 1930 RMKS CQ BT BT
BN.4 D534
AR QSL 2110 QSL 2110 (1303Z)
NR 060/CKCCK 192 80 10 02 1930 RMKS CQ BT
DA35 TU74 ...
AR QSL 2120 QSL 2120 (1313z)

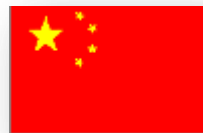
NR 061/CCKCK 192 80 10 02 1930 RMKS CQ BT
377A N7ST

5207 kHz, 1148 UTC, 04-10

HR CQ 7G NA HW CQ 7G GA (x3) (1158z)
MSG NA NR 112/CCKCK 192 80 10 04 2000 BT BT
46AD 4737 D36T NA4D 3U67 U46T 5T3A
AR (1208z)
QSL 2014
7G NR 113/CCKCK 192 80 10 04 2015 RMKS CQ BT BT
N6A7 46AU N3TA DA4T 46ND TA75
AR AR (1221z)
QSL 2027 (x4)
7G NR 114/CCKCK 192 80 10 04 2028 RMKS CQ BT BT
7UNS 4DNT 4A3D 7A36 U4AT
AR AR (1231z)
QSL 2038 2038 2038
MSG NR 115/CCK 192 80 1004 2039 RMKS CQ BT BT
6U35 U5T6 U3DT 6765
AR (1241z)
QSL 2048 2048 QSL 2048
MG NR 116/CCKCK 192 80 10 04 2049 RMKS CA 7G NR
116/NR116/CCKCK 192 80 10 04
2049 RMKS CA BT BT
3NTA AN35
AR AR (1253z)
QSA 2059 QSL 2059
MSG NR 117/CCKCK 192 80 10 04 2100 RMKS CA NR

(Freq silent at 1323z) XXX XXX XXX YIQ/3438/77/99 (1324z) XXX XXX XXX YIQ/3438/77/99 QSL 2131 QSL 2131 XXX XXX XXX YIQ/347/77/99 XXX XXX XXX YIQ/3437/77/99 QSL 2132 QSL 2132 (1326z) (Silent) V HJ4I HJ4I HJ4I DE YI4K YI4K (Cont'd - 1330z)	117/CCKCK 192 80 10 04 2100 RMKS CQ BT BT TU7T 4TDA 37D4 AR AR (1305z) QSL 2111 (x4) MSG NR 118/CCKCK 192 80 10 04 2112 RMKS CQ BT BT AU5A A457 3DA5 6D4T AR AR (1318z) QSL 2124 (x2) (Silent) V HJ4I HJ4I HJ4I DE YI4K YI4K (1319z)
4982 kHz, 1221 UTC, 06-10 (In traffic - Using AU34567DNT 4 figure cut number format) AR (1221z) QSL 2028 00 QSL 2028 MSG GA NR 164/CCKCK 192 80 10 06 2029 RMKS CQ (x2) BT BT 6N76 4DN5 45U6 5U35 6A4D 46ST AR (1233z) QSL 2039 QSL 2039 HR CQ MSG GA NR 165/CCKCK 192 80 10 06 2040 BT 3D3A 357T 6D7U D35T 4A3D 7ET4 AR (1245z) QSF QSL 2051 QSL 2051 HR CQ MSG GA NR 166/CCKCK 192 80 10 06 2052 BT 4UNT 754D AAN7 AR (1255z) QSL 2102 QSL 2102 HR CQ MSG GA NR 167/CCKCK 192 80 10 06 2103 BT 3456 3DU4 D63A N3DT 3N67 35DT AA6D 5474 TAT7 TTDD AR (1305z) QSL 2112 QSL 2112 HR CQ MSG GA NR 168/CCKCK 192 80 10 06 2113 BT BT A5NT NA3D 5476 7A34 AUN7 65TD AR (1316z) QSL 2122 QSL 2122 V HJ4I HJ4I HJ4I DE YI4K YI4K	4982 kHz, 1109 UTC, 05-10 V HJ4I HJ4I HJ4I DE YI4K YI4K (Silent 1124z) XXXX YIQ/3318/79/99 (x3) (1130z) (Silent) XXX YIQ/3317/79/99 (1134z) V HJ4I HJ4I HJ4I DE YI4K YI4K
5207 kHz, 1009 UTC, 04-10 XXX (1025z) YIQ/3348/86/99 V HJ4I HJ4I HJ4I DE YI4K YI4K	5207 kHz, 1009 UTC, 04-10 XXX (1025z) YIQ/3348/86/99 V HJ4I HJ4I HJ4I DE YI4K YI4K
5278 kHz, 1753 UTC, 17-10 V GKVZ GKVZ GKVZ DE Q7NW Q7NW VVV VVV VVV (1853z) CQ 63 RMKS 2309 0T8.9./0839 UGT COMM AAS BT 50616/8696/..00/117NR/2309 AR BT 50616/8696/0400/117NR/2309 AR AR (1855z) V GKVZ GKVZ GKVZ DE Q7NW Q7NW	5278 kHz, 1753 UTC, 17-10 V GKVZ GKVZ GKVZ DE Q7NW Q7NW VVV VVV VVV (1853z) CQ 63 RMKS 2309 0T8.9./0839 UGT COMM AAS BT 50616/8696/..00/117NR/2309 AR BT 50616/8696/0400/117NR/2309 AR AR (1855z) V GKVZ GKVZ GKVZ DE Q7NW Q7NW

MVC03



Eddy found VC03 on 8073 kHz on several days. Eddy noticed that the station transmits in both Morse and Voice. We assigned MVC03 to VC03's Morse sister.

Frequency: 8073 kHz.

Modes: Voice (USB) and Morse

1030 UTC, 02-10, CW	Chinese station sending 3FGs in progress
1210 UTC, 02-10, USB	Chinese station sending 3FGs
1030 UTC, 07-10, CW	Chinese station sending 3FGs in progress. Ends 1031 UTC.
1202 UTC, 07-10, USB	Chinese station sending 3FGs. Ends at 1208 UTC
1132 UTC, 10-10, CW	Transmission ends at 1202 UTC. No voice message this time.
1132 UTC, 11-10, CW	Transmission ends at 1202 UTC
1202 UTC, 11-10, USB	Both VC03 and MVC03 were audible at the same time
1130-1230 UTC, 12-10.	No transmissions noted

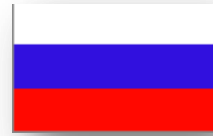
VARIOUS MODES

M42 & X06 - Russian Government / Intelligence



19511	01-10	0917	Mazielka. Sequence: 314265
20665	01-10	0927	Mazielka. Sequence: 314265
16276	01-10	0932	Mazielka. Sequence: 314265
14655	07-10	0758	Russian Gov. Mode: CROWD-36
16166	07-10	0842	Russian Gov. Mode: CROWD-36
12100	11-10	1239	Mazielka. Sequence: 612534
19305	11-10	1317	Russian Gov/Intel. 5FGs in groups of 10 per line. Mode: Baudot 75/500
5770	12-10	0626	Russian Gov/Intel. Mode: Baudot 50/500
17468	20-10	0640	Mazielka. Sequence: 436512
5412	20-10	1913	Mazielka
11055	22-10	0544	RMA2: Russian Gov/Intel. Traffic to RGK2. Mode: Baudot 2,5 stb/50/500
13915	24-10	0639	Russian Gov/Intel. Mode: RUS-ARQ 100/500
13985	24-10	0916	Russian Gov/Intel. Mode: Baudot 50/500
5010	28-10	0557	Russian Gov/Intel. Mode: RUS-ARQ 100/500

XP family



XPA on 14503 KHz (USB) running between 1500 and 1504 UTC on 19-10.
Rivet decodes the transmission as follows:

Block Sync

4444444444

Block Sync

831 831 831 1 831 831 831 1 831 831 831 1

Block Sync

4444444444

Block Sync

6

Message Start

07903 00143 06223 73794 28033 44668 62529 14036 34823 52754
84207 03554 07807 19640 97674 92115 18041 79997 07541 64549
54312 98891 79952 40325 90929 91558 72967 22198 03644 28538
27323 50516 15396 07674 12434 99733 00207 73444 52829 50032
54474 59310 19811 33443 24726 16992 74387 06353 21864 37563
95082 62652 21533 46078 94469 13089 74963 84956 88267 22813
95032 90910 81793 46102

Block Sync

65302 97434 34988 07584 48844 40502 48923 34720 82946 89202
15444 26398 39242 42878 30007 06917 30388 88584 09117 13984
34215 85327 12693 18237 95572 33682 47193 32834 58231 29560
44292 84498 90608 73307 94123 12471 66793 24519 73086 70287
65401 79350 73104 78523 84365 75985 88223 58659 35699 72719
57484 12780 20654 42341 22713 84955 00660 78479 91328 60573
89504 70144 18982 50532

Block Sync

27294 44883 18859 60516 00272 48710 84573 349697 42253 76607
12379 91572 90565 55596 70156 72561 21887 31233

UTILITY ROUND-UP

Unid 16100 kHz

16000 kHz, 0542 UTC, 26-10. Mode: AM.

Unid. Male operator. English 5FGs

Logged by linkz in France. Recording on the N&O website.

Unid station on 7100 kHz

An unid station was reported by monitors in Australia. It was first copied on August 1st.

Frequency: 7100 kHz USB

Language: unid Asian

Message: groups of numbers

Heard so far at 0810, 0900, 1000 UTC

Alas, I have no recordings or further details at the moment.

Unid station on 14102 kHz

Another unid station, also reported by monitors in Australia. It was first copied on August 2nd.

Frequency: 14102 kHz USB

Language: Tagalog

Message: groups of numbers

Heard so far at 0805, 0945 UTC

I have no recordings or further details at the moment.

Unid station

The unid Russian/CIS station was again copied in October. It might be one of the "M42", the Russian Gov/Intel stations. It transmits A1A control strings "VVV VV VVV 3k"

Logged so far on:

11082 kHz, 1914 UTC, 14-05

11082 kHz, 1032 UTC, 06-06

10436 kHz, 0341 UTC, 08-08

10436 kHz, 0645 UTC, 18-10 (Mode: F1B 81-81/500 end of msg, short F1A/500 fsk op-chat and off air, later short control routines using A1A; "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC)

Unid morse station

This one was reported by Wolfgang. An unid morse station on 14440 kHz at 0720 UTC on 14-10.

"MD1O de M78C qtc k M78C 871 16 14 1046 871 - M78C ppppp xnmw ftnuz igspf bnopz ekxf hmwgä zrmöv älfnc chovpp rkdyw xnmw ftnuz ärpät 042 k"

Unid 13320 kHz

Igor copied the weirdest unid station of the month. The language is English with an Asian accent (Indian/Pakistani/Indonesian??). The male who is reading the message is doing that in a very funny way. A couple of times you can hear another male who is interrupting the reader probably because he is making a mistake. Any info is highly appreciated. Recording available from the N&O website.

Transcript:

...

ecvjq enbqc ibref mytor vplyk pjvch wsysh iyxvk kempc wbbia

40 - 41

cnwzr nzxpr rpdzy uolvq lzwaw ybhqb wxmkk xjcxh hlwet sxldm

wvaih qjcda hvdra pjfkh fbxyi mzaav agkve mytsb vimpv qhvbl

60 - 61

iukvy uorwm oonmh ggrbp xzkqv ziidy vlvsh sjwmq coszp mnqdl

zwjyr fstdo zdbce reslf apayf jcgfg

... 76 oblique 22

(opchat)

-m -m --2 -- -- cc cc -- 221100 --221100 --cc --221100 1v - -pts -pts -est --est gs

gr 59 59 1v-pts informed u--st-gs gr 59 59 --- 01

jcgfg apnsy wnvih anelm azrdt jqdqh bvfcq veyfq utvhp jcypm

fhxtb nwire czpvd pptoa meahw ocgmp gezvz jnhlm hryhm qkxrt

20 - 21

wsdvc fajwc qbepx ndwlv saszh oitza eixoo klqdg grxwk szcmi

tbzix ctemi iqonf ynflb qoxfi gbkgw mjoli dtdqu yrwqs gjyk

40 - 41

dwrui dbmzk eunpf hjpdp goanh yzqtt ihnpf whnqm kvaqb kujox

vzrrg gberk dwtit lhbwc lyjsg setry apnsy jcgfg

... 58 oblique 22

(opchat)

--- mm -- mm --221045 -- 221045 --mm 221045 -- 1v-- es-- 1v-- gr ---

lkdcn bqhzs wnbog qxrji jjrlm hpzco gtymx nhjoz kjbns pyqgy

sktjo izgtg sjxso xmgz bdowu oxgqb qumjq qhnle dhxnt rgwry

after 20 - 21

vcxht eftoh wakrd qdcve bmzed bihrc tdtjt jerxt kborg niehq

ehhuw hkmlt dhczg qrvf uslmg rmgbf nptnv mmnge sdlos juafa

40 - 41

iflyu hpije rjmrftube npdbg dtxon vgraw dytit lwsyw zkadn

gamkl hjbfv tupkm sfsjv jeeti qpdmj qzxiv yxmpw lmhty qwbon

(phrase)

xhofo ivkek ybayj ekbdh hznno dkhrv scrpn rrtbz jiicr aihqt

dhqid qrkrb gzhrd leomr xqscx ahwiz twljj ozscp cdgbo mclid

(phrase)

bqhzs lkdcn

--/22

XSG Shanghai Radio

The following info was posted by various dxers on SWL Nomad.

"Unusual activity for a maritime shore station has been observed by several shortwave listeners along the pacific rim. Discussions continue on various internet groups about the purpose of these "alternate" communication agendas for a maritime entity. Our primary observations occur on 12856 kHz with current atmospheric conditions excellent signal strengths have been noted.

Chinese vessel HAIGANG36 callsign: BTKT is receiving unique numerical messages at regular intervals from XSG. Formatted in a manner which is inconsistent with normal maritime messages. Suggesting Haigang 36 is participating in some form of clandestine activities."

The following coded messages were transmitted by XSG:

October 25, 2011. Message:
42698 83374 10118

October 30, 1600 UTC. Message:
BTKT BTKT BTKT de XSG
BT QTC BT
11272 49407 bt
11272 49407 bt
11272 49407

I wonder what purpose do they serve....

CIS taxi frequencies

Picture: trinityx.ru

I copied CIS taxi traffic and possibly some tuckers on a large number of frequencies in October.

Beside de CIS taxi's I have also heard a number of Turkish CB stations on 27200 and 27665 kHz and further several unid stations in Arab on 27420 kHz.

Mode: Narrow FM



26025	27025	27625	28095	28310	28840
26125	27060	27645	28105	28365	28845
26140	27075	27685	28135	28385	28865
26200	27170	27690	28150	28405	28875
26305	27175	27710	28165	28435	28885
26365	27200	27725	28170	28585	28915
26375	27215	27730	28175	28635	28935
26455	27240	27795	28180	28655	29000
26465	27245	27805	28185	28715	29005
26625	27250	27825	28190	28715	29010
26655	27305	27845	28215	28725	29025
26665	27355	27865	28235	28745	29045
26705	27365	28005	28245	28765	29060
26805	27375	28015	28265	28775	29125
26815	27465	28025	28275	28795	29205
26905	27530	28035	28285	28805	29250
26930	27545	28055	28290	28815	29325 kHz
27005	27520	28065	28305	28825	

Chinese Firedrake jammers



Tony asked for a list of Chinese Firedrake jammer frequencies. Well Tony, the list is endless so I will only mention the frequencies that were used in 2011.

