

678	27364	92836	89428	61288	74982	36498	32764	81276	81
986	48932	78987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	76
723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98678	27681	56781	57681	73648	15
591	87364	87265	96718	27638	12673	84769	28743	98127	58
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
657	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
76	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
81	32787	58765	76587	58765	76587	58765	76587	58756	765
75454	86543	54365	36543	54365	36543	54365	36543	54365	543

# *Numbers & Oddities* *a.k.a. The Spooks Newsletter*

*Edition #156, September 2010*

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

NUMBERS & ODDITIES <http://www.ary.luna.nl>

<http://www.numbersoddities.nl>

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

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

Hello all, welcome to the 156<sup>th</sup> edition of "Numbers & Oddities" and the first one in the new format. Please let me know how you like this format.

We ended the August edition with the news that S28 **the Buzzer** was offline and that pirates took over 4625 kHz. A lot has happened since that day. See our S28 run down in this newsletter.

***Another surprise: S30 also sent a message in September.***

Shortwave America posted a link to his website which contains many links to "numbers" related websites. Check it out !

<http://shortwaveamerica.blogspot.com/2010/09/numbers-stations-comprehensive.html>



Rainer has updated his virtual Utility Radiomuseum.  
Nice job, Rainer!

<http://www.utilityradio.com/>

## **VOICE STATIONS**

### **::: E11**

E11, usually very often heard was not reported between 1 and 15 Sept. Mike was the first to copy this family again. He heard E11 at 1128 UTC on 15 Sept. on 15915 kHz: "Seven One Eight Oblique Zero Zero" (718/00).

### **::: G06**

An unid German language station transmitted on 20-9 at 0707-0712 UTC on 6774 kHz. The only thing that was sent was a 10-count with zwo for 2, fuennef for 5 and noyen for 9.

6774 kHz is a known E07 frequency. I am not sure if this is related, though.

### **::: G11**

We mentioned the odd VAU transmissions that G11 sometimes transmits. Thomas listened to the samples and thinks that maybe a poor pronunciation of the figure "2" (Zwau instead of Zwo) in combination with a bad filter kills the "S" sound of the letter "Z". This would mean that Zwau becomes Vau but in reality it is still "2". So listen again to the recordings of V70 and V99 and let me know what you hear.

Like it's sister E11 not heard since 1 Sept. but finally found by Hans on 19-9 on 5815 kHz at 1205 UTC: "278/37 A 82008 85839 .... 65281 Ende."

### ::: S28 – The Buzzer (UVB-76/UZB-76, MDZhB)

МДЖБ 04979 Дрендют 2852 4471 Тренерский 3752 1321

MDZhB 04979 Drendout 2852 4471 Trenerskij 3752 1321

We have a new station name: МДЖБ (MDZhB) instead of UZB76!



The Buzzer kept us pretty busy in September. It is amazing what you can find about the station when you're browsing the web. Many different stories, ideas, conspiracies and other bogus information. Some are really creepy :-)

Let me start with an answer to the question that I received a couple of times during the past weeks. "When was the Buzzer heard for the first time?" Well, according to several dxers it was first reported in 1982. I heard it myself for the first time on 15-1-1983. It transmitted a two-second pip back then. The pips changed to a buzzer in early 1990. In April, 2009 the station went silent for a couple of days. The station came back on April 14, 2009. At that time several changes were noted:

- Daily maintenance break of the main transmitter at 10:00-10:50 MSK (Moscow Standard Time (=08:00-08:50 UTC in winter, 07:00-07:50 UTC in summer) has been cancelled;
- Nonstop buzz during the last minute of each hour has been changed to the usual buzzer, repeated 21-34 times per minute;
- R3E emission mode was introduced for 24/7 operation. Earlier the main mode was A3E.
- These changes possibly were the result of a change of transmitter site.

I mentioned in N&O #155 that the Buzzer disappeared on 1 Sept and that pirates and military stations took over the frequency. A carrier was audible most of the time during the first few days of the month. A Russian military net, normally on 4626 kHz, came on 4625 kHz for two days and returned after that the frequency was reclaimed by the Buzzer. Many voice messages were copied and finally the Buzzer re-appeared at 1503 UTC on 8 Sept. The buzzing marker did however disappear at times. At the time of writing (30-9) it is still absent.

S28 transmitted on 4625.55 kHz in the first couple of days after its return. The station is audible on various parasitic frequencies. The signal on these frequencies constantly shifts while the main frequency is stable on 4625 kHz.

Changes:

- The Buzzer transmits since it returned in R3E mode: suppressed LSB, reduced carrier, full USB.
- It looks like the Buzzer is home of two users now. The most active one uses callsign "MDZhB" while UVB-76 (UZB-76) is not really active.
- Another change was that before the break all words were first read in full and then repeated in letters. Currently all words are only spelled out. Example of the old format:  
VREZNOJ 78532 Vladimir, Roman, Elena, Zinaida, Nikolaj, Olga, Kratkij 78532

The question remains: "why the outage?". Just a maintenance break? A station upgrade because a new user (MDZhB) had to be added? Did the station move to another location? Looking at the pictures on various websites \*) of the suspected transmitter site, it doesn't look like an active transmitter site to me. I seriously doubt that it still was being used on 31-8. So, where is the actual transmitter site of the Buzzer? DF's still point to the same area. When you look at Google Earth you will find another similar station a couple of kilometres east from the place that is always mentioned as their -now abandoned- transmitter site (56N4.99 37E6.6 and 56N4.96 37E5.38). But there are more possible locations very near to that site. So, where is it exactly?

Note that the 4625 kHz transmitter was part of radio network Nr. 43 in the Soviet days. It was only a small part of a large operation which consisted of 3 or 4 transmitter sites. Up to 30 rhombic antennas can be seen beamed at wide sector between 240 and 60 degrees to W. Europe, S.



America, N. America, Far East. The RGD type rhombic antennas were used for transmission. The power of the Soviet long haul HF communications transmitters ranged between 5 and 80 kW. The sites were probably used to broadcast GRU's numbers transmissions during the Cold War.



56N4.99 37E6.6 mentioned as S28's txm site



A couple of kilometers to the east you will find an identical site at 56N4.96 37E5.38



56N5.12 37E6.7



56N4.56 37E6.11

\*) Check these websites for pictures of various transmitter sites. Amongst them is the suspected old and abandoned site and the possible current transmitter site.

<http://kspzel.livejournal.com/78692.html>

<http://kspzel.livejournal.com/55478.html>

<http://www.facebook.com/pages/UVB-76/258065513772?v=photos>

<http://commondatastorage.googleapis.com/static.panoramio.com/photos/original/33087663.jpg>

<http://commondatastorage.googleapis.com/static.panoramio.com/photos/original/34108076.jpg>

<http://commondatastorage.googleapis.com/static.panoramio.com/photos/original/31006319.jpg>

<http://commondatastorage.googleapis.com/static.panoramio.com/photos/original/34107871.jpg>

<http://commondatastorage.googleapis.com/static.panoramio.com/photos/original/34107598.jpg>

The following website claims that the pictures are from the inside of the Buzzer station. It is very unlikely that this is inside UVB-76, though. The stuff on the pictures is mostly

power supply equipment, not a radio station. Probably a former ICBM silo, the visitors are protected from aggressive rocket fuel.

<http://englishrussia.com/index.php/2010/08/28/inside-the-mysterious-uvb-76-station/>

For those of you who cannot hear the station on 4625 kHz, try <http://uvb-76.blogspot.com/> This is a live feed from a receiver ca 900km NW from the station.

Now the run down of the Buzzer's activity in September.

02-9 Many pirates with morse transmissions, music "Dance of The Little Swans" by Tchaikovsky (30 seconds) , recorded buzzes, EZI recording, coded message, etc. Check for a recording of the Swan music and coded message the N&O website. The coded message is probably a genuine test.

04-9 RJHxx morse traffic.

05-9 1246 UTC: Carrier  
1305 UTC: Windows-like alert sound  
1327 UTC: Voice message. RR/OM  
1337 UTC: Same message as at 1327 UTC  
Tom H has uploaded his recordings to Soundcloud.  
<http://soundcloud.com/user2618956/sounds1> "Windows sound" example  
<http://soundcloud.com/user2618956/sounds2> Voice message  
<http://soundcloud.com/user2618956/vm1> Voice Message 2

I copied traffic from F6J6 between 2200 and 0100 UTC.  
QFZM DE F6J6 RK, QMXT DE F6J6 K, 5AMA DE F6J6 K  
AZ.B DE F6J6 QSA ? K, Q6SJ DE F6J6 K, QPCW DE F6J6 QSA ?  
RPT K RK, 7S7J DE F6J6 RK

Fritz informs us that this is a CIS military tactical network which used to be on 4626 kHz. F6J6 is the Net Control Station. It is a big network in star structure duplex on its night frequency.

07-9 1643 UTC: MDZhB 04979 Drendout 2852 4471 Trenerskij 3752 1321  
1650 UTC: Another voice message same as 1643 UTC. Recording by Hans S. on the N&O website.

08-9 1503 UTC: The Buzzer returned at 1503 UTC. Very loud in The Netherlands at 1614 UTC. Off again at 1727 and came back at 1730 UTC but much weaker now. Several messages were transmitted today. Three of them were copied by Rimantas:  
0812 UTC: MDZhB MDZhB 33560 Trenogii 8606 5944 MDZhB MDZhB 33560 Trenogii 8606 5944 Pryom  
1604 UTC: MDZhB MDZhB 64009 Arun 0835 3598 Trutnik 5512 1847 MDZHB MDZHB 64009 Arun 0835 3598 Trutnik 5512 1847  
1623 UTC: MDZhB MDZhB 82366 Prutyanoi 6385 9971 MDZHB MDZHB 82366 Prutyanoi 6385 9971 (This is a correct repeat with a word Prutyanoi; first time she made a mistake and said Pruyanoi)  
1859 UTC: Buzzer on 4625//4667.6//4710.2 kHz

09-9 1701 UTC: No buzzer; carrier only

10-9 1522 UTC: Message "UZB76 27416 Trekator 5250 1095 Areografija 1805 3523". Now with UZB76 call sign instead of MDZhB.  
1744 UTC: Conversation in Russian. Male voices (not sure if it is S28)  
2143 UTC: Conversation in Russian. Male voices (voices sounded as S28)

11-9 0720 UTC: Female voice: MDZhB 38170 Prereda 8304 4032  
1450 UTC: Female voice: MDZhB 80033 Prepreka 7382 6763

12-9 1440 UTC: Male voice: MDZhB 13626 Trekhletok 200 45 2947 (In the repeat the last numbers were different: 00 45 2947).

13-9 1520 UTC: Male voice: MDZhB 40788 Vreznoj 7279 7936 Zhrechestvo 3876 0487  
1900 UTC: Morse net ex 4626 kHz: VSJX DE FINQ K. R K. KMMN DE FINQ K. R K  
Also calling/working 80B5, E4LU, W4YM, 4G9G, VDZO, L6MM, O42N, and 2X2M.

14-9 0717 UTC : MDZhB MDZhB 22 328 Pribornyi 8871 5428  
1053 UTC: Male voice: MDZhB 86412 Tribunal 3743 9203  
1118 UTC: The buzzer returned at 1118 UTC

15-9 1132 UTC: MDZhB 44 542 Spitamen 39 97 16 26  
1206 UTC: MDZhB 69 478 Priskok 36 11 58 22  
1855 UTC: Buzzing on 4625 and 4667 kHz.

16-9 1324 UTC: MDZhB 21157 Spichnyj 0020 5553  
1539 UTC: MDZhB 85343 Krinum 0148 0495 Prioritet 1408 2871

17-9 1152 UTC: MDZhB 19620 Priroda 1576 9538 (maybe 19520 - weak signal)  
1226 UTC: MDZhB 94864 Tritil 6098 1359

18-9 1630 UTC: MDZhB 2551.. Briz 29 34 76 83  
2107 UTC: Buzzer 4625//4668 kHz  
2107 UTC: 4668 kHz. Buzzer. Sounds like a sick cow. Signal is shifting slowly to a higher frequency //4625 kHz which sounds normal.

19-9 1444 UTC: MDZhB 75476 Prizmatin 8087 6428 Khrizopraz 0621 5018

23-9 evening 4625 kHz transmits a blank carrier, typical phone line noise is audible. UZB76 or MDZhB voice messages were not heard.

27-9 1303 UTC: Live female voice in Russian: MDZhB 73 557 Bronzit 25 83 85 86  
1600 UTC: The Buzzer is still silent. There is however a continuous buzz on 5445.5 kHz. Is this the buzzer? The buzzing stopped at ca 1945 UTC.

29-9 0701 UTC: "Pole17" clg "Dozvat'sya Klivko49"

30-9 0848 UTC: Male voice: MDZhB 68 447 Tianushchyj 17 97 96 31  
1114 UTC: Male voice: MDZhB 56 590 Miagkotelyj 07 98 37 35  
1230 UTC: Male voice: MDZhB 82 992 Viazovina 00 42 82 06  
1237 UTC: Male voice: MDZhB 51 315 Viazovyj 78 81 57 15  
1252 UTC: Male voice: MDZhB 24 397 Yarmo 84 74 15 42 Yarmuk 55 61 60 81  
1258 UTC: Male voice: MDZhB 33 010 Drovni 66 05 57 49  
1302 UTC: Male voice: MDZhB 06 183 Krovnik 56 50 47 49  
2051UTC: Still no buzzer. It was last heard on 27-9.

Many thanks to Rimantas Pleikys and other Buzzer-adepts for their help and logs.

## :: S30

After a long time I received a report of a S30 message. Logged by Rimantas Pleikys on 24 Sept at 1320 UTC on 5448 kHz: "Dlia: FLE8, AVMN, KhBGB, TZLM, 9ZhBD, 8CShchJ, FYa5E, F61N, 37CN, MUDR. Kak slyshno? Priyom".

The format seems to have changed. Former messages looked like this "Dlia: 118, 295, 327, 540, 865, 722. Kak slyshno? Priyom".

## ::: VC01 – Chinese Robot

9169 kHz, 0905 UTC, 07-9

7924 kHz, 0905 UTC, 07-9

9169 kHz, 0849 UTC, 24-9

6855 kHz, 0914 UTC, 24-9

## ::: V13 – New Star

Westli noted a somewhat interesting trend going on with V13. In his own words:

*"During August the first and third message sets were identical and the second and fourth were also a matching pair. With just a cursory glance, the messages appear to be the same with only minor differences that could be attributed to typing (or hearing) errors. I will be taking a closer look at those as soon as I get the time. In addition, the newest message set (which I am calling 9-1) is for the same units that got messages last week (last week of August -Ary). In this case, however, the group counts she called out were different from the previous week. These haven't been transcribed yet. I am hoping for better recordings tonight as I finally got my radio back."*

## MORSE STATIONS

### ::: MX

The following beacons were heard on most of the well known cluster frequencies:

European cluster beacons: D, P, S, C, A

Asian cluster beacons: F, K, M

Channel markers / beacons:

V - 3628, 6809 kHz

### ::: M08a - DGI



AnNYC sends us his logs of our Cuban friends who goofed on 5 Sept.

Freq: 5898 kHz; time: 0800-0841 UTC.

0800 SK01/RDFT

0805 SK01/RDFT

0808 V02a briefly, followed by a warbling sound, and then dead air

0809 V02a for 5-10 digits, then dead air again

0810 SK01/RDFT

0811 V02a for 2-3 digits, then dead air again

0812 Could've sworn I heard V02a say "cero diez"



0813 Sharp increase in background noise but could heard V02a resuming its "normal programming"  
 0821 Background noise subsides, catch a few "nueve"s  
 0827 WWCR (5890KHz) starts interfering with a vengeance  
 0829 Callup "28451", message contains "nueve"s  
 0830 Tuned to 8186 kHz for a while  
 0841 "21861 30500 67356 54062 96957 25003 41992 69095 22243 42580 FINAL FINAL FINAL"

Another one from AnNYC: 5898 kHz, 0500 UTC, 21-9.

