

# ENIGMA 2000 NEWSLETTER

<http://www.enigma2000.org.uk>



Number Station Monitoring at Ruchenstrasse, Lichtenberg Berlin  
Longwire on roof of hotel [PLdn/HJH STASI expedition]  
Hotel was 10 mins walk from STASI HQ

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## EDITORIAL

I'm sure all of you have been closely watching the news outlets for current information - as a series of unexpected events have eaten into our time available. PLondon is aware of an increase of length in the messages of at least one XPA schedule whilst two members have expressed surprise that E25 is still on air. We know at least where it isn't.

Over the last two months E06 and E07 have enjoyed message content and S06 can be seen to be very active across its variants.

V02a and SK01 Cuban station seems to me making the right noises again – some not unusually in the wrong place but given the propagation some surprisingly heard in the UK and Europe.

Morse stations are still more plentiful, again with many full messages with some available for perusal on our pages thanks to 'Spectre' who has also penned a piece to update his thoughts, and others, on recording from radio.

### The quick roundup

Error correction NL 65 Morse Section – M24 entry should read **15 June**.

M12 has shown the most unusual behaviour during the period covered by this issue, 2x TXs of over 1000 groups with others over 600 groups. It raises the obvious questions as to whether these are intended for manual transcription or auto reception.

We tend to think that TX durations of well over an hour are pushing the limits of concentration for even the best manual intercept operators.

M89 is showing some further interesting variations, firstly the additional new freqs heard ,secondly the continuing - but at a lower rate - of the inserted hand traffic and lastly the 4 group, cut numbers,cipher traffic.

### Comment

Why is July/August repeatedly full of unwanted incidents - this is the 3<sup>rd</sup> year in a row that things untoward have conspired to try and derail the NL production.

Next year I'm going to cancel both these months and have 3 Septembers instead :-).

Never mind we got there in the end.

Mike L

### Morse Stations

Freqs are generally +/- 1k

This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments in this issue.

### M01/3 XIV MCW, hand (025 sked from May - Aug)

Will change to M01/2 sked ID 463 for Sept - Oct)

No repeat mssgs sent

6435	15.00z	02 July	'025' 318 30 == 10120, fair, v fast
6780	07.00z	03 July	'025' 003 30 == 05029, strong, med-fast
5280	18.00z	05 July	'025' 660 30 == 88776, good, v fast
4905	20.00z	"	'025' 414 30 == 36137, speed all over the place
6435	15.00z	09 July	'025' 476 30 61249, fair, v fast . The == omitted from TX
4905	20.00z	12 July	'025' 092 30 == 08388, strong, med-fast
5280	18.00z	14 July	'025' 415 30 == 88973, good, v fast, errors
4905	20.00z	"	'025' 560 30 == 11895, strong, v fast, errors
6781	07.00z	17 July	'025' 075 30 == 61672
5280	18.00z	19 July	'025' 810 30 == 61129
5280	18.00z	21 July	'025' 104 30 == 36884, good, fast
4905	20.00z	"	'025' 207 30 == 36466, strong, fast - ragged
6435	15.00z	23 July	'025' 174 30 == 54422, fair, fast - v ragged
6780	20.00z	24 July	'025' 341 30 == 26031, good, fast, exlt op
6435	15.00z	30 July	'025' 364 30 == 86011, weak, fast
6780	07.00z	31 July	'025' 839 30 == 22536, fair, med-fast
4905	20.00z	04 Aug	'025' 645 30 == 67430, strong, v fast
5280	18.00z	09 Aug	'025' 315 30 == 49753, good, slow
6435	15.00z	13 Aug	'025' 050 30 == 71480, good, fast, errors
4905	20.00z	16 Aug	'025' 890 30 == 45631, strong, fast
5280	20.00z	23 Aug	'025' 909 30 == 62038, strong, fast
6780	07.00z	28 Aug	'025' 613 30 == 75107, no pauses fst 6 gps

Logs

4905kHz2000z 07/07[025 234 30 == 07196 ..... 92580 == 234 30 000] 2011z Weak QRN3 QSB2 Spectre THU

6434kHz1500z 02/07[025 318 30 == 10120 ..... 79216 == 318 30 000] 1508z Weak QRN4 QSB2 Spectre SAT

025 318 30 ==  
10120 52365 86218 06336 80318 85664 18091 (13091) 54757 40061  
67911 72476 03973 84077 23181 64404 97818 27033 27157 02408  
61067 93423 85461 77343 43401 03872 63468 (53468) 43561 06045  
44282 (14282) 79216  
== 318 30 000

Note some mistakes in repeated groups.

4905kHz2000z 28/07[025 770 30 = 84910 ... 84879 = 770 30 000] 2008z Fair QRN3 QSB2 Spectre THU

025 770 30 =  
84910 23170 98962 14019 94883 87500 33494 49996 29851 30799  
69690 28166 78939 83810 60330 61599 16248 46647 09679 55702  
77076 24460 64213 16506 76034 41553 47045 75971 32103 84879  
= 770 30 000

5280kHz1800z

28/07[025 463 30 = 38971 ... 67097 = 463 30 000] 1808z Fair

QRN2 QSB2

Spectre

THU

025 463 30 =  
38971 26450 20962 72492 95778 66131 08511 25725 86078 57837  
72436 32198 25200 81523 20140 68056 60304 69930 88261 86897  
56356 45676 67515 47982 37477 79343 50005 82504 67687 67097  
= 463 30 000

August

M01

4905kHz2000z 02/08[025 505 30 = 18444 ... 57168 = 505 30 000] Fair QRN3 QSB2 Spectre TUE  
025 505 30 =  
18444 15898 80361 63005 79163 32069 52763 67856 75331 83272  
94806 82598 16929 55582 95841 02900 10079 16306 84161 07896  
97017 77875 64618 63234 87505 44613 36435 68941 10941 57168  
= 505 30 000

4509kHz2000z 04/08[025 645 30 = 67430 ... 86437 = 645 30 000] 2008z Fair QRN3 QSB2 Spectre THU  
025 645 30 =  
67430 45753 55597 98308 06645 67336 38034 16533 17086 40956  
60586 75953 91032 64764 46528 93832 35578 77672 45252 02620  
73545 53754 66961 59759 82046 77714 10501 37464 83344 86437  
= 645 30 000

August:

4905kHz2000z 02/08[025 505 30 = 18444 ... 57168 = 505 30 000] Fair QRN3 QSB2 Spectre TUE  
025 505 30 =  
18444 15898 80361 63005 79163 32069 52763 67856 75331 83272  
94806 82598 16929 55582 95841 02900 10079 16306 84161 07896  
97017 77875 64618 63234 87505 44613 36435 68941 10941 57168  
= 505 30 000

4905kHz 2000z 04/08[025 645 30 = 67430 ... 86437 = 645 30 000] 2008z Fair QRN3 QSB2 Spectre THU  
025 645 30 =  
67430 45753 55597 98308 06645 67336 38034 16533 17086 40956  
60586 75953 91032 64764 46528 93832 35578 77672 45252 02620  
73545 53754 66961 59759 82046 77714 10501 37464 83344 86437  
= 645 30 000

5280kHz1800z 09/08[025 217 30 = 82309 ... 61358 = 217 30 000] 1809z Fair QRN2 QSB2 Spectre TUE  
025 217 30 =  
82309 41342 33858 06641 28306 76528 46702 95858 80711 27451  
86088 13598 55896 83175 32632 58271 59243 70117 82419 42837  
45922 24423 56737 91055 10569 91442 89671 25739 70052 61358  
= 217 30 000

4905kHz2000z 09/08[025 315 30 = 49753 ... 05\*\*4 315 30 000] 2011z Fair QRN2 QSB3 Spectre TUE  
025 315 30 =  
49753 11595 06534 02156 28777 56924 68170 04061 49129 75428  
60721 67125 84324 25843 19839 00508 48130 51297 56349 71482  
17031 20298 40915 07059 14989 35419 15361 93544 55127 05\*\*4  
= 315 30 000

4905kHz2000z 11/08[025 713 30 = 89264 ... 26957 = 713 30 000] 2009z Fair QRN2 QSB2 Spectre THU  
025 713 30 =  
89264 48590 44940 35992 09899 40417 05433 30920 55079 46929  
17284 82068 74112 09621 07150 72706 71067 57916 35809 61278  
13319 20725 65313 28945 97699 40127 64468 87436 14962 26957  
= 713 30 000

4905kHz2000z 16/08[025 890 30 = 45631 ... 07099 = 890 30 000] 2010z Fair QRN2 QSB2 Spectre TUE  
025 890 30 =  
45631 50840 34690 59676 88766 61084 47951 29573 71772 51313  
34755 49217 75579 73582 69432 61518 24911 72576 59163 99696  
08022 21435 20345 62410 01927 87878 06640 52982 16234 07099  
= 890 30 000

4905kHz2000z 18/08[025 542 30 = 80290 ... 81791 = 542 30 000] 2008z Fair QRN3 QSB2 Spectre THU  
025 542 30 =  
80290 87615 92448 57099 78830 87318 35319 20514 61779 37565  
23942 69138 37586 10763 74773 86762 52190 73133 22244 48706  
71740 34920 16050 42373 57926 58153 92454 41084 81791  
= 542 30 000  
Note M01 sent 29 groups instead of 30.

5280kHz1800z 23/08[025 750 30 = 95532 ... 92987 = 750 30 000] 1809z Weak QRN3 QSB3 Spectre TUE  
4905kHz2000z 30/08[025 463 30 = 14005 ... 35150 = 463 30 000] 2010z Fair QRN3 QSB2 Spectre TUE  
025 463 30 =  
14005 51645 08356 16665 81290 75855 78983 51529 12639 70044  
43029 21471 55602 88886 75436 63755 35777 47623 35218 02731  
85649 54463 26275 20633 28549 36688 79843 10100 33773 35150  
= 463 30 000

**M01a** (formerly end of month TXs, now random)

No reports

**M01b**

Messages repeated

5095	18.32z	07 July	'815' 938 30
5805	19.42z	"	'936' 938 30
4895//5340	20.10z	08 July	'467' 938 30 == 13348
5126//5736	18.10z	11 July	'364' 784 30 == 96469
5151//5476	19.15z	"	'858' 784 30 == 96469
5076	19.02z	15 July	'336' 784 30 == 96469
5811	15.15z	12 Aug	'158' 524 30 == 59454
5076//5466	19.02z	"	'336' 510 30 == 60121
4896//5341	20.10z	"	'467' 510 30 == 60121
5150//5475	19.15z	15/22 Aug	'858' 510 30 == 60121

Logs:

5075kHz1903z	08/07[336 938 30 == 13348 ..... 13749 == 938 30 000]	1921z Weak QRN3	Spectre	FRI
5340kHz2010z	29/07[467 784 30 = 96469 ... 15833 = 784 30 000]	2027z Weak QRN3 QSB2	Spectre	FRI
	467 784 30 = 96469 59730 16669 73683 03195 46992 88400 13377 40668 14316 95218 42904 83944 43608 81401 99433 75595 64000 51458 15012 76337 62624 77213 27132 70527 22786 26022 77832 13715 15833 = 784 30 000			
5475kHz1915z	04/07[858 938 30 == 13348 ... 13749 == 938 30 000]	1935z Weak QSB2 QRN3	Spectre	MON
1915z	25/07[858 784 30 == 96469 ... 15833 == 784 30 000]	1933z Fair QRN3 QSB2	Spectre	MON
	858 784 30 = 96469 59730 16669 73683 03195 46992 88400 13377 40668 14316 95218 42904 83944 43608 81401 99433 75595 64000 51458 15012 76337 62624 77213 27132 70527 22786 26022 77832 13715 15833 = 784 30 000			
5805kHz1942z	07/07[936 948 30 == 13348 ..... 13749 == 948 30 000]	1958z Weak QRN2 QSB2	Spectre	THU

**August:**

5340kHz2010z	05/08[467 784 30 = 96469 ... 15833 = 784 30 000]	2026z Fair QRN2 QSB2	Spectre	FRI
	467 784 30 = 96469 59730 16669 72683 03195 46992 88400 13377 40668 14316 95218 42904 83944 44608 81401 99433 75595 64000 51452 15012 76337 62624 77213 27132 70527 22786 26022 76832 13715 15833 = 784 30 000			
5340kHz2010z	12/08[467 510 30 = 60121 ... 46894 = 510 30 000]	2027z Fair QRN3 QSB2	Spectre	FRI
	467 510 30 = 60121 11369 94111 53268 63312 82815 14558 31998 98327 24727 82785 28191 82023 10506 61089 08555 87489 00869 96124 49479 65728 36522 31847 59259 25310 91866 23421 01069 26086 46894 = 510 30 000			
5475kHz1915z	22/08[858 510 30 = 60121 ... 46894 = 510 30 000]	1932z Weak QRN3 QSB3	Spectre	MON
	858 510 30 = 60121 11369 94111 53268 63312 82815 14558 31998 98327 24727 82785 28191 82023 10506 61079 08555 87489 00869 96124 49479 65727 36522 31847 59259 25310 91866 23421 01069 26086 46894 = 510 30 000			
5340kHz2010z	26/08[467 510 30 = 60121 ... 46894 = 510 30 000]	2026z Fair QRN2 QSB2	Spectre	FRI
	467 510 30 = 60121 11369 94111 53268 63312 82815 14558 31998 98327 24727 82785 28191 82023 10506 61079 08555 87489 00869 96124 49479 65727 36522 31847 59259 25310 91866 23421 01069 26086 46894 = 510 30 000			

**M01c**

No reports

**M03 III** ICW, some CW

6524	08.20z	17 July	761 00
7837	13.20z	17 July	438/00
6524	15.35z	19 July	798 00
7837	11.15z	20 July	650/00
6524	08.20z	29 July	761/00
7837	11.15z	04 Aug	656/31 == 20591

Full copy, per Danix

656/31 ==  
20591 79551 31929 54268 37418 89936 25705 05876 78624 67011  
41742 99117 36754 53490 01643 24587 64140 32699 77631 55107  
64128 56987 03973 90330 02366 53203 71037 86028 86489 64737  
43062 == 0 0 0

7837	11.15z	18 Aug	650/00
6524	15.35z	20 Aug	795/36 == 05963
6524	11.40z	23 Aug	787/36 == 16933

**M03c** (Stutter groups)

No reports

**M03d**

No reports

**M03e**

No reports

**M08a XVIII** ICW / CW, some MCW

These are the frequencies logged during the period, to be read in conjunction with Mark Slatens charts.

Freqs

5800, 5898, 8135, 9063, 9112, 9153, 10432, 13380

Above use/are MCW

4478, 6768, 6785, 7519, 7554, 8009, 8098, 10857, **11565, 12115**, 12134, 12214

**M08c**

No reports

**M08d**

5800 06.00z 07 July 81012 61032 ...changed into SK01

**M12 IB** ICW, some MCW / CW, short 0. Reuses many freqs year on year.

To be read in conjunction with Brians included monthly charts.

New ID's may be only for the month/sked shown, but not necessarily unknown, all are clearly identified on Brians charts. The reason for their reuse, some after long periods of time, is unknown.

Special thanks are given to Gary N and Danix for their logs this time which provided Brian with some valuable additional info.

There's a clear increase in activity at the moment.

9176/7931/6904	17.04i/p/20/40z	04 July	257 1 2025 79 58248
9176/7931/6904	18.00/20/40zz	"	257 1 6868 /53 = 28980
9176/7931/6904	19.00/20/40z	"	257 1 2711 /92 = 62465
7983	06.30z	07 July	911 000
10343	17.00z	"	124 1 7968 76
9176	"	"	257 1 4196 97

Where did this strange TX come from ?? Not logged before. Did not repeat second week.

10343/9264/8116 18.00/20/40z 07 July 124 1 5968 99

9176/7931/6904 18.30/50/19.10z 07 July 257 1 1041 84

Gary catches the endings of this unexpected one, as the headers were missed we're unsure if it is the same very long message, looking at the timings or separate ones !!, well outside the expected skeds.

7865/8087/9060 i/p at 21.54/22.42/23.35 07 July Headers missed, all end 000 000

possible repeat of above

9345 22.54z 08 July i/p, ends at 23.29z

Is this one a new 10 min sked ? As per the XPA2 pattern.

13386/12189/11491 13.03/15/20 11 July 725 1 5096 93 34932

The ID and freq set were last used in Oct 2006 but at a different time.

13972/13472/11472 13.00/20/40z 11 July 944 1 472 181 26512

9060 19.11z " i/p ends 19.53z 39032 000 000

New sked, with over 600 gps !! And here's most of them, thanks Danix

.993 77054 46220 17561 41293 16391 77835 22534 09890 92232	99060 26412 78053 75250 64169 74619 59942 54497 82796 26628	74228 64439 12991 56124 25907 09448 73377 87216 55956 00857
70638 75624 90309 71582 72004 24589 37509 89955 05760 56381	54944 26628 54944 51418 30158 11749 72607 07113 71342 08964	18624 03663 94825 41731 35900 97028 40500 77219 51019 57327
94039 02543 81362 53534 49438 61702 95379 95445 48418 34991	36907 32479 47082 78949 08132 94850 95917 37193 45559 74398	27199 68616 88880 63726 51008 46647 52799 43717 77286 60218
98460 05596 92061 36133 42856 66014 69604 42047 55089 91713	66883 78731 53202 42981 79734 14961 74726 54069 74436 88182	06466 46221 67300 94297 27212 87192 49411 31664 4124* 80589
14450 82038 73979 69554 89339 78717 47755 16789 97179 27540	96471 19005 23762 32798 05643 64532 55071 61772 53031 76458	24066 27749 17502 12774 41052 97962 06784 76530 75344 7518*
96316 63013 86013 68145 60971 09176 59072 66683 97907 93129	76997 02686 70031 9*51* 30039 14984 41759 68247 02058 57748	78473 80438 34356 36584 43118 90734 99097 78666 28766 92494
64401 15218 33020 84577 28380 39197 91720 25940 52332 61920	27566 67188 65919 20933 54064 07403 38501 30698 65784 45346	60376 43181 19642 17901 33361 54458 10814 61028 03282 78461
35757 40699 23959 87159 26301 42765 67830 92401 55619 82338	29059 94597 37601 55834 42964 35194 63342 39678 72943 37436	84355 35433 59223 1*2** 06795 30818 47046 68929 52514 05956
53750 18457 82604 44789 76132 62051 01556 150*0 61897 68129	71991 59942 56118 51788 25541 05878 90051 04717 39605 24143	41424 79387 68186 02204 92691 982*2 44050 57154 18317 86852
75402 08816 51938 68910 36436 89417 56674 84808 56195 14968	43218 37323 88114 06468 49272 52572 31837 13383 00731 82697	08520 55157 83897 14608 08935 86155 17389 80053 09215 32493
30411 26124 98987 56138 *0140 56831 95081 24221 48691 *1701	97931 11444 34006 53076 54036 56529 00023 94746 68410 69340	19939 01*21 75245 83035 15787 37932 25612 62050 73425 03935
69744 83135 92888 62584 72027 22146 53321 21466 98806 07690	90232 97878 24469 28076 00279 70694 68832 57571 43726 33330	1*010 73122 82484 49237 01799 87867 9*848 01473 53354 56235
58189 47025 22165 69781 84238 44642 17826 85907 96172 33955	34824 12315 00917 37403 70711 05843 79129 87457 55124 71874	71936 66992 98980 21983 80495 21393 *7569 878*5 06158 87332
98978 06312 40546 47111 50654 40083 23547 39695 02677 32400	69883 93251 35758 40256 30471 60408 04209 94105 78053 91389	57609 77217 61525 46745 63490 22465 11127 98513 25121 98670
13375 58275 25514 14513 26580 95003 10180 12620 61403 26287	00390 27463 62203 08477 60567 41716 99752 92615 73193 27772	41953 68510 12781 46004 51887 09932 99070 37611 06686 24842
71165 44705 39498 84970 88798 46221 10953 28712 49251 63700	28737 33077 05518 08854 32239 72707 42988 38014 28952 85974	60073 35065 54053 09965 47531 92024 80001 82682 23752 58203
92483 43041 28237 71534 16304 06344 07751 64504 01205 78970	19049 32920 53661 94269 25422 38586 20870 20733 28828 52027	06330 28212 90578 18541 06339 20361 17164 40367 49139 73857
14791 20998 12051 91866 34380 68942 56583 00244 01503 86483	40198 35869 07309 80232 85674 43565 83161 73820 11374 52881	65*70 05939 74822 04543 48782 04543 48782 22841 35233 37820
52063 05451 19708 09182 15273 30124 48557 26413 28885 49838	51123 44647 52267 19357 17698 62057 18657 54103 97540 23907	98872 85*51 71065 *9794 **224 29*08 33**5 31*14 28271 42224
00776 59660 16902 10121 72561 11295 75578 89414 48116 49681	10475 33265 99497 28299 57125 84033 95154 80848 08511 55927	**489 7056* 60245 74213 48033 36229 88011 5248* 19886 610**
80138 59577 66510 19339 56972 19809 73571 36516 24765 68555	56381 61632 68889 25759 57717 43630 83724 87230 23688 04874	8700* *36** 32096 61225 658** *568 45332 4*509 46772 61768
99060 26412 78053 75250 64169 74619 59942 54497 82796 26628	95673 77431 71958 13317 31682 05121 16200 84*10 22191 66617	1*321 42266 75818 52861 3886* 39068 62248 28084 49462 62188
		19*** 97852 455** 1*326 13288 34215 422*7 31264 43131 08865
		82089 76271 60284 74388 93727 93916 32787 938*4 51448 35110
		04526 44226 63616 38003 20*16 221** 53833 19774 2*624 30857
		06449 *6162 95113 03658 34171 56669 07740 635** 4802* 5240*
		68083 16158 12016 76064 78435 *181* ***** *1763 83234 61475
		71452 95350 76376 16894 7**06 23896 00999 8*360 757*6 62300
		16475 1*568 389*6 55836 89787 47756 95*81 490*5 07937 6304*
		390**
		0 0 0 0 0

6835 20.30z 11 July i/p ends 21.13z 22340 000 000

Another long one, looking at the TX time.

7865 22.07 " i/p ends 22.39z 000 000

And to finish the day on a high note this lot turns up - something very peculiar going on.

8145 23.00z 11 July 558 1 8983 1234 8983 1211 groups

TX took 69 mins !What a GC-whichever one it was longest ever logged - and is there any significance to the 1234??

No repeats of this TX found. - yet !!

8047/6802/5788 17.00/20/40z 13 July 463 1

13569 21.33z 16 July i/p ends 21.39z '18043 000 000 NEW

10843/9243/7843 18.30/50/19.10z 17 July 828 1 4647 213 37090 .....

13972/13472/11472 13.00/20/40z 18 July 944 1

9379/7979 21.00/20z 20 July 398 000

Another new freq per GN, possible repeats not found

13926 13.17z 21 June i/p ends 000 000

(14869)13569 21.30z 25 July 613 000

13972 13.07 25 July 944 1 465 223 86877

This freq comes back to life with another huge GC breaking all the records, this is a 74 min TX - surely must be for auto decoding ?

16190 21.00z 27 July 975 1 8686 1291 groups

13369/12179/---- 21.10/30/50z 06 Aug 314 New ID Wed/Sat ?

13984/12184/10384 18.30/50/19.10z 07 Aug 913 New sked

14964/13972 13.00/20 08 Aug 991 1 630 157 45835

7931/6904 17.00/20z 15 Aug 257 1 1881 73 .....

7584/8184/9184 03.40/04.00/20z 16 Aug 511 1

13369/12179/10469 21.10/30/50z 17 Aug 314 1 714 147 10693

14467/ ????? 13.17z 18 Aug i/p New freq/Sked

9176/7931/6904 19.00/20/40z " 257 1

13369/12179 21.10/30z 24 Aug 314 000

14468/13568 13.00/20z 25 Aug 451 000 Sat sked confirmation

14964/----/12164 13.00/--/40z 29 Aug 991 1 961 139 33701

Other M12 logs:

July:

9176kHz 1800z 04/07[257 1 6868 53 28980 ..... 42382 000 000] 1805z Fair QSB2 QRN2 Spectre MON
7931kHz 1820z 04/07[257 1 6868 53 28980 ..... 42382 000 000] 1825z Fair QSB2 QRN2 Spectre MON

9176kHz1800z 25/07[257 1 3254 58 19608 ... 90241 000 000] 1806z Weak QRN2 QSB2 Spectre MON
7931kHz1820z 25/07[257 1 3254 58 19608 ... 90241 000 000] 1826z Weak QRN3 QSB3 Spectre MON
6904kHz1840z 25/07[257 1 3254 58 19608 ... 90241 000 000] 1846z Fair QRN2 QSB2 Spectre MON

9176/7931/6904kHz 1900/1920/1940z 25/07 Transcript:

257 1 3254 58
19608 26356 92908 00294 42010 91529 96179 60817 03200 01544
31244 58838 41883 40386 79651 83553 71899 01118 78439 15238
41694 62207 13049 81361 44196 57805 47023 50632 06374 78457
87886 75702 98909 08851 86339 46534 19446 43612 78508 01508
12956 34703 80384 38780 21979 08118 58802 13894 86629 18005
28242 28818 72717 41841 94795 61913 51748 90241
000 000

9379kHz2100z 27/07[398 1 938 97 08731 ... 99224 000 000] 2109z Fair BCQRM3 QSB2 Spectre WED
7979kHz2120z 27/07[398 1 938 97 08731 ... 99224 000 000] 2129z Strong QRN2 QSB2 Spectre WED

9379/7979kHz 2100/2120z 27/07 Transcript:

398 1 938 97
08731 16021 68575 07301 86144 76299 71619 77093 68376 58619
26926 26386 52008 36745 78159 45467 03708 61121 71328 17100
58320 72825 25646 62929 12161 83332 90548 79787 33766 43924
63000 10603 01676 38164 14396 73841 28102 46880 41603 44351
62467 67323 00620 42425 18467 85577 92004 15935 15499 45158
25633 14549 75829 04416 24331 24533 59690 92726 42177 42776
34930 33923 51591 86820 63564 74703 59458 34130 63771 09072
79621 38927 37967 80263 17250 54910 68849 75092 24640 42339
95489 03724 45153 57223 55610 93675 51443 94457 31930 31470
24727 63907 98965 42515 54055 40828 99224
000 000

August

6904kHz1940z 01/08[257 1 3038 60 77847 ... 71255 000 000] 1946z Fair QRN3 QSB2 Spectre MON
1940z 29/08[257 1 7044 97 54205 ... 14089 000 000] 1948z Fair XJTQRM2 QSB2 Spectre MON

7931kHz1920z	01/08[257 1 3038 60 77847 ... 71255 000 000] 1926z Fair QRN3 QSB2	Spectre	MON
	7931/6904kHz 1920/1940z 01/08 Transcript: 257 1 3038 60 77847 51864 70907 41745 82007 06360 90395 41327 84646 47639 20044 24963 46872 59792 58479 13153 62824 10932 91057 05152 61195 50592 75939 84957 37467 24098 73061 08886 84702 48702 37450 42064 52812 25529 32226 53876 68211 65353 40006 57421 81147 03369 52319 46203 42839 68956 48485 23102 64009 37491 24700 94142 25574 05695 61162 92582 01743 30498 65732 71255 000 000		
1920z	29/08[257 1 7044 97 54205 ... 14089 000 000] 1928z Fair QRN2 QSB2	Spectre	MON
9176kHz1900z	29/08[257 1 7044 97 54205 ... 14089 000 000] 1908z Fair QRN2 QSB2	Spectre	MON
10958kHz1340z	08/08[991 1 630 157 45835 ... 54424 000] 1352z Fair QRN3 QSB2	Spectre	MON
12164kHz1340z	15/08[991 1 149 163 71821 ... 37824 000 000] 1352z Weak QRN2 QSB2	Spectre	MON
13458kHz1320z	08/08[991 1 630 157 45835 ... 54424 000] 1332z Fair QRN3 QSB2	Spectre	MON
13972kHz1320z	15/08[991 1 149 163 71821 ... 37824 000 000] 1332z Fair QRN2 QSB2	Spectre	MON
14969kHz1300z	08/08[991 1 630 157 45835 ... 54424 000] 1312z Fair QRN2 QSB2	Spectre	MON
1300z	15/08[991 1 149 163 71821 ... 37824 000 000] 1312z Fair QRN2 QSB2	Spectre	MON

**M12a** (two message variant)

9176/7931/6904                      19.00/20/40z                      15 Aug                      257 2    635/57    741/43

First time that ID 257 has been heard on M12a, though a regular on M12, and it's unusual to log an evening 2 message TX.

**M14 IA** MCW / ICW / MCWCC, short 0

5241                      23.05z                      10 July    i/p ends 23.10z = =213 213 15 15 00000  
Then returns with 1-9 count x22 followed by count 1-5 then off air

6856                      18.20z                      09 Aug                      163 357 15 = 13254  
6856                      18.22z                      23 Aug                      163 357 15

**M14a** (two message variant)

No reports

**M18 IC**

No reports

**M23 O**

11422//12170                      14.02+z                      02 July                      505 R (long Zero)  
11422//12170                      14.00z                      19 July                      747 R  
11442                      14.10z                      23 July                      646 R

**M24 IA** MCW / ICW / MCWCC (high speed version of M14), short 0

18222                      09.34z                      25 Aug                      i/p ??? 920 147 11111 21823

**M24a**, as M24 with 2<sup>nd</sup> addressee hand keyed, rarely intercepted.

No report

**M39 ICX?** ICW / MCW

No reports

**M44**

No reports

**M45/3 XIV** (May-Aug) MCW, slow, hand, paired gps

Will change to M45/2 for Sept/Oct on 4555//4955 at 18.02z clg '555'

5075//5475                      17.02z                      19 July                      '074' 731 30 = 33286

These interesting logs from Danix - M45 sending on some S21 schedule freqs

5373                      c17.35z                      04 Aug                      i/p ends = = 731 731 30 30 0 0 0  
4973//5373                      17.42z                      18 Aug                      '973' 971 30 = = 61941  
5075//5475                      17.02z                      25 Aug                      '074' 971 30 = = 61941

**M50 XIV** MCW

No reports

**M51 XIX**

5115kHz2130z	31/08[(In Progress) nr 33 a 31 23:32:31 1983 bt ypcgq ...] Fair QRN3 QSB2	Spectre	WED
5120kHz1330z	30/08[(In Progress) nr 06 a 30 15:32:36 1983 bt jmvod ...] Very Weak QRN2 QSB3	Spectre	TUE

**M55 O**

No reports

**M62 O**

No reports

**M76 O**

No reports

**M87 O**

No reports

**M89 O**

The 'VVV' calls with 'QSA' ending are still with us.

J-PL keeps a close eye on this station and makes good use of the Global Tuners network, as do a few other members which combined has added some more new freqs to our watch lists.

The short hand sent messages appear to have reduced quite markedly.

6840//10640	02.20z	03 July	VVV Q2M de NYZ
4860//6840	14.20/18.20z	03/07/09 July	" " "
4225//5500	12/18/20/22.00z	03-09 July	V 7NPE de QV5B
3797	14/17/18.12/20z	03/06/07/08 July	V H2FL de DRV8
<b>3797//6773//8040</b>	11.47	"	" " "

First triple freq TX heard for M89

4523//7568	17/18/20/23	03/05/06/08/09	V QPZM de WOXN
3642	18.14z	03 July	V DKG6 de 3A7D
			First time 3A7D heard this freq

3642	14/17/20z	06/07/08 July	V DKG6 de 3A7D
3297	11/14/17/20z	06/07/08 July	V GKVZ de Q7NW

J-PL comments on this log

3297	13.06-13.46z	11 July	i/p 4 gp cipher tfc
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using AU34567DNT until 13.28z but msg ended at 10.13z and sent 'MSG NR 074 CK 301 44 7 1221', before resuming the cipher tfc where the sendingspeed jumps around all over the place 30 - 5 - 50 - 30 - 40 WPM, before returning to the usual 'round slip at 10.46z. What on earth were they up to ?.

3797//4532	19.27z	15 July	V H2FL de DRV8
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First time for DRV8 to be heard on 4532 - it's usually UN2T - so has it been replaced.

6840//10640	11.19/12.20z	18 /25 July	VVV Q2M de NYZ
4860//6840	18.19z	"	" " "
4225//5500	11.37/12.38z	18/25 July	V 7NPE de QV5B
" "	15.59z	"	" " "
4532//7568	16.00z	"	V QPZM de WOXN
3297	15.42z	"	i/p cipher tfc then V GKVZ de Q7NW

Then at 15.43z into MSG NR 112 CK 301 44 05 18233T. 28 BT before returning to hand sent very fast cipher tfc till 15.53z

3642	21.25z	24 July	V DKG6 de 3A7D
3297	18.35z	25 July	V GKVZ de Q7NW

interrupted by handsent 'CQ NR 4709 BT BT 58038/4641/04//0.7 NR /7902 AR'

Danix catches these in North Poland

5500	22.03z	28 July	V 7NPE de QV5B
7602	22.06z	"	V DKG6 de 3A7D

3297	13.59z	02 Aug	V GKVZ de Q7NW
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interrupted at 14.02z by handsent 'NR 171 CK 301 44 0702 2200 BT BT then into 4gp cut numbers till 14.30z then resumed the 'round slip'

4860//6840	19.22z	10 Aug	VVV Q2M de NYZ QSA?
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15 Aug - where is WOXN ?? Not heard in past week.  
Hong Kong Global Tuner off -air for a few days.

4225//5500	12.10/16.58/20.28z	21 Aug	V 7NPE de QV5B
<b>8024</b>	19.24z	22 Aug	<b>V RXP7 de CZT2,</b>
<b>New Freq/call, per PP</b>			
8024	20.12z	23 Aug	" " "
<b>10779</b>	10.31z	26 Aug	<b>V WITN de GNXG,</b>
<b>New freq/call Per EW</b>			
3797	14.06z	26 Aug	V H2FL de DRV8

**M94 CW, MCW,** partner station to V24

No reports -virtually unheard in Europe so we rely on our Americas monitors



## **SK01 (Data Mode generic classification, Cuban TX's)**

See comments in Issue 49 which still apply.

J-FI & DJs log mails provide details of ongoing developments.

Freqs used

5800, 5898, 5930, 7890, 8180, 8186, 9063, 9124, 11432, 11435, 11532, 13380

### Contributors

AB, BR, CB, Danix, EW, FN, FS, Gert, GD, GN, HFD, J-FL, JO, J-PL, kd4kym,MB, MoK, MP, MS, PoL, PP, RNGB, Spectre, Westli, Westtlus, Anon2EU, Anon3EU, AnonUK

## **GERMAN BRANCH REPORT**

X06 going "berserk" again! - Report from ENIGMA2000's German Branch (E2Kde) and X06 team

Hallo liebe Freunde und Kollegen der deutschen Branche und des X06 Teams (Hello dear friends and colleagues of the German Branch and X06 team)

The focus is again on X06, but before that, here is one "moving" news from E2Kde:

Kopf has moved

This happened on August 17<sup>th</sup>, and I have another address within Marburg, where the next E2Kde meeting will take place (this wish came from the German Branch itself in Erfurt). I'll keep E2K posted about a date suggestion. The programme will be interesting, cause you will get a personal view into my collection of numbers station cassette pairs.

X06 team

It got 2 new members within the last 2 months: Daniel (Danix111) (Poland) and Alexinroma (Italy, best known to all E25 listeners). With them, we have 2 very active members.

Our team increased its work. We now also deal with CROWD36, a station, which is related to X06. With logs and discussions about the station, we want to support E2K too. Ian, the E2K digi desk manager, is responsible for CROWD36 in our team.

X06 was again going "berserk" in the last 2 months, especially in July. Many X06c transmissions were on the air on different – partially new – frequencies, as you will see in the logs section below. – Why do we report so detailed about this station, which usually brings only 6 tones in different order? Because we on E2K do it very exactly with start and end time of the transmissions – more exact than others -, also we bring more background information like matches, random catches and (possible) schedules of X06. E2K is known for the background information about all numbers stations.

X06 Mazielka (1C) logs section

After publishing the interesting facts about possible X06 schedules in the last issue, we will give on the matches with the number (for example: M131) and random (R) catches from now on. The transmissions without end times, caught by Peter, are again "automatic (auto) recordings". In this special logs section with many X06c transmissions, not all of them with scale "123456" are marked as "X06c" in the "Comments" field, because of the great amount of transmissions this time.