6280	9540	11540	12960	14920	15560
7105	9635	11575	12970	14940	15570
7280	9685	11605	12980	14960	15580
7310	9830	11635	12990	14970	15720
7520	9905	11700	13000	14980	15730
7525	10240	11720	13100	15140	15735
7560	10300	11750	13300	15150	15760
7585	10400	11760	13320	15200	15970
8400	10410	11765	13340	15255	16100
9000	10420	11795	13500	15265	16700
9040	10440	11840	13625	15430	17300
9150	10500	11945	13680	15435	17560
9345	10970	12590	13710	15490	17645
9355	11100	12600	13950	15515	17920
9365	11400	12620	13970	15530	17970
9380	11420	12680	14600	15540	18100
9450	11460	12730	14700	15545	21550 kHz
9495	11500	12950	14900	15550	

Intelligence profile: Japan



BACKGROUND

During the late 19th and early 20th centuries, Japan became a regional power that was able to defeat the forces of both China and Russia. It occupied Korea, Formosa (Taiwan), and southern Sakhalin Island. In 1931-32 Japan occupied Manchuria, and in 1937 it launched a full-scale invasion of China. Japan attacked US forces in 1941 - triggering America's entry into World War II - and soon occupied much of East and Southeast Asia. After its defeat in World War II, Japan recovered to become an economic power and an ally of the US. While the emperor retains his throne as a symbol of national unity, elected politicians hold actual decision-making power. Following three decades of unprecedented growth, Japan's economy experienced a major slowdown starting in the 1990s, but the country remains a major economic power. In March 2011, Japan's strongest-ever earthquake, and an accompanying tsunami, devastated the

northeast part of Honshu island, killing thousands and damaging several nuclear power plants. The catastrophe hobbled the country's economy and its energy infrastructure, and severely strained its capacity to deal with the humanitarian disaster.

GENERAL

Name: Nihon-koku/Nippon-koku
Short name: Nihon/Nippon (Japan)
Capital: Tokyo
47 prefectures: Aichi, Akita, Aomori, Chiba, Ehime, Fukui, Fukuoka, Fukushima, Gifu, Gunma, Hiroshima, Hokkaido, Hyogo, Ibaraki, Ishikawa, Iwate, Kagawa, Kagoshima, Kanagawa, Kochi, Kumamoto, Kyoto, Mie, Miyagi, Miyazaki, Nagano, Nagasaki, Nara, Niigata, Oita, Okayama, Okinawa, Osaka, Saga, Saitama, Shiga, Shimane, Shizuoka, Tochigi, Tokushima, Tokyo, Tottori, Toyama, Wakayama, Yamagata, Yamaguchi, Yamanashi

MILITARY BRANCHES

Japanese Ministry of Defense (MOD): Ground Self-Defense Force (Rikujou Jietai, GSDF), Maritime Self-Defense Force (Kaigou Jietai, MSDF), Air Self-Defense Force (Koukoku Jietai, ASDF) (2011)

INTELLIGENCE / SECURITY AGENCIES

Cabinet Secretariat

NAICHO - Naikaku Chosashitsu Betsushitsu (Cabinet Intelligence and Research Office)
Cabinet Satellite Intelligence Center (CSICE)

Ministry of Defense

Bureau of Defense Policy
Defense Intelligence Division (DID)
Defense Intelligence Headquarters (DIH)
Military Intelligence Command (JGSDF)
Fleet Intelligence Command (JMSDF)
Air Intelligence Wing (JASDF)

National Police Agency

Security Bureau (SB)
Tokyo Metropolitan Police Department Public Security Bureau

Ministry of Foreign Affairs

Intelligence and Analysis Service (IAS)

Ministry of Justice

Public Security Intelligence Agency (PSIA)



Picture:

One of the public office buildings of the Ministry of Justice, Japan

法務省庁舎

Date = Dec. 2005

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Naichō

Naichō is the premier intelligence agency of Japan, reporting directly to the Prime Minister. Most of the information obtained by Naicho is based from news agencies and intelligence supplied to them by friendly nations.

The Public Security Intelligence Agency was established on July 21, 1952, when the Subversive Activities Prevention Act came into force, an administrative agency to carry out the comprehensive tasks of intelligence activity and investigation and request for control to be imposed on subversive organizations as by the act enacted.

The Public Security Intelligence Agency is the national intelligence agency of Japan. It is administered by the Ministry of Justice in the government of Japan, and is tasked with internal security and espionage against threats to Japanese national security.

The PSIA has 3 Departments (General Affairs Department, First Intelligence Department, Second Intelligence Department), a training institute and a number of regional public security intelligence bureaus (Sapporo, Sendai, Tokyo, Nagoya, Osaka, Hiroshima, Fukuoka and Takamatsu) and regional public security intelligence offices (Kushiro, Morioka, Saitama, Chiba, Yokohama, Niigata, Nagano, Shizuoka, Naha, Kobe, Okayama, Kumamoto, Kyoto and Kanazawa).

The Security Bureau's main focus is activities which threaten national security. It is operated entirely by police officers.

The Bureau consists of the following nine divisions.

- General Administration
 - First Public Security Division
 - Second Public Security Division
 - Third Public Security Division
 - Fourth Public Security Division
 - First Foreign Affairs Division
 - Second Foreign Affairs Division
 - Third Foreign Affairs Division
 - Public Security Mobile Investigation Unit
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Intelligence and Analysis Bureau

The Intelligence and Analysis Bureau takes charge of the following matters: general management of information on the international situation; general administration of research affairs; research and surveys on foreign countries (except matters under the charge of other bureaus), and; general analysis of the international situation and collection of necessary information. The Intelligence and Analysis Bureau is divided into the General Management Division, the First Analysis Division and the Second Analysis Division.

Defense Intelligence Headquarters (DIH)

The main role of the DIH is to collect information and analyze for planning defense and operation policy. The agency collects information from open sources, signals and image intelligence as well as from other

Japanese government ministries, Japanese embassies and other affiliated ministries and organizations. In addition, they also gather intelligence through surveillance activities.

The DIH consists of the following directorates:

- Administration Division. Responsible for administration and logistic support.
 - Planning Division handles HUMINT activity.
 - Imaginary Division. Analyzes satellite images bought from American commercial satellites or from the JGSDF's Central Geographical Command located in Tachikawa, Tokyo.
 - Signals Intelligence Division. Analyzes SIGINT intelligence. Is responsible for its electronics unit in Ichigaya to monitor North Korea-based communications. It also manages two CDAA 'elephant cages,' as well as six other communications offices. They are located in Kobunato, Niigata Prefecture, Oi, Saitama Prefecture, Tachiarai, Fukushima Prefecture and Kikaijima, Kagoshima Prefecture. The division has a liaison section at the NSA SIGINT station of Maswa.
 - Analyses Division. Summarizes/assesses intelligence from Japanese military attachés serving abroad, intelligence from friendly nations and from DIH collaborators and agents.
 - Joint intelligence Division. Collect and analyse intelligence which is needed to cope with immediately, and support Chief of JSO and SDFs directly. This division is a part of DIH, but also is expected to be used as J-2 of JSO.
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Information and related websites

CIA World Factbook

Wikipedia

<http://www.fas.org/irp/world/japan/iab.htm>

<http://www.mofa.go.jp/>

<http://www.cas.go.jp/jp/gaiyou/jimu/jyouhoutyousa.html>

<http://www.moj.go.jp/ENGLISH/PSIA/index.html>

<http://www.keishicho.metro.tokyo.jp/foreign/gaiyo2/kouan1.htm>

<http://www.moj.go.jp/ENGLISH/index.html>

<http://www.cas.go.jp/jp/gaiyou/jimu/jyouhoutyousa.html>

<http://www.mod.go.jp/e/index.html>

<http://www.mod.go.jp/dih/>

<http://www.npa.go.jp/english/index.htm>

LOGS SECTION

frequency	enigma	date	UTC	remarks	mode	day	contributor
2680	M22	21-10-2011	2131	4XZ. Israeli Navy //2680//4331/6379	CW		(AB)
3214.5	M32	11-10-2011	0001	Russian Mil: "xxx xxx m1yx m1yx 589 me÷ta 736 k"	CW		(WP3)
3216	M32	22-10-2011	1907	SP8N: CIS Military. Comms check with 1VF1 G3VH 1XPK and others. Simplex net.	CW		(MPJ)
3228.0	M21	25-10-2011	2358	(ip.)	CW	Tue	(FMB)
3228.5	M21	7-10-2011	1758	Russian Air Defense =9922TT??T????	CW		(PPA)
3228.5	M21	22-10-2011	2026	Russian Air Defence =990029??0????	CW		(MPJ)
3257.0	M01a	25-10-2011	2355	313(x3) ..., t4t t1; 313(x3) 111 ttt	CW	Tue	(FMB)
3296	M32	22-10-2011	2048	X5ZO: Russian Military. Message to unid: X5ZO QTC ZDS K. X5Z8 799 .. 23 0040 799 = ZDS ..8 = PPPPP MEEMCh ... WEP.. 198 K.	CW		(MPJ)
3297	M89	2-10-2011	1320	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	2-10-2011	1703	V GKVZ (x3) DE Q7NW (x2) (Cont'd) //5278	CW		(JPL-HK)
3297	M89	2-10-2011	2113	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	3-10-2011	1333	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	3-10-2011	2006	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	3-10-2011	2144	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	4-10-2011	1653	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	4-10-2011	2220	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	6-10-2011	1053	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	6-10-2011	1519	In tfc - sending 4 fig cut number cipher until 1523z. V GKVZ (x3) DE Q7NW (x2)	CW		(JPL-HK)
3297	M89	6-10-2011	1902	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	7-10-2011	2114	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	8-10-2011	1206	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	8-10-2011	1627	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	9-10-2011	1823	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	13-10-2011	1053	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	13-10-2011	1844	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	22-10-2011	1203	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	22-10-2011	1929	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	23-10-2011	1315	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	23-10-2011	1655	gkvz gkvz gkvz de q7nw q7nw v	CW		(AtB)
3297	M89	23-10-2011	1657	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	23-10-2011	2000	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	28-10-2011	1338	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	21-10-2011	1323	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	21-10-2011	2012	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3535	M01b	3-10-2011	1810	420 618 38 = etc. //4590 kHz	CW		(AB)
3536	M01b	3-10-2011	1811	420 618 38 = 68073	CW		(FN)
3594.7	MX	31-10-2011	2145	Beacon "D"	CW		(AB)
3626	M01b	14-10-2011	1902	153 618 38 = 68037	CW		(FN)
3642	M89	3-10-2011	2143	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	4-10-2011	1652	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	13-10-2011	1843	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	23-10-2011	1655	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	23-10-2011	1958	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	27-10-2011	2130	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3646	M01	17-10-2011	1915	in progress //4456 kHz	CW		(AB)
3658	MX	7-10-2011	2217	Beacon "V"	CW		(AB)

frequency	enigma	date	UTC	remarks	mode	day	contributor
3658	MX	21-10-2011	2046	Beacon "V"	CW		(AB)
3756	S30	7-10-2011	2217	Channel marker Pip	CW		(AB)
3756	S30	26-10-2011	1713	Dlya YMA5 VTKH3 AGDT 'U1B OSOG BO6TS F56Shch 9GSA ZHBZU 4RVZ Kak slyshno? Kak slyshno? Priyom	USB		(Avare)
3797	M89	7-8-2011	2219	h2fl h2fl h2fl de drvz drvz v	CW		(IARUMS)
3797	M89	12-8-2011	2018	h2fl h2fl h2fl de drvz drvz v	CW		(IARUMS)
3797	M89	15-8-2011	0443	h2fl h2fl h2fl de drvz drvz v	CW		(IARUMS)
3797	M89	21-8-2011	2232	h2fl h2fl h2fl de drvz drvz v	CW		(IARUMS)
3797	M89	25-8-2011	0416	h2fl h2fl h2fl de drvz drvz v	CW		(IARUMS)
3797	M89	1-10-2011	2302	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
3797	M89	2-10-2011	1702	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4532	CW		(JPL-HK)
3797	M89	2-10-2011	2113	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4532	CW		(JPL-HK)
3797	M89	3-10-2011	1334	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	3-10-2011	2007	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	3-10-2011	2145	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	4-10-2011	1654	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW		(JPL-HK)
3797	M89	6-10-2011	1903	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	7-10-2011	2115	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	13-10-2011	1845	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	22-10-2011	1200	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
3797	M89	22-10-2011	1928	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	23-10-2011	1656	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	23-10-2011	1959	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	28-10-2011	1342	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	30-10-2011	1630	V H2FL H2FL H2FL de DRV8 DRV8	CW		(PPA)
3807	M32	22-10-2011	2105	3EBS: Russian Military. Message to collective SEKC: 3EBS 289 20 23 0050 289 = ZAA 491 = Requests QSLs from NDOL KGCD DGX9 459D XYR I4L8 T26Q MHDR WPOS X5ZO XEXC and cancels message to 2RF8 & KFG	CW		(MPJ)
3828.9	S32	7-10-2011	2217	Channel marker Squeaky Wheel	USB		(AB)
3828.9	S32	10-10-2011	1815	Russian Mil channel marker "Squeaky Wheel"	USB		(TJ)
3828.9	S32	31-10-2011	2145	Squeaky Wheel	USB		(AB)
3881	M18	4-10-2011	1955	0200 0200 0200 0201 0201 ...	CW		(FN)
3916.0	M51	25-10-2011	2300	(ip.)	MCW	Tue	(FMB)
3954	M32	22-10-2011	2206	SUHN: CIS Military. WEFI de SUHN QTC K. SUHN 384 22 23 0119 384 = 991 = NJDFJ CGQZN ... and service msgs to JY2C.	CW		(MPJ)
4028.0	V02a	7-10-2011	0001	Barely audible	AM	Fri	(WK)
4046	M51	19-10-2011	1912	BT NR 88 O 1921:51:47 1983 BT DFKQV JJQJN ...	CW		(MPJ)
4079	M32	26-10-2011	1723	RMP: Navy Kaliningrad	CW		(PPA)
4150	MX	12-10-2011	2130	Beacon "V"	CW		(AB)
4225	M89	1-10-2011	2301	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	2-10-2011	1319	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	3-10-2011	2004	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	3-10-2011	2145	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	4-10-2011	1651	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	4-10-2011	2118	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	6-10-2011	1051	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Thu)	CW		(JPL-HK)
4225	M89	6-10-2011	1517	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Thu)	CW		(JPL-HK)
4225	M89	6-10-2011	1900	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Thu)	CW		(JPL-HK)
4225	M89	7-10-2011	1146	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	7-10-2011	1538	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
4225	M89	8-10-2011	1205	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	8-10-2011	1619	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	9-10-2011	1221	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	9-10-2011	1821	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	13-10-2011	0214	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	13-10-2011	1051	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	13-10-2011	1842	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	22-10-2011	1931	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	22-10-2011	2348	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	23-10-2011	1312	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-10-2011	1654	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-10-2011	1957	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	28-10-2011	1335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-AUS)
4232.0	M51	7-10-2011	1904		MCW	Fri	(FMB)
4243	V26	16-10-2011	1220	Chinese YL 5FGs	LSB		(BCA)
4331	M22	21-10-2011	2131	4XZ: Israeli Navy //2680//4331/6379	CW		(AB)
4331	M22	25-10-2011	1905	4XZ: Israeli Navy Haifa "nz gr18 = = ps5w nr 9vvv de 4xz 4xz = = ar nw qtc 1 nr 354 = = nr 354 an vga9q 743152 mz5w gr 15 = ="	CW		(WP3)
4331	M22	29-10-2011	0137	4XZ: Navy Haifa "VVV DE 4XZ 4XZ"	CW		(PPA)
4402.0	M01a	25-10-2011	1911	(ip.) 593(x3) 36t53(x2)	CW	Tue	(FMB)
4441	M01b	14-10-2011	1902	153 618 38 = 68037	CW		(FN)
4454	S21	4-10-2011	1842	454 443 34 etc. //4854 kHz	AM		(AB)
4454	S21	4-10-2011	1842	454 443 34	AM		(FN)
4454	S21	11-10-2011	1851	Russian O/M with 5F message after 443 34 ending with 000 // 4854 kHz	USB		(PPA)
4455	M01b	3-10-2011	1915	771 618 38 = 68073	CW		(FN)
4455.15	M01	25-10-2011		701 Rptd 701 71 701 71 156 19 156 19 17200 17200 06028 06098 15343 15133 ... 97886 97886 = = 443 443 34 34 000	CW		(MPJ)
4456	M01	17-10-2011	1915	in progress //3646 kHz	CW		(AB)
4457	G06	3-10-2011	1700	439 439 439 00000	AM		(AB)
4457	G06	3-10-2011	1700	439 439 439 00000	AM		(FN)
4457	G06	3-10-2011	1704	Test: "123456789" (R5)	AM		(AB)
4474	M89	25-10-2011	2111	v rxp7 rxp7 rxp7 de czt2 czt2	CW		(WP3)
4477.0	M51	5-10-2011	2309	ip.	MCW	Wed	(FMB)
4477.0	M51	6-10-2011	0555	ip.	MCW	Thu	(FMB)
4478	M32	23-10-2011	1825	RBC89: Russian Navy message to RJD99 "874 17 23 2210 874 = FOR RJD__ RJH74 = ... 23014 = + RBC89 K".	CW		(ALF)
4532	M89	2-10-2011	1702	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW		(JPL-HK)
4532	M89	2-10-2011	2113	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW		(JPL-HK)
4556	M45	4-10-2011	1802	555 443 34 etc. //4956 kHz	CW		(AB)
4556	M45	18-10-2011	1802	555	CW		(AB)
4556	M45	20-10-2011	1802	555 443 34 = 92211	CW		(FN)
4557.7	MX	19-10-2011	2016	Beacon "S"	CW		(MPJ)
4557.7	MX	25-10-2011	2017	Beacon "D"	CW		(WP3)
4557.9	MX	25-10-2011	2117	Beacon "S"	CW		(WP3)
4564	E07a	26-10-2011	2040	815 1 65552 750 85... repeat of October 5th	AM		(Danix)
4567.5	M32	19-10-2011	2019	Russian Military "... IQEM QLOGP MLVAX ..." Goes offair without postamble.	CW		(MPJ)
4590	M01b	3-10-2011	1810	420 618 38 = etc. //3535 kHz	CW		(AB)
4591	M01b	3-10-2011	1811	420 618 38 = 68073	CW		(FN)
4607	M89	10-10-2011	1850	v WITN WITN WITN de GNXG GNXG GNXG	CW		(FN)