\*\*\*\*\* RNUNN; Heard R. Havana Cuba interval tones and ident through the QRM at 0500Z (see 20100916T0458Z/5898KHz log); Carrier on at 0521Z and subsequent excellent reception conditions; Tx began at 0532Z and copied as follows:

```
AR AR AR RNUNN RNUNN RNUNN RNUNN RNUNN = = =
DWDDG NRIND NNTGG WADRG NTDUR INNRI WRTTG UUWRU NDIDI GINRT
DAWAN GARWN RRIGD GIITI WWWIN AWNGA GDNNT AUGGT NGDNN WWWGN
TIAGR DRNIW IDWDN UUAGN UNDGA TAAIU GDWDI DUNWI RAINA UURDN
AAWTD UWURN UNRTI AUWRD GRDWR RGTTG WUDAR ITDIT RDRIT AITNG
RDTAI NURUT GUNWR TGGAT RGTIW NRWUW IWAUT ANUWR DNAUT WIGNN
UDIRI UDGWD UUIT IUTNU WDRGI NTDUW RDIIA URUNN URRAW DATDT
WWAGG NANDW IUWIG RGUAN TGNRU NTAIR NIGGW WWGAT ATTAU DWUII
NWTGI RAAWW TINDI ITAWW TTNUT RIGIW UIDID NTGAD INDDI IWTDR
UDGIN UDDG ARRNG AINIT WNIND INNUG DURAG DDRRG GUIUR URUUU
ANIAI RWDTG RDNDG WNAWR GAUUN RGNRT URIDA NUUGT NADUD NGTAD
GGTUD DITIR DAUWT GAGUN NDRTU IUWWD IRNGI UWUGR NUAUU UWRTN
AWIGU DRRUT TWUNN AWAII TNWRT DRWUU NUUII WNUGW RWWID AIIRR
DTWAU GTADW RNURD *NAA IUURD NIRAD ATADG NGAUW ITDGA IUGUN
TRRGI ITITG TTWWI TWTUR TRGGD URTNW DGTDA IUATT NNDTR AURAW
GRRGG UGANA ITAGG UUGGG UTINI RRGAG TDWNW T*FATWU TGURG
AR AR AR SK
```

### ∴ M12

M12 is one of the oldies that is still active. We do not mention them often but you can find the logs every month in the Logs Section. One of the schedules in September was 189, see below:

12137 kHz, 1830 UTC, 10837 kHz, 1850 UTC, 9937 kHz, 1910 UTC

Message on 26 September:

```
189 189 189
705 115 705 115
28972 82654 06217 04462 74337 91537 79293 31809 03710 31798
67684 28754 86210 97901 39693 52203 34143 86434 61652 17356
23841 83954 67504 15777 31319 17115 68070 53387 36276 31699
31771 83149 77353 05264 90958 74085 07070 87260 97790 11799
55720 65895 21742 38546 12916 02431 12162 82457 68673 06245
26657 86905 59669 25413 23628 47149 78158 60998 81194 74315
58445 13411 83542 21962 68096 48836 90053 76019 09330 34553
49715 74673 49375 18702 95357 17815 64216 63334 24557 43863
24085 63145 56487 57821 03818 60996 45083 05440 81918 05530
11169 11063 94860 00275 13879 27508 86405 66310 72089 64751
70041 72078 13080 42824 67403 79924 37224 13201 70072 71533
04389 83580 00956 12882 69831
000 000
```



### ::: M21

#### **Voyska ProtivoVozdushnoy Oborony, Voyska PVO / Russian Air Defense**

Id "8": 4627, 5752 kHz

Id "9": 7166 kHz

### ::: M23

Found again by several dxers: **M23**. Including a rare message, copied by JPL.

5345 kHz, 1602 UTC, 13-9: 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //8030 kHz  
8030 kHz, 1602 UTC, 13-9: 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //5345 kHz  
5345 kHz, 1802 UTC, 13-9: 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //8030 kHz  
8030 kHz, 1802 UTC, 13-9: 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //5345 kHz

Since it's extremely rare for M23 to send a message, here is a copy of the complete message, submitted by JPL:

*BT 22 22 BT*  
*67486 06903 31352 31946 22022 28487 35744 74224 13806 13059 39508*  
*44017 15286 08072 23659 46114 38980 80059 00897 46504 30960 90528 BT*  
*? ?*  
*BT 22 22 BT*  
*67486 06903 31352 31946 22022 28487 35744 74224 13806 13059 39508*  
*44017 15286 08072 23659 46114 38980 80059 00897 46504 30960 90528 BT*  
*AR AR*

### ::: M31

We haven't mentioned these stations in N&O since Enigma deleted the designator but since they are frequently logged I thought that it would be nice to mention them once again. The morse transmissions of the French Air Force (FAF) stations are seldom heard these days. I guess that most of them are either using other modes or they have left SW. The only one that is heard frequently is FDI22. When they still were on Enigma's list, only the morse activity was mentioned while they also transmitted in Baudot and ARQ-E3.

M31 was designed to:

FDC - FAF Metz	FDE4 - FAF Avord	FDE14 - FAF Contrexville
FDG - FAF Bordeaux	FDG5 - FAF Evreux	FDI - FAF Aix
FDI8 - FAF Nice	FDI22 - FAF Narbonne	FDY - FAF Orleans

Frequencies reported in 2010:

3814, 4515.5, 4518.6, 5324, 6798, 7521.5, 7591, 7853.9, 7855.5, 7960, 9349.5, 1445, 14585, kHz.

Sample messages:

*vvv vvv vvv de fdi22 fdi22 fdi22 ar*

*RYRYRYRY*

*test de FDI8*

*voyez le brick géant que j examine près du grand wharf*

*0 1 2 3 4 5 6 7 8 9*

*RYRYRYRY*

*ceci e une emission de calorie destine pour le reglage de votre recepteur*

Logged in September:

4042.5 kHz, 0614 UTC, 01-9: FDI22: French Air Force Narbonne: "vvv de fdi22 ar"

7960.0 kHz, 1244 UTC, 04-9: FDI22: French Air Force Narbonne: "vvv de fdi22 ar"

7591.0 kHz, 0737 UTC, 12-9: FDI22: French Air Force Narbonne: "vvv de fdi22 ar"

### ::: M51

M51 is still active but less often reported than in the past. Alf copied the station on 6825 kHz at 0958 UTC on 23-9 a bit out of the ordinary: FAV22: CSTEI Favieres, via Vernon 0958 J3E/USB "open microphone"-like noise; TX usually used by "FAV22 Morse lessons" who was on the same time. The same noises were heard on 6699.9 kHz ("VEILLEUR", CCOA Taverny) and 6712 kHz ("CIRCUS VERTE", CFAP Villacoublay).



### ::: M89 – Chinese military

V QPZM QPZM QPZM DE WOXN WOXN	on 3327, 4523, 5310, 7833 kHz
V 7NPE 7NPE 7NPE DE QV5B QV5B	on 4225, 5500 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	on 3297 kHz
VVV Q2M Q2M Q2M DE NYZ NYZ	on 4860, 6840 kHz
V MB3B MB3B MB3B DE YA6X YA6X	on 5682 kHz
V JA3L JA3L JA3L DE UN2T UN2T	on 4532 kHz

## VARIOUS MODES

### ::: OLO-32 Czech Intelligence

Logged in September on:

5853.36 kHz, 1309 UTC, 03-9

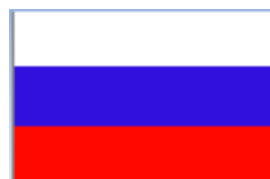
10212.35 kHz, 1017 UTC, 07-9

6987.35 kHz, 1540 UTC, 08-9

5807.36 kHz, 1920 UTC, 27-9

### ::: M42 & X06

#### Russian Government / Intelligence



11162.5	1847	01-9	Russian Gov/Intel. Mode: CROWD-36
11438.5	1543	06-9	Russian Gov/Intel. Mode: CROWD-36
7610.0	0622	07-9	Russian Gov/Intel. Mode: RUS-ARQ 100/1000
16158.0	0814	07-9	Russian Gov/Intel. Mode: RUS-ARQ 100/1000
16170.0	0830	07-9	Russian Gov/Intel. Mode: CROWD-36
8068.0	1941	07-9	Russian Gov/Intel. Mode: MFSK-16 7.49Bd
8180.0	0455	08-9	Russian Gov/Intel. Mode: RUS-ARQ 100/1500/2CH
10193.0	0954	09-9	Mazielka. Sequence: 164532
12215.0	1015	09-9	Mazielka. Sequence: 361245
12224.0	1604	15-9	Mazielka. Sequence: 463125
12224.0	1319	16-9	Mazielka. Sequence: 463125
8123.0	0517	17-9	Mazielka. Sequence: 463125

9105.0	0522	17-9	Mazielka.
5424.0	0945	17-0	Russian Gov/Intel. Mode: Baudot 50/500. 5FGs with =50= separator after " ... 17 0900 724=", end "0948 k" into OP-chat "CFM NIL NIL SK SK".
13517.0	1325	24-9	Mazielka. Sequence: 463125
10271.0	1021	29-9	Russian Gov/Intel. Mode: Baudot 200/450. ".... 84542 53566522194339475 =81643 29575666056699587 =84844 685761045577311145=83445 60429094603007485 =77246 776792628014137145)57647 00000+++++++216"
18452.0	0759	30-9	Russian Gov/Intel. Mode: CROWD-36

### ::: XUP

We continue N&O #156 with a new ENIGMA designator: **XUP**  
(X = noise station group, U = unidentified mode, P = Pulser)

Mike Chace-Ortiz informs us about this yet unknown station. ***If you can help us to identify this station, please let us know.***

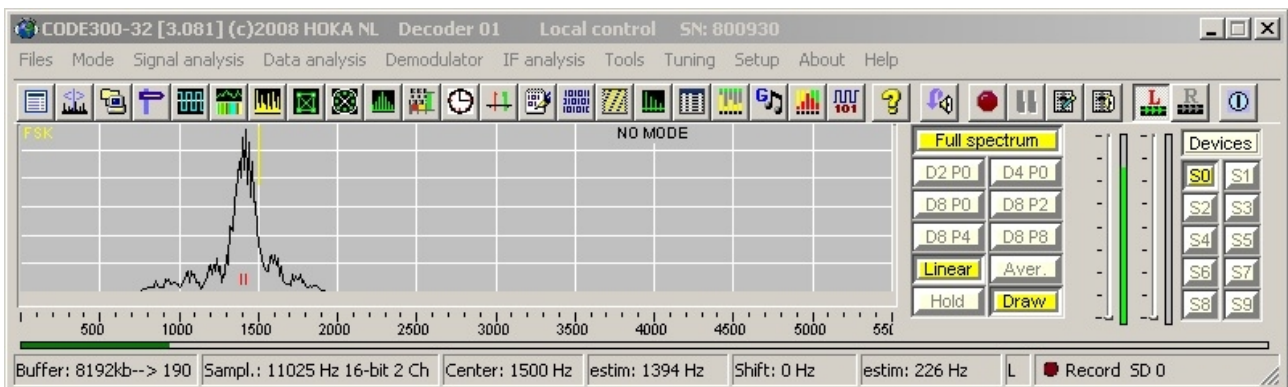
"Welcome the latest in the ENIGMA family - XUP!

The station was first reported in late 2009 by IRC channel #wunclub participants Token, Jon-FL and TheWeb.

Frequencies: 6081, 7431, 7481, 9531, 9581, 9631, 9831, 9881, 10031, 11631, 11681, 11831, 11881, 11981, 12031, 13881 and 15381 kHz (often multiple channels are active at the same time)

This odd narrow band pulsed signal jumps around a center frequency in 100Hz or 200Hz steps, and will also vary the pulse repetition frequency. Pulse rates of 11, 22, 33, 43, 55 and 76ms have been reported. Signals are frequently jammed or overlaid with another wider bandwidth interfering signal. Bearings taken indicate a possible origin of Cuba or Southeastern US.

The pulser may also slowly drift in time but keeping the same frequency and pulse rate.



Mike copied the station on 17-9:

13881.3 cf at 1735 UTC pulse rate 43.75ms  
10031.3 cf at 1736 UTC pulse rate 43.75ms  
11981.3 cf at 1736 UTC pulse rate 43.75ms  
9631.25 cf at 1738 UTC pulse rate 43.75ms

6081, 7431, 7481, 9531, 9581, 11631, 11881, 12031 and 15381 inactive  
Sound clips are available here:

<http://dl.dropbox.com/u/301213/Pulser10031kHz.wav>  
<http://dl.dropbox.com/u/301213/11881-Pulser-Jammed.wav>

Pictures are available here:

<http://dl.dropbox.com/u/301213/FreqSpectrum.jpg>  
<http://dl.dropbox.com/u/301213/TimeSpectrum.jpg>

Who can solve the mystery?

73, MCO"



## MILITARY STATIONS

### **::: M32 Russian/CIS/Ukrainian Military SSB & CW Stations**

4245.0 CIS Mil?: LAYO clg 5ZPO, SD9R, -DVT, ELUT and 5VHS. "5ZPO DE LAYO K"

4626.0 Russian mil tactical net.

5081.0 Russian warship RDA97 clg RMP "RMP RMP RMP de RDA97 RDA97 k"

6324.0 Russian warship RGR35 wkg RMP after CW request by RMP on 6838 kHz.

6521.5 Russian warship RLD67 wkg RCV "RLD67 de RCV ZZD1 ZVP k".

6838.0 Russian Navy Kaliningrad: RMP wkg RGR35 "RMP as no RGR35 de RMP QYT4 QSX  
6324/6324 QCM ok ? k"

- 6979.0 Strategic Air Broadcast, Moscow: REA4
- 6989.0 Russian Mil: "de RAL2"
- 7054.0 Russian Air Force: REA4
- 7117.0 Russian Air Force: REA4
- 7172.0 Russian Mil: RHC94 wkg RMFG
- 7815.0 Russian Mil: "xxx xxx xxx lr43 lr43 tehniöeskaä powerka 540 xxx xxx xxx"
- 7833.0 Russian Mil: "lkdw lkwd lkwd de prat prat qsa4 k"
- 7861.0 Russian Navy: RAL2 wkg RDU2 and RFH2.
- 7859.0 Russian Mil: "3okm de 9vxu bk qtc k 9vxu 829 24 4106 829 - zub t82 - ppppp ...."
- 7963.0 Russian Mil: "om3c om3c om3c de das5 das5 k". DAS5 also calls DWC7, ISAO, BPSL, NQ6N "nq6n qcm k"
- 10543.0 Russian Navy BSF HQ Sevastopol: RCV clg RMUW and RFH77. Also messages to RIP90: Nav. Warning nr.480 shooting exe in Turkish waters; to RBE86: Nav. Warning nr. 736 shooting exe Ionian Sea; and flash message "xxx RJV 19996 nekrutoj 1719 6777 k"
- 10556.0 Russian Mil: "QJB4 K"
- 10796.0 Russian Mil: "RIW de RJD87 as 1 k"
- 11000.0 Russian Navy HQ Moscow: RIW. "rgr35 de riw k - qyt4 qsa4 qsa? k"; also msgs to RCIG: Nav. Warning nr.345 Cyprus for RCIG relayed from RCV.
- Russian Navy: RIW (Rus Naval Cmd) in 5fg tfc w/ vessel c/s RKZ (390 26 22 105 390 = 11111 ..... ) at 0825z... there's an almost incoherent CW signal just below him, and occasionally another nearly incoherent CW signal there also. Both of the 'bad' CW signals sound like someone just randomly sending on the key, occasionally changing keying speeds on the fly (slowing down \* speeding up). Within 15 mins, RIW has sent 2 more 11111.
- 11019.0 Russian Mil: "X8QU X8QU X8QU X8QU X8QU X8QU X87U WZ 722 35 T 1 78 1 5 2"
- 12464.0 CIS navy: "RMUV 62894 metol 6953 8961 k"; "RFH77 62894 metol 6953 8961 k"; "xxx RFN 94771 62894 metol 6953 8961 k" (Seems to be important message, RFN not known before.)
- 14108.0 Russian Mil: YDKS, BG4W, Y1CQ, 3CLF, 2OAM, 3V4T, IPB9, KJB7, A7JW, P6GE, AZL9, 1VJS, ISB5, NOOR, THKL, S51G, SW5J, ZNMZ, OKNB, H45X, QDZU, IA6N, GNCU, M9HY, TUKM. Messages: "ZPK ZPP ZMY QYT6 K"; "ZVN ZAP ZFV QYT9 K"; "QTC 869 26 4 1102 869 =" (+ 5LGs); "XXX IA6N 22768 SORLINNX"
- 14118.0 Russian Mil: 1HV5
- 14292.0 Russian Mil: "AC3C DE YDFS"; "9C2N DE P8VR 5FGs "zmw zmj zzf zen k"
- 16112.0 Navy HC VGK Moscow: "xxx REU 95295 06468 simuläciä 9010 4867 k"; "xxx REU 46518 73947 wandeec 3220 6850 z"



