

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
876	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
841	82787	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 #158, November 2010

Editor: Ary Boender email: ary@luna.nl

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>

Welcome to the 158th edition of Numbers & Oddities. Unlike the past two months there is very little news of S28. I heard two messages myself and received only a couple of logs from listeners in and near Russia. Did the station really transmit that little or did we miss all the fun?

I found a nice gadget on the internet the other day. It's NUMBERS BINGO!!! Brilliant ☺ Check <http://kevan.org/bingo.php>



Christie's auction highlight

'ENIGMA' -- Cipher Machine. A three-rotor Enigma machine, number A-9457, with electric core, three aluminium rotors each stamped WaA618, raised 'QWERTZ' keyboard with crackle black painted metal case (some restoration), three division window flap over rotors and plugboard in the front with ten patch leads, with metal label 'Chiffriermaschinen Gesellschaft Heimsoeth und Rinke, Berlin W.35 Ludendorffstraße 6' on the inside of the lid, circa 1939. Modern power supply. 260 x 320 x 140mm.

Christie's sold this item for £67,250 Wow!!!

VOICE STATIONS

E07



Like G06, E06 could also been heard on 4836 kHz. Mike copied the station at 2030Utc, 18/11 with the following callup and message: "321 456 15 34276 68594 45382 34768 56749 45693 37297 48794 36581 48753 27168 56493 25489 45632 29871 456 15 00000"

E10 - Israeli Intelligence



As I mentioned before, E10 has dramatically reduced the number of broadcasts in the past year. It is time for an update.

ABC, HNC have been heard once or twice in 2010 and ART, EZI, PCD, ULX and YHF still have several active slots but stations like CIO, FDU, KPA, MIW, SYN, TMS and VLB were off the air during 2010. So far we have not found out what has happened.

If you want to look for their transmissions, although irregular, try the following frequencies and times and please, let us know what you hear. Note that the start times are usually two minutes later these days.

ART: 3415, 5435 kHz.

Times: 0030, 0200, 1600, 1700, 1900, 2200 UTC.

EZI: 6840, 7690, 9130, 13533, 15980 kHz.

Times: 0100, 0330, 0430, 0530, 0630, 1230, 1300, 1430, 1800, 2030, 2230 UTC.

PCD: 3150, 4270, 5170, 6498 kHz.

Times: 0300, 1400, 1430, 1500, 1800 1830, 1930, 2030, 2100, 2130, 2330 UTC.

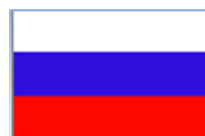
ULX: 3270, 4880, 6270 kHz.

Times: 0930, 1530, 1730, 2000, 2130, 2300 UTC.

YHF: 4560, 5820, 7918, 9202, 10648 kHz.

Times: 0000, 0130, 0230, 0430, 0700, 1200, 1230, 1330, 1400, 1930 UTC.

G06



Mike has copied G06 on 4836 kHz at 1930 UTC, 18-11 with a ten-count, just like last month: "123456789". Repeated to 1940 UTC.

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



МДЖБ МДЖБ 68 832 ПРИРОДА 15 76 95 38

Unlike the past two months there is very little news of S28. Only six messages were reported in November amongst them a 30 minutes long telephone call. I doubt that they intended to air this. The buzzer itself was off at various times.

Frequency: 4625 kHz USB

06-11 0225 UTC The Buzzer.

06-11 1500 UTC Message. Male voice.

08-11 1800 UTC Message. Female voice.
МДЖБ 6711 6021 УРОВЕНЬ 61.. 7228
MDZhB 6711 6021 UROVENYI 61.. 7228

10-11 1257 UTC Message. Male voice.
МДЖБ 20 169 ПРОЛАЗНИК 85 02 52 76
MDZhB 20 169 PROLAZNIK 85 02 52 76

10-11 1319 UTC Message. Male voice.
МДЖБ МДЖБ 14 676 АРХИПЕЛАГ 94 69 23 40
MDZhB MDZhB 14 676 ARHIPELAG 94 69 23 40

11-11 1400 UTC Telephone call. Ca. 30 minutes on the air. Russian voices with the buzzer very weak in the background. "Судак" (Sudak) and "Вулкан" (Vulkan) were mentioned. Vulkan is St. Petersburg. At 1430 UTC the connection was switched off and the buzzer reappeared. *)

18-11 1350 UTC Message. Male voice.
МДЖБ 79 373 Кряжистый 26 54 09 83
MDZhB 79 373 Kryazhisty 26 54 09 83

*) The callsigns mentioned in the calls are part of a strategic network. I don't know what stations are still alive these days. During the Soviet days the network included amongst others the following stations:

Пролив, Рубин, Анкер, Газостойкий, Кубик, Искра, Судак, Вулкан

Proliv (Strategic Rocket Forces HQ, Moscow), Rubin (Hub of the General Staff, Moscow), Anker, Gazostoiki, Kubik, Iskra (69th node communications link, Moscow), Sudak, Vulkan (St. Petersburg)

On request I have included a list of historic messages derived from Jan Machalski's former UVB-76 websites.

Date	UTC	Message
25-12-1997	0102	18008 Бромал 7427 9914 18008 Bromal 7427 9914
24-12-2000	1230	74148 АНТИМОНАТ 2637 0931 74148 Antimonat 2637 0931
24-12-2000	1245	6121 АНТИМОНАТ 2637 0931 6121 Antimonat 2637 0931
03-11-2001	1040 - 1120	Long pauses (no modulation), "buzzer" with strong background noise, multiple insertions of 1000 Hz tone, and conversation: [male voice, in Russian] "Ya - 143. Nepochayuyu generatora"; [female voice] "Idyot takaya"

		rabota ot apparatnoy". ("I'm 143rd. I don't receive the oscillator"; "That's what the 'Apparatnaya' is sending").
01-12-2002	1051	01213 Скиф 3887 2395 01213 Skif 3887 2395
06-12-2002	0703	28138 Кариама 7756 0151 Агградация 0551 5597 Глашатель 7678 5508 28138 Kariama 7756 0151 Aggradatsiya 0551 5597 Glashatel' 7678 5508
09-12-2002	0718	62691 Изафет 3693 8270 62691 Izafet 3693 8270
20-12-2002	1843	45359 Делмезон 3749 6335 45359 Delmazon 3749 6335
15-01-2003	0855	79992 Бонгу 9923 7768 Бронщик 7117 5770 79992 Bongu 9923 7768 Bronshchik 7117 5770
15-01-2003	1530	03517 Камасит 8668 8886 03517 Kamasit 8668 8886
16-01-2003	1700	90824 Кролист 5326 6256 90824 Krolist 5326 6256
16-01-2003	1756	73858 Подшефный 8691 0374 73858 Podshefnyĭ 8691 0374
17-01-2003	0900	93310 Биладит 8081 8449 93310 Biladit 8081 8449
17-01-2003	1402	98042 Вяление 3620 0983 98042 Vyalenie 3620 0983
21-01-2003	0952	80516 Ганоматит 2123 8625 80516 Ganomatit 2123 8625
24-01-2003	1725	07526 Раздвижной 1847 2796 07526 Razdvizhnoĭ 1847 2796
30-01-2003	0804	01851 Азотин 1889 2402 01851 Azotin 1889 2402
30-01-2003	1757	57084 Инициаль 7616 5679 57084 Initsial' 7616 5679
07-02-2003	0903	15286 Англез 5109 9829 Бушмар 8989 5579 Номинация 7497 1656 15286 Anglez 5109 9829 Bushmar 8989 5579 Nominatsiya 7497 1656
07-02-2003	0934	85596 Класа 8100 0291 85596 Klasa 8100 0291
11-02-2003	1758	12733 Единение 6779 6632 12733 Yedinenie 6779 6632
01-03-2003	1030	60130 Ватрух 5889 5454 60130 Vatruh 5889 5454
21-03-2003	1028	95695 Трезвенник 1624 5427 Твораин 1624 0230 95695 Trezvennik 1624 5427 Tvorain 1624 0230
24-03-2003	0651	01705 Брамирка 1849 7039 01705 Bramirka 1849 7039

S21

3323 kHz, 1843 UTC, 2 Nov. Logged by Mike

14433 19274 84854 33599 92013 57011 10883 31658 74516 13674
07760 65829 54019 33304 57251 19614 11540 81264 46650 08589
12142 37538 97219 10802 76749 16511 42994 74674 31367 16329
71576 67990
361/32
000

V21 – Cuban Babbler

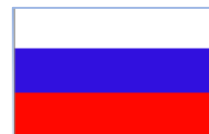


5688 kHz, 1734 UTC, 24-11, Cuban Babbler

I copied the station after a tip via GlobalTuners Florida. The station is not often reported these days. It's most active frequency is 6529 kHz.

MORSE STATIONS

MX - Russian Military beacons



Reported beacons and channel markers.

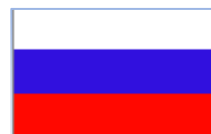
European Cluster Beacons: D, S, C, A

Asian Cluster Beacons: F, K, M

Channel markers: R

M21& M41

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



M21: Id "0": 4951.5, 5201, 5752, 5873, 7558.5 kHz
Id "8": 4032, 4574 kHz
Id "9": 6222 kHz

M41: 5402.5 kHz, 0540 UTC, 22-11: "5EQB 5EQB 5EQB (...) 5EQB",
s/off.

M22



4XZ, Israeli Navy Haifa is still active with Morse transmissions on 3 frequencies; 2680, 4331 and 6379 kHz with VVV-markers and coded messages.

M31



7591.5 kHz, 0937 UTC, 26-11: French Air Force Narbonne. "VVV DE FDI22"

M89 – Chinese military



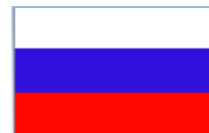
VVV Q2M Q2M Q2M DE NYZ NYZ	4860, 6840 kHz
V MB3R MB3R MB3R DE YA6X YA6X	4368, 6688
V QPZM QPZM QPZM DE WOXN WOXN	3327, 4523
V JA3L JA3L JA3L DE UN2T UN2T	4532
V 7NPE 7NPE 7NPE DE QV5B QV5B	4225, 5500
V DKG6 DKG6 DKG6 de 3A7D 3A7D	7602
V GKVZ GKVZ GKVZ DE Q7NW Q7NW *)	3297

*) also copied:

"V GKVZ GKVZ GKVZ DE Q7NW Q7NW = comm = 49839/65078/12004 117/018" ar

VARIOUS MODES

M42 & X06



Russian Government / Intelligence

7829.0	0631	25-10	Russian Gov/Intel: ROK23. Mode: RUS-ARQ 100/500
12209.0	1025	29-10	Russian Gov/Intel. Mode: Baudot 200/500. "00000+++++++162)5761 00000+++++++162)5761"
8105.0	1643	02-11	Russian Gov/Intel. Mode: Baudot 200/500. "00000+++++++162)5761 00000+++++++162)5761"
5785.0	0505	03-11	Russian Gov/Intel. Bursts. Duplex circuit traffic. Mode: RUS-ARQ 100/500
16107.5	1239	05-11	Russian Gov/Intel. In progress. Mode: CROWD36
10804.5	1453	09-11	Russian Gov/Intel. Mode: CROWD36
8169.0	1746	10-11	Russian Gov/Intel. Mode: Baudot 200/500 "71062953636105530 =8628"
6977.0	1806	10-11	Russian Gov/Intel. Mode: Baudot 200/500. "846396239175995127 84510 702851055326324146 80411"