frequency	enigma	date	UTC	remarks	mode	day	contributor
4625	M12	31-10-2011	0426	638 638 638 000	CW		(AB-EST)
4625	S28	5-10-2011	1132	94ZHT 78 663 Noksiron 4985 4136 Vyemochnyi 33 51 58 30	USB		(AB-EST)
4625	S28	6-10-2011	0840	MDZhB 73 031 Diapauza 1620 1596 repeats a wrong number and start all over after sboi sboi sboi	USB		(AB-EST)
4625	S28	6-10-2011	1015	Male voice. MDZhB 00 132 Chianuri 11 00 82 91	USB		(AB-EST)
4625	S28	7-10-2011	2217	Channel marker Buzzer	USB		(AB)
4625	S28	22-10-2011	0703	MDZhB 67 968 Ozora 75 27 06 98	USB		(AB-EST)
4625	S28	26-10-2011	1203	Male voice. Unreadable message	USB		(AB-EST)
4625	S28	26-10-2011	1330	Male voice. Unreadable message	USB		(AB-EST)
4625	S28	26-10-2011	1537	Test tones on top of the buzzer	USB		(AB-EST)
4625	S28	26-10-2011	1540	Male voice. Test count in Russian 1234567890 on top of the buzzer	USB		(AB-EST)
4625	S28	31-10-2011	1332	MDZhB 07 034 Vzvoz 82 28 11 56	USB		(AB-EST)
4625	S28?	26-10-2011	1546	Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer	USB		(AB-EST)
4625	S28?	26-10-2011	1624	Digital mode on top of the buzzer	USB		(AB-EST)
4625	S28?	26-10-2011	1626	Test tone on top of the buzzer	USB		(AB-EST)
4625	S28?	26-10-2011	1638	Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer	USB		(AB-EST)
4625	S28?	26-10-2011	1642	Male voice. Test count in Russian 1234567890 1234567890 on top of the buzzer. This time read as adinka dvoika troika etc.	USB		(AB-EST)
4627	M21	17-10-2011	1430	PVO id "8"	CW		(AB)
4627	M21	26-10-2011	1624	Russian Air Defense	CW		(AB-EST)
4628	M21	19-10-2011	1914	Russian Air Defence "99?2314??0?????"	CW		(MPJ)
4631.0	M42	25-10-2011	2120	unid fsk 200Bd/1000 Hz	USB	Tue	(FMB)
4633.0	M42	13-10-2011	1920	unid 200Bd/500 Hz	RTTY	Thu	(FMB)
4767	M89	6-10-2011	1504	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //4982	CW		(JPL-HK)
4767	M89	6-10-2011	1527	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //4982	CW		(JPL-HK)
4767	M89	7-10-2011	1159	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4982	CW		(JPL-HK)
4767	M89	7-10-2011	1240	V HJ4I de YI4K	CW		(AB-HK)
4767	M89	7-10-2011	1533	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4982	CW		(JPL-HK)
4767	M89	7-10-2011	2117	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4982	CW		(JPL-HK)
4845	S06s	13-10-2011	1410	624 901 5 46062	USB		(FN)
4854	S21	4-10-2011	1842	454 443 34 etc. //4454 kHz	AM		(AB)
4854	S21	4-10-2011	1842	454 443 34	AM		(FN)
4854	S21	11-10-2011	1851	Russian O/M with 5F message after 443 34 ending with 000 // 4454 kHz	USB		(PPA)
4860	M89	3-10-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW		(JPL-HK)
4860	M89	3-10-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840	CW		(JPL-HK)
4860	M89	9-10-2011	1222	VVV (x3) Q2M (x3) DE NYZ (x2) (In progress) QSA ? K (Sun) //6840	CW		(JPL-HK)
4860	M89	9-10-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (Sun) //6840	CW		(JPL-HK)
4860	M89	28-10-2011	1423	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Fri) //6840	CW		(JPL-HK)
4860	M89	21-10-2011	2019	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //6840	CW		(JPL-HK)
4864	G06	3-10-2011	1712	Test: "123456789 123456789 12345"	AM		(AB)
4864	G06	3-10-2011	1800	439 439 439 00000	AM		(AB)
4864	G06	3-10-2011	1800	439 439 439 00000	AM		(FN)
4909	E11	1-10-2011	1445	267/00	USB		(AB)

frequency	enigma	date	UTC	remarks	mode	day	contributor
4909	E11	5-10-2011	1450	267/00, 2 min later: 287/00	USB		(FN)
4909	E11	8-10-2011	1445	267/00	USB		(AB)
4909	E11	8-10-2011	1445	287/00	USB		(FN)
4909	E11	13-10-2011	0900	248/00	USB		(FN)
4909	E11	13-10-2011	0900	248/00	USB	Thu	(HFD)
4909	E11a	29-10-2011	0900	243/34 attention 00135 35942 22004 72264 33143 ... 58289 out	USB		(Danix)
4909	E11a	29-10-2011	1440	280/38 attention 48129 76718 28343 69838 98504 ... 09058 out	USB		(Danix)
4909	S11a	3-10-2011	1355	254/32 V 57935 79409 34342 ... 98014	USB		(Danix)
4956	M45	4-10-2011	1802	555 443 34 etc. //4556 kHz	CW		(AB)
4956	M45	18-10-2011	1802	555	CW		(AB)
4956	M45	20-10-2011	1802	555 443 34 = 92211	CW		(FN)
4982	M89	1-10-2011	1158	V HJ4I (x3) DE YI4K (x2) Msg: MS7G GA NR 018/CCKCK 192 80 10 01 2000 BT BT U3.A 5430 ...	CW		(JPL-HK)
4982	M89	1-10-2011	1723	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	1-10-2011	1834	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	1-10-2011	1844	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	2-10-2011	1215	V HJ4I (x3) DE YI4K (x2) Long message. See N&O 169.	CW		(JPL-HK)
4982	M89	2-10-2011	1659	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Sun)	CW		(JPL-HK)
4982	M89	2-10-2011	2113	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Sun)	CW		(JPL-HK)
4982	M89	2-10-2011	2251	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Sun)	CW		(JPL-HK)
4982	M89	3-10-2011	1335	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Mon)	CW		(JPL-HK)
4982	M89	3-10-2011	1808	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Mon)	CW		(JPL-HK)
4982	M89	3-10-2011	2012	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Mon)	CW		(JPL-HK)
4982	M89	3-10-2011	2146	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Mon)	CW		(JPL-HK)
4982	M89	4-10-2011	1655	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Tue)	CW		(JPL-HK)
4982	M89	4-10-2011	1757	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Tue)	CW		(JPL-HK)
4982	M89	4-10-2011	1906	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Tue)	CW		(JPL-HK)
4982	M89	5-10-2011	1109	V HJ4I (x3) DE YI4K (x2) Msg sent - see N&O 169 //5207	CW		(JPL-HK)
4982	M89	5-10-2011	1551	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	5-10-2011	1551	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Wed)	CW		(JPL-HK)
4982	M89	5-10-2011	1620	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	5-10-2011	1620	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Wed)	CW		(JPL-HK)
4982	M89	5-10-2011	1726	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	5-10-2011	1726	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Wed)	CW		(JPL-HK)
4982	M89	5-10-2011	2121	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
4982	M89	5-10-2011	2121	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Wed)	CW		(JPL-HK)
4982	M89	6-10-2011	1056	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //5207	CW		(JPL-HK)
4982	M89	6-10-2011	1221	(In traffic) V HJ4I (x3) DE YI4K (x2) Multiple Msgs sent - see N&O 169	CW		(JPL-HK)
4982	M89	6-10-2011	1221	In traffic V HJ4I (x3) DE YI4K (x2). Multiple Msgs sent - see N&O 169	CW		(JPL-HK)
4982	M89	6-10-2011	1527	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //4767 - This is new // freq	CW		(JPL-HK)
4982	M89	6-10-2011	1904	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //4767	CW		(JPL-HK)
4982	M89	7-10-2011	1159	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4767	CW		(JPL-HK)
4982	M89	7-10-2011	1533	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4767	CW		(JPL-HK)
4982	M89	7-10-2011	2117	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri) //4767	CW		(JPL-HK)
5010	M42	28-10-2011	0557	Russian Gov/Intel.	RUS-ARQ 100/500		(PPA)
5020	M01	4-10-2011	2000	463 311 30 = etc.	CW		(AB)