Date	Day UTC	Freq	Scale	Monitor	Comments
20110701	Fri 0907	14570	324615	Peter/UK	Good, M131
20110701	Fri 1032	14501	361245	Peter	M132
20110701	Fri 1032	14824	625413	Peter	M133
20110701	Fri 1313	14871	156234	Peter	M134
20110702	Sat 0841	13506	164532	Peter	Good, M135
20110704	Mon 0643-0654	8100	123-21	Scansweden	X06b in USB (without carrier)
20110704	Mon 0716-0720	13452	165324	Peter	Fair/good, M136
20110704	Mon 1100-1130	8100	123-21	Hans/NO	X06b
20110704	Mon 1113-1130	12100	123-21	Hans	X06b, moved from 8100kHz - and back
20110704	Mon 1126	13979	215346	Hans	Fair shortie (only 40 secs)
20110704	Mon 1130-1134	11090	121212	Danix	X06a in USB (also without carrier)
20110704	Mon 1134-1139	11090		Danix	Mix between X06a and X06b (123-21)
20110704	Mon 1139-1140	11090	121212	Danix	X06a back
20110704	Mon 1140	11090	123-21	Danix/PL, KopfE2Kde	X06b back
20110704	Mon 1144-1151	13510	216435	Peter/UK, Peter/NL	New scale, fair to weak, R
20110704	Mon 1536-1540	11438	532614	Peter	Alert type 2(1) Weak to fair, M137
20110704	Mon 1540	12100	532614	Peter	2(2) Fair shortie (3 seqs), M138
20110705	Tue 0803	12157	165423	Peter	Good, M139
20110705	Tue 0913	14812	246531	Peter	Fair, M140
20110706	Wed 0547-0611	12100	123456	Peter	X06c - good but with fading
20110706	Wed 0647-0926	12100	123456	Scansweden, Peter/NL, Peter/UK, FrankE2Kde, Danix, Gary	Around 0832 BC carrier disappeared
20110706	Wed 0744	14377	432516	Peter	Good, M141
20110706	Wed 0940	17430	214356	Peter	Alert 2(1) Unusual scale on freq, R
20110706	Wed 0946	14501	214356	Peter	2(2) M142
20110706	Wed 0946-0952	12100	123456	Gary/UK	X06c again
20110706	Wed 1034-1237	12100	123456	Gary, Kopf, Danix,Peter	S9+, sometimes with 2 TXs (echo)
20110706	Wed 1340	12100	123456	Gary	Single sequence, then UNID AM BC
20110706	Wed 1426	6940	123456	Danix,Peter	Good in PL, weak in UK
20110706	Wed 1516-1534	12100	123456	Gary	Sometimes blocked by UNID AM BC
20110706	Wed 1525	11090	123456	Brogers,Danix,Peter	S9+ in PL, weak in UK
20110706	Wed 2200	13870	123456	Manolis/GR,Gar	S4 with fading
20110706	Wed 2146-0439	8100	123456	Scansweden, Manolis,Alexinroma,LU5EMM,Gary	Parallel to 13870, double TXs

20110707	Thu	0600-0702	12100	123456	Hans, Gary, Danix	Occasional starts and stops
20110707	Thu	0626	14655	123456	Peter/NL, Manolis	Parallel to 12100
20110707	Thu	0702	12100		Danix	Single long tone
20110707	Thu	0920-0949	12100	123456	Kopf, Gary	Fair
20110707	Thu	1120	12100	123456	Danix, Frank	S9+
20110708	Fri	0749	12213	615243	Peter	Good, M143
20110708	Fri	0803	10653	356412	Peter	Good, M144
20110710	Sun	1035-1128	8000	123456	Scansweden, Ary, Danix, Thomas	Very weak and heavy QRM in NL
20110710	Sun	1136-1158	12100	123456	Ary, Danix, Scansweden	Carrier since 1130
20110710	Sun	1158-1443	8100	2-3--4	Ary, Kopf, Ian Wraith, Scansweden, Thomas	Very weak X06b
20110710	Sun	1158	11500	123456	Scansweden, Ian Wraith, Ary, Thomas	Parallel on 12100, but not synch!
20110710	Sun	1200	16060	261453	Peter	M145
20110710	Sun	1230-1445	12100	123456	Ary, Kopf, Ian Wraith, Thomas	Sometimes in new style
20110710	Sun	1720-1806	12100	123456	LU5EMM	Weak
20110710	Sun	2150	12100	123456	Gary, Kopf, LU5EMM, Hans	Weak to fair with slight TX hum
20110710	Sun	2143-0400	8100	2-3--4	Gary, Kopf, LU5EMM, Hans	X06b with single tone (2 TXs)
20110710	Sun	2210-0356	7910	123456	Gary, Kopf, LU5EMM, Hans	S7, new style!
20110711	Mon	0517-0917	12100	123456	Peter	At 0645: double TX for 15 mins
20110711	Mon	0806	10127	421635	Peter	M146
20110711	Mon	0827	7854	123456	Frank	Parallel to 12500(?)
20110711	Mon	0936	13517	463125	Peter	M147
20110711	Mon	0940	10374	431625	Peter	M148
20110711	Mon	0944-1006	12100	123456	Peter	New style
20110711	Mon	1014	8100	123456	Frank	
20110712	Tue	0733	11090	121212	Danix, Gary, Peter	X06a with S7
20110712	Tue	0800-1457	11090	123456	Gary, Kopf, RNGB	X06c sometimes with 2 TXs (S7)
20110712	Tue	0822-0825	13420	532416	Peter	M149
20110712	Tue	0828-0829	11545	534216	Peter	M150
20110712	Tue	0957-1004	14650	215346	Peter	Alert 2(1) M151
20110712	Tue	1004-1008	16276	314265	RNGB	2 <sup>nd</sup> alert 2(1) I. p.
20110712	Tue	1005-1012	12207	215346	Peter, RNGB	2(2) M152
20110712	Tue	1015-1016	12195	314265	RNGB	2 <sup>nd</sup> 2(2) I. p.
20110712	Tue	1055-1100	11025	612534	Peter	M153
20110712	Tue	1515	8100	123456	Kopf, Frank	
20110712	Tue	1515-1605	12100	123456	Kopf, Fritz	Parallel to 8100, but NOT synch!
20110712	Tue	1606-1620	10165	123456	Kopf, Frank	Shorter TX (ended around 1620)
20110712	Tue	1650	13870	123456	4D, Jan/NL	Good in NL
20110712	Tue	1940-2038	14875	123456	4D/US, Kopf	I. p. - strong in DE
20110712	Tue	2104	15765	123456	RNGB, Gary, Kopf	I. p. - S6-7 in UK, weak in DE
20110712	Tue	2106	16190	123456	RNGB, Gary	I. p. with S6-7, parallel to 15765
20110713	Wed	0745	16045	435621	Peter	Very weak, M154
20110713	Wed	0753	12100	123456	Peter	Good
20110713	Wed	0756	13419	465132	Peter	Good, M155
20110713	Wed	0911-0915	16116	134265	Peter	M156
20110713	Wed	0947-0953	14970	216354	Peter, Hans	Poor (QRM in NO), M157
20110713	Wed	0955-1001	14650	215346	Peter, Hans	Fair in UK, very weak in NO, M158
20110713	Wed	1046-1051	14944	621543	Peter, Hans	S9+ in UK, fair/strong in NO, M159
20110713	Wed	1102-1104	8094	421542	Hans	Weak, variant with 2 tones twice
20110713	Wed	1556-1600	12194	314265	Peter	R
20110714	Thu	0757	12126	521634	Peter	Good, M160
20110714	Thu	0830	9388	561243	Peter	Very weak, M161
20110714	Thu	0945	16223	264532	Peter	Good, M162
20110714	Thu	0948-1007	12100	123456	Peter	Good
20110714	Thu	1129-1131	12100	123456	Peter	
20110714	Thu	1356	4000	123456	Scansweden	
20110714	Thu	1518-1519	10535	564213	Peter	S9+, M163
20110714	Thu	1539	14970	216354	Peter	M164
20110714	Thu	1544	14650	215346	Peter	M165
20110714	Thu	1914	7855	123456	Jan, Danix	Strong in PL - parallel on 17000
20110714	Thu	1934	17000	123456	Hans, Danix, Thomas	Weak in NO, fair in PL
20110714	Thu	2100-0000	14875	123456	4D, Gary	S9+ in UK
20110715	Fri	0647	16320	241563	Peter	M166
20110715	Fri	0835	12094	324615	Scansweden	Alert 2(1) New freq
20110715	Fri	0839	14570	324615	Peter	2(2) M167
20110715	Fri	0957	12215	361245	Peter	M168

20110715	Fri	1930	8105	314265	Peter	Shortie (only 1 sequence), M169
20110718	Mon	1538-1540	11438	532614	Peter	Good, M170
20110718	Mon	1951-2003	13506	164532	Peter	Good, M171
20110719	Tue	0804	12157	165423	Peter	M172
20110719	Tue	0841	13401	154263	Peter	M173
20110719	Tue	0939	14812	246531	Peter	M174
20110720	Wed	0741	14377	432516	Peter	M175
20110720	Wed	1818	14812	1--6--	Mikesndbs	X06b
20110721	Thu	0716-0748	16276	314265	Peter	M176
20110721	Thu	0720	12219	162543	Peter	M177
20110721	Thu	0825	14650	215346	Peter	M178
20110721	Thu	1236-1239	16132	352416	Peter	M179
20110722	Fri	0701-0712	9300	1-21--	Hans	Strong X06b (single tone at 0703)
20110722	Fri	0750-0754	9288	356412	Hans	Fair, R (possible M?)
20110722	Fri	1100-1102	12100	123456	Peter	Poor
20110722	Fri	1619-1620	15828	256134	Peter	M180
20110725	Mon	0958	13517	463125	Peter	Good, M181
20110726	Tue	0530-0532	12100	123456	Peter	
20110726	Tue	0557-0600	9300	123456	Peter	
20110726	Tue	0600-0602	12100	123456	Peter	
20110726	Tue	0833-0843	13420	534216	Peter	M182
20110726	Tue	1032-1037	13510	612534	Peter	M183
20110726	Tue	1053-1110	12100	123456	Peter	
20110727	Wed	0754-0757	11153	465132	Peter	M184
20110727	Wed	1035-1037	14944	621543	Peter	M185
20110727	Wed	1846-1850	7855	121212	Peter/NL	X06a (i. p.)
20110728	Thu	0835	12126	521634	Peter	M186
20110728	Thu	1230	13506	164532	Peter	M187
20110728	Thu	1525-1528	14440	564213	Gary	S6, R
20110728	Thu	1756	7730	123456	Peter/NL	
20110728	Thu	1850	7855	123456	Peter/NL	Like Wed, but with X06c
20110728	Thu	1845-1855	13506	164532	Peter/UK	Alert 2, both R (1)
20110728	Thu	1856	11411	164532	Peter	2(2) Shortie (only 30 secs)
20110729	Fri	1650-1653	13482	314265	Danix	R on new freq
20110801	Mon	0742-0749	10161	165324	Peter	M188
20110801	Mon	0935-0946	14352	165324	Peter	M189
20110801	Mon	1040	16045	435621	Peter	R
20110803	Wed	0609	12100	123456	Peter	Good
20110803	Wed	0828-0830	14377	432516	Hans	Strong, M190
20110803	Wed	1002-1009	18346	214356	Peter	Fair, M191
20110803	Wed	1859	10731	314265	Peter	R
20110805	Fri	0626-0637	16320	241563	Peter	M192
20110805	Fri	1010	13875	361245	Peter	Strong, heavy AM carrier over, R
20110808	Mon	0801-0806	11424	421635	Peter	Good, M193
20110808	Mon	0936	10372	431625	Peter	Fair, M194
20110808	Mon	0946	13517	463125	Peter	Poor, M195
20110808	Mon	1843	12195	314265	Peter	Weak with CROWD over, R
20110808	Mon	1843	13506	164532	Peter	S9+ - heavy tone carrier over, R
20110809	Tue	0825	13420	534216	Peter	M196
20110809	Tue	0848	14861	542136	Peter	M197
20110809	Tue	0930	14861	542136	Andreas/DE	Alert 2(1) S5-9, R
20110809	Tue	0931	16251	542136	Peter	2(2) M198
20110809	Tue	1006	13510	612534	Peter	Alert 2(1) M199
20110809	Tue	1011	14675	612534	Peter	2(2) M200
20110810	Wed	0726-0737	13506	164532	Peter	Alert 2, both R (1)
20110810	Wed	0737	9365	412356	Peter	Fair, M201
20110810	Wed	0739-0744	16223	164532	Hans	2(2) Weak
20110810	Wed	0905-0907	18245	134265	Peter	Fair, M202
20110810	Wed	1039-1042	14944	621543	Peter	Good, M203
20110811	Thu	0737	9388	561243	Peter	Fair, M204
20110811	Thu	0806	12126	521634	Peter	Fair, M205
20110811	Thu	0955	13506	164532	Peter	Good, M206
20110811	Thu	1328-1340	11440	215346	Peter	Alert 2(1) Very good, M207
20110811	Thu	1343	9076	215346	Peter	2(2) Fair, M208
20110811	Thu	1521	9106	564213	Peter	Fair, M209
20110811	Thu	1906-1918	13506	164532	Peter	Good, R
20110812	Fri	0724-0756	11090	123456	Hans	Strong
20110816	Tue	0700	8100	123456	Hans	Starts & stops several times, fair
20110816	Tue	0749	12300		Hans	Single tone, very short and strong
20110816	Tue	0811	14450	123456	Hans	Weak to fair on rarer test freq
20110816	Tue	0839	10240	123456	Hans	Weak to fair, moved from 14450 kHz
20110816	Tue	0848-0849	13401	154263	Hans	Fair (i. p.), M210
20110816	Tue	1636-1644	12215	361245	Hans	Fair/strong, R
20110817	Wed	1030-1033	8100	123456	Danix	X06c + hum in the background
20110817	Wed	0736-0739	14377	432516	Hans	Weak, M211
20110818	Thu	0546	14650	215346	Alexinroma	Good, R (CROWD36 1 h later)
20110819	Fri	0632-0636	16320	241563	Hans	Very weak/weak, new style, M212
20110820	Sat	0650-0658	13510	256134	Gary	R
20110822	Mon	0937-0941	16117	463125	Peter, Alex	Good, M213 (CROWD36 2 mins later)
20110822	Mon	0942-0947	10372	431625	Alex, Peter	Strong, M214
20110822	Mon	2054	10731	314265	Mike/US	Alert 7(1) R
20110822	Mon	2057	12195	314265	Peter	7(2) Good, M215
20110822	Mon	2101	11411	164532	Mike/US	R
20110822	Mon	2102	8123	463125	Peter	Strong, M216

20110822	Mon	2105-2107	12195	314265	Danix	7(3) Strong, R
20110823	Tue	0759-0806	13420	534216	Alex, Peter	Fair/good, M217
20110823	Tue	0829-0832	13493	542136	Peter	Alert 1(1) Fair, M218
20110823	Tue	0835	13493	542136	Alex	1(2) Strong shortie (30 secs), R
20110823	Tue	0959-1009	11025	612534	Peter	Weak, M219
20110823	Tue	1008-1012	13510	612534	Danix, Alex	Fair/strong, new style, M220
20110824	Wed	0738-0741	9061	412356	Peter, Alex	Good/strong, M221
20110824	Wed	0755-0757	13419	465132	Peter	Good, M222
20110824	Wed	0850-0853	16116	134265	Peter	Good, M223
20110825	Thu	0643-0700	13506	164532	Peter	R
20110825	Thu	0751-0756	12126	521634	Peter	M224
20110825	Thu	0955-1003	13506	164532	Peter	M225
20110826	Fri	1042-1049	15828	256134	Peter	Alert 7(1) Very weak, R
20110826	Fri	1052-1112	17463	256134	Peter	7(2) Good (w/ heavy carrier), M226
20110826	Fri	1112-1114	15828	256134	Peter	7(3) Barely audible, R
20110831	Wed	1032-1035	14944	621543	Peter	Good with new style, M227

Many things happened around X06 in these 2 months, and the next months promise to bring more logs on X06. Only active members of our team can give them, and it's great, that our team is still growing, but we need more active members.

In the next report we'll give more information about the German Branch too. Till then I say "Auf Wiedersehen" and "Good-bye"

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

### VOICE STATIONS

We start with RRGB's E06 logs for both months.

#### **E06 log July/August**

Weds	13/07	19.21	5779	'829' 00000
	13/07	20.20	4516	'829' 00000
Saturday	16/07	00.30	9061	'759' 168 30 68140 51707 46738 89738 51163.....26066
Friday	05/08	21.30	5731	'315' 456 15 12345 67890 08642 13579 41962 50431.....01925
Saturday	06/08	00.30	7981	'759' 624 31 09704 05180 11332 08533 64669.....57001
Weds	10/08	20.20	4516	'829' 00000
Thursday	11/08	06.00	13930	'210' 00000
	11/08	07.00	15890	'210' 00000
Saturday	13/08	00.30	7981	'759' 810 34 61752 73003 40029 83325 37274.....26634
Thursday	18/08	06.00	15890	'210' 583 127 57830 25879 77588 99374 67511.....12289
	18/08	20.31	5948	'724' 123 15 13574 79428 57166 92107 46127.....4910?
Saturday	20/08	00.30	7981	'759' 426 31 89481 58558 45627 84473 73494.....80731
Sunday	28/08	00.30	7981	'759' 648 32 79676 24725 80010 19473 21064.....43188

PoS'w's first/third Thursday and Friday 2130z schedule intercepts [July/Aug]

#### First + Third Thursdays in the Month 2030 UTC Schedule:-

7-July-11, 5,948 kHz:- calling "724" on a frequency inside the 49 metre broadcast band, severe interference from a radio station perfectly entitled to be there, making copy of E06 nigh impossible. All the short wave spectrum to choose from and Ivan has to put one of his spy stations here! Similar frequency used for this sending in the summer months of last year but according to my log no problem with interference then so the strong broadcaster must be a newcomer; and I thought short wave broadcasting was on the way out.

18-Aug-11:- 5,948 kHz, calling "724" but flattened by S9+ broadcaster on 5,950.

#### Friday 2130 UTC Schedule:-

8-July-11, 5,731 kHz:- calling "315", DK/GC "289 289 15 15", had the distortion or clipping on the speech noted on several occasions on both this and the Thursday 2030z sending in the past.

22-July-11, 5,731 kHz:- "315" and "289 289 15 15" again, and the audio clipping has gone.

5-Aug-11, 5,731 kHz, call "315", DK/GC "456 456 15 15", no distortion. Some of the 5F groups seemed somewhat contrived with little imagination, for example group no. 1, "12345", no. 2, "67890" and no. 4 - all the odd numbers - "13579".

19-Aug-11, 5,731 kHz, "315" and "456 456 15 15", same as on the 5<sup>th</sup>. Good signal, no defects on the audio.

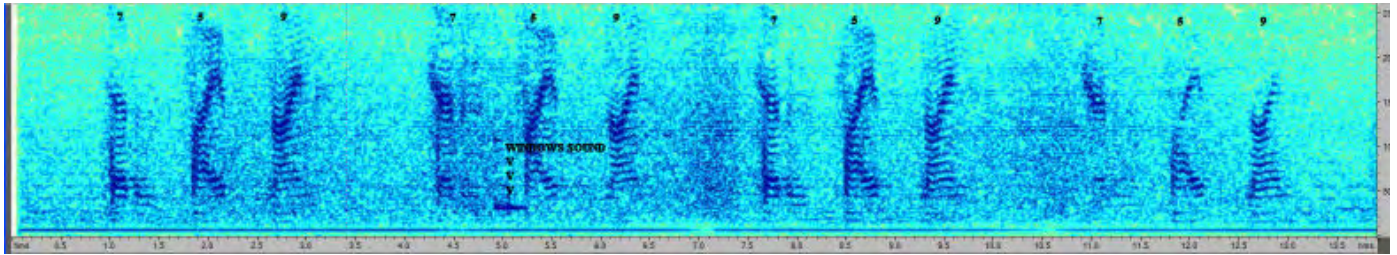
Onto other's logs across entire schedules, month order.

#### E06 [1A]

#### **July:**

4516kHz2020z	13/07[829 00000(s)] Strong	Hans	WED
5731kHz2130z	08/07[315 289 15 13398 ..... 76153 289 15 00000(s)] 2138z Strong QRN2 QSB2	Spectre,HJH, PLdn	FRI
	315 289 15 13398 04821 47382 47646 37246 38194 03826 71143 28276 94381 28832 94771 36524 90388 76153 289 15 00000		
	Courtesy Spectre		
2130z	22/07[315 289 15 13398 ..... 76153 289 15 00000(s)] 2138z Fair QRN2 QSB2	Spectre, D	FRI
5948kHz 2030z	07/07[724 Difficult to read due to BCQRM4] Fair BCQRM4	Spectre	THU
2030z	21/07[724 358 15 29842 ..... 21314 358 15 00000(s)] 2038z Fair BCQRM4	Spectre	THU

7844kHz0130z	02/07[759 682 30 22702 ... 20704 682 30 00000(f)] 0139z Strong	(9m26s)	PLdn, Hans	SAT
0130z	03/07[759 682 30 22702 ... 20704 682 30 00000(f)] 0139z Fair	(9m26s)	Spectre, PLdn	SUN
	759 682 30 22702 62511 34451 30224 72485 40932 94680 75006 29701 69216 25546 68665 55107 84045 49900 97608 16457 77762 72386 74780 02081 85073 06757 44981 91226 53459 21635 82465 85811 20704 682 30 00000 <i>Courtest Spectre</i>			
0130z	09/07[759 804 31 77495 ... 54027 804 31 00000(f)] 0140z Very strong	(9m33s)	PLdn, Spectre	SAT
	759 804 31 77495 90124 05048 17374 86735 93026 51017 44283 05316 99731 21821 25985 58777 24539 96925 74732 57986 44702 52232 93143 06623 06630 34794 66570 56816 72801 41164 73545 55112 20344 54027 804 31 00000 <i>Courtest Spectre</i>			
0130z	10/07[759 804 31 77495 ... 54027 804 31 00000(f)] 0140z Fair with background QRM3	(9m33s)	DanAr, PLdn	SUN
0130z	16/07[759 168 30 68140 .... 26066 168 30 00000(f)] 0139z Weak QRN3 QSB2		Spectre	SAT
0130z	17/07[759 804 31 77495 ... 54027 804 31 00000(f)] 0140z Fair, QRM2	(9m20s)	Spectre, DanAr, RR	SUN
0130z	23/07[759 206 31 42355 ... 22231 206 31 00000(f)] Strong, DATAQRM2	(9m56s)	Spectre, PLdn	SAT
0130z	24/07[759 206 31 42355 ... 22231 206 31 00000(f)] Very strong	(9m36s)	PLdn	SUN
0130z	30/07[759 841 32 79160 ... 61111 841 32 00000(f)] Strong	(9m45s)	PLdn, RR, Spectre	SAT
0130z	31/07[759 841 32 79160 ... 61111 841 32 00000(f)] Very strong	(9m45s)	DanAr, Spectre	SUN
8083kHz1120z	17/07[829 00000(s)] 1124z Very strong		Danix, Spectre	SUN
9061kHz0030z	02/07[759 682 30 22702 ... 20704 682 30 00000(f)] 0039z Fair with background	(9m26s)	PLdn, Hans	SAT
0030z	03/07[759 682 30 22702 ... 20704 682 30 00000(f)] 0039z Strong	(9m26s)	Spectre, PLdn	SUN
0030z	09/07[Heard call only due to weak signal] 0039z Very weak QRN2 QSB4		Spectre	SAT
0030z	16/07[759 168 30 68140 51707 .... 26066] 0039z (Some windows-sounds heard around 0013z). Strong		Hans, Spectre	SAT
0030z	17/07[759 168 30 68140 ... 26066 168 30 00000(f)] 0040z Weak QRM2	(9m20s)	PLdn	SUN
0030z	23/07[759 206 31 42355 ... 22231 206 31 00000(f)] 0039z Fair Windows sound heard during the call QSB2		Spectre	SAT
	759 206 31 42355 24774 42930 14579 13946 75406 06439 67132 69705 97836 95623 64162 32372 57078 58306 72433 14344 82181 23122 60369 35213 32044 31072 55075 15277 42404 79804 00407 22480 88959 22231 206 31 00000 <i>Courtesy Spectre</i>			



Not very clear, spectrogram from Spectre's recording illustrates Windows sound heard by him aby 50s into sending 9061kHz 0030z 24/07

0030z	24/07[759 206 31 42355 ... 22231 206 31 00000(f)] Fair, Plasma QRM3	(9m36s)	Spectre, PLdn	SUN
0030z	30/07[759 841 32 79160 ... 61111 841 32 00000(f)] Strong	(9m45s)	HJH, PLdn, RR	SAT
0030z	31/07[759 841 32 79160 ... 61111 841 32 00000(f)] Very strong	(9m45s)	Spectre PLdn, Spectre	SUN
	9061/7844kHz 30 & 31/07 Transcript: 759 841 32 79160 09061 69976 79204 11514 43472 78209 65988 97260 50001 93075 17737 74619 87579 23470 25083 02582 55344 60945 00168 88716 00392 62259 08089 40115 41263 10510 91396 79670 18080 09612 61111 841 32 00000 <i>Courtesy Spectre</i>			

**August:**

5731kHz2130z	05/08[315 456 15 12345 67890 ... 01925 456 456 15 15 0 0 0 0]		AR	FRI
	315 456 15 12345 67890 08642 13579 41962 50431 84263 19083 54712 70184 21543 58987 52431 84756 01925 456 15 0 0 0 0(s) <i>Courtesy Alex</i>			
5731kHz2031z	05/08[1234567890] 2032z Strong QRN2 QSB2		Spectre	FRI
5731kHz 2130z	05/08[315 456 15 12345 ... 01925 456 15 00000(s)] 2138z Strong QRN2 QSB2		Spectre	FRI
	315 456 15 12345 67890 08642 13579 41962 50431 84263 19083 54712 70184 21543 56987 52431 84756 01925 456 15 00000 <i>Courtesy Spectre</i>			
5731kHz 2130z	19/08[315 456 15 12345 67890 08642 13579 41962 50431 84263 19083 54712 70184 21543 56987 52431 84756 01925 456 15 00000(s)] 2137z Very strong Prt Msg 05/08 QSB2 QRM2		Danix, PLdn	FRI

5948kHz2030z 04/08[caught IP] 2036z Fair BCQRM3 Spectre THU  
Note call lasted around 1 minute before message was sent, I am sure I heard the 315 call instead of the 724 call. But I could be wrong.  
It appears that the message was sent a few minutes early, because I was monitoring the station at 2030z. This is the main reason why  
I missed 4 groups, however I could hear the station very clearly.

315 456 15  
\*\*\*\*\*  
21543 56987 52431 84756 01925  
456 15 00000  
*Courtesy Spectre*

6953kHz0130z 06/08[759 624 31 ... 57001 624 31 00000(f)] 0139z Fair QRN2 QSB2 Spectre, PLdn SAT  
0130z 07/08[759 624 31 ... 57001 624 31 00000(f)] 0139z Weak QRN2 QSB2 Spectre SUN  
0130z 13/08[759 810 34 61752 ... 26634 810 34 00000(f) ] Strong, LocalQRM2 (10m06s) PLdn SAT  
0130z 14/08[759 810 34 61752 ... 26634 810 34 00000(f) ] Strong (10m06s) Vig, Spectre SUN  
0130z 20/08[759 426 31 89481 ... 80731 426 31 00000(f)] 0140z Very strong, PLASMAQRM2 (9m37s) PLdn, Spectre SAT  
0130z 21/08[759 426 31 89481 ... 80731 426 31 00000(f)] 0140z Very weak (9m37s) PLdn,Spectre SUN  
0130z 27/08[759 648 32 79676 ... 43188 648 32 00000(f)] 0040z Weak (9m46s) PLdn, Spectre SAT  
0130z 28/08[759 648 32 79676 ... 43188 648 32 00000(f)] 0040z Strong (9m46s) PLdn,Spectre SUN

7981kHz 0030z 06/08[759 624 31 ... 57001 624 31 00000(f)] 0039z Fair QRN2 QSB2 Spectre, PLdn SAT  
0030z 07/08[759 624 31 ... 57001 624 31 00000(f)] 0039z Fair QRN2 QSB2 Spectre SUN

7981/6953kHz 0030/0130z 06/08 Transcript:  
759 624 31  
09704 05180 11332 08533 64669 10562 63968 65090 38054 49126  
08247 10092 12631 27582 16953 78626 94682 06516 13892 69092  
48052 39398 12677 55887 51340 27312 34135 95160 20432 00347  
57001  
624 31 00000  
*Courtesy Spectre*

0030z 13/08[759 810 34 61752 ... 26634 810 34 00000(f) ] Strong (10m05s) Hans, PLdn, Spec tre SAT

7981/6953kHz 0030/0130z 13/08 Transcript:  
759 810 34  
61752 73003 40029 83325 37274 02372 69788 67335 36407 08588  
29307 85526 22456 74751 41962 69223 99186 30404 84054 17869  
28541 83874 65268 95092 79709 11359 92824 43225 70477 07425  
42764 33467 86802 26634  
810 34 00000  
*Courtesy Spectre*

0030z 14/08[759 810 34 61752 ... 26634 810 34 00000(f) ] Strong, QRM2 (10m06s) PLdn, Vig SUN  
0030z 20/08[759 426 31 89481 58558 ... 00898 80731 426 31 00000] DanAr, Spectre SAT

7981/6953kHz 0030/0130z 20/08 Transcript:  
759 426 31  
89481 58558 45627 84473 73494 98850 77743 45301 48792 97503  
08135 79444 65949 17345 77156 47028 11105 61689 38535 34299  
60523 45812 73624 30479 85974 81158 90415 11415 79067 00898  
80731  
426 31 00000  
*Courtesy Spectre*

0030z 21/08[759 426 31 89481 ... 80731 426 31 00000(f)] 0040z Strong  
at start, then into mush; tx probs? (9m37s) PLdn, Spectre SUN

0030z 27/08[759 648 32 79676 ... 43188 648 32 00000(f)] 0040z Weak Danix, Spectre SAT

759  
648 32  
79676 24725 80010 19476 .1064 20837 55955 23688 02385 17633  
35736 25730 48878 34556 57760 98564 05043 67407 42602 27951  
89092 29399 42045 76394 06501 87626 65173 32362 89818 30884  
61205 43188  
648 32  
00000  
*Courtesy Danix*

0030z 28/08[759 648 32 79676 ... 43188 648 32 00000(f)] 0040z Fair (9m46s) PLdn, Spectre SUN

13930kHz0500z 04/08[210 0000] Weak Hans THU  
0500z 19/08[210 583 127 57830 ... 12299 583 127 00000(f)] 0525z HFD FRI

15890kHz0600z 18/08[210 583 127 57830 25879 77588 ... 30828 02824 12299 583 127 00000(f)] 0625z Strong QSB3 Danix, HFD THU

210 583 127  
57830 25879 77588 99374 67511 35761 76429 49855 37275 46705  
67723 57918 60181 31420 70060 04879 99246 04400 69595 46679  
97624 50128 28849 37861 60662 94658 88257 20612 30448 90032  
22820 43073 23218 27940 54586 89027 98134 74252 68314 32487  
52962 03873 56878 58502 42496 21909 70754 64085 88636 70584  
42157 24449 32851 21037 38757 68221 58474 02556 87429 37772  
39742 56737 68523 02175 95032 15460 92090 44580 11438 47230  
68124 14804 09321 27429 70875 22196 67399 69309 30836 41804  
31082 75007 40751 73129 81691 70589 49710 47975 07683 37785  
48479 79936 37659 39852 50118 49338 49653 60585 28732 66432  
75269 42828 56789 22109 96280 76719 58124 63621 40999 33568  
34774 40993 56332 36246 88361 04754 88286 08467 66838 34281  
18503 22793 80096 20101 30828 02824 12299  
583 127 00000  
*Courtesy Danix*

Note 103rd group, 56789.

**E07 [1B]**

We start with PoSW's logs and then onto others:

Sunday + Wednesday Schedule:-

3-July-11, Sunday:- 1700 UTC, 13,468 kHz, "441 441 441 1", DK/GC "833 42" x 2. Good signal with reasonable audio.  
1720 UTC, 11,454 kHz, second sending.  
1740 UTC, 10,126 kHz, third sending, strongest of the three. Same frequencies as in July of past years.

13-July-11, Wednesday:- 1700 UTC, 13,468 kHz, "441 441 441 1", DK/GC "718 62" x 2. Strong signal with good audio.  
1720 UTC, 11,454 kHz, second sending, strong "XJT" on close frequency.  
1740 UTC, 10,126 kHz, third sending, close to CW stations in 30 metre amateur band.

17-July-11, Sunday:- 1700 UTC, 13,468 kHz, "441 441 441 1", DK/GC "631 79" x 2.  
1720 UTC, 11,454 kHz and 1740 UTC, 10,126 kHz, repeats.

31-July-11, Sunday:- 1700 UTC, 13,468 kHz, "441 441 441 000", strong signal with good audio.  
1720 UTC, 11,454 kHz, second sending with "XJT".

7-Aug-11, Sunday:- 1700 UTC, 13,388 kHz, "305 305 305 000", strong signal with good audio.  
1720 UTC, 12,088 kHz, second sending, also a good signal.

21-Aug-11, Sunday:- 1700 UTC, 13,388 kHz and 1720 UTC, 12,088 kHz, "305 305 305 00000", both transmissions S9+ signals with good audio.

Monday + Wednesday Schedule:-

4-July-11, Monday:- 1900 UTC, 14,812 kHz, "845 845 845 1", DK/GC "604 30" x 2. Strong signal with excellent audio. That's the way to do it, Ivan!  
1920 UTC, 13,412 kHz, second sending, also good signal in all regards.  
1940 UTC, 11,512 kHz, and another good transmission.

13-July-11, Wednesday:- 1900 UTC, 14,812 kHz:- "845 845 845 000", strong signal, good audio.  
1920 UTC, 13,412 kHz, second sending, good signal over-riding an "XJT".

10-Aug-11, Wednesday:- 1900 UTC, 14,378 kHz, "349 349 349 1", DK/GC "613 29" x 2. Strong signal, good audio, over-riding a weak "XJT".  
1920 UTC, 13,458 kHz, sending sending, somewhat weaker signal.  
1943 UTC, 10,958 kHz, third sending in progress, back up to S9+

15-Aug-11, Monday:- 1920 UTC, 13,458 kHz, "349 349 349 000".

17-Aug-11, Wednesday:- 1900 UTC, 14,378 kHz, "349 349 349 000", strong signal with good audio over-riding weaker "XJT".

Thursday Schedule:-

14-July-11:- 2010 UTC, 11,539 kHz, "553 553 553 000", over-riding strong "XJT" on close frequency and side band splash from a broadcast station.  
2030 UTC, 10,547 kHz, second sending, strong signal with good audio.

21-July-11:- 2010 UTC, 11,539 kHz, "539 539 539 000", difficult copy due to "XJT" and adjacent BC station.

11-Aug-11:- 2010 UTC, 10,753 kHz, "716 716 716 1", DK/GC "481 79" x 2, strong signal with good audio.  
2038 UTC, 9,147 kHz, second sending in progress, missed start on the half hour, S9 signal.  
2050 UTC, 7,637 kHz, third sending, S9+ with good audio.

18-Aug-11:- 2010 UTC, 10,753 kHz, "716" and "481 79", as last week. Repeats 2030 UTC, 9,147 kHz and 2050 UTC, 7,637 kHz.

Wednesday E07a SSB Schedule:-

6-July-11:- 2000 UTC, 8,173 kHz, "147 147 147 000", very strong S9+ SSB signal.  
2020 UTC, 7,473 kHz, second sending.

13-July-11:- 2000 UTC, 8,173 kHz, "147 147 147 1 11006" - always a 5F group in the call-up with this one! DK/GC "451 71" x 2.  
2020 UTC, 7,473 kHz, second sending, over-riding broadcaster on close frequency.  
2040 UTC, 5,773 kHz, third sending, strong SSB signal.

27-July-11:- 2000 UTC, 8,173 kHz, "147 147 147 1 33329", DK/GC "689 63" x 2. S9+ signal.  
2020 UTC, 7,473 kHz, second sending, over-riding broadcast station.  
2040 UTC, 5,773 kHz, third sending, weakest signal of the three.

17-Aug-11:- 2000 UTC, 8,173 kHz, "147 147 147 1 33329", DK/GC "689 63" x 2. Looks like the same message heard in July.  
2020 UTC, 7,473 kHz and 2040 UTC, 5,773 kHz, repeats, all three transmissions strong SSB signals.

Other's logs:

**July:**

8127kHz0700z	07/07[131x3 000]	GD	THU
0700z	12/07[131 131 131 000]	FN	TUE
0700z	14/07[131 131 131 000]	FN, Spectre	THU
9327kHz 0720z	12/07[131 131 131 000]	FN	TUE
0720z	14/07[131 131 131 000]	FN, Spectre	THU
10126kHz1740z	03/07[441 1 833 42...] 1748z Very strong, bouncing a lot,QSB2	(6m 49s) Danix, Spectre	SUN
1740z	13/07[441 1 718 62 23281]	FN	WED

10547kHz	2030z	07/07[553 553 553 000] 2032z Fair QRN2 QSB2		Spectre	THU
	2030z	14/07[553 553 553 000] 2032z Fair QRN2		Spectre	THU
	2030z	28/07[553 000] 2032z Very strong		Danix, Spectre	THU
11454kHz	1720z	03/07[441 1 833 42... (still too low to copy)] 1728z Very strong, low audio, bouncing a lot, QSB3	(9m 48s)	Danix, Spectre	SUN
		441 441 441 1 833 42 833 42 69195 63486 05879 28716 75268 44751 14669 03050 26441 16119 71034 69267 52525 97298 79113 60891 84565 36281 46021 84609 57113 78470 00555 51966 09002 72839 46688 61890 91098 62692 92301 57059 31625 62687 12082 05219 70731 06377 04851 53293 04936 84527 000 000			
				<i>Courtesy Danix</i>	
	1720z	13/07[441 1 718 62 23281]		FN	WED
	1720z	17/07[441 1 631 79 75680 ... 72292 000 000] 1730z Very strong QSB3 DRMQRM3		Danix, Spectre	SUN
	1720z	30/07[441 441 441 000] 1722z Weak QRN3		Spectre	SUN
11512kHz	1940z	04/07[845 1 604 30 26561 ... 49226 000 000] 1945z Fair QRN3 QSB3		Spectre	MON
	1940z	06/07[845 1 604 30 26561 ... 49226 000 000] 1945z Very strong QSB3		Danix, Spectre	WED
11539kHz	2010z	07/07 [Difficult to read due to STANAG QRM5] 2012z Fair STANAG QRM5		Spectre	THU
	2010z	28/07[553 553 553 000] 2012z Fair QRN3 QSB2		Spectre	THU
13412kHz	1920z	04/07[845 1 604 30 26561 ... 49226 000 000] 1925z Fair BCQRM4		Spectre	MON
	1920z	06/07[845 1 604 30 26561 ... 49226 000 000] 1925z Fair QRN3 QSB4		Danix, Spectre	WED
	1920z	11/07[845 845 845 000]		FN, Spectre	MON
	1920z	13/07[hardly audible, QRM dig. station]		FN	WED
	1920z	18/07[845 845 845 000] 1922z Weak QRN2 QSB3		Spectre	MON
	1920z	25/07[845 845 845 000] 1924z Fair QRN2 QSB2		Spectre	MON
	1920z	27/07[845 845 845 000] 1922z Fair STANAGQRM3		Spectre	WED
13468kHz	1700z	03/07[441 1 833 42 69195 ..... 84527 000 000] 1707z Fair weak audio QRN2		Spectre	SUN
	1700z	06/07[441 1 833 42 n9195 ... 84n87 000 000] 1707z Weak and noisy audio, variable strength carrier	(6m45s)	PLdn	WED
	1700z	10/07[441 441 441 1 718 62 23281 ... 25942 000 000] Strong		AE	SUN
	1700z	13/07[441 1 718 62 23281]		FN	WED
	1700z	17/07[441 1 631 79 75680 ... 72292 000 000] 1714z Strong/Very strong QSB2/3, Technical problems		Danix, Spectre	SUN
		441 441 441 1 631 79 631 79 75680 37600 72912 58878 88232 91694 32087 92251 67879 66515 02484 97870 81491 87766 67393 44522 41408 74389 89642 60960 84517 0006? 75671 55354 39619 47087 15829 63665 72829 85299 22386 43561 323... BEEP 441 441 441 1 (x4) 39619 47087 15829 63665 72829 85299 22386 43561 32386 25190 59356 31207 97432 81401 28742 02303 84915 27895 06237 76662 53203 52164 80296 49862 35442 59288 11930 97717 73344 34412 05168 52217 86036 95938 41556 28620 78936 62698 93093 11361 13118 25600 05586 55890 13544 47166 53397 34294 13120 11628 95511 76012 54289 96494 72292 000 000		<i>Courtesy Danix</i>	
	1702z	24/07[441.....] Msg under QRE		D	SUN
	1700z	31/07[441 000] 1702z Strong	(2m13s)	PLdn, Spectre	SUN
14812kHz	1900z	04/07[845 1 604 30 26561 ... 49226 000 000] 1905z Fair QRN2 QSB2		Spectre, GD	MON
	1900z	06/07[845 1 604 30 26561 ... 49226 000 000] 1905z Strong QSB4 Bad modulation		Danix	WED
		845 845 845 1 604 30 604 30 26561 49697 31254 40456 15282 16550 05586 58269 62083 48585 25890 65974 50283 11718 70331 99024 87200 88654 25885 09862 71022 85841 40581 73357 62561 17842 26999 74758 17001 49226 000 000		<i>Courtesy Danix</i>	
	1900z		11/07[845 845 845 000]	FN, Spectre	MON
	1900z		13/07[845 845 845 000]	FN	WED
	1900z	18/07[845 845 845 000] 1902z Very weak QRN2 QSB3		Spectre	MON
	1900z	25/07[845 845 845 000] 1902z Fair QRN2		Spectre	MON
	1900z	27/07[845 845 845 000] 1902z Fair QRN2 QSB2		Spectre	WED
<b>August:</b>					
6941kHz	0700z	09/08[902 902 902 000]		FN	TUE
	0700z	11/08[902 902 902 000]		FN	THU
	0700z	18/08[902 000] hardly audible		HFD	THU
7473kHz	2020z	10/08[147 147 147 000]		FN	WED
7637kHz	2050z	11/08[716 1 481 79 49214 ... 67463 000] 2100z Fair QRN2 QSB3		Spectre	THU
		716 1 481 79 49214 89538 75213 74944 39873 90481 01189 12116 12131 13122 58339 59244 64373 49696 64361 36359 52692 70405 61193 44427 91624 63719 71400 26813 47946 41056 20967 22787 82188 69611 15572 84759 22347 63468 80936 00197 60190 33576 35320 65656 27206 36208 48532 92414 68144 11072 76127 03310 43994 89211 16853 14936 59324 16486 09940 77714 90735 25264 39140 53637 90346 02353 47049 00535 78849 56073 49958 71122 85814 75515 32945 76959 46162 94462 13278 69350 32450 15018 67463 000 000		<i>Courtesy Spectre</i>	
	2050z		18/08[716 1 481 79 49214 ... 67463 000 000] 2100z Weak QRN3		