16480.0 Russian navy: RCIG voice traffic to RIW acknowledges message.

17242.0 Russian navy Moscow: RIW voice traffic to RCIG. Message in plain Russian.

*Fritz Nusser noted a different procedure in CIS Navy strategic network this month. Flash messages often are disseminated shortly after a VGK xxx transmission. The two callsigns used may be sender or addressee, no xxx intro. Examples:*

14411 Navy HC VGK Moscow RUS 1230z 15-9 FSK Morse "xxx REU 97336 43527 éunalgit 1378 1651 k"

12464 Unid Ny station CIS 1235z 15-9 CW Morse "RFH77 39060 braborqik 5472 0863 k"

12464 Unid Ny station CIS 1237z 15-9 CW Morse "RMUW 39060 braborqik 5472 0863 k"

14411 Navy HC VGK Moscow RUS 1250z 15-9 FSK Morse "xxx REU 32858 86006 konin 8409 5504 k "

14411 Navy HC VGK Moscow RUS 1400z 15-9 FSK Morse "xxx REU 31560 19412 hinamin 0372 2069 k"

12464 Unid Ny station CIS 1405z 15-9 CW Morse "RFH77 57044 attol 9579 3140 k"

12464 Unid Ny station CIS 1407z 15-9 CW Morse "RMUW 57044 attol 9579 3140 k"

### **UTILITY ROUND-UP**

#### **::: Polish pip**

First reported in August 2008, the "Polish Pip" on 1812 kHz. The location is reportedly Koszalin in Poland and is possibly owned by the Polish navy.

The station transmits 5 tones on USB and 5 tones on LSB. Bandwidth ca. 8 kHz. Schedule: 24/7.

Additional info is most welcome.

#### **::: Pirate**

6998 kHz, 1444 UTC, 07-9: The infamous Italian religious morse pirate "HWK7" on his usual frequency with marker "VVV VVV DE HWK7 HWK7 +".

#### **::: Chinese OTH-radars**

Sferix reports a number of Chinese OTH-radars on 5170, 5220, 5410, 5780, 5830, 6745, 6815, 6480, 6900, 6970 kHz.

China's "Skywave Brigade" is located in the southern part of Xiangfan in the Hubei province while the radars are reportedly located on Hainan Island and along the coast of Zhejiang Province in China.

#### **::: Israeli SIGINT site**

Radioman390@cs submitted a link that leads us to an article published by "Le Monde Diplomatique". The article mentions a large Israeli SIGINT site near Urim. See the picture below.

It is the home of the Defense Forces signals intelligence unit 8200. The site is reportedly there since the 1970's. I have put a Google Earth KML file on the N&O website (thanks Costas and Eric). Check the complete article on the following website and many, many other websites.

<http://www.haaretz.com/print-edition/news/foreign-report-israel-has-one-of-world-s-largest-eavesdropping-intel-bases-1.312198>



### ::: Arab stations

We received a number of interesting logs from the Gulf area submitted by Ahmad in Kuwait. Thanks for that. We do not get many reports from that area. Tom also chipped in a log of an Arab phone net.

6248.0 kHz, 0406 UTC, 08-9, ALE/USB sounding + voice traffic. Male voice in Arabic with Iraqi accent calling "1912, this is 1050".

6739.0 kHz, 0556 UTC, 04-9, USB voice: Iraqi police, radio checks with various Iraqi police stations. One of the idents was "Abdullah 2".

6681.5 kHz, 0544 UTC, 04-9, USB voice: Iraqi Army or police mentioning military ranks and names with orders for control of specific area (the area was not named) and talk about curfew around 6pm.

6823.0 kHz, 0453 UTC, 08-9, USB voice: two male voices speaking in what sounds like Persian.

6826.0 kHz, various dates and times, USB voice: Unid Arab language phone net. OM/AA traffic/chats using PTT release tones. Ideas anyone?

6991.0 kHz, 0535 UTC, 04-9, USB voice: Unid. Sounds like it is coming from Iran.

### ::: Unid beacons

9111.7 kHz, 1546 UTC, 07-9: Slow marker "A". Does not sound like an Russian beacon (MX). It sounded like somebody was playing with the key sending letters "A" and "M". Transmission till at least 1630 UTC.

Then "PRV"; often reported during the past few months and unid until Linkz submitted a link to

websites about this station. Linkz writes "I have no idea if this station is legit or a pirate. It's operator is Eystathios Karastathis (SW6HMU) from Preveza, Greece. He writes on his blog "PRV - 6852 kHz 15w cw BEACON with Dipole Ant on the air 17.30 pm- 8.00 am". According to his blog there is also a MF beacon "PRV beacon 500-531 khz am/cw 400 Watt" and a local AM broadcasting station "Studio 421" on 1655 kHz".

See further:

<http://6852khz.blogspot.com/>  
<http://stoudio421.blogspot.com/>  
<http://sw6hmu.tripod.com/>  
<http://studio421.net23.net/>

## **LOGS SECTION**

3297	M89	Mode: CW Date/time: 6-9-2010, 1450 UTC V GKVZ DE Q7NW Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 7-9-2010, 1831 UTC V GKVZ DE Q7NW Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 8-9-2010, 1712 UTC V GKVZ DE Q7NW Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 11-9-2010, 1504 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3297	M89	Mode: CW Date/time: 13-9-2010, 1732 UTC V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 26-9-2010, 1318 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 27-9-2010, 1832 UTC V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Mon) Contr: (JPL-HK)
3327	M89	Mode: CW Date/time: 8-9-2010, 1705 UTC V QPZM DE WOXN //4523 kHz Contr: (JPL-HK)
3327	M89	Mode: CW Date/time: 27-9-2010, 1827 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Mon) //4523 Contr: (JPL-HK)
3510	M01b	Mode: CW Date/time: Thu 2-9-2010, 1832 UTC 201-714/37=64614 //4605 Contr: (HFD)
3520	M01b	Mode: CW Date/time: Fri 3-9-2010, 2010 UTC 582-724/37=64619 //4585 Contr: (HFD)
3537	M01b	Mode: CW Date/time: Mon 20-9-2010, 1810 UTC 420 //4590 Contr: (HFD)
3594.8	MX	Mode: CW Date/time: 18-9-2010, 2104 UTC Beacon "P" Kaliningrad Contr: (AB)
3625	M01b	Mode: CW Date/time: Fri 3-9-2010, 1902 UTC 153 //4440 Contr: (HFD)
3628	MX	Mode: CW Date/time: 8-9-2010, 1850 UTC Beacon "V" Khiva Contr: (AB)
3644	M01b	Mode: CW Date/time: Mon 13-9-2010, 1915 UTC 771 //4454 Contr: (HFD)
3756	S30	Mode: CW Date/time: 18-9-2010, 2106 UTC Pip Contr: (AB)
3756	S30	Mode: CW Date/time: 29-9-2010, 2130 UTC Pip Contr: (AB)
3814	M31	Mode: Baudot 50/400 Date/time: 14-2-2010, 2231 UTC FDI22 - FAF Narbonne. "DE FDI2222 DE FDI2222 DE FDI2222 DE FDI2222" Contr: (BCI)
3828.9	S32	Mode: USB Date/time: 18-9-2010, 2106 UTC Squeaky Wheel Contr: (AB)
3828.9	S32	Mode: USB Date/time: 29-9-2010, 2132 UTC Squeaky Wheel Contr: (AB)
4028.0	V02	Mode: AM Date/time: Fri 10-9-2010, 0100 UTC 27711 76721 00742 Contr: (BS3)
4028.0	V02	Mode: AM Date/time: Thu 30-9-2010, 0100 UTC 0051z carrier up, 0102z voice on. Troubled by lightning. Contr: (BCA)
4042.5	M31	Mode: CW Date/time: 1-9-2010, 0614 UTC FDI22: French Air Force Narbonne "vvv de fdi22 ar" Contr: (VL)
4225	M89	Mode: CW Date/time: 6-9-2010, 1448 UTC V 7NPE DE QV5B Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 7-9-2010, 1829 UTC

V 7NPE DE QV5B //5500 kHz Contr: (JPL-HK)  
 4225 M89 Mode: CW Date/time: 8-9-2010, 1710 UTC  
 V 7NPE DE QV5B //5500 kHz Contr: (JPL-HK)  
 4225 M89 Mode: CW Date/time: 10-9-2010, 2247 UTC  
 V 7NPE DE QV5B //5500 kHz Contr: (JPL-HK)  
 4225 M89 Mode: CW Date/time: 11-9-2010, 1500 UTC  
 V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz Contr: (AB-HK)  
 4225 M89 Mode: CW Date/time: 13-9-2010, 1730 UTC  
 V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)  
 4225 M89 Mode: CW Date/time: 26-9-2010, 1315 UTC  
 V 7NPE 7NPE 7NPE DE QV5B QV5B (Cont'd) //5500 Contr: (JPL-HK)  
 4225 M89 Mode: CW Date/time: 27-9-2010, 1830 UTC  
 V 7NPE (x3) DE QV5B (x2) (Cont'd) (Mon) Contr: (JPL-HK)  
 4270.0 E10 Mode: USB Date/time: Mon 27-9-2010, 0023 UTC  
 Contr: (cyan)  
 4283 V26 Mode: USB Date/time: 11-9-2010, 1009 UTC  
 Chinese number station, in progress Contr: (Sferix)  
 4283 V26 Mode: AM Date/time: 11-9-2010, 1330 UTC  
 Chinese numbers station Contr: (token)  
 4283 V26 Mode: AM Date/time: 24-9-2010, 1024 UTC  
 in progress //4283, 7553, 9153 kHz Contr: (AB-HK)  
 4331 M22 Mode: CW Date/time: 29-9-2010, 2041 UTC  
 4XZ: IN Haifa ISR 2041 cw = = vvv de 4xz 4xz = = Contr: (WP3)  
 4440 M01b Mode: CW Date/time: Fri 3-9-2010, 1902 UTC  
 153 //3625 Contr: (HFD)  
 4445.4 OLO Mode: FEC 100/170 Date/time: 22-9-2010, 1150 UTC  
 32 Czech intelligence Contr: (WP3)  
 4448 M51 Mode: CW Date/time: 4-9-2010, 2015 UTC  
 French mil morse training Contr: (norave)  
 4454 M01b Mode: CW Date/time: Mon 13-9-2010, 1915 UTC  
 771 //3644 Contr: (HFD)  
 4454 S21 Mode: USB Date/time: Tue 7-9-2010, 1842 UTC  
 454 both strong //4854 Contr: (HFD)  
 4515.5 M31 Mode: Baudot 50/400 Date/time: 29-1-2010, 0103 UTC  
 FDI22 - FAF Narbonne. RY+TEST "VOYEZ LE BRICK GEANT QUE JEXAMINE  
 PRES DU GRAND WHARF 0123456789" Contr: (BCI)  
 4518.6 M31 Mode: Baudot 50/400 Date/time: 12-2-2010, 2028 UTC  
 FDI22 - FAF Narbonne. "FDI222" Contr: (KK2)  
 4523 M89 Mode: CW Date/time: 7-9-2010, 1826 UTC  
 V QPZM DE WOXN Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 8-9-2010, 1705 UTC  
 V QPZM DE WOXN //3327 kHz Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 27-9-2010, 1827 UTC  
 V QPZM (x3) DE WOXN (x2) (Cont'd) (Mon) //3327 Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 6-9-2010, 1451 UTC  
 V JA3L DE UN2T Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 7-9-2010, 1833 UTC  
 V JA3L DE UN2T Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 8-9-2010, 1714 UTC  
 V JA3L DE UN2T Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 11-9-2010, 1505 UTC  
 V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB-HK)  
 4532 M89 Mode: CW Date/time: 13-9-2010, 1734 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 26-9-2010, 1319 UTC  
 V JA3L JA3L JA3L DE UN2T UN2T (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 27-9-2010, 1833 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) (Mon) Contr: (JPL-HK)  
 4555 M45 Mode: CW Date/time: Thu 2-9-2010, 1802 UTC  
 555-437/33=23117 //4955 Contr: (HFD)  
 4570 M01b Mode: CW Date/time: Thu 2-9-2010, 1942 UTC  
 477-714/37=64614 Contr: (HFD)  
 4585 M01b Mode: CW Date/time: Fri 3-9-2010, 2010 UTC  
 582-724/37=64619 //3520 Contr: (HFD)  
 4590 M01b Mode: CW Date/time: Mon 20-9-2010, 1810 UTC  
 420 //3537 Contr: (HFD)  
 4605 M01b Mode: CW Date/time: Thu 2-9-2010, 1832 UTC  
 201-714/37=64614 //3510 Contr: (HFD)  
 4625 M32 Mode: CW Date/time: 5-9-2010, 2204 UTC  
 Russian Mil: "QFZM DE F6J6 K". Net control center F6J6 wkg various  
 stations on this duplex net during a couple of hours Contr: (AB)

4625 M32 Mode: CW Date/time: 6-9-2010, 1900 UTC  
Russian Mil: "X7XU X7XU X7XU DE F6J6 F6J6 QSA? K". Net control center  
F6J6 wkg various stations Contr: (HS)

4625 M32 Mode: CW Date/time: 13-9-2010, 1900 UTC  
Russian Mil net ex 4626 kHz: "VSJX DE FINQ K. R K. KMMN DE FINQ K. R K".  
Also calling/working 80B5, E4LU, W4YM, 4G9G, VDZO, L6MM, O42N, and  
2X2M. Contr: (HS)

4625 S28 Mode: USB Date/time: 5-9-2010, 1246 UTC  
Carrier Contr: (TH2)

4625 S28 Mode: USB Date/time: 5-9-2010, 1305 UTC  
Windows-like alert sound Contr: (TH2)

4625 S28 Mode: USB Date/time: 5-9-2010, 1327 UTC  
Voice message. RR/OM Contr: (TH2)

4625 S28 Mode: USB Date/time: 5-9-2010, 1337 UTC  
Same message as at 1327 UTC Contr: (TH2)

4625 S28 Mode: USB Date/time: 7-9-2010, 1643 UTC  
MDZhB 04979 Drendout 2852 4471 Trenerskij 3752 1321 Contr: (RP)

4625 S28 Mode: USB Date/time: 7-9-2010, 1650 UTC  
MDZhB 04979 Drendout 2852 4471 Trenerskij 3752 1321 Contr: (HS2)

4625 S28 Mode: USB Date/time: 8-9-2010, 0812 UTC  
MDZHB MDZHB 33560 Trenogii 8606 5944 MDZHB MDZHB 33560 Trenogii  
8606 5944 Pryom Contr: (RP)