7590.0	0655	11-11	Russian Gov/Intel. Mode: RUS-ARQ 100/140
13474.5	0754	11-11	Russian Gov/Intel. Mode: CROWD36
13459.5	0805	11-11	Russian Gov/Intel. Mode: CROWD36
7705.5	1806	11-11	Russian Gov/Intel. Mode: CROWD36
13499.5	0808	11-11	Russian Gov/Intel. Mode: RUS-ARQ 100/140
13909.5	0812	11-11	Russian Gov/Intel. Mode: RUS-ARQ 100/140
6808.5	1634	11-11	Russian Gov/Intel. Mode: CROWD36
8180.5	1645	11-11	Russian Gov/Intel. Mode: CROWD36
10271.0	1016	12-11	Russian Gov/Intel. "00000+++++++162)5761 00000+++++++16205711". Mode: Baudot 200/500
12195.5	0917	12-11	Russian Gov/Intel. Mode: CROWD36
10934.75	0918	12-11	Russian Gov/Intel. Mode: RUS-ARQ 100/140
10415.5	0941	12-11	Russian Gov/Intel. Mode: CROWD36
14432.0	1037	12-11	Russian Gov/Intel. "00000+++++++162)5761 00000+++++++162)5761" Mode: Baudot 200/500
23000.0	0900	12-11	Russian Gov/Intel. Mode: RUS-ARQ 100/140
14630.5	1436	15-11	Russian Gov/Intel. Mode: CROWD36
10171.35	0615	16-11	Russian Gov/Intel. Mode: RUS-ARQ 100/1500/2CH
8121.0	0750	16-11	Russian Gov/Intel. Mode: Baudot 50/500 "10111 90539 62670 71989"
4850.0	0510	18-11	Russian Gov/Intel. Mode: RUS-ARQ 100/500
4850.0	0524	18-11	RBI: Russian Gov/Intel. Mode: CW "CQ CQ DE RBI RBI QRU AS SL"
5185.0	0546	19-11	Russian Gov/Intel. RBW near Penza wkg Moscow on 5325 kHz. Mode: RUS-ARQ/100/500
5325.0	0549	19-11	Russian Gov/Intel. RND79 in Moscow wkg RBW on 5185 kHz. Mode: RUS-ARQ/100/500
18149.5	0725	19-11	Russian Gov/Intel. Mode: RUS-ARQ 100/
9128.0	1301	20-11	Mazielka. Sequence: 164253
20118.0	0606	23-11	Russian Gov/Intel. Mode: Baudot 200/500 "702116285609399148=8542 423335120256990148=8383"
10217.0	0905	24-11	RUU71: Russian Gov/Intel. Mode: RUS-ARQ 100/500
17462.0	0824	25-11	Russian Gov/Intel. Mode: Baudot 200/500 "8932788530/392760 =8892 519326147736216145=8593"
15750.5	0903	25-11	Russian Gov/Intel. Mode: CROWD36
4636.0	2056	25-11	Russian Gov/Intel. Mode: MFSK-16 7.49Bd
9442.5	1722	26-11	Russian Gov/Intel. Mode: CROWD36
12224.0	0617	30-11	Mazielka

OLO32

Bezpečnostní informační služba Security Information Service



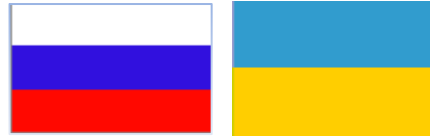
Logs:

4784.35	0511 UTC, 25-10
5102.35	1751 UTC, 05-11
4060.35	1708 UTC, 10-11
6822.35	1638 UTC, 11-11
6946.35	1644 UTC, 15-11
4486.35	1845 UTC, 16-11
6946.36	1507 UTC, 23-11

MILITARY STATIONS

M32

Russian/CIS/Ukrainian Military SSB & CW Stations



- 2216.0 CIS Mil: "DE YXHP QYT1 QSW3"
- 2654.0 Ukrainian(?) Mil. "XBMD de 6L6X ZRN ZGZ K ZDE ZTO" followed by QTC: "6L6X 041 85 2 2310 041 = 255 5__ 842 = RSQLA TAVIQ ... UNChQW CWUÖH PWPIÄ 518 RPT AL K". Then calls FUNR: "FUNR de 6L6X ZUO ZTT ZSD ZWW ZGO ZUO QYT1 QSW3 K".
- CIS Mil. "TMEC de QEYI ZZL ZSV K. QEYI R K"
- 3164.0 CIS Mil: DCGV radio check with GRTH.
- 3217.0 Russian Mil. ZX7Y broadcast message to BWP9: "685 23 3 0104 685 = ZPE = PPPPP ChMGIP RWWTN ... RWWTN PEPÄO 822 K" sent 3x, ending AR.
- 3293.0 Russian Mil: "NDT7 QTC 635 20 17 2306 35 = 680 ="
- 3312.0 CIS Mil: JNB3 clg AWBX. Duplex net.
- 3326.5 Russian Mil. C9F8 5FG msg to NK9L "QTR COR 2143"
- 3366.0 CIS Mil: "WN8Y DE HJS4 QXS K"
- 3500.5 Russian Navy: RCI, RCP, RJD56.
- 3804.0 CIS Mil: "Z8T8 QTC 32 445 23 1930 324 ="
- 3813.0 Russian Mil: "PZ1R QTC 865 24 7 2240 865 = ZNF 040 = 0022 2220 ...3197 0720 784 AR." LDBO clone.
- 3850.5 Russian warship RGN90 wkg RMP with OP-chat "ZKM? ZGN?", "ZBD k"
- 4023.0 Russian warship RAL59 wkg RIT with OP-chat "ZZD?".
- 4191.0 Russian Navy: RIW
- 4244.0 Russian Mil: RGG88 "VVV DE"
- 4602.0 Russian Navy. "RDL RDL RDL 22222 47750 94902 55891 55891 81286 76609 69787 20744 30468 80073 80877 55697 34343 28407 98640 43883 25054 65354 39604 24852 90562 54046 15254 08818 84785 31566 09027 k".
- 4968.0 Russian Navy Severomorsk: RIT wkg RAL68.
- 5078.0 Russian Mil: "DE CSLJ QTC 891 60 18 0850 991 = 379 ="

5083.0 Russian warship RHV42 msg to RCV.

5102.0 CIS Mil: ZSL9 simplex network radio checks with KNO7, PGVW, ZDLI ans IQTH.

5224.0 Russian Navy: RCV msg to RCIG: "RCIG de RCV QTC 747 79 2 2205 747 = SML = 28861 49158 ... 47991 02077 = AR"

RVC wkg RCIG. "rgx94 rgx94 rgx94 rcv rcv qtc 762 57 41500 762 nawip 036 2270 karta 31036 sredi".

RCV wkg RKZ. "rkz rkz rkz de rcv rcv prognoz", "rcig de rvc qsa 2 k".

5376.0 Russian Mil: C8MG clg S5PY, P4ZP, LKWV, M8AT.

5418.0 Russian Mil: "ZOWD QTC 25 23 23 2050 025 = 722 = PPPPP"

5438.0 Russian Military/"VGK General Staff Moscow"
 "RDL RDL RDL 78923 38438 78923 38438 78923 38438 k";
 "... RDL 96658 06921 ... k"

5751.0 Russian Navy: RIT wkg RAL68.

5769.0 Russian Mil. "... XXX XXX LDM4 LDM4 10590 ITELLEKT 23193962".

6435.0 Russian Mil. SQLI trying to clear msg to G8SS: "SQLI 517 40 21 1731 517 = ZDI 292 = GRIEB HUFÄD ..."

6877.0 Russian Navy: RIT.

7660.0 Russian Mil: "DE PMDR AS"

7678.0 Russian Mil: "A7EG QTC 27 14 1134 070 = 118 =" into 5LG message.

7789.0 Russian Mil: HZY9 radio check with QLN6, 8QPL.

7952.0 Russian Mil: RCY7 many messages for RAO98.

8014.0 Russian warship: RBIZ "QSL 148 K RCV DE RBIZ OK QRU K".

8192.0 Russian Air Force: "REA4 = 21120 20069 82460 82906 10054 88500 23672 89470 80605 10036 84530 = REA4 K."

8345.0 Russian war ship RGR35 signal check with Northern fleet naval radio RIT; "rit rit rit de rgr35 rgr35 qsa? K" later requesting secure duplex voice link; "rit de rgr35 qyt4 qsx 4170 qwh 103--" Even though RGR35 seems to be associated to the Baltic Fleet, the ID RGR35 has since late summer most of the time been heard in contact with Northern Fleet HQ.

Russian warship RBES ".0020 54000 70277 883// 22281 24011 BT RBES K. RBES OK QRS K"

Russian warship RGR35 msg to RIT: "QTC 986 ... =sml= for RJH74 RJH45 RJD38 RMXA RMSZ = 29091 99611 10032 44498 31208 ...k"

9145.0 Russian Navy: RIW wkg RMXV. Attempts to set up an enciphered voice link. "RIW QYT4 QSA IMI K. RMXV DE RIW QYT4 QLS K. DE RIW OK QYT4 QWH 12746 / 17024 K" (NIL HRD QYT4 ON 12746/17024)

9346.0 Russian Navy: "RDL 25375 41921 25375 41921 25375 41921 K", "U U U", followed by a 34 group 5FGs broadcast to collective RDL. "22222 78666 14054 17419 17419 04285 21322 26972 96259 36669 48281 50976 .5696 43495 22540 83740 07780 31454 21684 39976 90608 65976 58474 83741 60790 07981 19465 46292 41242 54092 04270 32904 08289 02033 K"

Russian Navy: "1110 UUU RDL 20278 54608"

11000.0 Russian Navy: RIW wkg RMXV. Attempts to set up an enciphered voice link. "RIW OK QYT4 QWH 9617/15532 K, RMXV DE RIW QYT4 QMO K" (NIL HRD QYT4 ON 9617 OR 15532)

Russian Navy: RIW clg RMEG: "RMEG DE RIW QSA 1 / NO QSV K"

Russian Navy: "RGR70 DE RIW QSA IMI K", "RGR70 DE RIW QAP K", "RIW QSU1 QWH 13086 QSX 12260 K"

Russian Navy: RIT wkg RLD69 "QYT4 QSX 15546 ok? K"

Russian Navy: RIT msg to collective callsign RLO "XXX RLO 30842 disna 9532 4016 k"

Russian Navy: RIT msg to RGR35 acknowl. wx message

11354.0 Russian Naval Air Transport: PRIBOJ NAVAIR Moscow wkg 71702 and wkg KROKET NAVAIR. "KROKET DE PRIBOJ: Take a msg from aircraft 71702 ETA Anapa 0920", "71702 DE PRIBOJ: Roger, take off Anapa 0910. ETA Kacha 1020. Furem 4800 KG." PRIBOJ passes above msg to KROKET.

Aircraft 71701 clg PRIBOJ for information transfer about flight from Sochi to Eysk.

Brazhka: Unid Russian naval aero control station calling unid station "Teknik"

Novator: Northern Sector Control (Naval Air logistics) Murmansk Priboj Central Sector Control (Naval Air logistics) Moscow, both parties heard with excellent clarity.

12464.0 Russian Navy: RLD69 msg to RIT.

14411.0 Russian Mil: "XXX RDL 30903 53134 PRIKAZ 4690 4186 K." Then "XXX" and T-600 traffic.

11468.0 Russian High Command 5FG msg to collective recipient RDL; "rdl 62792 931t1 k"

14411.0 General Staff Moscow VGK: "XXX RDL 05688 30842 disna 9532 4016 k"

14440.0 Russian Mil: QKZG 5LG message to YT67 after "9T1 26 31 11T4 9T1
= 291 = PPPPP"

17460.0 Russian Navy: RDL

18107.0 Russian Mil: "RDL 47071 84181 k", "XXX RDL 31340 47145
Epitalama 5622 ...", "RDL 78968 38514 k", "RDL 47757 19526 k"

18073.0 Russian Navy: RJS, RJE56, RJE57, RJE67, RJD97. "VVV RJS DE
RJE56 QSA?", "RJE56 DE RJE67 QSA? K"

19210.0 Russian Navy: "XXX XXK RDL RDL 52040 288 PADAS 0760 5474 XXX
XXX RDL RDL 52040 2?86? PADAS 0760 5474 K"

UTILITY ROUND-UP

Polish Pip



The Polish pip is a daily guest on 1812 kHz.