frequency	enigma	date	UTC	remarks	mode	day	contributor
5020	M01	4-10-2011	2000	463 311 30 = 18690	CW		(FN)
5092	XPA2	4-10-2011	2010	msg	MFSK	Tue	(HFD)
5122	E06	9-10-2011	0135	E06 OM/EE "759"	AM		(Haz)
5122.0	E06	29-10-2011	0130	Russian Man	USB	Sat	(Saber)
5123.0	E06	2-10-2011	0134	ip	USB	Sun	(FMB)
5127	S06	6-10-2011	1905	349 0	AM	Thu	(HFD)
5132	S06	3-10-2011	1905	349 349 349 000000	AM		(FN)
5135.5	M32	26-10-2011	0127	RMP: Navy Kaliningrad "RJL99 DE RMP ZRK"	CW		(PPA)
5146	E07	13-10-2011	0430	188 188 188 000	AM		(FN)
5146	E07a	27-10-2011	0430	188 1 65552 750 85... repeat of October 5th	AM		(Danix)
5146	E07a	13-10-2011	0430	188 0	AM	Thu	(HFD)
5153.7	MX	23-10-2011	2242	Beacon "D"	CW		(MPJ)
5153.7	MX	25-10-2011	2204	Beacon "D"	CW		(WP3)
5153.9	MX	23-10-2011	2242	Beacon "S"	CW		(MPJ)
5153.9	MX	25-10-2011	2204	Beacon "S"	CW		(WP3)
5154	MX	25-10-2011	2204	Beacon "C"	CW		(WP3)
5154	MX	28-10-2011	1638	Beacon "C"	CW		(JPL-AUS)
5156.8	MX	23-10-2011	2245	Beacon "L"	CW		(MPJ)
5156.8	MX	25-10-2011	2237	Beacon "L"	CW		(AB)
5162.0	XPA	2-10-2011	0120	ip	MFSK-20	Sun	(FMB)
5164	E07a	26-10-2011	2020	815 1 65552 750 85... repeat of October 5th	AM		(Danix)
5164	E07a	12-10-2011	2020	815 0	AM	Wed	(HFD)
5197	E06	21-10-2011	2130	634 728 15 13878 92431 08432 78321 24568 03219 43872 46821 92843 08431 38724 95317 46523 80794 57326 00000	AM		(AB)
5197	M32	5-10-2011	1805	Presumed Ukrainian (military?) net. Opchat and passing of 5fg msgs, NCS URT51 on 5197, out stations URT58 and URT62 on 5196.9 and outstation URT53 and a unid one on 5197.1, sample traffic; "urt53 urt5	CW		(TJ)
5200.0	M21	2-10-2011	0119	ip	CW	Sun	(FMB)
5201	M21	6-10-2011	2003	Russian Air Defense	CW		(TJ)
5201	M21	8-10-2011	1859	Russian Air Defense =992301??0????? =992302??0????? =992303??0?????	CW		(PPA)
5201	M21	12-10-2011	2141	PVO =990144??0????? (UTC+4; 3 minutes off)	CW		(AB)
5201	M21	21-10-2011	0101	Russian air defence =99t5t4??t?????	CW		(PPA)
5201	M21	26-10-2011	2031	=990034??0????? =990035??0????? etc	CW		(Danix)
5207	M89	4-10-2011	1009	V HJ4I (x3) DE YI4K (x2) Msg sent - see below) (Cont'd)	CW		(JPL-HK)
5207	M89	4-10-2011	2222	V HJ4I (x3) DE YI4K (x2) (Cont'd) //4982	CW		(JPL-HK)
5207	M89	5-10-2011	1042	V HJ4I (x3) DE YI4K (x2) (Cont'd)	CW		(JPL-HK)
5207	M89	6-10-2011	1050	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Thu) //4982 beginning sometime between 1050 to 1056z	CW		(JPL-HK)
5207	M89	7-10-2011	0949	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri)	CW		(JPL-HK)
5207	M89	7-10-2011	1149	V HJ4I (x3) DE YI4K (x2) (Cont'd) (Fri)	CW		(JPL-HK)
5214	M12	12-10-2011	2120	826 826 826 000	CW		(AB)
5214	M12	5-10-2011	2120	826 0	CW	Wed	(HFD)
5230	M89	3-10-2011	1332	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
5230	M89	9-10-2011	1822	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
5240.0	M42	25-10-2011	2320	unid fsk 200Bd/1000 Hz	USB	Tue	(FMB)
5278	M89	2-10-2011	1703	V GKVZ (x3) DE Q7NW (x2) (Cont'd) //3297	CW		(JPL-HK)
5278	M89	5-10-2011	1033	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
5278	M89	5-10-2011	1033	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
5278	M89	7-10-2011	1148	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
5278	M89	7-10-2011	1531	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
5278	M89	9-10-2011	1225	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
5312	M32	30-9-2011	0346	Russian Mil. JTYE radio check with LCLJ	CW		(PPA)
5320	S06s	13-10-2011	1400	624 901 5 46062	USB		(FN)
5332	M89	29-10-2011	1735	OPN9 OPN9 OPN9 DE GYVR GYVR V	CW		(AtB)
5342	M32	24-10-2011	0159	Beacon "V"	CW		(ALF)
5345.0	M23	20-10-2011	1805	246	AM	Thu	(FMB)
5371.6	M32	7-10-2011	1840	CIS Mil: JGVZ duplex radio check with net control station 3W5R also YQKK and LNGE calling	CW		(PPA)
5382	M32	21-10-2011	0106	RJD99: Russian military. Duplex contact with RHP86	CW		(PPA)
5383	M12	3-10-2011	0500	379 1 676 95 09354...	CW		(Danix)
5406	S06	12-10-2011	2004	Russian O/M callup 134 => 562 38 => 5F message ending 562 38 00000	AM		(PPA)
5412	X06	20-10-2011	1913	Mazielka	AM		(Avare)
5417.0	V02a	7-10-2011	0002	Moderate signal	AM	Fri	(WK)
5426	S5426	17-10-2011	1455	Finara-55, Finara-55, Ya Arbat-50. 37 554 RUDAKOP 22 87 61 02. Ya Arbat-50. Priyom!	USB		(GW)
5426.0	M51	1-10-2011	0743	ip	MCW	Sat	(FMB)
5426.0	M51	19-10-2011	0017	24 WPM	CW	Wed	(Swan2)
5438	M32	19-10-2011	1813	Russian General Staff, strategic msg to collective "RDL"; "rdl 87t37 8613t k"	CW		(TJ)
5442	G06	14-10-2011	1930	947-632/14=13568	AM	Fri	(HFD)
5448	S30	1-10-2011	0436	Channel marker "the pip"	CW		(AB)
5448	S30	8-10-2011	0540	Channel marker Pip	CW		(AB)
5448	S30	14-10-2011	0414	Dlya ShchGJP 8CSchchJ TZLM FY5Ye F61N 37CN MUDR 7VNSchh Zh7NZh YMA5 kak slyshno? priyom	USB		(Danix)
5448	S30	19-10-2011	0353	Russian South Strategic command, Rostov na Donu, channel marker "The Pip"	CW		(TJ)
5449	VC05	28-9-2011	1300	Chinese station. YL calling 4301	USB		(westli)
5449	VC05	30-9-2011	1500	Chinese station. YL calling 4301	USB		(westli)
5474	M01	4-10-2011	1800	463	CW		(AB)
5474	M01	18-10-2011	1800	463	CW		(AB)
5474	M01	25-10-2011	1800	463	CW		(AB)
5475	M01	11-10-2011	1800	463 673 30 = 53506	CW		(FN)
5475	M01	20-10-2011	1800	463 134 30 = 94307	CW		(FN)
5500	M89	1-10-2011	2301	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	2-10-2011	1319	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	2-10-2011	1701	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	2-10-2011	2109	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	3-10-2011	2004	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	3-10-2011	2145	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	4-10-2011	1006	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	4-10-2011	1651	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	4-10-2011	2118	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	6-10-2011	1051	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 (Thu)	CW		(JPL-HK)
5500	M89	6-10-2011	1517	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 (Thu)	CW		(JPL-HK)
5500	M89	6-10-2011	1900	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 (Thu)	CW		(JPL-HK)
5500	M89	7-10-2011	1146	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	7-10-2011	1538	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	8-10-2011	1205	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	8-10-2011	1619	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	9-10-2011	1221	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
5500	M89	9-10-2011	1821	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	13-10-2011	1842	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	22-10-2011	1156	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	23-10-2011	1312	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-10-2011	1654	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-10-2011	1723	7npe 7npe 7npe de qv5b qv5b v	CW		(AtB)
5500	M89	23-10-2011	1957	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	28-10-2011	1335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	MX	23-10-2011	2236	V 7NPE de QV5B	CW		(MPJ)
5569	M32	29-10-2011	0402	LRH9: Russian military duplex radio check with BO1P and SXTY	CW		(PPA)
5708.2	M51	12-10-2011	0805	5LGs	CW		(ML4)
5730	S06	26-10-2011	1800	471 0	AM	Wed	(HFD)
5735	S06	5-10-2011	1800	471 471 471 00000	AM		(FN)
5736	M32	29-10-2011	0348	CQ4B: Russian military duplex radio check with net control KMKA, 4ZPZ and clg OKXQ	CW		(PPA)
5737	E11	2-10-2011	1240	349/00	USB		(FN)
5737	E11	4-10-2011	1240	348/30 43122	USB		(FN)
5737	E11	25-10-2011	1240	349/00	USB		(AB)
5743.0	XPA	2-10-2011	0110	ip	MFSK-20	Sun	(FMB)
5743.0	XPA	26-10-2011	0010	txt	MFSK-20	Wed	(FMB)
5743.0	XPA	26-10-2011	0110	(rpt 26 10 20210 00:00 ?)	MFSK-20	Wed	(FMB)
5744	M32	5-10-2011	0407	CIS Mil: NC8K clg 7CMW	CW		(PPA)
5752	M21	20-10-2011	1903	Russian Air Defence 992303??0?????	CW		(MPJ)
5752	M21	25-10-2011	2041	PVO. Time strings. Id "0"	CW		(AB)
5760	S06s	11-10-2011	0700	374 968 5 43746	USB		(FN)
5762	XPA	13-10-2011	0440	799 2 00620 00145 86076	MFSK-20		(FN)
5770	M42	12-10-2011	0626	Russian Gov/Intel.	Baudot 50/500		(TJ)
5775	M32	26-10-2011	0228	RCV: Navy Sevastopol "RIC87 DE RCV QTC"	CW		(PPA)
5780	M32	29-10-2011	0510	PD2J: Russian military radio check with HKFW and SK2W	CW		(PPA)
5782.0	E07	25-10-2011	0700		AM	Tue	(Fish)
5784	S06	17-10-2011	1900	349 00000 (R4)	AM		(AB)
5784	S06	31-10-2011	1900	349 349 349 00000	AM		(AB)
5787	S06	8-10-2011	1930	366 0	AM	Sat	(HFD)
5788	M12	5-10-2011	1740	463 1	CW	Wed	(HFD)
5800	M08a	28-10-2011	0600	Cuban DGI. 5F msg using cut numbers	CW		(PPA)
5800.0	M8a	16-10-2011	0600	35472 83061 54332	MCW	Sun	(BS3)
5800.0	M8a	17-10-2011	0600	18231 34242 12372	MCW	Mon	(BS3)
5805	S06s	25-10-2011	1240	278	USB		(AB)
5805	S06s	11-10-2011	1240	278	USB	Tue	(HFD)
5810	M01b	21-10-2011	1515	158	CW		(AB)
5810	M01b	14-10-2011	1515	158-450/30=68132	CW	Fri	(HFD)
5811	M01b	14-10-2011	1515	158 450 30 = 68132	CW		(FN)
5814	M12	5-10-2011	2100	826 0	CW	Wed	(HFD)
5815	G11	4-10-2011	1755	270/00	USB		(AB)
5815	G11	8-10-2011	1325	299/00	USB		(AB)
5815	G11	11-10-2011	1755	276/37 22...	USB		(FN)
5815	G11	18-10-2011	1755	270/00	USB		(AB)
5815	G11	21-10-2011	1325	299/35	USB		(AB)
5815	G11	21-10-2011	1325	299/35 55305 54463	USB		(FN)
5815	G11	22-10-2011	1325	299/35	USB		(AB)

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5815	G11	25-10-2011	1755	270/00	USB		(AB)
5815	G11	29-10-2011	1325	299/00 ende	USB		(AB)
5815	G11	29-10-2011	1325	299/00	USB		(Danix)
5815	G11	9-10-2011	1755	270/00	USB	Sun	(HFD)
5815	S11a	5-10-2011	1020	228/32 47237	USB		(FN)
5815	S11a	8-10-2011	1020	228/32 47237	USB		(FN)
5815	S11a	29-10-2011	1020	221/00 konec	USB		(Danix)
5825	G11	1-10-2011	1325	299/00	USB		(AB)
5825.0	XPA	3-10-2011	0320	ip	MFSK-20	Mon	(FMB)
5844.0	M42	13-10-2011	1910	unid 200Bd/500 Hz	RTTY	Thu	(FMB)
5846	E07	13-10-2011	0450	188 188 188 000	AM		(FN)
5846	E07a	27-10-2011	0450	188 1 65552 750 85... repeat of October 5th	AM		(Danix)
5846	E07a	13-10-2011	0450	188 0	AM	Thu	(HFD)
5862	M32	5-10-2011	0352	CIS Mil: 7MJL clg CRTI	CW		(PPA)
5864	E07a	26-10-2011	2000	815 1 65552 750 85... repeat of October 5th	AM		(Danix)
5864	E07a	12-10-2011	2000	815 0	AM	Wed	(HFD)
5864	G06	12-10-2011	1200	439 439 439 00000	AM		(FN)
5883.0	V02a	16-10-2011	0700	81152 85711 85352	AM	Sun	(BS3)
5883.0	V02a	17-10-2011	0700	28411 28412 48801	AM	Mon	(BS3)
5883.0	V02a	25-10-2011	0710		USB	Tue	(Fish)
5890	S06	11-10-2011	1800	286	AM	Tue	(HFD)
5892	XPA2	4-10-2011	1950	msg	MFSK	Tue	(HFD)
5898	M08a	29-10-2011	0500	Cuban DGI. 5F msg using cut numbers	CW		(PPA)
5898.0	M08a	8-10-2011	0509		MCW	Sat	(CICA)
5898.0	M8a	16-10-2011	0500	35472 83061 54332	MCW	Sun	(BS3)
5898.0	M8a	17-10-2011	0500	18231 34242 12372	MCW	Mon	(BS3)
5898.0	M8a	24-10-2011	0500	26021 51401 78402	MCW	Mon	(BCA)
5898.0	V02a	4-10-2011	0800	Very strong signal	AM	Tue	(WK)
5898.0	V02a	16-10-2011	0800	81152 85711 85352	AM	Sun	(BS3)
5940	M01b	13-10-2011	1505	159 450 30 = 68132	CW		(FN)
5989.0	V02	7-10-2011	0008	Loud and clear	AM	Fri	(WK)
6120.9	M21	22-10-2011	1857	=99?2245?9?????	CW		(JRa)
6249	XSL	11-10-2011	1307	Japanese XSL in message mode	PSK		(quan)
6261	M01	8-10-2011	1500	436	CW		(AB)
6261	M01b	15-10-2011	1500	463 324 30 = 82555	CW		(FN)
6304	E11a	3-10-2011	0450	412/33...	USB		(Danix)
6326	VC05	29-8-2011		Chinese station. YL calling 3596	USB		(westli)
6326	VC05	10-10-2011	1300	Chinese oddity station with YL repeating message	USB		(BCA)
6326	VC05	10-10-2011	1300	Chinese oddity station with YL repeating message	USB		(westli)
6326	VC05	14-10-2011	1302	Chinese repeating callsign station read by Chinese male voice.	USB		(BCA)
6326	VC05	14-10-2011	1302	Unid Chinese numbers station	USB		(BCA)
6326	VC05	14-10-2011	1302	Chinese numbers station	USB		(westli)
6326	VC05	15-10-2011	1305	Chinese repeating oddity station w/ YL voice message	USB		(BCA)
6326	VC05	15-10-2011	1305	Unid Chinese numbers station	USB		(BCA)
6326	VC05	15-10-2011	1305	Chinese numbers station	USB		(westli)
6326	VC05	16-10-2011	1302	Unid repeating Chinese oddity station read by male voice.	USB		(BCA)
6326	VC05	16-10-2011	1302	Chinese oddity station read by male voice.	USB		(westli)
6326	VC05	17-10-2011	0900	Chinese oddity station. YL calling 7184	USB		(westli)
6326	VC05	17-10-2011	1000	Chinese oddity station. Male calling 7184, but it was not repeated calls. It sounded like live calling	USB		(westli)