4625 S28 Mode: USB Date/time: 8-9-2010, 1503 UTC  
The Buzzer is back!!! Contr: (RP)

4625 S28 Mode: USB Date/time: 8-9-2010, 1604 UTC  
MDZHB MDZHB 64009 Arun 0835 3598 Trutnik 5512 1847 MDZHB MDZHB  
64009 Arun 0835 3598 Trutnik 5512 1847 Contr: (RP)

4625 S28 Mode: USB Date/time: 8-9-2010, 1614 UTC  
Buzzer Contr: (AB)

4625 S28 Mode: USB Date/time: 8-9-2010, 1623 UTC  
MDZHB MDZHB 82366 Prutyanoi 6385 9971 MDZHB MDZHB 82366 Prutyanoi  
6385 9971 (This is a correct repeat with a word Prutyanoi) Contr: (RP)

4625 S28 Mode: USB Date/time: 9-9-2010, 1701 UTC  
Carrier only Contr: (AB)

4625 S28 Mode: USB Date/time: 10-9-2010, 1522 UTC  
Message "UZB76 27416 Trekator 5250 1095 Areografija 1805 3523". Now with  
UZB76 call sign instead of MDZhB. Contr: (RP)

4625 S28 Mode: USB Date/time: 10-9-2010, 2143 UTC  
Conversation in Russian. Male voices. (voices sounded as S28) ontr: (AB)

4625 S28 Mode: USB Date/time: 11-9-2010, 0720 UTC  
Female voice: MDZhB 38170 Prereda 8304 4032 Contr: (RP)

4625 S28 Mode: USB Date/time: 11-9-2010, 1450 UTC  
Female voice: MDZhB 80033 Prepreka 7382 6763 Contr: (RP)

4625 S28 Mode: USB Date/time: 12-9-2010, 1440 UTC  
Male voice: MDZhB 13626 Trekhletok 200 45 2947 (In the repeat the last  
numbers were different: 00 45 2947). Contr: (RP)

4625 S28 Mode: USB Date/time: 13-9-2010, 1520 UTC  
Male voice: MDZhB 40788 Vreznaj 7279 7936 Zhrechestvo 3876 0487 Contr:  
(RP)

4625 S28 Mode: USB Date/time: 14-9-2010, 1053 UTC  
Male voice: MDZhB 86412 Tribunal 3743 9203 Contr: (RP)

4625 S28 Mode: USB Date/time: 14-9-2010, 1118 UTC  
The buzzer returned at 1118 UTC Contr: (RP)

4625 S28 Mode: USB Date/time: 15-9-2010, 1132 UTC  
MDZhB 44 542 Spitamen 39 97 16 26 Contr: (RSRu)

4625 S28 Mode: USB Date/time: 15-9-2010, 1206 UTC  
MDZhB 69 478 Priskok 36 11 58 22 Contr: (RSRu)

4625 S28 Mode: USB Date/time: 15-9-2010, 1855 UTC  
Buzzer //4667 kHz Contr: (AB)

4625 S28 Mode: USB Date/time: 16-9-2010, 1324 UTC  
MDZhB 21157 Spichnyj 0020 5553 Contr: (RP)

4625 S28 Mode: USB Date/time: 16-9-2010, 1539 UTC  
MDZhB 85343 Krinum 0148 0495 Prioritet 1408 2871 Contr: (RP)

4625 S28 Mode: USB Date/time: 17-9-2010, 1152 UTC  
MDZhB 19620 Priroda 1576 9538 (maybe 19520 - weak signal) Contr: (AB-  
uvbrep)

4625 S28 Mode: USB Date/time: 17-9-2010, 1226 UTC  
MDZhB 94864 Tritil 6098 1359 Contr: (AB-uvbrep)

4625 S28 Mode: USB Date/time: 18-9-2010, 2107 UTC  
Buzzer //4668 kHz Contr: (AB)

4625 S28 Mode: USB Date/time: 27-9-2010, 1303 UTC



MDZhB 73 557 Bronzit 25 83 85 86 Contr: (RP)  
4625 S28 Mode: USB Date/time: 29-9-2010, 0701 UTC  
"Pole17" clg "Dozvat'sya Klivko49" Contr: (RSRu)  
4625 S28 Mode: USB Date/time: 30-9-2010, 0848 UTC  
male voice: MDZhB 68 447 Tianushchyj 17 97 96 31 Contr: (RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1114 UTC  
male voice: MDZhB 56 590 Miagkotelyj 07 98 37 35 Contr: (RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1230 UTC  
male voice: MDZhB 82 992 Viazovina 00 42 82 06 Contr: (RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1237 UTC  
male voice: MDZhB 51 315 Viazovyj 78 81 57 15 Contr: (RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1252 UTC  
male voice: MDZhB 24 397 Yarmo 84 74 15 42 Yarmuk 55 61 60 81 Contr:  
(RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1258 UTC  
male voice: MDZhB 33 010 Drovni 66 05 57 49 Contr: (RP)  
4625 S28 Mode: USB Date/time: 30-9-2010, 1302 UTC  
male voice: MDZhB 06 183 Krovnik 56 50 47 49 Contr: (RP)  
4625 S28 Mode: USB Date/time: 10-9-2010, 1744 UTC  
Conversation in Russian. Male voices. (not sure if it is S28)Contr: (AB)  
4625.0 S28 Mode: AM Date/time: Thu 30-9-2010, 1130 UTC  
Russian UVB-76 numbers station S1 signal Contr: (TC2)  
4626 M32 Mode: CW Date/time: 29-9-2010, 1800 UTC  
Russian Mil tactical net. Contr: (AB)  
4627 M21 Mode: CW Date/time: 6-9-2010, 1456 UTC  
=991856??0????? Contr: (JPL-HK)  
4627 M21 Mode: CW Date/time: 7-9-2010, 1812 UTC  
PVO id "8" Contr: (AB)  
4627 M21 Mode: CW Date/time: 26-9-2010, 1853 UTC  
=992253??8????? Contr: (AB-RUS)  
4627 M21 Mode: CW Date/time: 29-9-2010, 1853 UTC  
PVO =99 strings Contr: (AB)  
4667 S28 Mode: USB Date/time: 15-9-2010, 1855 UTC  
Buzzer //4625 kHz Contr: (AB)  
4667.6 S28 Mode: USB Date/time: 8-9-2010, 1859 UTC  
Parasitic freq //4625//4710.2 kHz Contr: (RP)  
4668 S28 Mode: USB Date/time: 18-9-2010, 2107 UTC  
Buzzer. Sounds like a sick cow. Signal is shifting slowly to a higher  
freq. //4625 kHz which sounds normal. Contr: (AB)  
4670 S28 Mode: USB Date/time: 18-9-2010, 1714 UTC  
Buzzer Contr: (BCI)  
4710.2 S28 Mode: USB Date/time: 8-9-2010, 1859 UTC  
Parasitic freq //4625//4667.6 kHz Contr: (RP)  
4787 G06 Mode: AM Date/time: Mon 13-9-2010, 1700 UTC  
892:0 Contr: (HFD)  
4854 S21 Mode: USB Date/time: Tue 7-9-2010, 1842 UTC  
454 both strong //4454 Contr: (HFD)  
4860 M89 Mode: CW Date/time: 7-9-2010, 1821 UTC  
VVV Q2M DE NYZ (R5) //6840 kHz Contr: (JPL-HK)  
4860 M89 Mode: CW Date/time: 8-9-2010, 1720 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)  
4860 M89 Mode: CW Date/time: 13-9-2010, 1720 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)  
4860 M89 Mode: CW Date/time: 26-9-2010, 1325 UTC  
VVV VVV VVV Q2M Q2M Q2M DE NYZ NYZ) (R5) QSA ? K //6840 Contr: (JPL-  
HK)  
4860 M89 Mode: CW Date/time: 27-9-2010, 1821 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840 Contr: (JPL-HK)  
4955 M45 Mode: CW Date/time: Thu 2-9-2010, 1802 UTC  
555-437/33=23117 //4555 Contr: (HFD)  
5020 M01 Mode: CW Date/time: Thu 2-9-2010, 2000 UTC  
463 Contr: (HFD)  
5020 M01 Mode: CW Date/time: Tue 14-9-2010, 2000 UTC  
463 Contr: (HFD)  
5117.0 SK01 Mode: USB Date/time: Mon 6-9-2010, 0400 UTC  
RDFT-No decode Contr: (M11)  
5149 E11 Mode: USB Date/time: Wed 29-9-2010, 0540 UTC  
276/37 Contr: (HFD)  
5149.0 E11 Mode: USB Date/time: Thu 30-9-2010, 0540 UTC  
Good signal. S3 on my Panasonic DR48. Contr: (PanDR)  
5153.7 MX Mode: CW Date/time: 4-9-2010, 1814 UTC

5153.8 MX Beacon "D" Sevastopol Contr: (MPJ)  
 Mode: CW Date/time: 4-9-2010, 1814 UTC  
 Beacon "P" Kaliningrad Contr: (MPJ)  
 5153.9 MX Mode: CW Date/time: 4-9-2010, 1814 UTC  
 Beacon "S" Severomorsk Contr: (MPJ)  
 5186 E06 Mode: AM Date/time: Thu 2-9-2010, 2030 UTC  
 891-320/15=56744 Contr: (HFD)  
 5197 E06 Mode: AM Date/time: Fri 3-9-2010, 2130 UTC  
 634-321/15=35792 Contr: (HFD)  
 5310 M89 Mode: CW Date/time: 11-9-2010, 1510 UTC  
 V QPZM QPZM QPZM DE WOXN WOXN //7833 kHz Contr: (AB-HK)  
 5310 M89 Mode: CW Date/time: 13-9-2010, 1727 UTC  
 V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)  
 5324 M31 Mode: Baudot 50/400 Date/time: 17-2-2010, 0644 UTC  
 FDI22 - FAF Narbonne. TEST "CECI E UNE EMISSIONE DE CALORIE  
 DESTINE POUR LE REGLAGE DE VOTRE RECEPTEUR" Contr: (BCI)  
 5345 M23 Mode: CW Date/time: 7-9-2010, 1601 UTC  
 579 (R10) Contr: (JPL-SUI)  
 5345 M23 Mode: CW Date/time: 7-9-2010, 1801 UTC  
 579 (R10) Contr: (JPL-SVK)  
 5345 M23 Mode: CW Date/time: 12-9-2010, 1802 UTC  
 579 //8030 kHz Contr: (JPL-AUT)  
 5345 M23 Mode: CW Date/time: 13-9-2010, 1602 UTC  
 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //8030 kHz Contr: (JPL-SVK)  
 5345 M23 Mode: CW Date/time: 13-9-2010, 1802 UTC  
 246 (R10) BT (x2) 22 BT 67486 (Long zeros) //8030 kHz Contr: (JPL-SVK)  
 5345 M23 Mode: CW Date/time: 27-9-2010, 1802 UTC  
 246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Mon) //8030  
 Contr: (JPL-AUS)  
 5345 M23 Mode: CW Date/time: 28-9-2010, 1802 UTC  
 246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Tue) //8030  
 Contr: (JPL-AUT)  
 5345 M23 Mode: CW Date/time: 29-9-2010, 1602 UTC  
 246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Wed) //8030  
 Contr: (JPL-D)  
 5345 M23 Mode: CW Date/time: 30-9-2010, 1820 UTC  
 246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2)  
 (Thurs) //8030. Contr: (JPL-AUT)  
 5424 M42 Mode: Baudot 50/500 Date/time: 17-9-2010, 0945 UTC  
 Russian Gov/Intel. 5FGs with =50= separator after " ... 17 0900 724=",  
 end "0948 k" into OP-chat "CFM NIL NIL SK SK". Contr: (Alf)  
 5428 S06 Mode: AM Date/time: Fri 10-9-2010, 1933 UTC  
 ip Contr: (HFD)  
 5428 S06 Mode: AM Date/time: Sat 18-9-2010, 1930 UTC  
 405-816/90=25722 Contr: (HFD)  
 5445.5 S28 Mode: USB Date/time: 27-9-2010, 1600 UTC  
 Continuous buzz Contr: (AB)  
 5448 S30 Mode: CW/USB Date/time: 24-9-2010, 1320 UTC  
 Pip + voice message "Dlia: FLE8, AVMN, KhBGB, TZLM, 9ZhBD, 8CShchJ,  
 FYa5E, F61N, 37CN, MUDR. Kak slyshno? Priyom". Contr: (RP)  
 5474 M01 Mode: CW Date/time: Tue 7-9-2010, 1800 UTC  
 463-710/#3=97012 Contr: (HFD)  
 5500 M89 Mode: CW Date/time: 7-9-2010, 1829 UTC  
 V 7NPE DE QV5B //4225 kHz Contr: (JPL-HK)  
 5500 M89 Mode: CW Date/time: 8-9-2010, 1710 UTC  
 V 7NPE DE QV5B //4225 kHz Contr: (JPL-HK)  
 5500 M89 Mode: CW Date/time: 10-9-2010, 2247 UTC  
 V 7NPE DE QV5B //4225 kHz Contr: (JPL-HK)  
 5500 M89 Mode: CW Date/time: 11-9-2010, 1500 UTC  
 V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz Contr: (AB-HK)  
 5500 M89 Mode: CW Date/time: 13-9-2010, 1727 UTC  
 V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)  
 5500 M89 Mode: CW Date/time: 26-9-2010, 1315 UTC  
 V 7NPE 7NPE 7NPE DE QV5B QV5B (Cont'd) //4225 Contr: (JPL-HK)  
 5682 M89 Mode: CW Date/time: 6-9-2010, 1452 UTC  
 V MB3R DE YA6X Contr: (JPL-HK)  
 5682 M89 Mode: CW Date/time: 7-9-2010, 1835 UTC  
 V MB3R DE YA6X Contr: (JPL-HK)  
 5682 M89 Mode: CW Date/time: 8-9-2010, 1716 UTC  
 V MB3R DE YA6X Contr: (JPL-HK)  
 5748 M51 Mode: CW Date/time: 24-9-2010, 1624 UTC

"NR 37 S E ?IO 18:26:02 1982 BT IIYXE WZAKE SQUSN SCVLI" Contr: (BCI)

5752 M21 Mode: CW Date/time: 12-9-2010, 1706 UTC  
=992106 ??8????? Contr: (JPL-SVK)

5760 S06 Mode: AM Date/time: Tue 7-9-2010, 0700 UTC  
374-275/6=32552 Contr: (HFD)

5762.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0200 UTC  
SSYL atencion: 48552 87722 85871 Weak sig. Contr: (westli)

5774.5 M51 Mode: CW Date/time: 31-8-2010, 2136 UTC  
NR 89 A 31 23:36:44 1982 = MFGEA IRVRV ... OLEIZ IMYWR = NR 90 A 31  
23:42:56 1982 = EXYAA NFUVZ ... Spuri on 5776.6 kHz. Contr: (MPJ)

5776 S06 Mode: AM Date/time: Mon 20-9-2010, 1900 UTC  
349:0 Contr: (HFD)

5779 E11 Mode: USB Date/time: Mon 27-9-2010, 0445 UTC  
410/34 Contr: (HFD)

5781 S06 Mode: AM Date/time: Mon 13-9-2010, 1900 UTC  
349:0 Contr: (HFD)

5800.0 M08a Mode: AM Date/time: Fri 10-9-2010, 0559 UTC  
M08a 0559Z-0634Z; SK01 at 0634Z, 0639Z, 0643Z, 0648Z, and 0653Z Contr:  
(AnNYC)

5800.0 M08a Mode: MCW Date/time: Sat 11-9-2010, 0600 UTC  
25672 03322 57182 Contr: (BS3)

5800.0 M08a Mode: AM Date/time: Fri 17-9-2010, 0559 UTC  
TDNAA RADNA NAWUA; Extremely good reception and legibility Contr:  
(AnNYC)