Unid "04C"

Lupo Albert copied "04C" on 3-11 at 2040 UTC with continuous marker "04C".
The station transmits daily on 3276 kHz. Ideas anyone?

Unid air defense net

Frequencies: 3336, 3948, 5435 kHz

Cut numbers: AU34567DNT = 1234567890

Traffic: 10-counts and tracking(?) results

This is possibly a Chinese Air Defense station or a station in a country
that uses Chinese Air Defense technology, like North Korea. Heard
throughout the month at various times.

AU34567DNT T63A

AU34567DNT T63U

AU34567DNT T633

AU34567DNT T634

AU34567DNT T635

AU34567DNT T636

AU34567DNT T637

AU34567DNT T63D

AU34567DNT T63N

AU34567DNT T64T

JPL copied an this station on 3336 kHz on
5-11 at 2231 UTC. It transmits a 10-count
and time string in cut numbers. The time is
UTC+8.

On 6-11 JPL found the same station sending messages at 1937 UTC on 3336 kHz. It is sending messages consisting of combinations of 4-7-4, 4-4-4 and 4-2-3 groups. The last 4 figure groups represent the time. It looks like some sort of tracking info.

```
D35.  A334NU3  T3.7
D357  A334.3.   .3.7
D357  A3344A.   T33D
D357  A3344T5   T33D
D357  A334      T33N
D357  A334.NN   T33N
D357  A334456   T33N
D357  A334546   T34T
D357  A335T7N   T34T
D357  A3357UA   T34A (Silent at 1942z)
AU34567DNT T343   (Marker)
AU34567DNT T344   (Marker)
D357   .4 5U4
D357   44 454
D357  A3357UA   T345
AU34567DNT T347   (Marker)
AU34567DNT T348   (Marker)
```

The station appeared on 3948 kHz at 1920 UTC on 21-11. Logged by Attu. This station was using 5435 kHz and 3336 kHz earlier this month. It changes frequency often.

Also found by Greg on 3336 kHz.

```
a4t3 647t32u a3
a4tu ..7t553 a3
a53u 4764d64 a3
a4t3 637tu57 a4
a4tu 6u7t453 a4
a534 47646.3 a4
a4.3 637t35u a5
a4tu 6u7ada3 a5
a534 4d6au46 a5
a4t3 6u7t553 a6
a4tu 7a7t553 a7
a534 4d644d3 a7
a4t3 6u7t533 a7
a5.4 4d64535 ad
a..3 6u734.. ut
```

```
5643 unn34d3 57
5643 unn34d4 57
5643 unn34d5 57
5643 unn3473 57
5643 unn3475 5d
5643 unn34ua 5d
5643 unn35ud 5d
5643 unn35ud 5d
5643 unn35nn 5d
5643 unn35aa 5d
```

and on 3948 kHz, drifting to 3947 kHz, 1830 UTC, 25-11.

```
a534 5t635a4 35
a535 5u53663 36
a534 5a63343 36
a535 5353d34 3d
a534 5a64dn4 3d
```

Thanks to JPL, Attu and Greg for their input

Unid MWKJ

JPL also reports unid callsign "MWKJ" on 3343 kHz.

The station and country are still unidentified. It was first logged in Jan 2009 and has a fixed schedule: it sends the MWKJ marker between H+20-30 and H+50-00. Sometimes short hand keyed messages have been noted. Format "= 39 98 42 ="

Older frequencies include 3646 kHz.

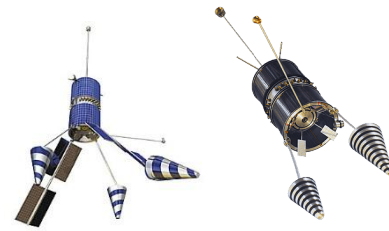
GONETS, STRELA-3 & PARUS SATELLITES

Гонец, Gonets, "Messenger"

Кóсмос, Kosmos, "Cosmos"

Стрела-3, Strela-3, "Arrow"

Парус, Parus, "Sail"



After 1994 Strela-3 (Russian for "Arrow") replaced the Strela-1 and Strela-2 spacecraft. The satellites, initially developed for the Russian GRU and known as "COSMOS nnnn", are used for store and relay messages. The spacecraft records communication messages as it passes the sender and transmits it to the addressee when it overflies the receiving ground stations. Gonets is the commercial variant of the military Strela-3 satellites.

The Parus satellites are operated by the Russian Space Forces, and are used primarily for navigation, store-dump communication, and to relay data from US-P satellites.

Three Russian communication satellites, two Strela-3 military satellites and a Gonets-M commercial communication satellite, were launched on 8 September 2010 from Plesetsk by a Rokot launcher. At the time of writing NORAD has not yet assigned the names to the satellites.

Catalog #37152 "Object A" Freq: 388.6875 MHz
Catalog #37153 "Object B" Freq: 244.5125 and 261.035 MHz.
Catalog #37154 "Object C" Freq: 388.6875 MHz

I have heard Objects A and C on 388.6875 MHz and Object B on 244.5125 MHz with a message signal that is transmitted every 60 seconds. Stored messages are transmitted at 261.035 MHz but so far no messages have been reported.

I have also checked quite a lot passes of the older Gonets and Strela-3 satellites. I have not been able to copy them all. Usually you can hear the message signal when it passes. Note that the satellite is silent when it is receiving data messages from the ground. So, not hearing it is not by definition a sign that it is out of order.

Gonets satellites:

Gonets D1-1	Catalog #23787	x
Gonets D1-2	Catalog #23788	x
Gonets D1-3	Catalog #23789	Freq: 245.1570 MHz
Gonets D1-4	Catalog #24728	x
Gonets D1-5	Catalog #24729	Freq: 245.1570 MHz
Gonets D1-6	Catalog #24730	Freq: 245.1570 MHz
Gonets D1-7	Catalog #27058	x
Cosmos 2386*)	Catalog #27057	Freq: 245.1570 and 262.9125 MHz
Gonets D1-9	Catalog #27060	x

*) There was a NORAD name mix-up. This is Gonets D1-8.

Strela-3 satellites:

Cosmos 2452	Catalog #35499	Freq: 388.6875 MHz
Cosmos 2391	Catalog #27465	Freq: 244.5125 MHz
Cosmos 2451	Catalog #35498	Freq: 244.5125 MHz
Cosmos 2453	Catalog #35500	Freq: 244.5125 MHz

Parus satellites:

Cosmos 2463	Catalog #36519	Freq: 149.94 MHz, RTTY
Cosmos 2454	Catalog #35635	Freq: 149.94 MHz, RTTY
Cosmos 2429	Catalog #32052	Freq: 150.03 MHz, RTTY
Cosmos 2407	Catalog #28380	Freq: 149.97 MHz, RTTY
Cosmos 2414	Catalog #28251	Freq: 149.97 MHz, RTTY

LOGS SECTION

1812	---	Mode: CW Date/time: 10-11-2010, 1935 UTC Polish Pip Contr: (AB)
2405	M01b	Mode: CW Date/time: Fri 5-11-2010, 2110 UTC 610 //3180 Contr: (HFD)
2405	M01b	Mode: CW Date/time: 12-11-2010, 2110 UTC 610 497 39 == 50139 //3180 kHz Contr: (FN)
2405	M01b	Mode: CW Date/time: 19-11-2010, 2109 UTC 610 497 39 == 50139 3180//2405 Contr: (FN)
2427	M01b	Mode: CW Date/time: 15-11-2010, 2015 UTC 375 497 39 == 50139 //3205 kHz Contr: (FN)
2435	M01b	Mode: CW Date/time: 15-11-2010, 1910 UTC 853 497 39 == 50139 //3520 kHz Contr: (FN)
2466	M01b	Mode: CW Date/time: 18-11-2010, 1932 UTC 910 497 39 == 50139 2466//3545 Contr: (FN)
2466	M01b	Mode: CW Date/time: 25-11-2010, 1932 UTC 910 497 39 == 50139 3545//2466 kHz Contr: (FN)
2485	M01b	Mode: CW Date/time: 18-11-2010, 2041 UTC 382 497 39 == 50139 3161//2485 Contr: (FN)
2485	M01b	Mode: CW Date/time: Thu 18-11-2010, 2042 382-497/39=50139 //3160 Contr: (HFD)
2653	M01b	Mode: CW Date/time: Fri 5-11-2010, 2002 UTC 866-497/39=50139 //3197 Contr: (HFD)
2653	M01b	Mode: CW Date/time: 12-11-2010, 2004 UTC 866 497 39 == 50139 //3197 kHz Contr: (FN)
2653	M01b	Mode: CW Date/time: 19-11-2010, 2003 UTC 866 497 39 == 50139 3197//2653 Contr: (FN)
2653	M01b	Mode: CW Date/time: 26-11-2010, 2002 UTC 866 497 39 == 50139 á2653//3197 kHz Contr: (FN)
2680	M22	Mode: CW Date/time: 16-11-2010, 2236 UTC 4XZ: Israeli Navy Haifa. vvv de 4xz Contr: (SW2)
2680	M22	Mode: CW Date/time: 23-11-2010, 1610 UTC 4XZ Israeli Navy. Contr: (norave)
2680	M22	Mode: CW Date/time: 26-11-2010, 1930 UTC 4XZ: Israel Navy Haifa mgs Contr: (BvR)
3150	E10	Mode: AM Date/time: 9-11-2010, 0302 UTC PCD gr8 Contr: (AB)
3150	E10	Mode: AM Date/time: 22-11-2010, 1930 UTC PCD G49 DQBEG Contr: (HS2)
3150.0	E10	Mode: USB Date/time: Sat 13-11-2010, 0300 UTC