QSB2	Spectre	THU		
8041kHz0720z	09/08[902 902 902 000]		FN	TUE
0720z	11/08[902 902 902 000]		FN	THU
0720z	18/08[902 000]blocked by RN Fax		HFD	THU
9147kHz2030z	04/08[716 716 716 000] 2032z Fair QRN2 QSB2		Spectre	THU
2030z	11/08[716 1 481 79 49214 ... 67463 000] 2040z Fair QRN2 QSB3		Spectre	THU
2030z	18/08[716 1 481 79 49214 ... 67463 000 000] 2040z Weak QRN2 QSB2		Spectre, H-FD	THU
10752kHz2010z	04/08[716 716 716 000] 2012z Fair QRN2 QSB2		Spectre	THU
10753kHz2010z	18/07[716 1 481 79 49214 89538 75213 ... 38450 15018 67463 000 000] 2020z Very strong QSB2		Danix, HFD, Spectre	THU
	716 716 716 1 481 79 481 79 49214 89538 75213 74944 39873 90481 01189 12616 12181 13122 58339 59244 64373 49696 64361 36359 52692 70405 61193 44427 91624 63719 71400 26813 47946 41057 20967 26787 82188 69611 15572 84659 22347 63468 80936 00197 60190 33576 35320 65656 62066 36208 48532 92414 68144 11072 76127 03310 43994 89211 16853 14936 59624 16486 09940 77714 90735 25264 39140 53637 69034 02353 47049 00535 75849 56073 49958 71122 85814 75515 32945 76959 46162 94462 13278 69350 38450 15018 67463 000 000 <i>Courtesy Danix</i>			
10958kHz1940z	08/08[349 1 613 29 16664 39131]		FN, GD	MON
1940z	10/08[349 1 613 29 16664 39131 000 000] Strong		PLdn, FN, Spectre	WED
12088kHz1720z	03/08[305 000] 1722z Fair		(2m13s) PLdn	WED
1720z	07/08[305 305 305 000] 1722z Weak BCQRM2 QSB2		Spectre, PLdn	SUN
1720z	10/08[305 000]Strong		(2m13s) PLdn, FN	WED
1720z	14/08[305 000]Fair audio		(2m13s) PLdn, FN	SUN
1720z	17/08[305 000] Strong		(2m13s) PLdn	WED
1720z	21/08[305 000]Weak		(2m13s) PLdn	SUN
1720z	24/08[305 000]Strong, QRM3		(2m13s) PLdn	WED
1720z	28/08[305 000] +20 Low audio on USB side		Mndbs	SUN
1720z	31/08[305 000]Strong		(2m13s) PLdn	WED
13388kHz1700z	07/08[305 305 305 000] 1702z Weak QRN2 QSB2		Spectre, PLdn	SUN
1700z	10/08[305 000]Very weak		(2m13s) PLdn, FN	WED
1700z	14/08[305 000]Strong carrier only		(2m13s) PLdn	SUN
1700z	21/08[305 000]Fair, PLTQRM3		(2m13s) PLdn	SUN
1700z	24/08[305 000]Strong, carrier remained up until 1703z		(2m13s) PLdn, GN	WED
1700z	28/08[305 000] S9 AM mode fair audio		Mndbs, PLdn	SUN
13458kHz1920z	08/08[349 1 613 29 16664 39131]		FN, GD	MON
1920z	10/08[349 1 613 29 16664 39131000 000] QRM4, odd character		PLdn, FN, Spectre	WED
1920z	17/08[349 000] Fair, QRM3		(2m13s) Spectre, PLdn	WED
1920z	22/08[349 000] Strong		(2m13s) Gert, PLdn	MON
1920z	29/08[349 000] Fair		(2m13s) Spectre, PLdn	MON
1920z	31/08[349 349 349 000] 1922z Fair QRN3 QSB3		Spectre	WED
14378kHz1900z	08/08[349 1 613 29 16664 39131]		FN, GD	MON
1900z	10/08[349 1 613 29 16664 39131000 000] Fair, XJTQRM3		PLdn, FN,Spectre	WED
	14378/13458/10958kHz 1900/1920/1940 10/08 Transcript: 346 1 613 29 16664 39131 82734 94983 82066 84855 37771 59737 06364 98075 59870 26574 46653 11072 04626 82009 84434 39775 80654 61465 44272 96356 29414 90907 81782 68612 31683 11777 31930 000 000 <i>Courtesy Spectre</i>			
1900z	15/08[349 000] Weak, QRM2/3		(2m13s) PLdn	MON
1900z	17/08[349 000] Strong (over XJT)		(2m13s) PLdn, Spectre	WED
1900z	22/08[349 000] Strong (over XJT)		(2m13s) Gert, PLdn	MON
1900z	29/08[349 000] Fair		(2m13s) PLdn	MON
1900z	31/08[349 000] Fair		(2m13s) Spectre, PLdn	WED
<b>E07a</b>				
<b>July:</b>				
5773kHz 2040z	13/07 [147 1 11006 451 71 98636 ..... 48029 000 000] 2048z Fair QRN3		Spectre	WED
2040z	27/07 [147 1 33329 689 63 62624 ... 28467 000 000] Strong		(7m42s) PLdn, Spectre	WED
7437kHz 0430z	14/07[411 1 11006 451 71 98636 ... 48029] 0458z Fair		(8m22s) PLdn, Spectre	THU
0430z	21/07[411 000] Very strong		(2m13s) PLdn	THU
0430z	28/07[411 1 33329 689 63 62624 ... 28467 000 000] Fair		(7m42s) PLdn	WED
7473kHz2020z	06/07[147 000] Very strong, BCHETQRM2		(2m13s) PLdn, Spectre	WED
2020z	13/07[674 893 5 14514 63204 42369 32684 23446]		FN, Spectre	WED
2020z	20/07[147 000] Very strong, BCHETQRM2		(2m13s) PLdn	WED
2020z	27/07[147 1 33329 689 63 62624 ... 28467 000 000] Strong, BCQRM3		(7m42s) PLdn, Spectre	WED

8137kHz 0450z	14/07[411 1 11006 451 71 98636 51931 .... 48029] 0508z Strong		Hans, Spectre	THU
0450z	21/07[411 000] Strong	(2m13s)	PLdn	THU
0450z	28/07 [411 1 33329 689 63 62624 ... 28467 000 000] Strong	(7m42s)	PLdn	WED
8173kHz2000z	06/07[147 000] Very strong	(2m13s)	PLdn, Danix	WED
2000z	13/07[674 893 5 14514 63204 42369 32684 23446]		FN, PLdn	WED
2000z	20/07[147 000] Very strong	(2m13s)	PLdn	WED
2000z	27/07[147 1 33329 689 63 62624 ... 28461 000 000] 2007z Very strong		Danix, Spectre	WED
	147 147 147 1 33329 689 63 689 63 62624 32783 21814 05484 49766 81685 59560 04038 21778 84999 86558 69389 34792 02472 60681 45784 48839 78826 30493 65129 76979 30969 82695 19909 33637 37388 21988 35072 39663 15345 86377 52213 30483 46032 81513 27898 83282 29925 88870 43233 55627 35326 62514 77206 59923 91256 87951 31318 57812 99082 47003 67416 55941 50057 82735 75538 41694 72585 60054 22444 92195 00000 28461 000 000			
	<i>Courtesy Danix &amp; Spectre</i>			
9137kHz 0510z	14/07[411 1 11006 451 71 98636 ... 48029] 0458z Fair	(8m22s)	PLdn	THU
<b>August:</b>				
5773kHz 2040z	17/08[147 1 33329 689 63 62624 ... 28461 000 000] Very strong	(7m45s)	PLdn	WED
	Note penultimate group ..92195 00000 28641 000 000 for this message across schedule			
2040z	24/08[147 1 32027 576 55 94543 ... 70464 000 000 ] Strong	(7m06s)	PLdn	WED
7437kHz0430z	04/08[411 000] Strong	(2m13s)	PLdn	THU
0430z	11/08[411 000] Strong	(2m13s)	PLdn	THU
0430z	18/08[411 1 33329 689 63 62624 ... 28461 000 000] Strong	(7m45s)	PLdn, HFD	THU
0430z	25/08[411 1 32027 576 55 94543 ... 70464 000 000 ]Very strong	(7m06s)	PLdn	THU
7473kHz2020z	03/08[147 000] Very strong, BCQRM3	(2m13s)	PLdn, Spectre	WED
2020z	10/08[147 000] Very strong, BCQRM3	(2m13s)	Spectre, PLdn	WED
2020z	17/08[147 1 33329 689 63 62624 ... 28461 000 000] Strong, BCQRM3	(7m45s)	PLdn, Spectre	WED
2020z	24/08[147 1 32027 576 55 94543 ... 70464 000 000] Strong, BCQRM3	(7m06s)	Spectre, PLdn	WED
2020z	31/08[147 000]Very strong, BCQRM2	(2m13s)	PLdn, Spectre	WED
8137kHz0450z	04/08[411 000] Strong	(2m13s)	PLdn, Hans	THU
0450z	11/08[411 000] Strong	(2m13s)	PLdn	THU
0450z	18/08[411 1 33329 689 63 62624 ... 28461 000 000] Strong	(7m45s)	PLdn, HFD	THU
0450z	25/08[411 1 32027 576 55 94543 ... 70464 000 000 ]Very strong	(7m06s)	PLdn	THU
8173kHz2000z	03/08[147 000] Very strong	(2m13s)	PLdn, Spectre	WED
2000z	10/08[147 000] Very strong	(2m13s)	Spectre, PLdn	WED
2000z	17/08[147 1 33329 689 63 62624 ... 28461 000 000] Strong	(7m45s)	PLdn, Spectre	WED
	E07a 8173/7473kHz 2000/2020z 17/08 Transcript:			
	147 1 33329 689 63 62624 32783 21814 05484 49766 81685 59560 04038 21778 84999 86558 69389 34792 02472 60681 45784 48839 78826 30493 65129 76979 30969 82695 19909 33637 37388 21988 35072 39663 15345 86377 52213 30483 46032 81513 27898 83282 29925 88870 43233 55627 35326 62514 77206 59923 91256 87951 31318 57812 99082 47003 67416 55941 50057 82735 75538 41694 72585 60054 22444 92195 00000 28461 000 000			
	<i>Courtesy Spectre</i>			
2000z	24/08[147 1 32027 576 55 94543 ... 70464 000 000 ]Very strong	(7m06s)	Danix, Spectre	WED
	147 147 147 1 32027 576 55 576 55 94543 58925 96745 68624 96951 79160 54599 32493 74334 37820 97300 65576 46002 37200 48347 43680 36113 85847 13786 17743 02350 74253 49291 71867 45447 82032 49125 62524 20783 87728 60572 39247 09698 49204 62003 25088 85552 43770 39244 09506 83477 01173 17868 81869 24662 67836 63498 91105 54395 83168 09864 46908 59628 64597 70464 000 000			
	<i>Courtesy Danix</i>			
2000z	31/08[147 000]Excellently strong, +60dBs. Obliterated XJT 20dBs already on freq	(2m13s)	PLdn Spectre	WED
9137kHz 0510z	18/08[411 1 33329 689 63 62624 ... 28461 000 000] Fair	(7m45s)	PLdn	THU
	Note penultimate group ..92195 00000 28641 000 000 for this message across schedule			
0510z	25/08[411 1 32027 576 55 94543 ... 70464 000 000 ]Strong	(7m06s)	Danix, PLdn	THU

RNGB's E07/E07a logs for both months:

**E07 log July/August:**

Monday	11/07	19.00	14812	'845' 000
Tuesday	12/07	07.00	8127	'131' 000
Weds	13/07	17.00	13468	'441' 1 718 62 23281 86223 ....
Tuesday	19/07	07.00	8127	'131' 000
Weds	20/07	17.40	10126	'441' 1 631 79 75680 37600 72912 58878
		19.00	14812	'845' 000
Weds	03/08	17.00	13388	'305' 000
Thursday	04/08	07.00	6941	'902' 000
Monday	08/08	19.00	14378	'349' 1 613 29 16664 39131 82734 94983.....
		19.20	13458	'349' 1 613 29 16664 39131 82734 94983.....
Weds	10/08	19.40	10958	'349' 1 613 29 16664 39131 82734 94983.....
Monday	15/08	19.00	14378	'349' 000
Thursday	18/08	20.30	9147	'716' 1 481 79 49214 89538 75213 74944
Monday	22/08	19.20	13458	'349' 000
Thursday	25/08	07.20	8041	'902' 000
		20.10	10753	'716' 000

**E07a log July/August:**

Weds	13/07	20.20	7473	'147' 1 11006 451 71 98636 51931 10364 79122.....48029
Thursday	18/08	04.50	8137	'411' 1 33329 689 63 62624 32783 21814 05484 49766..... 92915 00000 18461
Thursday	25/08	05.10	9137	'411' 1 33329 576 55 94543 58925 57645.....70464

**E11(III)**

**July/August log:**

3815kHz	1050z	18/07 [127/00]		Danix	MON
	1050z	15/08 [127/00] Out 1053z Very strong		Danix	MON
4909kHz	1445z	16/07 [287/00] V.weak		Hans	SAT
	0900z	30/07 [248/00] 0903z Strong		Danix	SAT
	1445z	30/07 [287/00] 1448z Very strong with loud hum in the background		Danix	SAT
	0900z	06/08 [248/00] Weak		RNGB	SAT
	0900z	25/08 [248/00]		Danix	THU
	0900z	27/08 [248/00] Weak/Medium		Fox	SAT
6252kHz	1240z	09/08 [349/00]		Danix	TUE
	1240z	16/08 [349/00] Weak		Hans	TUE
	1240z	30/08 [349/00] 1243z Weak QRN3 QSB2		Spectre	TUE
6280kHz	0820z	19/07 [438/00]		RNGB	TUE
	0820z	21/07 [438/00] Fair		RNGB	THU
	0820z	04/08 [438/00] Fair		Hans	THU
	0820z	16/08 [438/00]		Danix	TUE
	0820z	23/08 [438/00] Weak		RNGB	TUE
	0820z	30/08 [438/00] Fair		RNGB	tue
8088kHz	1730z	21/07 [416/00] Good		RNGB	THU
9610kHz	1045z	20/07 [469/00] 1048z Fair QRN2 QSB2		Spectre	WED
	1045z	16/08 [469/00] 1048z Weak QRN2 QSB2		Spectre	TUE
	1045z	17/08 [469/00] 1048z Weak QRN2 QSB2		Spectre	WED
	1045z	23/08 [469/00]		RNGB	TUE
10210kHz	0930z	21/07 [270/00] Good		RNGB	THU
	0930z	20/07 [270/00] 0933z Fair QRN2		Spectre	WED
	0930z	03/08 [270/00]		RNGB	WED
	0930z	17/08 [270/00] Fair		RNGB, Hans,Spectre	WED
	0930z	24/08 [270/00]		RNGB	WED
	0930z	31/08 [270/00] Good		RNGB	WED
10800kHz	1730z	15/07 [576/00] Fair		Danix	FRI
	0450z	18/07 [416/00] fairly strong for 10800		Danix	MON
	1730z	05/08 [576/00] Good		RNGB	FRI
	1730z	19/08 [576/00] Good		RNGB	FRI
	0450z	22/08 [416/00]		Danix	MON
12924kHz	0830z	04/08 [649/00] Strong		Hans, Spectre	THU
	0830z	04/08 [649/00] 0833z Fair QRN2		Spectre	THU
	0830z	08/08 [649/00] Fair		RNGB	MON
	0830z	11/08 [649/00]		RNGB	THU
	0830z	29/08 [649/00]		RNGB	MON
13424kHz	0645z	19/07 [517/00] 0648z Weak QRN2 QSB2		Spectre	TUE
	0545z	20/07 [348/00] Fair		RNGB	WED
	0545z	22/07 [348/00] Weak		Hans	FRI
	0645z	02/08 [517/00] Weak		Hans	TUE
	0545z	05/08 [348/00] Weak		RNGB	FRI

13424kHz	0645z	09/08 [517/00]		RNGB	TUE
	0545z	10/08 [348/00]		RNGB	WED
	0545z	12/08 [348/00] Weak		Hans	THU
	0645z	23/08 [517/00] Weak		RNGB	TUE
	0645z	25/08 [517/00]		RNGB	THU
	0545z	26/08 [348/00] Weak		RNGB	FRI
13427kHz	0900z	20/07 [348/00] Mistaken ID ? Should be 534 !!		RNGB, Spectre	WED
	0900z	25/07 [348/00] 0903z Weak QRN2 QSB2		Spectre	MON
	0900z	03/08 [534/00] Fair		Hans , RNGB	WED
	0900z	08/08 [534/00] Fair		RNGB	MON
	0900z	15/08 [534/00] Fair		Hans, Spectre	MON
	0900z	17/08 [534/00] Strong		Hans	WED
	0900z	22/08 [534/00]		RNGB	MON
	0900z	24/08 [534/00]		RNGB	WED
14753kHz	0710z	19/07 [633/00]		RNGB	TUE
	0710z	09/08 [633/00] Fair	(3m20s)	RNGB	TUE
	0710z	16/08 [633/00] Weak		Hans	TUE
	0710z	19/08 [633/00]		RNGB	FRI
	0710z	23/08 [633/00] Fair		RNGB	TUE
16335kHz	1155z	24/08 [718/00] Good		RNGB, Danix	WED
	1540z	29/08 [228/00]		Danix	MON

**E11a July/August log:**

4909kHz	1445z	27/08 [266/34 97497 36242 79516 ????? ?????] Medium/Strong		Fox	SAT
6252kHz	1240z	17/07 [344/38 35250 49537 16811 67109 12915 ... 70842] Out 1250z Weak		Danix, Spectre	SUN
6280kHz	0820z	28/07 [431/32 A 98082 54804 35057 04612 72771..... 93888] 0830z Vstrong		Danix	THU
8088kHz	1730z	28/07 [415/31 74819 48454 73744 05168 77117.....33940] 1740z V strong		Danix	THU
10210kHz	0930z	28/07 [278/38 39778 26671 13899 22319 42404 .... 45525] 0940z Fair QSB3		Danix	THU
	0930z	10/08 [271/31 69711 58892 81716 07831 87395.....93393] Fair		RNGB	WED
10800kHz	0450z	08/08 [410/32 A 10800 74441 .... 04562] 0459z Fair		Hans	MON
	1730z	26/08 [575/35 A 46900 05232 21077 ... 11606 38886 86850]1740z Weak		Danix	FRI
12153kHz	1600z	21/07 [64?/20 90716 06962 51240 97752 14837.....54942] Fair with QSB		RNGB	THU
	1600z	08/08 [647/20 35480 59900 99672 75924 99215.....64969] Fair with QSB		RNGB	MON
	1600z	15/08 [643/20 77968 38676 94775 26117 92768.....86979] Good		RNGB	MON
	1600z	22/08 [643/20 09383 88869 30322 48710 88115.....67617] Good		RNGB	MON
	1600z	25/08 [643/24 04102 41706 83238 27033 78764.....36927]		RNGB	THU
	1600z	29/08 [641/20 48036 69097 17662 48779 36158.....94836] Good		RNGB	MON
12924kHz	0830z	18/07 [642/34 34692 .....] 0839z Weak QRN2 QSB4		Spectre	MON
	0830z	21/07 [640/32 95516 34692 13166 71936 44921....] end not noted		RNGB	THU
	0830z	22/08 [648/34 02513 76008 21372 92455 14596.....37837] Strong		RNGB	MON
13427kHz	0900z	13/07 [536/35 94068 10727 57879 19174 02887.....15164]		RNGB	WED
	0900z	29/08 [536/34 25638 21253 93969 62574 66718.....48597] Fair		RNGB	MON
	0900z	31/08 [536/34 25638 etc] repeat of Monday		RNGB	WED
14753kHz	0710z	15/07 [630/35 A 60469 79480 .... 93259] 0719z Weak/Fair QSB3		Hans	FRI
	0710z	02/08 [634/32 A 40660 57991 .... 22630] 0719z Weak/Fair		Hans	TUE
16335kHz	1155z	10/08 [710/33 11650 92181 51788 62123 23499.....63709] Fair		RNGB	WED
	1540z	15/08 [227/32 23792 08870 57715.....] QSB		RNGB	MON

**E17z**

**July:**

12850kHz	0810z	14/07[674 893 5 14514 63204 42369 32684 13446 893 5 0000(s)] 0805z Fair QRN3 QSB2		Spectre, FN	THU
	0810z	21/07[674 938 5 2?558 04867 94485 47565 55588 938 5 00000] YL pos mistakes Strong QRM		AE	THU
	0810z	28/07[674 938 5 33158 04867 94485 47561 51988 938 5 00000(s)] 0815z Very strong		Danix,Spectre	THU
16780kHz	0800z	14/07[674 893 5 14514 63204 42369 32684 13446 893 5 0000(s)] 0805z Fair QRN3 QSB2		Spectre, FN	THU
	0800z	Corrected: 674 938 5 23158 04867 94485 47561 51588 RNGB			
	0800z	28/07[674 938 5 33158 04867 94485 47561 51988 938 5 00000(s)] 0805z Strong		Danix,Spectre	THU

**August:**

12850kHz	0810z	11/08[674 853 5 99578]		FN, Spectre	THU
16780kHz	0800z	11/08[674 853 5 99578]		FN, Spectre	THU

**E23 [ XI ]** Frequencies and Times. All SSB [From AnonUK]

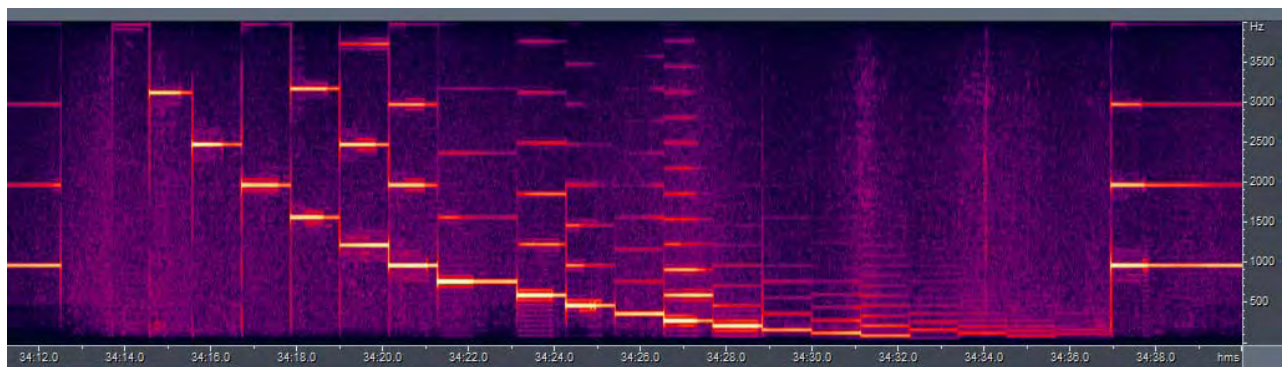
Since December 2004 skeds have become erratic, and may not stick to correct weeks. Some voice transmissions have been heard in week 2  
 Week 1 Usually starts on the first Monday of the Month, but there have been variations to this.  
 Times are not rigid, has been known to start as early as Hour + 52 [Txn AnonUK]. Week 2 was M04 Not heard since September 2000

	Week 1		Week2		Week 3		Week 4	
	Time	Freq	Time	Freq	Time	Freq	Time	Freq
Monday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250
					1257	6507		
Wednesday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250

**E25 [ O ]**

Test tones with varying frequency were transmitted at 9450 kHz on 31/07 and 11/08, among long sessions of blank carriers or 1000 Hz tone transmissions. The latter transmission happened during the morning, which is unusual. But still, despite the tests, E25 does not operate properly. The YL voice was irregular and of varying tempo, making it difficult to copy, while the live transmissions were affected by the Sun's activity (a giant X-class flare occurred on 09/08). On 24/07 a lot of messy transmissions happened, and at 0823z the mechanical YL counted 0-9, with each number spoken twice (E25 YL uses a different sample for the last numbers of a group in order to sound more realistic).

During August, some Greek fishermen used 6140 kHz also. While I am not 100% sure, E25 operators probably used LSB in order to avoid QRM!!!



Spectrogram of the test tones sequence 9450 kHz, 11/08, around 1236z

**July 2011**

9450kHz 1214z	01/07[830 7]1225z Carrier off-freq 1218z IO 1221z YL initially irregular, Mx3, Rx2, carrier left up, WinXP sounds	MG	FRI
1239z	01/07[555 0365 9011 0811 5668 4136]1248z ALM 1242z YL, irregular, WinXP sounds, stops at 1247z	MG	FRI
1249z	01/07[(2)661 9466 0290 0979 3299 0811]1257z Carrier, WinXP sounds, 1253z YL continues 555 msg	MG	FRI
1320z	01/07[780 9308 <b>4111</b> 8730 2659 2488 8644 3066 8111 4435 7354 <u>8730</u> ]1326z Carrier up at 1305z WinXP sound, YL 1320z, EOM only	MG	FRI
6140kHz 0800z	02/07[360 <b>0580</b> <u>1410</u> 4075 8021 8201 9768 <u>1410</u> 2507]0806z AM, YL irregular, V. Strong, QSB3	MG	SAT
1045z	02/07[128 5461 8590 2150 7737 3934 1934...]1051z YL, irregular, WinXP sounds QSB	MG	SAT
9450kHz 1220z	02/07[830 8]1226z IO, YL, QRN	MG, AE	SAT
1246z	02/07[440 8237 <b>4031</b> <u>4710</u> 2377 1161 8115 5905 2141 0105 3069 x730 7939 <u>4710</u> ]1256z YL, QRN, 1249z stops after 2 <sup>nd</sup> grp 1252z resumes, does not complete repeat	MG, AE	SAT
1319z	02/07[780 (as of 01/07)]1326z YL	MG, AE	SAT
	02/07 Horrible signal	Danix	SAT
6140kHz 0754z	03/07[360 (as of 02/07)]0803z OM live	MG	SUN
0902z	03/07 Tone over Informatik Radio, 0939z music lasting 1min, tone 0944z music, QRT 1009z	MG	SUN
1045z	03/07[(128) ... 859x 4x5x 7737 3934 4742 2297 8654 2150]1046z OM live in progress, missed call, sq tone	MG	SUN
6140kHz 0800z	04/07[364 24]0803z OM live ip 0802z mistake "34" instead of "24", sq tone	MG	MON
0930z	04/07[133 6031 5294 6968 5585 1003 0729 3042 9248 0616 8291 4907 0588 5000 8773 9329]0934z sq tone, OM live, Rx3 then QRT	MG	MON
6140kHz 0931z	05/07[133 (as of 04/07)]0935z sq tone, OM live, difficult to copy during msg	MG	TUE
1118z	05/07[887 2]1121z OM live, difficult copy	MG	TUE
6140kHz 1047z	06/07[128 4683 9531 4980 3821 1040 1134 6051 x726 39xx 3x0x xx04 ... 4960] OM live, QRN4	MG	WED
6140kHz 0800z	07/07[012 2207 6160 7679 3285 8090 3770 9425 2770]0802z OM live, sq tone	MG	THU
1046z	07/07[126 43]1049z sq tone, OM live, sq tone	MG	THU

6140kHz 0856z	10/07[804 5781 <u>0830</u> 5622 2920 5388 7645 2825 2218 6627 4222 3199 3530 <u>0830 6241</u> ] sq tone	MG	SUN
0900z	0857z noise 0900z sq tone then next TX	MG	SUN
0931z	10/07[200 10]0901z OM live, sq tone	MG	SUN
	10/07[138 24]0934z 1000Hz tone at 0910z, in AM mode then sq tone OM live over carrier?	MG	SUN
	MG: NOT MONITORED: MONDAY 11/07 to SATURDAY 16/07		
9450kHz 1230z	15/07[555 5170 <b>1111</b> <u>5280</u> 4745 5126 8044 0139 4559 7017 6209 <u>5280</u> ] ALM, Fair	AE	FRI
9450kHz 1215z	16/07[830 8] Music, YL, Weak	AE	SAT
6140kHz 0800z	17/07[012 4204 8530 4329 9010 8056 8881 7038 8096 0624 8498 9143 019]0805z sq tone	MG	SUN
0844z	OM live 012 019 rptd then 012 Mx3 sq tone, Weak	MG	SUN
0915z	17/07[169 2047 8890 2982 9642 6734 6292 7401]0847z OM live, sq tone, Weak	MG	SUN
1000z	17/07[955 11]0917z OM live, Weak	MG	SUN
	17/07[570 5889 8089 1022 6473 7025 8239 2158 7599]1003z OM live, stops, 1002z sq tone and 570x3 again, ended with sq tone	MG	SUN
6140kHz 0800z	18/07[(012) 5270 6780 0899 2935 8095 6168 7034 2770 (see 19/07)]0802z i.p. OM live, sq tone	MG	MON
0959z	18/07[575 62]1003z sq tone, OM live, sq tone	MG	MON
1116z	18/07[880 <u>6030</u> <b>0190</b> 5794 7691 8178 7262 5889 0621 <u>6030</u> ]1119z sq tone, OM live, sq tone	MG	MON
6140kHz 0758z	19/07[019 NO MSG 012 5270 6780 0899 2935 8095 6168 7034 2770]0801z OM live i.p. sq tone	MG	TUE
0918z	19/07[135 26 27]0922z sq tone, OM live, sq tone	MG	TUE
1111z	19/07[887 3 880 <u>1111</u> <b>1121</b> 7599 2959 1897 9255 2769 2704 8870 2126 8267 <u>1111</u> ]1116z sq tone, OM live, clean accent, sq tone	MG	TUE
6140kHz 1114z	20/07[887 3 880 (as of 19/07)]1119z sq tone, OM live, sq tone	MG	WED
9450kHz 1313z	21/07 1000 Hz tone at least till 1400z	MG	THU
9450kHz 1229z	22/07[555 2270 <b>2111</b> <u>5280</u> 4745 5126 8044 0139 4559 7017 6209 <u>5280</u> ] ALM, YL, Good	AE	FRI
6140kHz 0805z	24/07[116 3161 2337 5301 1354 7822 9156 3959 7641 2855 9367 15x1 7116 2901 1457 6678 51x3 ...] YL, irregular voice, Win sounds, five attempts to repeat msg, 0820z WinXP reboot sounds, 0823z YL counts 0-9, normal and "end" numbers	MG	SUN
0837z	24/07[140 1023 <u>2110</u> 3008 6298 6222 0407 5655 4463 2735 5416 6948 3672 8680 3241 4168 3017 <b>3481</b> <u>2110</u> ]0845z YL calls 140 a couple of times at 0824z, EOM only	MG	SUN
0845z	24/07[804 0482 <u>0740</u> 2979 0537 7522 6190 8459 4827 9390 4637 6764 <u>0740</u> <b>8231</b> ]0856z YL varying tempo, then slow tempo, Win sounds	MG	SUN
6140kHz 0830z	25/07[140 1032 <u>2110</u> 3008 6298 2226 0407 5655 4463 7235 5416 8948 3672 8680 3241 4168 3017 <b>3481</b> <u>2110</u> ]0836z sq tone, OM live similar to 25/07, sq tone	MG	MON
6140kHz 0845z	26/07[804 5487 <u>1460</u> 6581 9654 2189 7345 6264 4656 6588 6819 5608 9686 0564 9636 3320 <u>1460</u> <b>9271</b> ]0851z sq tone, OM live, difficult to distinguish 6 from 8, sq tone	MG	TUE
6140kHz 0829z	27/07[140 5732 <u>0301</u> 1515 2476 6245 4810 5441 1337 4874 0953 6552 0943 8447 <b>4451</b> <u>0301</u> ]0836z sq tone, OM live, sq tone	MG	WED
0844z	27/07[804 (as of 26/07)]0850z sq tone, OM live, sq tone	MG	WED
6140kHz 0844z	28/07[162 72 809 804 9182 <u>6420</u> 0859 4299 6089 1933 8152 9426 1319 0852 5993 <u>6420</u> <b>0331</b> ]0849z sq tone, OM live, sq tone	MG	THU
0859z	28/07[135 30]0903z sq tone, OM live, sq tone	MG	THU
0929z	28/07[575 64]0933z sq tone OM live, did a mistake, sq tone, QRN	MG	THU
6140kHz 0814z	29/07[187 2]0818z YL i.p. AM, EOM EOT 0817z, carrier	MG	FRI
0841z	29/07[809 804 (as of 28/07)]0854z YL i.p., irregular, WinXP sounds, ended EOM EOT EOT and 1 sec from ALM	MG	FRI
9450kHz 1228z	29/07[555 9270 <b>3111</b> <u>5280</u> 4745 5126 8044 0139 4559 7017 6209 <u>5280</u> ]1241z ALM, YL, message same as 15/07 Very poor signal strength in Gdynia, North Poland	MG, AE Danix	FRI FRI
9450kHz 0817z	31/07 1000Hz tone, varying frequency tones, AM, QRT 0826z, Strong	MG	SUN
<b>August 2011</b>			
6140kHz 0859z	01/08[133 9353 0215 9678 5383 3040 2892 3364 7872 8055 0492]0904z OM live, different voice, sq tone	MG	MON
6140kHz 1032z	02/08[672 ... 0782 0627 3695 2808 9960 7894 5505]1036z OM live, sq tone, QRN, difficult copy	MG	TUE
6140kHz 0846z	03/08[169 (see 04/08) 804 4382 3520 2204 2828 8021 2554 5095 4913 8132 3934 0765 9624 3520 1341]0852z OM live, QRN, difficult copy, sq tone	MG	WED
0957z	03/08[575 65]1000z sq tone, OM live, sq tone	MG	WED
1028z	03/08[672 4472 7007 3346 2072 3476 0782 0627 3695 2808 9960 7894 5505 (as of 02/08)]1032z sq tone, OM live, Rx3 low, sq tone	MG	WED
6140kHz 0840z	04/08[169 3045 8720 1844 5175 7235 7526 7097 4941 1258 3460 3260 3275 1470 (as of 03/08)]0846z sq tone, OM live, break after Rx3, sq tone and QRT	MG	THU
0926z	04/08[135 32]0929z sq tone, OM live, sq tone	MG	THU

9450kHz	1232z	05/08[555 5080 4111 4330 2545 4138 3066 4957 9045 5426 3680 4330] YL, Very Strong	AE	FRI
	1317z	05/08[780 1979 5101 8440 1135 1730 6417 7005 1225 9322 8440] EOM only, YL, Very Strong Carrier up from 1224z to 1351z. Windows shutdown sound at 1351z, then OUT	AE	FRI
6140kHz	0800z	06/08[360 (as of 07/08)]0802z i.p., YL with several problems, message resend at 07/08	MG	SAT
	0949z	06/08[128 2763 <b>0611</b> <u>4311</u> 7681 6809 0861 0888 4157 4317 2175 <u>4311</u> ]0956z from 0834z to 0843z WinXP beeps, 0949z YL, beeps and rewinds, 0956z "315", "31...", "7"	MG	SAT
	1121z	06/08[315 NO MESSAGE]1122z YL, no message	MG	SAT
9450kHz	1234z	06/08[555 5080 <b>4111</b> <u>4330</u> 2545 4138 3066 4957 9045 5426 3680 <u>4330</u> ]1242z ALM fast tempo, YL, irregular, EOM only	MG	SAT
		06/08 Fair	AE	SAT
6140kHz	0757z	07/08[360 1560 9430 7327 8301 9430 5904]0801z sq tone, OM live, sq tone	MG	SUN
	0813z	07/08[014] sq tone, OM live, 0815z QRN, no further copy	MG	SUN
	0839z	07/08[169 4045 5670 7514 7403 2627 9978 4748 5151 4307 1926 2912 3557 7272 3457 7174 2834]0844z sq tone, OM live, Rx3 almost inaudible, sq tone	MG	SUN
	1042z	07/08[128 (as of 06/08)] sq tone, OM live, brief tone during call, no EOM EOT, sq tone	MG	SUN
6140kHz	0757z	08/08[364 25 012 7270 5050 3070 6315 9287 0137 2243 9677 5867]0802z ip, OM live, sq tone	MG	MON
	0812z	08/08[185 7619 8790 2130 1486 014 1052 2480 4109 8007 2480 9160] sq tone, OM live, Rx3 low, sq tone		
	0842z	08/08[162 73]0846z sq tone, OM live, sq tone, Greek fishermen followed!	MG	MON
	0928z	08/08[133 5142 1187 8369 0028 0686 9389 3418 9382 2198 9026 1498] sq tone OM live, Mx3 louder, Rx3 lower, sq tone	MG	MON
	1103z	08/08 1000 Hz tone, AM mode, USB is stronger, actual freq is 6140.005 kHz, QRT 1140z	MG	MON
6140kHz	0800z	09/08[017 86] OM live, weak, QRN	MG	TUE
	0845z	09/08[804 x781 5xxx 657x 6926 815x 3268 xxx9] OM live, weak, QRN, difficult to copy	MG	TUE
	0930z	09/08 probably OM live ip, QRN	MG	TUE
	1044z	09/08[128 4561 <b>1661</b> <u>4570</u> 7219 1953 3149 8626 5723 4010 2549 5421 5643 7411 0655 7654 <u>4570</u> ]1049z sq tone, OM live, Rx3 very low, sq tone, initially a lot of QRN	MG	TUE
	1132z	09/08 Probable E25 in LSB, couldn't copy	MG	TUE
6140kHz	0759z	10/08[116 3180 2733 9520 9767 9522 9939 6567 4030]0803z sq tone, OM live, Rx3 and EOM EOT low audio, sq tone	MG	WED
	0814z	10/08[014 8475 <u>2770</u> 6880 7075 9208 <u>2770</u> <b>0270</b> ]0818z sq tone, OM live, Rx3 and EOM EOT low audio, sq tone	MG	WED
	0844z	10/08[804 2785 <u>5330</u> 6573 6946 8555 4064 5617 6687 4065 2896 1387 0377 8167 3596 9133 8064 <u>5330</u> <b>2381</b> ]0850z sq tone, OM live, sq tone	MG	WED
6140kHz	1116z	11/08[880 <u>8260</u> <b>2111</b> 9492 9549 5063 5434 9572 0572 1829 6264 <u>8260</u> ]1121z sq tone, OM live, Rx3 and EOM EOT very low, sq tone	MG	THU
9450kHz	1240z	11/08 Carrier and 1000 Hz test tone, AM, varying frequency at approximately 1241z, 1359z, 1429z, 1436z, 1440z, 1444z, 1448z, 1504z. Very Strong, oc. breaks, QRT at 1505z	MG, AE	THU
9450kHz	1225z	12/08 Carrier till 1237z, 1240z to 1250z, 1302z to 1319z	AE	FRI
6140kHz	0941z	14/08[355 15]0944z sq tone, OM live, sq tone	MG	SUN
	0956z	14/08[570 7833 2047 7374 4764 4948 7010 4233]1001z sq tone, OM live, Rx3 weak, sq tone	MG	SUN
9450kHz	1225z	14/08 Carrier, QRT 1241z, 1243z carrier, QRT 1254z, 1306z carrier, QRT 1323z	MG	SUN
6140kHz	0846z	15/08[MISSED CALL 5044 8060 9602 8376 4594 4873 6159 0132 9067]0848z OM live i.p. tone	MG	MON
	0929z	15/08[135 34 35]0932z sq tone, OM live, sq tone	MG	MON
	1000z	15/08[570 (as of 14/08)]1003z sq tone, OM live, Rx3, EOM EOT very low, sq tone	MG	MON
6140kHz	0758z	16/08[012 8205 8070 5708 1946 2728 0871 6087 7143]0801z OM live i.p. Rx3 not heard, sq tone	MG	TUE
	0842z	16/08[804 9481 6520 1921 2751 5915 9473 8440 2896 6520 3301]0847z sq tone, OM live, Rx3 not heard, sq tone	MG	TUE
6140kHz	0800z	17/08[017 87]0804z sq tone, OM live, QRM Greek fisherman said "fonakses?" ("did you call?")	MG	WED
	0845z	17/08[169 6046 1320 6135 6090 2634 7234 7786 4575 3175 4923 4685 0132 9070]0852z OM live, Greek fisherman calling "edo ise?" ("are you here?") afterwards	MG	WED
6140kHz	0842z	18/08[162 74 806 5]0845z sq tone, OM live, sq tone	MG	THU
	0928z	18/08[135 36 133 9650 2168 8018 6548 1014 3259 3100 5135 2495]0933z sq tone, OM live calling a couple of times, sq tone, OM calling, msg, EOM EOT very low, sq tone	MG	THU
6140kHz	0931z	22/08[135 37]0934z brief tone, YL, EOM EOT	MG	MON
6140kHz	0930z	23/08[135 38]0933z YL, EOM EOT	MG	TUE
6140kHz	0907z	24/08 Windows startup sound and several pops	MG	WED
	0930z	24/08 YL unreadable, WinXP clicks, music very slow tempo, music, QRT 0934z	MG	WED
6140kHz	0923z	25/08[135 39]0932z Win sounds at 0921z, YL, 0924z pause, several Win sounds, YL resumes at 0929z, Mx3 at 0932z	MG	THU
9450kHz	1231z	26/08[555 6280 <b>7111</b> <u>9550</u> 3204 7321 9547 8787 8164 2394 8778 <u>9550</u> ]1242z ALM, YL, Rx4 Clicks after EOM EOT	MG	FRI
	1245z	26/08[440 2417 <b>2001</b> <u>0501</u> 0594 1870 9946 0365 0882 2585 <u>0501</u> ]1251z YL, Windows shutdown sound, QRT	MG	FRI

