```
6/8  27364  92836  09428  61208  74982  36498  32764  81276  8
986  40932  70987  32123  49817  26346  81287  65491  87364  81
721  75654  55656  12737  72727  72727  91918  63473  67867  7
723  87629  37677  32612  53498  71296  28756  18276  98716  87
269  76329  74698  76857  98670  27601  56701  57601  73648  1
591  87364  87265  96710  27630  12673  84769  28743  98127  5
  8  63298  75698  27465  87326  49876  28376  81273  98615  6
 67  87432  74328  78674  29867  32867  67867  86786  43276  43
 57  68768  68763  34234  34238  68768  62342  48273  48768  234
936  98432  32432  86743  43286  43286  43286  43286  43286  43
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  86
 76  87698  69876  87698  69876  87612  12341  34867  86798  632
 67  43298  65656  56756  56123  32143  14321  32143  14321  321
     12787  58765  76587  58765  76587  58765  76587  58756  765
```

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #170, November 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

I have uploaded Simon Mason's book **"Secret Signals - The Euronumbers Mystery"** to the N&O website. Courtesy of Simon Mason. Secret Signals was one of the first books about numbers stations. Most of the stations that are mentioned in the book are long gone but the book is still interesting.

I mentioned the SF-site before. A recent story mentions a captain with a well-known name and no, I did not write it. It seems that I have a fan ☺   He/she must be a reader of N&O.
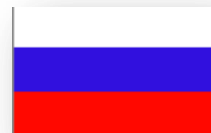http://www.fanfiction.net/s/7444104/7/Adults_In_Charge

Tim sent me the URL of an interesting website. It contains a number of great old documentaries. One of them is a documentary about British SIGINT Ops in WWI & II. http://www.eafa.org.uk/catalogue/5108
See also the pictures on pages 16 and 23.

New Designator:
Enigma 2000 has been assigned "M97" to the Morse sister of V30, the Vietnamese station. Therefore MV30 is no longer valid. The numbers database has been updated.

VOICE STATIONS

E06

E06, 16200/18200 kHz, 0600/0700 UTC, 11-11

507 623 141
57621 89808 46663 03303 45915 34551 03424 73255 19155 76275
40709 28073 98576 82323 57472 20548 61241 30220 39959 30033
47136 63374 83273 62475 49582 91714 28793 43120 72254 10816
89370 29658 35316 13056 94244 22778 60734 47973 63535 75717
73079 38138 91801 60081 47573 76372 51642 36595 11870 87505
28020 79223 77963 87114 40526 57752 48127 69558 29729 17960
87276 61712 32693 50850 57615 74062 30402 43543 16726 56140
59920 72812 43869 58210 36940 70475 21296 59068 52985 43995
22466 90170 68323 51370 24504 54174 73019 15838 52478 86662
38177 17863 08398 23467 70723 01817 58293 96061 89835 49055
65251 63531 46189 20359 67807 78601 62167 81972 93038 60818
71283 10165 87385 76105 39252 02399 92340 41530 61872 25562
83554 19398 87357 26213 72429 55590 99141 22473 80768 96577
33818 80081 18183 42413 47930 51643 48969 27393 29578 87197
31985
623 141 00000

E06, 18200 kHz, 0700 UTC, 24-11

507 429 155
40510 16780 81667 92290 25681 18110 61870 35548 06183 98753
83294 99202 50120 95837 95247 81255 76605 73640 29344 02028
02812 13061 22242 03914 626*5 69147 58962 76278 58776 67172
06609 29282 31605 78005 41145 54605 06442 79062 81112 29528
78105 34881 91539 21180 51608 37678 44131 03960 19475 62320

E06, 4760 kHz, 2130 UTC, 04-11
E06, 4760 kHz, 2130 UTC, 18-11

472 353 15
54678 45367 56320 68453 96754
87583 64890 54219 65743 43768
45234 87906 56289 67895 67453
353 15 00000

E06, 4836 kHz, 2029 UTC, 03-11
E06, 4836 kHz, 2029 UTC, 17-11

321 268 15
65437 56843 65897 65481 45621
46935 54879 34268 54946 24678
45386 24967 45620 47206 53867
268 15 00000

79885 02255 39798 39922 64599 27987 54148 00969 72884 19208
20693 07798 63335 19978 23163 88702 30945 67221 88395 20212
66776 01994 70459 71700 42930 49256 83374 69847 56736 17280
77590 54716 48543 04381 74812 01396 81975 40952 95545 27878
96597 76088 55179 25637 03515 39713 96059 21633 4**03 66203
74964 72119 87234 32715 34535 31753 58737 99551 43838 72087
04618 82939 33237 95084 97575 73261 47344 15633 24454 41389
10300 30681 95772 83442 94882 73587 67420 70738 52011 66647
55226 62300 71679 42528 29501 20061 72409 37864 83400 58199
18925 47250 82257 01942 78478 87521 32793 68678 00619 33443
82896 06263 97665 10056 04247
429 155 00000

E06, 5837/4583 kHz, 0130/0230 UTC, 26+27-11

759 642 31
73659 49624 47425 36108 51858 87058 44048 52702 33388 43248
46512 66658 81553 27076 36029 42989 91220 36875 99256 64962
03609 78120 35521 63952 24295 97238 44605 52125 55392 86214
68536
642 31 00000

E06, 5837/4583 kHz, 0130/0230 UTC, 19-11
E06, 5837/4583 kHz, 0130/0230 UTC, 19-11

759 218 33
31805 18090 43961 92345 88407 59471 93770 11282 09395 80215
97915 41064 38264 97686 17609 34706 49821 09628 35093 46065
01620 20081 26995 15389 55407 15405 88176 07290 60793 51333
10755 24612 18301
218 33 00000

E06, 5837/4583 kHz, 0130/0230, 05-11
E06, 5837/4583 kHz, 0130/0230, 06-11

759 102 34
65378 67751 83534 55464 49811
29848 88383 58919 01172 53120
37132 65620 19284 61209 27406
74428 43497 70567 66449 93497
03389 18185 20917 76746 09424
24823 24825 09915 80128 98915
46465 57806 10619 87709
102 34 00000

E06, 5837/4583 kHz, 0130/0230 UTC, 12-11
E06, 5837/4583 kHz, 0130/0230 UTC, 13-11

759 428 31
69705 42560 86490 57553 60694
94254 70006 06907 99043 07481
61412 79661 88204 14121 68232
29033 47265 49633 42835 67235
64120 62644 49129 92690 00297
82836 20759 74770 83381 26829
09243
428 31 00000

E07

E07, 7724 KHz, 2000 UTC, 14-11:
798 798 798 000

E07, 6924 kHz, 2000 UTC, 14-11:
798 798 798 000

E07, 8183 kHz, 1800 UTC, 16-11:
199 199 199 000

E07, 6982 kHz, 1820 UTC, 16-11:
199 199 199 000

E07, 7724 kHz, 2000 UTC, 16-11:
798 798 798 000

5938 kHz, 20-11, 1840 UTC
8183 kHz, 23-11, 1800 UTC

199 199 199 1 796 94
73038 53153 11896 76788 20823 80863 15196 16005 62682 26725
57923 26174 37291 70736 74840 78571 39888 93761 78940 63908
89364 08985 47603 39829 50373 93955 22433 97729 44820 83307
58845 22202 59647 55706 38929 18375 07373 65950 86301 23173
67375 20264 25869 32667 29732 64577 99344 89450 63678 46548
24043 53846 71034 77912 70719 70788 14148 26587 74577 18100
17103 52261 03571 57503 76740 46215 51341 43314 64412 10810
49944 48062 84037 34912 65819 67090 30734 73766 16750 36439
12619 52745 87839 25393 41229 29262 98080 84099 53784 17900
57889 07934 65986 97047
000 000

E07, 6924 kHz, 2020 UTC, 16-11:
798 798 798 000

E07, 7724 kHz, 2000 UTC, 21-11:
798 798 798 000

E07, 7724 kHz, 2000 UTC, 23-11:
798 798 798 000

E07, 6924 kHz, 2020 UTC, 23-11:
798 798 798 000

E07a, 5864/5164/4564 kHz, 2100/2120/2140 UTC, 02-11

815 1 62128 124 69
64125 70735 04391 65921 90107 35180 85225 19695 23078 64391
14205 19608 23662 60316 03365 40435 88857 38868 11787 45539
85959 34556 00876 68541 72698 24959 73108 94416 15049 22577
02214 48940 20683 06035 71827 34559 39715 90384 33099 15243
79068 13963 57789 76291 73229 25495 46863 72936 63819 79582
84172 38245 27101 12270 85507 35701 07507 74404 97795 97922
06247 89528 63362 48286 43085 43465 92819 10811 53799
000 000

E07, 5864 kHz, 2100 UTC, 23-11: 815 815 815 000
E07, 5164 kHz, 2120 UTC, 23-11: 815 815 815 000

E11

E11a, 4441 kHz, 1050 UTC, 20-11

128/32 Attention
36176 64982 19658 51235 50460 40753 69410 76266 84199 85089
09385 63973 72769 70796 91204 66648 91259 80493 60792 18803
65851 61388 80927 19650 69525 41841 70228 36284 12599 61393
44107 71990
Out

E11a, 7317 kHz, 0820 UTC, 15-11

640/33 Attention
34556 52455 48738 24720 55540 33634 18416 00152 08223 86491
86808 62988 24218 47741 10649 09285 66887 29940 26648 63918
63560 47122 26961 68285 11935 64000 25283 75710 87155 88805
53526 76696 95571
Out

E11a, 8091 kHz, 1045 UTC, 15-11

462/31 Attention
10871 99978 46277 22850 86323 51524 36992 64408 99205 33362
85836 69406 75139 65502 37389 12759 18757 39966 04859 75195
72049 70759 89759 67543 93574 49935 67879 60448 34072 16264
34987
Out

E11a, 9079 kHz, 0930 UTC, 24-11

275/35 Attention
03217 89739 95805 77612 68509 75580 09227 53921 27450 40022
44601 34613 12538 10598 83451 33343 60527 53737 97190 84488
22051 03551 55041 34985 68853 26498 43434 94241 74558 72894
79096 65361 95283 04076 93805
Out

E11, 4958 kHz, 13-11, 1240 UTC.
Copied by Danix

349/00. And after usual 3 minutes she sent
one group message, 51279!

E11, 8102 kHz, 23-11, 1902 UTC:
747/0000/00

E11, 8102 kHz, 30-11, 1900 UTC:
747/0000/00

http://soundcloud.com/dlbb02/20111123-1902z-8102khz-usb Recorded by DLBB.

E11, 9446 kHz, 01-11, 0900 UTC: 534/00
E11, 5082 kHz, 14-11, 0450 UTC: 416/00
E11, 9446 kHz, 14-11, 0830 UTC: 640/33
E11, 4958 kHz, 15-11, 1240 UTC: 349/00
E11, 9079 kHz, 16-11, 0930 UTC: 270/00
E11a, 8091 kHz, 16-11, 1045 UTC: 462/31
E11, 4441 kHz, 16-11, 1445 UTC: 267/00
E11, 9079 kHz, 17-11, 0930 UTC: 270/00
E11, 5082 kHz, 17-11, 1730 UTC: 416/00
E11, 4441 kHz, 19-11, 0900 UTC: 24x/00
E11, 441 kHz, 19-11, 1445 UTC: 267/00
E11, 7840 kHz, 22-11: 517/00
E11, 9446 kHz, 23-11, 0900 UTC: 934/00
E11, 9079 kHz, 23-11, 0930 UTC: 275/35
E11, 4441 kHz, 26-11, 1445 UTC: 267/00
E11, 8091 kHz, 29-11, 1045 UTC: 469/00
E11, 8091 kHz, 30-11, 1045 UTC: 469/00
E11, 4441 kHz, 30-11, 1445 UTC: 287/00

E11a, 5082 kHz, 1730 UTC, 10/11

412/38 Attention
54537 23754 29739 29604 37310 40809 13270 95648 43804 72071
25560 66928 66164 87913 69476 72531 75157 38449 92037 98405
03545 62319 22579 17993 32326 29473 58944 64412 14193 82660
16563 62397 47222 98276 46751
63714 85629 67874
Out

E25

E25 was quite active in November with lots of weird transmissions, Windows XP sounds and oddities. This is a very chaotic station. When I listen to the transmissions I always get the feeling that they are extremely drunk ☺   Thanks to Manolis for his logs.

E25, 6140 kHz, 1029 UTC, 12-11:	672 0542 2026 1581 3965 9742 3613 7499 5653 4420 4080 YL/EE
E25, 6140 kHz, 1044 UTC, 12-11:	126 46 128 2561 4901 9421 9659 4112 2021 3029 0859 6253 9421 YL, 12 rptd, Mx3, EOM, WinXP logoff sound
E25a, 6140 kHz, 0758 UTC, 13-11:	364 8 YL/EE
E25, 6140 kHz, 0814 UTC, 13-11:	014 2955 8260 1882 1474 3692 4214 3202 4130 5863 2298 7852 8222 8260 0241 YL, EOM
E25, 6140 kHz, 0829 UTC, 13-11:	UNID song QRT 0830 UTC
E25, 6140 kHz, 0844 UTC, 13-11:	169 1147 6241 2994 3121 7134 0255 6116 YL, pause, EOM
E25, 6140 kHz, 0922 UTC, 13-11:	1 WinXP sounds ("dings")
E25, 6140 kHz, 0930 UTC, 13-11:	333 4080 0240 2423 4619 4790 0501 2353 0240 353 2 YL 3 rptd Mx3, EOM
E25, 6140 kHz, 0945 UTC, 13-11:	350 3111 0120 8111 5454 6778 9104 1547 6490 0362 8504 0120 YL
E25, 6140 kHz, 1000 UTC, 13-11:	570 2939 1077 1357 3913 5789 7715 6178 0405 5354 2708 4471 575 63 YL, 57 rptd, Mx3, EOM
E25a, 6140 kHz, 1030 UTC, 13-11:	675 85 86 YL, Mx3, Rx3, EOM
E25, 6140 kHz, 1045 UTC, 13-11:	126 46 128 (as of 12/11) YL, 12 rptd, Mx3, EOM
E25, 6140 kHz, 0816 UTC, 14-11:	185 3459 4180 1561 5476 9186 5623 2129 0999 5518 7220 8939 YL, no spaces, EOM only, carrier, WinXP sound
E25, 6140 kHz, 0829 UTC, 14-11:	701 5411 9260 8121 5674 6137 5597 3147 1402 0419 5535 7550 9260 140 YL, EOM, UNID song, carrier, WinXP sound
E25, 6140 kHz, 0843 UTC, 14-11:	169 (as of 13/11) YL, EOM, carrier
E25, 6140 kHz, 0930 UTC, 14-11:	353 2 333 (as of 13/11) YL, 33 rptd, Mx3
E25a, 6140 kHz 0945 UTC, 14-11:	355 18 IO, YL, WinXP sounds, Rx3, EOM
E25a, 6140 kHz, 1000 UTC, 14-11:	575 64 YL, Mx3, Rx3, EOM
E25, 6140 kHz, 1116 UTC, 14-11:	880 0640 6161 5997 8586 9553 3130 9426 1393 5884 1037 6847 7635 6755 4470 6967 0640 YL, EOM only
E25a, 6140 kHz, 0844 UTC, 15-11:	162 79 YL, Mx3, Rx3, EOM
E25, 6140 kHz, 1044 UTC, 15-11:	WinXP startup sound
E25, 6140 kHz, 1115 UTC, 15-11:	887 8 YL, WinXP sounds, Mx3, Rx3, EOM
E25, 9450 kHz, 1259 UTC, 15-11:	carrier for 1 minute
E25a, 9450 kHz, 1322 UTC, 15-11:	788 4 5 6 8 9 12 13 785 14 carrier with buzz/breaks at 1320z, YL
E25a, 6140 kHz, 0813 UTC, 16-11:	187 5 WinXP sounds, YL, EOT only, WinXP sounds, "9...95"
E25, 6140 kHz, 0828 UTC, 16-11:	701 4811 5310 9180 8541 1295 0392 3475 5310 703 20 YL, 70 rptd, Mx3
E25a, 6140 kHz, 0913 UTC, 16-11:	955 15 YL, Mx3, Rx3, EOM
E25a, 6140 kHz, 0929 UTC, 16-11:	135 59 YL, Mx3, Rx3, EOM, AM
E25, 6140 kHz, 0844 UTC, 17-11:	701 703 20 YL, 70 rptd, Mx3, EOM
E25, 9450 kHz, 1318 UTC, 17-11:	788 4 5 6 8 9 12 13 780 Breaks, buzzes, YL
E25, 9450 kHz, 1326 UTC, 17-11:	780 7154 3090 4730 3623 6352 7877 5246 5876 4730 788 WinXP startup sound, clicks, YL, 78 rptd, Mx3, EOM
E25, 9450 kHz, 1318 UTC, 18-11:	780 788 (both as of 17/11) YL, 78 rptd, Mx3, EOM
E25, 6140 kHz, 0859 UTC, 19-11:	111 6547 5150 6101 8310 3863 6067 3236 6319 9398 5150 YL, EOM
E25, 6140 kHz, 1045 UTC, 19-11:	128 6467 4901 7340 7519 3761 8138 8813 3040 8833 7340] YL, pause, Win sounds, EOM

E25, 6140 kHz, 1044 UTC, 20-11:	128 (as of 19/11) YL, WinXP sounds, EOM
E25, 6140 kHz, 0815 UTC, 21-11:	(014)...17 2914 8836 1780 6320 1251 YL i.p.
E25, 6140 kHz, 0814 UTC, 22-11:	014 016 5855 6320 7022 3569 5705 0622 8242 0612 6768 7817 2914 8836 1780 6320 1251 carrier off-freq at 0813z, YL, 016 rptd, AM,
E25a, 6140 kHz, 1044 UTC, 22-11:	126 47 YL, Mx3, EOM Windows "ding" EOT
E25, 6140 kHz, 0815 UTC, 23-11:	014 018 1055 2520 7022 7875 8833 9950 0458 2520 2290 YL, 018 rptd, Mx3, Windows sounds, AM. Interestingly, today the YL sent the message after repeating 018. To be more specific, the procedure was: 014 018 both repeated many times, then 018 repeated some times, then "Message"x3, 1055 2520 ... 2290, "Repeat"x3, (Repeat), "End of Message, end of transmission". While the repetition of 018 indicates that the message is for 018, the last group, which contains a serial (22 -> 22) and the group count (90 -> 09), I still believe the message is for 014.
	014 02/11 and 13/11 serial: 20 (same msg)
	014 016 22/11 serial: 21
	014 018 23/11 serial: 22
E25a, 6140 kHz, 0928 UTC, 23-11:	135 60 YL, Mx3, Rx3, EOM only
E25a, 6140 kHz, 0915 UTC, 28-11:	955 1 YL "9 M 9 R 5 1 EOM" then "955 1", WinXP sounds, Mx3, Rx3
E25a, 6140 kHz, 0800 UTC, 29-11:	017 90 YL
E25a, 6140 kHz, 0830 UTC, 29-11:	702 21 YL
E25a, 6140 kHz, 0930 UTC, 29-11:	135 61 62 tone, YL, 135 61 EOT

G06

4519 kHz, 1830 UTC, 24-11

271 237 15
24156 24567 15678 24156 65478 97145
13456 87965 76890 61345 52678 98754
34267 43267 89456
237 15 00000

4792 kHz, 1930 UTC, 11-11

436 155 15
53879 47389 46739 25463 15378 35268
36789 04758 36125 74893 52718 46254
36278 46725 25167
155 15 00000

G11

6433 kHz, 11-11, 1325 UTC

296/37 Achtung
51701 30709 91327 98620 63485 68375 61640 00073 09790 61256
08008 30300 68612 70924 92350 26440 01600 13427 59923 47153
24260 00378 44855 82143 98681 91992 41965 20677 49198 24830
75441 07958 57818 02238 88141 70514 22232
Achtung, Message repeated, Ende

6433 kHz, 06-11, 1750 UTC: 270/00

6480 kHz, 14-11, 0940 UTC: 275/00

6480 kHz, 17-11, 0940 UTC: 275/00

6433 kHz, 18-11, 1325 UTC: 299/00

6433 kHz, 20-11, 1755 UTC

272/32 Achtung
69945 00773 77589 84022 96920 16058 68479 97010 32769 96214
09514 85572 73160 70873 53627 09585 35086 74659 61075 72393
65152 17835 62446 04907 61444 68703 26248 12087 53049 29356
46567 18166
Achtung, Message repeated, Ende

6433 kHz, 22-11, 1750 UTC: 270/00

6433 kHz, 26-11, 1325 UTC: 299/00

6480 kHz, 0940 UTC, 24-11

271/37 Achtung
63287 62113 46606 22837 62577 05232 23958 62744 84250 07330
89953 68116 71655 79706 14275 08474 68109 89921 04532 74105
60081 86664 81347 05689 37278 15767 82192 69153 90417 34081
67667 64509 82733 67351 12850 23668 07573
Achtung, Message repeated, Ende

S06

S06s, 11780/12570 kHz, 0930/0940 UTC, 11-11

482 7
77559 04451 60510 44165 46423 13354 01484
00000

S06c, 11168 kHz, 14-11, 1102 UTC: 11039 (repeated)

S06s, 12365/14280 kHz, 16-11, 1000/1010 UTC

729 501 6
56088 26274 64288 07482 10647 97664
501 6 00000

S06s, 12155/10920 kHz, 17-11, 1200/1210 UTC

425 903 6
21767 53672 11836 81022 36903 41412
903 6 00000

S06s, 5320/4845 kHz, 1400/1410 UTC, 17-11

624 810 5
26634 14690 95590 60386 03009
810 5 00000

S06, 7728 kHz, 1604 UTC, 19-11: 134 134 134 00000

S06, 3192 kHz, 1900 UTC, 21-11: 349 349 349 00000

S06, 3160 kHz, 1805 UTC, 23-11: 471 471 471 00000

S06, 10265 kHz, 0800 UTC, 29-11: 352 352 352 00000

S06, 5810 kHz, 1230 UTC, 29-11: 278 278 278 00000

S06, 6770 kHz, 1240 UTC, 29-11: 278 278 278 00000

S06s, 8420/10635 kHz, 14-11, 1300/1310 UTC

831 831 831 470 5
67546 32143 78645 80956 78781
470 5 00000

S06, 3838 kHz, 14-11, 1905 UTC: 349 349 349 00000

S06s, 6880 kHz, 16-11, 0820 UTC: 471 250 6 36807
S06s, 7840 kHz, 16-11, 0830 UTC: 471 250 6 36807
S06s, 7030 kHz, 16-11, 1200 UTC: 481 970 5 19689
S06s, 6305 kHz, 16-11, 1210 UTC: 481 970 5 19689
S06s, 4580 kHz, 16-11, 1230 UTC: 967 ...
S06s, 6420 kHz, 16-11, 1240 UTC: 967 230 5 04641
S06s, 8530 kHz, 16-11, 1900 UTC: 371 845 6 52861
S06s, 7520 kHz, 16-11, 1910 UTC: 371 845 6 52861

S06s, 11780/12570 kHz, 18-11, 0930/0940 UTC

516 280 7
98605 85256 17294 14674 65321 66412 52565
280 7 00000

6788 kHz, 1605 UTC, 26-11: 134 134 134 00000

5070 kHz, 22-11, 1500 UTC

537 537 537 204 6
52655 52124 63386 04414 06024 65543
204 6 00000

S06, 3838 kHz, 1905 UTC, 28-11: 349 349 349 00000

S06, 5070 kHz, 1500 UTC, 29-11: 537 537 537 00000

S06, 6337 kHz, 1510 UTC, 29-11: 537 537 537 00000

S06s, 7030 kHz, 1200 UTC, 30-11: 481 481 481 00000
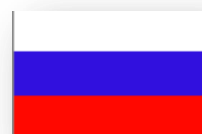
S11a

12530 kHz, 14-11, 1015 UTC: 475/00	9610 kHz, 18-11, 1020 UTC: 426/00
4441 kHz, 14-11, 1355 UTC: 254/00	6433 kHz, 26-11, 1020 UTC: 221/00
9610 kHz, 15-11, 1020 UTC: 426/00	7503 kHz, 29-11, 0915 UTC: 484/00
6433 kHz, 16-11, 1020 UTC: 221/00	9610 kHz, 29-11, 1020 UTC: 426/00
12530 kHz, 17-11, 1015 UTC: 475/00	6433 kHz, 30-11, 1020 UTC: 221/00
7504 kHz, 18-11, 0915 UTC: 484/00	

S21

3323/3823 kHz, 17-11, 22-11, 24-11, 1842 UTC:

323 323 323 891 36
46422 54755 24607 39080 53711 83024 91664 82072 17832 05317
54259 53905 25005 58197 10283 07571 06586 16025 06440 19945
25350 46149 96197 92600 56382 14067 19512 64043 55179 76188
31159 32413 33249 68949 40040 58166
891 36 000

Note: at 1856 on 22-11 the signal ended with a Windows sound

S28 family
(S28, S5426, S6930)
The Buzzer / UVB-76 / MDZhB

S28

03-11	1325	MDZhB 75 475 Izachen 05 07 21 67
07-11	1134	Male voice. MDZhB 29 834 Azarin 26 73 49 54 Ezhemua 84 90 57 32
10-11	1110	MDZhB 81 234 DZhAVEC 67 46 16 75
14-11	1248	Male voice. Heavily distorted signal. MDZhB 96 595 Vechyeya 69 23 95 58. Repeats: MDZhB 96 595 Vechyeya 69 200 20 sboĭ sboĭ sboĭ sboĭ sboĭ sboĭ sboĭ sboĭ MDZhB 96 595 Vechyeya 69 23 95 58
14-11	1252	Male voice. Heavily distorted signal. MDZhB 19 345 Veshnii 58 13 22 31 Nechutkost' 71 13 51 76
20-11	0553	Buzzer on its 4th harmonic 18500 kHz
	0659	Buzzer on its 3rd harminic 13875 kHz
20-11	1132	Male voice. MDZhB 04 128 Pekhotinets 3327 8882
	1134	Male voice. MDZhB 04 978 Seunch 3494 4359
20-11	2217	Parasitic transmissions on every 42,5 kHz from 4625 kHz: 4625, 4667.5, 4710, 4752.5, 4795, 4837.5 kHz

On the 11th a double carrier was sometimes visible via an analyzer. On the 12th a weird sounding buzzer was heard. This continued in the following days. The LSB component is present. The ratio between noise and buzzes is varying, as if they are emitted by two transmitters.