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				with a push-to-talk mic. He got a reply back, but it was very weak.			
6326	VC05	17-10-2011	1100	A male operator passing repeated calls to 7184 just like the female was at 0900 UTC. Sounds like he was making a time-hack at the end, but it was cut off when my recording stopped.	USB		(westli)
6326	VC05	17-10-2011	1200	4751 and 7184 working. Only the calls were readable.	USB		(westli)
6326	VC05	17-10-2011	1300	Instead of recorded calling, 7184 was called by a male op who had a pretty good signal. Another guy who wasn't as strong either sent 7184 the group 800 or was using 800 for a callsign.	USB		(westli)
6326	VC05	17-10-2011	1304	Chinese oddity station w/ male repeating message and other people also heard talking in background	USB		(BCA)
6326	VC05	17-10-2011	1400	Possible digital transmission (not sure if it is related)	USB		(westli)
6326	VC05	17-10-2011	1500	Female calling 7184 like a recording.	USB		(westli)
6326	VC05	17-10-2011	1600	Possible digital transmission (not sure if it is related). Voice transmissions seem to stop after 1500 UTC.	USB		(westli)
6326	VC05	18-10-2011	1100	Female calling 7184.	USB		(westli)
6326	VC05	18-10-2011	1300	Female calling 7184.	USB		(westli)
6326	VC05	18-10-2011	1400	Possible digital transmissions.	USB		(westli)
6326	VC05	18-10-2011	1500	Female calling 7184.	USB		(westli)
6326	VC05	18-10-2011	1600	Possible digital transmissions.	USB		(westli)
6326	VC05	19-10-2011	0900	Female calling 7380	USB		(westli)
6326	VC05	19-10-2011	1100	Female calling 7380	USB		(westli)
6326	VC05	19-10-2011	1300	Female calling 7380	USB		(westli)
6326	VC05	19-10-2011	1400	Sounded like a couple of male operators. One passed possible op-codes 7007 0005	USB		(westli)
6326	VC05	19-10-2011	1500	Female calling 7380	USB		(westli)
6326.0	VC05	13-10-2011	1305	Chinese female voice repeating callsign, and finishing with time stamp	USB	Thu	(CICA)
6379	M22	21-10-2011	2131	4XZ. Israeli Navy //2680//4331/6379	CW		(AB)
6415	S06s	5-10-2011	1210	481 920 5 77145	USB		(FN)
6417	XSL	5-10-2011	1334	and some digital mode over it.	PSK	Wed	(KJ6BBS)
6417.5	XSL	12-10-2011	1927	tfc and idling periods	PSK		(FN)
6433	E11	2-10-2011	1050	127/00	USB		(FN)
6433	E11	3-10-2011	1050	127/00	USB		(FN)
6433	G11	21-10-2011	2000	262/00	USB		(AB)
6433	G11	30-10-2011	2000	262/00	USB		(AB)
6445	XSL	5-10-2011	1339	solid signal.	PSK	Wed	(KJ6BBS)
6445.5	XSL	12-10-2011	1925	tfc	PSK		(FN)
6464	S06s	11-10-2011	1500	537 201 6 66121	USB		(FN)
6464	S06s	25-10-2011	1500	537 ..8 6	USB		(AB)
6508	M01	16-10-2011	0700	463	CW	Sun	(HFD)
6509	M01b	9-10-2011	0700	463 37757 97759 ... 63324 = 236 30 000	CW		(FN)
6510	M14	2-10-2011	0700	463 msg hardly readable ends 000	CW		(AB)
6766.0	V02a	10-10-2011	0404	Weak and broken transmission.	AM	Mon	(CICA)
6769	M32	15-10-2011	1803	RLA88: Russian Navy Vessel clg RMP (Baltic Sea Fleet HQ Kaliningrad).	CW		(ALF)
6773	M89	1-10-2011	2302	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW		(JPL-HK)
6773	M89	4-10-2011	1004	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW		(JPL-HK)
6773	M89	5-10-2011	1037	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW		(JPL-HK)
6773	M89	5-10-2011	1037	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040 (Wed)	CW		(JPL-HK)

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6773	M89	7-10-2011	0952	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW		(JPL-HK)
6773	M89	22-10-2011	1200	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW		(JPL-HK)
6774	G06	3-10-2011	0800	215 215 215 222222	AM		(FN)
6774	G06	3-10-2011	0800	215 0	AM	Mon	(HFD)
6778.0	XPA	25-10-2011	2310	txt	MFSK-20	Tue	(FMB)
6783	S06	12-10-2011	1820	632 00000	AM		(MUK)
6797	E07	2-10-2011	0030	759 261 30 17725 63707 83983 76468 261 30 00000	AM		(Dan)
6797.0	E06	2-10-2011	0030	weak signal, faded out around 0039 UTC	AM	Sun	(IP-POL)
6797.0	E06	2-10-2011	0030	Russian Man	USB	Sun	(Saber)
6797.0	E06	9-10-2011	0030	Russian Man	USB	Sun	(Saber)
6797.0	E06	29-10-2011	0030	strong signal	USB	Sat	(IP-POL)
6797.0	E06	29-10-2011	0030	Russian Man, completely inaudible. Sounded like a party in the background...	USB	Sat	(Saber)
6797.0	E06	30-10-2011	0030	strong signal	USB	Sun	(IP-POL)
6797.0	E06	30-10-2011	0030	strong signal but faded out	AM	Sun	(IP-POL)
6798.0	E06	2-10-2011	0030	759...	USB	Sun	(FMB)
6802	M12	5-10-2011	1720	463 1	CW	Wed	(HFD)
6809	MX	20-10-2011	0039	Beacon "V"	CW		(TJ)
6809	MX	21-10-2011	2046	Beacon "V"	CW		(AB)
6809	MX	25-10-2011	2238	Beacon "V"	CW		(AB)
6814	E11	20-10-2011	0820	438/00] FN THU	USB		(FN)
6818.0	m51	23-10-2011	0017	In progres	CW	Sun	(Swan2)
6818.05	M51	23-10-2011	2140	Nr 29 O 25 23:39:17 1983 BT QTWFR GWIFS ...	CW		(MPJ)
6822	M41	18-10-2011	0936	PVO/Russian Air Defense tracks ending by minute "338850136 85014065761638 85014065764640 ...".	CW		(ALF)
6825	M51	12-10-2011	0843	FAV22 5LGs	CW		(ML4)
6825	M51	18-10-2011	0833	FAV22 testing	CW		(ML4)
6830	S06s	3-10-2011	1610	176 980 5 55463 58078 65470 85204 25743 980 5 00000 At 1606 UTC 1x "176"	USB		(AB)
6830	S06s	3-10-2011	1610	176 980 5 55463	USB		(FN)
6835	M12	4-10-2011	1230	186 1 1974 56	CW		(FN)
6840	M89	3-10-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //4860	CW		(JPL-HK)
6840	M89	3-10-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //4860	CW		(JPL-HK)
6840	M89	7-10-2011	0122	VVV (x3) Q2M (x3) DE NYZ (x2) (In progress) QSA ? K (Fri) //10640	CW		(JPL-HK)
6840	M89	8-10-2011	1720	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //10640	CW		(JPL-HK)
6840	M89	9-10-2011	1222	VVV (x3) Q2M (x3) DE NYZ (x2) (In progress) QSA ? K (Sun) //4860	CW		(JPL-HK)
6840	M89	9-10-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (Sun) //4860	CW		(JPL-HK)
6840	M89	12-10-2011	1920	vvv Q2M Q2M Q2M de NYZ NYZ NYZ	CW		(FN)
6840	M89	28-10-2011	1423	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Fri) //4860	CW		(JPL-HK)
6840	M89	21-10-2011	2019	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //4860	CW		(JPL-HK)
6855.0	V02a	10-10-2011	0325		LSB	Mon	(CICA)
6867	XPA	4-10-2011	1440	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
6867	XPA	11-10-2011	1440	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
6868.5	M32	12-10-2011	0210	Russian Mil: "XXX XXX V9VY V9VY GARPUN 2222" into cfm-tfc/OP-chat like "DE SKQ8 R XXX GARPUN 2222 k"	CW		(ALF)

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6904	M12	3-10-2011	1740	257 1	CW	Mon	(HFD)
6904	M12	3-10-2011	1840	257 1	CW	Mon	(HFD)
6904	M12	3-10-2011	1940	257 1	CW	Mon	(HFD)
6904.0	M12	17-10-2011	1740	Fair XJT	CW	Mon	(SWL1409)
6911.5	M21	22-10-2011	0520	Russian air defence =99t92t??8?????	CW		(PPA)
6926.0	M42	25-10-2011	2110	unid fsk 200Bd/1000 Hz	USB	Tue	(FMB)
6930	S06s	11-10-2011	0715	374 968 5 43746	USB		(FN)
6930	S6930	26-8-2011	0605	Katok65 85 216 Lessorub 24 38 45 6	USB		(priyom)
6930	S6930	26-8-2011	2001	Katok65 16 221 Dremota 78 71 30 26	USB		(priyom)
6930	S6930	30-8-2011	1625	?? 445 ANTIPATIYA 21 79 99 34 Pryom	USB		(priyom)
6930	S6930	3-9-2011	1548	Katok65 51 377 Galstuk 46 59 38 58 Pryom	USB		(priyom)
6930	S6930	9-9-2011	1500		USB		(Scansw)
6930	S6930	9-9-2011	1604		USB		(Scansw)
6930	S6930	9-9-2011	1807		USB		(Scansw)
6930	S6930	10-9-2011	0730		USB		(Scansw)
6930	S6930	10-9-2011	0853		USB		(Scansw)
6930	S6930	10-9-2011	0903		USB		(Scansw)
6930	S6930	10-9-2011	2105		USB		(Scansw)
6930	S6930	12-9-2011	0839		USB		(Scansw)
6930	S6930	12-9-2011	0924		USB		(Scansw)
6930	S6930	12-9-2011	0957		USB		(Scansw)
6930	S6930	12-9-2011	1121		USB		(Scansw)
6930	S6930	12-9-2011	1201		USB		(Scansw)
6930	S6930	12-9-2011	1351		USB		(Scansw)
6930	S6930	12-9-2011	1504		USB		(Scansw)
6930	S6930	12-9-2011	1559		USB		(Scansw)
6930	S6930	12-9-2011	1741		USB		(Scansw)
6930	S6930	12-9-2011	1908		USB		(Scansw)
6930	S6930	13-9-2011	0914		USB		(Scansw)
6930	S6930	13-9-2011	1024		USB		(Scansw)
6930	S6930	13-9-2011	1058		USB		(Scansw)
6930	S6930	13-9-2011	1348		USB		(Scansw)
6930	S6930	13-9-2011	1440		USB		(Scansw)
6930	S6930	13-9-2011	1602		USB		(Scansw)
6930	S6930	13-9-2011	1858		USB		(Scansw)
6930	S6930	14-9-2011	0730		USB		(Scansw)
6930	S6930	14-9-2011	0808		USB		(Scansw)
6930	S6930	14-9-2011	0913		USB		(Scansw)
6930	S6930	14-9-2011	0959		USB		(Scansw)
6930	S6930	14-9-2011	1048		USB		(Scansw)
6930	S6930	14-9-2011	1129		USB		(Scansw)
6930	S6930	14-9-2011	1258		USB		(Scansw)
6930	S6930	14-9-2011	1518		USB		(Scansw)
6930	S6930	14-9-2011	1629		USB		(Scansw)
6930	S6930	14-9-2011	1739		USB		(Scansw)
6930	S6930	14-9-2011	1911		USB		(Scansw)
6930	S6930	15-9-2011	0713		USB		(Scansw)
6930	S6930	15-9-2011	0828		USB		(Scansw)
6930	S6930	15-9-2011	0928		USB		(Scansw)
6930	S6930	15-9-2011	1009		USB		(Scansw)
6930	S6930	15-9-2011	1048		USB		(Scansw)
6930	S6930	15-9-2011	1158		USB		(Scansw)

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6930	S6930	15-9-2011	1511		USB		(Scansw)
6930	S6930	15-9-2011	1549		USB		(Scansw)
6930	S6930	15-9-2011	1628		USB		(Scansw)
6930	S6930	15-9-2011	1857		USB		(Scansw)
6930	S6930	16-9-2011	0718		USB		(Scansw)
6930	S6930	16-9-2011	0813		USB		(Scansw)
6930	S6930	16-9-2011	0858		USB		(Scansw)
6930	S6930	16-9-2011	1000		USB		(Scansw)
6930	S6930	16-9-2011	1037		USB		(Scansw)
6930	S6930	16-9-2011	1358		USB		(Scansw)
6930	S6930	16-9-2011	1512		USB		(Scansw)
6930	S6930	16-9-2011	1557		USB		(Scansw)
6930	S6930	16-9-2011	1832		USB		(Scansw)
6930	S6930	17-9-2011	0719		USB		(Scansw)
6930	S6930	17-9-2011	0909		USB		(Scansw)
6930	S6930	17-9-2011	0957		USB		(Scansw)
6930	S6930	17-9-2011	1040		USB		(Scansw)
6930	S6930	17-9-2011	1124		USB		(Scansw)
6930	S6930	17-9-2011	1305		USB		(Scansw)
6930	S6930	17-9-2011	1357		USB		(Scansw)
6930	S6930	17-9-2011	1500		USB		(Scansw)
6930	S6930	17-9-2011	1636		USB		(Scansw)
6930	S6930	17-9-2011	1745		USB		(Scansw)
6930	S6930	18-9-2011	0606	Katok65 28 285 PODKOP 84 91 45 71	USB		(priyom)
6930	S6930	18-9-2011	0707	Katok65 40 026 ASTRA 57 01 11 62	USB		(scsw-gw)
6930	S6930	18-9-2011	0812	Katok65 93 544 RASTRATA 53 42 16 30	USB		(scsw-gw)
6930	S6930	18-9-2011	0917	Katok65 38 373 SOTOVARISHch 28 24 52 05	USB		(scsw-gw)
6930	S6930	18-9-2011	1259	Katok65 28 161 TVYeRD'MYa 83 42 07 15	USB		(scsw-gw)
6930	S6930	18-9-2011	1602	Katok65 49 288 HLOPUSHKA 52 92 13 98	USB		(scsw-gw)
6930	S6930	19-9-2011	0548	Katok65 87 200 EKVIVALYeNT 76 73 68 26	USB		(scsw-gw)
6930	S6930	19-9-2011	0624	Test count	USB		(Scansw)
6930	S6930	19-9-2011	0624	123456789 repeated	USB		(scsw-gw)
6930	S6930	19-9-2011	0641	Roza15 41 263 UPROShchYeNIYe 85 60 41 98	USB		(scsw-gw)
6930	S6930	19-9-2011	0713	123456789 repeated	USB		(scsw-gw)
6930	S6930	19-9-2011	0757	Kaptal27 34 901 TYeCh' 57 56 94 14	USB		(scsw-gw)
6930	S6930	19-9-2011	0907	Baska31 75 259 EKSPROMT 62 23 79 33	USB		(scsw-gw)
6930	S6930	19-9-2011	1102	Katok65 13 451 EFYeDRIN 29 23 51 10	USB		(scsw-gw)
6930	S6930	19-9-2011	1227	Lazer21 73 736 YuMORIST 78 48 24 31	USB		(scsw-gw)
6930	S6930	19-9-2011	1430	Katok65 37 619 VOLChICA 50 09 82 77	USB		(scsw-gw)
6930	S6930	20-9-2011	0527	Katok65 22 724 BALKON 56 14 62 16	USB		(scsw-gw)
6930	S6930	20-9-2011	0626	Test count	USB		(Scansw)
6930	S6930	20-9-2011	0642	Test count	USB		(Scansw)
6930	S6930	20-9-2011	0703	Katok65 49 322 KORTIK 96 61 56 84	USB		(scsw-gw)
6930	S6930	20-9-2011	0757	Test count	USB		(Scansw)
6930	S6930	20-9-2011	1057	Katok65 35 844 VARIACIYa 26 63 60 88	USB		(scsw-gw)
6930	S6930	20-9-2011	1156	Test count	USB		(Scansw)
6930	S6930	20-9-2011	1306	Katok65 46 148 DOVYeRYeNNOST' 26 68 74 48	USB		(scsw-gw)
6930	S6930	20-9-2011	1412	Katok65 11 852 ZhALYuZI 57 92 81 71	USB		(scsw-gw)
6930	S6930	20-9-2011	1611	Katok65 66 048 DAMKA 11 24 33 71	USB		(scsw-gw)
6930	S6930	21-9-2011	0527	Message	USB		(Scansw)
6930	S6930	21-9-2011	0720	Message	USB		(Scansw)
6930	S6930	21-9-2011	0929	Message	USB		(Scansw)