6140kHz 0814z	30/08[187 3]0817z YL, AM, Strong	MG	TUE
0930z	30/08[135 40 41]0933z YL, Strong	MG	TUE

**G06[1A]**

**July:**

5427kHz1700z	04/07[439 00000(s)] 1704z Strong QSB2	Danix, Spectre	MON
6948kHz0800z	04/07[215 00000(s)] 0803z Fair QSB3	Danix, Hans	MON
4958kHz1800z	11/07[439 00000]	FN, Spectre	MON
5427kHz1700z	04/07[439 00000(s)] 1704z Strong QSB2	Danix, Spectre	MON
1700z	11/07[439 00000] 1704z Weak QRN2 QSB2	Spectre	MON
5943kHz1930z	15/07[218 611 15 84721 03652 .... 36134] Strong BC-QRM3 Hans FRI		
6887kHz1830z	14/07[842 973 15 29809 ..... 73651 973 15 00000(s)] 1838z Fair QRN3	Spectre	THU
	842 973 15 29809 83671 36212 83761 03699 82372 63136 29402 84731 13566 29833 08090 79642 31652 73651 973 15 00000 <i>Courtesy Spectre</i>		
1830z	28/08[842 973 15 29829 ... 73651 973 15 00000(s)] 1838z Fair QRN2 QSB2	Spectre, GD	THU
6948kHz0800z	04/07[215 00000(s)] 0803z Fair QSB3	Danix, Hans	MON

**August:**

5943kHz1930z	12/08[218 363 15 10923 92837 .... 76897] 1937z Strong BC-QRM4	Hans	FRI
1930z	26/08[218 ?????] Fair, BCQRM4	FR	FRI
6887kHz1830z	11/08[842 395 15 13245 ... 25525 396 15 00000] Fair, BCQRM	HJH	THU
1830z	25/08[842 396 15 13245 ... 25525 396 15 00000]	HJH	THU

**G11[III]**

**July:**

**G11 July/August log:**

3815kHz1959z	15/07 [262/00] V.strong	Hans	FRI
2000z	17/07 [262/00]	RNGB	SUN
2000z	24/07 [262/00] Ende 2003z Very strong	(3m22s) PLondon	SUN
2000z	31/07 [264/31 A 09241 ... 54027] Ende 2010z Strong	(9m42s) PLondon	SUN
2000z	05/08 [262/00] 2003z Fair QRN2	Spectre	FRI
2000z	12/08 [262/00] 2003z Fair QRN2	Spectre	FRI
2000z	14/08 [262/00] 2003z Fair QRN2 QSB2	Spectre	SUN
2000z	19/08 [265/38 04315 02778 82250 ... 83596 60635 62809] 2010z V.strong	Danix	FRI
2000z	26/08 [262/00] 2003z Very strong	Danix, Spectre	FRI
2000z	28/08 [262/00] Good	RNGB, Spectre	SUN
5815kHz 1755z	28/07 [270/00] 1758z Weak QRN3 QSB2	Spectre	THU
1755z	31/07 [266/35 A 49111 ... ] end not copied	PLondon	SUN
1755z	09/08 [270/00]	RNGB	TUE
1325z	12/08 [298/36 Achtung 32424 ... 74521 Ende] 1335z Weak QRN3 QSB2	Spectre	FRI
	298/36 Achtung 32424 46486 69913 92434 09600 20707 26650 55914 97221 11393 91582 47148 10886 91266 53445 39868 46172 26566 13375 07950 65992 13440 29105 64105 06902 80521 09767 58334 13216 22496 99420 87283 05824 20097 14286 74521 Ende <i>Courtesy Spectre</i>		
1755z	16/08 [270/00] 1758z Very strong, bad audio	Danix, RNGB	TUE
1325z	19/08 [299/00] 1328z Very strong	Danix	FRI
1325z	26/08 [299/00] 1328z Strong	Danix	FRI
6986kHz 0940z	11/07 [275/00] 0943z Fair QRN2 QSB2	Spectre	MON
0940z	21/07 [276/36 24820 37130 32523 29231 92948.....18910] Good	RNGB	THU
0940z	28/07 [275/00] 0943z Very strong	Danix	THU
0940z	01/08 [275/35 A 50330 6807714378...14399] Ende 0950z Very strong QSB2	Danix	MON
0940z	08/08 [275/00] Strong	Hans, Spectre	MON
0940z	15/08 [275/00] Ende 0943z Very strong QSB3	Danix, Hans	MON
0940z	18/08 [275/00] 0943z Fair QRN2	Spectre	THU
0940z	25/08 [275/00] Good	RNGB	THU



**Starting with RNGB's S06 report for both months and then onto others' logs.**

**S06 log July/August**

Friday	01/07	19.52	4586	'125' 00000
Friday	01/07	20.25	4512	'524' 00000
Friday	01/07	20.58	4001	'294' 00000
Monday	11/07	19.00	7982	'349' 00000
Monday	11/07	20.15	14385	'764' 00000
Monday	11/07	21.15	12205	'764' 00000
Saturday	16/07	19.00	10178	'703' 00000
Saturday	16/07	19.00	6943	'837' 00000
Saturday	16/07	20.00	5926	'837' 00000
Saturday	16/07	20.00	9065	'703' 00000
Thursday	21/07	19.05	6984	'349' 00000
Weds	03/08	18.00	6770	'471' 00000
Saturday	06/08	16.05	6983	'134' 00000
Saturday	06/08	19.00	10178	'703' 00000
Saturday	06/08	19.00	6943	'837' 00000
Saturday	06/08	20.00	5926	'837' 00000
Saturday	06/08	20.00	9065	'703' 00000
Monday	08/08	19.00	7982	'349' 00000
Monday	08/08	20.15	13545	'433' 00000
Monday	08/08	21.15	11140	'433' 00000
Weds	10/08	18.00	6770	'471' 00000
Thursday	11/08	19.05	6984	'349' 00000
Saturday	13/08	19.35	6922	'366' 00000
Monday	15/08	19.05	6984	'349' 00000
Monday	22/08	19.05	6984	'349' 00000
Weds	24/08	18.00	6770	'471' 00000
Thursday	25/08	19.05	6984	'349' 00000
Friday	26/08	08.30	16327	'842' 601 37 06200 95460 14611 23626 05278.....19342
Friday	26/08	09.30	13875	'842' 601 37 06200 95460 14611 23626 05278.....19342
Saturday	27/08	16.00	8157	'134' 00000
Saturday	27/08	19.35	6922	'366' 00000
Monday	29/08	19.05	6984	'349' 00000

**S06s report July/August**

During the second half of July all the Friday morning schedules took a vacation at some point and were sending nulls.

Most were back to message sending by the middle of August (see logs below). Frequencies used were:

ID 516 0930/40/50/1000/10/20 on ?/?/12560/13129/13945/14420

ID 196 0600/10/20/30/40/50 on 8495/9260/9790/10250/11025/12235

ID 934 0600/10/20/30/40/50 on 7535/8240/8720/9354/9965/10415

Wednesday ID 328 on vacation since 17th August and still away as I write this, using the following, sending nulls:

0840/50/0900/10/20/30 on 10210/10888/11011/11765/12122/12454

ID 418 on Tuesday morning has not been heard since 12th July. Day/time/frequency change?

All the rest still sending 2 messages a month. No reports from some on the lower frequencies daytime. Presuming lack of propagation.

**S06s log July:**

**Monday**

4th/11th	1200/1210	10230/12165	'831' 425 6 85558 44474 41352 52168 55268 75870
18th/25th			'831' 907 5 08644 28952 60267 75668 25455
4th/11th	1600/1610	9256/7889	'176' 820 5 81281 58256 24553 45552 15043
18th/25th			'176' 243 5 57030 21315 46898 32391 59174

**Tuesday**

5th/12th	0600/0610	16735/15230	'438' 952 6 56854 76353 63546 46625 95593 24985
19th/26th			'438' 975 6 78625 34543 67841 29903 01928 37465
5th/12th	0700/0715	5430/6780	'374'
19th/26th			'374'
5th/12th	0800/0810	7245/9670	'418' 925 6 66254 45916 98164 55013 54580 49928
19th/26th			'418'
5th/12th	0800/0810	14373/12935	'352' 917 6 15044 00969 22778 07438 44723 56895
19th/26th			'352' 487 6 68874 45575 61851 54728 50654 68290
5th/12th	1230/1240	7650/ ?	'278' 459 6 54146 66941 40521 88695 78126 65351
19th/26th			'278' 451 6 99228 77544 04816 56447 51269 58842
5th/12th	1500/1510	6666/7744	'537' 928 6 86970 32754 26946 41736 73164 64794
19th/26th			'537' 961 8 20164 29076 56705 45562 52562 63207 21065 63450

**Wednesday**

6th/13th	0530/0540	11435/12650	'153' 947 6 86277 54095 55877 90755 51263 78865
20th/27th			'153'
6th/13th	0730/0740	7335/11830	'745' 928 6 86512 42713 42241 93835 39435 41520
20th/27th			'745' 908 6 57883 55835 57259 49653 75847 55064
6th/13th	0820/0830	6755/5835	'471' 908 5 09981 13428 76845 33890 56743
20th/27th			
6th/13th	0840/0850	10120/9670	'328' 497 5 09128 73645 67843 90128 78921
20th/27th			'328' 947 5 21492 26335 66535 36918 35737
6th/13th	1000/1010	14580/16020	'729' 410 5 71625 89367 56710 92856 34545
20th/27th			'729' 854 6 18188 40455 55475 55274 83375 01142

6th/13th	1200/1210	7765/6815	'481' 267 5 15144 18553 23110 45722 88532
20th/27th			'481' 930 5 49125 24506 75276 45866 25454
6th/13th	1230/1240	7545/8220	'967' 218 5 65556 74451 77149 63727 04158
20th/27th			'967' 830 5 13451 19485 73289 63500 63975
6th/13th	1900/1910	10170/9110	'371' 498 5 34752 29573 29345 62055 14415
20th/27th			'371' 954 6 44529 54429 75412 52575 55254 25737
<b>Thursday</b>			
7th/14th	0800/0810 (E17z)	16780/12850	'674' 893 5 14514 63204 42369 32684 23446
21st/28th			'674' 938 5 23158 04867 94485 47561 51588
7th/14th	0900/0910	12952/13565	'167' 904 5 72963 34563 97242 19465 59813
21st/28th			'167' 924 5 91407 20418 16511 23154 61255
7th/14th	1200/1210	12155/14535	'425' 876 9 29574 15425 19757 65426 54695 52212 29473 32468 65773
21st/28th			'425'
7th/14th	1230/1240	9255/7630	'314'
21st/28th			'314'
7th/14th	1400/1410	5320/4845	'624'
21st/28th			'624'
<b>Friday</b>			
1st/8th	0600/0610	8340/5810	'934' 872 5 06151 05545 14508 83418 47824
1st/8th	0600/0610	7845/9125	'196' 834 5 50792 25674 31576 58435 51442
1st/8th	0930/0940	10290/9655	'516' 490 7 42524 91545 42604 86121 61661 60809 89435
<b>Saturday</b>			
2nd	1200/1210	12460/ ?	'254'
<b>S06s August log:</b>			
<b>Monday</b>			
1st/8th	1200/1210	10230/12165	'831' 970 5 87646 34736 42728 21809 92365
15th/22nd			'831' 259 6 91827 65740 78129 35266 23230 00987
1st/8th	1600/1610	9256/7889	'176' 940 5 05548 43742 83166 59065 33459
15th/22nd			'176' 290 5 37225 45929 87757 52760 45564
<b>Tuesday</b>			
2nd/9th	0600/0610	16735/15230	'438' 250 6 89789 53278 16879 15368 51086 25260
16th/23rd			'438' 501 6 67836 25364 67890 38477 12309 88765
2nd/9th	0700/0715	5430/6780	'374' 961 5 78809.....
16th/23rd			'374'
2nd/9th	0800/0810 ?	7245/9670 ?	'418'
16th/23rd			
2nd/9th	0800/0810	14373/12935	'352'
16th/23rd			'352' 470 6 20163 29076 57605 44562 52563 12076
2nd/9th	1230/1240	7650/6125	'278' 405 6 25229 35484 75082 25477 68424 49706
16th/23rd			'278' 914 5 79874 03964 83451 78753 96913
2nd/9th	1500/1510	6666/7744	'537'
16th/23rd			'537'
<b>Wednesday</b>			
3rd/10th	0530/0540	11435/12650	'153'
17th/24th			'153' 469 7 80151 68525 76242 88342 52257 92675 83454
3rd/10th	0730/0740	7335/11830	'745' 261 8 78162 56567 43210 90678 22671 78924 68989 01987
17th/24th			'745' 830 6 23126 54945 55895 25318 79364 85878
3rd/10th	0820/0830	6755/5835	'471'
17th/24th			'471' 806 5 75544 47492 55355 54751 48844
3rd/10th	0840/0850	10120/9670	'328' 961 5 72635 45362 78463 28910 98765
17th/24th			'328'
3rd/10th	1000/1010	14580/16020	'729' 851 6 87649 81322 28607 16078 04475 58561
17th/24th			'729' 480 5 59072 58615 16074 95054 75427
3rd/10th	1200/1210	7765/6815	'481' 932 5 98259 91756 40701 70980 51225
17th/24th			'481' 230 5 73343 59776 10125 91446 58334
3rd/10th	1230/1240	7545/8220	'967' 408 5 75259.....
17th/24th			'967'
3rd/10th	1900/1910	10170/9110	'371' 820 5 65022 45854 76496 58867 42841
17th/24th			'371' 409 5 85555 53552 13444 65280 21966
<b>Thursday</b>			
4th/11th	0800/0810 (E17z)	16780/12850	'674' 813 5 99578 25364 35551 57588 28571
18th/25th			'674' 918 5 54146 66941 40521 88695 78126
4th/11th	0900/0910	12952/13565	'167' 950 8 99228 77544 04816 56447 51269 03176 58842 55499
18th/25th			'167' 493 5 65351 23435 65646 29319 44564
4th/11th	1200/1210	12155/14535	'425' 986 7 25357 01898 73214 42277 76294 37536 55995
18th/25th			'425' 908 6 07306 84564 45223 88841 16156 95679
4th/11th	1230/1240	9255/7630	'314'
18th/25th			'314'
4th/11th	1400/1410	5320/4845	'624'
18th/25th			'624'
<b>Friday</b>			
12th/19th	0600/0610	8720/10415	'934' 205 6 46144 33552 75217 08791 51545 97481
26th			'934' 820 5 ?
26th			'196' 423 5 81545 74167 85202 85141 64525
5th/12th	0930/0940	10290/9655	'516' 498 7 41914 49024 47527 56426 55534 44434 11873
19th/26th			'516' 849 7 40439 04473 11295 33747 78877 55559 59959

**Saturday**

6th 1200/1210 12460/? '254' 897 6 81726 35463 99108 35644 56567 28756

Some traffic analysis of S06s and E17z

E17z is again noted sending identical messages as S06s. Also some S06s messages repeated again last month. See below:

Thursday	01/04/2010 08.00z	14260	E17z	'674' 208 5 54146 66941 40521 38695 78126
Thursday	04/03/2010 09.10z	12310	S06s	'167' 809 5 54146 66941 40521 88695 78126
<b>Tuesday</b>	<b>03/08/2010 08.00z</b>	14373	S06s	'352' 840 6 54146 66941 40521 88695 78126 65351
<b>Thursday</b>	<b>18/08/2011 08.00z</b>	16780	E17z	'674' 918 5 54146 66941 40521 88695 78126
Tuesday	21/12/2010 08.10z	10265	S06s	'352' 489 6 54146 66941 40521 88695 78126 65351
<b>Tuesday</b>	<b>12/07/2011 12.30z</b>	7650	S06s	'278' 456 6 54146 66941 40521 88695 78126 65351
<b>Thursday</b>	<b>04/08/2011 09.00z</b>	12952	S06s	'167' 950 8 99228 77544 04816 56557 51269 03176 58842 55499
Weds	15/12/2010 12.40z	6420	S06s	'967' 283 5 99228 77544 04816 56557 -5823?
Friday	21/01/2011 06.00z	5460	S06s	'934' 867 5 99228 77544 04816 56557 51269
Thursday	24/03/2011 09.00z	12952	S06s	'167' 948 5 99228 77544 04816 56557 51269
Weds	13/04/2011 19.00z	9220	S06s	'371' 980 5 99228 77544 04816 56557 51269
Tuesday	01/02/2011 12.30z	5810	S06s	'278' 415 6 99228 77544 04816 56557 51269 03176
Tuesday	27/04/2010 08.00z	11635	S06s	'352' 867 9 99228 77544 04816 56557 51269 03176 58842 55499 72223
Tuesday	04/01/2011 12.30z	5810	S06s	'278' 439 5 20163 29076 56705 45562 52562
Tuesday	21/06/2011 08.00z	14373	S06s	'352' 871 6 20163 29076 56705 45562 52562 63207
Tuesday	07/12/2010 15.00z	5070	S06s	'537' 946 8 20163 29076 56705 45562 52562 63207 21065 63450
<b>Tuesday</b>	<b>16/08/2011 08.00z</b>	14373	S06s	'352' 470 6 20163 29076 57605 44562 52563 12076
Thursday	24/03/2011 14.00z	5320	S06s	'624' 978 5 20163 29076 57605 45532 62630
<b>Thursday</b>	<b>04/08/2011 08.00z</b>	16780	E17z	'674' 813 5 99578 25364 35551 57588 28571
Weds	09/03/2011 05.30z	10835	S06s	'153' 429 6 99578 25364 35551 57588 28571 32575
Friday	07/05/2010 06.00z	7845	S06s	'196' 483 5 65351 23435 65646 29319 44564
<b>Thursday</b>	<b>18/08/2011 09.00z</b>	12952	S06s	'167' 493 5 65351 23435 65646 29319 44564

Others' logs:

**S06 [1A]****July:**

4001kHz2100z	01/07[294 00000]	2103z Very weak QRN2	Spectre	FRI
2059z	02/07[294 00000]	2103z Fair QRN3	Spectre	SAT
4007kHz 2059z	03/07[294 00000 5555 (5555 x 7) After message]	2104z Fair QRN2	Spectre	SUN
4512kHz2024z	01/07[524 00000]	2027z Weak QRN3	Spectre	FRI
2024z	02/07[524 00000]	2028z Weak QRN3	Spectre	SAT
2024z	03/07[524 00000 4444 After message]	2028z Fair QRN3	Spectre	SUN
4586kHz1950z	01/07[125 00000]	1954z Weak QRN2	Spectre	FRI
1950z	02/07[125 00000]	1954z Weak QRN3	Spectre	SAT
5926kHz2000z	16/07[837 00000]	2004z Fair BC-QRM3	Hans	SAT
6770kHz1800z	13/07[471 00000]	1804z Fair QRN3	Spectre	WED
1800z	20/07[471 00000]	1803z Fair QRN2	Spectre	WED
1800z	27/07[471 00000]	1804z Strong QRN2	Spectre	WED
6943kHz1900z	16/07[837 00000]	1904z Fair BC-QRM3	Hans,Danix	SAT
6983kHz1605z	02/07[134 00000(f)]	1609z Fair QSB3	Danix, Spectre	SAT
1605z	16/07[134 00000]	1608z Weak QRN2	Spectre	SAT
6984kHz1905z	04/07[349 00000]	1909z Fair QRN2	Spectre	MON
1905z	07/07[349x3 00000]		GD, Spectre	THU
1905z	18/07[349 00000]	1908z Fair QRN2	Spectre	MON
1905z	21/07[349 00000]	1909z Strong QRN2	Spectre	THU
1905z	28/07[349 00000]	1908z Fair QRN2	Spectre	THU
7718kHz1930z	02/07[366 00000]	1934z Fair QRN2	Spectre	SAT
1930z	16/07[366 00000]	1934z Fair	Hans	SAT
1930z	23/07[366 00000]	1934z Strong QRN2	Spectre, D	SAT
7982kHz1900z	25/07[349 00000]	1904z Fair QRN2	Spectre	MON
9065kHz2000z	16/07[703 00000]	2004z Strong	Hans,Danix	SAT
10178kHz1900z	16/07[703 00000]	1904z Strong	Hans, GD, Danix	SAT

**August:**

5865kHz1805z	17/08[471 00000] 1808z Fair QRN2 QSB2	Spectre	WED
6770kHz1759z	31/08[471 00000] 1803z Fair QRN2 QSB2	Spectre	WED
6922kHz1935z	06/08[366 00000] 1938z Weak QRN4 QSB2	Spectre	SAT
1935z	13/08[366 00000] 1938z Fair QRN2 QSB2	Spectre	SAT
1935z	27/08[366 00000] Strong signal, moderate noise	FR, Spectre	SAT
6983kHz1605z	06/08[134 00000] 1608z Weak QRN3 QSB3	Spectre	SAT
1605z	13/08[134 00000] 1608z Fair QRN2 QSB2	Spectre	SAT
6984kHz1950z	11/08[349 00000] Good audio	HJH	THU
1905z	15/08[349 349 ....] null message very good audio west alps	Vig, Hans	MON
1900z	25/08[349 00000]	HJH	THU
1905z	29/08[349 00000] Strong signal, good audio	HJH	MON
7982kHz1900z	01/08[349 00000] 1904z Strong QRN2	Spectre	MON
8157kHz1600z	27/08[134 00000] Weak signal, moderate to strong noise	FR	SAT
9065kHz2000z	06/08[703 00000] 2003z Fair QRN2 QSB2	Spectre	SAT

**S06c****July: No Reports****S06e****July: No Reports****S06s****July:**

5430kHz0700z	19/07[374 904 5 19287] weak signal	FN	TUE
5835kHz0840z	13/07[908 5 09981] Weak	FN, Spectre	WED
6666kHz1500z	12/07 [537 928 6 86970]	FN	TUE
6755kHz0830z	13/07[908 5 09981]	FN	WED
6775kHz 0820z	13/07 [471 908 5 09981 13428 76845 33890 56743 908 5 00000(s)] 0825z Weak QRN2 QSB2	Spectre	WED
6780kHz0715z	19/07[374 904 5 19287] QRM	FN	TUE
6815kHz1210z	13/07[481 267 5 15144]	FN, Spectre	WED
1210z	20/07[481 930 5 49125 24506 75276 45866 25454 930 5 00000(s)] 1215z Weak QRN3	Spectre	WED
7245kHz0800z	12/07[418 925 6 66254]	FN, Spectre	TUE
7335kHz0730z	13/07[745 928 6 86512 42713 42241 93835 39435 41520] Weak/Fair	Hans, FN, Spectre	WED
0730z	20/07[745 908 6 57883 55835 57259 49623 75847 55064 908 6 00000(s)] 0735z Weak QRN2	Spectre	WED
7545kHz1230z	13/07[967 218 5 65556]	FN, Spectre	WED
1230z	20/07[967 830 5 13451 19485 73289 63500 63975 830 5 00000(s)] 1235z Weak QRN3 QSB2	Spectre	WED
7630kHz1240z	14/07[314 965 7 99578]	FN	THU
7650kHz1230z	12/07[278 459 6 54146]	FN	TUE
7744kHz1510z	12/07[537 928 6 86970]	FN	TUE
7765kHz1200z	13/07[481 267 5 15144]	FN, Spectre	WED
1200z	20/07[481 930 5 49125 24506 75276 45866 25454 930 5 00000(s)] 1205z Weak QRN3	Spectre	WED
7889kHz1610z	11/07[176 820 5 81281]	FN, Spectre	MON
8220kHz1240z	13/07[967 218 5 65556]	FN, Spectre	WED
1240z	20/07[967 830 5 13451 19485 73289 63500 63975 830 5 00000(s)] 1245z Weak QRN3	Spectre	WED
8240kHz0610z	22/07[934 00000] Fair	Hans	FRI
8720kHz0620z	22/07[934 00000] Strong	Hans	FRI
9110kHz1910z	13/07[371 498 5 34752]	FN, Spectre	WED
1910z	20/07[371 954 6 44529 54429 75412 52575 55254 25737 954 6 00000(s)] 1915z Weak QRN2	Spectre	WED
9255kHz1230z	14/07[314 965 7 99578]	FN	THU
9256kHz1600z	11/07[176 820 5 81281]	FN, Spectre	MON
9354kHz0630z	22/07[934 00000] Strong	Hans	FRI
9655kHz0940z	01/07[516 490 7 42524 91545 42604 86121 61661 60809 89435] Fair	Hans	FRI

9670kHz0810z 0850z	12/07[418 925 6 66254] 13/07[328 497 5 09128]	FN, Spectre FN, Spectre	TUE WED
9965kHz0643z 0640z	15/07[934 00000] 0644z Fair 22/07[934 00000] Fair	Hans Hans	FRI FRI
10120kHz0840z	13/07[328 497 5 09128]	FN, Spectre	WED
10170kHz1900z 1900z	13/07[371 498 5 34752] 20/07[371 954 6 44529 54429 75412 52575 55254 25737 954 6 00000(s)] 1905z Weak QRN2	FN, Spectre Spectre	WED WED
10230kHz1200z 1200z 1200z	11/07[831 425 6 85558] 18/07[831 907 5 08644 ***** 60267 75668 25457 907 5 00000(s)] 1205z Very weak QRN2 QSB3 25/07[831 907 5 08644 28952 60267 75668 25455 907 5 00000(s)] 1205z Weak QRN2 QSB2	FN, Spectre Spectre Spectre	MON MON MON
10290kHz0930z	01/07[516 490 7 42524 91545 42604 86121 61661 60809 89435] Fair	Hans	FRI
10415kHz0650z	22/07[934 00000] Fair	Hans	FRI
11435kHz0530z	13/07[153 947 6 86277 54095 55877 90755 51263 78865] Fair	Hans	WED
11830kHz0740z 0740z	13/07[745 928 6 86512] 20/07[745 908 6 57883 55835 57259 49623 75847 55064 908 6 00000(s)] 0745z Weak QRN2	FN, Spectre Spectre	WED WED
12155 kHz1200z	14/07[425 876 9 29574 15425 19757 65426 54695 52212 29473 32468 65773] Strong QSB2	Hans, FN, JO	THU
12165kHz1210z 1210z 1210z	11/07[831 425 6 85558] 18/07[831 907 5 08644 ***** 60267 75668 25457 907 5 00000(s)] 1215z Very weak QRN2 QSB3 25/07[831 907 5 08644 28952 60267 75668 25455 907 5 00000(s)] 1215z Weak QRN2 QSB2	FN, Spectre Spectre Spectre	MON MON MON
12460kHz1200z	02/07[254 897 6 81726 35463 99108 35644 56567 28756 897 6 00000(s)] 1205z Strong QSB4 (5m 32s)	Danix	SAT
12560kHz0950z	22/07[516 00000] Strong	Hans	FRI
12935kHz0810z	12/07[352 917 6 15044]	FN, Spectre	TUE
12952kHz0900z	14/07[167 904 5 72963 34563 97242 19465 59813] Strong	Hans, FN	THU
13129kHz1000z	22/07[516 00000] Strong, some QRM from Firedrake	Hans	FRI
13565kHz0910z	14/07[167 904 5 72963]	FN	THU
13945kHz1010z 1010z	15/07[516 00000] 1014z Strong 22/07[516 00000] Fair	Hans Hans	FRI FRI
14373kHz0800z	12/07[352 917 6 15044]	FN, Spectre	TUE
14420kHz1020z 1020z	15/07[516 00000] 1024z Strong 22/07[516 00000] Fair	Hans Hans	FRI FRI
14535kHz1210z 1210z	07/07[425 876 9 29574 ..... 65773 876 9 00000] 1218z Fair QRN2 14/07[425 876 9 29574 15425 19757 65426 54695 52212 29473 32468 65773 876 9 0 0 0 0]1216z QSA5	Spectre JO, FN	THU THU
14580kHz1000z 1000z 1000z	13/07[729 410 5 71625 89367 56710 92856 34545] Strong QSB2 20/07[729 854 6 18188 40455 55475 55274 83375 01142 854 6 00000(s)] 1005z Fair QRN2 QSB2 27/07[729 854 6 18188 40455 55475 55274 83375 01142 854 6 00000(s)] 1005z Weak QRN2 QSB3	Hans, Spectre Spectre Spectre	WED WED WED
16020kHz1010z 1010z 1010z	13/07[729 410 5 71625 89367 56710 92856 34545 410 5 00000(s)] 1015z Weak QRN2 QSB2 20/07[729 854 6 18188 40455 55475 55274 83375 01142 854 6 00000(s)] 1015z Fair QRN2 QSB2 27/07[729 854 6 18188 40455 55475 55274 83375 01142 854 6 00000(s)] 1015z Weak QRN2 QSB3	Spectre Spectre Spectre	WED WED WED
<b>August:</b>			
5430kHz0700z	09/08[374 961 5 78809]	FN	TUE
5835kHz0830z 0830z	10/08[471 902 5 01928] weak signal 17/08[471 806 5 75544 47492 55355 54751 48844] Weak	FN Hans	WED WED
6125kHz 1240z 1240z	09/08[278 405 6 25229 35484 75082 254?7 68424 49706 405 6 00000(s)] 1245z Fair QSB2 QRM2 16/08[278 914 5 79874 03964 83451 78753 96913] Weak QSB3	Danix Hans	TUE TUE
6666kHz1500z 1500z	16/08[537 406 8 46233 22672 47948 82444 26088 33815 25478 45575] Fair 30/08[537 00000(s)] 1504z Weak QRN3 QSB2	Hans Spectre	TUE TUE
6755kHz0820z	10/08[471 902 5 01928]	FN	WED
6780kHz0715z	09/08[374 961 5 78809]	FN	TUE
6815kHz1210z 1210z 1209z	03/08[481 5 98259 91756 40701 70980 51225 932 5 00000(s)] 1215z Weak QRN2 QSB2 10/08[481 932 5 98259] weak signal 31/08[481 00000(s)] 1213z Very Weak QRN3 QSB3	Spectre FN Spectre	WED WED WED
7335kHz0730z 0730z	03/08[745 261 8 78162 56567 43210 90678 22671 78924 68989 01989] Weak 17/08[745 830 6 23126 54945 55895 25318 79364 85878] Strong	Hans Hans WED	WED

7545kHz1230z 1230z	10/08[967 408 5 75259 48745 35589 55484 55945 408 5 00000(s)] 1235z Weak QRN3 QSB2 31/08[967 00000(s)] 1234z Very Weak QRN3 QSB3	Spectre, FN Spectre	WED WED
7650kHz1230z 1230z 1230z	16/08[278 914 5 79874 03964 83451 78753 96913] Fair QSB3 23/08[278 914 5 79874 03964 83451 78753 96913 914 5 00000(s)] 1235z Fair QRN2 QSB2 30/08[278 00000(s)] 1234z Weak QRN3 QSB3	Hans Spectre Spectre	TUE TUE TUE
7744kHz1509z	30/08[537 00000(s)] 1513z Weak QRN3 QSB2	Spectre	TUE
7765kHz1200z	10/08[481 932 5 98259]	FN	WED
7765kHz1200z 1200z	03/08[481 5 98259 91756 40701 70980 51225 932 5 00000(s)] 1205z Weak QRN2 QSB2 31/08[481 00000(s)] 1204z Weak QRN3 QSB2	Spectre, FN Spectre	WED WED
7889kHz1610z 1610z	08/08[176 940 5 05548 43742 83166 59065 33459 940 5 00000(s)] 1615z Fair QRN3 QSB2 15/08[176 290 5 37225 45929 87757 52760 45564 290 5 00000(s)] 1615z Weak QRN2 QSB2	Spectre Spectre	MON MON
8220kHz1240z 1239z	10/08[967 408 5 75259 48745 35589 55484 55945 408 5 00000(s)] 1245z Weak QRN3 QSB2 31/08[967 00000(s)] 1243z Very Weak QRN3 QSB3	Spectre, FN Spectre	WED WED
8720kHz0600z	19/08[934 205 6 46144 33552 75217 08791 51545 97481] Strong	Hans	FRI
9110kHz 1910z 1910z 1910z 1909z	03/08[371 820 5 65022 45854 76496 58867 42841 820 5 00000(s)] 1915z Fair QRN2 QSB2 10/08[371 820 5 65022 45854 76496 58867 42841 820 5 00000(s)] 1915z Weak QRN3 QSB2 17/08[371 409 5 85555 53552 13444 65280 21966 409 5 00000(s)] 1915z Weak QRN2 QSB2 31/08[371 00000(s)] 1913z Fair QRN2 QSB2	Spectre Spectre, FN Spectre Spectre	WED WED WED WED
9256kHz1600z 1600z 1600z	08/08[176 940 5 05548 43742 83166 59065 33459 940 5 00000(s)] 1605z Weak QRN3 QSB2 15/08[176 290 5 37225 45929 87757 52760 45564 290 5 00000(s)] 1605z Weak QRN2 QSB2 29/08[176 00000] Poor audio	Spectre Spectre HJH	MON MON MON
9260kHz0610z	12/08[196 00000(s)] 0614z Strong	Danix	FRI
9655kHz0940z	12/08[516 498 7 41914]	FN	FRI
9790kHz0620z	12/08[196 00000(s)] 0624z Strong	Danix	FRI
10120kHz0840z	03/08[328 961 5 72635 45362 78463 28910 98765] Fair	Hans	WED
10170kHz1900z 1900z 1900z 1900z 1900z	03/08[371 820 5 65022 45854 76496 58867 42841 820 5 00000(s)] 1905z Fair QRN2 QSB2 10/08[371 820 5 65022 45854 76496 58867 42841 820 5 00000(s)] 1905z Weak QRN3 QSB2 17/08[371 409 5 85555 53552 13444 65280 21966 409 5 00000(s)] 1905z Fair QRN2 QSB2 24/08[371 409 409 5 5 85555 53552 13444 65280 21966 409 409 5 5 00000] 31/08[371 00000(s)] 1904z Fair QRN2 QSB2	Spectre Spectre, FN Spectre GD, HJH Spectre	WED WED WED WED WED
10230kHz1200z 1200z	08/08[831 970 5 87646 34736 42728 21809 92365 970 5 00000(s)] 1205z Very Weak QRN2 QSB2 15/08[831 259 6 91827 65740 78129 35266 23230 00987 259 6 00000(s)] 1205z Weak QRN2 QSB2	Spectre Spectre, Hans	MON MON
10250kHz0630z	12/08[196 00000(s)] 0634z Strong	Danix	FRI
10290kHz 0930z	12/08[516 498 7 41914]	FN	FRI
10415kHz0610z	19/08[934 205 6 46144 33552 75217 08791 51545 97481] Strong	Hans	FRI
11025kHz0640z	19/08[196 00000] Fair	Hans	FRI
12155kHz1200z 1200z	04/08[425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00000(s)] 1206z Fair QRN2 11/08[425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00000(s)] 1206z Fair QRN2 QSB2	Spectre Spectre, FN	THU THU
12165kHz1210z 1210z	08/08[831 970 5 87646 34736 42728 21809 92365 970 5 00000(s)] 1215z Weak QRN3 QSB2 15/08[831 259 6 91827 65740 78129 35266 23230 00987] Fair	Spectre Han, Spectre	MON MON
12235kHz0650z	19/08[196 00000] Strong	Hans	FRI
12935kHz 0810z	16/08[352 470 6 20163 29076 57605 44562 52563 12076 470 6 00000(s)] 0815z Fair QRN2 QSB2	Spectre	TUE
12952kHz0900z 0900z 0900z	04/08[167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 950 8 00000(s)] 0907z Fair QRN2 11/08[167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 950 8 00000]0907z Fair QRN2QSB2 18/08[167 493 5 65351 23435 65646 29319 44564 493 5 00000(s)] 0905z Fair QRN2	Spectre, Hans Spectre, FN Spectre, H-FD	THU THU THU
13565kHz0910z 0910z 0910z	04/08[167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 950 8 00000(s)] 0917z Fair QRN2 11/08[167 950 8 99228 77544 04816 56447 51269 03176 58842 55499 950 8 00000] 0917z Fair QRN2 QSB2 18/08[167 493 5 65351 23435 65646 29319 44564 493 5 00000(s)] 0915z Fair QRN2	Spectre Spectre, FN Spectre, H-FD	THU THU THU
14373kHz0800z	16/08[352 470 6 20163 29076 57605 44562 52563 12076 470 6 00000(s)] 0805z Fair QRN2 QSB2	Spectre	TUE
14535kHz1210z 1210z	04/08[425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00000(s)] 1216z Fair QRN2 11/08[425 986 7 25357 01898 73214 42277 76294 37536 55995 986 7 00000(s)] 1216z Fair QRN2 QSB2	Spectre Spectre, FN	THU THU
14580kHz1000z 1000z 1000z 1000z	10/08[729 851 6 87649 81322 28607 16078 04475 58561 851 6 00000(s)] 1005z Weak QRN2 QSB2 17/08[729 480 5 59072 58615 16074 95054 75427 480 5 00000(s)] 1005z Fair QRN2 QSB2 24/08[729 480 5 59072 58615 16074 95054 75427 480 5 00000(s)] 1005z Fair QRN2 QSB2 31/08[729 00000(s)] 1004z Fair QRN2 QSB2	Spectre, FN Spectre Spectre Spectre	WED WED WED WED

16020kHz1010z	10/08[729 851 6 87649 81322 28607 16078 04475 58561 851 6 00000(s)]	1015z Weak QRN2 QSB2	Spectre, FN	WED
1010z	17/08[729 480 5 59072 58615 16074 95054 75427 480 5 00000(s)]	1015z Fair QRN2 QSB2	Spectre	WED
1010z	24/08[729 480 5 59072 58615 16074 95054 75427 480 5 00000(s)]	1015z Fair QRN2 QSB2	Spectre	WED
1009z	31/08[729 00000(s)]	1013z Fair QRN2 QSB2	Spectre	WED

PoS's logs:

Saturday 1600 or 1605 UTC Schedule:-

25-June-11:- 1605 UTC, 6,983 kHz, "134 134 134 00000", weak signal, slightly stronger by finish at 1609z.