Jan Machalski sent me two text corrections to the text on N&O #169 page 11.

109 ЧТ-250 (109 ChT-250) means "частотное телеграфирование, сдвиг частоты 250 Гц" = frequency-shift keying telegraphy, frequency shift 250 Hz. At the Povarovo radio center this FSK transmitter Nr 109 was operating on 27590 kHz and 24955 kHz via the antenna Nr 195 in the radio network Nr 625.

p/c Nr. means "radio network Nr" not "aerial system number"

Thanks for your input, Jan.

Fritz browsed through the documents that I mentioned last month and jotted down the frequencies that were mentioned in the logbooks. Lots of them are familiar and were logged by Fritz and other UDXF-members.

3217	4471	5427	6484	7729	7977	13568
3333	4489	6220	6779	7789	9208	14092
3349	4562	6222	6821	7859	10268	14440
3354	4625	6242	7038	7962	12705	17454 kHz
4009	5116	6356	7050	7967	12707	
4195	5376	6470	7679	7969	12847	

TV-Novosti, Channel "RT TV" aired an item about the buzzer:
http://rt.com/news/buzzer-radio-uvb-76-333/

Among the hundreds of radio stations in Russia, there is one that is seemingly out-of-this-world. Instead of music or news, these broadcasts are of mysterious voices and noises which have radio enthusiasts baffled.

The monotonous sound, more reminiscent of the endless signal of a ferry lost in the fog, has been gripping the imagination of radio spotters world-wide for over three decades.

The mysterious UVB-76 also known as The Buzzer.

"It first aroused my interest because it is so strange. Personally, I think it is a legacy device that has been left over from the late '70s or '80s from the military operations of the time. Its original purpose has been forgotten," **radio spotter Stefan Meyers says.**

And the *"strange"* sound has been going all the same since the start, whenever that was. The Buzzer features a short, monotonous buzz tone, repeating at a rate of approximately 25 tones per minute, 24 hours a day. The station has been observed since around 1982.

Sometimes the buzzer stops and a male robot-like voice lists some names and numbers in Russian. *"Mikhail, Dmitry, Zhenya…"* is heard from the radio receiver. It is so mysterious; some believe it is the Soviet Union's, and now Russia's, contact with spies. Or even civilizations from other worlds…

Despite much speculation, the actual purpose of this station remains unknown to the public. Yaroslav Raguzin, a radio spotter from the Moscow Region, has been a radio fan since his childhood. He has also had his share of The Buzzer. But his explanation of its purpose is much more down-to-earth. *"This sort of connection is extremely reliable. It will shut down in case of a large nuclear explosion, but only for a few hours. It's not dependent on anything that's why it's still widely used today by the army,"* Yaroslav says. The idea is pretty simple. A military radio station sends out the Buzzer, which is received non-stop by other army bases. By stopping the buzzer, the operator signals that a command code of letters and numbers is about to be broadcast. When the transmission is complete, the Buzzer turns on again. Yaroslav said Moscow's radio-spotting community knows where the signal used to come from – a base outside the capital.

RT's team decided to check what the so-called base looked like. And in reality they saw only an old ruined building. Mikhail Solovyov was the only living soul they could find on the spot. He used to work at the base and still lives in a village nearby. *"This used to be one of the best units in the country, but two years ago we received an order to shut it down. We were told it was too energy-consuming. There is also another similar unit. It still operates,"* Mikhail Solovyov says.

Could it be that The Legendary Buzzer used to beam out of this building? And where is the signal coming from now?

RT's Egor Piskunov did not find any signs of the mysterious transmitter there because the equipment was literally ripped out of the walls of the building when the base was shut down. But some remnants were actually still there, like the journal that he found, with the last entry dating back to May 2009.

The sound is definitely still there, wherever it is coming from, buzzing through the radio ether almost as if it always has…and always will. A simple, but very reliable, piece of technology that has conquered the minds of thousands.

S5426

No reports.

S6930

10-11	0559	Ops chat	Recording by ScanSweden available
10-11	0608	Ops chat	Recording by ScanSweden available
12-11	0543	Ops chat	
12-11	0552	Telephone call	
12-11	0559	Telephone call	
15-11	1129	Female voice. 10-counts	
15-11	1130	Male voice. 10-counts	Recording by ScanSweden available
19-11	1344	Male voice. Katok-65 52429 Ostrie 2802 6667 Priyom	Recording by ScanSweden available
19-11	1539	Male voice. Katok-65 19129 Vertel 9370 8118 Priyom	Recording by ScanSweden available

22-11	0639	Katok-65 677 44 Zont 16 29 11 74 Priyom	Recording by ScanSweden available
22-11	0912	Katok-65 607 06 Izba 41 10 11 02 Priyom	Recording by ScanSweden available
22-11	1132	Male voice. Katok-65 36 538 Prohod 95 27 95 83 Priyom	Recording by Avare available
23-11	0716	Female voice. Counting 3333	Recording by ScanSweden available
23-11	0718	Female voice. 10-counts	Recording by ScanSweden available
23-11	0724	Male voice. Katok-65 125 93 Karandash 49 37 28 16 Priyom	Recording by ScanSweden available
23-11	0738	Male voice. 2 2 1 2 3 4 56 7 8 9 10	Recording by ScanSweden available

The station transmits tactical messages like the Buzzer does, but many transmissions on 6930 kHz consist of operator chats or telephone calls like these. Both Trojan and Jan Machalski have tried to write two chats down and translate them but it is difficult to translate this professional chat about various settings and operation of the communications equipment. The following words were mentioned: equipment, transistor, switch, recording, error, primary equipment 154, callsign Vulkan, 31 2 5 11, 204, etc.

This is a translation of what was heard. As said, it was difficult as not everything was heard and it was a technical discussion. Thanks to Trojan and Jan for giving it a try.
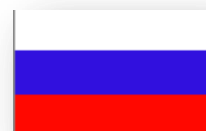
0559 UTC
...It seems like plus one and a half, 305. Equipment - two and a half. Have you set up a transistor? [...] 10 [...] That's when we're talking on an opened switch. The equipment is defective [...] we're the primary[...]. Now give the channel again [...] have you measured that? Measure that [...] 1 5 4, what's next there? Where is this going?

0608 UTC
1 5 4... How do you give that? "Vulkan", how do you give that - on [...] or... Which system? She told me that system [...]... How much? 31 2 5 11.
Now listen to me carefully. I give her from the equipment [...] two and a half, she gets [...] 1 5 4 [...] ...OK? Why is that happening? And set up a transistor because of [...] I've quarrelled with everybody, I said that streaming RT (???) is 204th, she said [...]

S30 – The Pip

Active on its usual day (5448 kHz) and night (3756 kHz) frequencies throughout the month.
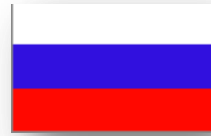
The station is quite active but we hardly receive any logs. Tucana however is following the station on a daily basis and his logs and station profile can be found on http://priyom.org/blog.aspx
The only log that N&O received is this one:

3756 kHz, 14-11, 1813 UTC:
Dlya V2MZ ZhSK4 SB7Z TAZ7 PYCM Y8VM 8MUO TUZR 5J7Shch Zh7NZh YMA5

On 26-11 we noted the harmonic of 5448 kHz on 10896 kHz. Good audible in The Netherlands and really loud in Poland.

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 since 27 October: 13200 kHz.
Schedules at 0500, 0600, 1200, 1300 UTC.

V15 – intel via Radio Pyongyang

Dauntless copied a station that sounds like V15. The station ended its regular messages in December. This asks for further investigation. Check 3250/3320/6400 kHz on the hour. Maybe you'll get lucky. If you do, please let us know !!!

3250 kHz, 0000 UTC, 10-11. Mode: AM.

Dauntless says "Caught the beginning and the call up tune, but strength faded rapidly afterwards."

Radio Pyongyang pennant

V24

5115 kHz, 06-11, 1402 UTC. Music followed by coded messages

V30 – Vietnamese numbers

V30 re-appeared on 10255 kHz on 04-11 at 1600 kHz after a silence of four months. Both V30 and its Morse sister M97 are now on the air. See our Logs Section for all the logs.

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, 5328, 5700, 5832, 6479, 6771, 6840, 6855, 6860, 6949, 6960, 7090, 7608, 7684, 7726, 7744, 7756, 7770, 7864, 7865, 7880, 7890, 7924, 8000, 8025, 9000, 9169, 9192, 9290, 9340, 10508 kHz.

7890 kHz, 01-11, 0603 UTC	5328 kHz, 19-11, 0958, 1218, 1349 UTC
7890 kHz, 03-11, 0558 UTC	5328 kHz, 20-11, 1440 UTC
7890 kHz, 04-11, 0615 UTC	5328 kHz, 21-11, 1958 UTC
6949 kHz, 05-11, 2247 UTC	5328 kHz, 22-11, 1923 UTC
6949 kHz, 06-11, 0609, 1322, 1406 UTC	5328 kHz, 23-11, 1818 UTC
6949 kHz, 11-11, 0609 UTC	5328 kHz, 24-11, 1952 UTC
5328 kHz, 13-11, 1158, 1209, 1508 UTC	5328 kHz, 26-11, 1220, 1900 UTC
5328 kHz, 14-11, 1233 UTC	5328 kHz, 27-11, 1820 UTC
5328 kHz, 16-11, 1158 UTC	5328 kHz, 28-11, 1739 UTC
5328 kHz, 17-11, 1128 UTC	5328 kHz, 29-11, 1749 UTC
5328 kHz, 18-11, 2042 UTC	5328 kHz, 30-11, 1106, 1841 UTC
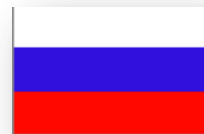
VC05 – Chinese time stamp stations

VC05 is back on 5449 kHz, 02-11, 1100 UTC. Calling 7413

MORSE STATIONS

MX - Russian Military beacons

Reported beacons and channel markers.

European Cluster Beacons: D, P, S, C, L. No reports for "A"
Note that "L" only transmits on 5156.8, 7041.8 and 8497.8 kHz
Asian Cluster Beacons: F, K, M
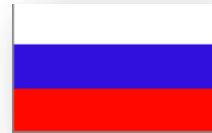
Channel markers:
V – 3658, 6809 kHz

M03

4828 kHz, 15-11, 1115 UTC: 272/00 = = 000

5358 kHz, 15-11, 1140 UTC: 784/34

5358 kHz, 15-11, 1535 UTC: 798/00 = = 000

4828 kHz, 16-11, 1115 UTC: 650/00 = = 000

4828 kHz, 17-11, 1115 UTC: 650/00 = = 000

4828 kHz, 18-11, 0820 UTC: 761/00 = = 000

4828 kHz, 20-11, 0820 UTC: 761/00 = = 000

5358 kHz, 26-11, 1140 UTC: 786/00 = = 000

4828 kHz, 27-11, 0820 UTC: 761/00 = = 000

4828 kHz, 17-11, 1320 UTC

437/36 =
56765 44542 12013 06072 30806 33585 34081 75239 61544 73937
23702 79652 24608 71276 18452 46924 53836 65792 99021 36841
07176 94721 94919 16533 30294 59249 82571 51412 79730 25921
19355 91181 54099 33889 86006 85461 =
437/36
56765 44542 12013 06072 30806 33585 34081 75239 61544 73937
23702 79652 24608 71276 18452 46924 53836 65792 99021 36841
07176 94721 94919 16533 30294 59249 82571 51412 79730 25921
19355 91181 54099 33889 86006 85461 =
0 0 0

4828 kHz, 29-11, 1115 UTC: 272/00 "VVV" at 1113 UTC

5358 kHz, 29-11, 1135 UTC: 786/00 "VVV" at 1131 and 1134 UTC

5358 kHz, 29-11, 1535 UTC: 798/00 "VVV" at 1526 UTC
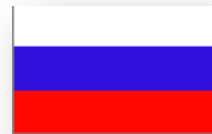
M14

4761 kHz, 1920 UTC, 23-11
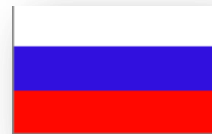
748 142 15 =
53748 46289 46376 48956 14256 74890 54638 95248 28459 91483
61824 36490 32478 74923 59305
= 142 15 00000

M18

3803 kHz, 2044 UTC, 02-11: 0045 0045 0045 0046 0046 ...
3803 kHz, 2209 UTC, 14-11: 0210 0211 0212 etc.

M12
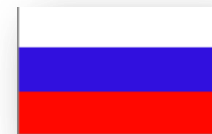
7637 kHz, 26-11, 0602 UTC: 612 612 612 000
9137 kHz, 26-11, 0621 UTC: 612 612 612 000

M21
M41   Soviet Air Defence Forces
Voyska Protivo Vozdushnoy Oborony
Войска ПВО   Voyska PVO

M21
Id "0": 3228.5, 4951.5 kHz
Id "8": 5752 kHz
Id ''9": 7913.5 kHz

M41
5350 kHz, 05-11, 0400 UTC: "I2JV I2JV I2JV ... I2JV ar", s/off at 0402 UTC

M22 – 4XZ - Israeli Navy
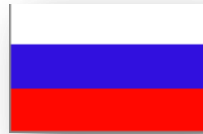
6379 kHz, 0145 UTC, 27-11: 4XZ – Israeli Navy

VVV DE 4XZ = = VVV DE 4XZ = = VVV DE 4XZ = =
"CG5C QSL NR 36/17/99 = = EO6I NR 086 TO NR 186 QQL = = PC7Q ER 776 TE GR 54 = = UZ0E NR 976 TI
GR 2MS = = AB9A NR 876 CS GR 75 = =" into 5FGs message after "NW QTC 1 NR 776 = = NR 776 TE V CY6H
523262 PC7Q GR 54"; next "NW QTC 1 NR 976 = = NR 976 AI V QD2M 020065 UZ0E GR 28"; next "NW QTC
1 NR 876 = = NR 876 CS V KT4X 500072 AB9A GR 75".

M32   Russian/CIS/Ukrainian Military SSB & CW Stations

9069.75	26-10	1504 UTC	"SLJE de 1ZHP qrj3 k", "xxx xxx wwaa1 wwaa1 k"
10164.00	05-11	0911 UTC	"xxx xxx rdl rdl 97833 88038 dvonit 3744 3414 k"

Russian Mil copied by Alex on 7653 kHz at 0300 UTC on Nov. 17th.

.... QYT4
72727 74601 23725 40433 02006 48280 01978 33996 01024 79067 bt bt
72330 93060 10878 12916 65218 75706 28617 03365 18278 23037 bt bt
72369 67557 77877 32096 72573 28082 44616 25354 17793 14786 bt bt
91476 18359 18902 45213 54965 32227 19849 26294 60734 30061 bt bt
45428 77596 09824 09508 54435 25403 41322 76608 71701 19242 bt bt

M51 / FAV22

8éme Régiment de Transmission

M51 was logged on:

03-11, 0053 UTC, 4477 kHz
05-11, 2329 UTC, 4477 kHz
06-11, 1254 UTC, 6825 kHz: FAV22
15-11, 1630 UTC, 3880, 6824 kHz
16-11, 0014 UTC, 3881 kHz
16-11, 1430 UTC, 4040 kHz
16-11, 1620 UTC, 5426 kHz
16-11, 1727 UTC, 4046 kHz
17-11, 0553 UTC, 4046 kHz
17-11, 1610 UTC, 6824 kHz
18-11, 1655 UTC, 3880, 6824 kHz
19-11, 0521 UTC, 3880 kHz
19-11, 0610 UTC, 6824 kHz
19-11, 1550 UTC, 3880, 6824 kHz
20-11, 2004 UTC, 4477 kHz
22-11, 1757 UTC, 5947 kHz
22-11, 1857 UTC, 4477 kHz
23-11, 2327 UTC, 4477kHz
24-11, 0022 UTC, 4477kHz
25-11, 1551 UTC, 10510 kHz

M51 4477kHz 0053z 03/11 Transcript:

NR 56 N Ø3 Ø1:53:38 1983 BT
QYOKU PNBPR SUOUG VJEQX KGWXJ ZUPJI YBCDQ EJIWT IKCXA DUNWL
KKSMX AUBJK UVPUQ UXHWX HLTNM HEYJS SZRAE HSXBW DCGAQ EYOEZ
HSQGZ MBRYI UZHZZ XKKPH NZLZR WQXDG NLUTR PTAKY SDPHP VBFZC
TKEFB HBADE YSJQK QYLFZ IQHTD ABAXX NJAVM MXDKS HOPBJ QIUSZ
DJYKX JMWRE VURXD NKUGM UZEAX OLFSD CAUHS RDROC ZEMCE ANYOM
QHHIK ZCPWF UHXPA CFVEE AGCZQ DSQMX ZWVKY ATEAT DGUPU GCGLD
CXJIN RMRAK ZOGNZ OZAMU CRAZZ YEXYJ RVBQV SLPNG YPWPO DLJNW
SLDGQ WQAHW XGJYH SKGNE JJHDT ZNOXK TUKEO OHIDA BXZVI NXFYC
YABHW QYFIV GCXQF JKSQQ VWWICO ESMGW YWJXW IOHRC TDTVH YQVCB
PACDO BROUQ OZWQD SIRIC VXAUW WDYXU QDJPK CDRVK FRDQV UYNII
BT

M51 4477kHz 2329z 05/11 Transcript:

NR 72 N Ø4 ØØ:29:58 1983 BT
YGQZL DQDMC WGMBN TPPWL RVQZV AAGIR BMKEH WLZMS MKHCD SWLVQ
QUFNF MKOBD UMNKD RZJIE PGZAB FSMLV SMXBX UHNJA IWNVM DUBAS
LCEJZ AGKGC PUXTI HVTBC UCLJO YUPGJ NRLOP MPFTV HIXEB UKVMP
BERQQ BMHTN YEHIB YNZXA GBWFG RXOJN XSENF NXJKA OHSVA FOTWE
ANGBP UTXGR HPURK XMPSN TWZNW GCEWP XFBKY HPLWM VJXQE EFZSM
DCKSB PRBTQ JHFGH DJONO IUTQW SUBFG AJCCT OEBLN YGZSM FVTIZ
PTCGB BNFVK JFREG ZTPYC PNKED AWCZX KGMUL ALVAB ZHWGZ JDMXE
IZEQT ZXKRQ BAZKL PYJNX IKNCG OEFZW FTNVO DGQSI POHCE UHFLH
GWDYF HGJPM VUFAY QGWBL SHOOB UYHIW BUPVZ TLNAS QTMGA TKJBJ
AELBT CTLYD JZETO TBHAP UQQDO SGXXW NXWAA MQRSB TZVAN ZFDNK
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, 5358, 5801, 7602 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	3297, 5278 kHz
V RXP7 RXP7 RXP7 DE CZT2 CZT2	4474, 5676, 6688, 6868, 8024, 8787 kHz
V H2FL H2FL H2FL DE DRV8 DRV8	3797, 4512, 6773, 8040 kHz
V WITN WITN WITN DE GNXG GNXG	4607, 7607, 8789, 10779 kHz
V HJ4I HJ4I HJ4I DE YI4K YI4K	4767, 4982, 5207 kHz
V OPN9 OPN9 OPN9 DE GYVR GYVR	5332 kHz

Message samples logged by JPL:

3297 kHz, 10-11, 2211 UTC

V GKVZ GKVZ GKVZ DE Q7NW Q7NW
MSG NR 039 CK 301 44 1111 0630 BT (2229 UTC)
ATAD D3ND ANAT 5DAU .... AR (2241 UTC)
(Repeats msg) AR (2253 UTC)
V GKVZ GKVZ GKVZ DE Q7NW Q7NW

10779 kHz, 28-11, 0009 UTC

V WITN WITN WITN DE GNXG GNXG
Message sent at 0045 UTC:
SVC GA ...4C GA NR 55084 RMKS 1385 TO 1074/1304 BT
SVC QRW 1304 QRW L181074 0930 COMM 1384 AR (x2)
V WITN WITN WITN DE GNXG GNXG

4225//5500 kHz, 25-11, 1632 UTC

V 7NPE 7NPE 7NPE DE QV5B QV5B
At 1638z a second station, about the same strength as QV5B, came up on frequency for about 1 minute. Sent a very brief message, most of which was missed due to both stations being the same signal strength. What follows is bits and pieces of what was sent by the second station:
4062 269 2993 6993 082 1939276 ....BT 342 37 46 U17NU/33NN306 BT ...3 73
I've noticed this before - possibly operator error - selecting wrong frequency? Could this be tracking information? Only lasted about 1 minute.