5800.0 M08a Mode: MCW Date/time: Sun 19-9-2010, 0600 UTC  
Weaker than normal sig. Correction of near-identical post. Signal is  
fluctuating, Contr: (BCA)

5800.0 M08a Mode: AM Date/time: Tue 21-9-2010, 0558 UTC  
NGNDA GRINN RNUNN Contr: (AnNYC)

5800.0 M08a Mode: AM Date/time: Thu 23-9-2010, 0600 UTC  
UGANA RDANA RINTN; Light QRM Contr: (AnNYC)

5800.0 M08a Mode: AM Date/time: Fri 24-9-2010, 0600 UTC  
Heavy static impeded copy Contr: (AnNYC)

5800.0 M08a Mode: AM Date/time: Sun 26-9-2010, 0608 UTC  
Presumed continuation of WATUN UDUNN TNDIN that began on 5898KHz at  
06:00Z Contr: (AnNYC)

5800.0 M08a Mode: AM Date/time: Tue 28-9-2010, 0600 UTC  
Severe interference, good signal, no copy Contr: (AnNYC)

5800.0 SK01 Mode: AM Date/time: Wed 22-9-2010, 0701 UTC  
Very low QRM but always shows up with a vengeance during a Tx Contr:  
(AnNYC)

5800.0 V02 Mode: AM Date/time: Mon 6-9-2010, 0300 UTC  
In progress, YL/SS Contr: (M11)

5807.36 OLO Mode: FEC 100/170 Date/time: 27-9-2010, 1920 UTC  
32

Czech Intel. Contr: (ALF)

5810 M01b Mode: CW Date/time: Fri 24-9-2010, 1515 UTC  
158-448/30=66174 Contr: (HFD)

5810.0 M08a Mode: AM Date/time: Wed 22-9-2010, 0500 UTC  
Expected but no carrier detected (USB/LSB? Schedule error?)  
Contr: (AnNYC)

5810.0 M08a Mode: AM Date/time: Wed 22-9-2010, 0600 UTC  
Expected but no carrier detected (USB/LSB? Schedule error?)  
Contr: (AnNYC)

5810.0 M08a Mode: AM Date/time: Fri 24-9-2010, 0500 UTC  
Expected but no carrier or alternate frequency found Contr: (AnNYC)

5810.0 M08a Mode: AM Date/time: Fri 24-9-2010, 0600 UTC  
Expected; found on 5800KHz Contr: (AnNYC)

5810.0 M08a Mode: AM Date/time: Sun 26-9-2010, 0500 UTC  
Scheduled, not found: The usual suspects (5800KHz and 5883KHz) Contr:  
(AnNYC)

5810.0 M08a Mode: AM Date/time: Sun 26-9-2010, 0600 UTC  
Scheduled; found on 5898KHz, then 5800KHz Contr: (AnNYC)

5810.0 SK01 Mode: AM Date/time: Wed 22-9-2010, 0700 UTC  
Expected but no carrier detected - Schedule error likely (SK01 found on  
5800KHz) Contr: (AnNYC)

5815 G11 Mode: USB Date/time: 19-9-2010, 1205 UTC  
278/37 A 82008 85839 .... 65281 ENDE Contr: (HS2)

5815 G11 Mode: USB Date/time: Tue 28-9-2010, 1205 UTC  
270/00 Contr: (HFD)

5815 S11 Mode: USB Date/time: 22-9-2010, 0950 UTC

221/00] Weak Hans WED Contr: (HS2)

5829 M12 Mode: CW Date/time: Tue 28-9-2010, 0340 UTC  
890:2 Contr: (HFD)

5831 E11 Mode: USB Date/time: Thu 23-9-2010, 1830 UTC  
416/00 Contr: (HFD)

5853.36 OLO Mode: FEC 100/170 Date/time: 3-9-2010, 1309 UTC  
32

5882.0 V02 Czech intelligence Contr: (WP3)  
Mode: AM Date/time: Thu 16-9-2010, 0700 UTC  
Atencion 26451 68011 86161; Msg. headers `76369 23360`, `\*\*026 4898\*`, &  
`22964 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Sat 4-9-2010, 0700 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5883.0 V02 Mode: AM Date/time: Sat 4-9-2010, 0700 UTC  
SiO 433 5FG, "....." missed callup Contr: (ETN)

5883.0 V02 Mode: AM Date/time: Sun 5-9-2010, 0700 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5883.0 V02 Mode: AM Date/time: Fri 10-9-2010, 0700 UTC  
In TFC Contr: (BS3)

5883.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0700 UTC  
83032 66171 66381 Contr: (BS3)

5883.0 V02 Mode: AM Date/time: Sun 19-9-2010, 0700 UTC  
Atencion 28522 82152 26582; Headers 15173 71633, 84255 40506, 57716  
27004 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Sun 19-9-2010, 0700 UTC  
SSYL: ..... VG sig. Caught late. Contr: (westli)

5883.0 V02 Mode: AM Date/time: Mon 20-9-2010, 0659 UTC  
Atencion 03142 82811 87341; Headers 58788 78447, 22040 20283, 82270  
32746 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Mon 20-9-2010, 0759 UTC  
Atencion 03142 82811 87341; Headers 27857 14260, 35373 44246, 18602  
14533 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Tue 21-9-2010, 0658 UTC  
Atencion 03671, 80412, 23442; Heavy interference from WWCR Contr:  
(AnNYC)

5883.0 V02 Mode: AM Date/time: Thu 23-9-2010, 0700 UTC  
Atencion 03282 02652 81101; Headers 57824 10851, 39028 73360, 14919  
20814 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Fri 24-9-2010, 0700 UTC  
Present but unintelligible Tx: Faint signal, severe static, heavy  
interferenc. Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Sat 25-9-2010, 0700 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5883.0 V02 Mode: AM Date/time: Sun 26-9-2010, 0700 UTC  
Atencion 33052 82161 16521; Headers 61301 86235(?), \*\*\*\*\* \*\*\*, 2\*\*66  
\*0461 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Sun 26-9-2010, 0700 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5883.0 V02 Mode: AM Date/time: Tue 28-9-2010, 0700 UTC  
Atencion 40671 14541 32542; Headers 15378 84480, 26801 12370, 60686  
72218 Contr: (AnNYC)

5883.0 V02 Mode: AM Date/time: Thu 30-9-2010, 0659 UTC  
Atencion 78762 80431 12532; Headers 26167 17335, 06[455] 70441, 01712  
62666 Contr: (AnNYC)

5893 M12 Mode: CW Date/time: Wed 1-9-2010, 2120 UTC  
785 Contr: (HFD)

5898.0 M08a Mode: MCW Date/time: Wed 1-9-2010, 0500 UTC  
5f cut nums: 26832 ..... Good sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Sat 4-9-2010, 0500 UTC  
5f cut nums: ..... Weak sig. Up late IP. QRM  
Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Mon 6-9-2010, 0500 UTC  
Contr: (M11)

5898.0 M08a Mode: MCW Date/time: Mon 6-9-2010, 0500 UTC  
5f cut nums: ..... Good sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Tue 7-9-2010, 0500 UTC  
5f cut nums: ..... Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Tue 7-9-2010, 0500 UTC  
Strong, but fluctuating signal. Had TV on, so could not write down  
letters. Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Thu 9-9-2010, 0500 UTC

5f cut nums: 81072 00552 70062 VG sig. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0500 UTC  
Good sig, but elec. interference prevents copying. Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Sat 11-9-2010, 0500 UTC  
5f cut nums: ..... VG sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Sat 11-9-2010, 0500 UTC  
Very strong. Fades in/out. Clear at peaks and fuzzy when not.  
Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Mon 13-9-2010, 0500 UTC  
5f cut nums: 98201 90761 65211 Good sig. Contr: (westli)

5898.0 M08a Mode: AM Date/time: Thu 16-9-2010, 0458 UTC  
Musical tones preceded morse code. Possible interpretations are...

Contr:

(AnNYC)

5898.0 M08a Mode: MCW Date/time: Thu 16-9-2010, 0500 UTC  
5f cut nums: 84261 67662 33351 Good sig. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Thu 16-9-2010, 0500 UTC  
Good, strong signal, but fades plenty. Typical trnsmission, nothing special.  
Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Fri 17-9-2010, 0500 UTC  
5f cut nums: 03211 61321 21541 Good sig. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Sat 18-9-2010, 0500 UTC  
Very strong signal. No audible beeping as of 0508z. Little fading.  
Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Mon 20-9-2010, 0500 UTC  
Very strong (S9) but fluctuating signal. Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Mon 20-9-2010, 0500 UTC  
5f cut nums: ..... VG sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: AM Date/time: Tue 21-9-2010, 0500 UTC  
\*\*\*\*\* RNUNN; Heard R. Havana Cuba interval tones and ident through the QRM Contr: (AnNYC)

5898.0 M08a Mode: MCW Date/time: Tue 21-9-2010, 0500 UTC  
5f cut nums: ..... 62422 Good sig. Up late IP. up at 0522z  
Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Thu 23-9-2010, 0500 UTC  
5f cut nums: 48121 ..... VG sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: AM Date/time: Thu 23-9-2010, 0501 UTC  
????? RDANA RINTN; Carrier-on was late so call-up was skipped Contr: (AnNYC)

5898.0 M08a Mode: MCW Date/time: Sat 25-9-2010, 0500 UTC  
5f cut nums: 81171 70772 72872 Good sig. Contr: (westli)

5898.0 M08a Mode: AM Date/time: Sun 26-9-2010, 0600 UTC  
Call-up copied as WATUN UDUNN TNDIN through strong interference Contr: (AnNYC)

5898.0 M08a Mode: MCW Date/time: Mon 27-9-2010, 0500 UTC  
5f cut nums: ..... VG sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Tue 28-9-2010, 0500 UTC  
Heavy electrical noise. About S5. Fading. Contr: (BCA)

5898.0 M08a Mode: MCW Date/time: Tue 28-9-2010, 0500 UTC  
5f cut nums: ..... VG sig. Up late IP. Contr: (westli)

5898.0 M08a Mode: MCW Date/time: Thu 30-9-2010, 0500 UTC  
Very good sig, but heavy electrical noise. Caught IP. Little fading noted. Contr: (BCA)

5898.0 M08 Mode: AM Date/time: Fri 10-9-2010, 0505 UTC  
M08a 0505Z-0538Z; SK01 at 0539Z, 0544Z, and 0549Z Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0800 UTC  
83032 66171 66381 Contr: (BS3)

5898.0 V02 Mode: AM Date/time: Thu 16-9-2010, 0759 UTC  
Atencion 26451 68011 86161; Msg. headers `76369 23360`, `2\*\*\*6 48981`, & `22964 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Fri 17-9-2010, 0659 UTC  
Atencion 80571 78242 56312; Headers 80322 56444, 07385 50535, 73233 94934 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Sat 18-9-2010, 0755 UTC  
Dead air until 08:29Z; V02a barely discernable over QRM Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Sun 19-9-2010, 0800 UTC  
Atencion 28522 82152 26582; Headers 15173 71633, 61667 33853, 11850 13221 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Thu 23-9-2010, 0800 UTC  
Atencion 03282 02652 81101; Headers 64\*6\* 1051\*, 39028 73360, 14919



20814 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Fri 24-9-2010, 0800 UTC  
Atencion 11662 26032 77161; Severe static, heavy interference from WWCR  
Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Sat 25-9-2010, 0800 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5898.0 V02 Mode: AM Date/time: Sun 26-9-2010, 0800 UTC  
Atencion 33052 82161 16521; Headers 67863 55550, 50285 88168, 742\*\*  
01\*44 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Mon 27-9-2010, 0800 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5898.0 V02 Mode: AM Date/time: Tue 28-9-2010, 0800 UTC  
Atencion 40671 14541 32542; Headers 15378 84480, 581\*\* 61585, \*\*\*\*\*  
04008 Contr: (AnNYC)

5898.0 V02 Mode: AM Date/time: Tue 28-9-2010, 0800 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

5898.0 V02 Mode: AM Date/time: Thu 30-9-2010, 0759 UTC  
Atencion 78762 80431 12532; Headers 06678 06248, 06455 70441, 01712  
62666 Contr: (AnNYC)

5900.0 V02 Mode: AM Date/time: Sat 4-9-2010, 0800 UTC  
SiO 444 5FG, "....." missed callup Contr: (ETN)

5930.0 SK01 Mode: AM Date/time: Thu 23-9-2010, 0935 UTC  
Carrier on at 09:32Z clobbered religious station, high-pitched wail but  
not loud Contr: (AnNYC)

5934 G06 Mode: AM Date/time: Thu 9-9-2010, 1830 UTC  
579 BC CW RM Contr: (HFD)

5947.0 SK01 Mode: AM Date/time: Sat 11-9-2010, 0900 UTC  
RDFT no decode Contr: (BS3)

5947.0 SK01 Mode: AM Date/time: Thu 23-9-2010, 0900 UTC  
Impossible listening: SK01 and some religious station hit the air  
almost simultaneously. Contr: (AnNYC)

6250.0 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
S4 or S5 today Contr: (ZW)

6261 M01 Mode: CW Date/time: Sat 11-9-2010, 1500 UTC  
463 Contr: (HFD)

6379 M22 Mode: CW Date/time: 29-9-2010, 1731 UTC  
4XZ: IN Haifa ISR 2041 cw = = vvv de 4xz 4xz = = Contr: (WP3)

6397 E11 Mode: USB Date/time: Tue 28-9-2010, 0500 UTC  
576/00 Contr: (HFD)

6410 S06 Mode: AM Date/time: Sat 4-9-2010, 1000 UTC  
893 Contr: (HFD)

6417.0 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
S0 Just in and out of noise Contr: (ZW)

6445.0 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
S5 with some other signal QRM Contr: (XW)

6464 S06 Mode: AM Date/time: Tue 7-9-2010, 1500 UTC  
537-482/6=38928 Contr: (HFD)

6508 M01 Mode: CW Date/time: Sun 12-9-2010, 0700 UTC  
463 Contr: (HFD)

6524 E11 Mode: USB Date/time: Thu 30-9-2010, 0800 UTC  
ip Contr: (HFD)

6768.0 SK01 Mode: USB Date/time: Mon 6-9-2010, 0400 UTC  
RDFT-No decode Contr: (M11)

6768.0 V02 Mode: AM Date/time: Sat 4-9-2010, 0100 UTC  
SSYL 5F. Not a great signal, but good enough. Contr: (Max)

6768.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0100 UTC  
48552 97722 85871 Contr: (BS3)

6768.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0500 UTC  
Weak but readable. Do have audio recording. Contr: (BCA)

6768.0 V02 Mode: AM Date/time: Mon 13-9-2010, 0400 UTC  
SSYL atencion: 60662 44251 12121 Good sig. Contr: (westli)

6784 M12 Mode: CW Date/time: Mon 13-9-2010, 0400 UTC  
751:1 Contr: (HFD)

6786.0 V02 Mode: AM Date/time: Sat 11-9-2010, 0100 UTC  
SSYL atencion: 48552 87722 85871 Good sig. Contr: (westli)

6793 M12 Mode: CW Date/time: Wed 1-9-2010, 2100 UTC  
785:0 Contr: (HFD)

6798 M31 Mode: CW Date/time: 11-6-2010, 0833 UTC  
FDI22: French Air Force Narbonne, vvv-mkr. Contr: (ALF)

6802 M12 Mode: CW Date/time: Tue 7-9-2010, 1620 UTC  
463:1 Contr: (HFD)

6809 MX Mode: CW Date/time: 3-9-2010, 2101 UTC  
Beacon "V" Khiva Contr: (VL)

6824 M51 Mode: CW Date/time: 28-9-2010, 1001 UTC  
FAV22: CSTEI Favieres 1001 J3E/USB "open microphone" like noise; TX  
usually used by "FAV22's Morse lessons on 6825 kHz" no morse lessons;  
but // to 6712 kHz (CIRCUS VERTE: CFAP Villacoublay). Contr: (ALF)