2-July-11:- 1605 UTC, 6,983 kHz, "134 134 134 00000", weak signal.

6-Aug-11:- 1605 UTC, 6,983 kHz, "134 134 134 00000", weak but clear signal.

13-Aug-11:- 1605 UTC, 6,983 kHz, "134 134 134 00000", stronger than usual.

20-Aug-11:- 1600 UTC, 8,157 kHz, on the hour start for a change, "134 134 134 00000". Strength S6 to S7, "XJT" on close frequency.

27-Aug-11:- 1600 UTC, 8,157 kHz, "134 134 134 00000".

Saturday 1930 or 1935 UTC Schedule:-

2-July-11:- 1930 UTC, 7,718 kHz, "366 366 366 00000", S9+, very strong signal.

9-July-11:- 1935 UTC, 6,922 kHz, alternative time and frequency, "366 366 366 00000", much weaker than last time.

16-July-11:- 1930 UTC, 7,718 kHz, "366 366 366 00000".

6-Aug-11:- 1935 UTC, 6,922 kHz, "366 366 366 00000", S6 to S7.

20-Aug-11:- 1930 UTC, 7,718 kHz, "366 366 366 00000". Unusually weak signal, much weaker than the other S06 transmissions at 1900 and 2000 UTC, see below.

27-Aug-11:- 1935 UTC, 6,922 kHz, "366 366 366 00000".

Saturday 1900 + 2000 UTC Schedule:-

2-July-11:- 1900 UTC, 10,178 kHz, "703 703 703 00000", strong signal.  
2000 UTC, 9,065 kHz, second sending, slightly weaker signal.

16-July-11:- 1900 UTC, 10,178 kHz, "703 703 703 00000", strong signal, tone up on 10,178 at 1849z, single "703" in *Ruski* shortly afterwards.  
2000 UTC, 9,065 kHz, second sending.

6-Aug-11:- 1900 UTC, 10,178 kHz, "703 703 703 00000", S9+ signal.  
2000 UTC, 9,065 kHz, second sending, also S9+.

20-Aug-11:- 1900 UTC, 10,178 kHz, "703 703 703 00000".  
2000 UTC, 7,718 kHz, second sending, both transmissions S9 to S9+ signals.

Monday + Thursday 1900 or 1905 UTC Schedule:-

7-July-11, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", strong signal.

11-July-11, Monday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", very strong, S9+ signal.

14-July-11, Thursday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", usual strong signal.

28-July-11, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000".

1-Aug-11, Monday:- 1900 UTC, 7,987 kHz, not the usual 7,982, "349 349 349 00000", S9+ signal.

11-Aug-11, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", strong signal

15-Aug-11, Monday:- 1905 UTC, 6,984 kHz, "349 349 349 00000".

Wednesday 1800 or 1805 UTC Schedule:-

6-July-11:- 1800 UTC, 6,770 kHz, "471 471 471 00000", weak signal.

13-July-11:- 1800 UTC, 6,770 kHz, "471 471 471 00000".

17-Aug-11:- 1805 UTC, 5,870 kHz, "471 471 471 00000".

24-Aug-11:- 1800 UTC, 6,770 kHz, "471 471 471 00000", stronger signal than on previous occasions.

Second + Fourth Mondays in the Month 2015 + 2115 UTC Schedule:-

11-July-11:- 2015 UTC, 14,385 kHz, "764 764 764 00000", strength S5 to S6 with deep QSB. Not found until approx. two minutes into the transmission.

2115 UTC, 12,205 kHz, second sending, weak but clear, carrier noted on 12,205 just before 2100z. Frequencies in July last year were 12,210 + 10,425 kHz with call "346".

8-Aug-11:- 2115 UTC, 11,140 kHz, "433 433 433 00000", S5 at best but clear copy, no QRM. Unable to find the first sending at 2015 UTC, presumably would have been between one and two megahertz higher in frequency but nothing heard. No problem in finding this 2115z transmission, carrier on 11,140 noted approx. 2110z. Frequencies in August last year were 10,380 + 8,115 kHz with call "723".

22-Aug-11:- 2015 UTC, 13,545 kHz, "433 433 433 00000". The elusive first sending, I think last time I did not search high enough in frequency. 2115 UTC, 11,140 kHz, second sending.

**S11a[III]**

**July/August log:**

4909kHz	1355z	17/07[254/00] 1358z Very strong	Danix	SUN
	1355z	14/08[25?/32 (call missed) 09989 ... ?4782] 1405z Strong w/distorted audio	Danix	SUN
5815kHz	1020z	16/07[221/00] 1023z Weak QRN2	Spectre, Danix	SAT
	1020z	30/07[221/00] 1023z Strong	Danix	SAT
	1020z	10/08[222/34 V 03910 29350 08390 44157 18530 ... 19827] 1031z Strong	Danix	WED
	1020z	24/08[221/00] 1023z Very strong	Danix	WED
8530kHz	0914z	15/07[484/00] Fair	Hans	FRI
	0915z	22/07[484/00] Weak	Hans	FRI
	0915z	09/08[484/00] Weak	RNGB	TUE
	0915z	12/08[484/00]	RNGB	FRI
	0915z	16/08[480/34 26834 46646 06682 0778162291.....03058] Good	RNGB, Hans, Spectre	TUE
	0915z	23/08[484/00] 0918z Weak QRN2 QSB2	Spectre	TUE
	0915z	26/08[484/00]	RNGB	FRI
	0915z	30/08[484/00] 0918z Weak QRN2	Spectre	TUE
9610kHz	1045z	19/07[469/00]	RNGB	TUE
11581kHz	1020z	15/07[426/00] Fair	Hans	FRI
	1020z	19/07[426/00]	RNGB	TUE
	1020z	22/07[426/00] Weak	Hans	FRI
	1020z	02/08[426/00] 1023z Weak QRN2 QSB2	Spectre	TUE
	1020z	05/08[426/00] YL, AE, Strong	Alex	FRI
	1020z	12/08[422/32 13284 53057 53993 87529 55524.....18846]	RNGB	FRI
	1020z	16/08[426/00] Good	RNGB, Hans,Spectre	TUE
16530kHz	1015z	11/07[475/00] 1018z Weak QRN2 QSB2	Spectre	MON
	1015z	18/07[475/00] Weak	RNGB	MON
	1015z	25/07[475/00] 1018z Fair QRN2 QSB2	Spectre	MON
	1015z	04/08[475/00] YL, AE, Strong	Alex	THU
	1015z	11/08[475/00]	RNGB, Spectre	THU
	1015z	15/08[475/message] 1026z Fair QRN2 QSB3	Spectre	MON
	1015z	18/08[475/message] Weak QRN2 QSB2	Spectre	THU
	1015z	22/08[475/00]	Danix	MON
	1015z	25/08[475/00]	RNGB	THU
	1020z	30/08[426/00] 1023z Very Weak QRN2 QSB3	Spectre	TUE

**S21 [XIV]**

**July:**

4973kHz	1742z	14/07[973...] Strong, very weak audio. //5373 (no audio at all)	Hans	THU
	1742z	19/07[Difficult to read due to very weak signal] Very weak BCQRM3	Spectre	TUE
5373kHz	1742z	19/07[Difficult to read due to very weak signal] Very weak QRN2	Spectre	TUE
	1742z	28/07[973 731 30 32887 ... 55545 731 30 000] 1752z Weak QRN2 QSB2 Spectre THU		
		973 731 30 32887 61556 93874 40257 10738 49812 45102 61401 78279 86084 03749 87527 44243 96492 13335 80117 88538 38438 61723 85580 96010 59042 38651 79287 09346 07396 53733 13860 77570 55545 731 30 000		

**August:**

4973kHz	1742z	16/08[973 971 30 61941 45660 .... 82257] 1754z Strong //5373	Hans	TUE
5373kHz	1742z	16/08[973 971 30 61941 45660 .... 82257] 1754z Strong //4973	Hans	TUE

**S28**

Recent messages are (all copied via stream in Estonia):

4625kHz	0815z	06/07[MDZhB (x2) TRITON 641 646 (unusual format!) R2] 0816z Good	Danix-EST	WED
4625kHz	1240z	07/07[MDZhB (x2) 87754 AKMIT 9577 5683 R2] 1242z Good	Danix-EST	THU
4625kHz	1255z	07/07[MDZhB (x2) 30346 SKLONNYJ 3100 6016 R2] 1257z Good	Danix-EST	THU

Note S28 is currently off. Only carrier can be received here at the moment (2113z 10/07) XJTQRM2. Danix SUN

**S30**

3756kHz	1759z	09/07[DIya CIHE Zh1TP M1CE 8N8Zh Ye7PM KZI' 8MCO TUZP 5J3Shch DMC3 Kak slyshno, priyom] 1801z Strong HAMQRM3	Danix	SAT
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**S32**

5473kHz	1631z	25/07[DIya Shchuka26, Podpor89, kak slyshno, kak slyshno, priyom] 1632z Fair	Danix	MON
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**V02a [XVIII]****PoSW looks at the ‘Spanish Lady’ from Great Britain’s point of view, then onto others’ logs:**

The Señorita from Havana has been a very weak signal throughout the summer months, largely unreadable and only just detectable, coupled with the fact that the 0700 UTC transmission is on at 8 am UK time so those of us who have to work for a living only have the opportunity to check this one out at weekends. Signals became noticeably stronger in August.

6-Aug-11, Saturday:- 0700 UTC, 5,883 kHz, “Atencion, 51442 46871 22251”. Weak, reasonably clear signal. Best copy from the 8 am V02a for several weeks. I think the problem may have been low level of modulation as well as a weak signal; if the mod is 100%, or close to, an amplitude modulated signal can be copied even if the overall signal is weak.

13-Aug-11, Saturday:- 0700 UTC, 5,883 kHz, “Atencion, 66451 88711 68231”. Signal strength S7, good modulation, best reception for a long time. 0800 UTC, 5,898 kHz, plain carrier only until well after 0802z although a short burst of data heard after 0801z, voice came up suddenly with “.....88711 68231” then repeated “66451” repeated five times and into 5F groups, looks like the same message as heard earlier. First time the 0800z, 9 am BST sending has been readable for a while.

14-Aug-11, Sunday:- 0700 UTC, 5,883 kHz, started approx. 10 seconds before the hour, “Atencion, 54411 11722 74512”, signal strength S6 to S7. 0800 UTC, 5,898 kHz, as yesterday plain carrier only for a while, voice came up just after 0801z with “54411 11722 74512”, as earlier.

20-Aug-11, Saturday:- 0700 UTC, 5,883 kHz, “Atencion, 87121 86181 70722”. 0801 UTC, 5,898 kHz - plain carrier until well after a minute past the hour although there was a burst of some kind of data for a couple of seconds, then “87121 86181 70722”, as earlier.

21-Aug-11, Sunday:- 0700 UTC, 5,883 kHz, “Atencion, 37601 18782 20022”, S7 to S8.

28-Aug-11, Sunday:- 0700 UTC, 5,883 kHz, “Atencion, 39461 85232 56721”, a reasonable S7 carrier but audio low in relation.

29-Aug-11, Monday:- 0700 UTC, 5,883 kHz, plain carrier only, no voice heard, listened until 0707z. Some kind of data for a short while and again at 0705z for about 30 seconds. However, on checking again at 0732z voice was up with good modulation, strength S7 to S8. 0800 UTC, 5,898 kHz, “Atencion, 71261 34351 25752”. Much weaker than the 0700z sending.

Others’ logs:

**June [missed copy date]**

5800kHz0700z	27/06[A57412 24701 02661] strong, expected 5883	gil	MON
5883kHz0715z	27/06[i/p] strong, switched from 5800; off at 0718z, back on 0721z	gil	MON
0719z	28/06[i/p] strong	gil	TUE
0700z	30/06[A58661 32801 36532] strong	gil	THU
5898kHz0803z	27/06[i/p] strong	gil	MON
0800z	30/06[A58661 32801 36532] strong, started with SK01	gil	THU
12180kHz1926z	30/06[] weak, caught late	gil	THU
13380kHz2023z	30/06[] weak	gil	THU

**July:**

5883kHz0700z	01/07[A48001 23501 47051]		
	Messages 23501 and 47051 interrupted by cw’s transmission. After sent msg 23062 (LG 35457) instead msg 47051.	DanAr,gil	FRI
0700z	02/07[A24842 48672 40821 LG 37086]	DanAr	SAT
0700z	03/07[A17732 18411 56342 LG 87040]	DanAr	SUN
0705z	04/07[i/p] weak, caught late	gil	MON
0812z	05/07[i/p] weak, caught late expected 5898 stopped at 0815z	gil	TUE
0700z	07/07[A77451 72522 38662] strong gil THU		
0717z	08/07[i/p] strong gil FRI caught late		
0700z	10/07[A28281 37332 58721] strong gil SUN		
0700z	14/07[A84301 67372 87752] strong gil THU		
0700z	16/07[A26012 51062 71442] Strong		
0700z	24/07 just audible above QRM, not copyable	SC	SAT
0700z	25/07[A08082 78731 35861] fair	PLdn	SUN
0700z	28/07[A62102 74621 02622 LG 05128]	gil	MON
0700z	29/07[A11632 48681 54042 LG 36232]	DanAr, gil	THU
		DanAr	FRI
5898kHz0800z	07/07[A77451 72522 38662] strong	gil	THU
0800z	10/07[A28281 37332 58721] strong	gil	SUN
0800z	16/07[A26012 51062 71442] Strong	SC	SAT
0802z	25/07[A08082 78731 35861] fair	gil	MON
0801z	28/07[A62102 74621 02622] fair	gil	THU
6768kHz0422z	11/07[i/p] fair, TX prob	gil	MON
0106z	29/07[i/p] fair	gil	FRI
6785kHz1900z	07/07 I/P XMTR ON AT 1203 I/P QRM4	SC	THU
1900z	21/07 I/P Late, strong and not copyable	SC	THU
1900z	28/07 UN READABLE STRONG	SC	THU

6855kHz0300z	11/07[...] fair TX prob could not copy headers	gil	MON
7554kHz2030z 2000z	07/07[i/p] weak caught late expected M08a 28/07 UN READABLE STRONG	gil, SC SC	THU THU
8186kHz0800z	02/07[A24842 48672 40821]	dj, gil	SAT
9040kHz0900z 0900z	13/07[A22021 46652 87862] Good sig. 20/07[A33871 83681 30721]	dj dj	WED WED
9063kHz0905z	27/07[i/p] fair, expected sk01	gil	WED
9240kHz1000z 1000z	13/07[A22021 46652 87862] Weak 20/07[A33871 83681 30721]	dj dj	WED WED
12180kHz1900z	19/07 UN-COPYABLE WEAK MCW UNDER	SC	TUE
13380kHz2000z 2000z 2000z 2000z	14/07 ..... Not only lousy audio but MCW mixed in 19/07 ..... unreadable 19/07 UN-COPYABLE MCW UNDER WITH 7554kHz MSG RPT 21/07 I/P Distorted, Strong	dj dj SC SC, gil	THU TUE TUE THU

**August:**

5117kHz0403z 0402z	01/08[41532 . . ] fair, LSB 08/08[A12622 . . ] fair	gil gil	MON MON
5417kHz0202z	05/08[i/p] vweak gil FRI		
5800kHz0325z	01/08[i/p] strong, not listed in current sked	gil	MON
5883kHz0700z 0700z 0700z 0700z	11/08[A34231 53362 17121] strong 15/08[A70762 51451 01871] Fair QSB3 19/08[A80442 10401 28632] Fair QSB3 21/08[A37601 18782 20022] weak signal	gil Hans, D Hans DanAr	THU MON FRI SUN
5898kHz0800z 0803z	01/08[A66662 66401 13531] strong, stopped at 0805z then sk01 then v02a restarted 0806z 15/08[A60632 51451 01861]	gil D	MON MON
6768kHz0402z	08/08[A8?701 11721 20622 ] fair	gil	MON
6855kHz0300z	01/08[A72171 71311 78072] weak XMTR prob	gil	MON
6785kHz1900z	04/08 NO COPY DISTORTED STRONG	SC	THU
7554kHz2000z	04/08 NO COPY DISTORTED STRONG	SC, gil	THU
12180kHz1900z 1900z	09/08 I/P STRONG 30/08 distorted, no copy strong	SC SC	MON TUE
13380kHz2022z 2000z 2000z 2021z 2000z	05/07[i/p] weak, caught late 09/08 I/P STRONG, DISTORTED AM AS USUAL 11/08 UN-COPYABLE DISTORTED WEAK 28/07[i/p] fair, caught late 30/08 distorted no copy fair	gil SC SC gil SC	TUE MON THU TUE TUE

**V07 [ IB ]**

Freq list vs month from AnonUK:

January	0600 10879	0620 12179	0640 13479 814
February	0600 13366	0620 14866	0640 16266 382
March	0600 14387	0620 16087	0640 17487 304
April	0600 14387	0620 16087	0640 17487 304
May	0600 14621	0620 16321	0640 17521 635
June	0600 14621	0620 16321	0640 17521 635
July	0600 13837	0620 14937	0640 16697 896
August	0600 13837	0620 14937	0640 16697 896
Sept	0600 13381	0620 14781	0640 16281 372
October	0600 14521	0620 15821	0640 17421 584
November	0600 12152	0620 13552	0640 14952 159
December	0600 9272	0620 10672	0640 12172 261 [Tnx AnonUK]

**V07 questions / report**

I note that V07 was regularly reported several years ago, but has only been reported a few times in the past 4 or so years. Most of the reports have been from Europe. Was an idea of general location ever been established? The use of Spanish might bias ideas towards Cuba, but I see no real mention of location in any of the past NLs I perused. The reason I ask is that V07 has been received several times recently on the west coast of the USA. In particular, a listener near San Francisco has received it at least twice in the last 2 months (May 8, 2011, 0520z, 12182 kHz USB, and June 26, 2011, 0720z, 11182 kHz USB) and here in the Mojave Desert I received it once two months ago (May 15, 2011, 0520z, 12182 kHz USB), and the signal strength in all three cases was very strong.

I would have reported it here earlier, but I just sorted through a bunch of SDR recordings and found it yesterday. I did not realize I had received it until then.

Audio recording here:

[http://www.token.hpathome.net/SharedFiles/AudTfer/V07\\_12182\\_USB\\_2011\\_05\\_15\\_0520.mp3](http://www.token.hpathome.net/SharedFiles/AudTfer/V07_12182_USB_2011_05_15_0520.mp3)

and video on YouTube here:

<http://www.youtube.com/watch?v=QFc2BibYgPU>

From May:

12182kHz0520z 15/05 USB, YL, strong signal

From T:

12182 kHz, USB, Sun 10/07/2011, 0720 UTC, "512"  
12182 kHz, USB, Sun 17/07/2011, 0720 UTC, "512"  
12182 kHz, USB, Sun 24/07/2011, 0720 UTC, "512"  
10282 kHz, USB, Sun 24/07/2011, 0740 UTC, "512"  
13582 kHz, USB, Sun 31/07/2011, 0700 UTC, "512"  
12182 kHz, USB, Sun 31/07/2011, 0720 UTC, "512"

And some comments:

A few questions and comments about the station that has been being reported as V07 in the past few months.

Keep in mind that I never heard V07 until just a few months ago, so I do not have first hand knowledge to compare today's with yesteryear's transmissions. But it seems like there are some discrepancies between the V07 being heard today and say the one being heard in 2004.

To be sure, the language, voice, and the format of the transmissions are the same, at least it seems so to me from descriptions and the one recording I could find of a previous V07. The format and habits, as described in the ECL, are rather like E07 and S07, but in Spanish, so I have always assumed some kind of connection between those stations. And the "old" descriptions of V07 match this closely. However, I am seeing some oddities in habits as the station is being seen today.

Let me see if I can describe the changes in habits that I have noted.

As I said, language, voice, and format are consistent for both. But many other aspects seem to have changed.

The old reports and the ECL describe the station as AM, and the current station is USB. No big deal there, several stations have changed modes over the years, but it is a delta. Or was it always USB and what I have read is in error?

The old reports showed the station as always starting at a lower frequency and moving up as the hour progressed. For example, the old station might have used 10282 kHz at 0700, 12182 kHz at 0720, and 13582 kHz at 0740. Today it is reversed, it has been starting on 13582 kHz at 0700, 12182 kHz at 0720, and 10282 kHz at 0740.

The old reports showed the station never using the same frequencies for more than 2 months in a row, and often for only one month. The station as reported recently and as I have recorded it has been using the same frequencies for at least the past three months. Only time will tell if it continues to use them.

The old reports seemingly showed it most frequently reported from Europe, and often reported as "strong signal" from Europe. The current recording on the E2k web site, recorded in 2002 from England, would bear this out. Recent reports seem to be mostly from the US west coast. In fact, for the last two weekends I have been monitoring it both using local equipment and using remote receivers.

It has been strong on the US west coast (both California and Washington State), strong on Japanese receivers, fair on Florida based US receivers, at the noise floor or below on receivers in the US north east, below the noise floor and undetectable in Australia, and at the noise floor or undetectable in Europe.

Of 14 receivers tried in Europe only 2 could hear the transmission, and it was not identifiable on those, being right at the noise floor and very weak. The fact that the station was weak into Florida, and that receiver normally does a good job with V02/M08/SK01, might indicate it is not likely to originate from Cuba. The signal level being equal, over S9, in Japan and on the US west coast is interesting to me, especially considering that Japan was in full daylight and the US west coast was many hours into darkness, 0700 UTC being 0000 local time.

Could the source be someplace around the Pacific/Asia/US or Canada west coast?

I am not suggesting that the signal being received today should be reclassified.

I am just asking questions about this station and pointing out possible differences or changes in habits. Are the changes I have pointed out trivial? Or could they possibly be supportive that V07 as it is currently being received might have shifted operations or task masters?

Thanks T

LET'S HAVE SOME THOUGHTS HERE PLEASE READERS

**V13 [0]**

**July:**

02/07

New message group.

9725kHz1200z 02/07 USB V13 CCYL New Star #4. Msg set: 11-07-1. Very poor readability. Weak.  
9725kHz1300z 02/07 USB V13 CCYL New Star #4. Msg set: 11-07-1. Very poor readability. Weak.  
Units: 19089 (41 grps), 13966 (47 grps), 14446 (42 grps), 10431 (46 grps) 16643 (49 grps)

dj SAT  
dj SAT

10/07

New Message Set as of 09/07

9725kHz 0500z 10/07 USB V13 CCYL New Star #4. Msg set: 11-07-2.  
Via GlobalTuners Hong Kong Good sig.  
Units: 12328 (44 grps), 13667 (49 grps), 14957 (46 grps), 14871 (47 grps) 16966 (45 grps)

dj SUN

**V21**

5637kHz1300z 17/08[several counts of 1 to 10 heard] weak signal. Ended at ~ 1310z

Westt1us WED

**V24**

T writes:

I have compiled a new V24 / M94 schedule and it can be found online > [http://home.mchsi.com/~token\\_radio/Sched\\_V3\\_Jul2011.JPG](http://home.mchsi.com/~token_radio/Sched_V3_Jul2011.JPG)  
or viewed below.

**Schedule for V24 and M94 transmission predictions, Version 3.**

The last four remaining M94 time slots are highlighted in **BLUE**. All other time slots are V24 as of this time (August 01, 2011). 4600, 4900, 5115, 5715, 6215, 6330, and 6730kHz are all in use.

Day	1200	1230	1300	1330	1400	1430	1500	1530	1600	1630
1			5715				5115			
2			5715				6215	5115		
3			5715	6330		5715	6215	5115		
4			5715	6330		5715	4900			
5					5115	6730	4900			6730
6			6730		5115	6730			6215	6730
7			6730			4600			6215	
8						4600		4600		
9		6215		6730				4600 or 6330		
10		6215		6730	M94 6330	5715	6215	6330		5115
11					M94 6330	5717	6215	5715		5115
12	5715							5715		5115
13	5715							6730		5115
14	4900							6730		5715
15	4900					6730		4900		5715
16						6730	4900	4900		
17							4900	5115		
18			5715	6330			6215	5115		
19			5715	6330			6215			
20						5715	5115			6730
21						5715	5115	6730	6215	
22						4600		6730	6215	5115
23				6730		4600			6215	
24	5715		5715	6730			4600	6330	6215	
25	5715		5715				4600	6330		
26					M94 6330		6215			
27			6730	4900	M94 6330					5115
28			6730	4900				5715		
29		6215	6215					5715		5715
30										
31										

This schedule is current as of the end of July, 2011, and is made using data primarily from the last three months. V24 / M94 has been a bit less consistent this year, so the schedule actually changes slightly month-to-month, but this is the best data I have at this time. Also, it seems the station is doing a couple of time slots on alternate months, so if you tune to a frequency listed on the schedule and there is no transmission do not assume it has been a change until you confirm it is also not there the next month.

M94 has reduced operations to only 4 transmissions a month, all 4 to the same recipient and on the same frequency, 6330 kHz.

I have not seen any more anomalous transmissions in the XX20/XX40 time slots or before 1200 UTC, as I reported hearing a few months ago.

My assumption is that possibly the station was testing things with those transmissions, but there were quite a few of them for a couple of weeks, so I am still keeping an eye open for more of them.

There are some pretty big holes in the new schedule, and the total number of transmissions per month is down slightly from past operations, so I am searching for new frequencies thinking there might be some unreported times / freqs in use. However, nothing new has been found recently that I am aware of.

T! Mojave Desert, California, USA

**V30**

Comment:

The ENIGMA2000 designator of V30 was assigned as of July 1, 2011, to the Vietnamese numbers station I had been logging as VTN. Unfortunately the station has not been heard since June 30, 2011, but was on essentially daily before that. I have tried remote receivers in the region as well as my own local receivers, and have searched the entire band during the normal 1600 time slot. I have tried other time periods including recording 10255 kHz 24 hours a day. So far no joy. It appears this station might possibly be on another extended hiatus, or has shifted to an as yet unfound frequency.

**POLYTONES**

**XPA2**

**July 2011:**

Sun/Tue

14538kHz2100z	03/07[00216 00065 23078 32530] Strong	(3m00s) Hans	SUN
13538kHz2120z	03/07[00216 00065 23078 32530] Strong	(3m00s) Hans	SUN
12138kHz2140z	03/07[00216 00065 23078 32530] Strong	(3m00s) Hans	SUN
14538kHz2100z	05/07[00216 00065 23087 32530]Very strong	(3m00s) PLdn	TUE
13538kHz2120z	05/07[00216 00065 23087 32530]Very strong	(3m00s) PLdn	TUE
12138kHz2140z	05/07[00216 00065 23087 32530]Very strong	(3m00s) PLdn	TUE
14538kHz2100z	17/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	SUN
13538kHz2120z	17/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	SUN
12138kHz2140z	17/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	SUN
14538kHz 2100z	19/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	TUE
13538kHz 2120z	19/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	TUE
12138kHz 2140z	19/07[00275 00089 11735 47224]Very strong	(3m19s) PLdn	TUE
14538kHz2100z	24/07[09395 00001 00000 10140] Very strong	(2m11s) Danix, PLdn	SUN
13538kHz2120z	24/07[09395 00001 00000 10140] Fair, PULSEQRM2	(2m11s) Danix, PLdn	SUN
12138kHz2140z	24/07[09395 00001 00000 10140] Very strong	(2m11s) PLdn	SUN
14538kHz2100z	26/07[09295 00001 00000 10140] 2102z Very strong	(2m 11s) Danix	TUE
13538kHz2120z	26/07[09295 00001 00000 10140] 2122z Very strong	(2m 11s) Danix	TUE
12138kHz2140z	26/07[09295 00001 00000 10140] 2142z Very strong	(2m 11s) Danix	TUE
14538kHz2100z	31/07[00102 00075 46055 36763]Very strong	(3m09s) PLdn	SUN
13538kHz2120z	31/07[00102 00075 46055 36763]Very strong	(3m09s) PLdn	SUN
12138kHz2140z	31/07[00102 00075 46055 36763]Very strong, localQRM2	(3m09s) PLdn	SUN

Sun/Mon/Tue/Thu

10383kHz0000z	05/07	(3m54s) Hans	TUE
9304kHz0010z	05/07 Part Msg only	(3m54s) Hans	TUE
7711kHz0020z	05/07 Part Msg only	(3m54s) Hans	TUE
7711kHz0020z	10/07[03711 00086 68350 20444] Very strong	(3m16s) PLdn	SUN
10383kHz0000z	18/07[03813 00142 66599 70076]Very strong	(3m59s) PLdn	MON
9304kHz 0010z	18/07[03813 00142 66599 70076]Very strong	(3m59s) PLdn	MON
7711kHz 0020z	18/07[03813 00142 66599 70076]Very strong	(3m59s) PLdn	MON
10383kHz0000z	21/07[07681 00126 77168 40601]Strong	(3m46s) PLdn	THU
9304kHz 0010z	21/07[07681 00126 77168 40601]BCQRM4, tones audible	(3m46s) PLdn	THU
7711kHz 0020z	21/07[07681 00126 77168 40601]Strong	(3m46s) PLdn	THU
7711kHz0020z	29/07[06196 00079 85144 14253]Strong	(3m11s) PLdn	FRI

Sun/Wed/Fri

10383kHz0100z	06/07[02483 00095 98792 65712]	(3m 23s) Hans	WED
9304kHz0110z	06/07[02483 00095 98792 65712]	(3m 23s) Hans	WED
7711kHz0120z	06/07[02483 00095 98792 65712]	(3m 23s) Hans	WED
10383kHz0100z	10/07[03711 00086 68350 20444] Fair, QRM4	(3m16s) PLdn	SUN
9304kHz0110z	10/07 BCQRM5	PLdn	SUN
7711kHz0120z	10/07[03711 00086 68350 20444] Very strong	(3m16s) PLdn	SUN
10383kHz 0100z	17/07[04144 00121 01514 52005] Very strong	(3m43s) PLdn	SUN
9304kHz 0100z	17/07 BCQRM4 <i>pos Radio Cairo</i>		
7711kHz 0120z	17/07[04144 00121 01514 52005] Very strong	(3m43s) PLdn	SUN
10383kHz0100z	22/07[03811 00130 67103 65006] Fair	(3m50s) PLdn	FRI
9304kHz0110z	22/07[03811 00130 67103 65006] BCQRM4 tones audible	(3m50s) PLdn	FRI
7711kHz0120z	22/07 NRH	PLdn	FRI
10383kHz0100z	31/07[03399 00098 06842 50205]Strong, heavy background	(3m25s) PLdn	SUN
9304kHz0110z	31/07[03399 00098 06842 50205]BCQRM4/5	(3m25s) PLdn	SUN
7711kHz0120z	31/07[03399 00098 06842 50205]Very strong	(3m25s) PLdn	SUN

Sun/Mon/Tue/Wed/Thu/Fri

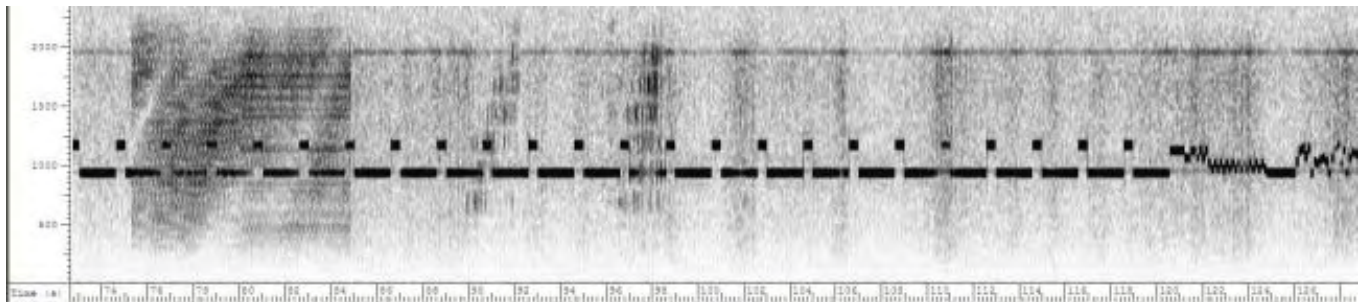
9324kHz0500z	04/07[00095 00108 26742 56677] Very Strong	Hans	MON
8141kHz0510z	04/07[00095 00108 26742 56677] Very Strong	Hans	MON
7381kHz0520z	04/07[00095 00108 26742 56677] Very Strong	Hans	MON

9324kHz0500z	08/07[07408 00083 79608 62660]	Very strong	(3m14s)	PLdn	FRI
8141kHz0510z	08/07[07408 00083 79608 62660]	Very strong	(3m14s)	PLdn	FRI
7381kHz0520z	08/07[07408 00083 79608 62660]	Very strong	(3m14s)	PLdn	FRI
9324kHz0500z	12/07[09243 00088 81628 56625]	Very strong	(3m18s)	PLdn	TUE
8141kHz0510z	12/07[09243 00088 81628 56625]	Very strong	(3m18s)	PLdn	TUE
7381kHz0520z	12/07[09243 00088 81628 56625]	Weak,QRM3	(3m18s)	PLdn	TUE
9324kHz 0500z	20/07[01732 00127 13816 32147]	Fair	(3m49s)	PLdn	WED
8141kHz 0510z	20/07[01732 00127 13816 32147]	Fair	(3m49s)	PLdn	WED
7381kHz 0520z	20/07[01732 00127 13816 32147]	Strong	(3m49s)	PLdn	WED
9324kHz0500z	24/07[05885 00099 07227 41037]	Fair	(3m27s)	PLdn	SUN
8141kHz0510z	24/07[05885 00099 07227 41037]	Fair, QRM2	(3m27s)	PLdn	SUN
7381kHz0520z	24/07[05885 00099 07227 41037]	Fair	(3m27s)	PLdn	SUN
8141kHz0510z	28/07[02892 00119 73205 71424]	Fair	(3m43s)	PLdn	THU
Tue/Thu					
10261kHz1930z	05/07[02781 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
9261kHz 1950z	05/07[02781 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
7961kHz 2010z	05/07[02781 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
10261kHz1930z	07/07[02781 00001 00000 10140]	Fair	(2m11s)	Hans	THU
9261kHz 1950z	07/07[02781 00001 00000 10140]	Fair	(2m11s)	Hans	THU
7961kHz 2010z	07/07[02781 00001 00000 10140]	Fair	(2m11s)	Hans	THU
10261kHz 1930z	12/07[02137 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
		Intercept in Berlin			
10261kHz 1930z	14/07[05267 00001 00000 10140]	Strong	(2m11s)	PLdn	TUE
		Intercept in Berlin			
10261kHz1930z	19/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
9261kHz1950z	19/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
7961kHz2010z	19/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
10261kHz 1930z	21/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
9261kHz 1950z	21/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
7961kHz 2010z	21/07[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
10261kHz1930z	26/07[00120 00170 66613 ... 21167]	1934z Very strong	(4m 29s)	Danix	TUE
9261kHz1950z	26/07[00120 00170 66613 ... 21167]	1954z Strong QSB2	(4m 29s)	Danix	TUE
7961kHz2010z	26/07[00120 00170 66613 ... 21167]	2014z Strong QSB3	(4m 29s)	Danix	TUE
9261kHz1950z	28/07[00251 00181 44415 32257]	Strong	(4m29s)	PLdn	THU
Thu/Fri					
12216kHz2142z	01/07 [ip] 2142z			Weak Spectre	FRI
14476kHz2103z	07/07 Just ending good signal S7			GN	THU
14475kHz2102z	28/07[i/p] 2103z Very strong, presumed start 2100z			Danix	THU
13360kHz2110z	28/07[02892 00119 73225 ... 71323]	2113z Very strong		Danix	THU
12213kHz2120z	28/08[02892 00119 73225 ... 71323]	2123z Very strong		Danix	THU
Thu/Fri					
12215kHz2120z	07/07[01968 00095 46455 86905]			DanAr	THU
kHz2100z	08/07 Not reported				FRI
13362kHz 2110z	08/07[06407 00072 79607 61660]	Strong signal,QSB. Unsure Msg values		Danix	FRI
12215kHz2210z	17/07[05155 00121 01515 62005]			DanAr	SUN
13361kHz2210z	21/07[07681 00126 77168 40601]	Strong	(3m46s)	PLdn	THU
12214kHz2220z	21/07[07681 00126 77168 40601]	Strong	(3m46s)	PLdn	THU
13361kHz2210z	29/07[06196 00079 85144 14253]	Very strong	(3m11s)	PLdn	FRI
12214kHz2220z	29/07[06196 00079 85144 14253]	Very strong	(3m11s)	PLdn	FRI
Fri/Sat					
15967kHz2100z	16/07[03486 00001 00000 10140]			RNGB	SAT
13884kHz2120z	16/07[03486 00001 00000 10140]			RNGB	SAT
12217kHz2140z	16/07[03486 00001 00000 10140]			RNGB	SAT
15967kHz2100z	22/07[00199 00065 54885 43454]	V strong signal	(2m44s)	GN	FRI
12218kHz2140z	22/07[00199 00065 54885 43455]			DanAr	FRI

15967kHz2100z	23/07[00199 00065 54885 43455]	Fair, QRM2	(2m49s)	PLdn	SUN
13884kHz2120z	23/07[00199 00065 54885 43455]	Very strong	(2m49s)	PLdn	SUN
12217kHz2140z	23/07[00199 00065 54885 43455]	Very strong	(2m49s)	PLdn	SUN
Lead in tones duration reduced by 10s					
12218kHz2140z	30/07[03486 00001 00000 10140]			DanAr	SAT
-idem 16/07- before transmission sent some start pulses (test tx?)					
And a rare occasion with XPA2, a two message format from Danix:					
9345kHz1340z	11/07[03094 00081 15190 ... 67074 00000 00000 08692 00088 92476 ... 32263]	1344z Very strong		Danix	MON
<b>August 2011</b>					
Mon/Wed					
2000z	08/08				
13386kHz2010z	08/08[01152 00121 25275.....20033]	Very strong		RNGB	MON
12178kHz2000z	08/08[01152 00121 25275.....20033]	Very strong		RNGB	MON
2000z	10/08				
13386kHz2010z	10/08[09536 00144 15463 05164]	Fair, QRM2	(4m01s)	PLdn, RNGB	WED
12178kHz2020z	10/08[09536 00144 15463 05164]	Fair	(4m01s)	PLdn, RNGB	WED
2000z	15/08				
13386kHz2010z	15/08[06435 00111 66783 16132]	Very strong	(3m37s)	PLdn	MON
12178kHz2020z	15/08[06435 00111 66783 16132]	Very strong	(3m37s)	PLdn	MON
2000z	17/08				
13386kHz 2010z	17/08[04121 00113 00162 63460]	Strong	(3m38s)	PLdn	WED
12178kHz 2020z	17/08[04121 00113 00162 63460]	Very strong	(3m38s)	PLdn	WED
2000z	22/08				
13386kHz2010z	22/08[04735 00105 98316 50425]	Strong	(3m31s)	PLdn	MON
12178kHz2020z	22/08[04735 00105 98316 50425]	Very strong	(3m31s)	PLdn	MON
14351kHz2000z	24/08[07558 00075 42078 24627]	Very strong	(3m08s)	RNGB, PLdn	WED
13386kHz2010z	24/08[07558 00075 42078 24627]	Very strong	(3m08s)	PLdn	WED
12178kHz2020z	24/08[07558 00075 42078 24627]	Very strong	(3m08s)	PLdn	WED
14351kHz2000z	29/08[08215 00098 46701 56515]	Very strong	(3m27s)	PLdn	MON
13386kHz2010z	29/08[08215 00098 46701 56515]	Very strong	(3m27s)	PLdn	MON
12178kHz2020z	29/08[08215 00098 46701 56515]	Very strong	(3m27s)	PLdn	MON
Tue/Thu					
9369kHz1930z	02/07[05267 00001 00000 10140]	Very strong	(4m14s)	Hans	TUE
8069kHz1950z	02/07[05267 00001 00000 10140]	Very strong	(4m14s)	PLdn	TUE
7469kHz2010z	02/07[05267 00001 00000 10140]	Very strong	(4m14s)	PLdn	TUE
9369kHz1930z	04/08[05267 00001 00000 10140]	Very strong	(4m14s)	PLdn	THU
8069kHz1950z	04/08[05267 00001 00000 10140]	Very strong	(4m14s)	PLdn	THU
7469kHz2010z	04/08[05267 00001 00000 10140]	Very strong	(4m14s)	PLdn	THU
9369kHz1930z	09/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
8069kHz1950z	09/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
7469kHz2010z	09/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
9369kHz1930z	11/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
8069kHz1950z	11/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
7469kHz2010z	11/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	THU
9369kHz1930z	16/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
8069kHz1950z	16/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
7469kHz2010z	16/08[05267 00001 00000 10140]	Very strong	(2m11s)	Danix, PLdn	TUE
9369kHz1930z	18/08[05267 00001 00000 10140]	Fair/Strong	(2m11s)	PLdn, HFD	THU
8069kHz1950z	18/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn, HFD	THU
7469kHz2010z	18/08[05267 00001 00000 10140]	Very strong, BCQRM2	(2m11s)	PLdn, HFD	THU
9369kHz1930z	23/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	TUE
8069kHz1950z	23/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	TUE
7469kHz2010z	23/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	TUE
9369kHz1930z	25/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	THU
8069kHz1950z	25/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	THU
7469kHz2010z	25/08[00722 00215 18253 05203]	Very strong	(4m56s)	PLdn	THU
9369kHz1930z	30/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
8069kHz1950z	30/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE
7469kHz2010z	30/08[05267 00001 00000 10140]	Very strong	(2m11s)	PLdn	TUE