4225//5500 kHz, 28-11, 1229 UTC

V 7NPE 7NPE 7NPE DE QV5B QV5B
At 1300z a much weaker station came up on frequency for about 1 minute. Sent a very brief message which was missed due to QV5B being much stronger.

M97 (ex-MV30) – Vietnamese numbers

V30 re-appeared on 10255 kHz on 04-11 at 1600 kHz after a silence of four months. Both V30 and its Morse sister M97 are now on the air. See our Logs Section for all the logs.

We received the following lengthy and detailed report from T! GREAT ! Thanks for that.

It has been a while since I have reported anything, have been rather busy. But I did put together something this past weekend on a CW station I have been watching. This will be rather a lengthy post, sorry in advance for the size.

In late August Ary Boender emailed me about a CW station on 10375 kHz at about 1500 UTC daily that had been reported to him by a listener out of Russia. The station was first reported on July 1, 2011.

Interestingly enough the last V30 transmission (for quite a while) was on June 30, 2011, the day before the first reported reception of the unknown CW station. Naturally I have no idea if this was coincidence or not, and the Morse station could have been around for a while but unnoticed before that time. Ary has assigned it the N&O ID of MV30. I carry it in my log as UnkCW/MV30. It is sending 5f format and its actions are similar to Vietnamese V30.

From August 26, 2011, on I started to record this station. Things have been hectic and busy, so I really did not have time to look at the recordings until just this last week. That means I reviewed over 3 months of activity in a few days. The trends showed up nicely, but it took a bit of time ;)

The habits of this station are indeed very similar to V30. Like V30 it transmits 3 identical messages a day, one right after the other with a short pause between each. Like V30 it sends the same message for weeks on end. Like V30 it occasionally skips days, in no particular cycle that I can determine. Several other factors tie it in to V30 even more closely than the format/habits.

The message is sent three times total with pauses between each set. Generally any errors in the first transmission are also in the subsequent, they are probably all from the same recording/script. There is a noticeable pause each 5 groups, with longer pauses each 10 groups, the first long pause is after the first 5 groups. Most messages begin with 29 "A"s being sent and end with 29 "K"s.

The format for each transmission is pretty stable with a few minor variations, this is the SD 61 message sent from August 26, 27, and 28 of 2011, I have no recording for the 29, so I do not know if it was sent that day (my comments in parenthesis):

Sound examples for SD61-SD66 and test message are here :
http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_SD61_Aug28_2011_1459_56_start.mp3

http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_SD62_Sep17_2011_1459_48_start.mp3

http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_SD63_Oct17_2011_1459_24_start.mp3

http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_SD64_Nov21_2011_1455_20_start.mp3

http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_SD65_and_SD66_Nov24_2011_1455_15_start.mp3

http://www.token.hpathome.net/SharedFiles/AudTfer/MV30_10375_no_num_Sep22_2011_start1459_41.mp3

SD 64 was sent from October 28 to November 23, 2011

Note the inclusion of "KVD" in the message ID string and note the return to "TK"

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
SD 61 SD 61 SD 61   (sequential message ID, new message gets next number)
TK TK TK   (some messages use HT instead of TK)
SN 68 SN 68 SN 68   (number of groups in the message)
01349 88612 83023 54593 56388
70628 01540 01009 86550 63662
04306 66852 73054 92304 97918
32101 70134 240GG0 06841 19598
23918 24299 67792 22449 32321
73442 96924 58311 32789 15911
75587 37122 11650 17642 08853
03536 28475 87871 59818 61337
07878 48607 37792 06672 04710
12932 26694 59010 43100 13383
30845 03991 67261 72332 07610
75718 99979 00737 87251 53819
49441 67009 33507 46517 77738
47478 77978 34501
KKKKKKKKKKKKKKKKKKKKKKKKKKKKKK

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
SD 64 KVD SD 64 KVD SD 64 KVD
TK TK TK
SN 95 SN 95 SN 95
58149 35329 08081 40308 87100
32061 43616 33538 74789 15161
16362 67723 36698 85412 35119
07900 36922 39898 09136 93108
97239 33001 26291 37953 75372
00885 16931 65937 43954 49516
98962 10054 59374 22578 52971
73846 11534 98126 60791 00082
66374 32282 32617 05737 29717
93050 44885 07461 36163 52385
24374 80358 10885 89797 39014
65545 21601 36438 86068 09202
32974 85304 44156 58229 28558
88743 10093 15298 26144 09636
37918 59887 20273 45489 84828
72721 85159 40262 34752 61929
10025 99246 84561 86592 87715
45964 90459 32288 60359 36932
65399 83176 65565 89102 22816
KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK

SD 62 was sent from August 30 to September 20, 2011.

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
SD 62 SD 62 SD 62
TK TK TK
SN 37 SN 37 SN 37
63105 36602 84357 97526 25845
65787 48454 59083 49249 29744
40416 25323 55781 87075 25418
07129 80922 21561 97521 42194
20518 16561 33298 38215 37968
84497 64675 74522 03668 51540
10998 85261 23007 89026 54534
26627 45386
KKKKKKKKKKKKKKKKKKKKKKKKKKKKK

SD 63 was sent from September 23 to October 24, 2011.

The "A" string started with two close spaced "dahs", this was probably an error and should have been an A because only 28 "A" were sent instead of the normal 29. Note the use of "HT" instead of the "TK" previously used.

AAAAAAAAAAAAAAAAAAAAAAAAAAAA
SD 63 SD 63 SD 63
HT HT HT
SN 40 SN 40 SN 40
02408 38628 11905 44216 30065
42023 44982 79013 28310 90621
55205 93780 95077 91156 17955
74897 43552 47680 38796 11317
63836 63552 63849 84496 56253
73059 67562 16075 28845 50578
60917 39506 11037 50564 66467
00714 27862 83529 12903 44430
KKKKKKKKKKKKKKKKKKKKKKKKKKKKK

Starting November 24, 2011, and continuing to date (November 30, 2011) the station changed its format slightly. A single transmission contained two message IDs (SD 65 and SD 66) and two messages run together in one transmission. This was repeated three times as any normal single message would be. The message and format is shown below:

Note the inclusion of "KKK" in the message ID string for both message segments. Note the return to HT from TK for both message segments.

TAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
(only 28 As following the T)
SD 65 KKK SD 65 KKK SD 65 KKK
HT HT HT
SN 80 SN 80 SN 80
47118 52489 43100 93916 77996
40849 44635 59664 91856 62647
48955 77958 62681 98142 63146
41036 15091 64668 35293 48222
69605 75478 59905 94347 08402
29903 20106 63539 90858 95800
14788 50800 49646 49558 31093
42477 94028 26995 30499 23129
56233 91117 06603 65105 62822
67351 43230 07004 14713 23019
85105 12346 39350 84708 30754
75722 40201 65393 35854 54337
79271 90826 63437 89154 25480
95590 78518 81920 56272 84005
16039 64430 19599 01237 75525
27765 91206 05562 79055 05059
KKKKKKK   (only 7 "K"s)
AAAAAAA   (only 7 "A"s)
SD 66 KKK SD 66 KKK SD 66 KKK
HT HT HT
SN 15 SN 15 SN 15
52705 52285 21261 68820 34500
28265 59574 71522 94541 10521
63335 13641 35400 72899 87185
KKKKKKKKKKKKKKKKKKKKKKKK (only 24 Ks)

The station has transmitted one message that did not fit the above formats. For one day, on September 22, 2011, after the last transmission of SD 62 on September 20 and one day before the first transmission of SD 63 on September 23, the station sent a message that was not in 5 figure groups, but rather seems to be clear text. A translation of the text looks like an advertisement for deodorant. Was this filler gone bad? Was it an accidental transmission? I have no good explanation for it, but similar messages have been noted on other frequencies at other times, I suppose I will have to add those frequencies to the watch list and see if there is ever coded traffic on them.

September 22, 2011, message, my comments are in parenthesis and these were not part of the message:

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA (30 "A"s)
TREN THI TRUONG HIEN SSY CO
MOT SO SAN PHAM CO TAC DUNG
LAM GIAM TIET (longer pause)
MO HOI NHIEU. NOI 5AT TRONG
SO DO CO SAN PHAM VOI
NGUON GOC CHIET (longer pause)
SUAT TU THIEN NHIEN NHU
CAC CO, CAC LOAI LI VI
?(dah di di dah dit)AC CHIT
HOAN TOAN AN TOAN VA
KHONG ANH HUONG CUNG NHU
CO TAC DUNG PHU VOI CO
THE (longer pause)
CON NGUOI, SAN PHAM DUOC
BAO CHE DUOI DANC VIEN
NEN AN TOAN VA DE SU
DUNG (longer pause)
CAC THUC PHAM CHUC NANG
CO NHIEM VU GIU NUO?(di di di dah dit)
TRONG TE BSO, LAM GIAM (longer pause)
HOAT DONG QUA MUC CUA
THAN KINH GIAO CAM,
DO VAY LIM GIAM SU TIET (longer pause)
MO HOI TRONG LOSG BAN
TAY, BAN CHAN VA CO THE
TOAN THAN.
KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK (33 "K"s)

Comments by Ary Boender:

Although the following translation is poor it says some-thing like this:

On the market ...
A number of products ....
Effect reduce periods ...
too much. the ....
Origin extract …
Capacity of natural .... types VI LI
.... is perfectly safe
No impact and .....
.... the product is prepared in Danc Vien safer and ....etc.

That was also the contents of earlier non 5FG messages. I think that these are test or training transmissions.

This is the translation of two older messages:
"Prominent among the available products with extracts derived natural capacity of plants, mammals and the chat is completely safe and khong impact and side ef-fects have the elephant the people, products Formulated tablet form safe and easy to use functional foods task of keeping water in the cell, reducing overactive sympa-thetic nervous crab, by borrowing reduces the secretion sweating in the palms, feet and have the whole body."

"Not so long ago! gmail chen hinh da add functionality expression on the email compose window! help you to send email with many different feelings, now! gmail adding hybrid Smilies de you the option, not long ago! gmail chen hinh da add functionality expression on the email compose window! help you to send email with many different feelings, now! gmail"

Indicators that this signal is (or at least might be) somehow related to V30:

1. **Actions are the same, one message, repeated three times each day, short pause between each one.**
2. **Start time is "about" 1500, much like V30 starts "about" 1600. Start time actually moves forward slightly each day, again as V30 does.**
3. **The same message can be sent for weeks on end.**
4. **The station periodically skips one or more days, with no readily discernable cycle/pattern.**
5. **SD probably stands for So Dien, the same term used in V30 for message ID.**
6. **SN probably stands for So Nhom, the same term used in V30 for group count.**
7. **The station was first noticed the day after the last V30 transmission for an extended period of time. V30 was off the air (as far as I know) from July 1 to November 4, 2011.**
8. **Since November 4 any day this station is not on the air neither is V30. MV30 has been on the air 3 days when V30 was not.**
9. **On November 9 both stations had identical but very minor audio issues, a very little bit of crackling in the audio that was not related to atmospherics.**
10. **Since November 5 (first noted V30 and MV30 on the same day) the start times for the first transmission of the day for the two stations have been essentially identical, often to the second, except V30 starts one hour later (the largest variation I have seen is 3 seconds). My guess is they are being started from the same clock.**

I will mention there is no correlation between message lengths or change dates with V30 and MV30 that I can tell. So, while they are almost definitely related in some way they do carry different messages and traffic.

Dates in November, with start times of first message of the day in UTC, all times +/- 1 sec as I round to the closest second in my log.

Chart of Times for both V30 and UnkCW/MV30 for month of November:
http://www.token.hpathome.net/SharedFiles/ImageTfer/Start_times_Nov2011_V30_and_MV30.jpg

Chart of first message start times daily, comparing V30 and MV30 for month of November, 2011.

Date (in November)	V30 Start time	UnkCW/MV30 Start time
05	1555:41	1455:41
06	1555:39	1455:40
07	No TX	No TX
08	1555:36	1455:37
09	1555:36	1455:36
10	No TX	1455:34
11	No TX	No TX
12	No TX	No TX
13	No TX	No TX
14	1555:29	1455:28
15	1555:27	1455:26
16	1555:28	1455:25
17	1555:24	1455:24
18	1555:23	1455:23
19	No TX	No TX
20	No TX	No TX
21	1555:20	1455:20
22	No TX	1455:20
23	1555:18	1455:18
24	1555:18	1455:16
25	1555:13	1455:14
26	1555:14	1455:14
27	1555:14	1455:13
28	1555:13	1455:12
29	1555:09	1455:10
30	1555:08	1455:09
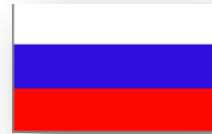
In the period September – November M97 skipped transmissions on the following dates:

02-09-2011 10375 kHz CW No transmission
03-09-2011 10375 kHz CW No transmission
04-09-2011 10375 kHz CW No transmission
06-09-2011 10375 kHz CW No transmission
09-09-2011 10375 kHz CW No transmission
10-09-2011 10375 kHz CW No transmission
11-09-2011 10375 kHz CW No transmission
12-09-2011 10375 kHz CW No transmission
13-09-2011 10375 kHz CW No transmission
14-09-2011 10375 kHz CW No transmission
21-09-2011 10375 kHz CW No transmission
25-09-2011 10375 kHz CW No transmission
27-09-2011 10375 kHz CW No transmission
04-10-2011 10375 kHz CW No transmission
05-10-2011 10375 kHz CW No transmission
06-10-2011 10375 kHz CW No transmission
07-10-2011 10375 kHz CW No transmission
08-10-2011 10375 kHz CW No transmission
09-10-2011 10375 kHz CW No transmission
12-10-2011 10375 kHz CW No transmission
16-10-2011 10375 kHz CW No transmission
19-10-2011 10375 kHz CW No transmission
20-10-2011 10375 kHz CW No transmission
21-10-2011 10375 kHz CW No transmission
23-10-2011 10375 kHz CW No transmission
25-10-2011 10375 kHz CW No transmission
26-10-2011 10375 kHz CW No transmission
30-10-2011 10375 kHz CW No transmission
07-11-2011 10375 kHz CW No transmission
11-11-2011 10375 kHz CW No transmission
12-11-2011 10375 kHz CW No transmission
13-11-2011 10375 kHz CW No transmission
19-11-2011 10375 kHz CW No transmission
20-11-2011 10375 kHz CW No transmission

T!
Mojave Desert, California, USA

VARIOUS MODES
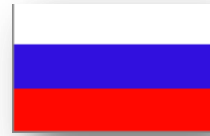
M42 & X06 - Russian Government / Intelligence

6778	03-11	0505	Russian Gov/Intel. Mode: Baudot 50/500. Marker ".../138/138/138/138/138/..." into CW op-chat with PR6O
9140	07-11	0742	Russian Gov? Mode: CW "rrf30 rrf30 rrf30 de ruu70 ruu70 zhc? zhc?" into slow revs and traffic using F1B 50/500
6917	09-11	1919	Mazielka
6782	09-11	1937	Mazielka
14950	14-11	0940	Mazielka. Sequence: 352416
8105	15-11	1640	Russian Gov/Intel. Mode: Baudot 200/500
6923	15-11	1650	Russian Gov/Intel. Mode: Baudot 200/500
6867	15-11	1700	Russian Gov/Intel. Mode: FSK 200/500
5230	15-11	1710	Russian Gov/Intel. Mode: FSK 200/500
8105	16-11	1640	Russian Gov/Intel. Mode: Baudot 200/500
12055	21-11	1621	Mazielka. Sequence: 25613
19305	22-11	1320	Russian Gov/Intel. 5FGs 10 per line, ends with F1B CW "qru gb sk". Mode: Baudot 50/500
16214	22-11	1407	Russian Gov/Intel. Mode: FSK 200bd/1000 ACF=288
17463	22-11	1512	Mazielka. Sequence: 256134
3827	22-11	2111	Russian Gov/Intel. Mode: FSK 200/1000
16103	22-11	1640	Russian Gov/Intel. Mode: Baudot 75/500
14514	28-11	0120	Russian Gov/Intel. 3F 2F 5F 5F offline crypto. Mode: Baudot 200/500
4850	29-11	0445	Russian Gov/Intel. RBI wkg RII2. Traffic + op-chat "WAG 7 RABOTU - POLURAJ HOROGOA ...". Mode: Baudot 50/500 + CW

XP family

XPA, 7523 kHz, 22-11, 1920 UTC.
Decoded with Rivet-13

158 158 158 000 158 158 158 000 158 158 158 000
139 6 01717 00001 00000 10140

XPA2, 5336 kHz, 03-11, 2030 UTC
Decoded with Rivet-13. Not 100% ok

91766 09006 99397 91371 98226 70281 62356 39090
48842 21682 46394 19377 45482 52961 26066 43289
66430 50529 81925 13972 10959 77323 77355 87062
99395 83240 29795 62294 60944 55353 11861 77941
37986 63177 91681 44107 25061 84574 25093 58002
89911 34366 90936 23266 55735 57558 31688 57563
42284 99329 83172 83780 10418 53908 04536 05920
98962 46030 49652 16019 47895 89369 06453 04137
44139 70154 86662 83616 80141 16385 66926 81223
95117 70653 0773 6655 60031 8089919966 6136 0695
3414 66634 0041 4595 22222 22203 40138 28680 53014
29816 59595 53110 31393 59243 67919 82744 19098
14626 60562 40365 97205 12266 45172 42549 11965
46892 09965 48558 51702 04114 50008 30705 99840
65135 22838 81746 40899 65033 54821 24499 40570
39816 80760 91739 32564 93301 42000 84344 04729
99836 81464 72627 39304 75782 48938 84210 11255
01428 81772 91102 02644 61552 51029 91266 60772
08113 42249 40965 51508 47362 58697 20554 82444
31725 54767 17600 83889 95873 72183 18489 55888
36739 75967 73171 96411 21359 65435 86408 86205
20952 19932 66011 76673 83522 25074 97168 08209
77796 10142 38271 92569 00838 87665 69206 67431
67342 68374 36513 26830 09098 97389 14271 26203
55536 52301 79224 14495 57311 92627 76015 87458
51143 31915 1141 60855 66961 77555 04839 88801
1009 1944 73577

XPA, 6823 kHz, 22-11, 1940 UTC
Decoded with Rivet-13

158 158 158 000 158 158 158 000 158 158 158 000
01717 00001 00000 10140

XPA2, 4636/4536 kHz, 2050 + 2110 UTC, 22-11. Decoded with Rivet-13. A bit garbled.

00977 00165 71680 43132 03416 72418 12608 37075
01773 04791 97426 70182 91319 23956 50691 77649
52582 53854 22664 00754 29260 12984 13619 42608
94317 34059 80067 90483 61321 52536 22739 64109
08797 32935 49844 28282 31273 96491 96695 08396
06756 63704 98053 18056 19054 10051 50175 57306
49922 74156 32280 80020 24078 43482 16440 70780
55669 34436 79701 72823 36230 01648 49036 35473
22669 27577 83495 93464 36533 58145 99519 82364
81423 44006 55729 25072 41602 7295 22442 01169
24566 0055 19933 56699 22111 149 45309 6684 69449
33711 433791 5844 26695 59586 65303 0002 83027
82778 90329 72908 611 611 04388 44040 8626 3384
0032 03795 54115 3273 9789 27711 89543 63666 1216
0999 2468 61134 91685 63253 30877 89369 50464
04837 92129 83037 83555 33555 32769 46607 37980
81023 82081 85824 20754 72521 43619 68414 07552
67699 78721 39808 99064 57635 03912 52098 36631
72839 12518 36059 929711 15937 21747 72220 50285
14262 26428 08232 05671 61747 58425 07936 63855
57043 05620 88955 59183 40836 48196 73360

XSL a.k.a. Slot Machine

Japan Maritime Self-Defense Force
海上自衛隊 Kaijō Jieitai

Mode: 1500 Bd QPSK

Frequencies:

3058.0	4231.5	6249.5	6446.0	6738.0
3075.0	4280.5	6417.0	6500.0	8312.5
4152.5	4294.5	6418.9	6645.0	8587.5
4153.0	5643.0	6445.1	6693.0	8704.0 kHz

OLO32   Bezpečnostní informační služba
Security Information Service

Did anyone hear this station in November? I haven't seen logs nor did I copy it myself. The station first appeared in 2005 and doesn't seem to have a real schedule.

– **Callsign: OLO32**
– **Mode: 100bd/170Hz Sitor-B**
– **All frequencies have an offset of .36 kHz.**
– **Transmissions start with 12 idles (capital letter "A")**
– **Transmissions usually begin on the hour and half hour going right away into encrypted data.**
– **Transmissions are ca. 20-25 minutes long**
– **The station uses 2 frequencies in parallel.**

Frequencies to check are:

3159.36	4797.36	5273.36	6946.36	9081.36
3504.36	4855.36	5286.36	6986.36	9166.36
3508.36	4859.36	5345.36	6987.36	9176.36
3513.36	4885.36	5412.36	7426.36	9186.36
3805.36	4896.36	5474.36	7520.36	9206.36
3848.36	4933.36	5734.36	7593.36	9319.36
4002.36	4957.36	5798.36	7618.36	9385.36
4026.36	4959.36	5807.36	7656.36	9386.36
4050.36	4966.36	5829.36	7726.36	9986.36
4060.36	5019.36	5841.36	7746.36	10212.36
4445.36	5090.36	5853.36	7871.36	10449.36
4486.36	5102.36	5905.36	7916.36	10500.36
4489.36	5113.36	6822.36	7987.36	13406.36
4496.36	5124.36	6835.36	8004.36	14446.36
4517.36	5177.36	6844.36	8005.36	14556.36
4558.36	5185.36	6848.36	8016.36	18571.36
4754.36	5189.36	6895.36	8163.36	
4784.36	5261.36	6911.36	8176.36	

UTILITY ROUND-UP

Unid Air Defence

Same station as mentioned in N&O 162 and 163. Now on 3855 and 8012 kHz. The last **four characters** is the time, being UTC+8

8012 kHz, 2305 UTC, 18-11: AU34567DNT **T7T5**
8012 kHz, 1001 UTC, 19-11: AU34567DNT **ADDA** etc.
8012 kHz, 1223 UTC, 19-11: in progress
8012 kHz, 1349 UTC, 19-11: in progress
8012 kHz, 1627 UTC, 19-11: in progress
3855 kHz, 1702 UTC, 19-11: see below (logged by Attu and Alex)
8012 kHz, 2109 UTC, 19-11: au34567 dnt 0508. au34567 dnt 050n (0510) etc with part cut figures.
Went into very lengthy fast traffic at 22:03 '... 466227 0626 005412 ...'
8012 kHz, 1441 UTC, 20-11: AU34567DNT **UU4A**
3855 kHz, 1701 UTC, 20-11: see below (logged by Attu)
8012 kHz, 1957 UTC, 21-11: in progress
3855 kHz, 1746 UTC, 27-11 : cut number grid tracking //4088 kHz
4088 kHz, 1746 UTC, 27-11 : cut number grid tracking //3855 kHz

Logged by Attu and Alex on 19-11, 3855 kHz:

u4795u a6a474a aaaa
a7475u a7a4a4u ....
637 u47753 a303a3d t75
t734a tat3
u4775u a7t.7au t4
u47753 u3t3du6 t4
47753 u3t37t5 t5
t4775 ua7a.7.. t5
u47753 u4t4aaa t7
u47754 ada4ud7 t7
u47753 u4t3daa t8
u47754 ada4nd7 td
u47753 u4tu53n tn
u477.u .da467u at
u47753 u5tu33d aa
u4775u an4u7u. aa
u57753 u5tu4.n aa
...75u ana4n74 au
u47753 u5tu5ua a3
u4775u ana4674 a4
u47753 u6tu.d. a4
u4775u .ta4u75 a5
u477.3 u6tun34 a5

u47753 .6tun57 a6
u4775u uta47ua a6
u47753 utntu6u a7
u4775u uaa4uun ad
u47753 a7tuu73 ad
637 u3t3u3 u7an36a att
634 taan
u4775u uaa4nu4 an
u47753 u7tud44 an
u3t3u3 u7ann47 ut
u4775u uaa463u ..
u47753 u7tu737 ut
u3t3u4 u7an6u7 ua
u4775u uaa475d ua
u47753 udtuau6 uu
u7an675d ..
u4775u u.a4nu. u3
u47753 udtudan .3
u45775u u.4n64 u4
u3t3u3 udana57 u4
u47753 .dta543 u4
t4774u u...66u .5
43t3u3 4dandn6 .5

447753 4nta3u5 .5
465 44775u u3a4u46 t..6
565 u4t3u3 udand6n tau6
...53 anta4ud u7
au435567.nut
taad
u47753 4nta64n ud
au345 67nnt
....
u47753 3ttau5a 3a
447753 3tta6u4 at3u
(1733utc 3855 khz)
u47753 3ttuud. 33
uu34567dnt ta34
u47753 3ataut57 34
447753 3ata73a 35
u477.3 3atau76n 37
u4.753 3utaaa73 3d
637 u47755 uut466. tnat
6... taa3d
565 u47753 3ataa73 t.3d

Unids U34D and OBCD

3192 kHz, 1740-1750 UTC, 19+20-11, Mode: CW
"OBCD" CW marker, transmits during two time periods 40-50 and 10-20 min each hour

3326 kHz, 1650 UTC, 19-11, Mode: CW
"U34D" CW marker, transmits during two time periods 20-30 and 50-00 min each hour

3326//4112 kHz, 1824-1830 UTC, 20-11, marker "U34D"

This U34D is an elusive fellow, Attu logged him a few times in 2004 on 3421 kHz , again in 2010 on 3900 kHz. Top of the hour 5FG messages, hand keyed CW. Often poorly sent & garbled CW.