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6930	S6930	21-9-2011	1059	Message	USB		(Scansw)
6930	S6930	21-9-2011	1256	Message	USB		(Scansw)
6930	S6930	21-9-2011	1406	Message	USB		(Scansw)
6930	S6930	21-9-2011	1602	Message	USB		(Scansw)
6930	S6930	29-9-2011	0926	Message	USB		(Scansw)
6930	S6930	29-9-2011	1227	Message	USB		(Scansw)
6930	S6930	29-9-2011	1410	Message	USB		(Scansw)
6930	S6930	30-9-2011	0855	Message	USB		(Scansw)
6930	S6930	30-9-2011	1203	Message	USB		(Scansw)
6930	S6930	1-10-2011	0739	Message	USB		(Scansw)
6930	S6930	1-10-2011	1057	Test count	USB		(Scansw)
6930	S6930	1-10-2011	1101	Test count	USB		(Scansw)
6930	S6930	1-10-2011	1221	Test count	USB		(Scansw)
6930	S6930	1-10-2011	1356	Test count	USB		(Scansw)
6930	S6930	1-10-2011	1642	Message	USB		(Scansw)
6930	S6930	2-10-2011	0610	Message	USB		(Scansw)
6930	S6930	2-10-2011	0921	Message	USB		(Scansw)
6930	S6930	2-10-2011	1121	Message	USB		(Scansw)
6930	S6930	2-10-2011	1356	Message	USB		(Scansw)
6930	S6930	2-10-2011	1606	Message	USB		(Scansw)
6930	S6930	3-10-2011	0543	Message	USB		(Scansw)
6930	S6930	3-10-2011	0631	Test count	USB		(Scansw)
6930	S6930	3-10-2011	0731	Test count	USB		(Scansw)
6930	S6930	3-10-2011	0823	Test count	USB		(Scansw)
6930	S6930	3-10-2011	1101	Message	USB		(Scansw)
6930	S6930	3-10-2011	1427	Message	USB		(Scansw)
6930	S6930	3-10-2011	1607	Message	USB		(Scansw)
6930	S6930	4-10-2011	0723	Message	USB		(Scansw)
6930	S6930	4-10-2011	0915	Test count	USB		(Scansw)
6930	S6930	4-10-2011	1213	Test count	USB		(Scansw)
6930	S6930	4-10-2011	1314	Test count	USB		(Scansw)
6930	S6930	4-10-2011	1554	Message	USB		(Scansw)
6930	S6930	5-10-2011	0552	Test count	USB		(Scansw)
6930	S6930	5-10-2011	0732	Test count	USB		(Scansw)
6930	S6930	5-10-2011	0910	Test count	USB		(Scansw)
6930	S6930	5-10-2011	1109	Test count	USB		(Scansw)
6930	S6930	5-10-2011	1404	Message	USB		(Scansw)
6930	S6930	5-10-2011	1602	Message	USB		(Scansw)
6930	S6930	6-10-2011	0525	Test count	USB		(Scansw)
6930	S6930	6-10-2011	0632	Test count	USB		(Scansw)
6930	S6930	6-10-2011	0752	Test count	USB		(Scansw)
6930	S6930	6-10-2011	0925	Test count	USB		(Scansw)
6930	S6930	6-10-2011	1109	Test count	USB		(Scansw)
6930	S6930	6-10-2011	1318	Message	USB		(Scansw)
6930	S6930	6-10-2011	1616	Message	USB		(Scansw)
6930	S6930	7-10-2011	0553	Test count	USB		(Scansw)
6930	S6930	7-10-2011	0747	Test count	USB		(Scansw)
6930	S6930	7-10-2011	0921	Test count	USB		(Scansw)
6930	S6930	7-10-2011	1337	Message	USB		(Scansw)
6930	S6930	7-10-2011	1614	Message	USB		(Scansw)
6930	S6930	8-10-2011	0522	Message	USB		(Scansw)
6930	S6930	8-10-2011	1131	Message	USB		(Scansw)

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6930	S6930	8-10-2011	1635	Message	USB		(Scansw)
6930	S6930	9-10-2011	0803	Test count	USB		(Scansw)
6930	S6930	11-10-2011	1123	Message	USB		(Scansw)
6930	S6930	11-10-2011	1606	Message	USB		(Scansw)
6930	S6930	12-10-2011	1112	Message	USB		(Scansw)
6930	S6930	12-10-2011	1551	Message	USB		(Scansw)
6930	S6930	13-10-2011	0549	Message	USB		(Scansw)
6930	S6930	13-10-2011	0716	Test count	USB		(Scansw)
6930	S6930	13-10-2011	0913	Test count	USB		(Scansw)
6930	S6930	13-10-2011	1614	Message	USB		(Scansw)
6930	S6930	14-10-2011	0549	Test count	USB		(Scansw)
6930	S6930	14-10-2011	0707	Message	USB		(Scansw)
6930	S6930	14-10-2011	0801	Test count	USB		(Scansw)
6930	S6930	14-10-2011	1305	Message	USB		(Scansw)
6930	S6930	14-10-2011	1616	Message	USB		(Scansw)
6930	S6930	15-10-2011	0616	Message	USB		(Scansw)
6930	S6930	15-10-2011	0828	Test count	USB		(Scansw)
6930	S6930	16-10-2011	1559	Message	USB		(Scansw)
6930	S6930	17-10-2011	0600	Test count	USB		(Scansw)
6930	S6930	17-10-2011	0816	Test count	USB		(Scansw)
6930	S6930	17-10-2011	1141	Message	USB		(Scansw)
6930	S6930	17-10-2011	1316	Test count	USB		(Scansw)
6930	S6930	18-10-2011	0540	Test count	USB		(Scansw)
6930	S6930	18-10-2011	0712	Message	USB		(Scansw)
6930	S6930	18-10-2011	0800	Test count	USB		(Scansw)
6930	S6930	18-10-2011	1210	Message	USB		(Scansw)
6930	S6930	18-10-2011	1558	Message	USB		(Scansw)
6930	S6930	19-10-2011	0846	Message	USB		(Scansw)
6930	S6930	19-10-2011	1557	Message	USB		(Scansw)
6930	S6930	20-10-2011	0720	Message	USB		(Scansw)
6930	S6930	22-10-2011	1603	Message	USB		(Scansw)
6930	S6930	22-10-2011	1603	Message	USB		(Scansw)
6936	M32	12-10-2011	1956	CIS Mil: "bk QSA1 QAA1 rpt aa 24 k"; "GLGI de YNSF as".	CW		(ALF)
6940.0	XM	27-10-2011	2012	Backwards Music Station In Progress!!	USB	Thu	(Spec)
6942.0	XM	28-10-2011	1740	Whales in progress.	LSB	Fri	(SWL1409)
6948	M32	20-10-2011	0902	RIT: Russian Navy Northern Fleet, Severomorsk RC, ongoing "radio prognoz" bcasts adressed to collective RLO	CW		(TJ)
6948	M32	20-10-2011	1355	RIT: Baltic Fleet HQ 1355 CW XXX XXX XXX RLO AMFEBI- ...RM W. 65060 1...6 K. Weak. Naval frequency.	CW		(MPJ)
6962	XPA	6-10-2011	0506	Polytone in progress	MFSK-20		(haz)
6962	XPA	13-10-2011	0500	799 2 00620 00145 86076	MFSK-20		(FN)
6962.0	XPA	3-10-2011	0310	ip	MFSK-20	Mon	(FMB)
6963	M32	19-10-2011	0406	4D6R: Russian military "DE 4D6R QTC 515 26 19 0750 515 = 146 ="	CW		(PPA)
6977	M03	1-10-2011	1140	786/00 = = 000 "VVV" at 1133 UTC.	CW		(AB)
6977	M03	4-10-2011	1140	786/00	CW		(FN)
6977	M03	8-10-2011	1140	786/00	CW		(FN)
6977	M03	22-10-2011	1140	781/28 = = 5FGs 000. At 1133 UTC "VVV"	CW		(AB)
6977	M03	25-10-2011	1535	790/38	CW		(AB)
6977	M03	29-10-2011	1140	786/00 = = 0 0 0	CW		(Danix)

frequency	enigma	date	UTC	remarks	mode	day	contributor
6982	M22	6-10-2011	1722	4XZ: Navy Haifa VVV DE 4XZ 4XZ	CW		(PPA)
6982.0	M22	5-10-2011	2223	vvv de 4xz	MCW	Wed	(FMB)
6983.0	XPA	2-10-2011	0103	ip	MFSK-20	Sun	(FMB)
6983.0	XPA	26-10-2011	0000	txt	MFSK-20	Wed	(FMB)
6983.0	XPA	26-10-2011	0100	(rpt 26 10 20210 00:00 ?)	MFSK-20	Wed	(FMB)
6992	XPA2	4-10-2011	1930	msg	MFSK	Tue	(HFD)
7038.8	MX	22-10-2011	0949	Beacon "P"	CW		(AB)
7038.8	MX	28-10-2011	1630	Beacon "P"	CW		(JPL-AUS)
7039	MX	28-10-2011	1630	Beacon "C"	CW		(JPL-AUS)
7039	MX	28-10-2011	1630	Beacon "D"	CW		(JPL-AUS)
7041.8	MX	8-10-2011	0754	Beacon "L"	CW		(AB)
7041.8	MX	22-10-2011	0949	Beacon "L"	CW		(AB)
7117	M32	11-10-2011	1340	Russian General Staff strategic msg to collective REA4 //7998 kHz	CW		(TJ)
7117	M32	20-10-2011	1340	REA4: Russian Strategic Air Bcast. REA4 REA4 = 20130 23672 ... 10176 88500 = REA4 K. //7998	CW		(MPJ)
7120	S06s	5-10-2011	1200	481 920 5 77145	USB		(FN)
7242	S06s	11-10-2011	1510	537 201 6 66121	USB		(FN)
7260	S06s	19-10-2011	1230	967 813 5 99578	USB		(FN)
7317	G11	3-10-2011	0940	278/30 26970 45644	USB		(FN)
7317	G11	3-10-2011	0940	278/30 A 26970 45644 61773	USB		(HS2)
7317	G11	13-10-2011	0940	275/00	USB		(FN)
7317	S11a	21-10-2011	0915	484/00	USB		(AB)
7335	S06s	19-10-2011	0730	745 910 6 34682	USB		(FN)
7385	S06s	13-10-2011	1240	314 592 6 46215	USB		(FN)
7449	E11	5-10-2011	1045	469/38 63692	USB		(FN)
7449	E11	11-10-2011	1045	469/00	USB		(FN)
7462	XPA	4-10-2011	1940	Msg 304 1 00994 00085	MFSK-20		(AB)
7462	XPA	4-10-2011	1940	304 1 00994 00085 29558 ... 66357 +++++	MFSK-20		(FN)
7462	XPA	4-10-2011	1940	msg	MFSK-20	Tue	(HFD)
7463	M12	19-10-2011	1540	839 1 437 189 95600	CW		(FN)
7467	XPA	4-10-2011	1420	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
7467	XPA	11-10-2011	1420	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
7508	V13	18-10-2011	0500	New Star	USB		(AB-HK)
7580	V13	12-10-2011	1300	New Star	USB		(IB)
7580	V13	14-10-2011	1300	New Star	USB		(token)
7580	V13	15-10-2011	0500	New Star. Flute tune followed by coded messages	USB		(AB-HK)
7580	V13	15-10-2011	0600	New Star. Flute tune followed by coded messages	USB		(AB-HK)
7580	V13	17-10-2011	0500	New Star very weak and QRM from M89	USB		(AB-HK)
7580	V13	17-10-2011	0600	New Star very weak and QRM from M89	USB		(AB-HK)
7580	V13	19-10-2011	0502	New Star barely audible	USB		(AB-HK)
7580	V13	21-10-2011	0500	New Star barely audible	USB		(AB-HK)
7580	V13	21-10-2011	0618	New Star barely audible	USB		(AB-HK)
7580	V13	22-10-2011	0500	New Star, barely audible	USB		(AB-HK)
7580	V13	22-10-2011	0609	New Star, barely audible	USB		(AB-HK)
7580	V13	22-10-2011	1300	New Star. Flute tone + coded messages	USB		(AB)
7580	V13	25-10-2011	0700	New Star very weak	USB		(AB-HK)
7580	V13	27-10-2011	0515	New Star in progress	USB		(AB-HK)
7582	M89	1-10-2011	0138	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	1-10-2011	0138	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	2-10-2011	0247	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	2-10-2011	0247	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
7582	M89	3-10-2011	0205	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	4-10-2011	0210	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	5-10-2011	1030	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	5-10-2011	1030	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110 (Wed)	CW		(JPL-HK)
7582	M89	7-10-2011	0121	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	7-10-2011	0953	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	14-10-2011	0700	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
7582	M89	17-10-2011	0500	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
7582	M89	17-10-2011	0600	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
7582	M89	19-10-2011	0502	QV5B barely audible	CW		(AB-HK)
7582	M89	19-10-2011	0618	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
7582	M89	22-10-2011	2355	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
7582	M89	23-10-2011	0111	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
7582	M89	25-10-2011	0700	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
7582	M89	21-10-2011	1321	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	1-10-2011	2309	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-AFS)
7602	M89	4-10-2011	2219	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	19-10-2011	1440	v DKG6 DKG6 DKG6 de 3A7D 3A7D 3A7D	CW		(FN)
7605	S06s	12-10-2011	0820	471 803 5 99355	USB		(FN)
7612	S06	15-10-2011	1605	134 562 38 87812	USB		(FN)
7620	S06s	5-10-2011	1230	967 802 5 49471	USB		(FN)
7735.0	XPA	3-10-2011	0300	ip	MFSK-20	Mon	(FMB)
7744	M32	17-10-2011	1911	WMGV: Russian military "CZF7 CZF7 QTC AR WMGV 142 16 17 2306 142 = 66T ="	CW		(PPA)
7761.0	S06	25-10-2011	2117	621(R3) 485 485 92 92 86476(x2)...	USB	Tue	(FMB)
7795	S06s	14-10-2011	0700	196 807 5 46570	USB		(FN)
7795	S06s	21-10-2011	0700	196	USB		(AB)
7795	S06s	14-10-2011	0700	196-807/5=46570	USB	Fri	(HFD)
7821.0	M42	25-10-2011	2313	unid fsk 200Bd/1000 Hz	USB	Tue	(FMB)
7859	M32	26-10-2011	0455	CIS/Russian Military "UEZN UEZN UEZN QTC ZYG ar" into 5LGs QTC "1RPV 1RPC 1RPC 258 20 26 0846 258 = ZYG 416 = DDDDD ... " into OP-chat with many stations	CW		(Alf)
7861	M32	30-9-2011	1805	Russian Mil. RAL2 check with RHW2	CW		(PPA)
7861	M32	23-10-2011	1800	RBL7 wkg RAL2	CW		(AtB)
7861	M32	30-10-2011	1800	Russian Mil: RAL2 working with RHW2, RBL71, RDU2, RF52	CW		(AtB)
7890	VC01	13-10-2011	1026	Chinese Robot	USB		(AB-HK)
7890	VC01	27-10-2011	0520	Chinese Robot	USB		(AB-HK)
7890	VC01	28-10-2011	0722	Chinese Robot	USB		(AB-HK)
7890	VC01	29-10-2011	0620	Chinese Robot in progress	USB		(AB-HK)
7890	VC01	30-10-2011	0723	Russian Robot	USB		(AB-HK)
7890	VC01	31-10-2011	0710	Chinese Robot	USB		(AB-HK)
7931	M12	31-10-2011	1923	in progress	CW		(AB)
7931	M12	3-10-2011	1720	257 1	CW	Mon	(HFD)
7931	M12	3-10-2011	1820	257 1	CW	Mon	(HFD)
7931	M12	3-10-2011	1920	257 1	CW	Mon	(HFD)
7931.0	M12	17-10-2011	1720	Good QSB2 QRN3	CW	Mon	(SWL1409)
7943	E07	19-10-2011	1940	229 1 422 34 77553	AM		(FN)
7943	E07	10-10-2011	1940	229 1	AM	Mon	(HFD)
7959.0	M42	13-10-2011	1524	crowd36	RTTY	Thu	(FMB)
7962	XPA	6-10-2011	0528	Polytone in progress	MFSK-20		(haz)
7962	XPA	13-10-2011	0520	799 2 00620 00145 86076	MFSK-20		(FN)