Tue/Fri

9363kHz0500z	02/08[04970 00099 62991 65770]		Hans	TUE
8192kHz0510z	02/08[04970 00099 62991 65770]Weak ^Fair, QSB2	(3m27s)	Hans, PLdn	TUE
7673kHz0520z	02/08[04970 00099 62991 65770] Fair	(3m27s)	Hans, PLdn	TUE
9363kHz0500z	05/08[06737 00120 27996 41742] Very strong	(3m42s)	PLdn	FRI
8192kHz0510z	05/08[06737 00120 27996 41742] Fair	(3m42s)	PLdn	FRI
7673kHz0520z	05/08[06737 00120 27996 41742] Strong, RFQRM3 in parts	(3m42s)	PLdn	FRI



Shews example of RFQRM3 on sigs copied 7673kHz 0520z 05/08/2011

9363kHz0500z	12/08[01194 00109 34968 63405]Fair	(3m34s)	PLdn	FRI
8192kHz0510z	12/08[01194 00109 34968 63405]Fair	(3m34s)	PLdn	FRI
7673kHz0520z	12/08[01194 00109 34968 63405]Fair	(3m34s)	PLdn	FRI
9363kHz0500z	16/08[01105 00126 56708 44456]Fair	(3m47s)	PLdn	TUE
8192kHz0510z	16/08[01105 00126 56708 44456]Very strong	(3m47s)	PLdn	TUE
7673kHz0520z	16/08[01105 00126 56708 44456]Very strong	(3m47s)	PLdn	TUE
9363kHz0500z	19/08[06585 00131 20182 25764]Strong	(3m51s)	PLdn	FRI
8192kHz0510z	19/08[06585 00131 20182 25764]Weak	(3m51s)	PLdn	FRI
7673kHz0520z	19/08[06585 00131 20182 25764]Strong	(3m51s)	PLdn	FRI
8192kHz0510z	23/0[02552 00120 87241 51425] Very strong, QRN2	(3m43s)	PLdn	TUE
9363kHz0500z	26/08[0395000109 15694 35763] Fair	(3m35s)	PLdn	FRI
8192kHz0510z	26/08[03950 00109 15694 35763] Strong	(3m35s)	PLdn	FRI
7673kHz0520z	26/08[03950 00109 15694 35763] Strong	(3m35s)	PLdn	FRI
9363kHz0500z	30/08[02008 00098 98465 43555]Very strong	(3m22)	PLdn	TUE
8192kHz0510z	30/08[02008 00098 98465 43555]Very strong	(3m22)	PLdn	TUE
7673kHz0520z	30/08[02008 00098 98465 43555]Fair	(3m22)	PLdn	TUE

Wed/Fri

12193kHz2100z	10/08[09536 00144 17463 05164]		RNGB	WED
11032kHz2110z	10/08[09536 00144 17463 05164]		RNGB	WED
10163kHz2120z	10/08[09536 00144 17463 05164]		RNGB	WED
12193kHz2100z	12/08[01194 00109 34968 63405]Strong	(3m34s)	PLdn	FRI
11032kHz2110z	12/08[01194 00109 34968 63405]Fair with background	(3m34s)	PLdn	FRI
10163kHz2120z	12/08[01194 00109 34968 63405]Fair HETQRM3	(3m34s)	PLdn	FRI
12193kHz 2100z	17/08[04121 00113 00162 63460]Strong	(3m37s)	PLdn	WED
11032kHz 2110z	17/08[04121 00113 00162 63460]Very strong	(3m37s)	PLdn	WED
10163kHz 2120z	17/08[04121 00113 00162 63460]Very strong	(3m37s)	PLdn	WED
12193kHz2100z	19/08[06585 00131 20182 25764] Strong	(3m51s)	PLdn	FRI
11032kHz2110z	19/08[06585 00131 20182 25764] Very strong	(3m51s)	PLdn	FRI
10163kHz2120z	19/08[06585 00131 20182 25764] Very strong	(3m51s)	PLdn	FRI
12193kHz2100z	24/08[07558 00075 42078 24627]Very strong	(3m08s)	PLdn	WED
11032kHz2110z	24/08[07558 00075 42078 24627]Very strong	(3m08s)	PLdn	WED
10163kHz2120z	24/08[07558 00075 42078 24627]Very strong	(3m08s)	PLdn	WED
12193kHz2100z	26/08[03950 00109 05694 35763] Very strong, HETQRM2	(3m34s)	PLdn	FRI
11032kHz2110z	26/08[03950 00109 05694 35763] Very strong	(3m34s)	PLdn	FRI
10163kHz2120z	26/08[03950 00109 05694 35763] Very strong	(3m34s)	PLdn	FRI
12193kHz2100z	31/08[06566 00124 15606 23302]Very strong	(3m45s)	PLdn	THU
11032kHz2110z	31/08[06566 00124 15606 23302]Very strong	(3m45s)	PLdn	THU
10163kHz2120z	31/08[06566 00124 15606 23302]Very strong	(3m45s)	PLdn	THU



XPA2 Russian Intelligence MFSK nn search

IMMEDIATE PAST      CURRENT      HISTORICAL      NOT ACTIVE

<u>XPA2</u>	0000	10383
Sun		
Mon	0010	9304
Tue		
Thu	0020	7711

<u>XPA2</u>	0100	10383
Sun	0110	9304
Wed		
Fri	0120	7711

<u>XPA2</u>	0300	10221
Sun		
Mon	0310	9196
Tue		
Wed	0320	7764
Thu		

<u>XPA2</u>	0400	9371
Sun		10221
Mon	0410	8114
Tue		9196
Wed	0420	6921
Thu		7764

<u>XPA2</u>	0500	9324
Tue	0510	8141
Fri		8192
	0520	7381
		7673

<u>XPA2</u>	1800	14873
Sun	1810	14362
Mon		
Tue	1820	13544

<u>XPA2</u>	1900	14873
Tue	1920	14362
	1940	13544
		14828

<u>XPA2</u>	1930	10734
Tue	1950	10134
Thu	2010	9134
		7961
		7673

<u>XPA2</u>	2000	14351
Mon	2010	13386
Wed	2020	12178

<u>XPA2</u>	2100	12193
Wed	2110	11032
Fri	2120	10163

<u>XPA2</u>	2100	14538
Sun	2120	13538
Tue	2140	12138

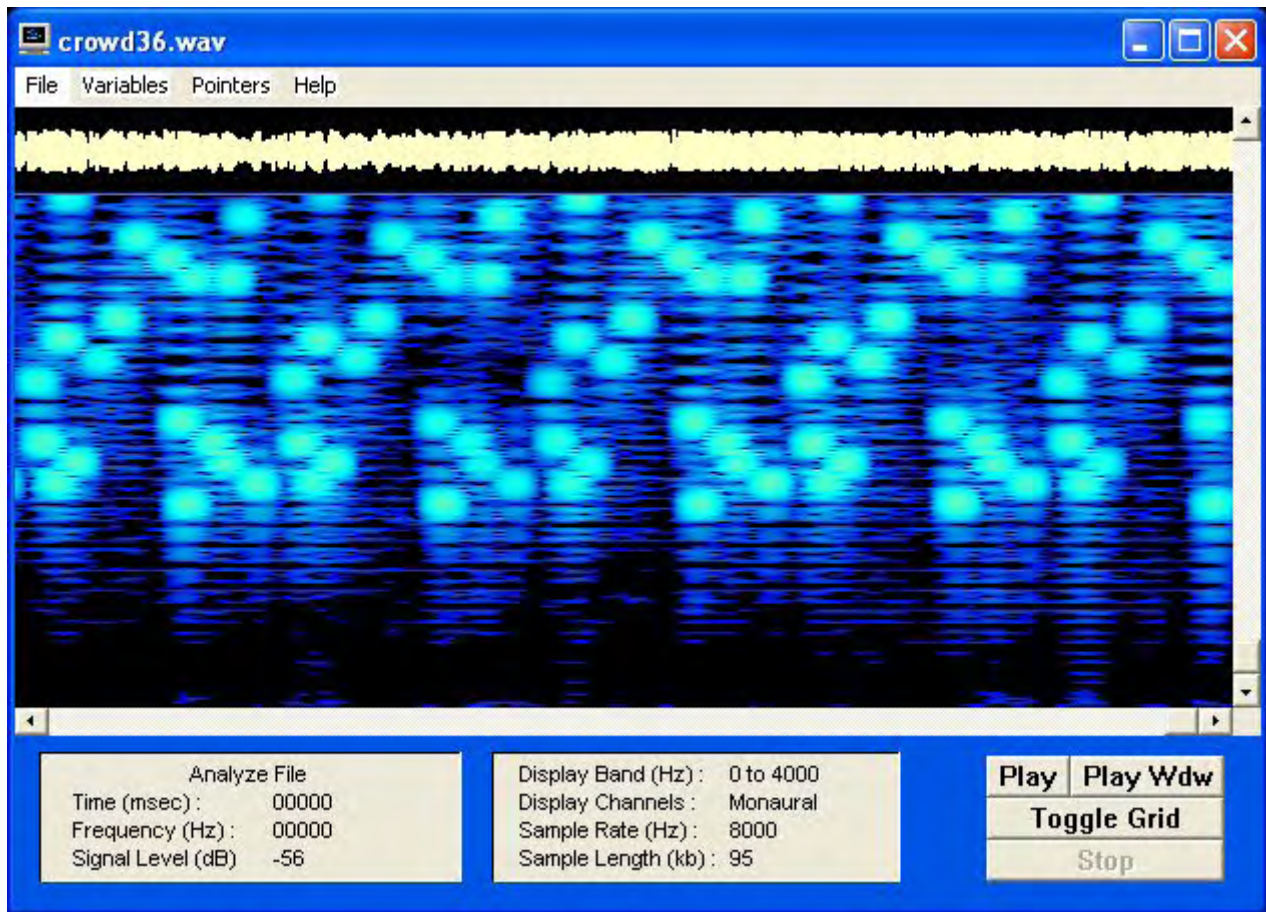
<u>XPA2</u>	2100	15967
Fri	2120	13884
Sat	2140	12217

<u>XPA2</u>	2200	14368
Wed	2210	12212
Thu	2220	13361
		11433
		12214

## Digital, Incursions and Unexplained Signals

In this months column we are going to look a data mode which could well be of interest to E2K readers and announce a new decoder produced especially for the E2K group.

The data mode I thought might interest the group is a Russian one called CROWD36. Its an MFSK (Multiple Frequency Shift Keying) system in which one of 36 possible audio tones is transmitted with 32 of the 36 tones representing an ITA2 character code. The data is usually sent at a speed of 40 baud so each tone lasts for 25 ms although there is a slower 10 baud speed which appears to be used by the operators as a "chat" mode. CROWD36 has a distinctive sound and is easy to recognise when viewed on Spectrogram type software as you can see below ..



(Note the receiver which recorded the transmission shown above was slightly off frequency hence the higher frequency tones aren't quite visible)

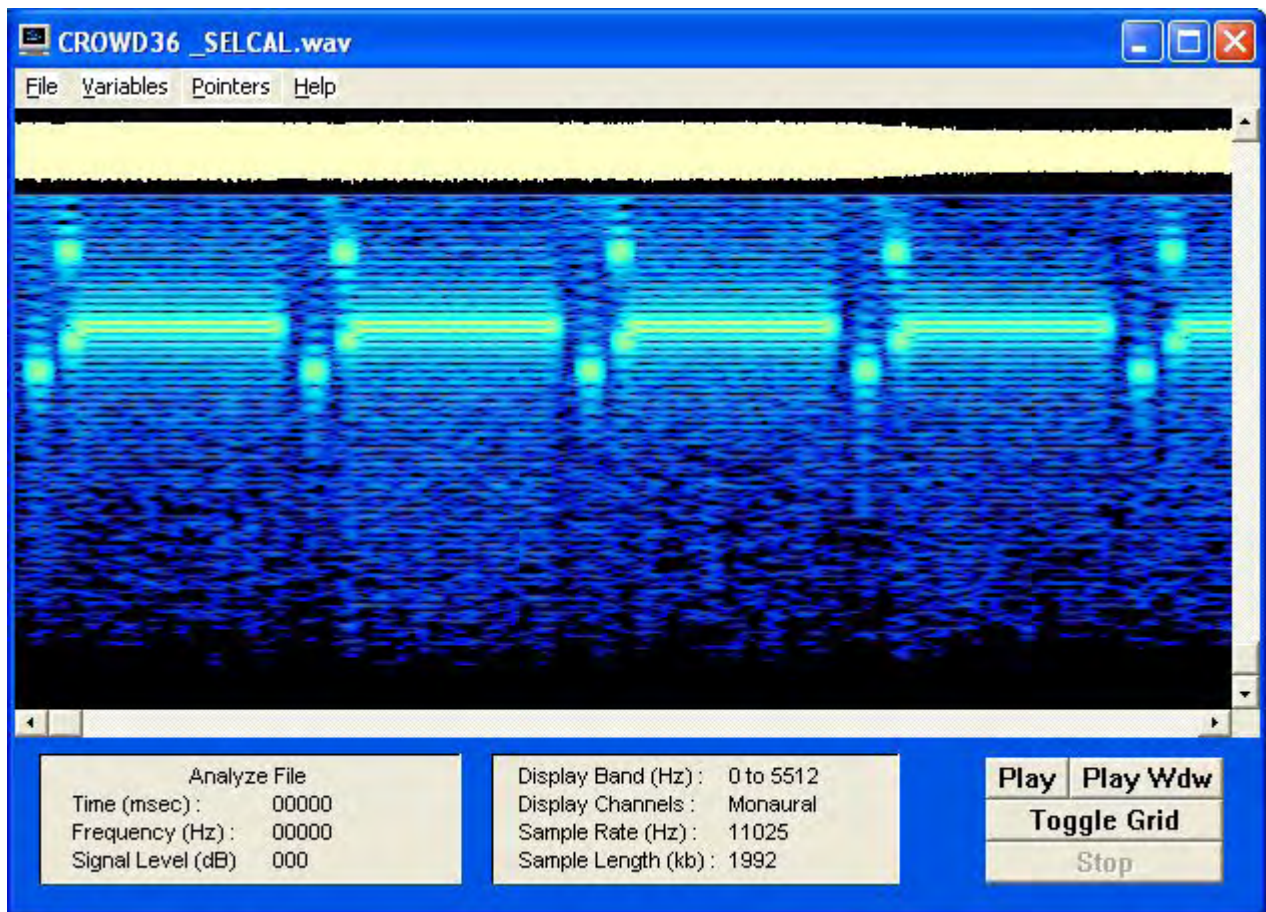
If you haven't heard CROWD36 before then I have put a sample online here so you can listen to it and recognise this mode in the future ..

<http://borg.shef.ac.uk/~ianw/crowd36.wav>

In many ways CROWD36 is similar to a data mode used by the British Diplomatic Wireless Service from the late 1950's called Piccolo which even had a selective calling mode called Picabell which would alert embassy staff to incoming or non scheduled transmissions. CROWD36 also has a selective calling mode which appears to have a similar purpose. Piccolo appears to no longer be in service but its younger brother CROWD36 is still with us. CROWD36 also enjoys a mysterious relationship with the X06 mode which is logged and analysed by members of this group. The exact nature of this relationship is hard to work out in that sometimes an X06 transmission is followed by a CROWD36 frequency on the same frequency or a different one but quite often no CROWD36 follows. Since CROWD36 has its own selective calling mode so X06 must serve some other unknown purpose perhaps its an indicator of the status or type of message that follows in CROWD36.

The selective calling mode seems quite rare and has only so far been logged by Gary between 1258 - 1300 20/07/11 on 14931.50 KHz. You can see a screen shot of this CROWD36 sub mode below ..





I'm sure many of you will be wondering who uses CROWD36. Well like with all stations followed by E2K members it isn't exactly clear cut however its pretty certain the users are Russian government related but beyond that its impossible but my guess would be that it is used for diplomatic , military and possibly intelligence communications. Sadly it appears no one has made a serious study of the traffic carried by CROWD36 but I think members of this group should.

There are several interesting questions to be answered including ..

- 1) Are there different types of CROWD36 traffic that could indicate different users ?
- 2) Can the possible types and levels of CROWD36 activity be linked to levels of activity of other possibly related stations such as XPA and XPA2 ?
- 3) Likewise can any linkage be found between levels of CROWD36 activity and the activity levels of Family I traffic ?
- 4) Is there any link between the X06 message preceding a CROWD36 transmission and the type of traffic sent ?

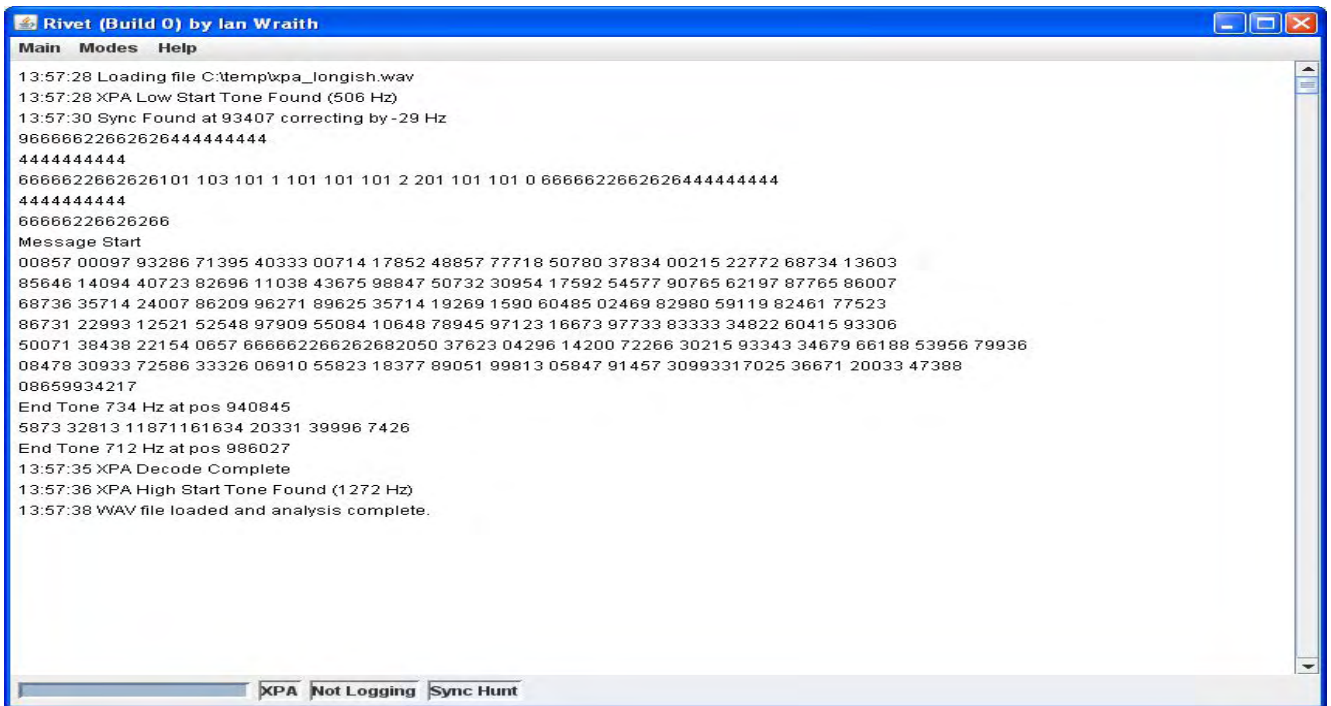
I originally asked the group to keep a listen out for CROWD36 a month or so ago and the X06 monitors have been especially busy monitoring this mode. So far no definite schedules have been discovered but frequencies where CROWD36 traffic has been found on three or more occasions are .

**14650.0 KHz**  
**14655.5 KHz**  
**16150.5 KHz**  
**16223.0 KHz**  
**16344.0 KHz**

I believe one of the reasons that CROWD36 has been ignored by monitors is that the software required to decode its messages is lets say eye watering expensive. To change that a couple of months ago I started work on a little project which I hope will change that. This project is a free open source HF decoder which will hopefully decode HF data modes of interest to this groups members. The first modes it will decode are XPA and XPA2 but after that I will start work on adding on CROWD36 decoding.

The program is written in Java so as long as you have Oracle Java (which is free) installed on your PC it doesn't matter if your PC is Windows , Apple or Linux based.

It's still early days for the decoder and currently it only decodes from prerecorded .WAV files but it will soon decode sound sampled by a standard sound card. The decoder is called "*River*" and you can see a screen shot of it in action decoding an XPA signal below ..



As Rivet is open source all of its source code can be freely downloaded from this website ..

<https://github.com/IanWraith/Rivet>

A ready compiled version of the program will soon be available which I shall announce on the groups mailing list and give instructions on its use.

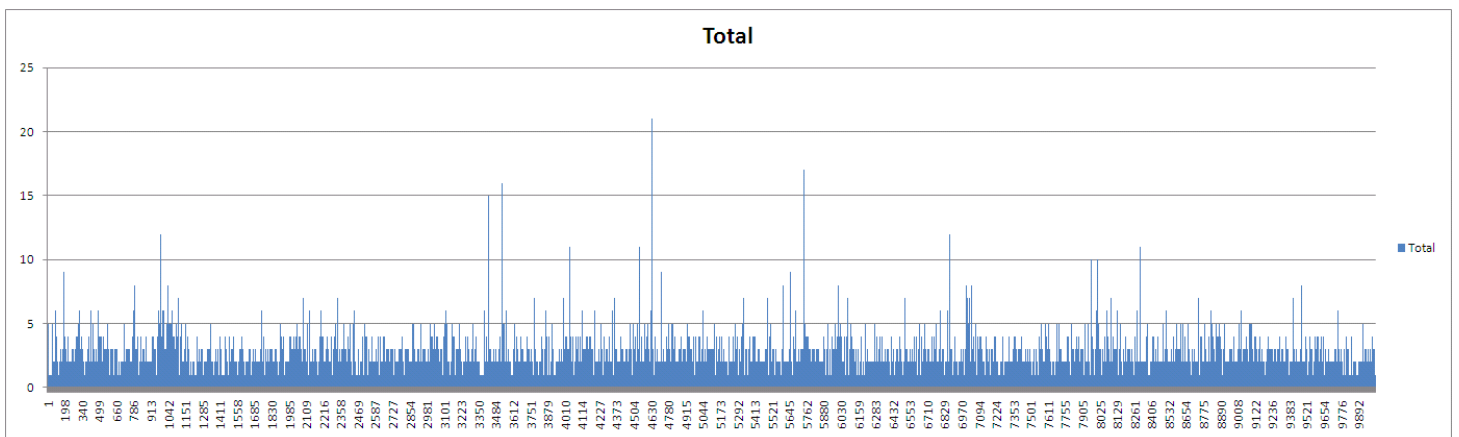
I would also like to get other members of the group involved in this project. We need programmers , testers and people to work on the programs documentation (which will be an online wiki). If you are interested please contact me via the mailing list. Also if you have any suggestions for other data modes of interest to E2K members which you would like Rivet to decode please let me know.

**Following on from Ian’s column we present an article of ‘male anon’s’ thoughts on E25:**

**E25 and Agent 185**

I finally got around to reading the last 3 newsletters and when reading about E25 I noticed the following quote in EN65. "And another interesting thing: take a look at Agent 185: The first group might play the role of a “serial number group”."

This piqued my interest as I like looking for patterns in numbers when I get a chance so I thought I would take a look at some E25 messages from previous newsletters. In fact I took all the reported messages from the beginning of 2008 onwards and a few interesting things were noted. Apologies for any duplication of facts already known. I didn't do a huge amount of cleanup on the numbers so a few duplicate entries no doubt crept in to the analysis. A few interesting patterns did emerge which varied between agent IDs. I listed the various consistencies and put them into a matrix as shown below.



The following text elaborates on the differences seen in the messages to different agents and includes the number of messages seen since 2008

- 012 32 Messages 1st Group first 2 digits counter example 98,09,19,29,39,49 Reversed = 89,90,91.....
- 014 20 Messages 1st Group last 2 digits often 55
- 111 20 Messages See matrix
- 116 20 Messages 2nd group ends 33 12 of 20 messages.
- 128 38 Messages 1st Group last 2 nearly always 66 28 occurrences 2nd group first 2 digits count e.g 01,21,31,41,51....75 or reversed 10,12,13.....57
- 133 30 Messages Last group possibly a counter 1099,3099,4099,5099,6095,8099,9099 seen in sequence last 2 normally 9X
- 140 33 Messages First group ends 33 17 times. A further 6 also end in 3
- 169 34 Messages First group last 2 between 41 and 44 in all but 7 cases
- 172 4 Messages
- 185 34 Messages First group first 2 counter. 59,69,79,89,99,10,20,30 Reversed = 95,96,97,98,99,01,02,03... First group last 2 9X except in 4 cases
- 205 58 Messages Second group end 7X almost always 77 except for 8 instances Second group 1st 2 digits counter longest sequence seen is
- 03,13,23,33,43,53,63,73,83,93,04,14,24,3444,54,64 counter was up to 86,96 then 07 when last recorded
- 222 27 Messages 2nd Group first 2 counter e.g 60,70,80,90,01,11,21,31 Reversed 06,07,08,09,10,11,12,13..
- 275 15 Messages See Matrix
- 315 7 Messages Second group contains an 8 often X38X
- 350 31 Messages See Matrix
- 360 24 Messages 1st group first 2 digits counter 51,61,71,81,91,02 of course reversed this is 15,16,17,18,19,20
- 367 5 Messages See Matrix
- 440 10 Messages 2nd group counter 1001,2001,3001,4001,8001,9002
- 449 3 Messages 2nd group possible counter 5021,6021,7031
- 555 36 Messages Second group first 2 is a counter 40,50,60....
- 570 39 First group almost ends 33 17 times and 3X a further 11 times
- 672 47 Messages 1st groups ends 22 on 25 occasions and 2X a further 11 times
- 701 18 Messages 1st group ends 11 14 times and 1X the rest of the time
- 780 46 Messages 1st group almost always contains two 9s
- 804 43 Messages 1st Group ends 8X 40 times, mostly 88
- 835 24 Messages See Matrix
- 950 26 Messages See Matrix
- 995 23 Messages Group 2 possible counter 18,28.....98,09 19 missing the 29,39 all ended 55 except one. reversed this gives 81-93

Frequency analysis shows that numbers occur almost at about the same frequency over the past 4 years with a few exceptions. Numbers that occurred more than 10 times are shown below as is the chart of all the number groups recorded.

Agent ID	012	014	111	116	128	133	140	169	185	205	222	275	315	323	350	360	367	440	449	555	570	672	701	780	804	835	880	950	995
G1 1st Digit Counter	Yes			Yes				Yes	Yes												Poss	Yes							Yes
G1 Digit 3 or 4 = 0	Yes																												
G1 Last 2 = ""		55							9X												33*							0 or 1	
G1 Last 2 reversed - Group Count				Yes										Yes		Yes										Yes		Yes	
G1 Last Digit =				0 or 1																			0 or 1			0 or 1	0 or 1	0 or 1	0 or 1
G1 and Final Group the Same																											Yes		
G2 Counter																		Yes	Poss										Poss
G2 = ""													X38X																
G2 Digit 1 Counter					Yes						Yes							Yes						Yes					
G2 Digit 4 = ""	0 or 1	0 or 1	0 or 1										0 or 1																
G2 Last 2 = ""				33*																									
G2 and Final Group the Same			Yes				Yes								Yes			Yes					Yes						
G2 and Second Last Group the Same																											Yes		
G2 Last Digit = ""				0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1	0 or 1
G2 Last 2 Reversed = Group Count				Yes						Yes	Yes						Yes	Yes		Yes									Yes
G3 First Digit Counter																Yes													
G3 last 2 reversed = group count			Yes										Yes		Yes									Yes					
G3 and Final Group the Same					Yes						Yes	Yes									Yes			Yes					Yes
Second from last group last 2 reversed = GC							Yes																						
Final Group Digit 1 Counter																													
Final Group last 2 digits reversed = group count	Yes																												

- 3425,3524 Note this pair contain the same 4 numbers
- 4536,4635 Note this pair contain the same 4 numbers
- 5746,5647 Note this pair contain the same 4 numbers
- 6857
- 8310 The message with 8310 appeared in the spreadsheet a few times (duplicates)
- 1000 this can be discounted it is due to the crude analysis done on the numbers (1000Hz) tone listed frequently

133	1013	2312	3425	5647	7809	4524	3524	4657	0201	4506	6708	3524	5746	6857	7968	5746														
172	3940	2075	5647	5867	4635	4706	5625	3425	3504	2413	3524	4635																		
185	1043	5390	7867	6978	5647	4535	2302	1312	3546	5768	9685	3425	4051	4536	4635															
396	4573	4581	1071	6958	3524	4635	5746	6706	3425	1423	2314	4525	4635	4646	5768	4625													4581	
464	1043	9971	4365	6578	2134	7981	2013	5476	6587	9768	3425	1023	7832	4374	4731															
570	4097	9175	4031	2413	3524	4635	5746	3425	4635	5746	6857	7968																		
672	2051	7173	0213	2304	2304	2301	2435	0071	4536	4637	3425	4635	5746	7867	7869															
944	6352	7421	1041	5746	6807	8978	6253	4230	4536	4756	7867	9081	3425	3524																
995	4231	4087	6958	5736	3425	4637	0615	3405	2314	3403																				
995	4815	5032	5600	3425	4635	5746	6857	7857	7869	5453	1203	3425	4635	5774	4536															

The high frequency numbers listed above appear in messages to 9 different agent IDs. All these occurred in 2008. Another matrix is shown below the analysis with these numbers highlighted in different colors. I'm sure there are more patterns that I have missed but I hope this article has been of interest. [Thanks 'male anon']



**Follow-up on recording article, Spectre writes:**



I have found a solution to automatic recording that does work.

This solution is the CMC Voice Activated Tape Recorder, which can be obtained from the electronics shop "Maplin Electronics", here in the UK.

The Tape Recorder is relatively inexpensive to buy, at £25 its quite a bargain. It offers most of the features that the Roberts C9950 Tape Recorder has, at fraction the price. Maplin Electronics do sell those modern Solid State Recorders with Voice Activated Recording, but the main drawback with these recorders, is that their power supply is batteries only and cost around £60 to £70 to buy.

This drawback regarding the power supply has been mentioned before in previous E2k newsletters, and requires some electronic wizardry to increase their power supplies.

This was the main reason why I decided to buy the CMC Tape Recorder, since you can use a DC 3 volt wall wart (not supplied with the CMC Recorder) to power the recorder as well as batteries. So power is not a problem, and the recorder can remain on standby all night if required.



The CMC Tape Recorder looks a lot like an old Walkman, and is about the same size too. The CMC Tape Recorder has a built in microphone (much like a dictation machine), 3.5mm microphone and headphone connections, normal and low speed for recordings up to 3 hours on a C90 tape, a DC 3 volt positive polarity connection and of course Voice Activated Recording.



Shows the various set up buttons, Speed, Pause, VAS

To use the VAR feature is easy, make all of the relevant connections from the Recorder to your RX of choice, select recording sensitivity by turning the volume control up or down (high volume for high sensitivity and low for lower sensitivity), make sure the VAS switch is turned to the on position and simply press the Record button. When you press the Record button and no sound is present, the tape should record for a few seconds and then stop, indicating that it is now in standby mode.

All you need to do now is make good use of your alarm features on your RX's, to begin recording when your RX automatically turns on.

You can use the VAR feature with the RX turned on, by simply adjusting the sensitivity to a lower setting, to automatically record Ham and Utility conversations etc. There is a delay of a few seconds, so that means it won't stop recording a conversation in the middle.

There is an element of experimentation and trial and error to get this to work properly. The main problem with automated recording is tuning SSB modes in portable RX's (this can be solved by using the SYNC detect feature if your RX has one), and of course Shortwave reception is always a constant battle at the best of times. So don't get upset when you find out that you recorded 40 minutes of static, in the middle of the night.

I did say trial and error. It is best to place your portable RX (if you use one), in a good place for best reception to try and solve reception problems. If you have an external antenna or long wire it is obviously best to use for good results.

As a whole, I did find the CMC Tape Recorder a very good purchase for SWL's who are on a budget, and it does offer an alternative solution to recording radio transmissions automatically other than computer based recording.

I still find some of the older methods of recording to be more reliable than modern methods of recording. Tapes are still widely available to purchase, and no self respecting SWL should be without a tape recorder as a backup, when all else fails. And the best bit with tape recorders are they don't produce QRM, when listening to shortwave radio.

*Sadly PoSW is unable to produce his news column for this issue but will return in future issues*

**Gizza Job.....**

Security Guards at MI5

Straight off this one's at MI5 [not nine to five].

Previous experience not necessary, no degree needed and reasonable money. Mind you the start time is 0600z and who can travel to London at that time?

Say nowt and be discrete.

**House of Commons**

**Security Administrator**  
**£19,198 - £24,839**

This role offers an opportunity to work autonomously to support the accurate and timely processing of the security clearance procedures within the UK Parliament.

Working alongside the pass office and external agencies, the postholder must be highly organised, demonstrate strong IT and administrative skills, with the ability to work quickly, accurately and remain calm under pressure.

The postholder will need to create, amend and maintain computer records, ensuring an organised approach to dealing with confidential information. When it gets busy, the postholder will know how to prioritise and will always be willing to lend a hand to make sure deadlines are met. In summary, we're looking for someone who's flexible, enjoys administrative tasks and has strong people skills.

The role is permanent but conditional on successfully obtaining Developed Vetting security clearance. For further information on the clearance procedure please visit: [www.cabinetoffice.gov.uk/resources-library/hmg-personnel-security-controls](http://www.cabinetoffice.gov.uk/resources-library/hmg-personnel-security-controls)

For more information or to apply, please visit [www.houseofcommons-careers.org.uk](http://www.houseofcommons-careers.org.uk) and download an application pack. Alternatively please email [HouseOfCommons@hays.com](mailto:HouseOfCommons@hays.com). Or to request an application pack in the post, please write to: Campaign Management, Hays Public Services 3rd Floor, 1 Southampton Street, London WC2R 0LR

If you have any technical queries or questions please call 020 7520 5988. Please kindly note CVs are not accepted, to apply you must complete an application form unique to the job reference number.

[www.houseofcommons-careers.org.uk](http://www.houseofcommons-careers.org.uk)

Reference number: 311026  
 Closing date: 16 July 2011

**INVESTORS IN PEOPLE**

### Security Administrator

This one isn't security services but you'll be DVd all the same as you deal with the day to day security aspects of the House of Commons.

Good subsidised grub and seventeen bars within so always plenty of chance to meet interesting persons.

*[I do get pissed off everytime this damnable usoft Office puts a 'z' where we place an 's']*.

Definitely nine to five and definitely no shift work.

Article found in The SUN 14/07/2011 page 6 by Spectre:

### Spy Staff Defecting To Google, Pay Lure As UK Cuts Hit.

Spy chiefs have warned that cash cuts will hit Britain's war on terror - and revealed that staff are quitting GCHQ to earn more at Google.

Budget-hit bosses said they would have to "divert resources" from crucial areas to cover the massive security operation for next year's London Olympics. Electronic spy agency GCHQ also warned it was struggling to retain internet "whizzes" to keep up the nation's cyber defences. Director Iain Lobban told MPs: "They will be working for Microsoft or Google or Amazon or whoever." "Month-on-month, we are losing whizzes who will basically say, 'I'm sorry, I am going to take three times the salary and the car.'"

Details of the warnings emerged in the annual report of the Commons Intelligence and Security Committee. It said the combined budget of MI5, MI6 and GCHQ will drop 11 per cent to £1.96billion by 2014. Britain's foreign aid budget then will be £12.6billion - over six times more. The MPs cast doubt on whether MI5 would be able to manage the re-emerging terror threat in Northern Ireland without losing cover elsewhere. They urged the National Security Council to release resources for the security service, adding: "This is a matter of very serious concern."

MI5 director-general Johnathan Evans said the Olympics would have "really big security implications for the service." Sir John Sawers, chief of MI6, the secret intelligence service, said it faced a "surge" in pre-Games counter-terrorism work. He forecast "an impact on our intelligence operations and intelligence coverage of other targets" in the six to nine months beforehand. The committee feared budget cuts would hit the agencies' ability "to maintain current levels of coverage". It added: "This may worsen if inflation remains at its current levels." Just two days ago, Home Secretary Theresa May was able to reduce the terror threat level from "severe" to "substantial" due to the services' work.

The SUN said on page 8:

### Games Of Risk.

WITH the London Olympics just a year away there is a "strong possibility" of a terror attack on Britain - that's the good news.

Before it was lowered on Monday, the threat level was "highly likely". This doesn't mean we can sit back and think the danger has gone away. Security chiefs warn that the 2012 Games are a target for extremists. And yet our intelligence services face an 11 per cent budget cut. Meanwhile, the amount Britain spends on overseas aid is ballooning from £8billion to £12billion. That will be SIX times the £2billion our spooks get to keep us safe.

In these times of cuts there's one thing the Government really can't afford - a gamble on national security.

### Diplomats 'tried to sell assets'

12 Aug 2011

<http://www.thisislondon.co.uk/standard/article-23977553-diplomats-tried-to-sell-assets.do>

Libyan dictator Muammar Gaddafi's diplomats in London tried to sell off embassy assets including cars before they were expelled by the British Government, sources have claimed.

A senior UK official said a number of other Libyan embassies are understood to be carrying out "fire sales" to raise money for the "cash-strapped" regime in Tripoli.

The official also claimed that Gaddafi was "increasingly desperate" to secure fuel for his armed forces and the situation could reach a "tipping point" soon.

Britain announced last month that it was recognising the rebel National Transitional Council (NTC) as Libya's only legitimate government and would expel the remaining Tripoli regime diplomats.

A source said Gaddafi's UK envoys tried to sell cars and "anything that wasn't nailed down" in the embassy in Knightsbridge, west London, before it was reopened by the NTC on Tuesday. It is not known how much they managed to raise, or whether they kept the money or sent it back to Tripoli.



The senior British official said: "The pressure is starting to tell. We understand that across the region Libyan embassies are engaged in fire sales of assets in order to raise money for the cash-strapped Tripoli regime. Separately NTC forces have succeeded in cutting off some of the oil supplies that Gaddafi has been diverting to the frontline.