		PCD Contr: (Ewok-IT)
3150.0	E10	Mode: USB Date/time: Sat 20-11-2010, 2011 UTC ULX. Strong +10dB. Contr: (SWL1409)
3150.0	E10	Mode: USB Date/time: Sun 21-11-2010, 0400 PCD with 35 alpha figure groups rptd twice weak but readable Contr: (Ewok-IT)
3150.0	E10	Mode: USB Date/time: Fri 26-11-2010, 0300 Callsign PCD (correction) Contr: (Ewok-IT)
3150.0	E10	Mode: USB Date/time: Sat 27-11-2010, 0300 UTC Callsign PCD 7 alpha groups RS 3X3 Contr: (Ewok-IT)
3150.0	E10	Mode: USB Date/time: Sat 27-11-2010, 0400 UTC Callsign PCD Contr: (Ewok-IT)
3159.0	E10	Mode: USB Date/time: Fri 26-11-2010, 0300 Contr: (Ewok-NL)
3160	M01b	Mode: CW Date/time: Thu 18-11-2010, 2042 382-497/39=50139 //2485 Contr: (HFD)
3161	M01b	Mode: CW Date/time: 18-11-2010, 2041 UTC 382 497 39 == 50139 á3161//2485 Contr: (FN)
3180	M01b	Mode: CW Date/time: Fri 5-11-2010, 2110 UTC 610 //2405 Contr: (HFD)
3180	M01b	Mode: CW Date/time: 12-11-2010, 2110 UTC 610 497 39 == 50139 //2405 kHz Contr: (FN)
3180	M01b	Mode: CW Date/time: 19-11-2010, 2109 UTC 610 497 39 == 50139 3180//2405 Contr: (FN)
3192	S06	Mode: AM Date/time: Mon 15-11-2010, 1900 UTC 349 0 Contr: (HFD)
3197	M01b	Mode: CW Date/time: Fri 5-11-2010, 2002 UTC 866-497/39=50139 //2653 Contr: (HFD)
3197	M01b	Mode: CW Date/time: 12-11-2010, 2004 UTC 866 497 39 == 50139 //2653 kHz Contr: (FN)
3197	M01b	Mode: CW Date/time: 19-11-2010, 2003 UTC 866 497 39 == 50139 3197//2653 Contr: (FN)
3197	M01b	Mode: CW Date/time: 26-11-2010, 2002 UTC 866 497 39 == 50139 2653//3197 kHz Contr: (FN)
3205	M01b	Mode: CW Date/time: Mon 1-11-2010, 2015 UTC 375 Contr: (HFD)
3205	M01b	Mode: CW Date/time: 15-11-2010, 2015 UTC 375 497 39 == 50139 //2427 kHz Contr: (FN)
3270	E10	Mode: AM Date/time: 7-11-2010, 2138 UTC in progress //4880 kHz Contr: (AB)
3270	E10	Mode: AM Date/time: 9-11-2010, 1732 UTC ULX gr41 MWUVH RZZZK HPYGV ... Contr: (AB-IT)
3270	E10	Mode: AM Date/time: 10-11-2010, 2002 UTC ULX gr12 PFSZN VPBOD IJQHD ... Contr: (AB-IT)
3270	E10	Mode: AM Date/time: 22-11-2010, 2300 UTC ULX2 //4880 Contr: (HS2)
3297	M89	Mode: CW Date/time: 5-11-2010, 2114 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 6-11-2010, 1335 UTC V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: JPL-HK)
3297	M89	Mode: CW Date/time: 8-11-2010, 1420 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (RSCA)
3297	M89	Mode: CW Date/time: 14-11-2010, 1520 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)

3297	M89	Mode: CW Date/time: 20-11-2010, 1620 UTC V GKVZ GKVZ GKVZ DE Q7NW Q7NW = comm = 49839/65078/12004 117/018 ar Contr: (AtB)
3297	M89	Mode: CW Date/time: 20-11-2010, 1709 UTC V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Sat) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 23-11-2010, 2118 UTC V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Tue) Contr: (JPL-HK)
3323	S21	Mode: USB Date/time: 2-11-2010, 1843 UTC 323 361/32 5FGs 361/32 000 Contr: (MUK)
3323	S21	Mode: USB Date/time: Tue 9-11-2010, 1842 323 Contr: (HFD)
3327	M89	Mode: CW Date/time: 6-11-2010, 1327 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Sat) (//4523) Contr: (JPL-HK)
3327	M89	Mode: CW Date/time: 14-11-2010, 1524 UTC V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)
3327	M89	Mode: CW Date/time: 20-11-2010, 1704 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Sat) //4523 Contr: (JPL-HK)
3415	E10	Mode: AM Date/time: 9-11-2010, 0202 UTC ART2 //5435 kHz Contr: (AB)
3415	E10	Mode: AM Date/time: 9-11-2010, 0202 UTC ART2 //5435 kHz Contr: (AB)
3415	E10	Mode: AM Date/time: 18-11-2010, 0030 UTC ART G97 YGPDZ Contr: (HS2)
3415	E10	Mode: AM Date/time: 22-11-2010, 2200 UTC ART2 //5435 Contr: (HS2)
3415	E10	Mode: AM Date/time: 23-11-2010, 0030 UTC ART G67 AFNIU Contr: (HS2)
3519	M01b	Mode: CW Date/time: Mon 1-11-2010, 1910 UTC 853 Contr: (HFD)
3520	M01b	Mode: CW Date/time: 15-11-2010, 1910 UTC 853 497 39 == 50139 //2435 kHz Contr: (FN)
3525	M45	Mode: CW Date/time: 16-11-2010, 1802 UTC 525 433 14 == 19284 3525//4025 kHz Contr: (FN)
3540	S06	Mode: AM Date/time: Wed 17-11-2010, 1800 UTC 471 0 Contr: (HFD)
3540	S06	Mode: AM Date/time: 17-11-2010, 1800 UTC 471 00000 Contr: (FN)
3545	M01b	Mode: CW Date/time: 18-11-2010, 1932 UTC 910 497 39 == 50139 2466//3545 Contr: (FN)
3545	M01b	Mode: CW Date/time: Thu 18-11-2010, 1932 910 ham QRM Contr: (HFD)
3545	M01b	Mode: CW Date/time: 25-11-2010, 1932 UTC 910 497 39 == 50139 á3545//2466 kHz Contr: (FN)
3593.7	MX	Mode: CW Date/time: 25-11-2010, 2124 UTC Beacon "D" Sevastopol Contr: (GOT)
3593.7	MX	Mode: CW Date/time: 25-11-2010, 2252 UTC Beacon "D" Sevastopol Contr: (OC)
3632.0	XM	Mode: USB Date/time: Mon 29-11-2010, 1926 I heard it also in LSB. Ham QRM3 at 1930z. Contr: (SWL1409)
3733	S06	Mode: AM Date/time: 27-11-2010, 1935 UTC 405 00000 Contr: (FN)

3756	S30	Mode: CW Date/time: 9-11-2010, 0202 UTC Pip Contr: (AB)
3828.9	S32	Mode: USB Date/time: 9-11-2010, 0202 UTC Squeaky Wheel Contr: (AB)
3838	S06	Mode: AM Date/time: Mon 8-11-2010, 1905 UTC 349 0 Contr: (HFD)
3838	S06	Mode: AM Date/time: Thu 11-11-2010, 1905 349 0 Contr: (HFD)
3838	S06	Mode: AM Date/time: Thu 18-11-2010, 1905 349 0 Contr: (HFD)
3838	S06	Mode: AM Date/time: 18-11-2010, 1905 UTC 349 0 0 0 0 0 Contr: (FN)
3838	S06	Mode: AM Date/time: Mon 22-11-2010, 1905 UTC 349 0 Contr: (HFD)
3838	S06	Mode: AM Date/time: 22-11-2010, 1905 UTC 349 00000 Contr: (HS2)
3838	S06	Mode: AM Date/time: Mon 29-11-2010, 1905 UTC 349 0 Contr: (HFD)
3881	M51	Mode: CW Date/time: 2-11-2010, 2009 UTC NR 70 N 02 21:09:59 1982 = GWZOK ECCOC ... Contr: (MPJ)
3972	M51	Mode: CW Date/time: Tue 30-11-2010, 0400 (i.p.) nr 04 30 05:23:19 bt ... Contr: (FMB)
4025	M45	Mode: CW Date/time: Tue 9-11-2010, 1802 UTC 525 Contr: (HFD)
4025	M45	Mode: CW Date/time: 16-11-2010, 1802 UTC 525 433 14 == 19284 3525//4025 kHz Contr: (FN)
4026	G06	Mode: AM Date/time: 3-11-2010, 1300 UTC 892 00000 Contr: (HS2)
4032	M21	Mode: CW Date/time: 17-11-2010, 1605 UTC Russian Air Defense. ID 8. Morse time strings, no tracking data Contr: (FN)
4035.0	V02a	Mode: AM Date/time: Mon 8-11-2010, 0400 UTC SSYL atencion: Very weak sig. QRM5 Contr: (westli)
4035.0	V02a	Mode: AM Date/time: Mon 29-11-2010, 0400 UTC SSYL atencion: 14231 81012 10381 Very weak sig. Heavy QRM. Contr: (westli)
4060.35	OLO32	Mode: FEC 100/170 Date/time: 10-11-2010, Czech Intel. Contr: (BCI)
4165	E10	Mode: AM Date/time: 25-10-2010, 1558 UTC ART Contr: (BCI)
4225	M89	Mode: CW Date/time: 6-11-2010, 1331 UTC V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sat) (//5500) Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 20-11-2010, 1707 UTC V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sat) //5500 Contr: (JPL-HK)
4270	E10	Mode: AM Date/time: 8-11-2010, 2102 UTC PCD gr20 SMUML ... Contr: (AB)
4270	E10	Mode: AM Date/time: 10-11-2010, 2102 UTC PCD gr18 JOWFF NAWJP ... Contr: (AB)
4270.0	E10	Mode: USB Date/time: Sun 14-11-2010, 1930 PCD Contr: (CU)
4270.0	E10	Mode: USB Date/time: Sat 20-11-2010, 0300 UTC Callsign DPC alphanumeric characters repeated twice moderate readable Contr: (Ewok-IT)

4271	E10	Mode: AM Date/time: 8-11-2010, 1937 UTC 5L bcast in progress. Contr: (MPJ)
4271	E10	Mode: AM Date/time: 29-11-2010, 0304 UTC in progress; end of message Contr: (TFN)
4326.2	MX	Mode: CW Date/time: 9-11-2010, 0209 UTC Channel marker "R" Izhevsk Contr: (AB)
4329	M22	Mode: CW Date/time: 27-11-2010, 0432 UTC Israeli navy VVV DE 4XZ 4XZ v Contr: (rec)
4331	M22	Mode: CW Date/time: 23-11-2010, 1609 UTC 4XZ Israeli Navy. Contr: (norave)
4368	M89	Mode: CW Date/time: 31-10-2010, 1848 UTC Chinese military "V MB3R MB3R MB3R DE YA6X YA6X" Contr: (PPA)
4382.0	XM	Mode: USB Date/time: Sun 7-11-2010, 1852 Good signal, QSB2 Contr: (SWL1409)
4382.0	XM	Mode: USB Date/time: Sat 20-11-2010, 2242 UTC Very weak. QSB2. Contr: (SWL1409)
4427	VC01	Mode: USB Date/time: 21-11-2010, 1340 UTC Chinese Robot, YL CC synthesized very rapid numbers Contr: (token)
4458	G06	Mode: AM Date/time: Mon 1-11-2010, 1800 UTC 892 0 Contr: (HFD)
4460.0	M51	Mode: RTTY Date/time: Tue 30-11-2010, 0400 Contr: (FMB)
4471	M14	Mode: CW Date/time: Fri 5-11-2010, 2100 UTC 724 0 Contr: (HFD)
4486.35	OLO32	Mode: FEC 100/170 Date/time: 16-11-2010, Czech Intel. Contr: (BCI)
4490	M01	Mode: CW Date/time: Tue 2-11-2010, 2000 UTC 197-826/30=08594 Contr: (HFD)
4490	M01	Mode: CW Date/time: 16-11-2010, 2000 UTC 197 394 30 == 20497 Contr: (FN)
4505	E11	Mode: USB Date/time: Mon 1-11-2010, 0610 UTC 261/32=78749 Contr: (HFD)
4519	G06	Mode: AM Date/time: Thu 11-11-2010, 1835 ip Contr: (HFD)
4523	M89	Mode: CW Date/time: 5-11-2010, 2107 UTC V JA3L JA3L JA3L DE UN2T UN2T Contr: (JPL- HK)
4523	M89	Mode: CW Date/time: 6-11-2010, 1327 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Sat) (//3327) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 6-11-2010, 1910 UTC V QPZM QPZM QPZM DE WOXN WOXN Contr: (PPA)
4523	M89	Mode: CW Date/time: 20-11-2010, 1704 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Sat) //3327 Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 23-11-2010, 2107 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) (Tue) Contr: (JPL-HK)
4532	M31	Mode: CW Date/time: 2-11-2010, 2028 UTC FDI22 "VVV VVV VVV DE FDI22 FDI22 FDI22 AR" Contr: (PPA)
4532	M89	Mode: CW Date/time: 5-11-2010, 2117 UTC V JA3L JA3L JA3L DE UN2T UN2T Contr: (JPL- HK)