frequency	enigma	date	UTC	remarks	mode	day	contributor
7963	M32	5-10-2011	1335	Russian Mil. "xxx xxx 1hsf 1hsf c1ob c1ob 87499 01136 cikloat 5352 5558 mizulxban 3111 1178 k", 1410z "xxx xxx 1hsf 1hsf c1ob c1ob f2et f2et 57721 38788 64889 wolyinka 4384 5996 k"	CW		(WP3)
7963	M32	5-10-2011	1335	Russian Mil: "xxx xxx 1hsf 1hsf c1ob c1ob 87499 01136 cikloat 5352 5558 mizulxban 3111 1178 k"; xxx xxx 1hsf 1hsf c1ob c1ob f2et f2et 57721 38788 64889 wolyinka 4384 5996 k"	CW		(WP3)
7963	M32	15-10-2011	1301	6QWI: Russian Military "AD7I de 6QWI QTC K. 6QWI 274 22 15 1708 274 = 821 = ZRYUJ –ÍMEH ..."	CW		(MPJ)
7964	M12	10-10-2011	1340	839 1	CW	Mon	(HFD)
7998	M32	11-10-2011	1340	Russian General Staff strategic msg to collective REA4 //7117 kHz New frequency	CW		(TJ)
7998	M32	20-10-2011	1340	REA4: Russian Strategic Air Bcast. REA4 REA4 = 20130 23672 ... 10176 88500 = REA4 K. //7117	CW		(MPJ)
8006.0	M42	13-10-2011	1900	unid 200Bd/500 Hz	RTTY	Thu	(FMB)
8040	M89	4-10-2011	1004	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
8040	M89	5-10-2011	1037	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
8040	M89	5-10-2011	1037	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773 (Wed)	CW		(JPL-HK)
8040	M89	7-10-2011	0952	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
8040	M89	13-10-2011	1055	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
8040	S06s	3-10-2011	1600	176 980 5 55463 58078 65470 85204 25743 980 5 00000	USB		(AB)
8040	S06s	3-10-2011	1600	176 980 5 55463	USB		(FN)
8047	M12	5-10-2011	1700	463 1	CW	Wed	(HFD)
8062	XPA	4-10-2011	1920	Msg 304 1 00994 00085	MFSK-20		(AB)
8062	XPA	4-10-2011	1920	304 1 00994 00085 29558 ... 66357 +++++	MFSK-20		(FN)
8062	XPA	4-10-2011	1920	msg	MFSK-20	Tue	(HFD)
8063.0	XPA2	13-10-2011	1923	ip.	MFSK	Thu	(FMB)
8068.0	M42	13-10-2011	1923	crowd36	RTTY	Thu	(FMB)
8073	MVC03	2-10-2011	1030	Chinese station sending 3FGs	CW		(EW)
8073	MVC03	7-10-2011	1030	Chinese station sending 3FGs in progress. Ends 1031 UTC.	CW		(EW)
8073	MVC03	10-10-2011	1132	Transmission ends at 1202 UTC. No voice message this time.	CW		(EW)
8073	MVC03	11-10-2011	1132	Ends at 1202 UTC	CW		(EW)
8073	VC03	2-10-2011	1210	Chinese station sending 3FGs	USB		(EW)
8073	VC03	7-10-2011	1202	Chinese station sending 3FGs. Ends at 1208 UTC	USB		(EW)
8073	VC03	11-10-2011	1202	Both VC03 and MVC03 were audible at the same time	USB		(EW)
8105	S06s	5-10-2011	1240	967 802 5 49471	USB		(FN)
8105	S06s	19-10-2011	1240	967 813 5 99578	USB		(FN)
8110	M89	3-10-2011	0205	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	4-10-2011	0210	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	5-10-2011	1030	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	5-10-2011	1030	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582 (Wed)	CW		(JPL-HK)
8110	M89	7-10-2011	0121	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	7-10-2011	0953	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	22-10-2011	0251	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
8110	M89	21-10-2011	2009	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8116	M12	29-9-2011	1742	124 124 124 1 => 5F msg => ending TTT TTT	CW		(PPA)
8116	M12	13-10-2011	1840	124 1	CW	Thu	(HFD)
8143.0	M42	13-10-2011	1351	unid fsk 200Bd/1000 Hz	RTTY	Thu	(FMB)
8147	G07	31-10-2011	1609	YL/GG 5lg	USB		(IB)

frequency	enigma	date	UTC	remarks	mode	day	contributor
8162	S06	1-10-2011	1548	134 (R4) 562 30 5FGs 562 30 00000. At 1547 UTC carrier, 1548 UTC "134"	AM		(AB)
8167	XPA	4-10-2011	1400	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
8167	XPA	11-10-2011	1400	917 000 09574 00001 00000 10140 +++++	MFSK-20		(FN)
8178	S06c	22-10-2011	1438	i.p.: 11019 rptd	AM		(FN)
8186	M08a/SK01	12-10-2011	0826	M08a with random SK01 in the middle of transmission in between CW	CW/RDFT		(Emma)
8186.0	SK01	17-10-2011	0800	no decode weak	RDFT	Mon	(BS3)
8193	M12	19-10-2011	1520	839 1 437 189 95600	CW		(FN)
8270	S06s	19-10-2011	1910	371 590 6 99135	USB		(FN)
8294	M32	22-10-2011	1847	IOIA with 5FG message. Usually active from 1700 to 1900 UTC	CW		(AtB)
8313.0	XSL	13-10-2011	1317	Idle	PSK	Thu	(CICA)
8313.5	XSL	12-10-2011	1928	tfc	PSK		(FN)
8345	M32	29-10-2011	0305	RMMA: Russian navyship "RMMA QLS QSX 4107 QYT4"	CW		(PPA)
8360	M12	19-10-2011	2130	229 229 229 000	CW		(ALF)
8476	MX	15-10-2011	1815	Beacon "K". Spur of 8495.3 kHz??	CW		(AtB)
8484.7	MX	2-10-2011	2203	Beacon "D"	CW		(norave)
8484.8	MX	2-10-2011	2203	Beacon "P"	CW		(norave)
8494.7	MX	26-10-2011	2119	Beacon "D"	CW		(AB)
8494.8	MX	22-10-2011	0949	Beacon "P"	CW		(AB)
8494.8	MX	26-10-2011	2119	Beacon "P"	CW		(AB)
8494.8	MX	28-10-2011	1623	Beacon "P"	CW		(JPL-AUS)
8494.9	MX	26-10-2011	2119	Beacon "S"	CW		(AB)
8495.2	MX	7-10-2011	1247	Beacon "F"	CW		(AB-HK)
8495.3	MX	15-10-2011	1815	Beacon "K"	CW		(AtB)
8497.8	MX	2-10-2011	2203	Beacon "L"	CW		(norave)
8497.8	MX	8-10-2011	0754	Beacon "L"	CW		(AB)
8497.8	MX	8-10-2011	1036	Beacon "L"	CW		(WP3)
8497.8	MX	16-10-2011	0030	Beacon "L"	CW		(JPL)
8497.8	MX	17-10-2011	0204	Beacon "L"	CW		(JPL-SVK)
8497.8	MX	21-10-2011	0023	Beacon "L": Navy St.Peterburg	CW		(PPA)
8497.8	MX	22-10-2011	0258	Beacon "L"	CW		(JPL-SVK)
8497.8	MX	22-10-2011	0949	Beacon "L"	CW		(AB)
8497.8	MX	28-10-2011	1622	Beacon "L"	CW		(JPL-AUS)
8588.0	XSL	13-10-2011	1319	Idle; S7 signal	PSK	Thu	(CICA)
8650	S06s	13-10-2011	1230	314 592 6 46215	USB		(FN)
8695	S06s	14-10-2011	0710	196 807 5 46570	USB		(FN)
8695	S06s	14-10-2011	0710	196	USB	Fri	(HFD)
8787	M89	16-10-2011	2215	"RXP7 DE CZT2"	CW		(FC)
8800	E11	5-10-2011	0930	270/00	USB		(FN)
8800	E11	12-10-2011	0930	270/00	USB		(FN)
8800	E11	13-10-2011	0930	270/00	USB		(FN)
8816	M32	29-10-2011	0820	Russian Naval Air Transport "80694 de RJF94 qsa? qrv k"; "RJF94 de 80694 qsa ? qtc k 80694 qto 0817 qrd xlm d xllv qre 1012 qbd 14200 rpt al k"	CW		(WP3)
9063.0	SK01	16-10-2011	0630	file 11874857.txt 1024 bytes	RDFT	Sun	(BS3)
9063.0	SK01	17-10-2011	0900	file 54551228.txt 1024 bytes	RDFT	Mon	(BS3)
9073	M32	24-10-2011	1242	REA4: Russian Strategic Air Broadcast "REA4 REA4 = 24120 20069 75320 ..."	CW		(MPJ)
9112.0	M8a	16-10-2011	1000	32331 12742 75641	MCW	Sun	(BS3)
9124.0	SK01	16-10-2011	0600	file 11874857.txt 1024 bytes	RDFT	Sun	(BS3)

frequency	enigma	date	UTC	remarks	mode	day	contributor
9127	M32	12-10-2011	1554	Russian Mil: 5LGs after "LDBO LDBO LDBO QTC 101 23 9 1950 101 = 888 = ... POPWP 487 RPT AT QLN ar".	CW		(ALF)
9127	M32	19-10-2011	1905	Russian Military. 21 4FGs bcast msg ... 3079 4694 1921 299 AR.	CW		(MPJ)
9145	S06s	3-10-2011	1200	831 920 5 20365	USB		(FN)
9150	M03	2-10-2011	1320	437/00 = = 000 At 1311 UTC "VVV"	CW		(AB)
9150	M03	2-10-2011	1320	437/00	CW		(FN)
9150	M03	4-10-2011	1115	272/00	CW		(FN)
9150	M03	13-10-2011	1115	650/00	CW		(FN)
9150	M03	20-10-2011	1320	435/37 = 45283 80077 27777	CW		(FN)
9159	M03	5-10-2011	1115	650/00	CW		(FN)
9167	M32	9-10-2011	0539	CIS Mil: ZHV6 clg FINK	CW		(PPA)
9176	M12	3-10-2011	1800	257 257 257 1 etc.	CW		(AB)
9176	M12	3-10-2011	1700	257 1	CW	Mon	(HFD)
9176	M12	3-10-2011	1800	257 1	CW	Mon	(HFD)
9176	M12	3-10-2011	1900	257 1	CW	Mon	(HFD)
9176.0	M12	17-10-2011	1700	Good i/p	CW	Mon	(SWL1409)
9220	S06	12-10-2011	1900	YL/RR 371 904 5 75151 25504 53328 61265 63676 904 5 00000	AM		(MUK)
9220	S06s	19-10-2011	1900	371 590 6 99135	USB		(FN)
9223	M12	19-10-2011	1500	839 1 437 189 95600	CW		(FN)
9243	E07	3-10-2011	1920	229 229 229 000	AM		(FN)
9243	E07	19-10-2011	1920	229 1 422 34 77553	AM		(FN)
9243	E07	31-10-2011	1920	229 229 229 000	AM		(AB)
9243	E07	3-10-2011	1920	229 0	AM	Mon	(HFD)
9243	E07	10-10-2011	1920	229 1	AM	Mon	(HFD)
9255	S06s	12-10-2011	0830	471 803 5 99355	USB		(FN)
9264	M12	13-10-2011	1820	124 1	CW	Thu	(HFD)
9324	M12	10-10-2011	1320	839 1 839	CW	Mon	(HFD)
9362	XPA	4-10-2011	1900	Msg 304 1 00994 00085	MFSK-20		(AB)
9362	XPA	4-10-2011	1900	304 1 00994 00085 29558 ... 66357 +++++	MFSK-20		(FN)
9362	XPA	4-10-2011	1900	msg	MFSK-20	Tue	(HFD)
9371	E11	6-10-2011	1730	412/33 attention 59826 54560 71043 66701 53443 33262 59667 31903 04597 65794 64269 15930 63205 18909 35129 74600 25445 67347 58509 86562 27485 81615 63489 54452 62292 32780 50507 44070 43154 87919 493	USB		(AB)
9371	E11	20-10-2011	1730	416/00 (R3) out	USB		(AB)
9371	E11	27-10-2011	1730	416/00	USB		(Danix)
9399	E11	3-10-2011	0900	535/37 61832 76220	USB		(FN)
9399	E11	5-10-2011	0900	535/37 61832	USB		(FN)
9399	E11a	3-10-2011	0900	535/37 A 61832 76220 07751	USB		(HS2)
9399	E11a	3-10-2011	0900	535/37=61832	USB	Mon	(HFD)
9423	E07	2-10-2011	1720	441 441 441 000	AM		(FN)
9423	E07	5-10-2011	1720	hardly audible	AM		(FN)
9423	E07	2-10-2011	1720	441 0	AM	Sun	(HFD)
9450	E25	10-10-2011	1229	555 2241 2211 3261 5577 2213 6463 7938 7845 5970 9159 3261	USB		(AB)
9480	S06s	12-10-2011	0840	328 905 6 06453	USB		(FN)
9725	V13	1-10-2011	0500	New Star. Flute tune followed by coded messages	USB		(AB-HK)
9725	V13	1-10-2011	0600	New Star. Flute tune followed by coded messages	USB		(AB-HK)
9725	V13	4-10-2011	1212	New Star YL/CC 4F numbers stn in progress	USB		(N2UHC)
9725	V13	6-10-2011	0512	New Star in progress	USB		(AB-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
9960	S11a	4-10-2011	1020	426/00	USB		(FN)
9960	S11a	21-10-2011	1020	426/00	USB		(AB)
9960	S11a	21-10-2011	1020	426/00	USB		(FN)
10155	M32	11-10-2011	1324	Russian Mil: "rdl 46162 4ttt1 k"	CW		(TJ)
10180	M89	3-10-2011	0207	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-AFS)
10221	E11	14-10-2011	0710	633/00	USB		(FN)
10221	E11	21-10-2011	0710	639/38 Attention 03281 40650 ... out	USB		(AB)
10224	M32	28-10-2011	0740	L5GW: Russian military "STJ4 DE L5GW"	CW		(PPA)
10243	E07	3-10-2011	1900	229 229 229 000	AM		(FN)
10243	E07	19-10-2011	1900	229 1 422 34 77553	AM		(FN)
10243	E07	31-10-2011	1900	229 229 229 000	AM		(AB)
10243	E07	3-10-2011	1900	229 0	AM	Mon	(HFD)
10243	E07	10-10-2011	1900	229 1	AM	Mon	(HFD)
10272	M12	18-10-2011	2225	5FGs message to "211"	CW		(MCO)
10343	M12	13-10-2011	1800	124 1	CW	Thu	(HFD)
10420	S06s	4-10-2011	0810	352 490 6 56657	USB		(FN)
10432.0	M8a	16-10-2011	0900	17821 68562 67111	MCW	Sun	(BS3)
10436	M42?	18-10-2011	0645	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10436	M42?	18-10-2011	0657	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10436	M42?	18-10-2011	0845	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10436	M42?	18-10-2011	1002	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10436	M42?	18-10-2011	1015	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10436	M42?	18-10-2011	1031	Russian Gov/Intel. Op-chat, later short "vvv 3k" / "3k" at 0657, 0845, 1002, 1015, 1031 UTC	FSK F1A/500		(TJ)
10516	M21	16-10-2011	1516	Russian Air Defense. =99?1917?9????? =99?1919?9????? =99?1921?9?????	CW		(WP3)
10520	E22	17-10-2011	1200	BN3	USB		(AB)
10520	E22	19-10-2011	1300	BN3	USB		(GN2)
10543	M32	12-10-2011	0840	RCV to RIP90. NAWIP msgs	CW		(WP3)
10640	M89	7-10-2011	0122	VVV (x3) Q2M (x3) DE NYZ (x2) (In progress) QSA ? K (Fri) //6840	CW		(JPL-HK)
10640	M89	8-10-2011	1720	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sat) //6840	CW		(JPL-HK)
10690	E11	3-10-2011	0835	649/00	USB		(FN)
10690	E11	13-10-2011	0830	649/00	USB		(FN)
10690	E11	20-10-2011	0830	644/35 73460 57740	USB		(FN)
10690	E11	3-10-2011	0830	649/00 tx proble	USB	Mon	(HFD)
10779	M89	2-10-2011	0245	V WITN (x3) DE GNXXG (x2) (Cont'd) (Sun)	CW		(JPL-HK)
10779	M89	3-10-2011	0200	V WITN (x3) DE GNXXG (x2) (Cont'd) (Mon)	CW		(JPL-HK)
10779	M89	4-10-2011	0207	V WITN (x3) DE GNXXG (x2) (Cont'd) (Tue)	CW		(JPL-HK)
10779	M89	4-10-2011	1001	V WITN (x3) DE GNXXG (x2) (Cont'd) (Tue)	CW		(JPL-HK)
10779	M89	6-10-2011	1054	V WITN (x3) DE GNXXG (x2) (Cont'd) (Thu)	CW		(JPL-HK)
10779	M89	7-10-2011	0118	V WITN (x3) DE GNXXG (x2) (Cont'd) (Fri)	CW		(JPL-HK)
10779	M89	7-10-2011	0951	V WITN (x3) DE GNXXG (x2) (Cont'd) (Fri)	CW		(JPL-HK)
10779	M89	13-10-2011	0212	V WITN (x3) DE GNXXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	13-10-2011	1050	V WITN (x3) DE GNXXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	16-10-2011	0039	V WITN (x3) DE GNXXG (x2) (Cont'd)	CW		(JPL)
10779	M89	22-10-2011	0250	V WITN (x3) DE GNXXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	22-10-2011	2357	V WITN (x3) DE GNXXG (x2) (Cont'd)	CW		(JPL-HK)