6825 M51 Mode: CW Date/time: 4-9-2010, 1211 UTC  
FAV22 morse training Contr: (norave)

6825 M51 Mode: CW Date/time: 23-9-2010, 0958 UTC  
FAV22: CSTEI Favieres, via Vernon 0958 J3E/USB "open microphone"-like  
noise; TX usually used by "FAV22 Morse lessons" who was on the same time.  
Same "channel-marker" on 6699.9 ("VEILLEUR", CCOA Taverny) & 6712 kHz  
("CIRCUS VERTE", CFAP Villacoublay). Contr: (ALF)

6825 M51 Mode: CW Date/time: 24-9-2010, 1139 UTC  
FAV22 5 characters groups Contr: (ML4)

6830 S06 Mode: AM Date/time: Mon 13-9-2010, 1610 UTC  
176 Contr: (HFD)

6840 E10 Mode: AM Date/time: 8-9-2010, 0329 UTC  
EZI2 Contr: (Ahmad)

6840 E10 Mode: USB Date/time: 10-9-2010, 2033 UTC  
Mossad mgs Contr: (BvR)

6840 M89 Mode: CW Date/time: 7-9-2010, 1821 UTC  
VVV Q2M DE NYZ (R5) //4860 kHz Contr: (JPL-HK)

6840 M89 Mode: CW Date/time: 8-9-2010, 1720 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)

6840 M89 Mode: CW Date/time: 13-9-2010, 1720 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)

6840 M89 Mode: CW Date/time: 26-9-2010, 1320 UTC  
VVV VVV VVV Q2M Q2M Q2M DE NYZ NYZ (R5) QSA ? K //486 Contr: (JPL-  
HK)

6840 M89 Mode: CW Date/time: 27-9-2010, 1821 UTC  
VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //4860 Contr: (JPL-HK)

6840.0 E10 Mode: USB Date/time: Wed 1-9-2010, 0013 UTC  
Contr: (W1GFD)

6840.0 E10 Mode: AM Date/time: Fri 10-9-2010, 2240 UTC  
EZI, poor reception, unable to copy the message due to lot of  
interferences Contr: (IP-SE)

6842 M12s Mode: CW Date/time: Mon 6-9-2010, 0500 UTC  
891:1 Contr: (HFD)

6855 VC01 Mode: USB Date/time: 24-9-2010, 0914 UTC  
Chinese robot (txm started at 0914 UTC) Contr: (AB-HK)

6855.0 V02 Mode: AM Date/time: Mon 6-9-2010, 0300 UTC  
SSYL atencion: 13732 431.. 13.4. Weak sig. Sounds like a maladjusted  
xmtr. Contr: (westli)

6855.0 V02 Mode: AM Date/time: Mon 13-9-2010, 0300 UTC  
SSYL atencion: 60662 44251 12121 Weak sig. Contr: (westli)

6855.0 V02 Mode: AM Date/time: Mon 20-9-2010, 0300 UTC  
SSYL: ..... Weak sig. Up late IP. Contr: (westli)

6872 S06 Mode: AM Date/time: 4-9-2010, 1608 UTC  
164 164 164 00000 Contr: (Ahmad)

6872 S06 Mode: AM Date/time: Sat 18-9-2010, 1605 UTC  
864:0 Contr: (HFD)

6893 E07 Mode: AM Date/time: Thu 2-9-2010, 0700 UTC  
841:0 Contr: (HFD)

6904 M12 Mode: CW Date/time: Thu 2-9-2010, 1940 UTC  
257:1 Contr: (HFD)

6904 M12 Mode: CW Date/time: 9-9-2010, 1940 UTC  
257 1 8496 60 17412 Contr: (FN)

6904.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1940 UTC  
257 1 321 69 27490 83306 51986 ... 19799 000 000 Contr: (CG)

6929 M12 Mode: CW Date/time: Tue 28-9-2010, 0409 UTC  
890:2 Contr: (HFD)

6930 S06 Mode: AM Date/time: Tue 7-9-2010, 0715 UTC  
374 Contr: (HFD)

6956.04 M51 Mode: CW Date/time: 4-9-2010, 0938 UTC  
... XFIUX VCFGM = NR 23 S 0811:38:32 1982 = NMNIP GUDZS ... Contr:  
(MPJ)

6960 E06 Mode: AM Date/time: Thu 23-9-2010, 2105 UTC  
ip Contr: (HFD)

6960.0 --- Mode: USB Date/time: Fri 24-9-2010, 2325 UTC  
55381 55381 55381 30880 30880...497 497 166 Contr: (Ico)

6987.35 OLO Mode: FEC 100/170 Date/time: 8-9-2010, 1540 UTC  
32 Czech Intel. Contr: (BCI)

7166 M21 Mode: CW Date/time: 1-8-2010, 1600 UTC  
PVO id "9" Contr: (IARUMS)

7242 S06 Mode: AM Date/time: Tue 7-9-2010, 1510 UTC  
537 Contr: (HFD)

7320 S06 Mode: AM Date/time: Tue 7-9-2010, 0800 UTC  
418-923/5=45655 Contr: (HFD)

7335 S06 Mode: AM Date/time: 22-9-2010, 0730 UTC  
745 809 6 47586 53915 54257 56852 50214 04531 Contr: (HS2)

7340 S06 Mode: AM Date/time: Sat 4-9-2010, 1010 UTC  
893 Contr: (HFD)

7437 E07 Mode: AM Date/time: Thu 9-9-2010, 0430 UTC  
411:0 Contr: (HFD)

7469 E11 Mode: USB Date/time: 22-9-2010, 0825 UTC  
466/32 A 32866 69245 .... 16205 OUT Contr: (HS2)

7473 E07 Mode: AM Date/time: Wed 8-9-2010, 2020 UTC  
147:0 Contr: (HFD)

7493 E07 Mode: AM Date/time: Thu 2-9-2010, 0720 UTC  
841:0 Contr: (HFD)

7519.0 M08a Mode: CW Date/time: Fri 10-9-2010, 2200 UTC  
In TFC Contr: (BS3)

7521.5 M31 Mode: Baudot 50/400 Date/time: 16-2-2010, 0549 UTC  
FDI22: French Air Force Narbonne, endless "FDI222 FDI222 FDI222 ...".  
Contr: (ALF)

7526 E07 Mode: AM Date/time: Thu 2-9-2010, 2030 UTC  
358:0 Contr: (HFD)

7553 V26 Mode: USB Date/time: 11-9-2010, 1009 UTC  
Chinese number station, in progress Contr: (Sferix)

7553 V26 Mode: AM Date/time: 11-9-2010, 1330 UTC  
Chinese numbers station Contr: (token)

7553 V26 Mode: AM Date/time: 24-9-2010, 1024 UTC  
in progress //4283, 7553, 9153 kHz Contr: (AB-HK)

7554.0 V02 Mode: AM Date/time: Fri 10-9-2010, 2000 UTC  
In TFC Contr: (BS3)

7584 M12 Mode: CW Date/time: Mon 13-9-2010, 0420 UTC  
751:1 Contr: (HFD)

7591 M31 Mode: CW Date/time: 12-9-2010, 0737 UTC  
French Navy Narbonne "VVV DE FDI22" Contr: (BCI)

7605 S06 Mode: AM Date/time: Wed 1-9-2010, 0820 UTC  
471 Contr: (HFD)

7610 M42 Mode: RUS-ARQ 100/1000 Date/time: 7-9-2010, 0622 UTC  
Russian Gov/Intel Contr: (BCI)

7689.0 E10 Mode: AM Date/time: Mon 6-9-2010, 0100 UTC  
Contr: (BD2)

7772 E11 Mode: USB Date/time: 22-9-2010, 0850 UTC  
536/37 A 31245 78943 .... 38312 OUT Contr: (HS2)

7795 S06 Mode: AM Date/time: Fri 24-9-2010, 0600 UTC  
196 Contr: (HFD)

7833 M89 Mode: CW Date/time: 11-9-2010, 1510 UTC  
V QPZM QPZM QPZM DE WOXN WOXN //5310 kHz Contr: (AB-HK)

7833 M89 Mode: CW Date/time: 24-9-2010, 0921 UTC  
V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)

7853.9 M31 Mode: Baudot 50/400 Date/time: 19-2-2010, 1721 UTC  
FDI22 - FAF Narbonne. RY+TEST "VOYEZ LE BRICK GEANT QUE JEXAMINE  
PRES DU GRAND WHARF 012346789" Contr: (BCI)

7855.5 M31 Mode: Baudot 50/400 Date/time: 16-2-2010, 1728 UTC  
FDI22 - FAF Narbonne. "DE FDI2222 DE FDI2222 DE FDI2222 DE FDI2222"  
Contr: (BCI)

7880 S06 Mode: AM Date/time: Mon 13-9-2010, 2115 UTC  
961:0 Contr: (HFD)

7924 VC01 Mode: USB Date/time: 7-9-2010, 0905 UTC  
Chinese robot number station Contr: (sferix)

7931 M12 Mode: CW Date/time: Thu 2-9-2010, 1920 UTC  
257:1 Contr: (HFD)

7931 M12 Mode: CW Date/time: 9-9-2010, 1920 UTC  
257 1 8496 60 17412 Contr: (FN)

7931.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1920 UTC  
257 1 321 69 27490 83306 51986 ... 19799 000 000 Contr: (CG)

7960 M31 Mode: CW Date/time: 19-6-2010, 1248 UTC  
FDI22: French Air Force Narbonne, vvv-mkr. Contr: (ALF)

7960 M31 Mode: CW Date/time: 4-9-2010, 1244 UTC  
FDI22: French Air Force Narbonne "vvv vvv vvv de fdi22 fdi22 fdi22 ar"  
Contr: (WP3)

7967 XPA Mode: AM Date/time: Tue 7-9-2010, 1440 UTC  
msg Contr: (HFD)

8009.0 M08a Mode: CW Date/time: Mon 13-9-2010, 2300 UTC  
5f cut nums: 53702 75872 23712 Weak sig. Contr: (westli)

8023 G06 Mode: AM Date/time: Sat 18-9-2010, 2030 UTC  
364:0 Contr: (HFD)

8029 M12 Mode: CW Date/time: Tue 28-9-2010, 0418 UTC  
890:2 Contr: (HFD)

8030 M23 Mode: CW Date/time: 12-9-2010, 1802 UTC  
579 //5345 kHz Contr: (JPL-AUT)

8030 M23 Mode: CW Date/time: 13-9-2010, 1602 UTC  
246 (R10) BT (x2) 22 BT 67486 (Long zeros) //5345 kHz Contr: (JPL-SVK)

8030 M23 Mode: CW Date/time: 13-9-2010, 1802 UTC  
246 (R10) BT (x2) 22 BT 67486 (Long zeros) //5345 kHz Contr: (JPL-SVK)

8030 M23 Mode: CW Date/time: 27-9-2010, 1802 UTC  
246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Mon) //5345  
Contr: (JPL-AUS)

8030 M23 Mode: CW Date/time: 28-9-2010, 1802 UTC  
246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Tue) //5345  
Contr: (JPL-AUT)

8030 M23 Mode: CW Date/time: 29-9-2010, 1602 UTC  
246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2) (Wed) //5345  
Contr: (JPL-D)

8030 M23 Mode: CW Date/time: 30-9-2010, 1820 UTC  
246 (R10) BT (1812z) 22 (x2) BT 67486 (Long zeros) AR (x2)  
(Thurs) //5345  
Contr: (JPL-AUT)

8040 S06 Mode: AM Date/time: Mon 13-9-2010, 1600 UTC  
176-498/5=03176 Contr: (HFD)

8047 M12 Mode: CW Date/time: Tue 7-9-2010, 1600 UTC  
463:1 Contr: (HFD)

8047 M12 Mode: CW Date/time: Wed 8-9-2010, 1700 UTC  
463:1 Contr: (HFD)

8068 M42 Mode: MFSK-16 7.49Bd Date/time: 7-9-2010, 1941 UTC  
Russian Gov/Intel. Very short traffic (1930z sked) Contr: (linkz)

8096.0 M08a Mode: CW Date/time: Wed 1-9-2010, 1400 UTC  
5f cut nums: 15671 17872 80661 Good sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Fri 3-9-2010, 1400 UTC  
5f cut nums: 31501 58512 26471 Weak sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Fri 10-9-2010, 1300 UTC  
86111 65252 58872 Contr: (BS3)

8096.0 M08a Mode: CW Date/time: Fri 10-9-2010, 1400 UTC  
5f cut nums: 86111 65252 58872 Weak sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Mon 13-9-2010, 1400 UTC  
5f cut nums: 09071 .6471 55... Very weak sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Wed 15-9-2010, 1400 UTC  
5f cut nums: 47662 28682 18371 Weak sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Fri 24-9-2010, 1400 UTC  
5f cut nums: 46162 63882 78732 Very weak sig. Contr: (westli)

8096.0 M08a Mode: CW Date/time: Wed 29-9-2010, 1400 UTC  
5f cut nums: 20861 68072 05311 Very weak sig. Contr: (westli)

8097.0 M08a Mode: MCW Date/time: Mon 6-9-2010, 1300 UTC  
Contr: (M11)

8097.0 M08a Mode: AM Date/time: Mon 6-9-2010, 1900 UTC  
5 fig cut numbers in progress Contr: (TH2)

8116 M12 Mode: CW Date/time: Thu 2-9-2010, 1840 UTC  
124:1 Contr: (HFD)

8116.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1840 UTC  
124 1 9412 95 22019 41194 05185 ... 79024 000 000 Contr: (CG)

8123 X06 Mode: AM Date/time: 17-9-2010, 0517 UTC  
Mazielka. Sequence: 463125 Contr: (HS2)

8135.0 M08a Mode: CW Date/time: Tue 7-9-2010, 2300 UTC  
5f cut nums: 45072 18841 27432 Very weak sig. Contr: (westli)

8135.0 M08a Mode: CW Date/time: Fri 10-9-2010, 2300 UTC  
20581 21422 53652 Contr: (BS3)

8135.0 M08a Mode: CW Date/time: Fri 10-9-2010, 2300 UTC  
5f cut nums: 20581 21422 53652 Weak sig. QRM Contr: (westli)

8135.0 M08a Mode: CW Date/time: Thu 30-9-2010, 2300 UTC

Extremely weak, barely audible with my best antenna. Contr: (BCA)

8137 E07 Mode: AM Date/time: Thu 9-9-2010, 0450 UTC  
411:0 Contr: (HFD)

8158 M12 Mode: CW Date/time: Tue 7-9-2010, 0410 UTC  
134:0 Contr: (HFD)

8173 E07 Mode: AM Date/time: Wed 8-9-2010, 2000 UTC  
147:0 Contr: (HFD)

8180 M42 Mode: RUS-ARQ 100/1500/2CH Date/time: 8-9-2010, 0455 UTC  
Russian Gov/Intel. Contr: (BCI)

8180.0 V02 Mode: AM Date/time: Thu 16-9-2010, 0800 UTC  
SSYL: ..... VG sig. Caught late. Contr: (westli)

8186.0 SK01 Mode: AM Date/time: Sat 11-9-2010, 0800 UTC  
RDFT no decode Contr: (BS3)

8186.0 V02 Mode: AM Date/time: Mon 6-9-2010, 0800 UTC  
SSYL atencion: 66172 27141 28451 Good sig. Contr: (westli)

8270 S06 Mode: AM Date/time: Wed 1-9-2010, 1910 UTC  
371 Contr: (HFD)

8313.0 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
About S2 Contr: (ZW)