4532	M89	Mode: CW Date/time: 6-11-2010, 1337 UTC V JA3L (x3) DE UN2T (x2) (Cont'd) (Sat) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 14-11-2010, 1520 UTC V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB- HK)
4532	M89	Mode: CW Date/time: 20-11-2010, 1711 UTC V JA3L (x3) DE UN2T (x2) (Cont'd) (Sat) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 23-11-2010, 2126 UTC V JA3L (x3) DE UN2T (x2) (Cont'd) (Tue) Contr: (JPL-HK)
4557.7	MX	Mode: CW Date/time: 9-11-2010, 0206 UTC Beacon "D" Sevastopol Contr: (AB)
4557.7	MX	Mode: CW Date/time: 25-11-2010, 2253 UTC Beacon "D" Sevastopol Contr: (OC)
4560	E10	Mode: AM Date/time: 9-11-2010, 0232 UTC YHF gr8 TXAXN ZSFGV SJNQL JFUZP EANJE KXROJ UVPYX FYEVR eom Contr: (AB)
4564	E07a	Mode: AM Date/time: Wed 3-11-2010, 2140 UTC 815 1-11590 Contr: (HFD)
4574	M21	Mode: CW Date/time: 5-11-2010, 1955 UTC Air Defense PVO. Morse Radar tracking results, ID 8 Contr: (FN)
4574	M21	Mode: CW Date/time: 17-11-2010, 1955 UTC Russian Air Defense. ID 8. Morse many Radar tracking data, weak signal Contr: (FN)
4574	M21	Mode: CW Date/time: 29-11-2010, 1807 UTC Russian air defence Contr: (BvR)
4602	M32	Mode: CW Date/time: 9-11-2010, 2134 UTC Russian Navy "RDL RDL RDL 22222 47750 94902 55891 55891 ..." Contr: (WP3)
4625	S28	Mode: USB Date/time: 6-11-2010, 1500 UTC Message. Female voice. Contr: (AB-Rus)
4625	S28	Mode: USB Date/time: 8-11-2010, 1800 UTC Message. MDZhB 6711 6021 uroveny 61.. 7228 Contr: (AB-Rus)
4625	S28	Mode: USB Date/time: 9-11-2010, 0203 UTC Buzzer Contr: (AB)
4625	S28	Mode: USB Date/time: 10-11-2010, 1257 UTC Male voice. MDZhB 20 169 PROLAZNIK 85 02 52 76 Contr: (RSRu)
4625	S28	Mode: USB Date/time: 10-11-2010, 1319 UTC Male voice. MDZhB MDZhB 14 676 ARHIPELAG 94 69 23 40 Contr: (RSRu)
4625	S28	Mode: USB Date/time: 11-11-2010, 1400 UTC Phone connection ca 30 minutes on the air. Russian voices. "Sudak" and "Vulkan" were mentioned. Contr: (RSRu)
4625	S28	Mode: AM Date/time: 15-11-2010, 2349 UTC The Buzzer buzzing nicely down here :) S9 Contr: (OE)
4625	S28	Mode: USB Date/time: 18-11-2010, 1350 UTC MDZhB 79 373 Kryazhistyi 26 54 09 83 Contr: (HS2)
4625	S28	Mode: USB Date/time: 23-11-2010, 1457 UTC The buzzer Contr: (norave)

4625.0	S28	Mode: USB Date/time: Sun 7-11-2010, 1605 Contr: (TI)
4625.0	S28	Mode: USB Date/time: Sun 7-11-2010, 1605 very weak Contr: (TI)
4625.0	S28	Mode: USB Date/time: Mon 29-11-2010, 1936 Only carrier. Contr: (SWL1409)
4629	M12	Mode: CW Date/time: Wed 10-11-2010, 2220 UTC 460 0 Contr: (HFD)
4636	M14	Mode: CW Date/time: Tue 23-11-2010, 1820 186-231/15=34528 Contr: (HFD)
4636	M42	Mode: MFSK-16 7.49Bd Date/time: 25-11-2010, Russian Gov/Intel. Contr: (linkz)
4636	XPA	Mode: AM Date/time: Thu 18-11-2010, 2050 0-msg Contr: (HFD)
4636	XPA	Mode: AM Date/time: Thu 25-11-2010, 2050 msg Contr: (HFD)
4638	E11	Mode: USB Date/time: Tue 2-11-2010, 0500 576/00 Contr: (HFD)
4760	E06	Mode: AM Date/time: Fri 5-11-2010, 2130 UTC 472-678/15=34582 Contr: (HFD)
4760.0	E06	Mode: USB Date/time: Fri 19-11-2010, 2130 Strong, QSB2. ID472. 678 678 15 15. End : 21:36:42 Contr: (SWL1409)
4784.35	OLO32	Mode: FEC 100/170 Date/time: 25-10-2010, Czech Intel. Contr: (BCI)
4792	G06	Mode: AM Date/time: Fri 12-11-2010, 1930 UTC 436-023/15=84720 Contr: (HFD)
4792	G06	Mode: AM Date/time: 12-11-2010, 1930 UTC 436 023 15 84720 Contr: (FN)
4830	M14	Mode: CW Date/time: Fri 5-11-2010, 2000 UTC 724 0 Contr: (HFD)
4836	E06	Mode: AM Date/time: 4-11-2010, 2030 UTC 472 678 15 34582 76958 37198 47287 12678 94627 56298 47157 43829 19823 14378 45092 08091 09876 10203 678 15 00000 Contr: (MUK)
4836	E06	Mode: AM Date/time: Thu 18-11-2010, 2030 321-456/15=##276 Contr: (HFD)
4836	E06	Mode: AM Date/time: 18-11-2010, 2030 UTC 321 456 15 34276 68594 45382 34768 56749 45693 37297 48794 36581 48753 27168 56493 25489 45632 29871 456 15 00000 Contr: (MUK)
4836	E06	Mode: AM Date/time: 18-11-2010, 2031 UTC 21 456 15 23276 Contr: (FN)
4836	G06	Mode: AM Date/time: 18-11-2010, 1930 UTC 123456789 Repeated to 1940 UTC Contr: (MUK)
4845	S06s	Mode: AM Date/time: 18-11-2010, 1410 UTC 624 875 9 47803 Contr: (FN)
4850	M42	Mode: RUS-ARQ 100/500 Date/time: 18-11- Russian Gov/Intel. Contr: (BCI)
4850	M42	Mode: CW Date/time: 18-11-2010, 0524 UTC RBI: Russian Gov/Intel. "CQ CQ DE RBI RBI QRU AS SL" Contr: (BCI)
4860	M89	Mode: CW Date/time: 5-11-2010, 2125 UTC VVV Q2M Q2M Q2M DE NYZ NYZ Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 6-11-2010, 1320 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K Contr: (JPL-HK)

4860	M89	Mode: CW Date/time: 6-11-2010, 1925 UTC VVV Q2M Q2M Q2M DE NYZ NYZ Contr: (PPA)
4860	M89	Mode: CW Date/time: 9-11-2010, 2320 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) (//6840) Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 20-11-2010, 1720 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 23-11-2010, 2120 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) Contr: (JPL-HK)
4880	E10	Mode: AM Date/time: 7-11-2010, 2138 UTC in progress //3270 kHz Contr: (AB)
4880	E10	Mode: AM Date/time: 8-11-2010, 2003 UTC ULX gr 12 PFSZN ... Contr: (AB)
4951.5	M21	Mode: CW Date/time: 2-11-2010, 2051 UTC Russian Air Defence Idling time strings 992351??0????? Contr: (MPJ)
4951.5	M21	Mode: CW Date/time: 5-11-2010, 2007 UTC Air Defense PVO. Morse Radar tracking results, ID 0 Contr: (FN)
4951.5	M21	Mode: CW Date/time: 15-11-2010, 2007 UTC Russian Air Defense. ID 0. Morse =992307??0?????, and tracking data Contr: (FN)
5070	S06s	Mode: AM Date/time: Tue 9-11-2010, 1500 UTC 537 Contr: (HFD)
5070	S06s	Mode: AM Date/time: 16-11-2010, 1500 UTC 537 481 7 18276 Contr: (FN)
5102.35	OL032	Mode: FEC 100/170 Date/time: 5-11-2010, 1751 Czech Intel. Contr: (norave)
5117.0	v02a	Mode: AM Date/time: Mon 15-11-2010, 0400 UTC A xxxxx 67072 47152 (In progress, missed callup, Winter freq.) Contr: (Jon-FL)
5146	E07a	Mode: AM Date/time: Thu 11-11-2010, 0530 188 0 Contr: (HFD)
5153.7	MX	Mode: CW Date/time: 9-11-2010, 0209 UTC Beacon "D" Sevastopol Contr: (AB)
5153.7	MX	Mode: CW Date/time: 21-11-2010, 2016 UTC Beacon "D" Odessa/Sevastopol Contr: (MPJ)
5153.7	MX	Mode: CW Date/time: 25-11-2010, 2247 UTC Beacon "D" Sevastopol Contr: (OC)
5154	MX	Mode: CW Date/time: 25-11-2010, 2246 UTC Beacon "C" Moscow Contr: (OC)
5164	E07a	Mode: AM Date/time: Wed 3-11-2010, 2120 UTC 815 1-11590 Contr: (HFD)
5185	M42	Mode: RUS-ARQ/100/500 Date/time: 19-11- Russian Gov/Intel. RBW: unid station near Penza wkg Moscow on 5325 kHz Contr: (PPA)
5201	M21	Mode: CW Date/time: 31-10-2010, 1914 UTC Russian Air Defense =992214??T????? Contr: (PPA)
5224	M32	Mode: CW Date/time: 5-11-2010, 0505 UTC RCV: Russian Navy Sevastopol. "rgx94 rdx94 rgx94 rcv rcv qtc 762 57 41500 762 nawip 036 2270 karta 31036 sredi", 0525z: "rkz rkz rkz de rcv rcv prognoz", later: "rcig de rvc qsa 2 k" Contr: (WP3)
5250	S06s	Mode: AM Date/time: Tue 2-11-2010, 0700 UTC

374 Contr: (HFD)

5310 M89 Mode: CW Date/time: 17-11-2010, 2334 UTC
V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)

5310 S06s Mode: AM Date/time: 18-11-2010, 1240 UTC
314 876 5 82397 Contr: (FN)

5310 S06s Mode: AM Date/time: Thu 18-11-2010, 1240
314 Contr: (HFD)

5320 M01 Mode: CW Date/time: Tue 9-11-2010, 1800 UTC
197-476/30=85760 Contr: (HFD)

5320 M01 Mode: CW Date/time: 16-11-2010, 1800 UTC
197 215 30 == 34375 Contr: (FN)

5320 S06s Mode: AM Date/time: 18-11-2010, 1400 UTC
624 875 9 47803 Contr: (FN)

5325 M42 Mode: RUS-ARQ/100/500 Date/time: 19-11-
Russian Gov/Intel. RND79: Moscow wkg RBW on
5185 kHz Contr: (PPA)

5336 XPA Mode: AM Date/time: Thu 25-11-2010, 2030
msg Contr: (HFD)

5344 E11 Mode: USB Date/time: Wed 3-11-2010, 0540 UTC
270/00 Contr: (HFD)

5358 E11 Mode: USB Date/time: Mon 1-11-2010, 0755 UTC
438/00 Contr: (HFD)

5402.5 M41 Mode: CW Date/time: 22-11-2010, 0540 UTC
PVO Russian Air Defence "5EQB 5EQB 5EQB (...)
5EQB", s/off. Contr: (ALF)