Unid 8383 kHz

Unid stations "225" calling "344" and "344" calling "205".
Mode: 8 tone MFSK at +1625Hz offset and 250Hz tone spacing using FS1045 protocol (on USB) .
Frequency: 8383 kHz
Time/date: 2216 UTC / 04-11
Logged by MCO.

Unid 5765.5 kHz

Unid station sending "X9981????" (4x); pause; repeats same message.
Real question marks. Poor tone.
Mode: CW
Frequency: 5765.5 kHz, QSY from 5765.1. Then up another 500 Hz to 5766 kHz.
Time/date: 0418 UTC / 03-11
Logged by Jon-FL

Intelligence profile:
The Philippines

BACKGROUND

The Philippine Islands became a Spanish colony during the 16th century. In 1935 the Philippines became a self-governing commonwealth. Manuel QUEZON was elected president and was tasked with preparing the country for independence after a 10-year transition. In 1942 the islands fell under Japanese occupation during World War II, and US forces and Filipinos fought together during 1944-45 to regain control. On 4 July 1946 the Republic of the Philippines attained its independence. A 20-year rule by Ferdinand MARCOS ended in 1986, when a "people power" movement in Manila ("EDSA 1") forced him into exile and installed Corazon AQUINO as president. Her presidency was hampered by several coup attempts that prevented a return to full political stability and economic development. Fidel RAMOS was elected president in 1992. In 1992, the US closed its last military bases on the islands. Joseph ESTRADA was elected president in 1998. He was succeeded by his vice-president, Gloria MACAPAGAL-ARROYO, in January 2001. MACAPAGAL-ARROYO was elected to a six-year term as president in May 2004. Her presidency was marred by several corruption allegations but the Philippine economy was one of the few to avoid contraction following the 2008 global financial crisis, expanding each year of her administration. Benigno AQUINO III was elected to a six-year term as president in May 2010. The Philippine Government faces threats from several groups on the US Government's Foreign Terrorist Organization list. Manila has waged a decades-long struggle against ethnic Moro insurgencies in the southern Philippines, which has led to a peace accord with the Moro National Liberation Front and on-again/off-again peace talks with the Moro Islamic Liberation Front. The decades-long Maoist-inspired New People's Army insurgency also operates through much of the country.

GENERAL

Name:	**Republika ng Pilipinas (Republic of the Philippines)**
	Pilipinas (Philippines)
Capital:	**Manila**

80 provinces: **Abra, Agusan del Norte, Agusan del Sur, Aklan, Albay, Antique, Apayao, Aurora, Basilan, Bataan, Batanes, Batangas, Biliran, Benguet, Bohol, Bukidnon, Bulacan, Cagayan, Camarines Norte, Camarines Sur, Camiguin, Capiz, Catanduanes, Cavite, Cebu, Compostela, Davao del Norte, Davao del Sur, Davao Oriental, Dinagat Islands, Eastern Samar, Guimaras, Ifugao, Ilocos Norte, Ilocos Sur, Iloilo, Isabela, Kalinga, Laguna, Lanao del Norte, Lanao del Sur, La Union, Leyte, Maguindanao, Marinduque, Masbate, Mindoro Occidental, Mindoro Oriental, Misamis Occidental, Misamis Oriental, Mountain Province, Negros Occidental, Negros Oriental, North Cotabato, Northern Samar, Nueva Ecija, Nueva Vizcaya, Palawan, Pampanga, Pangasinan, Quezon, Quirino, Rizal, Romblon, Samar, Sarangani, Siquijor, Sorsogon, South Cotabato, Southern Leyte, Sultan Kudarat, Sulu, Surigao del Norte, Surigao del Sur, Tarlac, Tawi-Tawi, Zambales, Zamboanga del Norte, Zamboanga del Sur, Zamboanga Sibugay.**

120 chartered cities: **Alaminos, Angeles, Antipolo, Bacolod, Bago, Baguio, Bais, Balanga, Batac, Batangas, Bayawan, Bislig, Butuan, Cabadbaran, Cabanatuan, Cadiz, Cagayan de Oro, Calamba, Calapan, Calbayog, Candon, Canlaon, Cauayan, Cavite, Cebu, Cotabato, Dagupan, Danao, Dapitan, Davao, Digos, Dipolog, Dumaguete, Escalante, Gapan, General Santos, Gingoog, Himamaylan, Iligan, Iloilo, Isabela, Iriga, Kabankalan, Kalookan, Kidapawan, Koronadal, La Carlota, Laoag, Lapu-Lapu, Las Pinas, Legazpi, Ligao, Lipa, Lucena, Maasin, Makati, Malabon, Malaybalay, Malolos, Mandaluyong, Mandaue, Manila, Marawi, Marikina, Masbate, Mati, Meycauayan, Muntinlupa, Munoz, Naga, Navotas, Olongapo, Ormoc, Oroquieta, Ozamis, Pagadian, Palayan, Panabo, Paranaque, Pasay, Pasig, Passi, Puerto Princesa, Quezon, Roxas, Sagay, Samal, San Carlos (in Negros Occidental), San Carlos (in Pangasinan), San Fernando (in La Union), San Fernando (in Pampanga), San Jose, San Jose del Monte, San Juan, San Pablo, Santa Rosa, Santiago, Silay, Sipalay, Sorsogon, Surigao, Tabaco, Tacloban, Tacurong, Tagaytay, Tagbilaran, Taguig, Tagum, Talisay (in Cebu), Talisay (in Negros Occidental), Tanauan, Tangub, Tanjay, Tarlac, Toledo, Tuguegarao, Trece Martires, Urdaneta, Valencia, Valenzuela, Victorias, Vigan, Zamboanga**

MILITARY BRANCHES

Armed Forces of the Philippines (AFP):
Army, Navy (includes Marine Corps and Coast Guard), Air Force

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INTELLIGENCE AND SECURITY AGENCIES

Office of the President
– **National Intelligence Coordinating Agency (NICA)**
– **Presidential Security Group - Presidential Intelligence Company (PSG-PIC)**
– **Philippine Drug Enforcement Agency (PDEA)**
– **Metropolitan Manila Development Authority - Security Intelligence and Investigation Service (MMDA-SIIO)**

Department of National Defense
– **Intelligence Service of the Armed Forces of the Philippines (ISAFP)**
– **Philippine Army - Intelligence Security Group (PA-ISG)**
– **Philippine Navy - Naval Intelligence and Security Force (PN-NISF)**
– **300th Air Intelligence & Security Group**

Department of Justice
– **National Bureau of Investigation (NBI)**

Department of Interior and Local Government
– **Philippine National Police - Intelligence Group (PNP-IG)**
– **Bureau of Jail Management and Penology - Directorate for Intelligence (BJMP-Intelligence)**

Department of Finance
– **Bureau of Customs - Intelligence Group (BOC-IG)**
– **Bureau of Internal Revenue - National Investigation Division (BIR-NID)**

Department of Transportation and Communications
– **Civil Aviation Authority of the Philippines - Security and Intelligence Service (CAAP-SIS)**
– **Land Transportation Office - Intelligence and Investigation Division (LTO-IID)**
– **Philippine Coast Guard - Intelligence, Security and Law Enforcement (PCG-ISLE)**

The National Intelligence Coordinating Agency (NICA) (Filipino: Pambansang Sangay para sa Pagsasamang Kaalaman) (PSPK) is the primary intelligence gathering and analysis arm of the Philippine government, in charge of carrying out overt, covert, and clandestine intelligence programs.

The NICA was founded in 1949 and abolished in 1972 by President Ferdinand Marcos under Presidential Decree 51 and replaced by the National Intelligence and Security Authority (NISA) . The agency was primarily used to track down and eliminate anti-Marcos opponents before President Marcos was forced into exile. During his reign, it was one of main government organizations accused of human rights abuses. In 1987 it was renamed the National Intelligence Coordinating Agency and merged with the Civil Intelligence and Security Agency.
Executive Order Number 492, issued on February 1, 2006, orders the NICA to activate the National Maritime Aerial Reconnaissance and Surveillance Center or NMARSC. The NMARSC shall serve as the primary IMINT provider for the Philippine intelligence community. The NICA is also responsible for counterintelligence and anti-terrorism activities.

The NICA is organized as follows:
– **Office of the Director**
– **Directorate of Operations**
– **Directorate of Production**
– **Directorate of Administration**
– **Management and Planning Office**
– **Office of the Comptroller**
– **Various Field Stations**

The Presidential Security Group (PSG) is tasked in providing security for the President and the Vice President of the Philippines, and their immediate families. They also maintain and secure all facilities and transportation assets used by the Office of the President and Vice President.

The Philippine Drug Enforcement Agency (PDEA) (Filipino: Kawanihan ng Pilipinas Laban sa Droga) is the lead anti-drugs law enforcement agency, responsible for preventing, investigating and combating any dangerous drugs, controlled precursors and essential chemicals within the Philippines. The agency is tasked with the enforcement of the penal and regulatory provisions of Republic Act No. 9165, otherwise known as the Comprehensive Dangerous Drugs Act of 2002.

PDEA is the implementing arm of the Dangerous Drugs Board (DDB). The DDB is the policy-making and strategy-formulating body in the planning and formulation of policies and programs on drug prevention and control. PDEA and DDB are both under the supervision of the Office of the President.

The agency has the following National Services:
– **Administrative and Human Resource Service (AHRS)**
– **Financial Management Service (FMS)**
– **Logistics Management Service (LMS)**
– **Internal Affairs Service (IAS)**
– **Intelligence and Investigation Service (IIS)**
– **Plans and Operations Service (POS)**
– **Legal and Prosecution Service (LPS)**
– **Compliance Service (CS)**
– **International Cooperation and Foreign Affairs Service (ICFAS)**
– **Special Enforcement Service (SES)**
– **Preventive Education and Community Involvement Service (PECIS)**
– **Laboratory Service (LS)**

The Metropolitan Manila Development Authority (Filipino: Pangasiwaan sa Pagpapaunlad ng Kalakhang Maynila, abbreviated MMDA), is an agency of the Republic of the Philippines created embracing the cities of Manila, Quezon City, Caloocan, Pasay, Mandaluyong, Makati, Pasig, Marikina, Muntinlupa, Las Piñas, Parañaque, Valenzuela, Malabon, Taguig, Navotas and San Juan and the municipality of Pateros. Metropolitan Manila or the National Capital Region is constituted into a special development and administrative region subject to direct supervision of the President of the Philippines.

The National Bureau of Investigation (NBI) (Filipino: Pambansang Kawanihan ng Pagsisiyasat) (PKP), is an agency of the Philippine government under the Department of Justice, responsible for handling and solving major high profile cases that are in the interest of the nation.

The Intelligence Service (formerly known as the Domestic Intelligence Services; Domestic Intelligence Division; Intelligence Section) is the security service arm of the Bureau which undertakes internal security operations against terrorist elements and large organized crime groups who are identified as threats to the State as well as undertake internal security operations and investigation on suspected corrupt government officials or persons deemed or identified as a security threat. It is also mandated to undertake and supervise the security training and education of government, police and military personnel (upon their agency request)on matters relating to intelligence and security and when call upon, conduct security survey and risk assessment of government (and at times, private) infrastructures classified as critical in nature.

IS-NBI operational divisions from time to time are called on by the Bureau management to assist the Special Investigative Services (SIS) in the solution of a number of the high profile-complex crime cases handled by the Bureau during the past several years.

The following operational units are still operational after a major reorganization in 2011:
– **Counter Intelligence Division (CID)**
– **Counter Terrorism Division (CTD)**
– **Criminal Intelligence Division (CRID)**

- **Reaction, Arrest and Interdiction Division (RAID)**
- **Research and Analysis Division (RAD)**
- **Technical Intelligence Division (TID)**

The Bureau of Jail Management and Penology (BJMP) supervises and controls all district, city and municipal jails. The Bureau aims to enhance public safety by providing humane safekeeping and development of inmates in all district, city and municipal jails. The BJMP operates and maintains Regional Offices in each of the administrative regions of the country, headed by a Regional Director for Jail Management and Penology.

DIIRECTORATES
Directorate for Personnel and Records Management
Directorate for Human Resource Development
Directorate for Operations
Directorate for Inmates Welfare and Development
Directorate for Logistics
Directorate for Comptrollership
Directorate for Program Development
Directorate for Intelligence, Investigation and Prosecution

The Directorate for Intelligence, Investigation and Prosecution
- **Formulates and develops policies, standards and guidelines on security and inspection activities covering areas of concern and interest for purposes of improving management of the BJMP and its units and officers down to the jail nationwide;**
- **Conducts periodic inspection of jails and renders report thereon;**
- **Conducts investigation and security audit and recommends measures to improve jail administration;**
- **Conducts impartial investigation of cases occurring within the jurisdiction of the jail Bureau and recommends appropriate measures for corrective disciplinary actions depending on the nature of cases investigated.**

Bureau of Customs - Intelligence and Enforcement Group. Under a Deputy Commissioner, this group gathers intelligence information related to Customs and economic activities; conducts internal inquiry and investigation; and exercises police authority.

The Bureau of Internal Revenue - National Investigation Division investigates tax fraud cases. It conducts surveillance on persons identified and suspected to be violators of the NIRC, and coordinates with Special Investigation Division concerned all intelligence operations including those on smuggling, syndicated crimes and use of false BIR accountable forms.

Intelligence Service of the Armed Forces. The Department of National Defense maintains an extensive intelligence apparatus: the Intelligence and Security Group.

The 300th Air Intelligence & Security Group conducts air intelligence and counter intelligence operations in support of a PAF mission.

The Naval Intelligence & Security Force (NISF) conducts intelligence and counter-intelligence operations in support of naval operations. The NISF gathers and processes data into usable information for use by operating units of the Philippine Navy Coast Watch Stations. These stations are established at vital choke points in the country.