"We know that this is making Gaddafi increasingly desperate for fuel to run his armed forces. This may reach a tipping point soon."

The official admitted that progress in the Nato-led military campaign against Gaddafi, which started in March, had not been "as swift as we would have liked". She added that the July 28 killing of rebel military commander General Abdel Fattah Younes, allegedly by his own side, was "shocking" and represented a "significant challenge".

It is understood that the NTC has completed an internal investigation into why General Younes was recalled from the frontline to the rebel capital Benghazi just before his murder, and will announce its findings shortly. The British official said moves by the NTC this week to dismiss its executive committee "represented an opportunity".

Meanwhile, The BBC has announced that it will begin broadcasting World Service programmes on FM radio to the Libyan cities of Benghazi and Misrata. BBC Arabic is already available in the war-torn north African country via TV sets and on short-wave and medium-wave radio.

<http://www.thisislondon.co.uk/standard/article-23977553-diplomats-tried-to-sell-assets.do>

### **Mossad's murder machine claims another scientist's life in Israeli bid to stop Iran building a nuclear bomb**

By Michael Burleigh

Last updated at 9:12 AM on 5th August 2011

<http://www.dailymail.co.uk/news/article-2022641/Mossads-murder-machine-claims-scientists-life-Israeli-bid-stop-Iran-building-nuclear-bomb.html>

The two assassins arrived from nowhere as their victim was driving home with his wife. Trapped inside his car, he was hopelessly vulnerable as their motorcycles pulled alongside.

He would just have had time to notice their blacked-out visors before they opened fire, emptying round after round into his chest.

Nuclear scientist Darioush Rezaei died immediately. His wife was critically wounded and still in hospital days after the attack in north eastern Iran.

The hitmen? They vanished into the traffic fumes of the night.

This is a story of ruthless men playing for the highest stakes imaginable. Of secret agents from Israel's intelligence service Mossad who will stop at nothing to prevent Iran from acquiring a nuclear weapon.

Should Iran succeed, Israel would be desperately vulnerable to attack — not least because Iran's President Ahmadinejad has repeatedly threatened to erase the 'Zionist entity' from the map.

There's also the danger of nuclear proliferation among Israel's Arab neighbours. If Ahmadinejad gets hold of a nuclear weapon, Egypt, Saudi Arabia and others would immediately seek to do so as well, to prevent Iran from bullying them with its new-found power.

Israel's response to the threat has been deadly.

Rezaei was assassinated because he was an expert on neutron transport, one of the key processes in making nuclear weapons. He joins a long list of Iranian nuclear scientists and engineers who are being systematically targeted by killers apparently dispatched by the Israeli intelligence agency.

While it is unlikely Mossad would send its own assassins into such a high-risk environment, they will have recruited locals and given them intensive training.

Last November, two senior Iranian scientists were attacked in different parts of the capital. Both victims were driving to work when men on motorbikes attached magnetised bombs to their cars as they were stuck in traffic.

These small explosives are known as 'shaped charges', designed to focus the blast at its target as a stream of molten metal travelling at 29,000 miles per hour. One bomb killed nuclear engineer Majid Shahriari, while missing his wife in the passenger seat.

Massoud Ali-Mohammadi was killed by a bomb in front of his home in north Tehran, Majid Shahriari was murdered use a bomb stuck to his car by a passing motorbike

In another part of town, nuclear engineer Dr Fereydoon Abbasi narrowly survived an identical attack. Dr Abbasi is an expert in the separation of isotopes, a crucial process in the manufacture of enriched uranium fuel, which has uses in both nuclear reactors and weapons.

In January, it was the turn of 50-year-old Masoud Ali-Mohammadi, who was killed near his north Tehran home by a remotely detonated bomb built into a motorcycle parked on the route he took to work each morning. The bomb blew Mohammadi's car to pieces.

Although his Western scientific colleagues claim that the dead man was an expert in quantum mechanics rather than nuclear fission, it has since emerged that for 20 years he was a member of Iran's Revolutionary Guard, the key government agency involved in developing Iran's nuclear weapons.

The deaths follow a pattern that can be traced back to 2007, when Dr Ardeshir Hosseinpour, a scientist employed at the top-secret Istfahan nuclear plant, mysteriously died of radiation poisoning.

Of course, Israel denies any connection with these deaths. But intelligence experts are convinced Mossad is behind them, sometimes carrying out the killings in conjunction with like-minded intelligence agencies, including the CIA.

Sabotaged: Iran's nuclear facilities have also been attacked using computer viruses, even though none of them are connected to the internet

Sabotaged: Iran's nuclear facilities have also been attacked using computer viruses, even though none of them are connected to the internet

For the past five years, the CIA's 'Project Brain Drain' has been trying to lure jobless Iranian science graduates to the U.S. in order to denude Iran of potential nuclear bomb makers. The CIA has also tried to entice the country's more senior nuclear scientists to defect — but only half a dozen have done so.

Israel has never made a secret of its policy that those who harm it will be harmed in turn. Yet the killing of Iranian engineers and scientists in increasing numbers smacks of desperation.

The Israelis had hoped to persuade America to help them attack nuclear facilities in Iran, which are buried deep underground. But the U.S. does not wish to get involved in another war, and refused to supply Israel with high-tech bunker-penetrating bombs.

So, for now, Israel decided to delay Iran's research programme using sabotage and the assassination of key scientific players.

This tactic worked before when used against the leaders and bomb-makers of the militant Palestinian organisation Hamas. In this game, morality goes out the window, especially as it's argued that the Iranian scientists know what their research is intended for.

Although the bombings and shootings are the most visible aspect of the Israeli campaign, a highly sophisticated sabotage programme is also under way. The assassinations and sabotage mean that heads of Mossad, including Meir Degan, can take a more relaxed view of when Iran will achieve its nuclear capability

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In some cases, this has involved Mossad creating phoney companies in Europe or Asia which supply Iranian procurement agencies with engineering components such as valves and switches that can be used for nuclear reactors — as well as bomb-making. These parts function as normal in the initial deliveries, so as to build Iranian confidence. But then the parts malfunction, as they have been deliberately engineered to.

A more sophisticated example of sabotage was the insertion last November of the Stuxnet computer worm into the operating systems of Iran's nuclear facilities at Natanz and elsewhere.

None of Iran's nuclear plants have connections to the internet, precisely to prevent a hostile power from corrupting their computers with what is called 'malware'.

But computer data can still be accessed and transferred using a humble USB memory stick. One was used to infect them with the virus engineered to enter just one type of computer — the industrial operating machines made by the German electronic giant Siemens.

Germany is by far Iran's leading importer, and hundreds of German firms — including some of the very biggest — continue to collaborate with the country where 70 per cent of nationalised industry is owned by the Revolutionary Guard. The Stuxnet malware silently seized charge of the expensive Siemens systems, and either slowed down, or sped up the highly-engineered centrifuges used to enrich uranium.

About 1,000 of these sensitive devices broke down under such unusual pressure, setting back Iran's nuclear ambitions by years.

This cyber-warfare, capable of disabling any number of computer operating systems controlling utilities, food distribution, air traffic and so on, is how major wars will be fought in future.

Experts say only one nation is capable of developing such a sophisticated weapon: the U.S., although the Russians recently paralysed Estonia through a computer-borne attack.

So far, the combination of assassination and sabotage has enabled Meir Degan, the outgoing head of Mossad, and several of his predecessors, to take a more relaxed view of when Iran will achieve nuclear weapons capability.

Previous operation: The Israeli's bombed this site in Syria during 2007 after finding out Iran had bankrolled a facility to develop weapons-grade plutonium

Previous operation: The Israeli's bombed this site in Syria during 2007 after finding out Iran had bankrolled a facility to develop weapons-grade plutonium

Ultimately, they know that if all else fails, they can try to bomb the Iranian nuclear sites — with or without American help.

Israel has undertaken such daring air raids before, but because of the deep underground nature of the nuclear sites and the huge distances between them, the operation would be fraught with risk.

In June 1981, the Israeli air force's Operation Opera obliterated the Iraqi nuclear plant at Osirak, where Saddam Hussein was trying to produce plutonium. A year earlier, the Iraqi project's chief scientist, Yahya El Mashad, had been lured to a hotel in Paris and clubbed to death. A prostitute who claimed to have heard the attack was killed in a hit-and-run traffic accident before she could testify.

More recently, Operation Orchard in December 2007 saw Israeli F-15 jets pulverize a remote site in Syria. Their target was a North Korean-built facility set up to produce weapons-grade plutonium, which had been bankrolled by Iran to the tune of \$1 billion.

The Iranians hoped they could develop this technology covertly in another country without Israel finding out. They were wrong.

Prior to the operation, Mossad agents got into the London hotel room of a senior Syrian official, where they bugged his laptop.

This entire operation began after Iranian Deputy Defence Minister and Brigadier General Ali-Reza Asgari disappeared in Istanbul — his abduction, or defection, giving the Israelis vital clues as to nuclear collaboration between Iran and Syria. He has never been seen since.

So can murder of this kind be justified?

Israel will contend that what such men do could result in a nuclearised Middle East, and trigger a cataclysmic war. A few dead scientists and engineers are a price worth paying, goes the argument.

Only future historians will know if that was correct.

<http://www.dailymail.co.uk/news/article-2022641/Mossads-murder-machine-claims-scientists-life-Israeli-bid-stop-Iran-building-nuclear-bomb.html>

Sent in by DoK [Thanks]

# Chart Section Index

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### Logging Abbreviations explained.

The ENIGMA 2000 Standard logging should take this form without any personalised abbreviations:

E07 10436kHz 1740z 07/06[414 1 563 102 92632 ... 09526 0 0 0 0 0 0] 1753z Fair QRM2 QSB2 PLdn SUN

Station: E07 [Traits of stations in ENIGMA Control List]

Freq: kHz [As above 10436kHz]

Time: z [Always 24hour clock, 'z' states GMT/UTC]

Date: day/month [As above 7<sup>th</sup> June]

Msg detail: Varies with station

ID taken from 100kHz fig in freqs:	414	[freqs used in this schedule were 13468, 12141 and 10436kHz]
Msg count	1	
Dk [decode key]:	563	
Gc [group count]:	102	
First group of msg:	92632	
Text between grps:	...	
Last group:	09526	[where more than one group is stated the use of LG ahead group indicates 'Last Group.']

Ending: 0 0 0 0 0 0

Time msg ends: 1753z

Received signal strength assessment: Fair

Noise QRM2

Fading to signal QSB2

Monitor: PLdn

Day heard: SUN

Unknown: unk

Repeat: R [which can be expanded to mean]:

Repeated : R5m [repeated 5 mins]; R5s[repeated 5seconds], R5x [Repeated 5 times]

### Received signal strength assessment.

Some receivers possess 'S' meters that give a derived indication of signal strength caused by changes within that receiver. Calibration may, or may not be accurate and the scale, may or may not, be the same as that on other receivers. Some receivers have no meter yet produce acceptable results.

Therefore we prefer the quality of the signal to be assessed by the particular monitor.

Guidance for this can be sought from the Q code:

**QSA** What is the strength of my signals (or those of...)?

The strength of your signals (or those of...) is...

1) scarcely perceptible.

2) weak.

3) fairly good.

4) good.

5) very good.

[QSA1 S0 to S1; QSA2 S1 to S3; QSA3 S3 to S6; QSA4 S6 to S9; QSA4 S9 and above]

Sooner than put a numerical value we state: Very Weak, Weak, Fair, Strong or Very Strong.

### Noise, Static and Fading.

Again guidance from the Q code:

**Noise:**

**QRM** Are you being interfered with?

I am being interfered with

1) nil

2) slightly

3) moderately

4) severely

5) extremely.

Note: in the sample the monitor has stated QRM2 which means 'slight noise'; had the interference been from a broadcast station you might have read 'BC QRM2' and so on.

**Static** [Lightning and other atmospheric disturbance]:

**QRN** Are you troubled by static?

I am troubled by static

- 1) nil
- 2) slightly
- 3) moderately
- 4) severely
- 5) extremely.

**Fading** [Propagational disturbance]

**QSB** Are my signals fading?

Your signals are fading

- 1) nil
- 2) slightly
- 3) moderately
- 4) severely
- 5) extremely.

Note: in the sample the monitor has stated QSB2 which means 'slight fading' where the received signal obviously fades but the message is still intelligible.

The use of QRM1, QRN1 and QSB1 is not expected; if there is no such aberration to the signal it need not be stated.

### **Day Abbreviation**

Self explanatory: SUN, MON, TUE, WED, THU, FRI, SAT

### **Mode used in transmission**

Generally the mode of transmission is not stated, being available in the ENIGMA Control List. Should the expected mode change then this can be stated as: CW [Carrier Wave] MCW [Modulated Carrier Wave] ICW [Interrupted Carrier Wave] generally associated with Morse transmission; AM [Amplitude Modulation], LSB [Lower Sideband], USB [Upper Sideband] generally associated with Voice transmission.

### **Languages used**

The ident of a station generally states the language in use, E [English], G [German] S [Slavic], V [All other languages].

### **Non voice stations**

M [Morse and TTY] SK [Digital modes] X [Other modes]

Ideally we would like to see logs offered in our standard format allowing the editorial staff to process the results quickly rather than having to manually re-format. Anyone submitting logs should refrain from using their own abbreviations or shortening our abbreviations eg. Su Mo Tu etc.

See a correct example below which is now self explanatory:

V02a 5883kHz 0700z 06/06[A63752 57781 31521] Fair QRN2 end uk PLdn SAT

And the incorrect version:

V2a 5883k 07:00 06/06/2009 A/63752- 57781- 31521 S3 PLdn SA

### **Additional Info:**

Own station idents should not be used.

When an unidentifiable station is submitted please supply the obvious details:

Freq, Time start and end, Date, Message content, particularly preamble and message content and ending. Language details are helpful, particularly any strange pronunciations.

Other details about stations can be found in the ENIGMA Control List available from Group files or sent when you joined.

**European Number Systems**

<b>English</b>	<b>zero</b>	<b>one</b>	<b>two</b>	<b>three</b>	<b>four</b>	<b>five</b>	<b>six</b>	<b>seven</b>	<b>eight</b>	<b>nine</b>
<b>Bulgarian</b>	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
<b>French</b>	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
<b>German<sup>^</sup></b>	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
<b>Spanish</b>	cero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
<b>Czech</b>	nula	jeden	dva	tr <sup>^</sup> i	chtyr <sup>^</sup> i	pět	shest	sedm	osm	devět
<b>Polish</b>	zero	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
<b>Romanian</b>	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
<b>Slovak*</b>	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
<i>* West</i>	nula	jeden	dva	try	shtyry	pet	shest	sedem	ossem	devat
<i>* East</i>	nula	jeden	dva	tri	shtyri	pejc	shesc	shedzem	osem	dzevec
<b>Serbo-Croat</b>	nula	jèdan	dvâ	trî	chètiri	pět	shêst	sëdam	ösam	dëve:t
<b>Slovene</b>	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
<b>Russian</b>	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyat'

<sup>^</sup> Some German numerals have a radio accent. The numbers in question are:

2 ZWEI pronounced by some TXs, as TSWO .

5 FUNF some pronounce it as FUNUF poss hrd as a fast TUNIS

9 NEUN pronounced by some as NEUGEN.

This is totally in keeping with some German armed forces stations and corresponds to our WUN, FOWER, FIFE, NINER

**Arabic Numerals [E25 and V08]**

English	zero	one	two	three	four	five	six	seven	eight	nine
	0	1	2	3	4	5	6	7	8	9
Arabic	sifr	wahid	itnien	talata	arba	khamsa	sitta	saba	tamanya	tissa
	٠	١	٢	٣	٤	٥	٦	٧	٨	٩

**Numeral systems used on selected Slavic Stations** [*Stations apparently discontinued*]

	<b>S11a Cherta</b>	<i>S11 Kreska</i>	<b>Actual Polish[S11]</b>	<i>S10d</i>	<i>S17c</i>
<b>0</b>	nul	zero	zero	Nula*	Nula*
<b>1</b>	adinka	yezinka	jedynka	Jeden <sup>^</sup>	Jeden <sup>^</sup>
<b>2</b>	dvoyka	dvonta	dwójka	dva	dva
<b>3</b>	troyka	troika	trójka	tri ´	tri ´
<b>4</b>	chetyorka	chidiri	cztery	shytri	shytri
<b>5</b>	petyorka	peyonta	piątka	pyet	pyet
<b>6</b>	shest	shes	sześć	shest	shest
<b>7</b>	syem	sedm	siedem	sedoom	sedoom
<b>8</b>	vosyem	osem	osiem	Osoom~	Osoom~
<b>9</b>	dyevyet	prunka	dziewięć	devyet	devyet

Notes: \* Nula heard as nul

<sup>^</sup> Jeden heard as yedinar

´ Tri heard as 'she'

~ Osoom often heard as bosoom or vosoom.

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
					x	x	0030		E06	01A	6874 759	6797 759
					x	x	0230		E06	01A	5179 759	5122 759
	x		x				0340/0400/0420		M12	01B	5829/ 6929/ 8029 890	5872/ 6772/ 7672 876
x		x					0400/0420/0440		M12	01B	6784/ 7584/ 9184 751 search	5291/ 6891/ 7491 284
			x				0430/0450/0510		E07A	01B	7437/ 8137/ 9137 411	5146/ 5846/ 6846 188
x							0450		E11	03	6304 416/00	6304 416/00
x							0500/0520/0540		M12	01B	6842/ 7942/ 9142 891	5384/ 6784/ 7984 379
			x	x			0500/0600		E06	01A	12210 354	search
		x					0530/0540		S06S	01A	10835/12170 153	10835/12170 153
x							0600/0610		S06S	01A	14080/12355 438	14080/12355 438
				x			0600/0610		S06S	01A	6340/ 5470 934	6340/ 5470 934
				x			0600/0610		S06S	01A	7795/ 8695 196	<del>7795/ 8695 196</del>
			x	x			0600/0700		E06	01A	14830 354	search
x		x					0645		E11	03	10800 517/00	10800 517/00
						x	0700		M01	14	6508 463	6508 463
				x			0700/0710		S06S	01A	<del>7795/ 8695 196</del>	<del>7795/ 8695 196</del>
x							0700/0710 (15)		S06S	01A	5760/ 6930 374	5760/ 6930 374
x		x					0700/0720/0740		E07	01B	6893/ 7493/ 8193 841	5782/ 6982/ 7582 795
x			x				0710		E11	03	10221 633/00	10221 633/00
		x					0730/0740		S06S	01A	7335/11830 745	7335/11830 745
			x				0800		E17Z	01A	14260/12930 674	14260/12930 674
x							0800		G06	01A	6774 215	6774 215
x							0800/0810		S06S	01A	11635/10420 352	11635/10420 352
x	x						0800/0810		S06S	01A	7320/ 9840 418	7320/ 9840 418
<b>x</b>		<b>x</b>					0820		E11	03	6814 438/00	6814 438/00
				<b>x</b>	<b>x</b>		<b>0820</b>		<b>M03</b>	<b>03</b>	<b>761/00, search</b>	<b>761/00, search</b>
		x					0820/0830		S06S	01A	7605/ 9255 471	7605/ 9255 471
x			x				0830		E11	03	10690 649/00	10690 649/00
			x				0840/0850		S06S	01A	9480/11040 328	9480/11040 328
x		x					0900		E11	03	9399 534/00	9399 534/00
			x	x			0900		E11	03	4909 248/00	4909 248/00
			x				0900/0910		S06S	01A	12952/13565 167	12952/13565 167

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
	x			x			0915		S11A	03	484/00, search	484/00, search
		x	x				0930		E11	03	8800 270/00	8800 270/00
				x			0930/0940		S06S	01A	12140/13515 516, search	12140/13515 516, search
x			x				0940		G11	03	7317 275/00	7317 275/00
		x					1000/1010		S06S	01A	13365/14505 729	13365/14505 729
x			x				1015		S11A	03	16112 475/00	16112 475/00
	x			x			1020		S11A	03	9960 426/00	9960 426/00
		x			x		1020		S11A	03	5815 221/00	5815 221/00
	x	x					1045		E11	03	7449 469/00	7449 469/00
x						x	1050		E11	03	6433 127/00	6433 127/00
	x	x	x				1115		M03	03	9150 272/00 (Tue) & 650/00 (Wed/Thu)	9150 272/00 (Tue) & 650/00 (Wed/Thu)
	x				x		1135/1140		M03	03	6977 786/00	6977 786/00
		x	x			x	<b>1155</b>		<b>E11</b>	<b>03</b>	<b>15915</b> <b>718/00</b>	<b>15915</b> <b>718/00</b>
		x					1200		G06	01A	5864 439	5864 439
x							1200/1210		S06S	01A	9145/11460 831	9145/11460 831
		x					1200/1210		S06S	01A	7120/ 6415 481	7120/ 6415 481
			x				1200/1210		S06S	01A	12560/13065 (10350/-) 425, search	12560/13065 (10350/-) 425, search
	x						1230/1240		S06S	01A	/ 5805 278	/ 5805 278
		x					1230/1240		S06S	01A	7620/ 8105 967	7620/ 8105 967
			x				1230/1240		S06S	01A	8650/ 7385 314	8650/ 7385 314
	x					x	1240		E11	03	5737 349/00	5737 349/00
		x					1300		G06	01A	439, search	439, search
x							1300/1320/1340		M12	01B	14372/13472/11472 344	10804/ 9324/ 7964 839
			x			x	1320		M03	03	9150 43#/00	9150 43#/00
				x	x		1325		G11	03	5815 299/00	5815 299/00
x						x	1355		S11A	03	254/00, search	254/00, search
	x						1400/1420/1440		XPA	01B	10267/ 9167/ 7967	8167/ 7467/ 6867
			x				1400/1410		S06S	01A	5320/ 4845 624, search	5320/ 4845 624, search
		x			x		1445		E11	03	4909 267/00	4909 267/00
					x		1500		M01	14	6261 463	6261 463
	x						1500/1510		S06S	01A	6464/ 7245 537	6464/ 7245 537



Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
			x				1505		M01B	14	5958 159	5958 159
				x			1515		M01B	14	5810 158	5810 158
	x			x	?		1535		M03	03	6977 798/00, search	6977 798/00, search
x						x	1540		E11	03	15915 228/00	15915 228/00
					x		1600 (1605)		S06	01A	8162/ 7612 134	8162/ 7612 134
x							1600/1610		S06S	01A	8040/ 6830 176	8040/ 6830 176
x							1700		G06	01A	4457 439	4457 439
		x				x	1700/1720/1740		E07	01B	12223/11062/10116 201	5412 892
			x				1730		E11	03	9371 416/00	9371 416/00
	x				?	x	1755		G11	03	5815 270/00	5815 270/00
x							1800		G06	01A	4864 439	4864 439
	x		x				1800		M01	14	5474 463	5474 463
		x					1800 (1805)		S06	01A	5735/ 5070 471	5735/ 5070 471
x							1800/1820/1840		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
			x				1800/1820/1840		M12	01B	10343/ 9264/ 8116 124	10343/ 9264/ 8116 124
	x		x				1802		M45	14	4555, 4955 555	4555, 4955 555
x							1810		M01B	14	3535, 4590 420	3535, 4590 420
	x						1820		M14	01A	5945 346	5945 346
			x				1830	2/4	G06	01A	5935 579	5935 579
		x				x	1830/1850/1910		M12	01B	12137/10837/ 9937 189	10476/ 9276/ 8176 421
			x				1832		M01B	14	3510, 4605 201	3510, 4605 201
	x		x				1842		S21	14	4454, 4854 454	4454, 4854 454
x			x				1900 (1905)		S06	01A	5784/ 5127 349	5784/ 5127 349
		x					1900/1910		S06S	01A	9220/ 8270 371	9220/ 8270 371
x		x					1900/1920/1940		E07	01B	12108/10708/ 9208 172	10243/ 9243/ 7943 229
			x	x			1900/1920/1940		M12	01B	13582/12082/10382 503	13582/12082/10382 503
x							1900/1920/1940		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
	x		x				1900/1920/1940		XPA	01B	11576/10476/ 9276	9362/ 8062/ 7462
				x	x		1900/2000	1/3	M14	01A	9060/ 8180 724, search	<del>XXXXXXXXXX</del>
				x			1902		M01B	14	3625, 4440 153	3625, 4440 153
x							1915		M01B	14	3644, 4454 771	3644, 4454 771
		x					1920	2/4	M14	01A	5464 537	5464 537

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
				x			1930	2/4	G06	01A	5442 947	5442 947
					x		1930 (1935)		S06	01A	5782/4628 366	5782/4628 366
			x				1942		M01B	14	3715, 4570 477	3715, 4570 477
				x		x	2000		G11	03	6433 262/00	6433 262/00
x			x				2000		M01	14	5020 463	5020 463
		x					2000/2020/2040		E07A	01A	8173/ 7473/ 5773 147	5864/ 5164/ 4564 815
				x	x		2000/2100	1/3	M14	01A	<del>3520, 4585 582</del>	5810/ 5240 724
				x			2010		M01B	14	3520, 4585 582	3520, 4585 582
			x				2010/2030/2050		E07	01B	9387/ 7526/ 5884 358	7516/ 5826/ 4497 584
x							2015/2115	2/4	S06	01A	9120/ 7880 961, search	8165/ 6845 397, search
			x				2030		E06	01A	5186 891	5186 891
		x					2100/2120/2140		M12	01B	6793/ 5893/ 785, search	5814/ 5214/ 826, search
				x			2130		E06	01A	5197 634	5197 634

## M01 M01b M45 Frequency Schedule 2009

### M01 Sunday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	197	197	463	463	025	025	025	025	463	463	197	197
<b>0700</b>	5464	5464	6508	6508	6780	6780	6780	6780	6508	6508	5464	5464

### M01b Monday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>				420	364	364	364	364	420	420		
<b>1810</b>				3535	5125	5125	5125	5125	3535	3535		
//				4590	5735	5735	5735	5735	4590	4590		
<b>ID</b>	853	853	420								853	853
<b>1910</b>	2435	2435	3535								2435	2435
//	3520	3520	4590								3520	3520
<b>ID</b>				771	858	858	858	858	771	771		
<b>1915</b>				3644	5150	5150	5150	5150	3644	3644		
//				4454	5475	5475	5475	5475	4454	4454		
<b>ID</b>				298	729	729	729	729	298	298		
<b>2010</b>				4991	5815	5815	5815	5815	4991	4991		
//				5336	6769	6769	6769	6769	5336	5336		
<b>ID</b>	375	375	771								375	375
<b>2015</b>	2427	2427	3644								2427	2427
//	3205	3205	4454								3205	3205
<b>ID</b>	136	136	298								136	136
<b>2110</b>	4615	4615	4991								4615	4615
//	5065	5065	5336								5065	5065

### M01 Tuesday/Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	197	197	463	463	025	025	025	025	463	463	197	197
<b>1800</b>	5320	5320	5474	5474	5280	5280	5280	5280	5474	5474	5320	5320
<b>2000</b>	4490	4490	5017	5017	4905	4905	4905	4905	5017	5017	4490	4490

### M01b Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>159</b>
<b>1505</b>				5938	5938	5938	5938	5938	5938	5938		
<b>1605</b>	5938	5938	5938								5938	5938
<b>ID</b>				<b>201</b>	<b>815</b>	<b>815</b>	<b>815</b>	<b>815</b>	<b>201</b>	<b>201</b>		
<b>1832</b>				3510	5095	5095	5095	5095	3510	3510		
//				4605	5760	5760	5760	5760	4605	4605		
<b>ID</b>	<b>910</b>	<b>910</b>	<b>201</b>								<b>910</b>	<b>910</b>
<b>1932</b>	2466	2466	3510								2466	2466
//	3545	3545	4605								3545	3545
<b>ID</b>				<b>477</b>	<b>936</b>	<b>936</b>	<b>936</b>	<b>936</b>	<b>477</b>	<b>477</b>		
<b>1942</b>				3715	5064	5064	5064	5064	3715	3715		
//				4570	5805	5805	5805	5805	4570	4570		
<b>ID</b>				<b>302</b>	<b>931</b>	<b>931</b>	<b>931</b>	<b>931</b>	<b>302</b>	<b>302</b>		
<b>2032</b>				4905	5763	5763	5763	5763	4905	4905		
//				5736	5941	5941	5941	5941	5736	5736		
<b>ID</b>	<b>382</b>	<b>382</b>	<b>477</b>								<b>382</b>	<b>382</b>
<b>2042</b>	2485	2485	3715								2485	2485
//	3160	3160	4570								3160	3160
<b>ID</b>	<b>514</b>	<b>514</b>	<b>302</b>								<b>514</b>	<b>514</b>
<b>2132</b>	4603	4603	4905								4603	4603
//	4991	4991	5736								4991	4991

### M01b Friday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>	<b>158</b>
<b>1515</b>	xxxx	xxxx	xxxx	5810	5810	5810	5810	5810	5810	5810	xxxx	xxxx
<b>1615</b>	5810	5810	5810								5810	5810
<b>ID</b>										<b>365</b>	<b>444</b>	
<b>1708</b>										6365		
<b>1808</b>											6444	
<b>ID</b>				<b>153</b>	<b>336</b>	<b>336</b>	<b>336</b>	<b>815</b>	<b>153</b>	<b>153</b>		
<b>1902</b>				3625	5075	5075	5075	5075	3625	3625		
//				4440	5465	5465	5465	5465	4440	4440		
<b>ID</b>	<b>866</b>	<b>866</b>	<b>153</b>								<b>866</b>	<b>866</b>
<b>2002</b>	2653	2653	3625								2653	2653
//	3197	3197	4440								3197	3197
<b>ID</b>				<b>582</b>	<b>467</b>	<b>467</b>	<b>467</b>	<b>467</b>	<b>582</b>	<b>582</b>		
<b>2010</b>				3520	4895	4895	4895	4895	3520	3520		
//				4585	5340	5340	5340	5340	4585	4585		
<b>ID</b>				<b>271</b>	<b>871</b>	<b>871</b>	<b>871</b>	<b>871</b>	<b>271</b>	<b>271</b>		
<b>2102</b>				4766	5329	5329	5329	5329	4766	4766		
//				5443	5752	5752	5752	5752	5443	5433		
<b>ID</b>	<b>610</b>	<b>610</b>	<b>582</b>								<b>610</b>	<b>610</b>
<b>2110</b>	2405	2405	3520								2405	2405
//	3180	3180	4585								3180	3180
<b>ID</b>	<b>419</b>	<b>419</b>	<b>271</b>								<b>419</b>	<b>419</b>
<b>2202</b>	4508	4508	4766								4508	4508
//	4706	4706	5443								4706	4706

### M01 Saturday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	<b>197</b>	<b>197</b>	<b>463</b>	<b>463</b>	<b>025</b>	<b>025</b>	<b>025</b>	<b>025</b>	<b>463</b>	<b>463</b>	<b>197</b>	<b>197</b>
<b>1500</b>	5810	5810	6261	6261	6434	6434	6434	6434	6261	6261	5810	5810

### M45 Tuesday/Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
<b>ID</b>	<b>525</b>	<b>525</b>	<b>555</b>	<b>555</b>	<b>074</b>	<b>074</b>	<b>074</b>	<b>074</b>	<b>555</b>	<b>555</b>	<b>525</b>	<b>525</b>
<b>1702</b>					5074	5074	5074	5074				
//					5474	5474	5474	5474				
<b>1802</b>	3525	3525	4555	4555					4555	4555	3525	3525
//	4025	4025	4955	4955					4955	4955	4025	4025

With a receiver set to CW mode you will hear two tones. The table above shows the lower tone. Add 2kHz for other tone. These tones are modulated allowing you to hear this in AM mode.

M01b is undergoing some changes and not all those listed are active. Frequencies not heard are in *italics* and shaded whilst the frequencies of those not heard for rest of year are also *italicised*

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 1	1600	10343	1620	9264	1640	8116	124	3487	92
Sat 2	1310	13926^	1330	12126	1350	---	919	0 0 0	
Sun 3	1830	10843	1850	9243	1910	---	828	0 0 0	
Mon 4	0430	6857	0450	7557	0510	---	850	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972	1320	13472	1340	11472	944	119	107
	1600	12162^	1620	11566	1640	10711	546	5096	80
	1700	9176^	1720	7931^	1740	6904	257	2025	79
	1800	9176	1820	7931^	1840	6904	257	6868	53
	1900	9176	1920	7931^	1940	6904	257	2711	92
Tue 5	0340	8173	0400	9173	0420	10173	111	476	193
	1830	10343	1850	9264	1910	8116	124	6640	64
Wed 6	1500	14492	1520	13392	1540	11092	944	119	107
	1830	11435	1850	10598	1910	9327	938	6039	50
	2100	9379	2120	7979	2140	---	398	0 0 0	
Thu 7	0340	8173	0400	9173	0420	10173	111	476	193
	0630	7984^	0650	9184	0710	---	911	0 0 0	
	1700	9176^	1720	7931^	1740	6904	257	4196	97
	1700	10343	1720	9264	1740	8116	124	7968	76
	1800	10343	1820	9264	1840	8116	124	5968	99
	1830	9176^	1850	7931^	1910	6904	257	1041	84
	1900	9176^	1920	7931^	1940	6904	257	2079	58

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> transmission sent as message 0 0 0

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 8	1600	10343	1620	9264	1640	8116	124	9374	82
Sat 9	1310	13926^	1330	12126	1350	---	919	0 0 0	
Sun 10	1830	10843	1850	9243	1910	7843	828	982	207
Mon 11	0430	6857	0450	7557	0510	---	850	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972	1320	13472	1340	11472	944	472	181
	1600	12162^	1620	11566	1640	10711	546	4119	95
	1700	9176	1720	7931	1740	6904	257	2277	71
	1800	9176	1820	7931	1840	6904	257	4264	45
	1900	9176	1920	7931	1940	6904	257	1565	49
	2300	8145		Special 69 min	Trans Two	-mission GCs ?	558	8983	1234
								8983	1211
Tue 12	0340	8173	0400	9173	0420	10173	111	381	159
	1830	10343	1850	9264	1910	8116	124	2095	52
Wed 13	1500	14492	1520	13392	1540	11092	944	472	181
	1700	8047^	1720	6802	1740	5788	463	6239	47
	1830	11435	1850	10598	1910	9327	938	3612	61
	2100	9379	2120	7979	2140	---	398	0 0 0	
Thu 14	0340	8173	0400	9173	0420	10173	111	381	159
	0630	7984^	0650	9184	0710	---	911	0 0 0	
	1700	9176	1720	7931	1740	6904	257	1744	59
	1700	10343	1720	9264	1740	8116	124	6202	77
	1800	10343	1820	9264	1840	8116	124	1876	64
	1900	9176^	1920	7931^	1940	6904	257	9736	48

\* Time of transmissions offset due to length of message

\*\* ID 613 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 15	1600	10343	1620	9264	1640	8116	124	6211	71
Sat 16	1310	13926^	1330	12126^	1350	---	919	0 0 0	
Sun 17	1830	10843	1850	9243	1910	7843	828	4647	213
Mon 18	0430	6857	0450	7557	0510	---	850	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972^	1320	13472	1340	11472	944	954	219
	1600	12162	1620	11566	1640	10711	546	8055	90
	1700	9176^	1720	7931	1740	6904	257	5357	79
	1800	9176	1820	7931	1840	6904	257	5570	49
	1900	9176	1920	7931	1940	6904	257	1031	59
Tue 19	0340	8173	0400	9173	0420	10173	111	124	233
	1830	10343	1850	9264	1910	8116	124	6124	68
Wed 20	1500	14492	1520	13392	1540	11092	944	954	219
	1700	8047^	1720	6802	1740	5788	463	3296	83
	1830	11435	1850	10598	1910	9327	938	5896	57
	2100	9379	2120	7979	2140	---	398	0 0 0	
Thu 21	0340	8173	0400	9173	0420	10173	111	124	233
	0630	7984	0650	9184	0710	---	911	0 0 0	
	1700	9176^	1720	7931^	1740	6904	257	5309	73
	1700	10343	1720	9264^	1740	8116	124	2157	76
	1800	10343	1820	9264	1840	8116	124	8231	51
	1900	9176^	1920	7931^	1940	6904	257	8062	54

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> transmission sent as message 0 0 0

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 22	1600	10343	1620	9264	1640	8116	124	6435	79
Sat 23	1310	13926^	1330	12126^	1350	10926	919	198	89
	2110	13569	2130	13569	2150	---	851	0 0 0	
Sun 24	1830	10843	1850	9243	1910	7843	828	756	171
Mon 25	0430	6857	0450	7557	0510	---	850	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972^	1320	13472	1340	11472	944	465	223
	1600	12162^	1620	11566	1640	10711	546	5639	77
	1700	9176^	1720	7931	1740	6904	257	7626	70
	1800	9176^	1820	7931	1840	6904	257	3254	58
	1900	9176	1920	7931	1940	6904	257	914	46
Tue 26	0340	8173	0400	9173	0420	10173	111	710	197
	1830	10343	1850	9264^	1910	8116	124	1085	63
Wed 27	1500	14492	1520	13392	1540	11092	944	465	223
	1700	8047^	1720	6802	1740	5788	463	9542	91
	1830	11435	1850	10598	1910	9327	938	5759	55
	2100	9379	2120	7979	2140	6879	398	938	97
	2100	16190*	Special Trans	Special Trans	Special Trans	-mission	975	8686	1291
	2110	14869	2130	13569	2150	---	851	0 0 0	
Thu 28	0340	8173	0400	9173	0420	10173	111	710	197
	0630	7984^	0650	9184	0710	---	911	0 0 0	
	1700	9176^	1720	7931	1740	6904	257	2015	81
	1700	10343	1720	9264	1740	8116	124	7746	75
	1800	10343	1820	9264	1840	8116	124	422	59
	1900	9176^	1920	7931^	1940	6904	257	9505	67

\* Freq reported by Danix in use at 1900z with 400+ Msg. Thanks Danix!  
This 1291 Grp msg ended at 2214z – A 74min transmission.

Thanks to Gary (GN) for finding the ID 851 sched on Wed / Sat.