5410 S06 Mode: AM Date/time: 22-11-2010, 2215 UTC
215 00000 Contr: (HS2)

5410 S06 Mode: AM Date/time: Mon 22-11-2010, 2215 UTC
218 0 Contr: (HFD)

5429 M12 Mode: CW Date/time: Wed 10-11-2010, 2200 UTC
460 0 Contr: (HFD)

5435 E10 Mode: AM Date/time: 9-11-2010, 0202 UTC
ART2 //3415 kHz Contr: (AB)

5435 E10 Mode: AM Date/time: 9-11-2010, 0202 UTC
ART2 //3415 kHz Contr: (AB)

5435 E10 Mode: AM Date/time: 20-11-2010, 1713 UTC
ULX Contr: (BCI)

5447 E07 Mode: AM Date/time: Thu 11-11-2010, 2130
744 0 Contr: (HFD)

5460 S06 Mode: AM Date/time: 5-11-2010, 0600 UTC
934 261 5 52244 57739 99154 20543 15819
Contr: (HS2)

5460 S06s Mode: AM Date/time: Fri 5-11-2010, 0600 UTC
934-261/5=52244 Contr: (HFD)

5463 G06 Mode: AM Date/time: Tue 15-11-2010, 0800
215 0 Contr: (HFD)

5463 G06 Mode: AM Date/time: 15-11-2010, 0800 UTC
215 00000 Contr: (FN)

5465 M01 Mode: CW Date/time: sun 14-11-2010, 0700 UTC
197-924/30=40858 Contr: (HFD)

5466.12 MX Mode: CW Date/time: 21-10-2010, 2045 UTC
Beacon "R" Izhevsk Contr: (MPJ)

5500 M89 Mode: CW Date/time: 5-11-2010, 2109 UTC
V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (JPL-HK)

5500 M89 Mode: CW Date/time: 6-11-2010, 1331 UTC

		V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sat) (//4225) Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 20-11-2010, 1707 UTC V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sat) //4225 Contr: (JPL-HK)
5688	V21	Mode: USB Date/time: 24-11-2010, 1734 UTC Cuban Babbler Contr: (AB-FL)
5688.0	V21	Mode: USB Date/time: Mon 1-11-2010, 1244 UTC Tentative Babbler in Spanish, male voice counting. Background noise, YL talking Contr: (TW3)
5688.0	V21	Mode: USB Date/time: Wed 3-11-2010, 1253 UTC Tentative Babbler in Spanish, male voice counting. Background noise, YL talking Contr: (TW3)
5688.0	V21	Mode: USB Date/time: Tue 9-11-2010, 1257 Tentative Babbler, male voice, SS counting. Caught the last few minutes of broadcast Contr: (TW3)
5688.0	V21	Mode: USB Date/time: Wed 24-11-2010, 1542 Fair, male reading slowly atm. Contr: (TW3)
5715.0	V24	Mode: AM Date/time: Sun 28-11-2010, 1530 Contr: (TI)
5715.0	V24	Mode: AM Date/time: Sun 28-11-2010, 1630 Contr: (TI)
5715.0	V24	Mode: AM Date/time: Mon 29-11-2010, 1530 UTC Contr: (TI)
5715.0	V24	Mode: AM Date/time: Mon 29-11-2010, 1630 UTC Contr: (TI)
5752	M21	Mode: CW Date/time: 5-11-2010, 1813 UTC PVO Contr: (norave)
5752	M21	Mode: CW Date/time: 8-11-2010, 2316 UTC BT 990216 ???0????? Contr: (JPL-SVK)
5752	M21	Mode: CW Date/time: 17-11-2010, 1527 UTC Russian Air Defense. ID 8. Morse time strings, no tracking data Contr: (FN)
5785	M42	Mode: RUS-ARQ 100/500 Date/time: 3-11-2010, Russian Gov/Intel. Bursts. Duplex circuit traffic Contr: (ALF)
5787	S06	Mode: AM Date/time: sat 20-11-2010, 1605 UTC 864 0 Contr: (HFD)
5787	S06	Mode: AM Date/time: 27-11-2010, 1605 UTC 864 00000 Contr: (FN)
5787.0	S06	Mode: USB Date/time: Sat 20-11-2010, 1605 UTC (Male). Null message ID864. Strong, +10dB. Start : 16:04:58 - End : 16:09:02 Contr: (SWL1409)
5788	M12	Mode: CW Date/time: Wed 3-11-2010, 1840 UTC 463 1 Contr: (HFD)
5800.0	M08a	Mode: CW Date/time: Mon 1-11-2010, 0559 UTC Atencion *****; Weak signal, strong interference, very strong crosstalk Contr: (AnNYC)
5800.0	M08a	Mode: CW Date/time: Tue 2-11-2010, 0559 UTC Atencion TWNDA URRTA WIGIN; Weak signal, very strong interference, very strong Contr: (AnNYC)
5800.0	M08a	Mode: CW Date/time: Fri 5-11-2010, 0559 UTC Atencion Expected on 5810KHz (sched. needs

updating?); Weak signal, moderate interf Contr: (AnNYC)

5800.0 M08a Mode: MCW Date/time: Sat 6-11-2010, 0600
5f cut nums: 37511 82871 64101 Good sig.
Contr: (westli)

5800.0 M08a Mode: MCW Date/time: Sun 7-11-2010, 0600 UTC
Strong signal (S7 on Grundig G3) and low noise,
clear. CL, IP. A2A Contr: (BCA)

5800.0 M08a Mode: CW Date/time: Sun 7-11-2010, 0600 UTC
Atencion Expected on 5810KHz (sched. needs
updating); Very weak signal, very strong Contr:
(AnNYC)

5800.0 M08a Mode: CW Date/time: Mon 8-11-2010, 0559 UTC
Atencion SK01 Tx 055511Z; M08a TAANN
GUTRN UGNTN; Good signal, little interference
Contr: (AnNYC)

5800.0 M08a Mode: MCW Date/time: Tue 9-11-2010, 0600 UTC
IP Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Fri 12-11-2010, 0600 UTC
Strong signal (S7 on Grundig G3). MC, IP. A2A
Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Sat 13-11-2010, 0600
5f cut nums: 48841 12711 70381 Good sig. Up at
0058z. Heavy QRM/N. Contr: (westli)

5800.0 M08a Mode: MCW Date/time: Sat 13-11-2010, 0600
Moderate signal (S5). Caught at end of callups.
MC IP. A2A Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Mon 15-11-2010, 0600
MC IP. Heavy local noise. Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Tue 16-11-2010, 0600
5f cut nums: 04621 10051 46082 Good sig.
Contr: (westli)

5800.0 M08a Mode: MCW Date/time: Tue 16-11-2010, 0600
S7. Inaudible over electric noise. C0618z IP
Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Thu 18-11-2010, 0600
Missed callups. S9+ indoors. Fades. MC CIP IP.
Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Sat 20-11-2010, 0600
5f cut nums: VG sig. Up late IP.
Contr: (westli)

5800.0 M08a Mode: MCW Date/time: Sat 20-11-2010, 0600
..... 17361 55071 First ID cut off. S9+ fades to S6.
Typical Cuban hum. Contr: (BCA)

5800.0 M08a Mode: MCW Date/time: Tue 23-11-2010, 0600
17362 44862 86751 VG sig. Contr: (westli)

5800.0 M08a Mode: MCW Date/time: Thu 25-11-2010, 0600
74641 43831 11702. S9+. Cuban hum stronger
today. Carrier up at 0545z. Contr: (BCA)

5800.0 Mo8a Mode: CW Date/time: Thu 4-11-2010, 0006 UTC
Contr: (BCA)

5800.0 SK01 Mode: AM Date/time: Wed 3-11-2010, 0500 UTC
Atencion Expected M08a (sched. needs
updating?); Severe interference and crosstalk
Contr: (AnNYC)

5806 E06 Mode: AM Date/time: 14-11-2010, 1219 UTC
743 00000 Contr: (HS2)

5810	M01	Mode: CW Date/time: 27-11-2010, 1500 UTC 197 717 30 == txt Contr: (FN)
5810	M01b	Mode: CW Date/time: 12-11-2010, 1615 UTC 158 078 33 == 27018 Contr: (FN)
5810	M01b	Mode: CW Date/time: Fri 12-11-2010, 1615 UTC 158-078/33=27018 Contr: (HFD)
5810	M01b	Mode: CW Date/time: 19-11-2010, 1615 UTC 158 078 33 == 27018 Contr: (FN)
5810	M01b	Mode: CW Date/time: 26-11-2010, 1615 UTC 158 078 33 == 27018 Contr: (FN)
5810	S06s	Mode: AM Date/time: Tue 9-11-2010, 0800 UTC 418 Contr: (HFD)
5810	S06s	Mode: AM Date/time: Tue 9-11-2010, 1230 UTC 278-940/5=40438 Contr: (HFD)
5820.0	E10	Mode: USB Date/time: Sun 14-11-2010, 1930 YHF2 Contr: (CU)
5820.0	E10	Mode: USB Date/time: Sat 20-11-2010, 1934 UTC YHF2. No message. Fair. QSB2 QRM2. Contr: (SWL1409)
5824	E07	Mode: AM Date/time: Mon 1-11-2010, 2040 UTC 798 1 Contr: (HFD)
5839.0	E06	Mode: AM Date/time: Sun 21-11-2010, 0130 Russian Man. Good reception Contr: (IP-SE)
5846	E07a	Mode: AM Date/time: Thu 11-11-2010, 0550 188 0 Contr: (HFD)
5852.0	E06	Mode: AM Date/time: Sun 28-11-2010, 0130 very poor reception, hardly anything heard Contr: (IP-SE)
5860.0	E06	Mode: AM Date/time: Sun 14-11-2010, 0137 very weak signal, only the end of transmission received Contr: (IP-SE)
5864	E07a	Mode: AM Date/time: Wed 3-11-2010, 2100 UTC 815 1-11590-178/51 =23266 Contr: (HFD)
5866.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0008 UTC Female - spanish Contr: (Ben)
5867	E07	Mode: AM Date/time: Thu 4-11-2010, 0800 UTC 873 0 Contr: (HFD)
5871.0	M12	Mode: CW Date/time: Tue 30-11-2010, 0450 (i.p.) ttt tt Contr: (FMB)
5872	M12	Mode: CW Date/time: Tue 2-11-2010, 0440 UTC 876 2 Contr: (HFD)
5873	M21	Mode: CW Date/time: 8-11-2010, 2314 UTC BT 990214 ??0????? Contr: (JPL-SVK)
5873	M21	Mode: CW Date/time: 15-11-2010, 1625 UTC Russian Air Defense. ID 8. Morse many Radar tracking data Contr: (FN)
5880	V02a	Mode: AM Date/time: 7-11-2010, 0720 UTC 04251 04251 04251 28 69604 65886 etc Contr: (wwp)
5883	V02a	Mode: AM Date/time: 4-11-2010, 0658 UTC in progress Contr: (rus1)
5883	V02a	Mode: AM Date/time: 5-11-2010, 0658 UTC in progress Contr: (rus1)
5883	V02a	Mode: AM Date/time: 14-11-2010, 0700 UTC A 62111 74421 55782 Contr: (HS2)
5883.0	V02a	Mode: AM Date/time: Mon 1-11-2010, 0659 UTC AtencionAtencion 47722 70022 07321; Headers