LOGS SECTION

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
2405	M01b	11-11-2011	2110	610-450/42=52590 //3180	CW	Fri	(HFD)
2427	M01b	14-11-2011	2015	375-450/42=52590 //3205	CW	Mon	(HFD)
2427	M01b	14-11-2011	2016	375 450 42 = 52590	CW		(FN)
2436	M01b	14-11-2011	1910	853-450/42=52590 //3521	CW	Mon	(HFD)
2437	M01b	14-11-2011	1910	853 450 42 = 52590	CW		(FN)
2485	M01b	24-11-2011	2040	382 382 382 220 ... 5FGs = = 220 0 220 000 //3160 kHz	CW		(AB)
2653	M01b	25-11-2011	2002	866-330/33=57716	CW	Fri	(HFD)
2737	M32	23-11-2011	2311	Russian General Staff. Strategic msg to collective REA4 "rea4 ... 8t66t ... t = rea4" //7319 kHz	CW		(TJ)
3058	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
3075	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
3160	M01b	24-11-2011	2040	382 382 382 220 ... 5FGs = = 220 0 220 000 //2485 kHz	CW		(AB)
3160	S06	23-11-2011	1805	471 471 471 00000	AM		(AB)
3180	M01b	11-11-2011	2110	610-450/42=52590 //2405	CW	Fri	(HFD)
3192	S06	21-11-2011	1900	349 349 349 00000	AM		(AB)
3205	M01b	14-11-2011	2015	375-450/42=52590 //2427	CW	Mon	(HFD)
3206	M01b	14-11-2011	2016	375 450 42 = 52590	CW		(FN)
3228.5	M21	31-10-2011	1913	Russian Air Defense =992313??T?????	CW		(PPA)
3250	V15?	10-11-2011	0000	Caught the begining and the call up tune, but strength faded rapidly afterwards.	AM		(daunt)
3297	M89	5-11-2011	1409	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	5-11-2011	1839	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	6-11-2011	1826	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	7-11-2011	1351	(In traffic - 4 group cut numbers) AR V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-SVK)
3297	M89	8-11-2011	1344	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	8-11-2011	1638	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	9-11-2011	2244	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	10-11-2011	2211	V GKVZ (x3) DE Q7NW (x2) (Cont'd) MSG NR 039 CK 301 44 1111 0630 BT (2229Z) ATAD D3ND ANAT 5DAU .... AR	CW		(JPL-HK)
3297	M89	12-11-2011	1349	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	12-11-2011	1849	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	12-11-2011	2207	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	13-11-2011	1446	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	13-11-2011	1734	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	14-11-2011	1432	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	14-11-2011	2125	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	15-11-2011	1937	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	16-11-2011	2226	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	17-11-2011	1413	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	17-11-2011	1919	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	17-11-2011	2202	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	18-11-2011	1529	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	18-11-2011	2137	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	20-11-2011	1438	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	20-11-2011	2002	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	21-11-2011	1524	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	22-11-2011	1519	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	22-11-2011	2248	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	23-11-2011	1131	(In traffic - mostly U/R) V GKVZ (x3) DE Q7NW (x2)	CW		(JPL-HK)
3297	M89	23-11-2011	1615	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	23-11-2011	2229	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	25-11-2011	1422	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	25-11-2011	1631	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	26-11-2011	2011	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	27-11-2011	1238	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	27-11-2011	1554	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
3297	M89	28-11-2011	1228	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	28-11-2011	1937	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	29-11-2011	1326	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	29-11-2011	2056	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	29-11-2011	2239	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	30-11-2011	1151	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3297	M89	30-11-2011	2246	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3323	S21	17-11-2011	1842	323 323 323 891 36 5FGs 891 36 000 //3823 kHz	USB		(AB)
3323	S21	17-11-2011	1842	323 891 36 46422 54755 24607 39080 53711 83024 91664 82072 17832 05317 ... 31159 32413 33249 68949 40040 58166 891 36 000	USB		(Spec)
3323	S21	22-11-2011	1842	323 891 36 46422 54755 ... same message as on 14-11 //3823 kHz	USB		(AB)
3323	S21	24-11-2011	1842	323 891 36 46422 54755 ... same message as on 14-11 //3823 kHz	USB		(AB)
3521	M01b	14-11-2011	1910	853-450/42=52590 //2436	CW	Mon	(HFD)
3522	M01b	14-11-2011	1910	853 450 42 = 52590	CW		(FN)
3525	M45	17-11-2011	1802	525 525 525 891 ... 5FGs 000 //4025 kHz	MCW		(AB)
3525	M45	22-11-2011	1804	525 //4025 kHz	CW		(AB)
3525	M45	22-11-2011	1807	ip 4025 stronger //4025	CW	Tue	(HFD)
3525	M45	24-11-2011	0811	in progress //4025 kHz	CW		(AB)
3534	S06	9-11-2011	1800	471 0	AM	Wed	(HFD)
3594.7	MX	5-11-2011	2152	Beacon "D"	CW		(AB)
3594.9	MX	5-11-2011	2152	Beacon "S"	CW		(AB)
3642	M89	8-11-2011	1637	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	16-11-2011	2225	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	17-11-2011	1411	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	17-11-2011	1915	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW		(JPL-HK)
3642	M89	17-11-2011	2200	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	18-11-2011	1526	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW		(JPL-HK)
3642	M89	18-11-2011	2113	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW		(PPA)
3642	M89	18-11-2011	2134	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	20-11-2011	2000	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW		(JPL-HK)
3642	M89	22-11-2011	2247	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	23-11-2011	1616	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	25-11-2011	1630	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3642	M89	28-11-2011	1931	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW		(JPL-HK)
3642	M89	30-11-2011	2245	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
3658	MX	24-11-2011	1900	Beacon "V"	CW		(AB)
3755	M32	20-11-2011	2005	Russian Mil: RTS wkg UGU26 and RBN3	CW		(AtB)
3755	M32	27-11-2011	1804	Russian Mil: RTS in comms with RBN3, UGU4, UGU5	CW		(AtB)
3755.9	S30	26-10-2011	2051	South Strategic command, Rostov na Donu. The Pip	CW		(TJ)
3756	S30	5-11-2011	2150	The Pip	CW		(AB)
3756	S30	14-11-2011	1813	Dlya V2MZ ZhSK4 SB7Z TAZ7 PYCM Y8VM 8MUO TUZR 5J7Shch Zh7NZh YMA5	USB		(AnEur)
3756	S30	22-11-2011	1916	Pip	CW		(Daunt)
3756	S30	25-11-2011	1830	Pip	CW		(Daunt)
3756	S30	27-11-2011	1830	Pip	CW		(Daunt)
3785	M32	20-11-2011	1804	Russian Mil: UGU27	CW		(AtB)
3797	M89	5-11-2011	1406	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	5-11-2011	1836	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	5-11-2011	1914	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	6-11-2011	1831	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	8-11-2011	1343	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	8-11-2011	1636	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	10-11-2011	2210	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	13-11-2011	1447	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	13-11-2011	1733	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	14-11-2011	1433	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	15-11-2011	1938	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	16-11-2011	2228	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	17-11-2011	1412	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
3797	M89	17-11-2011	1916	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	17-11-2011	2201	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	18-11-2011	1527	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	18-11-2011	2135	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	20-11-2011	1437	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	20-11-2011	2001	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	21-11-2011	1523	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	22-11-2011	1518	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	28-11-2011	1226	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	28-11-2011	1742	V H2FL H2FL H2FL DE DRV8 DRV8	CW		(AB-HK)
3797	M89	28-11-2011	1932	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	29-11-2011	2057	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	30-11-2011	1147	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
3797	M89	30-11-2011	2247	(In traffic - see below) V H2FL (x3) DE DRV8 (x2) (Cont'd) /A/609..60 AR (Mostly U/R) (To roundslip at 2250z)	CW		(JPL-HK)
3803	M18	14-11-2011	2044	0045 0045 0045 0046 0046 ...	CW		(FN)
3803	M18	14-11-2011	2209	0210 0211 0212 etc. Very weak	CW		(AB)
3807	M32	31-10-2011	1901	Russian military 3EBS duplex radio check with KGCD	CW		(PPA)
3823	S21	1-11-2011	1842	323 3323 not heard	USB	Tue	(HFD)
3823	S21	17-11-2011	1842	323 323 323 891 36 5FGs 891 36 000 //3323 kHz	USB		(AB)
3823	S21	22-11-2011	1842	323 891 36 46422 54755 ... same message as on 14-11 //3323 kHz	USB		(AB)
3823	S21	24-11-2011	1842	323 891 36 46422 54755 ... same message as on 14-11 //3323 kHz	USB		(AB)
3827.0	M42	22-11-2011	2100	Russian Gov/Intel	FSK 200/1000	Tue	(Anon)
3828.9	S32	26-10-2011	2051	Western strategic Command. Squeaky Wheel	USB		(TJ)
3828.9	S32	5-11-2011	2150	Squeaky Wheel	USB		(AB)
3829	S30	15-11-2011	0052	Pip Channel Marker	CW		(Daunt)
3829	S32	15-11-2011	1650	Squeaky Wheel Marker	USB		(Daunt)
3829	S32	22-11-2011	1914	Squeaky Wheel	USB		(Daunt)
3829	S32	25-11-2011	1826	Squeaky Wheel	USB		(Daunt)
3829	S32	27-11-2011	1826	Squeaky Wheel	USB		(Daunt)
3838	S06	3-11-2011	1905	349 0	AM	Thu	(HFD)
3838	S06	14-11-2011	1905	349 0	AM	Mon	(HFD)
3838	S06	28-11-2011	1905	349 349 349 00000	USB		(AB)
3838	S06s	14-11-2011	1905	349 349 349 00000	USB		(FN)
3842	E06	10-11-2011	2020	829 0	AM	Thu	(HFD)
3842	S06	12-11-2011	1935	366 0	AM	Sat	(HFD)
3854	G06	14-11-2011	1700	439 0	AM	Mon	(HFD)
3855	---	27-11-2011	1746	cut number grid tracking //4088 kHz	CW		(AtB)
3866	M32	24-11-2011	1915	Russian Mil: LDBO QTC 518 27 24 2301 518 = 216 =	CW		(PPA)
3872	M32	31-10-2011	1906	Russian military "L8OY QTC 527 20 31 2250 527 = ZSQ913 =" into 5L msg and check with HPXS	CW		(PPA)
3880.0	M51	15-11-2011	1630	ip	MCW	Tue	(Anon)
3880.0	M51	18-11-2011	1655	ip	MCW	Fri	(Anon)
3880.0	M51	19-11-2011	0521	ip	MCW	Sat	(Anon)
3880.0	M51	19-11-2011	1550	ip	MCW	Sat	(Anon)
3881	M51	16-11-2011	0014	NR 2Ï N 16 Ï1:14:30 1983 BT	CW		(Spec)
4016	X...	3-11-2011	2020		FSK 500/200 6'17"	Thu	(HFD)
4025	M45	17-11-2011	1802	525 525 525 891 ... 5FGs 000 //3525 kHz	MCW		(AB)
4025	M45	22-11-2011	1804	525 //3525 kHz	CW		(AB)
4025	M45	22-11-2011	1807	ip 4025 stronger //3525	CW	Tue	(HFD)
4025	M45	24-11-2011	0811	in progress //3525 kHz	CW		(AB)
4036	E06	9-11-2011	1920	829 0	AM	Wed	(HFD)
4040.0	M51	16-11-2011	1430	ip	MCW	Wed	(Anon)
4046.0	M51	16-11-2011	1727	ip	MCW	Wed	(Anon)
4046.0	M51	17-11-2011	0553	ip	MCW	Thu	(Anon)
4088	---	27-11-2011	1746	cut number grid tracking //3855 kHz	CW		(AtB)
4152.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
4153	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
4225	M89	5-11-2011	1405	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
4225	M89	5-11-2011	1835	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	5-11-2011	2250	V 7NPE 7NPE 7NPE DE QV5B QV5B //5500	CW		(AB-HK)
4225	M89	6-11-2011	1818	V 7NPE (x3) DE QV5B (x2) (Cont'd) // 5500	CW		(JPL-HK)
4225	M89	7-11-2011	1308	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	7-11-2011	1420	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	8-11-2011	1635	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	9-11-2011	2245	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	9-11-2011	2258	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
4225	M89	10-11-2011	2207	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	12-11-2011	1343	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	12-11-2011	1847	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	13-11-2011	1443	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	13-11-2011	1731	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	13-11-2011	2206	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	13-11-2011	2241	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Sun) Switched to daytime freq	CW		(JPL-HK)
4225	M89	14-11-2011	1442	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	15-11-2011	1936	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	16-11-2011	2222	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	17-11-2011	1410	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	17-11-2011	1914	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	18-11-2011	1525	V 7NPE (x3) DE QV5B (x2) (Cont'd) /5500	CW		(JPL-HK)
4225	M89	18-11-2011	2133	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	20-11-2011	1436	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	20-11-2011	1959	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	21-11-2011	1522	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Mon)	CW		(JPL-HK)
4225	M89	22-11-2011	1516	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	22-11-2011	2246	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 (Tue) (Move to day time freqs)	CW		(JPL-HK)
4225	M89	23-11-2011	1127	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-11-2011	1625	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-11-2011	1947	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-11-2011	2230	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	24-11-2011	1939	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	24-11-2011	2231	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	25-11-2011	1632	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	25-11-2011	1810	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	25-11-2011	1825	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	26-11-2011	2010	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	27-11-2011	1237	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	27-11-2011	1553	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	28-11-2011	1229	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	28-11-2011	1740	V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz	CW		(AB-HK)
4225	M89	28-11-2011	1930	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	28-11-2011	2300	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	29-11-2011	1325	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//5500	CW		(JPL-HK)
4225	M89	29-11-2011	2238	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//5500	CW		(JPL-HK)
4231.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
4280.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
4294.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
4441	E11	12-11-2011	0900	248/00	USB	Sat	(HFD)
4441	E11	12-11-2011	1445	267/00	USB	Sat	(HFD)
4441	E11	16-11-2011	1445	287/00	USB		(FN)
4441	E11	19-11-2011	0900	24x/00	USB		(FN)
4441	E11	19-11-2011	1445	267/00 out	USB		(AB)
4441	E11	26-11-2011	1445	267/00	USB		(AB)
4441	E11	30-11-2011	1445	287/00	USB		(AB)
4441	E11a	20-11-2011	1050	128/32 Attention 36176 64982 19658 51235 50460 40753 69410 76266 84199 85089 ... 44107 71990 Out	USB		(Spec)
4441	G11	13-11-2011	2000	266/38=36442	USB	Sun	(HFD)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
4441	G11	14-11-2011	2007	Message in progress	USB		(Daunt)
4441	S11a	14-11-2011	1355	254/00	USB		(AB)
4441	S11a	14-11-2011	1355	254/00	USB		(FN)
4441	S11a	14-11-2011	1355	254/00	USB	Mon	(HFD)
4441	S11a	27-11-2011	1358	null msg	USB		(Daunt)
4474	M89	24-11-2011	1840	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW		(PPA)
4477	M51	3-11-2011	0053	NR 56 N Ï3 Ï1:53:38 1983 BT	CW		(Spec)
4477	M51	3-11-2011	0247	French Mil, 5LG	CW		(Jon-FL)
4477	M51	5-11-2011	2329	NR 72 N Ï4 ÏÏ:29:58 1983 BT	CW		(Spec)
4477	M51	20-11-2011	2004	NR 27 N 21 21:Ï4:58 1983 BT	CW		(Spec)
4477	M51	23-11-2011	2327	NR 16 N 24 ÏÏ:27:Ï6 1983 BT	CW		(Spec)
4477	M51	24-11-2011	0022	NR 25 N 24 Ï1:22:56 1983 BT	CW		(Spec)
4477.0	M51	23-11-2011	1857	ip	MCW	Wed	(Anon)
4490	M01	1-11-2011	2000	197-288/30=98565	CW	Tue	(HFD)
4490	M01	22-11-2011	2000	197 197 197 7 4 5FGs 197 7 4 000	CW		(AB)
4512	M89	26-11-2011	1735	h2fl h2fl h2fl de drv8 drv8 v	CW		(AtB)
4519	G06	24-11-2011	1830	271 237 15 24156 24567 15678 24156 65478 97145 13456 87965 76890 61345 52678 98754 34267 43267 89456 00000	AM		(AB)
4519	G06	24-11-2011	1830	271-237/15=24156	AM	Thu	(HFD)
4536	XPA2	1-11-2011	2110	msg	MFSK	Tue	(HFD)
4536	XPA2	22-11-2011	2110	00977 00165 71680 43132 03416 72418 12608 37075 01773 04791 97426 70182 91319 23956 50691 etc.	MFSK		(AB)
4536.0	XPA	22-11-2011	2113	ip	USB	Tue	(Anon)
4540	M42	21-11-2011	0443	Russian Gov/Intel "rvr39 rvr39 rvr39 de rtw54 rtw54 zhc? zhc? ok ... ok zzv" at 0446utc into F1B Rus-ARQ system 100/500 crypto trfc, qsx 5225 kHz	FSK-CW/500 + RUS-ARQ 100/500		(TJ)
4557.7	MX	5-11-2011	2152	Beacon "D"	CW		(AB)
4557.9	MX	5-11-2011	2152	Beacon "S"	CW		(AB)
4564	E07a	2-11-2011	2140	815 1 62128 124 69 64125 70735 04391 65921 90107 35180 85225 19695 23078 ... 000 000	AM		(Spec)
4567	XPA	15-11-2011	1440	691 000 09974 00001 00000 10140 +++++	MFSK-20		(FN)
4567	XPA	29-11-2011	1440		MFSK		(AB)
4573	S28	22-11-2011	1628	Buzzer heard on a lower then normal parasitic frequency	USB		(Daunt)
4580	S06s	16-11-2011	1230	967 ..	USB		(FN)
4580	S06s	16-11-2011	1230	967-230/5=04641	USB	Wed	(HFD)
4583	E06	6-11-2011	0230	759 102 34 65378 67751 83534 55464 49811 29848 88383 58919 01172 53120 ... 102 34 00000	AM		(Spec)
4583	E06	13-11-2011	0230	759 428 31 69705 42560 86490 57553 60694 94254 70006 06907 99043 07481 ... 09243 428 31 00000	AM		(Spec)
4583	E06	20-11-2011	0230	759 218 33 31805 18090 43961 92345 88407 59471 93770 11282 09395 80215 ... 218 33 00000	AM		(Spec)
4583	E06	27-11-2011	0230	759 642 31 73659 49624 47425 36108 51858 87058 44048 52702 33388 43248 ... 642 31 00000	AM		(Spec)
4583.0	E06	13-11-2011	0230	Russian Man, clear with low gurgling.	USB	Sun	(Saber)
4587	G06	14-11-2011	1800	439 0	AM	Mon	(HFD)
4587	G06	14-11-2011	1800	439 0	AM	Mon	(HFD)
4625	S28	3-11-2011	1325	MDZhB 75 475 Izachen 05 07 21 67	USB		(Avare)
4625	S28	6-11-2011	1535	Buzzer	USB		(Daunt)
4625	S28	7-11-2011	1134	Male voice. MDZhB 29 834 Azarin 26 73 49 54 Ezhemua 84 90 57 32	USB		(AB-EST)
4625	S28	10-11-2011	1110	MDZhB 81 234 DZhAVEC 67 46 16 75	USB		(Avare)
4625	S28	10-11-2011	1905	MDZhB 81 234 Dzhavets 67 46 16 75	USB		(Avare)
4625	S28	10-11-2011	2025	Sick sounding Buzzer / parasitic on 4709 kHz	USB		(Daunt)
4625	S28	12-11-2011	0615	Weird sounding buzzer	USB		(AB-EST)
4625	S28	13-11-2011	1239	Sick sounding buzzer	USB		(Daunt)
4625	S28	13-11-2011	1823	Sick buzzer	USB		(Daunt)
4625	S28	14-11-2011	0848	Heavily distorted signal. MDZhB 96 595 Vechyeya 69 23 95 58. Repeats: MDZhB 96 595 Vechyeya 69 200 20 sboi sboi sboi sboi sboi sboi sboi sboi MDZhB 96 595 Vechyeya 69 23 95 58	USB		(Avare)
4625	S28	14-11-2011	0852	Heavily distorted signal. MDZhB 19 345 Veshnii 58 13 22 31 Nechutkost' 71 13 51 76	USB		(Avare)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
4625	S28	15-11-2011	1646	buzzer slowed down	USB		(Daunt)
4625	S28	20-11-2011	1332	MDZhB 04 128 Pekhotinets 3327 8882	USB		(AB-EST)
4625	S28	20-11-2011	1334	MDZhB 04 978 Seunch 3494 4359	USB		(AB-EST)
4625	S28	20-11-2011	2217	Parasitic transmissions on 4667.5/4710/4752.5/4795/4837.5 kHz	USB		(AB)
4625	S28	25-11-2011	1340	Buzzer	USB		(Daunt)
4625	S28	27-11-2011	1340	Buzzer	USB		(Daunt)
4625.0	S28	21-11-2011	0017	BUZZER Malfunctioning	USB	Mon	(Stefan)
4629	M12	9-11-2011	2220	460 0	CW	Wed	(HFD)
4636	M14	22-11-2011	1820	186 186 186 925 15 ...	MCW		(AB)
4636	XPA2	1-11-2011	2050	msg	MFSK	Tue	(HFD)
4636	XPA2	22-11-2011	2050	00977 00165 71680 43132 03416 72418 12608 37075 01773 04791 97426 70182 91319 23956 50691 etc.	MFSK		(AB)
4668	S28	14-11-2011	2017	Parasitic txm	USB		(Daunt)
4709	S28	10-11-2011	2025	Sick sounding Buzzer parasitic freq.	USB		(Daunt)
4760	E06	4-11-2011	2130	472 353 15 54678 45367 56320 68453 96754 87583 64890 54219 65743 43768 45234 87906 56289 67895 67453 353 15 00000	AM		(Spec)
4760	E06	18-11-2011	2130	472 353 15 54678 45367 56320 68453 96754 87583 64890 54219 65743 43768 45234 87906 56289 67895 67453 353 15 00000	AM		(Spec)
4760	E06	18-11-2011	2135	English male voice,repeated 5F group msg ending 00000	AM		(PPA)
4761	M14	9-11-2011	1920	748-142/15=53748	CW	Wed	(HFD)
4761	M14	23-11-2011	1920	748 142 15 = 53748 ... 59305 = 142 15 00000	CW		(Spec)
4792	G06	11-11-2011	1930	436 155 15 53879 47389 46739 25463 15378 35268 36789 04758 36125 74893 52718 46254 36278 46725 25167 155 15 00000	AM		(Spec)
4828	M03	1-11-2011	1115	276/30=41098	CW	Tue	(HFD)
4828	M03	13-11-2011	1320	437/00	CW	Sun	(HFD)
4828	M03	15-11-2011	1115	272/00	CW		(FN)
4828	M03	16-11-2011	1115	650/00	CW		(AB)
4828	M03	16-11-2011	1115	650/00	CW		(FN)
4828	M03	17-11-2011	1115	650/00	CW		(AB)
4828	M03	17-11-2011	1115	650/00	CW		(FN)
4828	M03	17-11-2011	1320	437/36 = = 5FGs. "VVV" at 1315 UTC	CW		(AB)
4828	M03	17-11-2011	1320	437/36 = 56765 44542 12013 06072 etc.	CW		(FN)
4828	M03	18-11-2011	0820	761/00 (at 0817 "VVV")	CW		(AB)
4828	M03	20-11-2011	0820	761/00	CW		(AB)
4828	M03	27-11-2011	0820	761/00	CW		(AB)
4828	M03	29-11-2011	1115	272/00 "VVV" at 1110 UTC	CW		(AB)
4836	E06	3-11-2011	2029	321 268 15 65437 56843 65897 65481 45621 46935 54879 34268 54946 24678 45386 24967 45620 47206 53867 268 15 00000	AM		(Spec)
4836	E06	3-11-2011	2030	321-268/15=65437 heavy QRM	AM	Thu	(HFD)
4836	E06	17-11-2011	2029	321 268 15 65437 56843 65897 65481 45621 46935 54879 34268 54946 24678 45386 24967 45620 47206 53867 268 15 00000	AM		(Spec)
4845	S06s	17-11-2011	1410	624 810 5 26634 14690 95590 60386 03009 810 5 00000	USB		(AB)
4845	S06s	17-11-2011	1410	624 810 5 26634	USB		(FN)
4850	M42	29-11-2011	0445	RBI: Russian Goc/Intel. wkg RII2 tfc & OP-Chat "WAG 7 RABOTU - POLURAJ HOROGOA ..." into CW/A1A OP-chat.	Baudot 50/500 + CW		(ALF)
4860	M89	5-11-2011	2021	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Sat) //6840	CW		(JPL-HK)
4860	M89	6-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //6840	CW		(JPL-HK)
4860	M89	8-11-2011	1420	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //6840	CW		(JPL-HK)
4860	M89	16-11-2011	2223	(In progress) VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //6840	CW		(JPL-HK)
4860	M89	20-11-2011	1920	NYZ calling Q2M //6840 kHz	CW		(AtB)
4860	M89	22-11-2011	1520	(In progress) VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //6840	CW		(JPL-HK)
4860	M89	23-11-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //6840	CW		(JPL-HK)
4860	M89	23-11-2011	1820	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //6840 kHz	CW		(AB-HK)
4860	M89	23-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //6840	CW		(JPL-HK)
4860	M89	25-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //6840	CW		(JPL-HK)
4860	M89	28-11-2011	1224	VVV (x3) Q2M DE NYZ (x2) (In Progress) QSA ? K (Mon) //6840	CW		(JPL-HK)
4860	M89	28-11-2011	1320	VVV (x3) Q2M DE NYZ (x2) (Tuner tuned by another user) QSA ? K	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
				(Mon) //6840			
4900	V24	27-11-2011	1330	msg	USB		(Daunt)
4951	M23	6-11-2011	1704	246 (In progress) (Sun) //5345	CW		(JPL-HK)
4951	M23	6-11-2011	1758	246 (In progress) (Sun) //5345	CW		(JPL-HK)
4951.5	M21	7-11-2011	1705	BT 992105 ??0????? (In Progress - Cont'd)	CW		(JPL-SVK)
4951.5	M21	7-11-2011	1936	Russian Air Defense =992336??t?????? =992337??t?????	CW		(WP3)
4951.5	M21	11-11-2011	1809	BT 992209 ??0????? (In Progress - Cont'd)	CW		(JPL-GRC)
4952	M21	11-11-2011	1834	PVO id "0"	CW		(AB)
4958	E11	13-11-2011	1240	349/00. And after usual 3 minutes she sent a one group message, 51279!	USB		(Danix)
4958	E11	13-11-2011	1240	349/00	USB	Sun	(HFD)
4958	E11	15-11-2011	1240	349/00 ??? barely audible	USB		(AB)
4958	E11	15-11-2011	1240	349/00	USB		(FN)
4958	E11a	13-11-2011	1240	349/00 Went through as normal E11 null message. After the final 349/00 E11 seemed to have switched tapes and went Attention 51279 51279 Attention 51279 Out.	USB		(Daunt)
5070	S06	29-11-2011	1500	537 537 537 00000	USB		(AB)
5070	S06s	1-11-2011	1500	537-908/6=85479	USB	Tue	(HFD)
5070	S06s	15-11-2011	1500	537 204 6 52655	USB		(FN)
5070	S06s	22-11-2011	1500	537 537 537 204 6 52655 52124 63386 04414 06024 65543 204 6 00000	USB		(AB)
5082	E11	14-11-2011	0450	416/00	USB		(FN)
5082	E11	14-11-2011	0450	416/00	USB	Mon	(HFD)
5082	E11	17-11-2011	1730	416/00	USB		(AB)
5082	E11a	7-11-2011	0503	in progress	USB		(Haz)
5082	E11a	7-11-2011	0503	Msg	USB		(Haz)
5082	E11a	10-11-2011	1727	412/38	USB		(Daunt)
5082	E11a	10-11-2011	1730	412/38=54537	USB	Thu	(HFD)
5115	V24	6-11-2011	1402	Music followed by coded messages	USB		(AB-HK)
5115	V24	22-11-2011	1634	in progress	USB		(Daunt)
5146	E07a	3-11-2011	0530	188 1-62128-124/69 =64125	AM	Thu	(HFD)
5153.9	MX	5-11-2011	2152	Beacon "S"	CW		(AB)
5154	MX	5-11-2011	2152	Beacon "C"	CW		(AB)
5158	X...	3-11-2011	2010		FSK 500/200 6'17"	Thu	(HFD)
5164	E07	23-11-2011	2120	815 815 815 000	AM		(FN)
5164	E07a	2-11-2011	2120	815 1 62128 124 69 64125 70735 04391 65921 90107 35180 85225 19695 23078 ... 000 000	AM		(Spec)
5164	E07a	9-11-2011	2120	815 0	AM	Wed	(HFD)
5225	M42	21-11-2011	0445	Russian Gov/Intel "vvv rtw54 rtw54 rtw54 de rvr39 rvr39 zhc? ... ok ... zzv" and straight into exchange of data using F1B Rus-ARQ system100/500 crypto trfc, qsx 4540 kHz	FSK-CW/500 + RUS-ARQ 100/500		(TJ)
5230.0	M42	15-11-2011	1710	Russian Gov/Intel	FSK 200/1000	Tue	(Anon)
5250	S06s	22-11-2011	0700	374 905 6 34484	USB		(FN)
5250	S06s	29-11-2011	0700	374 0	USB	Tue	(HFD)
5260	M42	19-11-2011	0455	Russian Gov/Intel. 3IGG wkg 8VZI Op-chat "8VZI de 3IGG k // QRJ3 k // rk", then callign the next station	FSK-CW/500		(Alf)
5310	S06s	17-11-2011	1240	314 902 5 05899	USB		(FN)
5310	S06s	17-11-2011	1240	314	USB	Thu	(HFD)
5320	M01	1-11-2011	1800	197-437/30=46551	CW	Tue	(HFD)
5320	M01	17-11-2011	1800	197 197 197	CW		(AB)
5320	M01	22-11-2011	1803	in progress	CW		(AB)
5320	M12	10-11-2011	1800	197 ...	CW		(Daunt)
5320	S06s	17-11-2011	1400	624 810 5 26634 14690 95590 60386 03009 810 5 00000	USB		(AB)
5320	S06s	17-11-2011	1400	624 810 5 26634	USB		(FN)
5328	VC01	13-11-2011	1209	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	13-11-2011	1508	Chinese Robot	USB		(MTIA)
5328	VC01	14-11-2011	1233	Chinese Robot	USB		(AB-HK)
5328	VC01	16-11-2011	1158	Chinese Robot	USB		(AB-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
5328	VC01	17-11-2011	1127	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	18-11-2011	2042	Chinese robot	USB		(PPA)
5328	VC01	19-11-2011	0959	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	19-11-2011	1218	Chinese Robot in progress. Also at 1349 UTC.	USB		(AB-HK)
5328	VC01	19-11-2011	1440	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	21-11-2011	1958	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	22-11-2011	1920	Chinese robot. Fast Chinese female voice with numbers	USB		(PPA)
5328	VC01	22-11-2011	1923	Chinese Robot	USB		(AB-HK)
5328	VC01	23-11-2011	1818	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	24-11-2011	1942	Chinese Robot in progress	CW		(AB-HK)
5328	VC01	26-11-2011	1220	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	26-11-2011	1900	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	27-11-2011	1820	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	28-11-2011	1739	Chinese Robot in progress	USB		(AB-HK)
5328	VC01	29-11-2011	1749	Chinese Robot	USB		(AB-AUS)
5328	VC01	30-11-2011	1106	Chinese Robot	USB		(AB-HK)
5328	VC01	30-11-2011	1841	Chinese Robot	USB		(AB-HK)
5336	XPA2	1-11-2011	2030	msg	MFSK	Tue	(HFD)
5336	XPA2	3-11-2011	2030	3 91766 09006 99397 91371 98226 etc	MFSK		(AB)
5345	M23	6-11-2011	1704	246 (In progress) (Sun) //4951	CW		(JPL-HK)
5345	M23	6-11-2011	1758	246 (In progress) (Sun) //4951	CW		(JPL-HK)
5350	M41	5-11-2011	0400	PVO/Russian Air Defence "I2JV I2JV I2JV ... I2JV ar", s/off at 0402 UTC	CW		(Alf)
5358	M03	1-11-2011	1535	798/00	CW	Tue	(HFD)
5358	M03	12-11-2011	1140	786/00	CW	Sat	(HFD)
5358	M03	15-11-2011	1140	784/34 = 25641 55499	CW		(FN)
5358	M03	15-11-2011	1146	in progress	CW		(AB)
5358	M03	15-11-2011	1535	798/00	CW		(FN)
5358	M03	19-11-2011	1140	78.... unreadable	CW		(AB)
5358	M03	26-11-2011	1140	786/00	CW		(AB)
5358	M03	29-11-2011	1135	786/00 "VVV" at 1131 and 1134 UTC	CW		(AB)
5358	M03	29-11-2011	1535	798/00	CW		(AB)
5426.0	M51	16-11-2011	1620	ip	MCW	Wed	(Anon)
5429	M12	9-11-2011	2200	460 0	CW	Wed	(HFD)
5447	E07	3-11-2011	2130	744 0	AM	Thu	(HFD)
5449	VC05	2-11-2011	1100	Female operator, probably recorded, calling 7413	USB		(westli)
5460	S06s	4-11-2011	0600	934-501/5=87599	USB	Fri	(HFD)
5465	M01	20-11-2011	0700	197 197 197	CW		(AB)
5467	XPA	15-11-2011	1420	Null msg	MFSK-20		(AB)
5467	XPA	15-11-2011	1420	691 000 09974 00001 00000 10140 +++++	MFSK-20		(FN)
5473	S30	13-11-2011	1235	The Pip	CW		(Daunt)
5500	M89	5-11-2011	1405	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	5-11-2011	1835	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	5-11-2011	2250	V 7NPE 7NPE 7NPE DE QV5B QV5B //4225	CW		(AB-HK)
5500	M89	6-11-2011	1818	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	7-11-2011	1308	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	7-11-2011	1420	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	8-11-2011	1635	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	9-11-2011	2245	V 7NPE (x3) DE QV5B (x2) (Cont'd) Frequency shift to 8110 //4225	CW		(JPL-HK)
5500	M89	12-11-2011	1343	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	12-11-2011	1847	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	12-11-2011	2205	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	13-11-2011	1443	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	13-11-2011	1731	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	13-11-2011	2206	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	13-11-2011	2241	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 (Sun) Switched to daytime freq	CW		(JPL-HK)
5500	M89	14-11-2011	1442	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	14-11-2011	2124	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
5500	M89	15-11-2011	1936	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	16-11-2011	2222	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	17-11-2011	1410	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	17-11-2011	1914	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	18-11-2011	1525	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	20-11-2011	1436	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	20-11-2011	1959	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	21-11-2011	1522	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 (Mon)	CW		(JPL-HK)
5500	M89	22-11-2011	1516	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	22-11-2011	1906	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(PPA)
5500	M89	22-11-2011	2246	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225) (Tue) (Move to day time freqs)	CW		(JPL-HK)
5500	M89	23-11-2011	1127	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-11-2011	1625	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-11-2011	1813	V 7NPE 7NPE 7NPE DE QV5B QV5B	CW		(AB-HK)
5500	M89	23-11-2011	1947	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	24-11-2011	1939	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	25-11-2011	1420	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	25-11-2011	1632	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 Note: see further N&O #170	CW		(JPL-HK)
5500	M89	25-11-2011	1810	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	25-11-2011	1825	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	26-11-2011	2010	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	27-11-2011	1237	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	27-11-2011	1553	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	28-11-2011	1229	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	28-11-2011	1740	V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz	CW		(AB-HK)
5500	M89	28-11-2011	1930	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	28-11-2011	2300	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	29-11-2011	1325	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//4225	CW		(JPL-HK)
5500	M89	29-11-2011	2238	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//4225	CW		(JPL-HK)
5500	M89	30-11-2011	2244	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5643	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
5676	M89	30-11-2011	2100	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW		(MAUK)
5752	M21	7-11-2011	1653	BT 992053 ??8????? (In Progress - Cont'd)	CW		(JPL-SVK)
5801	M89	26-11-2011	0234	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW		(PPA)
5810	M01	12-11-2011	1500	197-0#7/30=68#27	CW	Sat	(HFD)
5810	M01	26-11-2011	1500	197	CW		(AB)
5810	S06	29-11-2011	1230	278 278 278 00000	USB		(AB)
5810	S06s	15-11-2011	1230	278 510 6 78563	USB		(FN)
5810	S06s	22-11-2011	1230	278-510/6=78563	USB	Tue	(HFD)
5837	E06	5-11-2011	0130	759 102 34 65378 67751 83534 55464 49811 29848 88383 58919 01172 53120 ... 102 34 00000	AM		(Spec)
5837	E06	6-11-2011	0138	OM/EE 759 msg	AM		(Haz)
5837	E06	12-11-2011	0130	759 428 31 69705 42560 86490 57553 60694 94254 70006 06907 99043 07481 ... 09243 428 31 00000	AM		(Spec)
5837	E06	19-11-2011	0130	759 218 33 31805 18090 43961 92345 88407 59471 93770 11282 09395 80215 ... 218 33 00000	AM		(Spec)
5837	E06	26-11-2011	0130	759 642 31 73659 49624 47425 36108 51858 87058 44048 52702 33388 43248 ... 642 31 00000	AM		(Spec)
5837.0	E06	20-11-2011	0130	Russian Man, some fading.	USB	Sun	(Saber)
5837.0	E06	27-11-2011	0130	Russian Man, weak in places.	USB	Sun	(Saber)
5846	E07a	3-11-2011	0550	188 1-62128	AM	Thu	(HFD)
5864	E07	23-11-2011	2100	815 815 815 000	AM		(FN)
5864	E07a	2-11-2011	2100	815 1 62128 124 69 64125 70735 04391 65921 90107 35180 85225 19695 23078 ... 000 000	AM		(Spec)
5864	E07a	9-11-2011	2100	815 0	AM	Wed	(HFD)
5867	XPA	15-11-2011	1400	691 000 09974 00001 00000 10140 +++++	MFSK-20		(FN)
5867	XPA	29-11-2011	1400		MFSK		(AB)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
5872	M12	17-11-2011	0440	876 0	CW	Thu	(HFD)
5883	V02a	26-11-2011	0700	Atencion 73162 16422 10051 ... 73283	AM		(Dan)
5913	E06	13-11-2011	1220	829 0	AM	Sun	(HFD)
5938	E07	6-11-2011	1840	199 1	AM	Sun	(HFD)
5938	M01b	17-11-2011	1605	159-259/30=26313	CW	Thu	(HFD)
5940	M01	17-11-2011	1607	159 239 30 = 26313	CW		(FN)
5947.0	M51	22-11-2011	1757	ip	MCW	Tue	(Anon)
6140	E25	12-11-2011	1029	672 0542 2026 1581 3965 9742 3613 7499 5653 4420 4080 YL/EE	AM		(MG)
6140	E25	12-11-2011	1044	126 46 128 2561 4901 9421 9659 4112 2021 3029 0859 6253 9421 YL/EE, 12 rptd, Mx3, EOM, WinXP logoff sound	AM		(MG)
6140	E25	13-11-2011	0814	014 2955 8260 1882 1474 3692 4214 3202 4130 5863 2298 7852 8222 8260 0241 YL/EE, EOM only	AM		(MG)
6140	E25	13-11-2011	0829	UNID song QRT 0830 UTC	AM		(MG)
6140	E25	13-11-2011	0844	169 1147 6241 2994 3121 7134 0255 6116 YL/EE, pause, EOM	AM		(MG)
6140	E25	13-11-2011	0922	1 WinXP sounds ("dings")	AM		(MG)
6140	E25	13-11-2011	0930	333 4080 0240 2423 4619 4790 0501 2353 0240 353 2 YL/EE 3 rptd Mx3, EOM	AM		(MG)
6140	E25	13-11-2011	0945	350 3111 0120 8111 5454 6778 9104 1547 6490 0362 8504 0120 YL/EE	AM		(MG)
6140	E25	13-11-2011	1000	570 2939 1077 1357 3913 5789 7715 6178 0405 5354 2708 4471 575 63 YL/EE, 57 rptd, Mx3, EOM	AM		(MG)
6140	E25	13-11-2011	1045	126 46 128 (as of 12/11) YL/EE, 12 rptd, Mx3, EOM only	AM		(MG)
6140	E25	14-11-2011	0816	185 3459 4180 1561 5476 9186 5623 2129 0999 5518 7220 8939 YL, no spaces, EOM only, carrier, WinXP sound	AM		(MG)
6140	E25	14-11-2011	0829	701 5411 9260 8121 5674 6137 5597 3147 1402 0419 5535 7550 9260 140 YL, EOM, UNID song, carrier, WinXP sound	AM		(MG)
6140	E25	14-11-2011	0843	169 (as of 13/11) YL, EOM, carrier	AM		(MG)
6140	E25	14-11-2011	0930	353 2 333 (as of 13/11) YL, 33 rptd, Mx3	AM		(MG)
6140	E25	14-11-2011	1116	880 0640 6161 5997 8586 9553 3130 9426 1393 5884 1037 6847 7635 6755 4470 6967 0640 YL, EOM only	AM		(MG)
6140	E25	15-11-2011	1044	WinXP startup sound	AM		(MG)
6140	E25	15-11-2011	1115	887 8 YL, WinXP sounds, Mx3, Rx3, EOM	AM		(MG)
6140	E25	16-11-2011	0828	701 4811 5310 9180 8541 1295 0392 3475 5310 703 20 YL, 70 rptd, Mx3	AM		(MG)
6140	E25	17-11-2011	0844	701 703 20 YL, 70 rptd, Mx3, EOM	AM		(MG)
6140	E25	19-11-2011	0859	111 6547 5150 6101 8310 3863 6067 3236 6319 9398 5150 YL, EOM	AM		(MG)
6140	E25	19-11-2011	1045	128 6467 4901 7340 7519 3761 8138 8813 3040 8833 7340 YL, pause, Win sounds, EOM	AM		(MG)
6140	E25	20-11-2011	1044	128 (as of 19/11) YL, WinXP sounds, EOM	AM		(MG)
6140	E25	21-11-2011	0815	(014)...17 2914 8836 1780 6320 1251 YL i.p.	USB		(MG)
6140	E25	22-11-2011	0814	014 016 5855 6320 7022 3569 5705 0622 8242 0612 6768 7817 2914 8836 1780 6320 1251 carrier off-freq at 0813z, YL, 016 rptd	AM		(MG)
6140	E25	23-11-2011	0815	014 018 1055 2520 7022 7875 8833 9950 0458 2520 2290 YL, 018 rptd, Mx3, Windows sounds	AM		(MG)
6140	E25	29-11-2011	0830	702 21 YL	AM		(MG)
6140	E25a	13-11-2011	0758	364 8 YL/EE	AM		(MG)
6140	E25a	13-11-2011	1030	675 85 86 YL/EE, Mx3, Rx3, EOM	AM		(MG)
6140	E25a	14-11-2011	0945	355 18 IO, YL, WinXP sounds, Rx3, EOM	AM		(MG)
6140	E25a	14-11-2011	1000	575 64 YL, Mx3, Rx3	AM		(MG)
6140	E25a	15-11-2011	0844	162 79 YL, Mx3, Rx3, EOM, carrier	AM		(MG)
6140	E25a	16-11-2011	0813	187 5 WinXP sounds, YL, EOT only, WinXP sounds, "9à95"	AM		(MG)
6140	E25a	16-11-2011	0913	955 15 YL, Mx3, Rx3, EOM	AM		(MG)
6140	E25a	16-11-2011	0929	135 59 YL, Mx3, Rx3, EOM	AM		(MG)
6140	E25a	22-11-2011	1044	126 47 YL, Mx3, EOM Windows "ding" EOT	AM		(MG)
6140	E25a	23-11-2011	0928	135 60 YL, Mx3, Rx3, EOM only	AM		(MG)
6140	E25a	28-11-2011	0915	955 1 YL "9 M 9 R 5 1 EOM" then "955 1", WinXP sounds, Mx3, Rx3	AM		(MG)
6140	E25a	29-11-2011	0800	017 90 YL	AM		(MG)
6140	E25a	29-11-2011	0930	135 61 62 tone, YL, 135 61 EOT	AM		(MG)
6249.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6305	S06s	16-11-2011	1210	481 970 5 19689	USB		(FN)
6305	S06s	16-11-2011	1210	481	USB	Wed	(HFD)