frequency	enigma	date	UTC	remarks	mode	day	contributor
10779	M89	23-10-2011	0048	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	21-10-2011	0153	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10800	E11	13-10-2011	0645	517/00	USB		(FN)
10804	M12	10-10-2011	1300	839 1	CW	Mon	(HFD)
10871.7	MX	22-10-2011	0949	Beacon "D"	CW		(AB)
10871.8	MX	8-10-2011	0754	Beacon "P"	CW		(AB)
10871.8	MX	22-10-2011	0949	Beacon "P"	CW		(AB)
10871.9	MX	8-10-2011	0754	Beacon "S"	CW		(AB)
10871.9	MX	22-10-2011	0949	Beacon "S"	CW		(AB)
10871.9	MX	28-10-2011	1623	Beacon "S"	CW		(JPL-AUS)
10872	MX	8-10-2011	0754	Beacon "C"	CW		(AB)
10872	MX	22-10-2011	0949	Beacon "C"	CW		(AB)
10872	MX	28-10-2011	1628	Beacon "C"	CW		(JPL-AUS)
10872.4	MX	7-10-2011	1247	Beacon "M"	CW		(AB-HK)
10973	M12	18-10-2011	2203	5FGs message to "211"	CW		(MCO)
11040	S06s	12-10-2011	0850	328 905 6 06453	USB		(FN)
11055	M42	22-10-2011	0544	RMA2: Russian Gov/Intel. Crypto traffic to RGK2	Baudot 2,5 stb/50/50 0		(PPA)
11100	S11a	19-10-2011	0217	382/00	USB		(MCO)
11136	M32	9-10-2011	0638	Russian Mil: "MHPJ DE YJWK QTC 135 26 9 1T19 135 = ZXW 769 ="	CW		(PPA)
11454	E07	2-10-2011	1700	441 441 441 000	AM		(FN)
11454	E07	5-10-2011	1700	441 441 441 000	AM		(FN)
11454	E07	2-10-2011	1700	441 0	AM	Sun	(HFD)
11460	S06s	3-10-2011	1210	831 920 5 20365	USB		(FN)
11635	S06s	4-10-2011	0800	352 490 6 56657	USB		(FN)
11830	S06s	19-10-2011	0740	745 910 6 34682	USB		(FN)
12100	X06	11-10-2011	1132	Mazielka. Sequence: 612534	AM		(Dan)
12140	S06	21-10-2011	0930	516 516 516 480 7 91827 35463 09182 67893 45673 20091 67110 480 7 00000	AM		(AB)
12140	S06s	14-10-2011	0930	516 438 7 43443	USB		(FN)
12355	S06s	11-10-2011	0610	438 520 6 84575	USB		(FN)
12930	E17z	20-10-2011	0810	674 801 5 13845	USB		(FN)
12952	S06s	13-10-2011	0900	167 930 5 84170	USB		(FN)
12952	S06s	13-10-2011	0900	167-930/5=84160	USB	Thu	(HFD)
13200	V13	29-10-2011	0618	New Star in progress	USB		(AB-HK)
13200	V13	29-10-2011	1217	New Star in progress	USB		(swl73oz)
13200	V13	29-10-2011	1300	New Star	USB		(swl73oz)
13200	V13	31-10-2011	0710	New Star	USB		(AB-HK)
13365	S06s	5-10-2011	1000	729 805 6 45195	USB		(FN)
13375	E11a	25-10-2011	1400	987/10 attention 85454 22210 21816 74902 42328 90579 15808 62721 03688 37678 out	USB		(Danix)
13375	E11a	29-10-2011	1400	983/10 attention 62002 81536 66865 36477 14068 48903 34009 15986 73539 09485 out	USB		(Danix)
13404	M32	11-10-2011	1025	CIS Mil?: "ZEOM QTC K ZEOM 532 24 11 14 58 532 = ZWW 558 = OHÍZA RH.EA WADA- ERH WADA- MCXZU AIXIR RJRA- GESBH ÍQHFQ MISSR PT-I HTEJ- OUÍP AWYTX JUA-M SORIF—PW- RPT AL QLN K"	CW		(WP3)
13515	S06	21-10-2011	0940	516 516 516 480 7 91827 35463 09182 67893 45673 20091 67110 480 7 00000	AM		(AB)
13515	S06s	14-10-2011	0940	516 438 7 43443	USB		(FN)

frequency	enigma	date	UTC	remarks	mode	day	contributor
13524.4	MX	5-10-2011	0833	Beacon "M"	CW		(TJ)
13527.7	MX	8-10-2011	0754	Beacon "D"	CW		(AB)
13527.8	MX	22-10-2011	0949	Beacon "P"	CW		(AB)
13527.9	MX	22-10-2011	0949	Beacon "S"	CW		(AB)
13528	MX	8-10-2011	0754	Beacon "C"	CW		(AB)
13528	MX	22-10-2011	0949	Beacon "C"	CW		(AB)
13528	MX	28-10-2011	1624	Beacon "C"	CW		(JPL-AUS)
13528.1	MX	8-10-2011	0754	Beacon "A"	CW		(AB)
13528.4	MX	7-10-2011	1247	Beacon "M"	CW		(AB-HK)
13565	S06s	13-10-2011	0910	167 930 5 84170	USB		(FN)
13565	S06s	13-10-2011	0910	167	USB	Thu	(HFD)
13915	M42	24-10-2011	0639	Russian Gov/Intel.	RUS-ARQ 100/500		(TJ)
13985	M42	24-10-2011	0640	Russian Gov/Intel. Ongoing traffic, ends schedule at 0916, ch resting on N0N at f+250Hz, additional short msg (opchat ?) at 0932 UTC	Baudot 50/500		(TJ)
14080	S06s	11-10-2011	0600	438 520 6 84575	USB		(FN)
14260	E17z	20-10-2011	0800	674 801 5 13845	USB		(FN)
14440	M32	28-10-2011	0758	XJTK: Russian military "CQBS DE XJTK"	CW		(PPA)
14505	S06s	5-10-2011	1010	729 805	USB		(FN)
14576	M32	24-10-2011	0643	Russian Mil. op-chat ".. rpt zdd zab k", "nw qyt9 qrj? k", "vfwpt qyt9 zkc zab zbb rpt zcc zab zbb k" ends schedule with "n8ff de vfwpt qyt9 qbe k", operator had "sausage finger" touch technique	CW		(TJ)
14655	M42	7-10-2011	0758	Russian Gov.	CROWD-36		(EW)
14655	M42	28-10-2011	1301	Russian Gov.	CROWD-36		(Danix)
15915	E11	2-10-2011	1540	228/00	USB		(FN)
15915	E11	3-10-2011	1540	228/00	USB		(FN)
15915	E11	5-10-2011	1155	719/36 64130	USB		(FN)
15915	E11	20-10-2011	1155	718/00	USB		(FN)
16000	---	26-10-2011	0542	Unid. Male operator. English 5FGs	AM		(linkz)
16044.7	M51	4-10-2011	1737	5LGs French MIL	CW		(MCO)
16044.7	M51	11-10-2011	1628	French mil	CW		(MCO)
16112	S11a	3-10-2011	1015	275/00	USB		(FN)
16112	S11a	13-10-2011	1015	471/38 49292	USB		(FN)
16112	S11a	3-10-2011	1015	475/00 (575/00?)	USB	Mon	(HFD)
16166	M42	7-10-2011	0842	Russian Gov.	CROWD-36		(EW)
16271	G07	31-10-2011	0845	Message	USB		(Danix)
16276	X06	1-10-2011	0932	Mazielka. Sequence: 314265	AM		(linkz)
16331.7	MX	8-10-2011	0754	Beacon "D"	CW		(AB)
16331.7	MX	22-10-2011	0949	Beacon "D"	CW		(AB)
16331.9	MX	8-10-2011	0754	Beacon "S"	CW		(AB)
16331.9	MX	22-10-2011	0949	Beacon "S"	CW		(AB)
16332	MX	8-10-2011	0754	Beacon "C"	CW		(AB)
16332	MX	28-10-2011	1625	Beacon "S"	CW		(JPL-AUS)
16332.1	MX	8-10-2011	0754	Beacon "A"	CW		(AB)
16332.1	MX	13-10-2011	0638	Beacon "A"	CW		(TJ)
16332.3	MX	12-10-2011	0611	Beacon "K"	CW		(TJ)
16332.4	MX	5-10-2011	0833	Beacon "M"	CW		(TJ)
16346	M42	8-10-2011	0843	Russian Gov.	CROWD-36		(TJ)

frequency	enigma	date	UTC	remarks	mode	day	contributor
17454	M32	24-10-2011	0840	OTLN de SHO3 qbe qyt6 k xxx 1hsf de c1ob 64056 56689 drö÷lx 2839 229 prytkostx 3874 8922	CW		(WP3)
17468	M32	7-10-2011	1014	Russian Navy: RIW wkg warships RMMA, 1022z: RIW wkg warship RFK99, 1036z: "RFK99 de RIW QYT4 QSX 12394 K", 1047z: "RMMA de RIW QYT4 QSX 12414 K", 1053z: "RFK99 de RIW QTC K. RIW 517 25 7 1045 517 = 29	CW		(MPJ)
17468	M32	27-10-2011	1430	rmma de rit qyt4 qsa4 k 2011-10-27 (wp3)	CW		(WP3)
17468	X06	20-10-2011	0640	Mazielka. Sequence: 436512	AM		(FN)
17478	S06	20-10-2011	1400	826 903 51 42601 61566	AM		(FN)
18074.0	V07	30-10-2011	0100	883	USB	Sun	(Tosi)
18107	M32	7-9-2011	0907	RDL 37365 59467 k	CW		(IARUMS)
18107	M32	7-9-2011	0915	RDL 31023 20335 k	CW		(IARUMS)
18107	M32	7-9-2011	1021	XXX RDL 55154 97063 REWANchNYJ	CW		(IARUMS)
18107	M32	7-9-2011	1030	XXX REU 90271 40712 DOLOPIHT 6967	CW		(IARUMS)
18107	M32	7-9-2011	1310	XXX REU 10255 40240 HOLONTREN 6385	CW		(IARUMS)
18107	M32	7-9-2011	1325	XXX RDL 42569 80852 AWGIT 0131 8437	CW		(IARUMS)
18107	M32	7-9-2011	1327	XXX RDL 89612 59923 OBRAZoeIK 4824	CW		(IARUMS)
18210.0	E06	14-10-2011	0007	405-405-111-111	USB	Fri	(Stefan)
18654	S06s	10-10-2011	0942	in progress	USB		(EW)
19304	M32	15-10-2011	0841	Russian Navy: "RIS96 DE RIT QSA?"	CW		(PPA)
19305	M42	11-10-2011	1317	Russian Gov/Intel. 5FGs in groups of 10 per line, keys "cfm k" in F1B CW probably Russian Intel, Moscow	Baudot 75bd/500		(MCO)
19511	X06	1-10-2011	0917	Mazielka. Sequence: 314265	AM		(linkz)
20047.7	MX	8-10-2011	0754	Beacon "D"	CW		(AB)
20047.7	MX	22-10-2011	0949	Beacon "D"	CW		(AB)
20047.9	MX	8-10-2011	1214	Beacon "S"	CW		(AB)
20047.9	MX	11-10-2011	1355	Beacon "S"	CW		(WP3)
20047.9	MX	20-10-2011	0931	Beacon "S"	CW		(TJ)
20047.9	MX	22-10-2011	0949	Beacon "S"	CW		(AB)
20048	MX	8-10-2011	0754	Beacon "C"	CW		(AB)
20048	MX	11-10-2011	1355	Beacon "C"	CW		(WP3)
20048	MX	22-10-2011	0949	Beacon "C"	CW		(AB)
20665	X06	1-10-2011	0927	Mazielka. Sequence: 325614	AM		(linkz)
22392	M32	27-10-2011	1408	xxx xxx xxx RDL RDL 2011-10-28 (wp3)	CW		(WP3)
22864	M32	28-10-2011	1150	xxx xxx xxx REU REU 71388 42101 u÷astyj 5242 9035 k 1200z: xxx RDL RDL 11457 74387 k	CW		(WP3)



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