5883.0	V02a	08546 74536, 5****(?) ***00(?), Contr: (AnNYC) Mode: AM Date/time: Tue 2-11-2010, 0700 UTC Atencion Atencion 35561 14312 61442; Headers 05574 55545, 28077 81187, 17714 Contr: (AnNYC)
5883.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 0007 UTC Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0659 UTC AtencionAtencion 48631 57712 11622; Headers 62408 00116, ***** *****, 0161* Contr: (AnNYC)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0700 UTC SSYL: Good sig. Caught late. Contr: (westli)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0700 UTC Excellent signal. Contr: (PanDR)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0700 UTC Strong (S7). Missed callups. Heard error Cieco. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0800 UTC Atencion Expected on 5898KHz; ATENCI+“N 48631 57712 11622; Contr: (AnNYC)
5883.0	V02a	Mode: AM Date/time: Sun 7-11-2010, 0800 UTC Atencion 48631 57712 11622. Strong (S7) with familiar Cuban hum. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Mon 8-11-2010, 0711 UTC Atencion SK01 Tx 0657Z, 0701Z, 0706Z; V02a begins at 0711Z; ?????, 04251, 07511 Contr: (AnNYC)
5883.0	V02a	Mode: AM Date/time: Fri 12-11-2010, 0700 UTC Excellent S9+ signal. MC IP Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sat 13-11-2010, 0500 UTC Atencion 63352 75731 22861. Moderate signal (S4) with some QRM. IP. A3E Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sat 13-11-2010, 0700 UTC Atencion 63352 75731 22861. Moderate signal (S4) with some QRM. IP. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sun 14-11-2010, 0700 SSYL: Good sig. Caught late. Contr: (westli)
5883.0	V02a	Mode: AM Date/time: Tue 16-11-2010, 0700 S9+, but quiet. MC IP Contr: (BCA)
5883.0	v02a	Mode: AM Date/time: Tue 16-11-2010, 0700 A xxxxx 26611 07221 (in progress missed callup) Contr: (Jon-FL)
5883.0	V02a	Mode: AM Date/time: Sat 20-11-2010, 0805 UTC In progress Contr: (K5KNT)
5883.0	V02a	Mode: AM Date/time: Sun 21-11-2010, 0700 AtencionAtencion 82542 26101 08562. Up early (658z). Clear S9+, S6 indoors. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Tue 23-11-2010, 0730 In progress, weak signal, Lots of QRM from an unknown station, faded in and out Contr: (K5KNT)
5883.0	V02a	Mode: AM Date/time: Thu 25-11-2010, 0700 Atencion 20102 12251 83112. S9+ Very strong. QRM 5900. Cuban hum louder. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Thu 25-11-2010, 0728

5883.0	V02a	In progress, weak signal Contr: (K5KNT) Mode: AM Date/time: Sat 27-11-2010, 0700 UTC Atencion 88212 42621 25331. S9 fade to S7. Contr: (BCA)
5883.0	V02a	Mode: AM Date/time: Sun 28-11-2010, 0700 SSYL: VG sig. Caught late. Contr: (westli)
5898	V02a	Mode: AM Date/time: 4-11-2010, 0758 UTC in progress Contr: (rusl)
5898	V02a	Mode: AM Date/time: 5-11-2010, 0758 UTC in progress Contr: (rusl)
5898	V02a	Mode: AM Date/time: 14-11-2010, 0800 UTC Atencion ... Contr: (HS2)
5898	V02a	Mode: AM Date/time: 21-11-2010, 0759 UTC Cuban DGI. Spanish YL. Atencion ocho dos cinco quatro dos Contr: (PPA)
5898.0	M08a	Mode: MCW Date/time: Mon 1-11-2010, 0500 5f cut nums: Good sig. Up late IP. Contr: (westli)
5898.0	M08a	Mode: CW Date/time: Mon 1-11-2010, 0504 UTC Atencion ***** ANWGA *****; no callup, starte late; fair signal, strong interference Contr: (AnNYC)
5898.0	M08a	Mode: MCW Date/time: Tue 2-11-2010, 0500 UTC 5f cut nums: Up late IP. Contr: (westli)
5898.0	M08a	Mode: CW Date/time: Tue 2-11-2010, 0509 UTC Atencion ***** URRTA WIGIN (in progres); Fair signal, moderate interference, strong Contr: (AnNYC)
5898.0	M08a	Mode: MCW Date/time: Sat 6-11-2010, 0500 5f cut nums: VG sig. Up late IP. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Mon 8-11-2010, 0500 Very strong signal (S9+ on Grundig G3). MC IP. A2A Contr: (BCA)
5898.0	M08a	Mode: CW Date/time: Mon 8-11-2010, 0504 UTC Atencion ***** UTNAN RGGAN; started late; Very good signal, very little interferenc Contr: (AnNYC)
5898.0	M08a	Mode: CW Date/time: Thu 11-11-2010, 0658 Atencion RWGGA IRIUN NGRWA; On 5898KHz from 0658Z to 0702Z; Contr: (AnNYC)
5898.0	M08a	Mode: MCW Date/time: Sat 13-11-2010, 0500 Caught at EOT, started late. Moderate signal (S4) A2A Contr: (BCA)
5898.0	M08a	Mode: MCW Date/time: Sun 14-11-2010, 0500 5f cut nums: Up late IP. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Mon 15-11-2010, 0500 5f cut nums: ..862 Up late IP. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Tue 16-11-2010, 0500 74??2 10052 46062 First ID questionable. S7-S9- S7 fade every 9 seconds. Contr: (BCA)
5898.0	M08a	Mode: MCW Date/time: Tue 16-11-2010, 0500 5f cut nums: 04621 10051 46082 Good sig. Contr: (westli)

5898.0	M08a	Mode: MCW Date/time: Thu 18-11-2010, 0500 78011 51382 First few minutes of M8a missing, Contr: (BCA)
5898.0	M08a	Mode: MCW Date/time: Sat 20-11-2010, 0500 5f cut nums: 23472 10361 55071 VG sig. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Sat 20-11-2010, 0500 23772 17361 55071 First ID questionable. S9+ fades to S7. Typical Cuban hum. Contr: (BCA)
5898.0	M08a	Mode: MCW Date/time: Mon 22-11-2010, 0500 5f cut nums: Up late IP. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Thu 25-11-2010, 0500 5f cut nums: 74641 43831 11702 Good sig. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Sat 27-11-2010, 0500 5f cut nums: VG sig. Up late IP. Contr: (westli)
5898.0	M08a	Mode: MCW Date/time: Sun 28-11-2010, 0500 12345 67890 entire transmission. S9+ fade to S7. IP CIP 0520z Contr: (BCA)
5898.0	M8	Mode: CW Date/time: Thu 4-11-2010, 0005 UTC Contr: (BCA)
5898.0	SK01	Mode: AM Date/time: Wed 3-11-2010, 0602 UTC Atencion Expected M08a on 5810KHz (sched. needs updating?); Contr: (AnNYC)
5898.0	SK01	Mode: AM Date/time: Fri 5-11-2010, 0515 UTC Atencion Expected M08a on 5810KHz (sched. needs updating?); In progress; Contr: (AnNYC)
5898.0	SK01	Mode: AM Date/time: Sun 7-11-2010, 0507 UTC Atencion Expected M08a on 5810KHz (sched.needs updating?); In progress; Good signal Contr: (AnNYC)
5898.0	SK01	Mode: AM Date/time: Thu 11-11-2010, 0559 Atencion Expected M08a; Tx at 055914Z, 060414Z, 060914Z, 061414Z, 061914Z, 062414Z, Contr: (AnNYC)
5898.0	SK01	Mode: AM Date/time: Fri 12-11-2010, 0500 UTC Good S7 signal. Seems M8a is being phased out? Contr: (BCA)
5898.0	SK01	Mode: AM Date/time: Fri 19-11-2010, 0500 UTC Should be M8a. RDFT no decode. S9-S5-S9 fade every 9 seconds. DB1 0507z DB2 0512 Contr: (BCA)
5898.0	V02a	Mode: AM Date/time: Mon 1-11-2010, 0759 UTC Atencion Atencion 47722 70022 07321; Headers 08546 74536, 29100 06180, 56795 Contr: (AnNYC)
5898.0	V02a	Mode: AM Date/time: Tue 2-11-2010, 0758 UTC AtencionAtencion 35561 14312 61442; Headers 8625* *45*1, 24651 43577, 343*2 Contr: (AnNYC)
5898.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 0008 UTC Contr: (BCA)
5898.0	V02a	Mode: AM Date/time: Sat 6-11-2010, 0837 UTC Atencion In progress; Format ?, ?, 9 Contr: (AnNYC)
5898.0	V02a	Mode: AM Date/time: Mon 8-11-2010, 0759 UTC

		AtencionAtencion 02281 04251 07511; Header
		05108 68057; lost signal by 0810 Contr: (AnNYC)
5898.0	V02a	Mode: AM Date/time: Sat 13-11-2010, 0800 UTC
		Atencion 63352 ?????? ??????. Moderate signal
		(S4). Probably same callups as 0700z. Contr:
		(BCA)
5898.0	V02a	Mode: AM Date/time: Sun 14-11-2010, 0807
		Fair, QSB3, short listening time Contr: (SWL1409)
5898.0	V02a	Mode: AM Date/time: Tue 16-11-2010, 0800
		A 87572 26611 07221 Contr: (Jon-FL)
5898.0	V02a	Mode: AM Date/time: Sat 27-11-2010, 0800 UTC
		Atencion 88212 42621 25331. S9+. Fade to S9.
		IP. Contr: (BCA)
5938	E07	Mode: AM Date/time: Wed 3-11-2010, 1840 UTC
		199 1 Contr: (HFD)
5938	M01b	Mode: CW Date/time: Thu 18-11-2010, 1605
		159 Contr: (HFD)
5940	M01b	Mode: CW Date/time: 18-11-2010, 1605 UTC
		159 078 33 == txt Contr: (FN)
5940	M01b	Mode: CW Date/time: 25-11-2010, 1605 UTC
		159 078 33 == ...72747 08254 Contr: (FN)
6222	M21	Mode: CW Date/time: 17-11-2010, 1544 UTC
		Russian Air Defense. ID 9. Morse Radar tracking
		data Contr: (FN)
6250.0	XSL	Mode: USB Date/time: Sun 14-11-2010, 0015
		Weak underneath Korea broadcast station Contr:
		(CU)
6250.0	XSL	Mode: USB Date/time: Sun 14-11-2010, 1930
		Weak Contr: (CU)
6305	S06s	Mode: AM Date/time: Wed 3-11-2010, 1210 UTC
		481 Contr: (HFD)
6320	S06s	Mode: AM Date/time: Tue 2-11-2010, 0715 UTC
		374 Contr: (HFD)
6330	V24	Mode: USB Date/time: 14-11-2010, 1200 UTC
		Msg Contr: (HS2)
6330.0	V24	Mode: AM Date/time: Mon 29-11-2010, 1200 UTC
		Contr: (TI)
6337	S06s	Mode: AM Date/time: Tue 9-11-2010, 1510 UTC
		537 Contr: (HFD)
6337	S06s	Mode: AM Date/time: 16-11-2010, 1510 UTC
		537 481 7 18276 Contr: (FN)
6378	M22	Mode: CW Date/time: 15-11-2010, 2235 UTC
		Israeli Navy Tel Aviv. VVV DE 4XZ 4XZ == VVV
		DE 4XZ 4XZ == Contr: (OE)
6379	M22	Mode: CW Date/time: 5-11-2010, 1641 UTC
		4XZ: Israeli Navy Haifa. 5LG messages Contr:
		(WP3)
6379	M22	Mode: CW Date/time: 23-11-2010, 1607 UTC
		4XZ Israeli Navy. Contr: (norave)
6397	G11	Mode: USB Date/time: Thu 4-11-2010, 0935
		278/35 Contr: (HFD)
6417	XSL	Mode: PSK Date/time: 28-11-2010, 0912 UTC
		Japanese slot machine Contr: (ranger)
6433.0	G11	Mode: USB Date/time: Sun 14-11-2010, 1757
		270/00 - Strong, QSB2 Contr: (SWL1409)
6498	E10	Mode: AM Date/time: 9-11-2010, 1502 UTC
		PCD Contr: (AB-GRC)