8494.7 MX Mode: CW Date/time: 1-9-2010, 1313 UTC  
Beacon "D" Sevastopol Contr: (norave)

8494.8 MX Mode: CW Date/time: 1-9-2010, 1313 UTC  
Beacon "P" Kaliningrad Contr: (norave)

8494.9 MX Mode: CW Date/time: 1-9-2010, 1313 UTC  
Beacon "S" Severomorsk Contr: (norave)

8495 MX Mode: CW Date/time: 1-9-2010, 1313 UTC  
Beacon "C" Moscow Contr: (norave)

8588.0 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
S1 or S2 here Contr: (ZW)

8650 S06 Mode: AM Date/time: Thu 16-9-2010, 1230 UTC  
314 Contr: (HFD)

8703.5 XSL Mode: USB Date/time: Mon 27-9-2010, 1300 UTC  
S0 in and out of noise Contr: (ZW)

9040.0 V02 Mode: AM Date/time: Wed 15-9-2010, 0900 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

9040.0 V02 Mode: AM Date/time: Mon 20-9-2010, 0900 UTC  
SSYL: ..... Good sig. Caught late. Contr: (westli)

9063.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0800 UTC  
5f cut nums: 03831 63752 38831 Good sig. Contr: (westli)

9063.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0800 UTC  
03831 63752 38831 Contr: (BS3)

9063.0 M08a Mode: MCW Date/time: Wed 15-9-2010, 0800 UTC  
5f cut nums: 27822 10312 58142 Good sig. Contr: (westli)

9063.0 M08a Mode: MCW Date/time: Fri 24-9-2010, 0800 UTC  
72002 78502 57261 Good sig. Contr: (westli)

9063.0 M08a Mode: MCW Date/time: Wed 29-9-2010, 0800 UTC  
5f cut nums: 35411 55522 07181 VG sig. Contr: (westli)

9063.0 SK01 Mode: AM Date/time: Sat 11-9-2010, 0900 UTC  
RDFT 58538835.txt 1024 bytes Contr: (BS3)

9063.0 V02 Mode: AM Date/time: Wed 29-9-2010, 0900 UTC  
SSYL: ..... VG sig. Caught late. Contr: (westli)

9092 M12 Mode: CW Date/time: Fri 3-9-2010, 0600 UTC  
992:0 Contr: (HFD)

9105 X06 Mode: AM Date/time: 17-9-2010, 0522 UTC  
Mazielka. Contr: (HS2)

9112.0 M08a Mode: MCW Date/time: Sun 5-9-2010, 1000 UTC  
5f cut nums: 07231 87691 35372 Good sig. Contr: (westli)

9112.0 M08a Mode: MCW Date/time: Mon 6-9-2010, 1000 UTC  
5f cut nums: 10561 38362 71381 VG sig. Contr: (westli)

9112.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 1000 UTC  
05541 40252 44871 Contr: (BS3)

9120 S06 Mode: AM Date/time: Mon 13-9-2010, 2015 UTC  
961:0 Contr: (HFD)

9150 M03 Mode: CW Date/time: Tue 28-9-2010, 0910 UTC  
272/00 Contr: (HFD)

9153 V26 Mode: USB Date/time: 11-9-2010, 1009 UTC  
Chinese number station, in progress Contr: (Sferix)

9153 V26 Mode: AM Date/time: 11-9-2010, 1330 UTC  
Chinese numbers station Contr: (token)

9153 V26 Mode: AM Date/time: 24-9-2010, 1024 UTC  
in progress //4283, 7553, 9153 kHz Contr: (AB-HK)



9153.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0700 UTC  
 5f cut nums: 03831 63752 38831 Good sig. Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Fri 17-9-2010, 0700 UTC  
 5f cut nums: 74142 25251 83471 VG sig. Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Mon 27-9-2010, 0700 UTC  
 72002 78502 57261 Good sig. Contr: (westli)  
 9153.0 V02 Mode: AM Date/time: Wed 1-9-2010, 0700 UTC  
 SSSL atencion: 25671 83721 28251 VG sig. Contr: (westli)  
 9153.0 V26 Mode: USB Date/time: Mon 20-9-2010, 1100 UTC  
 CCYL. 3-fig in Mandarin Chinese. Fair readability. Contr: (westli)  
 9167 XPA Mode: AM Date/time: Tue 7-9-2010, 1420 UTC  
 msg Contr: (HFD)  
 9169 VC01 Mode: USB Date/time: 7-9-2010, 0905 UTC  
 Chinese robot number station Contr: (sferix)  
 9169 VC01 Mode: USB Date/time: 24-9-2010, 0849 UTC  
 Chinese robot Contr: (AB-HK)  
 9176 M12 Mode: CW Date/time: Thu 2-9-2010, 1900 UTC  
 257:1 Contr: (HFD)  
 9176.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1900 UTC  
 257 1 321 69 27490 83306 51986 ... 19799 000 000 Contr: (CG)  
 9194 M12 Mode: CW Date/time: Mon 13-9-2010, 0440 UTC  
 751:1 Contr: (HFD)  
 9220 S06 Mode: AM Date/time: Wed 1-9-2010, 1900 UTC  
 371 Contr: (HFD)  
 9225 S06 Mode: AM Date/time: Thu 2-9-2010, 1000 UTC  
 895 Contr: (HFD)  
 9225 S06 Mode: AM Date/time: Thu 9-9-2010, 1000 UTC  
 895 Contr: (HFD)  
 9255 S06 Mode: AM Date/time: Wed 1-9-2010, 0830 UTC  
 471 Contr: (HFD)  
 9264 M12 Mode: CW Date/time: Thu 2-9-2010, 1820 UTC  
 124:1 Contr: (HFD)  
 9264.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1820 UTC  
 124 1 9412 95 22019 41194 05185 ... 79024 000 000 Contr: (CG)  
 9277 XPA Mode: AM Date/time: Thu 9-9-2010, 1940 UTC  
 msg Contr: (HFD)  
 9324 M12 Mode: CW Date/time: Tue 7-9-2010, 0430 UTC  
 134:0 Contr: (HFD)  
 9349.5 M31 Mode: Baudot 50/400 Date/time: 14-2-2010, 1212 UTC  
 FDI22: French Air Force Narbonne, endless "FDI222 FDI222 FDI222 ...".  
 Contr: (ALF)  
 9356 XPA Mode: AM Date/time: Fri 3-9-2010, 0600 UTC  
 msg Contr: (HFD)  
 9387 E07 Mode: AM Date/time: Thu 2-9-2010, 2010 UTC  
 358:0 Contr: (HFD)  
 9480 S06 Mode: AM Date/time: Wed 1-9-2010, 0840 UTC  
 328 Contr: (HFD)  
 9631.25 XUP Mode: Pulse Date/time: 17-9-2010, 1738 UTC  
 pulse rate 43.75ms Contr: (MCO)  
 9840 S06 Mode: AM Date/time: Tue 7-9-2010, 0810 UTC  
 418-923/5=45655 Contr: (HFD)  
 9937 M12 Mode: CW Date/time: 5-9-2010, 1910 UTC  
 189 1 656 111 19283 5FGs Contr: (FN)  
 10031.3 XUP Mode: Pulse Date/time: 17-9-2010, 1736 UTC  
 pulse rate 43.75ms Contr: (MCO)  
 10115.0 M51 Mode: CW Date/time: Fri 3-9-2010, 0230 UTC  
 5-LETTER GROUPS BUT STRANGELY NOT TOTALLY RANDOM Contr:  
 (AA1LL)  
 10193 X06 Mode: AM Date/time: 9-9-2010, 0954 UTC  
 Mazielka. Sequence: 164532 Contr: (XSH)  
 10212.3 OLO Mode: FEC 100/170 Date/time: 7-9-2010, 1017 UTC  
 32  
 Czech Intel. Contr: (BCI)  
 10255 VTN Mode: USB Date/time: 3-9-2010, 1603 UTC  
 Vietnamese numbers Contr: (norave)  
 10262.5 M51 Mode: CW Date/time: 7-9-2010, 1659 UTC  
 "NR 52 S 17 19:19:17 1982 BT UZYWE IJVQH KQOQI XCAOX JBYGZ ' (BC)  
 Contr: (BCI)  
 10267 XPA Mode: AM Date/time: Tue 7-9-2010, 1400 UTC  
 msg Contr: (HFD)  
 10271 M42 Mode: Baudot 200/450 Date/time: 29-9-2010, 1021 UTC

Russian Gov/Intel. ".... 84542 53566522194339475 =81643  
 29575666056699587 =84844 685761045577311145=83445  
 60429094603007485 =77246 776792628014137145)57647  
 00000+++++++216" Contr: (WP3)  
 10343 M12 Mode: CW Date/time: Thu 2-9-2010, 1800 UTC  
 124:1 Contr: (HFD)  
 10343.0 M12 Mode: CW Date/time: Thu 30-9-2010, 1800 UTC  
 124 1 9412 95 22019 41194 05185 ... 79024 000 000 Contr: (CG)  
 10382 M12 Mode: CW Date/time: 9-9-2010, 1940 UTC  
 503 1 538 99 18673 Contr: (FN)  
 10420 S06 Mode: AM Date/time: Tue 7-9-2010, 0810 UTC  
 352 Contr: (HFD)  
 10432.0 M08a Mode: MCW Date/time: Sun 5-9-2010, 0900 UTC  
 5f cut nums: 07231 87691 35372 Weak sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0900 UTC  
 5f cut nums: 05541 40252 44871 Very weak sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Fri 10-9-2010, 0900 UTC  
 05541 40252 44871 Contr: (BS3)  
 10432.0 M08a Mode: MCW Date/time: Fri 17-9-2010, 0900 UTC  
 5f cut nums: 53122 33482 27841 Good sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Sun 19-9-2010, 0900 UTC  
 5f cut nums: 66381 76462 04421 Very weak sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Mon 20-9-2010, 0900 UTC  
 5f cut nums: 33341 11061 81712 Weak sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Sun 26-9-2010, 0900 UTC  
 5f cut nums: 87601 11522 52732 VG sig. Contr: (westli)  
 10432.0 M08a Mode: MCW Date/time: Mon 27-9-2010, 0900 UTC  
 5f cut nums: 44642 58542 26352 Weak sig. Contr: (westli)  
 10477 XPA Mode: AM Date/time: Thu 9-9-2010, 1920 UTC  
 msg Contr: (HFD)  
 10478 XPA Mode: AM Date/time: Thu 2-9-2010, 1920 UTC  
 msg Contr: (HFD)  
 10522 V13 Mode: USB Date/time: 6-9-2010, 1300 UTC  
 Weak S1 signal Contr: (CS)  
 10522 V13 Mode: USB Date/time: 24-9-2010, 1214 UTC  
 New Star in progress Contr: (AB-AUS)  
 10522.0 V13 Mode: USB Date/time: Sun 5-9-2010, 1300 UTC  
 CCYL New Star #4. Msg set: 9-2. Fair readability. Contr: (westli)  
 10522.0 V13 Mode: USB Date/time: Fri 10-9-2010, 1200 UTC  
 CCYL New Star #4. Msg set: 9-2. Weak. Poor readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Fri 17-9-2010, 0600 UTC  
 CCYL New Star #4. Msg set: 9-3. Very weak. Very poor readability.  
 Contr: (westli)  
 10522.0 V13 Mode: USB Date/time: Fri 17-9-2010, 1200 UTC  
 CCYL New Star #4. Msg set: 9-3. Weak. Poor readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Fri 17-9-2010, 1300 UTC  
 CCYL New Star #4. Msg set: 9-3. Weak. Fair readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Mon 20-9-2010, 1200 UTC  
 CCYL New Star #4. Msg set: 9-3. Weak. Fair readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Mon 20-9-2010, 1300 UTC  
 CCYL New Star #4. Msg set: 9-3. Weak. Fair readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Sat 25-9-2010, 1200 UTC  
 CCYL New Star #4. Msg set: 9-4. Weak. Poor readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Sat 25-9-2010, 1300 UTC  
 CCYL New Star #4. Msg set: 9-4. Weak. Poor readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Sun 26-9-2010, 0012 UTC  
 Very weak. Contr:  
 10522.0 V13 Mode: USB Date/time: Sun 26-9-2010, 0600 UTC  
 CCYL New Star #4. Msg set: 9-4. Very weak. Very poor readability. C  
 ontr: (westli)  
 10522.0 V13 Mode: USB Date/time: Sun 26-9-2010, 1200 UTC  
 CCYL New Star #4. Msg set: 9-4. Weak. Poor readability. Contr:  
 (westli)  
 10522.0 V13 Mode: USB Date/time: Sun 26-9-2010, 1300 UTC

CCYL New Star #4. Msg set: 9-4. Weak. Fair readability. Contr:  
(westli)

10522.0 V13 Mode: USB Date/time: Thu 30-9-2010, 1200 UTC  
CCYL New Star #4. Msg set: 9-4. Weak. Fair readability. Contr:  
(westli)

10522.0 V13 Mode: USB Date/time: Thu 30-9-2010, 1300 UTC  
CCYL New Star #4. Msg set: 9-4. Weak. Fair readability. Contr:  
(westli)

10592 M12 Mode: CW Date/time: Fri 3-9-2010, 0620 UTC  
992:0 Contr: (HFD)

10708 E07 Mode: AM Date/time: Wed 8-9-2010, 1920 UTC  
172:0 Contr: (HFD)

10708 E07 Mode: AM Date/time: Mon 13-9-2010, 1920 UTC  
172:0 Contr: (HFD)

10708 E07 Mode: AM Date/time: Wed 15-9-2010, 1920 UTC  
172:0 Contr: (HFD)

10835 S06 Mode: AM Date/time: Wed 15-9-2010, 0530 UTC  
153 Contr: (HFD)

10837 M12 Mode: CW Date/time: 5-9-2010, 1850 UTC  
189 1 656 111 19283 5FGs Contr: (FN)

10837 M12 Mode: CW Date/time: 26-9-2010, 1850 UTC  
189 (Cont'd) 705 115 705 115 Contr: (JPL-SVK)

10837 M12 Mode: CW Date/time: 26-9-2010, 1910 UTC  
189 (x3) 1 (Cont'd) 705 115 705 115 (1912z) 28972 (tfc cont'd - repeat  
of msg sent on 12137 and 10837) (Sun) Contr: (JPL-SVK)