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6320	S06s	22-11-2011	0715	374 905 6 34484	USB		(FN)
6320	S06s	29-11-2011	0715	374 0	USB	Tue	(HFD)
6337	S06	29-11-2011	1510	537 537 537 00000	USB		(AB)
6337	S06s	1-11-2011	1510	537	USB	Tue	(HFD)
6337	S06s	15-11-2011	1510	537 204 6 52655	USB		(FN)
6379	M22	11-11-2011	0155	4XZ	CW		(norave)
6379	M22	27-11-2011	0145	4XZ: Israeli Navy Haifa. vvv-mkr + msg "CG5C QSL NR 36/17/99 == EO6I NR 086 TO NR 186 QQL == PC7Q ER 776 TE GR 54 == UZ0E NR	CW		(ALF)
6417	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6418.9	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6420	S06s	16-11-2011	1240	967 230 5 04641	USB		(FN)
6420	S06s	16-11-2011	1240	967	USB	Wed	(HFD)
6433	G11	5-11-2011	1325	299/00	USB	Sat	(HFD)
6433	G11	6-11-2011	1750	270/00	USB		(MUK)
6433	G11	6-11-2011	1755	270/00	USB	Sun	(HFD)
6433	G11	11-11-2011	1325	296/37	USB		(AB)
6433	G11	13-11-2011	1755	132/44	USB		(Daunt)
6433	G11	18-11-2011	1325	299/00 ende	USB		(AB)
6433	G11	19-11-2011	1325	299/00 ende	USB		(AB)
6433	G11	20-11-2011	1755	272/32 Achtung 69945 00773 77589 84022	USB		(AB)
6433	G11	22-11-2011	1755	270/00 ende	USB		(AB)
6433	G11	26-11-2011	1325	299/00	USB		(AB)
6433	S11a	16-11-2011	1020	221/00	USB		(FN)
6433	S11a	16-11-2011	1020	221/00	USB	Wed	(HFD)
6433	S11a	19-11-2011	1020	221/00	USB		(FN)
6433	S11a	26-11-2011	1020	221/00	USB		(AB)
6433	S11a	30-11-2011	1020	221/00	USB		(AB)
6445.1	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6446	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6480	G11	3-11-2011	0940	275/00	USB	Thu	(HFD)
6480	G11	14-11-2011	0940	274/00 ende	USB		(AB)
6480	G11	14-11-2011	0940	275/00	USB		(FN)
6480	G11	17-11-2011	0940	275/00 ende	USB		(AB)
6480	G11	17-11-2011	0940	275/00	USB		(FN)
6480	G11	24-11-2011	0940	271/37 Achtung 63287 62113 46606 22837 62577 05232 23958 62744 84250 07330 ... 23668 07573 Ende	USB		(Spec)
6500	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6645	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6668	S06s	14-11-2011	1610	176 28 5 ... 28 5 00000	USB		(AB)
6668	S06s	14-11-2011	1610	176 283 5 97845	USB		(FN)
6668	S06s	14-11-2011	1610	176 0	USB	Mon	(HFD)
6688	M89	4-11-2011	2347	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW		(Alf)
6688	M89	18-11-2011	1837	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW		(JPL-SVK)
6693	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6738	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
6753	M32	11-11-2011	0726	Russian Mil: 5F message to RFFR	CW		(PPA)
6768	V02a	19-11-2011	0100	SS YL groups of 5#s	AM		(RR2)
6768.0	M14	4-11-2011	1800	269(x3) ttttt	MCW	Fri	(FMB)
6770	S06	29-11-2011	1240	278 278 278 00000	USB		(AB)
6770	S06s	15-11-2011	1240	278	USB		(AB)
6770	S06s	15-11-2011	1240	278 510 6 78563	USB		(FN)
6770	S06s	22-11-2011	1240	278	USB	Tue	(HFD)
6772	M12	17-11-2011	0500	876 0	CW	Thu	(HFD)
6777	E07	3-11-2011	2110	744 0	AM	Thu	(HFD)
6778	M42	3-11-2011	0505	7ZGR: Russian Gov/Intel. ".../138/138/138/138/138/..." into CW wkg PR6O Op-chat.	Baudot 50/500		(ALF)
6782.0	X06	9-11-2011	1937	Mazielka	USB	Wed	(Anon)
6788	S06	12-11-2011	1605	134 0	AM	Sat	(HFD)

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6788	S06	26-11-2011	1605	134 134 134 00000	USB		(AB)
6792	M12	16-11-2011	1540	106 1 205 137 84912	CW		(FN)
6792	M12	23-11-2011	1540	106 1 962 159 75342	CW		(FN)
6795	M12	7-11-2011	0600	792 0	CW	Mon	(HFD)
6809	MX	26-10-2011	2101	Beacon "V"	CW		(TJ)
6823	XPA	1-11-2011	1940	msg	MFSK	Tue	(HFD)
6823	XPA	15-11-2011	1940	158 1 00314 00149 10577 ... 64224 +++++	MFSK-20		(FN)
6823	XPA	22-11-2011	1940	158 158 1580000 158 158 158 000 158 158 158 000	MFSK		(AB)
6823	XPA	22-11-2011	1940	Msg	MFSK-20		(AB)
6824.0	M51	15-11-2011	1630	ip	MCW	Tue	(Anon)
6824.0	M51	17-11-2011	1610	ip	MCW	Thu	(Anon)
6824.0	M51	18-11-2011	1655	ip	MCW	Fri	(Anon)
6824.0	M51	19-11-2011	0610	ip	MCW	Sat	(Anon)
6824.0	M51	19-11-2011	1550	ip	MCW	Sat	(Anon)
6825	M51	6-11-2011	1254	FAV22 "LECON 13-2/4 VITESSE 720 CLAIR BT Comment ce gout s'Útait-il dÚveloppÚ ... CQ de FAV22 VA". Then five 6LGs without preamble. Same spurii as observed on M51 and also uses same ITA2 to Morse machine (BT, AR instead of -...- .-.-.	CW		(MPJ)
6825	M51	6-11-2011	1254	FAV22: French Morse Practice. "LECON 13-2/4 VITESSE 720 CLAIR BT Comment ce gout s'etait-il developpe ... CQ de FAV22 VA". Then five 6LGs without preamble.	CW		(MPJ)
6839	XPA	22-11-2011	0540	811 000 08764 00001 00000 10140	MFSK-20		(FN)
6840	M89	5-11-2011	2021	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Sat) //4860	CW		(JPL-HK)
6840	M89	6-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //4860	CW		(JPL-HK)
6840	M89	8-11-2011	1420	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //4860	CW		(JPL-HK)
6840	M89	16-11-2011	2223	(In progress) VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //4860	CW		(JPL-HK)
6840	M89	20-11-2011	1920	NYZ calling Q2M //4860 kHz	CW		(AtB)
6840	M89	21-11-2011	1922	VVV Q2M Q2M Q2M DE NYZ NYZ	CW		(PPA)
6840	M89	22-11-2011	1520	(In progress) VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //4860	CW		(JPL-HK)
6840	M89	23-11-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //4860	CW		(JPL-HK)
6840	M89	23-11-2011	1820	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //4860 kHz	CW		(AB-HK)
6840	M89	23-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //4860	CW		(JPL-HK)
6840	M89	25-11-2011	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Fri) //4860	CW		(JPL-HK)
6840	M89	28-11-2011	1224	VVV (x3) Q2M DE NYZ (x2) (In Progress) QSA ? K (Mon) //4860	CW		(JPL-HK)
6840	M89	28-11-2011	1320	VVV (x3) Q2M DE NYZ (x2) (Tuner tuned by another user) QSA ? K (Mon) //4860	CW		(JPL-HK)
6840	M89	28-11-2011	1922	VVV (x3) Q2M DE NYZ (x2) (In Progress) QSA ? K	CW		(JPL-SVK)
6846	E07a	3-11-2011	0610	188 1-62128	AM	Thu	(HFD)
6867.0	M42	15-11-2011	1700	Russian Gov/Intel	FSK 200/1000	Tue	(Anon)
6868	M89	29-11-2011	2000	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW		(MAUK)
6880	S06s	16-11-2011	0820	471 471 471 250 6 36807 97114 34567 35762 80352 63642 250 6 00000	USB		(AB)
6880	S06s	16-11-2011	0820	471 250 6 36807	USB		(FN)
6880	S06s	16-11-2011	0820	471-250/6=36807	USB	Wed	(HFD)
6904	M12	14-11-2011	1840	257 1	CW	Mon	(HFD)
6904	M12	14-11-2011	1940	257 1	CW	Mon	(HFD)
6917.0	X06	9-11-2011	1919	Mazielka	USB	Wed	(Anon)
6923.0	M42	15-11-2011	1650	Russian Gov/Intel	Baudot 200/500	Tue	(Anon)
6924	E07	9-11-2011	2020	798 0	AM	Wed	(HFD)
6924	E07	14-11-2011	2000	798 798 798 000	AM		(FN)
6924	E07	16-11-2011	2020	798 798 798 000	AM		(FN)
6924	E07	23-11-2011	2020	798 798 798 000	AM		(FN)
6924.0	E07	9-11-2011	2020	798(x3) 000	AM	Wed	(Anon)
6924.0	E11	4-11-2011	1710	953/25	USB	Fri	(FMB)
6926	X...	3-11-2011	2000		FSK 500/200 6'17"	Thu	(HFD)
6930	S6930	10-11-2011	0559	Ops chat	USB		(ScSw)
6930	S6930	10-11-2011	0608	Ops chat	USB		(ScSw)