\*\* ID 613 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 1	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	537	195
	1600	12162	1620	11566	1640	10711	546	3109	94
	1700	9176^	1720	7931	1740	6904	257	3423	76
	1800	9176^	1820	7931	1840	6904	257	5038	61
	1900	9176^	1920	7931	1940	6904	257	3038	60
Tue 2	0340	7584	0400	8184	0420	9184	511	613	210
	1830	10343	1850	9264	1910	8116	124	7881	70
Wed 3	1500	13918	1520	12218	1540	10818	991	537	195
	1700	8047^	1720	6802	1740	5788	463	4753	93
	1830	11435	1850	10598	1910	9327	938	2810	54
	2100	8123	2120	6923	2140	---	198	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	
Thu 4	0340	7584	0400	8184	0420	9184	511	613	210
	1700	9176	1740	7931	1740	6904	257	7344	52
	1700	10343	1720	9264	1740	8116	124	1349	71
	1800	10343	1820	9264	1840	8116	124	5120	85
	1900	9176^	1920	7931	1940	6904	257	3121	47
Fri 5	1600	10343	1620	9264	1640	8116	124	3278	84
Sat 6	1310	14468	1330	13568	1350	---	451	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	
Sun 7	1830	13984	1850	12184	1910	10384	913	877	211

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> transmission sent as message 0 0 0

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 8	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	630	157
	1600	12162	1620	11566	1640	10711	546	7688	87
	1700	9176^	1720	7931	1740	6904	257	5688	72
	1800	9176^	1820	7931	1840	6904	257	9459	42
	1900	9176^	1920	7931	1940	6904	257	9616	83
Tue 9	0340	7584	0400	8184	0420	9184	511	914	227
	1830	10343	1850	9264	1910	8116	124	5460	59
Wed 10	1500	13918	1520	12218	1540	10818	991	630	157
	1700	8047^	1720	6802	1740	5788	463	9231	62
	1830	11435	1850	10598	1910	9327	938	9388	50
	2100	8123	2120	6923	2140	---	198	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	
Thu 11	0340	7584	0400	8184	0420	9184	511	914	227
	1700	9176	1740	7931	1740	6904	257	7389	84
	1700	10343	1720	9264^	1740	8116	124	9003	80
	1800	10343	1820	9264	1840	8116	124	741	43
	1900	9176	1920	7931	1940	6904	257	5004	58
Fri 12	1600	10343	1620	9264	1640	8116	124	8775	93
Sat 13	1310	14468^	1330	13568	1350	---	451	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	
Sun 14	1830	13984	1850	12184	1910	10384	913	381	193

\* Time of transmissions offset due to length of message

\*\* ID 501 Msgs transmitted in MCW



Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 15	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	149	163
	1700	9176^	1720	7931	1740	6904	257	1881	73
	1800	9176^	1820	7931	1840	6904	257	5652	48
	1900	9176^	1920	7931	1940	6904	257	635 /	57 /
	<b>M12a</b>						257	741	43
Tue 16	0340	7584	0400	8184	0420	9184	511	427	249
	1830	10343	1850	9264	1910	8116	124	1653	69
Wed 17	1500	13918	1520	12218	1540	10818	991	149	163
	1700	8047^	1720	6802	1740	5788	463	5424	85
	1830	11435	1850	10598	1910	9327	938	5581	55
	2100	8123	2120	6923	2140	---	198	0 0 0	
	2110	13369	2130	12179	2150	10469	314	714	147
Thu 18	0340	7584	0400	8184	0420	9184	511	427	249
	1700	9176^	1740	7931^	1740	6904^	257	??	??
	1700	10343	1720	9264^	1740	8116^	124	7673	79
	1800	10343	1820	9264	1840	8116^	124	5883	75
	1900	9176^	1920	7931^	1940	6904^	257	7498	67
Fri 19	1600	10343	1620	9264	1640	8116	124	5871	89
Sat 20	1310	14468	1330	13568	1350	12178	451	374	95
Sun 21	1830	13984	1850	12184	1910	10384	913	567	217

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> transmission sent as message 0 0 0

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 22	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	353	209
	1600	12162	1620	11566	1640	10711	546	2445	90
	1700	9176^	1720	7931	1740	6904	257	6316	77
	1800	9176	1820	7931	1840	6904	257	4216	57
	1900	9176	1920	7931	1940	6904	257	5831	40
Tue 23	0340	7584	0406*	8184	0432*	9184	511	7548	293
	1830	10343	1850	9264	1910	8116	124	5988	61
Wed 24	1500	13918	1520	12218	1540	10818	991	353	209
	1700	8047^	1720	6802	1740	5788	463	3072	100
	1830	11435	1850	10598	1910	9327	938	1819	52
	2100	8123	2120	6923	2140	---	198	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	
Thu 25	0340	7584	0400	8184	0420	9184	511	7548	293
	1310	14468^	1330	13568	1350	---	451	0 0 0	
	1700	9176	1740	7931	1740	6904	257	5591	58
	1700	10343	1720	9264^	1740	8116	124	3565	78
	1800	10343	1820	9264	1840	8116	124	3748	92
	1900	9176^	1920	7931	1940	6904	257	3905	50
Fri 26	1600	10343	1620	9264	1640	8116	124	9833	77
Sat 27	1310	14468^	1330	13568	1350	---	451	0 0 0	
Sun 28	Not Monitored								

Thanks to Gary (GN) for finding the ID 451 transmission on Thu (Pairs with Sat)

\* Time of transmissions offset due to length of message

\*\* ID 501 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont....									
Cont....									
Cont....									
Fri 29 July	1600	10343	1620	9264	1640	8116	124	3192	92
Sat 30 July	1310	13926^	1330	12126^	1350	---	919	0 0 0	
July	2110	14869	2130	13569	2150	---	851	0 0 0	
Sun 31 July	1830	10843	1857*	9243	1924*	7843	828	798	349

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont....									
Cont....									
Cont....									
Mon 29 Aug	0500	7562**	0520	9062**	0540	---	501	0 0 0	
Aug	1300	14964	1320	13972	1340	12164	991	961	139
	1600	12162	1620	11566	1640	10711	546	3766	83
Sat 30 Aug	1700	9176^	1720	7931	1740	6904	257	3800	76
Aug	1800	9176^	1820	7931	1840	6904	257	9311	69
	1900	9176^	1920	7931	1940	6904	257	7044	97
Tue 30 Aug	0340	7584	0406*	8184	0432*	9184	511	449	127
Aug	1830	10343	1850	9264	1910	8116	124	9552	62
Wed 31 Aug	1500	13918	1520	12218	1540	10818	991	961	139
Aug	1700	8047^	1720	6802	1740	5788	463	4613	62
	1830	11435	1850	10598	1910	9327	938	4971	66
	2100	8123	2120	6923	2140	---	198	0 0 0	
	2110	13369	2130	12179	2150	---	314	0 0 0	

\* Time of transmissions offset due to length of message  
 Highlighted cell indicates new or changed loggings  
 --- Indicates no 3<sup>rd</sup> transmission sent as message 0 0 0  
 ^ Weak reception NH Not Heard NF Not Found

\*\* ID 501 Msgs transmitted in MCW

Family 1A History and September predictions - 26th August 2011

Station Day	time (utc)	2011 June	2011 July	2011 August	2011 September	ID June	ID July	ID Aug	ID Sept	week
G06 mon	08.00	6948	6948	6948	6774	215	215	215	215	every
G06 mon	17.00	5427	5427	5427	4457	439	439	439	439	1 & 2
G06 mon	18.00	4958	4958	4958	4864	439	439	439	439	1 & 2
S06 mon	19.00/05	7982/6984	7982/6984	7982/6984	5784/5127	349	349	349	349	every
S06 mon	20.15	13460	14385	13545		378	764	433		2 & 4
S06 mon	21.15	11090	12205	11140		378	764	433		2 & 4
S06 tues	18.00									1 & 2
M14 tues	18.20	6856	6856	6856	5947	163	163	163	346	2 & 4
G06 wed	12.00				5864?	439	439	439	439	1 & 2
G06 wed	13.00				5435?	439	439	439	439	1 & 2
S06 wed	18.00/05	6770/5865	6770/5865	6770/5865	5735/5070	471	471	471	471	every
M14 wed	19.20	5932	5932	5941	5463	417	417	417	537	2 & 4
E06 wed	19.20	NH	5779	5779	4818?	829	829	829	829	2
S06 wed	19.30/05					366	366	366	366	Sat R
S06 wed	20.00/05					134	134	134	134	Sat R
E06 wed	20.20	4516	4516	4516		829	829	829	829	2
E06 thur	05.00	14710	14580	13930	12210	328	679	210	354	every
E06 thur	06.00	16240	16090	15890	14830	328	679	210	354	every
S06 thur	08.30			16327	18MHz	842	842	842	842	every
S06 thur	09.30			13875	16311?	842	842	842	842	every
E06 thur	13.00	13408				826				4
E06 thur	14.00	11554				826				4
G06 thur	18.30	6887	6887	6887	5934	842	842	842	579	2 & 4
S06 thur	19.00/05	7982/6984	7982/6984	7982/6984	5784/5127	349	349	349	349	every
E06 thur	20.30	5948	5948	5948	5186	724	724	724	891	1 & 3
G06 fri	19.30	5943	5943	5943	5442	218	218	218	947	2 & 4
E06 fri	21.30	5731	5731	5731	5197	315	315	315	634	1 & 3
E06 sat	00.30	8142	9061	7981	6874	759	759	759	759	every
E06 sat	01.30	7608	7844	6953	5179	759	759	759	759	every
S06 sat	16.00/05	8157/6983	8157/6983	8157/6983	8162/7612	134	134	134	134	every
S06 sat	19.00	10178	10178	10178	6791?	703	703	703	703	1 & 3
S06 sat	19.00	6943	6943	6943		837	837	837	837	1 & 3
S06 sat	19.30/35	7718/6922	7718/6922	7718/6922	5787/4628	366	366	366	366	every
S06 sat	20.00	5926	5926	5926		837	837	837	837	1 & 3
S06 sat	20.00	9065	9065	9065	5848	703	703	703	703	1 & 3
E06 sun	11.20	8083	8083	8083	7409	829	829	829	829	2
E06 sun	12.20	7363	7363	7363	6793	829	829	829	829	2

NH = Not heard

R = repeat if there is a message on Saturday



### Thursday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0430				7437	7437	7437	7437	7437	7437	5146		
0450				8137	8137	8137	8137	8137	8137	5846		
0510				9137	9137	9137	9137	9137	9137	6846		
0530	5146	5146	5146								5146	5146
0550	5846	5846	5846								5846	5846
0610	6846	6846	6846								6846	6846
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	6892		
0740				9241	9978	10127	10127	9241	8193	7582		
0800	5416	5867	6893								5867	5234
0820	5816	6767	7493								6767	5734
0840	6916	7367	8193								7367	6834
2010				9387	11539	12213	11539	10753	9387	7516		
2030				7526	10547	10714	10547	9147	7526	5836		
2050				5884	93**	9347	93**	7637	5884	4497		
2110	6777	6777	7516								6777	6777
2130	5449	5449	5836								5449	5449
2150	4483	4483	4497								4483	4483

### Sunday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1700				12123	13388	13468	13468	13388	12223	11454		
1720				10703	12088	12141	11454	12088	11062	9423		
1740				8123	10118	10436	10126	10118	10116	8123		
1800	6774	7697	9923								8183	6982
1820	5836	6863	9068								6982	5836
1840	4893	5938	7697								5938	4938

The hundredths digit in each frequency trio gives the ID  
i.e. 6774 5836 4893 = 788

*Revised 4th January 2010*

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Pam	Jul kHz, ID, ...	Aug kHz, ID, ...	Sep kHz, ID, ...	Oct kHz, ID, ...	General Remarks
x							0450		E11	03	10800 416/00	10800 416/00	6304 416/00	6304 416/00	since 02/10, last log 08/11
x			x				0645		E11	03	13424 517/00	13424 517/00	10800 517/00	10800 517/00	since 07/09, last log 08/11
x			x				0710		E11	03	14753 633/00	14753 633/00	10221 633/00	10221 633/00	since 02/11, last log 08/11
x		x					0820		E11	03	6280 438/00	6280 438/00	6814 438/00	6814 438/00	since 10/09, last log 08/11
			x		x		0820		M03	03	6524 761/00	6524 761/00	761/00, search	761/00, search	since 11/10, last log 08/11
x			x				0830		E11	03	12924 649/00	12924 649/00	10690 649/00	10690 649/00	since 01/10, last log 08/11
x		x					0900		E11	03	13427 534/00	13427 534/00	9399 534/00	9399 534/00	since 10/09, last log 08/11
			x		x		0900		E11	03	4909 248/00	4909 248/00	4909 248/00	4909 248/00	since 02/10, last log 08/11
x			x				0915		S11A	03	8530 484/00	8530 484/00	484/00, search	484/00, search	since 01/10, last log 08/11
		x	x				0930		E11	03	10210 270/00	10210 270/00	8800 270/00	8800 270/00	since 02/10, last log 08/11
x			x				0940		G11	03	6986 275/00	6986 275/00	7317 275/00	7317 275/00	since 01/10, last log 08/11
x			x				1015		S11A	03	16530 475/00	16530 475/00	16112 475/00	16112 475/00	since 04/10, last log 08/11
		x	x				1020		S11A	03	11581 426/00	11581 426/00	9960 426/00	9960 426/00	since 02/10, last log 07/11
			x		x		1020		S11A	03	5815 221/00	5815 221/00	5815 221/00	5815 221/00	since 01/09, last log 08/11
x	x						1045		E11	03	9610 469/00	9610 469/00	7449 469/00	7449 469/00	since 03/10, last log 08/11
x					x		1050		E11	03	3815 127/00	3815 127/00	6433 127/00	6433 127/00	since 01/10, last log 08/11
x	x	x					1115		M03	03	7837 272/00 (Tue) & 650/00 (Wed/Thu)	7837 272/00 (Tue) & 650/00 (Wed/Thu)	9150 272/00 (Tue) & 650/00 (Wed/Thu)	9150 272/00 (Tue) & 650/00 (Wed/Thu)	since 10/09, last log 08/11
x				x			1135/1140		M03	03	6524 786/00	6524 786/00	6977 786/00	6977 786/00	since 02/10, last log 08/11
		x	x		x		1155		E11	03	16335 718/00	16335 718/00	15915 718/00	15915 718/00	since 04/11, last log 08/11
x					x		1240		E11	03	6252 349/00	6252 349/00	5737 349/00	5737 349/00	since 08/09, last log 08/11
			x			x	1320		M03	03	7837 437/00	7837 437/00	9150 43#/00	9150 43#/00	since 02/11, last log 08/11 438/00?
				x	x		1325		G11	03	5815 299/00	5815 299/00	5815 299/00	5815 299/00	since 03/10, last log 08/11
x					x		1355		S11A	03	4909 254/00	4909 254/00	254/00, search	254/00, search	since 01/11, last log 08/11
		x			x		1445		E11	03	4909 267/00	4909 267/00	4909 267/00	4909 267/00	since 01/10, last log 07/11
		x		x	?		1535		M03	03	6524 798/00	6524 798/00	6977 798/00, search	6977 798/00, search	since 11/10, last log 08/11
x					x		1540		E11	03	16335 228/00	16335 228/00	15915 228/00	15915 228/00	since 03/11, last log 06/11
			x				1730		E11	03	8088 416/00	8088 416/00	9371 416/00	9371 416/00	since 03/10, last log 08/11
	x				?	x	1755		G11	03	5815 270/00	5815 270/00	5815 270/00	5815 270/00	since 02/10, last log 08/11
			x		x		2000		G11	03	3815 262/00	3815 262/00	6433 262/00	6433 262/00	since 01/11, last log 08/11

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jul kHz, ID, ...	Aug kHz, ID, ...	Sep kHz, ID, ...	Oct kHz, ID, ...	General Remarks
x							0800		G06	01A	6948 215	6948 215	6774 215	6774 215	since 07/10, <b>last log 08/11</b>
	x						1200		G06	01A	439, search	439, search	5864 439	5864 439	since 01/11, last log 04/11 yearly changing id
	x						1300		G06	01A	439, search	439, search	439, search	439, search	since 04/09, last log 01/11 yearly changing id
x							1700		G06	01A	5427 892	5427 892	4457 439	4457 439	since 04/10, <b>last log 07/11</b> yearly changing id
x							1800		G06	01A	4958 439	4958 439	4864 439	4864 439	since 05/09, last log 06/11 yearly changing id
			x				1830	2/4	G06	01A	6887 842	6887 842	5935 579	5935 579	since 05/01, <b>last log 07/11</b>
			x				1930	2/4	G06	01A	5943 218	5943 218	5442 947	5442 947	since 04/01, <b>last log 07/11</b> rpt of Thu 1830Z

S06s schedule - amended 26th August 2011

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	12.00	8420	9145	10230	831	1 hour later Nov to March
mon	12.10	10635	11460	12165	831	
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080	16735	438	
tue	06.10		12355	15230	438	
tue	07.00	5250	5760	5430	374	
tue	07.15	6320	6930	6780	374	
tue	08.00	5810	7320	7245	418	
tue	08.10	7440	9840	9670	418	
tue	08.00	10265	11635	14373	352	
tue	08.10	9135	10420	12935	352	
tue	12.30	5810	4 mhz?	7650	278	
tue	12.40	6770	5805	6125	278	
tue	15.00	5070	6464	6666	537	
tue	15.10	6337	7242	7744	537	
wed	05.30	9435	10835	11435	153	
wed	05.40	11075	12170	12650	153	
wed	07.30	7335	7335	7335	745	1 hour later Nov to April
wed	07.40	11830	11830	11830	745	
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	5835	471	
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	10.00	12365	13365	14580	729	
wed	10.10	14280	14505	16020	729	
wed	12.00	7030	7120	7765	481	
wed	12.10	6305	6415	6815	481	
wed	12.30	4580	7620	7545	967	
wed	12.40	6420	8105	8220	967	
wed	19.00	8530	9220	10170	371	
wed	19.10	7520	8270	9110	371	
thu E17z	08.00	11170	14260	16780	674	
thu E17z	08.10	9820	12930	12850	674	
thu	09.00	12952	12952	12952	167	
thu	09.10	13565	13565	13565	167	
thu	12.00	10580/12155	12560	12155	425	
thu	12.10	9950/10920	13065	14535	425	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
thu	14.00	5320	5320	5320	624	
thu	14.10	4845	4845	4845	624	
fri	06.00	5460	6340	8340/8720	934	
fri	06.10	7070	5470	5810/10415	934	
fri	06.00	7150	7795	7845	196	1 hour later Oct to March
fri	06.10	8215	8695	9125	196	
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	12.00	?	10350	12460	254	Only week 1
sat	12.10	8260	?		254	



**Current Cuban Skeds Heard From 0000-0700 UTC**  
**This covers 1900-0200 local EDT in the USA**  
**(July-August 2011)**

	0000	0100	0200	0300	0400	0500	0600	0700	
<b>SUN</b>							9124(SK)0600	5883(P)	
							9063(SK)0630		
							5898(P)	5800(S)	
<b>MON</b>				6855(P)	6768(S)	13380(SK)	11435(SK)	5883(P)	
				5800()	5117()	12180(SK)(?)	11532(SK)(?)		
							5898(P)	5800(S)	
<b>TUE</b>						6768()	12120(SK)	5883(P)	
						5117()	13380(SK)		
				6380()					
							5898(P)	5800(S)	
<b>WED</b>						12120(SK)	11435(SK)	5800(SK)	
						13380(SK)	11532(SK)		
							9063(SK)0600		
							5898(SK)0630		
							5810(P)(?)	5810(S)(?)	9153(P)
<b>THUR</b>						13380(SK)	9124(SK)0600	5883(P)	
						12120(SK)	9063(SK)0630		
				8009(P)	8009(S)				
			9620()	10445(P)	11565(S)		5898(P)	5800(S)	
<b>FRI</b>									
		6768(P)	5417(S)				12120(SK)	11435(SK)	5883(P)
							13380(SK)	11532(SK)	
							5898(P)	5800(S)	5800(S)
<b>SAT</b>									
		6768(P)	5417(S)	6855()			11435(SK)	5883(P)	
							11532(SK)		
							5898(P)	5800(S)	

**New possible skeds found:**

V02a	MON	0300z	5800M	Gil
SK01	TUE	0600z	9124m	Jon-FL
SK01	TUE	0630z	9063m	Jon-FL
M08a	TUE	0300z	6380m	Winslow
V02a	FRI	0100z	6768m	Gil
V02a	SAT	0100z	6768m	DJ

Thanks

**Current Cuban Skeds Heard From 0800-1500 UTC**  
**This covers 0300-1000 local EDT in the USA**  
**(July-August 2011)**

SUN	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)							
		10432(P)	9112(S)	4478()				

MON	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)							
	8186(SK)	9063(SK)						
						8096(P)(?)	8096(S)(?)	
						12116(P)	12134(S)	
	10432(P)	9112(S)						

TUE	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)		8186(SK)1000					
	8180(SK)	8180(SK)	7890(SK)1030					
		5947(SK)0900(?)						
		5930(SK)0930(?)						
						12214(P)	13374(S)	

WED	0800	0900	1000	1100	1200	1300	1400	1500
	5800(SK)	9040(P)	9240(S)					
	8186(SK)	9063(SK)						
						8096(P)(?)	8096(S)(?)	
						10714(P)	10857(S)	
9063(S)	9153(?)							

THUR	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)		8186(SK)1000					
	8180(SK)	8180(SK)	7890(SK)1030					
		5947(SK)0900(?)						
		5930(SK)0930(?)						
						12116(P)	12134(S)	

FRI	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)							
							8096(P)(?)	8096(S)(?)
							12214(P)	13374(S)
9063(S)	10432(P)	9112(S)	4478()					

SAT	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					
	8186(SK)	9063(SK)						
	5883(SK)	5947(SK)0900(?)						
		5930(SK)0930(?)						
					4478()			

New skeds found:

SK01            SAT            0800z            5883m            Gil (Expected this sked to be on 8186m)    Thanks

Current Cuban Skeds Heard From 1600-2300 UTC  
This covers 1100-1800 local EDT in the USA  
 (July-August 2010)

<b>SUN</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>

<b>MON</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
	<i>6768(SK)</i>							
				6785(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)				

<b>TUE</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
	<i>6768(SK)</i>			<i>12180(P)</i>	<i>13380(S)</i>			
				6785(P)	7554(S)		7526(P)	8135(S)

<b>WED</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
	<i>6768(SK)</i>							
				6785(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)		6932(P)	6854(S)	

<b>THUR</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
	<i>6768(SK)</i>			<i>12180(P)</i>	<i>13380(S)</i>			
				6785(P)	7554(S)		8009(P)	8135(S)
						6932(P)	6854(S)	

<b>FRI</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
	<i>6768(SK)</i>							
				6785(P)	7554(S)		7519(P)	8135(S)
			8097(P)	8097(S)				

<b>SAT</b>	<b>1600</b>	<b>1700</b>	<b>1800</b>	<b>1900</b>	<b>2000</b>	<b>2100</b>	<b>2200</b>	<b>2300</b>
				6785(P)	7554(S)			
			8097(P)	8097(S)				

Notes:  
 Skeds in MCW mode indicated in shaded cell.  
 V2a skeds are indicated in italic fonts.  
 M8a skeds are indicated in normal fonts.  
 The primary or first sked is indicated with (P).  
 The secondary, second or repeat sked is indicated with (S).  
 All skeds normally begin on the hour.  
 Frequencies listed as ( ), denote primary or secondary sked not determined.  
 Frequencies listed without ( ), denotes a possible sked.  
 Skeds with (?) have not been heard in over two months.

SK01 notes:  
 At present SK01 seems to be using exclusively RDFT mode.

New skeds noted:

M08a	SAT	1900z	6785m	Kd4kym
M08a	SAT	2000z	7554m	Kd4kym

--Updated August 26, 2011--

Cuban Desk Contributors:

<i>Barry_BS3 (Tennessee, USA)</i>	<i>"dj" westli1 (California, USA)</i>
<i>Jon-FL (Florida, USA)</i>	<i>MS (Michigan, USA)</i>
<i>WesttIus (Florida, USA)</i>	<i>Kd4kym (South Carolina, USA)</i>
<i>Rich Ray</i>	<i>gilbertovernamas</i>
<i>rtsanch</i>	<i>Winslow</i>

## XPA Polytones

### July 2011

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0440z: 9287kHz 2. 0500z: 10487kHz 3. 0520z: 11487kHz

ID244 Mode: USB [Tue/Thu]

**ID/msg/serial no/gc/dk/end grp**

05Tue	244 1 00782 00061 99788 31133	[3m02s]
07Thu	244 1 00782 00061 99788 31133	[3m02s]
12Tue	244 1 00559 00187 24675 06516	[4m19s]
14Thu	244 1 00559 00187 24675 06516	[4m19s]
19Tue	244 1 00797 00103 04751 53776	[3m25s]
21Thu	244 1 00797 00103 04751 53776	[3m25s]
26Tue	244 1 00413 00197 97626 00564	[4m26s]
28Thu	244 1 00413 00197 97626 00564	[4m26s]

### XPA b Morning 0440z Schedule

Generally strong across the schedule.

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1400z: 11567kHz 2. 1420z: 10867kHz 3. 1440z: 9967kHz

ID589 Mode: USB [Sun/Tue]

**ID/msg/serial no/gc/dk/end grp**

03Sun	589 000 09457 00001 00000 10140	[2m26s]
05Tue	589 000 08465 00001 00000 10140	[2m26s]
10Sun	Very poor, no copy	
12Tue	589 000 02851 00001 00000 10140	[2m26s]
17Sun	589 1 00548 00133 06822 73201	[3m49s]
19Tue	Very poor, no copy	
24Sun	589 000 09345 00001 00000 10140	[2m26s]
26Tue	Missed	
31Sun	589 000 09345 00001 00000 10140	[2m26s]

### XPA d 1400z Afternoon schedule

Fair copy on occasion, usually on 1400z freq, rest very weak.

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1730z 10943kHz 2. 1750z: 10243kHz 3. 1810z: 9243kHz

ID922 Mode: USB [Tue/Thu]

**ID/msg/serial no/gc/dk/end grp**

05Tue	922 1 00772 00183 17589 57377	[4m 16s]
07Thu	922 1 00772 00183 17589 57377	[4m 16s]
12Tue	922 1 00898 00137 35995 34123	
14Thu	922 1 00898 00137 35995 34123	
19Tue	922 1 00252 00165 16481 47007	
21Thu	Very poor, no copy	
26Tue	Very poor, no copy	
28Thu	Very poor, no copy	

### XPA e 1730z Evening schedule

Fair to strong in Poland and Norway,  
Elsewhere not heard.

August 2011

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0440z: 8034kHz 2. 0500z: 9234kHz 3. 0520z: 10834kHz

ID828 Mode: USB [Tue/Thu]

**ID/msg/serial no/gc/dk/end grp**

02Tue	828 000 04873 00001 00000 10140	[2m26s]
04Thu	828 1 00870 00511 99171 33000	[7m43s]
09Tue	828 2 00230 00077 01154 35221 00000 00000 00870 00511 99171 33000	[8m34s]
11Thu	828 1 09611 00299 13419 65327	[5m30s]
16Tue	828 1 00862 00485 13399 55336	[7m26s]
18Thu	828 1 543 267 69180 38849*	[5m10s]
23Tue	828 1 00684 00129 62644 06145	[3m41s]
25Thu	828 1 00104 00363 13481 22607	[6m10s]
30Tue	828 1 00901 00547 76892 41526	[8m04s]

\*Assembled incorrectly, grps 1 to 3 and synchs mid grp

XPA b Morning 0440z Schedule

Generally strong signals. Note long messages and incorrect? Constructor 18/08

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1400z: 10967kHz 2. 1420z: 9967kHz 3. 1440z: 9267kHz

ID992 Mode: USB [Sun/Tue]

**ID/msg/serial no/gc/dk/end grp**

02Tue	Too weak for copy	
07Sun	992 000 09457 00001 00000 10140	[2m26s]
09Tue	992 000 08465 00001 00000 10140	[2m26s]
14Sun	992 1 04992 00149 61321 06563	[3m56s]
16Tue	992 1 04992 00149 61321 06563	[3m56s]
21Sun	992 000 08451 00001 00000 10140	[2m26s]
23Tue	992 000 08465 00001 00000 10140	[2m26s]
28Sun	992 000 08901 00001 00000 10140	[2m26s]
30Tue	992 000 08465 00001 00000 10140	[2m26s]

XPA d 1400z Afternoon schedule

Variable signals across the month ranging weak to strong.

Next month early morning sending is expected for the Sunday sending.

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1730z 12187kHz 2. 1750z: 10787kHz 3. 1810z: 9387kHz

ID173 Mode: USB [Tue/Thu]

**ID/msg/serial no/gc/dk/end grp**

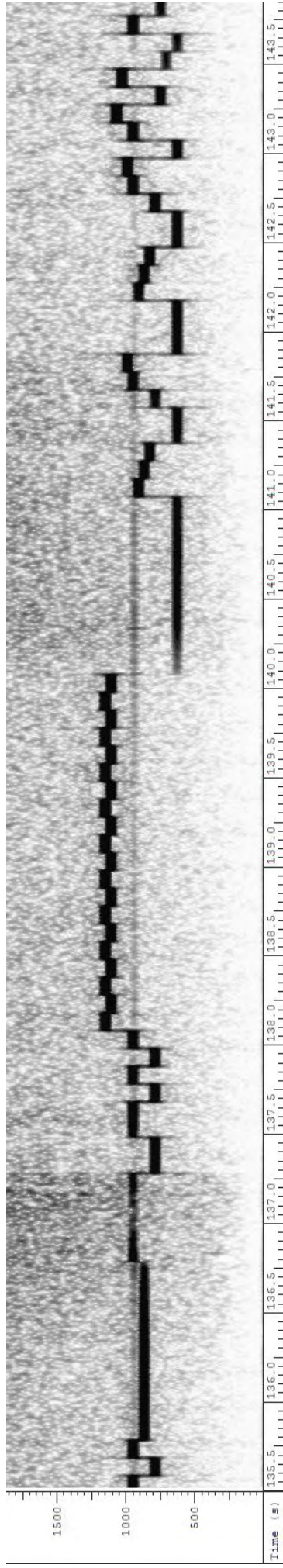
02Tue	173 1 00557 00179 39509 12700	[4m14s]
04Thu	173 1 00557 00179 39509 12700	[4m14s]
09Tue	173 1 00158 00195 51340 24375	[4m27s]
11Thu	173 1 00158 00195 51340 24375	[4m27s]
16Tue	173 1 00762 00133 63564 52332	[3m47s]
18Thu	173 1 00762 00133 63564 52332	[3m47s]
23Tue	173 1 00342 00211 96936 04654	[4m36s]
25Thu	173 1 00342 00211 96936 04654	[4m36s]
30Tue	173 1 00764 00063 80562 71134	[3m04s]

XPA e 1730z Evening schedule

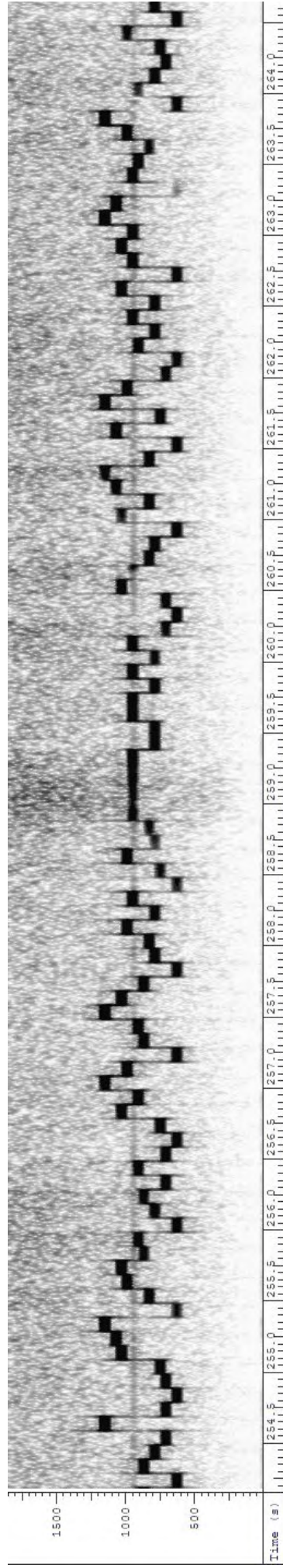
Mainly strong transmissions, last sometimes weak.

XPA b transmission 0440/0500/0520z 18/08/2011 refers

8 828 828 1 828 828 828 1 828 828 828 1  
**543 267 543** 267 69180 61112 66699 09505 67190 50303 10955 71908 41079 64859 49645 43315 56155 22376 01358 44419 14558 60893 58611 35238 26702 41375 67708 33442 0066 46651 45210 35386 23200 29432  
75581 89129 79168 88845 00115 29966 40293 13888 19071 70289 99213 45935 53820 28445 84316 33981 81936 89142 75971 84206 7152 06238 22059 02897 19000 75722 63877 67921 38238 55851 **5540**  
**2** 77076 35702 99669 86860 29788 14822 64208 70394 55666 90840 75020 8106399115 97559 6655 22622 82696 30107 77396 63670 27571 87332 56028 68328 14522 36596 12433 67663 95714 2610 63017 31637 18875  
19838 51316 25875996553 0065 229720077  
55637 21832 25374 92953 55251 17048 24527 9362 11486 24693 13552 49347 17605 00410 29649 48798 74114 19798 84386 93921 79741 63855 73736 77196  
33780 29988 93935 51464 27363 89736 41588 88651 51276 13157 43162 62294 16122 39598 01464 98974 04721 95406 05203 08720 65566 07970 8107 22355 00408 72216 65740 35513 40309 77495 00849 50018  
00212 88524 72065 88205 21967 23831 68542 43696 83044 49430 42834 62856 51698 48994 38877 33948 6161 5594 72847 56699 62379 84380 87114 42000 01899 37845 24050 18557 45584 23726 **1725**  
**0** 08632 83993 91170 52628 68669 65377 22017 29500 07866 2999588744 27954 24810 54193 32101 00570 92973 12849 62710 20805 27368 96402 66251 45081 63687 14596 70157 29268 51482 75116 89379779651  
1645302738 5921 90414 91993 8489 17644 19186 99075 79826 59870 30555 88397 79456 85553 36579 01523 21463 22722 56066 82024 51438 57312 28725 08935 69945 64672 49272 8687543553 36034 8983  
**2** 55600 65700 78110 87228 20425 70293 58801 60374 83182 97602 50322 64880 73025 38849+++++++66666676



Wrong start 543 267 543 267, note space lengths



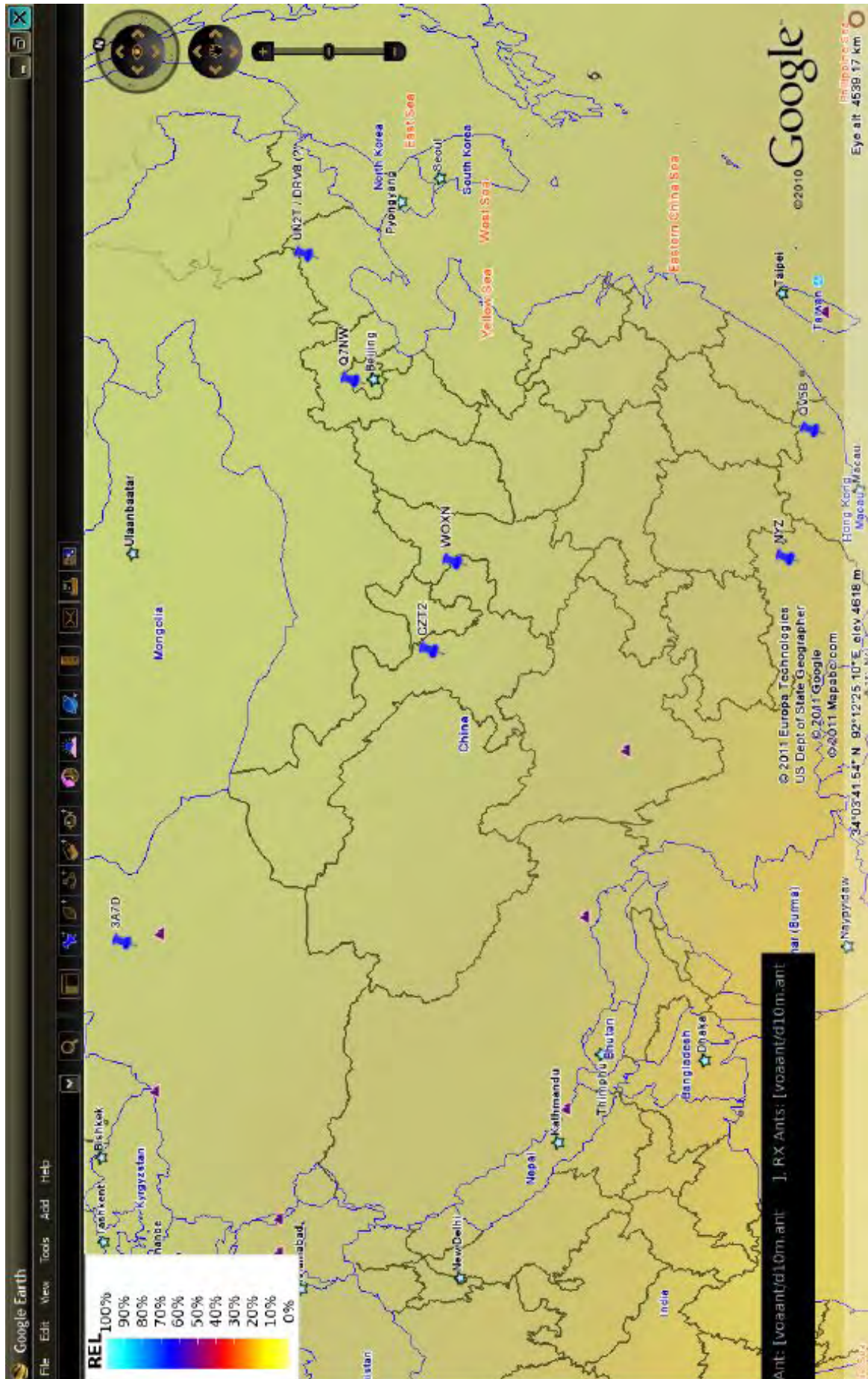
Sync wrongly placed — 4 characters before, one after.



## M89 Update

After reading my update on M89 in last month's E2K Newsletter, I noticed a few errors that I'd like to correct. As well, I've also found some additional information on M89 that I'd like to share with E2K readers.

Please refer to the updated map of M89 locations.



The location of Q7NW had been incorrectly plotted and has been updated.

As can be seen, Q7NW is located very close to Beijing.

I've also included 3A7D that was missed when the previous map was generated. Hopefully, the blue negative background will make it easier for readers to see the locations.

If one looks carefully at the map it appears that CZT2 / WOXN / Q7NW / DVR8 almost form a straight line, while QV5B and 3A7D are located quite far away from the others or in the extremes so to speak.

Since the disappearance of UN2T back in May and the appearance of DVR8, I'm now almost convinced that the UN2T callsign has been changed to DVR8.

This is based on DVR8 appearing soon after the disappearance of UN2T. As well, DVR8 appears to be using most of the frequencies that were being used by UN2T.

While searching the Internet for information regarding M89, I came across a Chinese forum related to amateur radio, which contained some references to M89.

Back in Aug 03, a forum member mentioned that he had copied the following in the 40 metre amateur radio band: V B7TZ (x3) DE 8PNX (x2).

Since this forum is in Chinese, I used the translation tool contained in the web browser I was using.

As was expected, the translation was not great, but I believe that it was good enough to provide some valuable information.

According to one of the operators on this forum, these stations belong to the Chinese Army.

He had once worked on the communication staff and was responsible for determining day and night time frequencies according to seasons. He also mentioned that callsigns changed regularly.

Another forum member refers to these stations as "Force-Frequency-Alarm-Units" and states that their purpose is to provide notification in the event of a nuclear war or raid.

There is also mention of a 3 minute and 1 minute timeframe, but the translation did not make any sense.

Apparently, this communication system was established in 1970 or 41 years ago and still going strong.

JPL

*Many thanks JPL*



**SPECIAL MATTERS:**

**Operation Jallaa: 0**

**MESSAGES:**

D Thanks for letter etc. See next NL. Hope all ok with you.

**RELEVANT WEBSITES**

ENIGMA 2000 Group: <http://groups.yahoo.com/group/enigma2000>

ENIGMA 2000 Website: <http://www.enigma2000.org.uk>

Frequency Details can be downloaded from: <http://www.cvni.net/radio/>

More Info on 'oddities' can be found on Brian of Sussex' excellent web pages: <http://www.brogers.dsl.pipex.com/page2.html>

Time zone information: <http://www.timeanddate.com/library/abbreviations/timezones/>

Encyclopedia of Espionage, Intelligence, and Security <http://www.espionageinfo.com/>

**EyeSpyMag!**

<http://www.eyespymag.com>

2011						
<b>January</b>						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
<b>February</b>						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					
<b>March</b>						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
<b>April</b>						
Su	M	Tu	W	Th	F	Sa
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
<b>May</b>						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
<b>June</b>						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
<b>July</b>						
Su	M	Tu	W	Th	F	Sa
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
<b>August</b>						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
<b>September</b>						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
<b>October</b>						
Su	M	Tu	W	Th	F	Sa
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
<b>November</b>						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			
<b>December</b>						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31