10857.0 M08a Mode: CW Date/time: Wed 1-9-2010, 1400 UTC  
5f cut nums: 10071 66712 13851 Very weak sig. Contr: (westli)

10857.0 M08a Mode: CW Date/time: Wed 15-9-2010, 1400 UTC  
5f cut nums: 21232 76022 86401 Weak sig. Contr: (westli)

10857.0 M08a Mode: CW Date/time: Mon 20-9-2010, 1400 UTC  
5f cut nums: 72351 43122 58581 Good sig. Contr: (westli)

10857.0 M08a Mode: CW Date/time: Wed 29-9-2010, 1400 UTC  
5f cut nums: 10501 81331 81882 Good sig. Contr: (westli)

10871.7 MX Mode: CW Date/time: 1-9-2010, 1307 UTC  
Beacon "D" Sevastopol Contr: (norave)

10871.7 MX Mode: CW Date/time: 19-9-2010, 1520 UTC  
D: UKR Sevastopol Contr: (VL)

10871.8 MX Mode: CW Date/time: 19-9-2010, 1520 UTC  
P: RUS Kaliningrad Contr: (VL)

10871.9 MX Mode: CW Date/time: 1-9-2010, 1307 UTC  
Beacon "S" Severomorsk Contr: (norave)

10871.9 MX Mode: CW Date/time: 19-9-2010, 1521 UTC  
S: RUS Severomorsk Contr: (VL)

10872 MX Mode: CW Date/time: 1-9-2010, 1307 UTC  
Beacon "C" Moscow Contr: (norave)

10872 MX Mode: CW Date/time: 19-9-2010, 1522 UTC  
C: RUS Moscow Contr: (VL)

10872 MX Mode: CW Date/time: 29-9-2010, 0830 UTC  
RUS propagation beacon C Contr: (Imp)

10872.1 MX Mode: CW Date/time: 10-9-2010, 2129 UTC  
Beacon "A" Astrakhan Contr: (OB)

10872.1 MX Mode: CW Date/time: 19-9-2010, 1522 UTC  
A: RUS Astrakhan Contr: (VL)

10872.1 MX Mode: CW Date/time: 29-9-2010, 0830 UTC  
RUS propagation beacon S Contr: (Imp)

10872.2 MX Mode: CW Date/time: 24-9-2010, 1039 UTC  
Beacon "F" Vladivostok Contr: (AB-HK)

10872.3 MX Mode: CW Date/time: 4-9-2010, 1930 UTC  
Beacon "M" Magadan Contr: (FBA)

10872.3 MX Mode: CW Date/time: 11-9-2010, 0628 UTC  
Beacon "K" Petropavlovsk Contr: (AB-HK)

10872.4 MX Mode: CW Date/time: 4-9-2010, 1930 UTC  
Beacon "K" Petropavlovsk Contr: (FBA)

10872.4 MX Mode: CW Date/time: 24-9-2010, 0903 UTC  
Beacon "M" Magadan Contr: (AB-HK)

10956 XPA Mode: AM Date/time: Fri 3-9-2010, 0620 UTC  
msg Contr: (HFD)

11040 S06 Mode: AM Date/time: Wed 1-9-2010, 0850 UTC  
328 Contr: (HFD)

11062 E07 Mode: AM Date/time: Sun 5-9-2010, 1720 UTC  
201:0 Contr: (HFD)

11162.5 M42 Mode: CROWD-36 Date/time: 1-9-2010, 1847 UTC  
Russian Gov/Intel. Contr: (BCI)  
11435.0 SK01 Mode: AM Date/time: Sat 11-9-2010, 0600 UTC  
RDFT no decode Contr: (BS3)  
11438.5 M42 Mode: CROWD-36 Date/time: 6-9-2010, 1543 UTC  
Russian Gov/Intel. Contr: (BCI)  
11445 M31 Mode: CW Date/time: 19-7-2010, 0813 UTC  
FDI22 - FAF Narbonne. VVV VVV VVV DE FDI22 FDI22 FDI22 AR Contr: (BCI)  
11445 M31 Mode: CW Date/time: 20-7-2010, 1314 UTC  
FDI22 - FAF Narbonne. VVV VVV VVV DE FDI22 FDI22 FDI22 AR Contr: (MPJ)  
11445 M31 Mode: CW Date/time: 21-7-2010, 2014 UTC  
FDI22 - FAF Narbonne. VVV VVV VVV DE FDI22 FDI22 FDI22 AR Contr: (PPA)  
11460 S06 Mode: AM Date/time: Mon 6-9-2010, 1210 UTC  
831 Contr: (HFD)  
11515 S06 Mode: AM Date/time: Thu 2-9-2010, 1010 UTC  
895 Contr: (HFD)  
11515 S06 Mode: AM Date/time: Thu 9-9-2010, 1010 UTC  
895 Contr: (HFD)  
11565.0 M08a Mode: CW Date/time: Wed 1-9-2010, 0400 UTC  
5f cut nums: 80172 13152 84302 Weak sig. QRM Contr: (westli)  
11635 S06 Mode: AM Date/time: Tue 7-9-2010, 0800 UTC  
352-417/6=11527 Contr: (HFD)  
11981.3 XUP Mode: Pulse Date/time: 17-9-2010, 1736 UTC  
pulse rate 43.75ms Contr: (MCO)  
12082 M12 Mode: CW Date/time: Fri 3-9-2010, 1920 UTC  
503:0 Contr: (HFD)  
12082 M12 Mode: CW Date/time: 9-9-2010, 1920 UTC  
503 1 538 99 18673 Contr: (FN)  
12108 E07 Mode: AM Date/time: Mon 13-9-2010, 1900 UTC  
172:0 BC CW RM Contr: (HFD)  
12134.0 M08a Mode: CW Date/time: Wed 1-9-2010, 1400 UTC  
5f cut nums: 20702 81612 60581 VG sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Mon 6-9-2010, 1400 UTC  
5f cut nums: 26482 74541 68261 VG sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Thu 9-9-2010, 1400 UTC  
5f cut nums: ..... VG sig. Up late IP. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Mon 13-9-2010, 1400 UTC  
5f cut nums: 48502 47472 67752 Good sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Thu 16-9-2010, 1400 UTC  
47242 15632 36812 VG sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Mon 20-9-2010, 1400 UTC  
5f cut nums: 37352 22211 70211 Good sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Thu 23-9-2010, 1400 UTC  
5f cut nums: 14481 67751 66451 VG sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Mon 27-9-2010, 1400 UTC  
5f cut nums: 40342 50171 01382 Weak sig. Contr: (westli)  
12134.0 M08a Mode: CW Date/time: Thu 30-9-2010, 1400 UTC  
5f cut nums: 12862 14481 65502 Good sig. Contr: (westli)  
12137 M12 Mode: CW Date/time: 5-9-2010, 1830 UTC  
189 1 656 111 19283 5FGs Contr: (FN)  
12137 M12 Mode: CW Date/time: 26-9-2010, 1837 UTC  
000 000 Contr: (JPL-SVK)  
12156 XPA Mode: AM Date/time: Fri 3-9-2010, 0640 UTC  
msg Contr: (HFD)  
12170 S06 Mode: AM Date/time: Wed 15-9-2010, 0540 UTC  
153 Contr: (HFD)  
12180.0 M08a Mode: CW Date/time: Thu 16-9-2010, 1900 UTC  
5f cut nums: 02732 31701 38121 Very weak sig. Contr: (westli)  
12180.0 V02 Mode: AM Date/time: Thu 30-9-2010, 1900 UTC  
SSYL atencion: ..... Very weak sig. callups too weak.  
Contr: (westli)  
12210 E06 Mode: AM Date/time: Thu 16-9-2010, 0500 UTC  
354-802/79=49355 Contr: (HFD)  
12214.0 M08a Mode: CW Date/time: Fri 10-9-2010, 1300 UTC  
In TFC Contr: (BS3)  
12215 X06 Mode: AM Date/time: 9-9-2010, 1015 UTC  
Mazielka. Sequence: 361245 Contr: (XSH)  
12223 E07 Mode: AM Date/time: Sun 5-9-2010, 1700 UTC  
201:0 Contr: (HFD)  
12224 X06 Mode: AM Date/time: 15-9-2010, 1604 UTC  
Mazielka. Sequence: 463125 Contr: (HS2)

12224 X06 Mode: AM Date/time: 16-9-2010, 1319 UTC  
Mazielka. Sequence: 463125 Contr: (Dan)  
12560 S06 Mode: AM Date/time: Thu 9-9-2010, 1200 UTC  
425 Contr: (HFD)  
12930 E17 Mode: USB Date/time: Thu 2-9-2010, 0810 UTC  
674 Contr: (HFD)  
12952 S06 Mode: AM Date/time: Thu 9-9-2010, 0900 UTC  
167 Contr: (HFD)  
13065 S06 Mode: AM Date/time: Thu 9-9-2010, 1210 UTC  
425 Contr: (HFD)  
13365 S06 Mode: AM Date/time: Wed 1-9-2010, 1000 UTC  
729 Contr: (HFD)  
13365 S06 Mode: AM Date/time: 22-9-2010, 1000 UTC  
729 481 5 25710 54825 23130 54820 28937 Contr: (HS2)  
13374.0 M08a Mode: CW Date/time: Fri 10-9-2010, 1400 UTC  
In TFC Contr: (BS3)  
13375.0 M08a Mode: CW Date/time: Fri 3-9-2010, 1400 UTC  
5f cut nums: 88871 145.. 65722 Weak sig. Contr: (westli)  
13379.0 V02 Mode: AM Date/time: Tue 7-9-2010, 2000 UTC  
Contr: (BD2)  
13380.0 V02 Mode: AM Date/time: Thu 9-9-2010, 2000 UTC  
SSYL atencion: 32031 81371 57521 Good sig. heavy QRM. Contr: (westli)  
13517 X06 Mode: AM Date/time: 24-9-2010, 1325 UTC  
Mazielka. Sequence: 463125 Contr: (Dan)  
13527.7 MX Mode: CW Date/time: 1-9-2010, 1306 UTC  
Beacon "S" Severomorsk Contr: (norave)  
13527.7 MX Mode: CW Date/time: 12-9-2010, 1728 UTC  
D sevastopol Contr: (ML4)  
13527.7 MX Mode: CW Date/time: 19-9-2010, 1246 UTC  
D: UKR Sevastopol Contr: (VL)  
13527.8 MX Mode: CW Date/time: 19-9-2010, 1246 UTC  
P: RUS Kaliningrad Contr: (VL)  
13527.9 MX Mode: CW Date/time: 19-9-2010, 1246 UTC  
S: RUS Severomorsk Contr: (VL)  
13528 MX Mode: CW Date/time: 1-9-2010, 1306 UTC  
Beacon "C" Moscow Contr: (norave)  
13528 MX Mode: CW Date/time: 19-9-2010, 1250 UTC  
C: RUS Moscow Contr: (VL)  
13528.1 MX Mode: CW Date/time: 1-9-2010, 1306 UTC  
Beacon "A" Astrakhan Contr: (norave)  
13528.1 MX Mode: CW Date/time: 12-9-2010, 1731 UTC  
A Astrakhan Contr: (ML4)  
13528.1 MX Mode: CW Date/time: 19-9-2010, 1251 UTC  
A: RUS Astrakhan Contr: (VL)  
13528.2 MX Mode: CW Date/time: 11-9-2010, 0628 UTC  
Beacon "F" Vladivostok Contr: (AB-HK)  
13528.2 MX Mode: CW Date/time: 19-9-2010, 1252 UTC  
F: RUS Vladivostok Contr: (VL)  
13528.2 MX Mode: CW Date/time: 24-9-2010, 0903 UTC  
Beacon "F" Vladivostok Contr: (AB-HK)  
13528.3 MX Mode: CW Date/time: 11-9-2010, 0628 UTC  
Beacon "K" Petropavlovsk Contr: (AB-HK)  
13528.4 MX Mode: CW Date/time: 11-9-2010, 0628 UTC  
Beacon "M" Magadan Contr: (AB-HK)  
13528.4 MX Mode: CW Date/time: 24-9-2010, 0903 UTC  
Beacon "M" Magadan Contr: (AB-HK)  
13565 S06 Mode: AM Date/time: Thu 9-9-2010, 0910 UTC  
167 Contr: (HFD)  
13582 M12 Mode: CW Date/time: Fri 3-9-2010, 1900 UTC  
503:0 Contr: (HFD)  
13881.3 XUP Mode: Pulse Date/time: 17-9-2010, 1735 UTC  
pulse rate 43.75ms Contr: (MCO)  
13945 M12 Mode: CW Date/time: 22-9-2010, 1106 UTC  
215 (R5) 35 35 140 140 = and 5FGsx2 Contr: (MCO)  
14260 E17 Mode: USB Date/time: Thu 2-9-2010, 0800 UTC  
674-831/5=05440 Contr: (HFD)  
14505 S06 Mode: AM Date/time: Wed 1-9-2010, 1010 UTC  
729 Contr: (HFD)  
14505 S06 Mode: AM Date/time: 22-9-2010, 1010 UTC  
729 481 5 25710 54825 23130 54820 28937 Contr: (HS2)  
14585 M31 Mode: Baudot 50/400 Date/time: 22-2-2010, 1120 UTC

FDI22 - FAF Narbonne. RY+TEST "VOYEZ LE BRICK GEANT QUE JEXAMINE  
PRES DU GRAND WHARF 0123456789" Contr: (BCI)

14668.5 M51 Mode: CW Date/time: 7-9-2010, 1049 UTC  
"NR 86 S 07 12:55:27 1982 BT EIZVG NRGYF IFWOF" Contr: (BCI)

15915 E11 Mode: AM Date/time: 15-9-2010, 1128 UTC  
YL/EE 718/00 Contr: (MCO)

16158 M42 Mode: RUS-ARQ 100/1000 Date/time: 7-9-2010, 0814 UTC  
Russian Gov/Intel. Contr: (BCI)

16170 M42 Mode: CROWD-36 Date/time: 7-9-2010, 0830 UTC  
Russian Gov/Intel. After false start into callup. Contr: (Imp)

16331.7 MX Mode: CW Date/time: 1-9-2010, 1305 UTC  
Beacon "D" Sevastopol Contr: (norave)

16331.7 MX Mode: CW Date/time: 8-9-2010, 1249 UTC  
Beacon "D" Sevastopol Contr: (norave)

16331.7 MX Mode: CW Date/time: 29-9-2010, 0830 UTC  
RUS propagation beacon D Contr: (Imp)

16331.9 MX Mode: CW Date/time: 1-9-2010, 1305 UTC  
Beacon "S" Severomorsk Contr: (norave)

16332.1 MX Mode: CW Date/time: 29-9-2010, 0830 UTC  
RUS propagation beacon A Contr: (Imp)

16332.4 MX Mode: CW Date/time: 11-9-2010, 0628 UTC  
Beacon "M" Magadan Contr: (AB-HK)

18452 M42 Mode: CROWD36 Date/time: 30-9-2010, 0759 UTC  
Russian Gov/Intel. Contr: (TriK)

20047.7 MX Mode: CW Date/time: 19-9-2010, 1243 UTC  
D: UKR Sevastopol Contr: (VL)

20047.9 MX Mode: CW Date/time: 19-9-2010, 1243 UTC  
S: RUS Severomorsk Contr: (VL)

20048 MX Mode: CW Date/time: 19-9-2010, 1243 UTC  
C: RUS Moscow Contr: (VL)

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AB-AUS Ary Boender via GlobalTuners Australia  
AB-HK Ary Boender via GlobalTuners Hong Kong  
AB-RUS Ary Boender via relay in N. Russia  
AB-uvbrep Ary Boender via uvb76repeater at <http://uvb-76.blogspot.com>  
Ahmad Ahmad, Kuwait  
ALF Alf, Germany  
AnNYC Anonymous, New York City  
ASNZ A. Smith, New Zealand  
BCA Brandon, CA, USA  
BCI Bruno Casula, Italy  
BD2 BigD, East Coast, USA  
BS3 Barry Sandefer, TN, USA  
BvR Bert van Rij, Netherlands  
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ETN Ender, TN, USA  
FBA F4LKC Franck, France  
FN Fritz Nusser, Switzerland  
HFD Hans-Friedrich Dumrese, Germany  
HS Hugh Stegman, USA  
HS2 Hans Snekvik, W. Europe  
IARUMS IARU Monitoring Service  
Ico Ico, Croatia  
Imp Impaler  
IP-SE Ivellios Paranormali, Sweden (remote)  
JPL-AUS JPL via DX Tuner, Logan, Australia



JPL-AUT	JPL via GlobalTuners Austria
JPL-D	JPL via GlobalTuners Germany
JPL-SVK	JPL via GlobalTuners Slovakia
KC2TTK	KC2TTK, USA
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TH2	Tom H, NC, USA
Token	T!, CA, USA
Trik	Triker1, USA
VL	Vincent Lecler, France
W1GFD	W1GFD, Maine, USA
Westli	Westli, CA, USA
WP3	Wolfgang Palmberger
XSH	X06 Shadow

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- Utility DXers Forum (utility and spooks related logs).  
Go to <http://groups.yahoo.com/group/udxf/> and follow the instructions.  
Website: <http://www.udxf.nl/>
- Spooks (spooks related info and logs)  
Go to the web interface to subscribe, fill in the form and follow the instructions that will be mailed to you. <http://mailman.qth.net/mailman/listinfo/spooks>