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6930	S6930	12-11-2011	0543	Ops chat	USB		(ScSw)
6930	S6930	12-11-2011	0552	Telephone call	USB		(ScSw)
6930	S6930	12-11-2011	0559	Telephone call	USB		(ScSw)
6930	S6930	15-11-2011	1129	Female voice. 10-counts	USB		(ScSw)
6930	S6930	15-11-2011	1130	Male voice. 10-counts	USB		(ScSw)
6930	S6930	19-11-2011	1344	Katok-65 52429 Ostrie 2802 6667 Priyom	USB		(ScSw)
6930	S6930	19-11-2011	1539	Katok-65 19129 Vertel 9370 8118 Priyom	USB		(ScSw)
6930	S6930	22-11-2011	0639	Katok-65 677 44 ZONT 16 29 11 74 Priyom	USB		(ScSw)
6930	S6930	22-11-2011	0912	Katok-65 607 06 IZBA 41 10 11 02 Priyom	USB		(ScSw)
6930	S6930	22-11-2011	1123	Katok-65 36 538 Prohod 95 27 95 83 Priyom	USB		(Avare)
6930	S6930	23-11-2011	0716	Counting 3333	USB		(ScSw)
6930	S6930	23-11-2011	0718	10-counts	USB		(ScSw)
6930	S6930	23-11-2011	0724	Katok-65 125 93 Karandash 49 37 28 16 Priyom	USB		(ScSw)
6930	S6930	23-11-2011	0738	Male voice. 2 2 1 2 3 4 56 7 8 9 10	USB		(ScSw)
6946	E06	13-11-2011	1120	829 0	AM	Sun	(HFD)
6949	VC01	5-11-2011	2247	Chinese Robot	LSB		(AB-HK)
6949	VC01	6-11-2011	0609	Chinese Robot	USB		(AB-HK)
6949	VC01	6-11-2011	1322	Chinese Robot	LSB		(AB-HK)
6949	VC01	6-11-2011	1406	Chinese Robot	LSB		(AB-HK)
6949	VC01	11-11-2011	0609	Chinese Robot in progress	LSB		(AB-HK)
6982	E07	6-11-2011	1820	199 1	AM	Sun	(HFD)
6982	E07	13-11-2011	1820	199/00	AM		(Daunt)
6982	E07	16-11-2011	1820	199 199 199 000	AM		(FN)
6982	E07a	27-11-2011	1820	heavy cross feed with tones	AM		(Daunt)
6988	M32	14-11-2011	1049	Russian Mil. "2TVR 519 34 14 1443 519 = ZVR 275 = KDMXB KEXBD ...".	CW		(Alf)
7030	S06s	16-11-2011	1200	481 970 5 19689	USB		(FN)
7030	S06s	16-11-2011	1200	581-970/5=19689	USB	Wed	(HFD)
7030	S06s	30-11-2011	1200	481 481 481 00000	USB		(AB)
7037.8	MX	6-11-2011	0851	Beacon "P"	CW		(AB)
7038.7	MX	5-11-2011	2152	Beacon "D"	CW		(AB)
7038.8	MX	13-11-2011	0721	Beacon "P"	CW		(AB)
7039.2	MX	19-11-2011	0956	Beacon "F"	CW		(AN-HK)
7041.8	MX	6-11-2011	0835	Beacon "L"	CW		(AB)
7041.8	MX	13-11-2011	0721	Beacon "L"	CW		(AB)
7041.8	MX	16-11-2011	0709	Beacon "L"	CW		(AB)
7080.0	XPH	21-11-2011	0002	In progress.	AM	Mon	(DPS)
7317	E11	3-11-2011	0820	438/00	USB	Thu	(HFD)
7317	E11	17-11-2011	0820	436/38 63554 19137	USB		(FN)
7317	E11a	15-11-2011	0820	640/33 Attention 34556 52455 48738 24720 55540 33634 18416 00152 08223 86491 ... 53526 76696 95571 Out	USB		(Spec)
7319	M32	21-11-2011	1338	Russian General staff strategic bcast to REA4/37th Air Army	FSK-CW		(TJ)
7319	M32	23-11-2011	2311	Russian General Staff. Strategic msg to collective REA4 "rea4 ... 8t66t ... t = rea4" //2737 kHz	CW		(TJ)
7436	S06s	14-11-2011	1600	176 message unreadable. Heavy QRM	USB		(AB)
7436	S06s	14-11-2011	1600	176 283 5 97845	USB		(FN)
7436	S06s	14-11-2011	1600	176 0	USB	Mon	(HFD)
7504	S11a	1-11-2011	0915	484/00	USB	Tue	(HFD)
7504	S11a	11-11-2011	0915	484/00	USB		(AB)
7504	S11a	15-11-2011	0915	484/00	USB		(FN)
7504	S11a	18-11-2011	0915	484/00	USB		(AB)
7504	S11a	22-11-2011	0923	"nul...dvoika...troika... koniec	USB		(ML4)
7504	S11a	29-11-2011	0915	484/00	USB		(AB)
7520	S06s	9-11-2011	1910	371	USB	Wed	(HFD)
7520	S06s	16-11-2011	1910	371 845 6 52861	USB		(FN)
7520	S06s	23-11-2011	1910	371 371 371 851 6	USB		(AB)
7522.9	M32	12-11-2011	0713	Russian Mil: "RMW34 DE RMW32 ZSA4"	CW		(PPA)
7523	XPA	1-11-2011	1920	msg	MFSK	Tue	(HFD)
7523	XPA	15-11-2011	1920	158 1 00314 00149 10577 ... 64224 +++++	MFSK-20		(FN)
7523	XPA	22-11-2011	1920	158 158 158 000 158 158 158 000 158 158 158 000 139 6 01717	MFSK		(AB)

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				00001 00000 10140			
7552	M12	16-11-2011	1520	106 1 205 137 84912	CW		(FN)
7552	M12	23-11-2011	1520	106 1 962 159 75342	CW		(FN)
7582	M89	6-11-2011	2344	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	8-11-2011	0335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	12-11-2011	0049	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	13-11-2011	0254	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	16-11-2011	2335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	17-11-2011	0406	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	18-11-2011	0554	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	22-11-2011	2304	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110) (Tue) (Moved from night time freqs)	CW		(JPL-HK)
7582	M89	23-11-2011	0247	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	25-11-2011	0128	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	28-11-2011	0008	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	28-11-2011	0349	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	29-11-2011	0458	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//8110	CW		(JPL-HK)
7602	M89	5-11-2011	1910	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	6-11-2011	1917	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	7-11-2011	1646	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	13-11-2011	1445	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	13-11-2011	1732	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	13-11-2011	2240	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	15-11-2011	1430	v DKG6 DKG6 DKG6 de 3A7D 3A7D 3A7D	CW		(FN)
7602	M89	16-11-2011	2230	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	17-11-2011	1915	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW		(JPL-HK)
7602	M89	18-11-2011	1526	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW		(JPL-HK)
7602	M89	20-11-2011	2000	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW		(JPL-HK)
7602	M89	23-11-2011	0251	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	26-11-2011	2013	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	28-11-2011	1744	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW		(AB-HK)
7602	M89	28-11-2011	1920	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	28-11-2011	1931	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW		(JPL-HK)
7602	M89	28-11-2011	2306	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7602	M89	29-11-2011	2234	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-SVK)
7607	M89	6-11-2011	1829	WITN WITN WITN de GNXG GNXG V	CW		(AtB)
7607	M89	8-11-2011	1948	V WITN WITN WITN DE GNXG GNXG	CW		(PPA)
7637	M12	26-11-2011	0602	612 612 612 TTT	CW		(PPA)
7724	E07	9-11-2011	2000	798 0	AM	Wed	(HFD)
7724	E07	14-11-2011	2000	798 798 798 000	AM		(FN)
7724	E07	16-11-2011	2000	798 798 798 000	AM		(FN)
7724	E07	21-11-2011	2000	798 798 798 000	AM		(AB)
7724	E07	23-11-2011	2000	798 798 798 000	AM		(FN)
7728	S06	5-11-2011	1600	134 0	AM	Sat	(HFD)
7728	S06	19-11-2011	1604	134 134 134 00000	AM		(AB)
7763	M32	19-11-2011	0430	Russian Navy: "RCV de RIR98 QSL 323 ? k".	CW		(Alf)
7789	M32	4-11-2011	0526	Russian military. Net control "MTG6" duplex radio check with PA6Z and AQZ3	CW		(PPA)
7840	E11	22-11-2011		517/00	USB		(FN)
7840	E11	29-11-2011	0645	517/00	USB	Tue	(HFD)
7840	S06s	16-11-2011	0830	471 471 471 250 6 36807 97114 34567 35762 80352 63642 250 6 00000	USB		(AB)
7840	S06s	16-11-2011	0830	471 250 6 36807	USB		(FN)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
7840	S06s	16-11-2011	0830	471	USB	Wed	(HFD)
7861	M32	6-11-2011	1800	Russian Mil. RAL2 wkg RHW2, RDU2, RFH2 one continues to garble his callsign RBL71 ?	CW		(AtB)
7861	M32	20-11-2011	1759	Russian Mil: RDU2 comm check with RAL2	CW		(AtB)
7861	M32	20-11-2011	1810	Russian Mil: RAL2 wkg RHW2	CW		(AtB)
7861	M32	22-11-2011	2055	Russian Mil: RAL2 wkg RDU2, RHW2 & RFH2.	CW		(ALF)
7861	M32	26-11-2011	2102	Russian Mil: RAL2 contacted RHW2	CW		(AtB)
7861	M32	27-11-2011	1802	Russian Mil: RAL2 contacted RFH2	CW		(AtB)
7865	S06s	17-11-2011	1230	314	USB		(AB)
7865	S06s	17-11-2011	1230	314 902 5 05899	USB		(FN)
7865	S06s	17-11-2011	1230	314-902/5=05899	USB	Thu	(HFD)
7890	VC01	1-11-2011	0603	Chinese Robot	USB		(AB-HK)
7890	VC01	3-11-2011	0558	Chinese Robot	USB		(AB-HK)
7890	VC01	4-11-2011	0615	Chinese Robot in progress	USB		(AB-HK)
7913.5	M21	9-11-2011	0532	Russian Air Defense =99?t932?9?????	CW		(PPA)
7922	M32	3-11-2011	0511	Russian military "KC2A QTC 766 16 3 0902 866 = 136 = PPPPP"	CW		(PPA)
7931	M12	14-11-2011	1820	257 1	CW	Mon	(HFD)
7931	M12	14-11-2011	1920	257 1	CW	Mon	(HFD)
7969	M32	6-11-2011	1316	Russian Mil. "MED6 de L3Y. ZRA ZNL ZIW QYT6" repeating. Nothing heard on QSX frequency 6988 kHz.	CW		(MPJ)
7969	M32	6-11-2011	1316	Russian Mil: "MED6 de L3Y_ ZRA ZNL ZIW QYT6" repeating. Nothing heard on QSX frequency 6988 kHz.	CW		(MPJ)
7969	M32	9-11-2011	0500	Russian Mil: "DMFB DE NC6G"	CW		(PPA)
7983	M32	9-11-2011	0503	Russian Mil: QHB3 radio check with FXJB	CW		(PPA)
7992.0	M42	22-11-2011	0610	Russian Gov/Intel	FSK 200/1000	Tue	(Anon)
7995	M12	7-11-2011	0620	792 0	CW	Mon	(HFD)
8012	---	9-11-2011	1828	Unid Chinese station 4F msg using cut numbers t a u 3 4 5 6 7 d n	CW		(PPA)
8012	---	18-11-2011	2305	Unid Air Defence. au34567dnt t7t5	CW		(WP3)
8012	---	19-11-2011	1001	Unid Air Defence AU34567DNT ADDA etc.	CW		(AB-HK)
8012	---	19-11-2011	1223	Unid Air Defence in progress. Also at 1349 UTC.	CW		(AB-HK)
8012	---	19-11-2011	1441	Unid Air Defence AU34567DNT UU4A	CW		(AB-HK)
8012	---	19-11-2011	1627	Unid Air Defence in progress	CW		(AB)
8012	---	19-11-2011	2109	Unid Air Defence-like Stn. au34567 dnt 0508. au34567 dnt 050n (0510) etc with part cut figures. Went into very lengthy fast traffic at 22:03 '... 466227 0626 005412 ...'	CW		(MPJ)
8012	---	21-11-2011	1957	Unid Air Defence in progress	CW		(AB-HK)
8040	M89	5-11-2011	2257	V H2FL H2FL H2FL DE DRV8 DRV8	CW		(AB-HK)
8091	E11	1-11-2011	1045	469/38=63692	USB	Tue	(HFD)
8091	E11	15-11-2011	1045	462/31	USB		(AB)
8091	E11	15-11-2011	1045	462/31 10871 99978	USB		(FN)
8091	E11	16-11-2011	1045	462/31 10871 99978	USB		(FN)
8091	E11	29-11-2011	1045	469/00	USB		(AB)
8091	E11	30-11-2011	1045	469/00	USB		(AB)
8091	E11a	15-11-2011	1045	462/31 Attention 10871 99978 46277 22850 86323 51524 36992 64408 99205 33362 ... 34987 Out	USB		(Spec)
8091	E11a	16-11-2011	1045	462/31 A 10871 99978 .... 34987 OUT	USB		(HS2)
8097	M08a	9-11-2011	1914	5F msg	MCW		(N2UHC)
8097.0	M08a	9-11-2011	1900	In progress	AM	Wed	(BN)
8102	E11	23-11-2011	1902	Weird transmission 747/0000/00	USB		(DLBB)
8102	E11	30-11-2011	1900	747/0000/00	USB		(AnEur)
8105.0	M42	15-11-2011	1640	Russian Gov/Intel	Baudot 200/500	Tue	(Anon)
8105.0	M42	16-11-2011	1640	Russian Gov/Intel	Baudot 200/500	Wed	(Anon)
8110	M89	6-11-2011	2344	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	8-11-2011	0335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	9-11-2011	0109	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
8110	M89	9-11-2011	2258	V 7NPE (x3) DE QV5B (x2) (Cont'd) Frequency shift from 5500 //4225	CW		(JPL-HK)
8110	M89	12-11-2011	0049	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	13-11-2011	0254	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
8110	M89	13-11-2011	2353	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sun) Switched from night time freq	CW		(JPL-HK)
8110	M89	16-11-2011	2335	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	17-11-2011	0406	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	18-11-2011	0554	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	22-11-2011	2304	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582 (Tue) (Moved from night time freqs)	CW		(JPL-HK)
8110	M89	23-11-2011	0247	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	25-11-2011	0128	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	28-11-2011	0008	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	28-11-2011	0249	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8110	M89	29-11-2011	0458	V 7NPE (x3) DE QV5B (x2) (Cont'd) (//7582	CW		(JPL-HK)
8123	XPA	1-11-2011	1900	msg	MFSK	Tue	(HFD)
8123	XPA	15-11-2011	1900	158 1 00314 00149 10577 ... 64224 +++++	MFSK-20		(FN)
8123	XPA	17-11-2011	1900	Msg	MFSK-20		(AB)
8123	XPA	22-11-2011	1900	Msg	MFSK-20		(AB)
8139	XPA	22-11-2011	0600	811 000 08764 00001 00000 10140	MFSK-20		(FN)
8150.0	M24	15-11-2011	1725	512(R5) 736 736 53 53 == 46203...	MCW	Tue	(Anon)
8165.0	M14	22-11-2011	0541	614(R3) 987 987 t15 t15 68542(x2)...65635(x2) 9.7987 t15 t15 ttttt (many arrows)	CW	Tue	(Anon)
8167.0	E06	26-11-2011	1214	ended abruptly with 115 and carrier drop at 12:17:08z	USB	Sat	(ScSw)
8167.0	E06	26-11-2011	1217	carrier back at 12:17:30z calling 058 and then incomplete message	USB	Sat	(ScSw)
8183	E07	6-11-2011	1800	199 1-502/34=49305	AM	Sun	(HFD)
8183	E07	13-11-2011	1800	199/00	AM		(Daunt)
8183	E07	16-11-2011	1800	199 199 199 000	AM		(FN)
8183	E07	23-11-2011	1800	199 199 199 1 796 94 73038 53153 ... 000 000	AM		(AB)
8184.0	E07	23-11-2011	1807	ip	AM	Wed	(Anon)
8186	M12	20-11-2011	1914	Fast 5FGs ... 87688 31098 ... 19816 03340 000 000	CW		(MPJ)
8260	S06s	5-11-2011	1210	254-903/6=71143	USB	Sat	(HFD)
8312.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
8420	S06s	7-11-2011	1300	831	USB	Mon	(HFD)
8420	S06s	14-11-2011	1300	831 831 831 470 5 67546 32143 78645 80956 78781 470 5 00000	USB		(AB)
8420	S06s	14-11-2011	1300	831 470 5 67546	USB		(FN)
8487.8	MX	15-11-2011	1352	Beacon "L"	CW		(norave)
8487.8	MX	16-11-2011	0709	Beacon "L"	CW		(AB)
8494.8	MX	6-11-2011	0851	Beacon "P"	CW		(AB)
8494.8	MX	13-11-2011	0721	Beacon "P"	CW		(AB)
8497.8	MX	6-11-2011	0835	Beacon "L"	CW		(AB)
8497.8	MX	13-11-2011	0721	Beacon "L"	CW		(AB)
8530	S06s	9-11-2011	1900	371-450/6=54145	USB	Wed	(HFD)
8530	S06s	16-11-2011	1900	371 845 6 52861	USB		(FN)
8530	S06s	23-11-2011	1900	371 371 371 851 6 ..	USB		(AB)
8587.5	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
8588.0	XSL	4-11-2011	1400	Slot Machine	QPSK	Fri	(SNC)
8704	XSL	25-11-2011	2123	Japanese Navy XSL Slot machine	QPSK		(AB)
8787	M89	22-11-2011	0023	V RXP7 RXP7 RXP7 DE CZT2 CZT2	CW		(ALF)
8789	M89	22-11-2011	0022	V WITN WITN WITN DE GNXG GNXG	CW		(ALF)
8816	M32	28-10-2011	0952	RJF94: Russian naval logistics, Moscow in contact with unid aircraft and RJU9x	CW		(TJ)
8816	M32	1-11-2011	0953	Russian Naval Aircraft 90405 "qth 57023800 qtr 0952 qbg 6900 k"	CW		(WP3)
8816	M32	3-11-2011	1242	Russian Naval Air Transport. "RJF94 RCB qtc k", "30727 qto 1212 qrd xmwb xllv qre 1500 qah 5400 qbd 4400 rpt al k", "30727 qth 5933 2310 qtr 1326 qah 5400 qbd 3700 rpt al k", "30727 qth 5700 1955 qtr 1419 qal xmwb 1458 qah 5400 qbd 3000 rpt al k"	CW		(WP3)
8816	M32	3-11-2011	1242	Russian Naval Air Transport. RCB confirming qtc from 30727	CW		(WP3)
8816	M32	3-11-2011	1242	Russian Naval Air Transport. RFJ94 confirming qtc from 30727	CW		(WP3)
8816	M32	7-11-2011	0657	Russian Naval Air Transport "16405 qto 0635 qrd xllv xmwd qah 5700 qbd 0500 rpt al k"; "16405 qah 5700 qbd 0400 qal xllv 0840 rpt al k"	CW		(WP3)
9068.5	M32	25-11-2011	0741	Russian Navy	CW		(TJ)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
9069.75	M32	26-10-2011	1504	Russian Navy: net control station "1ZHP" wkg with various stations. "SLJE de 1ZHP qrj3 k", "xxx xxx wwaa1 wwaa1 k". The flash messages raises a lot of activity on 9064, 9068.5 and 9069.75 kHz.	CW		(TJ)
9079	E11	16-11-2011	0930	270/00 out	USB		(AB)
9079	E11	17-11-2011	0930	270/00	USB		(FN)
9079	E11	17-11-2011	0930	270/00	USB	Thu	(HFD)
9079	E11	23-11-2011	0930	275/35 03217 89739	USB		(FN)
9079	E11a	17-11-2011	0930	270/00 out	USB		(AB)
9079	E11a	24-11-2011	0930	275/35 Attention 03217 89739 95805 77612 68509 75580 09227 53921 27450 40022 ... 93805 Out	USB		(Spec)
9115.4	M32	1-11-2011	0242	Beacon "D"	CW		(ALF)
9135	S06s	29-11-2011	0810	352 0	USB	Tue	(HFD)
9137	M12	26-11-2011	0621	612 612 612 TTT	CW		(PPA)
9139	XPA	22-11-2011	0620	811 000 08764 00001 00000 10140	MFSK-20		(FN)
9140	M32	3-11-2011	0750	Russian Mil. "VVV RRF30 RRF30 RRF30 DE RUU70 RRU70 ZHC ? ZHC ?" then slow reversals in F1B 100/500	CW		(WP3)
9140	M42	7-11-2011	0742	Russian Gov?. "rrf30 rrf30 rrf30 de ruu70 ruu70 zhc? zhc?" into slow revs and traffic using F1B 50/500	FSK morse / Baudot 50/500		(TJ)
9145	M32	3-11-2011	0716	Russian Navy "RMMA de RIW qyt4 qsx 8313 k"	CW		(WP3)
9153	M08a	11-11-2011	0705	Cuban DGI 5F msg, cut numbers a n d u w r l g m t	CW		(PPA)
9176	M12	14-11-2011	1800	257 1	CW	Mon	(HFD)
9176	M12	14-11-2011	1900	257 1	CW	Mon	(HFD)
9176	M12	21-11-2011	1900	257 257 257 1	CW		(AB)
9176	M12	28-11-2011	1800	257 257 257 1 5FGs 000 000	CW		(AB)
9192	M32	1-11-2011	0955	Russian warship "RFH70 qyt4 qsx 5312/8686 k 1004z: RFH70 qyt4 qmo k"	CW		(WP3)
9192	M32	2-11-2011	0955	Russian Navy Sevastopol "RFH70 de RCV"	CW		(WP3)
9260	S06s	23-11-2011	0843	328 507 6 76294	USB		(FN)
9264	M12	10-11-2011	1822	(In progress) 94099 000 000	CW		(JPL)
9292	M97	22-12-2010	0531	Test msg "aaaaaaaaaaaaaaaaaaaaa tren thi truong hien nay co mot so san pham co tac dung lam giam tiet ..."	CW		(IB)
9435	S06S	9-11-2011	0530	153-908/6=58645	USB	Wed	(HFD)
9446	E11	3-11-2011	0830	649/00	USB	Thu	(HFD)
9446	E11	14-11-2011	0830	640/33 34556 52455	USB		(FN)
9446	E11	14-11-2011	0900	349/00	USB		(AB)
9446	E11	14-11-2011	0900	534/00	USB		(FN)
9446	E11	14-11-2011	0900	534/00	USB	Mon	(HFD)
9446	E11	17-11-2011	0830	640/33 34556 52455	USB		(FN)
9446	E11	23-11-2011	0900	934/00	USB		(FN)
9450	E25	15-11-2011	1259	carrier for 1 min	AM		(MG)
9450	E25	17-11-2011	1318	788 4 5 6 8 9 12 13 780 Breaks, buzzes, YL	AM		(MG)
9450	E25	17-11-2011	1326	780 7154 3090 4730 3623 6352 7877 5246 5876 4730 788 WinXP startup sound, clicks, YL, 78 rptd, Mx3, EOM	AM		(MG)
9450	E25	18-11-2011	1318	780 788 (both as of 17/11) YL,78 rptd, Mx3, EOM	AM		(MG)
9450	E25a	15-11-2011	1322	788 4 5 6 8 9 12 13 785 14 carrier with buzz/breaks at 1320z, YL	AM		(MG)
9610	S11a	1-11-2011	1020	420/31=95078	USB	Tue	(HFD)
9610	S11a	11-11-2011	1020	426/00	USB		(AB)
9610	S11a	15-11-2011	1020	426/00	USB		(AB)
9610	S11a	18-11-2011	1020	426/00	USB		(AB)
9610	S11a	29-11-2011	1020	426/00	USB		(AB)
9698	M97	27-1-2011	0620	Test msg "... lam giam tiet ..."	CW		(IB)
9820	E17z	3-11-2011	0810	674	USB	Thu	(HFD)
10164	M32	5-11-2011	0657	Russian Mil. 5fg msg with no RDL adress (!); "77200 55721", error detected and bcast corrected;"uuuuuu rdl rdl rdl 77200 55721 77200 55721 77200 55721 k" and to be sure the operator rptd the same msg one more time	CW		(TJ)
10164	M32	5-11-2011	0911	Russian Mil. msg to coll adress "RDL";"xxx xxx rdl rdl 97833 88038 dvonit 3744 3414 k"	CW		(TJ)
10205	M97	4-1-2011	1245	Test msg	CW		(IB)
10255	V30	4-11-2011	1600	Back again!!! Messages	USB		(Token)
10255	V30	5-11-2011	1555	Messages. Started 5 minutes early	USB		(Token)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
10265	S06	29-11-2011	0800	352 352 352 00000	AM		(AB)
10265	S06s	29-11-2011	0800	352 0	USB	Tue	(HFD)
10343	M12	10-11-2011	1802	(In progress) 94099 000 000	CW		(JPL)
10375	M97	26-8-2011	1512	tuned in progress	CW		(Token)
10375	M97	26-8-2011	1516	msg SD 61 SN 68	CW		(Token)
10375	M97	27-8-2011	1459	msg SD 61 SN 68	CW		(Token)
10375	M97	27-8-2011	1508	msg SD 61 SN 68	CW		(Token)
10375	M97	27-8-2011	1516	msg SD 61 SN 68	CW		(Token)
10375	M97	28-8-2011	1459	msg SD 61 SN 68	CW		(Token)
10375	M97	28-8-2011	1508	msg SD 61 SN 68	CW		(Token)
10375	M97	28-8-2011	1516	msg SD 61 SN 68	CW		(Token)
10375	M97	30-8-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	30-8-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	30-8-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	31-8-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	31-8-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	31-8-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	1-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	1-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	1-9-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	5-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	5-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	5-9-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	7-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	7-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	7-9-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	8-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	8-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	8-9-2011	1510	SD 62 SN 37	CW		(Token)
10375	M97	15-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	15-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	15-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	16-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	16-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	16-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	17-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	17-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	17-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	18-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	18-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	18-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	19-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	19-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	19-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	20-9-2011	1459	SD 62 SN 37	CW		(Token)
10375	M97	20-9-2011	1505	SD 62 SN 37	CW		(Token)
10375	M97	20-9-2011	1511	SD 62 SN 37	CW		(Token)
10375	M97	22-9-2011	1459	no SD/SN test/training msg in Vietnamese	CW		(Token)
10375	M97	22-9-2011	1506	no SD/SN test/training msg in Vietnamese	CW		(Token)
10375	M97	22-9-2011	1513	no SD/SN test/training msg in Vietnamese	CW		(Token)
10375	M97	23-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	23-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	23-9-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	24-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	24-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	24-9-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	26-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	26-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	26-9-2011	1512	SD 63 SN 40	CW		(Token)

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10375	M97	28-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	28-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	28-9-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	29-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	29-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	29-9-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	30-9-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	30-9-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	30-9-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	1-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	1-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	1-10-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	2-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	2-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	2-10-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	10-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	10-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	10-10-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	11-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	11-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	11-10-2011	1512	SD 63 SN 40	CW		(Token)
10375	M97	13-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	13-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	13-10-2011	1511	SD 63 SN 40	CW		(Token)
10375	M97	14-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	14-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	14-10-2011	1511	SD 63 SN 40	CW		(Token)
10375	M97	15-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	15-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	15-10-2011	1511	SD 63 SN 40	CW		(Token)
10375	M97	17-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	17-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	17-10-2011	1511	SD 63 SN 40	CW		(Token)
10375	M97	18-10-2011	1459	SD 63 SN 40 No other msg, only the single on time msg	CW		(Token)
10375	M97	24-10-2011	1459	SD 63 SN 40	CW		(Token)
10375	M97	24-10-2011	1505	SD 63 SN 40	CW		(Token)
10375	M97	24-10-2011	1511	SD 63 SN 40	CW		(Token)
10375	M97	28-10-2011	1459	SD 64 SN 95	CW		(Token)
10375	M97	28-10-2011	1510	SD 64 SN 95 rec ended before third msg start	CW		(Token)
10375	M97	29-10-2011	1459	SD 64 SN 95	CW		(Token)
10375	M97	29-10-2011	1510	SD 64 SN 95	CW		(Token)
10375	M97	29-10-2011	1522	SD 64 SN 95	CW		(Token)
10375	M97	31-10-2011	1459	SD 64 SN 95	CW		(Token)
10375	M97	31-10-2011	1510	SD 64 SN 95	CW		(Token)
10375	M97	31-10-2011	1522	SD 64 SN 95	CW		(Token)
10375	M97	1-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	1-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	1-11-2011	1517	SD 64 SN 95	CW		(Token)
10375	M97	2-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	2-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	2-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	3-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	3-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	3-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	5-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	5-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	5-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	6-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	6-11-2011	1507	SD 64 SN 95	CW		(Token)

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10375	M97	6-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	8-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	8-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	8-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	9-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	9-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	9-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	10-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	10-11-2011	1507	SD 64 SN 95	CW		(Token)
10375	M97	10-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	14-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	14-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	14-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	15-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	15-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	15-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	16-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	16-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	16-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	17-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	17-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	17-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	18-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	18-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	18-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	21-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	21-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	21-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	22-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	22-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	22-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	23-11-2011	1455	SD 64 SN 95	CW		(Token)
10375	M97	23-11-2011	1506	SD 64 SN 95	CW		(Token)
10375	M97	23-11-2011	1518	SD 64 SN 95	CW		(Token)
10375	M97	24-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	24-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	24-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	25-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	25-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	25-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	26-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	26-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	26-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	27-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	27-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	27-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	28-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	28-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	28-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	29-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	29-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	29-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	30-11-2011	1455	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	30-11-2011	1507	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10375	M97	30-11-2011	1519	SD 65 SN 80 and SD 66 SN 15	CW		(Token)
10423	E06	26-11-2011	1114	in progress, ended 129 35 00000	AM		(ScSw)
10423.0	E06	26-11-2011	1114	missed the beginning ended with 129 35 00000,	USB	Sat	(ScSw)
10510	M51	25-11-2011	1551	NR 27 N 22 16:51:12 1983 BT	CW		(Spec)
10543	M32	1-11-2011	1912	Navy Sevastopol "RMGZ DE RCV QSA? and later RFH70 DE RCV	CW		(PPA)

Freq.	enigma	date	UTC	remarks	mode	day	con-tributor
				QSO RMGZ"			
10562	E11a	27-11-2011	1540	225/31	USB		(Daunt)
10635	S06s	7-11-2011	1310	831 0	USB	Mon	(HFD)
10635	S06s	14-11-2011	1310	831 831 831 470 5 67546 32143 78645 80956 78781 470 5 00000	USB		(AB)
10635	S06s	14-11-2011	1310	831 470 5 67546	USB		(FN)
10690	E11	19-11-2011	1400	984/10=62532	USB	Sat	(HFD)
10690	E11	22-11-2011	1405	ip	USB	Tue	(HFD)
10779	M89	8-11-2011	0333	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	9-11-2011	0108	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	12-11-2011	0048	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	13-11-2011	0253	V WITN (x3) DE GNXG (x2) (Cont'd) (Sun)	CW		(JPL-HK)
10779	M89	14-11-2011	0001	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	16-11-2011	2336	(In Traffic- Mostly U/R) V WITN (x3) DE GNXG (x2)	CW		(JPL-HK)
10779	M89	17-11-2011	0404	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	18-11-2011	0552	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	24-11-2011	0306	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	25-11-2011	0129	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-HK)
10779	M89	28-11-2011	0009	V WITN (x3) DE GNXG (x2) (Cont'd) (Mon) Msg sent at 0045z - see N&O 170	CW		(JPL-HK)
10779	M89	28-11-2011	0344	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-SVK)
10779	M89	29-11-2011	0457	V WITN (x3) DE GNXG (x2) (Cont'd)	CW		(JPL-SVK)
10800	E11a	8-11-2011	0716	ip	USB	Tue	(HFD)
10871.8	MX	6-11-2011	0851	Beacon "P"	CW		(AB)
10871.8	MX	10-11-2011	1809	P (Cont'd)	CW		(JPL)
10871.8	MX	11-11-2011	0758	Beacon "P"	CW		(norave)
10871.9	MX	6-11-2011	0851	Beacon "S"	CW		(AB)
10871.9	MX	10-11-2011	1809	S (Cont'd)	CW		(JPL)
10872	MX	10-11-2011	1809	C (Cont'd)	CW		(JPL)
10872	MX	11-11-2011	0758	Beacon "C"	CW		(norave)
10872.2	MX	19-11-2011	0956	Beacon "F"	CW		(AN-HK)
10872.3	MX	19-11-2011	0956	Beacon "K"	CW		(AN-HK)
10872.4	MX	5-11-2011	2241	Beacon "M"	CW		(AB-HK)
10872.4	MX	19-11-2011	0956	Beacon "M"	CW		(AN-HK)
10896	S30	26-11-2011	1125	The Pip (harmonic of 5448 kHz)	CW		(Danix)
10896	S30	26-11-2011	1212	The Pip (harmonic of 5448 kHz)	CW		(AB)
10896.0	S30	26-11-2011	1124	2 * 5448 , Pip 1st harmonic	USB	Sat	(ScSw)
10920	S06s	10-11-2011	1210	425	USB	Thu	(HFD)
10920	S06s	17-11-2011	1210	425 425 425 903 6 21767 53672 11836 81022 36903 41412 903 6 00000	USB		(AB)
10920	S06s	17-11-2011	1210	425 903 6 21767	USB		(FN)
11000	M32	5-11-2011	1146	Russian Navy. "rmma de riw qyt4 qsa no" RMMA on 12464 is audible with fair signal	CW		(TJ)
11000	M32	7-11-2011	0943	Russian Navy. "rcre de riw qsa?" followed by traffic to and from RCRE on 12464	CW		(TJ)
11075	S06s	9-11-2011	0540	153	USB	Wed	(HFD)
11128	M24	24-11-2011	1130	215 .. 215 634 634 189 189 = =", into repeated 5fg groups, ending; "46762 46762 = 634 634 189 189 ttttt"	CW		(TJ)
11170	E17z	3-11-2011	0800	674-931/5=74167	USB	Thu	(HFD)
11415	S06s	23-11-2011	0853	328 507 6 76294	USB		(FN)
11468	M32	22-11-2011	0734	Russian General staff bcasts to collective RDL "uuu rdl rdl rdl 15987 75585 15987 75585 15987 75585 k"	CW		(TJ)
11780	S06s	11-11-2011	0930	482 7 77559 04451 60510 44165 46423 13354 01484 00000	USB		(AB)
11780	S06s	11-11-2011	0930	516-482/7=77559	USB	Fri	(HFD)
11780	S06s	18-11-2011	0930	516 280 7 98605 85256 17294 14674 65321 66412 52565 280 7 00000	USB		(AB)
12055	X06	21-11-2011	1621	Mazielka. Sequence: 256134	USB		(Spec)
12155	S06s	10-11-2011	1200	425-901/6=83166	USB	Thu	(HFD)

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12155	S06s	17-11-2011	1200	425 425 425 903 6 21767 53672 11836 81022 36903 41412 903 6 00000	USB		(AB)
12155	S06s	17-11-2011	1200	425 903 6 21767	USB		(FN)
12165	G11	22-11-2011	1210	831	USB		(Daunt)
12180	M08a	22-11-2011	1900	No V02a but M08a during the first part of the time slot	CW		(Daunt)
12300	V13	15-11-2011	0612	New Star in progress	USB		(AB-HK)
12365	S06s	16-11-2011	1000	729 501 6 56088 26274 64288 07482 10647 97664 501 6 00000	USB		(HS2)
12365	S06s	23-11-2011	1000	729 501 6 56088	USB		(FN)
12464	M32	5-11-2011	1154	Russian warship RMMA: "riw de rmma qyt4 qls2 k"	CW		(TJ)
12530	S11a	7-11-2011	1015	575/00	USB	Mon	(HFD)
12530	S11a	14-11-2011	1015	475/00	USB		(AB)
12530	S11a	14-11-2011	1015	475/00	USB		(FN)
12530	S11a	17-11-2011	1015	475/00 konet	USB		(AB)
12530	S11a	17-11-2011	1015	475/00	USB		(FN)
12570	S06s	11-11-2011	0940	482 7 77559 04451 60510 44165 46423 13354 01484 00000	USB		(AB)
12570	S06s	11-11-2011	0940	516	USB	Fri	(HFD)
12570	S06s	18-11-2011	0940	516 280 7 98605 85256 17294 14674 65321 66412 52565 280 7 00000	USB		(AB)
12952	S06s	17-11-2011	0900	167 945 8 46062	USB		(FN)
13200	V13	1-11-2011	0601	New Star in progress	USB		(AB-HK)
13200	V13	3-11-2011	0600	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13200	V13	4-11-2011	0613	New Star in progress	USB		(AB-HK)
13200	V13	5-11-2011	0506	New Star in progress	USB		(AB-HK)
13200	V13	5-11-2011	0600	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13200	V13	6-11-2011	0603	New Star in progress	USB		(AB-HK)
13200	V13	6-11-2011	1320	New Star	USB		(AB-HK)
13200	V13	7-11-2011	0609	New Star in progress	USB		(AB-HK)
13200	V13	9-11-2011	0619	New Star in progress	USB		(AB-HK)
13200	V13	10-11-2011	0615	New Star in progress	USB		(AB-HK)
13200	V13	11-11-2011	0607	New Star in progress	USB		(AB-HK)
13200	V13	12-11-2011	0600	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13200	V13	16-11-2011	1200	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13200	V13	18-11-2011	1226	New Star in progress	USB		(AB)
13200	V13	19-11-2011	1220	New Star in progress	USB		(AB-HK)
13200	V13	20-11-2011	0511	New Star in progress	USB		(AB-HK)
13200	V13	21-11-2011	0611	New Star. Barely audible	USB		(AB-HK)
13200	V13	22-11-2011	0600	New Star. Flute tune + code messages	USB		(AB-HK)
13200	V13	23-11-2011	0602	New Star in progress	USB		(AB-HK)
13200	V13	24-11-2011	0700	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13200	V13	24-11-2011	1200	New Star	USB		(swl73oz)
13200	V13	25-11-2011	0625	New Star in progress	USB		(AB-HK)
13200	V13	26-11-2011	1215	New Star in progress	USB		(AB-HK)
13200	V13	28-11-2011	0617	New Star in progress	USB		(AB-HK)
13200	V13	29-11-2011	0700	New Star. Flute tune followed by coded messages	USB		(AB-HK)
13258.4	MX	19-11-2011	0956	Beacon "M"	CW		(AN-HK)
13527.7	MX	13-11-2011	0721	Beacon "D"	CW		(AB)
13527.8	MX	6-11-2011	0851	Beacon "P"	CW		(AB)
13527.8	MX	16-11-2011	0709	Beacon "P"	CW		(AB)
13527.9	MX	6-11-2011	0851	Beacon "S"	CW		(AB)
13527.9	MX	13-11-2011	0721	Beacon "S"	CW		(AB)
13528	MX	28-10-2011	0810	Beacon "C"	CW		(TJ)
13528	MX	6-11-2011	0851	Beacon "C"	CW		(AB)
13528	MX	13-11-2011	0721	Beacon "C"	CW		(AB)
13528	MX	16-11-2011	0709	Beacon "C"	CW		(AB)
13528.2	MX	13-11-2011	0721	Beacon "F"	CW		(AB)
13528.3	MX	13-11-2011	0721	Beacon "K"	CW		(AB-HK)
13528.4	MX	5-11-2011	2241	Beacon "M"	CW		(AB-HK)
13528.4	MX	6-11-2011	0851	Beacon "M"	CW		(AB)
13528.4	MX	16-11-2011	0709	Beacon "M"	CW		(AB)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
13565	S06s	17-11-2011	0910	167 945 8 46062	USB		(FN)
13875	S28	20-11-2011	0759	Buzzer 3rd harmonic	USB		(AnEur)
14280	S06s	16-11-2011	1010	729 501 6 56088 26274 64288 07482 10647 97664 501 6 00000	USB		(HS2)
14280	S06s	23-11-2011	1010	729 501 6 56088	USB		(FN)
14514	M42	28-11-2011	0120	Russian Gov/Intel. 3F 2F 5F 5F 5F offline crypto	Baudot 200bd/500		(MCO)
14950	X06	14-11-2011	0940	Mazielka. Sequence: 352416	AM		(FN)
15328.4	MX	13-11-2011	0721	Beacon "M	CW		(AB-HK)
16103	M42	24-11-2011	1640	Russian Gov/Intel. 5FGs traffic	Baudot 75/500		(MCO)
16112	E11	15-11-2011	0745	335/00	USB	Tue	(HFD)
16128	M32	12-11-2011	1111	Russian Mil: "QTC NQX8 540 34 12 1505 540 = ZOU 083 ="	CW		(PPA)
16200	E06	3-11-2011	0600	507-274/95=62772	AM	Thu	(HFD)
16200	E06	4-11-2011	0600	507	AM	Fri	(HFD)
16200	E06	11-11-2011	0600	507 623 141 57621 89808 46663 03303 45915 ... 31985 623 141 00000	AM		(Danix)
16214	M42	22-11-2011	1407	Russian Gov/Intel	FSK 200bd/1000 ACF=288		(MCO)
16331.7	MX	13-11-2011	0721	Beacon "D"	CW		(AB-HK)
16331.7	MX	16-11-2011	0709	Beacon "D"	CW		(AB)
16331.9	MX	6-11-2011	0851	Beacon "S"	CW		(AB)
16331.9	MX	13-11-2011	0721	Beacon "S"	CW		(AB)
16331.9	MX	16-11-2011	0709	Beacon "S"	CW		(AB)
16332	MX	6-11-2011	0851	Beacon "C"	CW		(AB)
16332	MX	13-11-2011	0721	Beacon "C"	CW		(AB)
16332	MX	16-11-2011	0709	Beacon "C"	CW		(AB)
16332.3	MX	28-10-2011	0814	Beacon "K"	CW		(TJ)
16332.3	MX	5-11-2011	2241	Beacon "K"	CW		(AB-HK)
16332.3	MX	6-11-2011	0851	Beacon "K"	CW		(AB)
16332.3	MX	16-11-2011	0709	Beacon "K"	CW		(AB)
17463	X06	22-11-2011	1512	Mazielka. Sequence: 256134	USB		(FN)
17615	M32	11-11-2011	1240	Russian Navy "rkz de rcv qtc 898 104 11 1540 909"	CW		(PPA)
17870	M97	1-7-2009	0316	Test msg "aaaaaaaaaaaaaaaaa cach day khong lau! gmail da them chuc nang chen hinh ..."	CW		(IB)
18200	E06	3-11-2011	0700	507	AM	Thu	(HFD)
18200	E06	11-11-2011	0700	507 623 141 57621 89808 46663 03303 45915 ... 31985 623 141 00000	AM		(Danix)
18200	E06	24-11-2011	0700	507 429 155 40510 16780 81667 92290 25681 18110 61870 35548 06183 98753 ... 429 155 00000	AM		(Spec)
18210	E06	17-11-2011	0700	507 623 141 57621	AM		(FN)
18500	S28	20-11-2011	0553	Buzzer 4th harmonic	USB		(AnEur)
18764	M32	20-11-2011	1146	Russian General Staff end of 5fg msg to coll RDL, then fsk morse flash preamble "xxx xxx" and into F1B T600 36-50/200 strategic data bcast, //20096 kHz	FSK-CW/500		(TJ)
19150	M97	26-6-2009	0306	Test msg "ay khong lau! gmail da them chuc nang chen hinh .."	CW		(IB)
19305	M42	22-11-2011	1320	Russian Gov/Intel. 5FGs 10 per line, ends with F1B CW "qru gb sk"	Baudot 50/500		(MCO)
20047.7	MX	13-11-2011	0721	Beacon "D"	CW		(AB)
20047.7	MX	16-11-2011	0709	Beacon "D"	CW		(AB)
20047.9	MX	6-11-2011	0851	Beacon "S"	CW		(AB)
20047.9	MX	13-11-2011	0721	Beacon "S"	CW		(AB)
20047.9	MX	16-11-2011	0709	Beacon "S"	CW		(AB)
20048	MX	6-11-2011	0851	Beacon "C"	CW		(AB)
20048	MX	13-11-2011	0721	Beacon "C"	CW		(AB)
20048	MX	16-11-2011	0709	Beacon "C"	CW		(AB)
20096	M32	20-11-2011	1146	Russian General Staff end of 5fg msg to coll RDL, then fsk morse flash preamble "xxx xxx" and into F1B T600 36-50/200 strategic data bcast, //18764 kHz	FSK-CW/500		(TJ)

CONTRIBUTORS

AB	**Ary Boender, Netherlands**
AB-AUS	**Ary Boender via GlobalTuners Australia**
AB-HK	**Ary Boender via GlobalTuners Hong Kong**
ALF	**Alf, Germany**
AnEur	**Anonymous Europe**
Anon	**Anonymous**
AtB	**Attu Bosch, AK, USA**
Avare	**Avare from irc.mibbit.net/#uvb-76**
BN	**Blue November, Canada**
Dan	**Daniel**
Danix	**Danix111, Gdynia, Poland**
Daunt	**Dauntless, UK**
DLBB	**DLBB**
DPS	**Dave Payne Sr, West Virginia, USA**
FMB	**FMB, Germany**
FN	**Fritz Nusser, Switzerland**
haz	**Hazlett**
HFD	**Hans-Friedrich Dumrese, Germany**
HS2	**Hans Snekvik, W. Europe**
IB	**Igor Buhtiyarov, Russia**
Jon-FL	**Jon, FL, USA**
JPL	**JPL, Ontario, Canada**
JPL-GRC	**JPL via GlobalTuners Greece**
JPL-HK	**JPL via GlobalTuners Hong Kong**
JPL-SVK	**JPL via GlobalTuners Slovakia**
MAUK	**MikeA, UK**
MCO	**Mike Chace-Ortiz, PA, USA**
MG	**Manolis, Greece**
ML4	**Michel Lacroix, France**
MPJ	**Jim, SW England**
MTIA	**MTIA, UK**
N2UHC	**N2UHC**
Norave	**Norave (GFD)**
PPA	**Peter Poelstra, Netherlands**
RR2	**R.Ray, IL, USA**
Saber	**SaberWing, N. Ireland**
scsw	**ScanSweden, Sweden**
Spec	**The Spectre 3000, UK**
stefan	**Stefanazz, Italy**
swl73oz	**J. Murphy, Australia**
TJ	**Trond Jacobsen, Norway**
Token	**T!, CA, USA**
Westli	**Westli, CA, USA**
WP3	**Wolfgang Palmberger**

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Website: http://www.udxf.nl

Spooks (spooks related info and logs)
Go to the web interface http://mailman.qth.net/mailman/listinfo/spooks to subscribe. Fill in the form and follow the instructions that will be mailed to you.