6668	S06s	Mode: AM Date/time: Mon 1-11-2010, 1610 UTC 176 Contr: (HFD)
6668	S06s	Mode: AM Date/time: 15-11-2010, 1610 UTC 176 983 5 44937 Contr: (FN)
6688	M89	Mode: CW Date/time: 2-11-2010, 1714 UTC V MB3R MB3R MB3R DE YA6X YA6X Contr: (BCI)
6688	M89	Mode: CW Date/time: 2-11-2010, 2245 UTC V MB3R MB3R MB3R DE YA6X YA6X Contr: (ALF)
6730.0	V24	Mode: AM Date/time: Sat 6-11-2010, 1300 UTC Weak signal and fading, S3 Contr: (PanDR)
6767	E07	Mode: AM Date/time: Thu 4-11-2010, 0820 UTC 873 0 Contr: (HFD)
6768.0	SK01	Mode: AM Date/time: Mon 22-11-2010, 1600 UTC RDFT files 85787354.txt of 1024 bytes Contr: (Jon-FL)
6768.0	V02a	Mode: AM Date/time: Mon 1-11-2010, 0400 UTC SSYL atencion: 56161 22121 66161 Good sig. Contr: (westli)
6768.0	V02a	Mode: AM Date/time: Sat 13-11-2010, 0100 UTC SSYL atencion: 71518 Weak sig. Poor sig quality. Contr: (westli)
6768.0	V02a	Mode: AM Date/time: Mon 29-11-2010, 0400 UTC SSYL atencion: 14332 87401 17771 Good sig. QRM4. Contr: (westli)
6771.0	M12	Mode: CW Date/time: Tue 30-11-2010, 0500 876(x3) 1 .31 157... Contr: (FMB)
6772	M12	Mode: CW Date/time: Tue 2-11-2010, 0523 UTC 876 2 Contr: (HFD)
6777	E07	Mode: AM Date/time: Thu 11-11-2010, 2110 744 0 Contr: (HFD)
6792	M12	Mode: CW Date/time: 17-11-2010, 1545 UTC i.p., ends at 1555z Contr: (FN)
6795	M12	Mode: CW Date/time: Mon 8-11-2010, 0600 UTC 792 0 Contr: (HFD)
6802	M12	Mode: CW Date/time: Wed 3-11-2010, 1820 UTC 463 1 Contr: (HFD)
6803	S06	Mode: AM Date/time: sat 13-11-2010, 1600 UTC 864 0 Contr: (HFD)
6807	S06	Mode: AM Date/time: 13-11-2010, 1600 UTC 864 00000 Contr: (FN)
6807	S06	Mode: AM Date/time: 27-11-2010, 1605 UTC 864 00000 Contr: (FN)
6808.5	M42	Mode: CROWD36 Date/time: 11-11-2010, 1634 Russian Gov/Intel. Contr: (BCI)
6822.35	OLO32	Mode: FEC 100/170 Date/time: 11-11-2010, Czech Intel. Contr: (BCI)
6823	XPA	Mode: AM Date/time: Tue 9-11-2010, 1940 UTC msg Contr: (HFD)
6824.0	M51	Mode: USB Date/time: Tue 23-11-2010, 1850 Strong, +15dB Contr: (SWL1409)
6825	M51	Mode: CW Date/time: 5-11-2010, 1638 UTC FAV22: French Army Mont-Valerien Contr: (WP3)
6840	E10	Mode: AM Date/time: 8-11-2010, 1433 UTC EZI gr 93 DJVMR EQVHB PMEAN Contr: (AB- IT)
6840	E10	Mode: AM Date/time: 9-11-2010, 0332 UTC

		EZI2 Contr: (AB-IT)
6840	E10	Mode: AM Date/time: 9-11-2010, 1302 UTC
		EZI2 //7690 kHz Contr: (AB-IT)
6840	E10	Mode: AM Date/time: 9-11-2010, 1432 UTC
		EZI gr93 DJVMR EQVHB PMEAN //7690 kHz
		Contr: (AB-IT)
6840	E10	Mode: AM Date/time: 22-11-2010, 2230 UTC
		EZI G41 QGPFP //7690 Contr: (HS2)
6840	M89	Mode: CW Date/time: 5-11-2010, 2125 UTC
		VVV Q2M Q2M Q2M DE NYZ NYZ Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 6-11-2010, 1320 UTC
		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
		Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 9-11-2010, 2320 UTC
		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
		(Tue) (//4860) Contr: (JPL-HK)
6840.0	E10	Mode: AM Date/time: Sat 6-11-2010, 2230 UTC
		Good signal. S6 Contr: (PanDR)
6840.0	E10	Mode: AM Date/time: Sun 7-11-2010, 0015 UTC
		yl - poor signal Contr: (Ben)
6840.0	E10	Mode: AM Date/time: Mon 15-11-2010, 0018 UTC
		Contr: (Ben)
6840.0	E10	Mode: USB Date/time: Thu 18-11-2010, 2033
		EZI. Strong, QSB2, +15dB. Count 22. WLPRM.
		Contr: (SWL1409)
6840.0	E10	Mode: AM Date/time: Mon 22-11-2010, 0100 UTC
		IED with 35 alpha groups (very long) RS: 4x4
		unknown Arabic station in background Contr:
		(Ewok-IT)
6855.0	V02a	Mode: AM Date/time: Mon 15-11-2010, 0300 UTC
		SSYL atencion: 67072 Very weak sig.
		Contr: (westli)
6880	S06s	Mode: AM Date/time: Wed 17-11-2010, 0820 UTC
		471-582/6=43525 Contr: (HFD)
6880	S06s	Mode: AM Date/time: 17-11-2010, 0820 UTC
		471 582 6 43525 break of 2 min. during first call-
		up Contr: (FN)
6904	M12	Mode: CW Date/time: Mon 1-11-2010, 2040 UTC
		257 1 Contr: (HFD)
6904	M12	Mode: CW Date/time: 18-11-2010, 2040 UTC
		257 1 780 62 35753 Contr: (FN)
6904.0	M12	Mode: CW Date/time: Mon 15-11-2010, 0020 UTC
		257 1 257 257 257 1 Contr: (Ben)
6924	E07	Mode: AM Date/time: Mon 1-11-2010, 2020 UTC
		798 1 Contr: (HFD)
6946.35	OLO32	Mode: FEC 100/170 Date/time: 15-11-2010,
		Czech Intel. Contr: (BCI)
6946.36	OLO32	Mode: FEC 100/170 Date/time: 23-11-2010,
		Czech Intel. Contr: (norave)
6964	M12	Mode: CW Date/time: Tue 2-11-2010, 0510 UTC
		983 0 Contr: (HFD)
6977	M42	Mode: Baudot 200/500 Date/time: 10-11-2010,
		Russian Gov/Intel. "846396239175995127?84510
		702851055326324146?80411" Contr: (BCI)
6982	E07	Mode: AM Date/time: Wed 3-11-2010, 1820 UTC
		199 1 Contr: (HFD)
7030	S06s	Mode: AM Date/time: Wed 3-11-2010, 1200 UTC

		481 Contr: (HFD)
7030	S06s	Mode: AM Date/time: 17-11-2010, 1200 UTC 481 507 6 97974 Contr: (FN)
7038.7	MX	Mode: CW Date/time: 23-11-2010, 1617 UTC Beacon "D" Contr: (norave)
7038.9	MX	Mode: CW Date/time: 23-11-2010, 1617 UTC Beacon "S" Contr: (norave)
7038.9	MX	Mode: CW Date/time: 24-11-2010, 1513 UTC Beacon "S" Sevoromorsk Contr: (OC)
7039	MX	Mode: CW Date/time: 23-11-2010, 1617 UTC Beacon "C" Contr: (norave)
7039	MX	Mode: CW Date/time: 24-11-2010, 1513 UTC Beacon "C" Moscow Contr: (OC)
7039.4	MX	Mode: CW Date/time: 1-11-2010, 1747 UTC Beacon "M" navy Magadan Contr: (PPA)
7039.4	MX	Mode: CW Date/time: 6-11-2010, 2107 UTC "M" Beacon Magadan Contr: (FBA)
7039.4	MX	Mode: CW Date/time: 10-11-2010, 2116 UTC Beacon "M" Magadan Contr: (AB-HK)
7070	S06	Mode: AM Date/time: 5-11-2010, 0610 UTC 934 261 5 52244 57739 99154 20543 15819 Contr: (HS2)
7150	S06s	Mode: AM Date/time: Fri 5-11-2010, 0700 UTC 196 Contr: (HFD)
7335	S06s	Mode: AM Date/time: 17-11-2010, 0830 UTC 745 813 6 32222 Contr: (FN)
7335	S06s	Mode: AM Date/time: Wed 17-11-2010, 0830 UTC 745-813/6=32222 Contr: (HFD)
7377	E11	Mode: USB Date/time: Mon 1-11-2010, 0730 UTC 649/00 Contr: (HFD)
7436	S06s	Mode: AM Date/time: Mon 1-11-2010, 1600 UTC 176-493/5=78745 Contr: (HFD)
7436	S06s	Mode: AM Date/time: 15-11-2010, 1600 UTC 176 983 5 44937 Contr: (FN)
7520	S06s	Mode: AM Date/time: Wed 10-11-2010, 1910 UTC 371 Contr: (HFD)
7523	XPA	Mode: AM Date/time: Tue 9-11-2010, 1920 UTC msg Contr: (HFD)
7526.0	M8	Mode: CW Date/time: Tue 30-11-2010, 2200 Contr: (DTS)
7558.5	M21	Mode: CW Date/time: 16-11-2010, 1455 UTC Russian Air Defense. ID 0. Morse =991755??0?????, no tracking data Contr: (FN)
7590	M42	Mode: RUS-ARQ 100/140 Date/time: 11-11- Russian Gov/Intel. Contr: (BCI)
7591.5	M31	Mode: CW Date/time: 26-11-2010, 0937 UTC French Air Force Narbonne. VVV DE FDI22 Contr: (BCI)
7602	M89	Mode: CW Date/time: 20-11-2010, 1425 UTC V DKG6 DKG6 DKG6 de 3A7D 3A7D Contr: (AtB)
7672	M12	Mode: CW Date/time: Tue 2-11-2010, 0606 UTC 876 2 Contr: (HFD)
7690	E10	Mode: AM Date/time: 9-11-2010, 0632 UTC EZI2 Contr: (AB-IT)
7690	E10	Mode: AM Date/time: 9-11-2010, 1302 UTC EZI2 //6840 kHz Contr: (AB-IT)
7690	E10	Mode: AM Date/time: 9-11-2010, 1432 UTC

		EZI gr93 DJVMR EQVHB PMEAN //6840 kHz Contr: (AB-IT)
7690	E10	Mode: AM Date/time: 22-11-2010, 1430 UTC EZI G93.... Contr: (HS2)
7705.5	M42	Mode: CROWD36 Date/time: 11-11-2010, 1806 Russian Gov/Intel. Contr: (BCI)
7724	E07	Mode: AM Date/time: Mon 1-11-2010, 2000 UTC 798 1-895/47=08534 Contr: (HFD)
7750	S06	Mode: AM Date/time: Mon 22-11-2010, 2115 UTC 218 0 Contr: (HFD)
7822	M89	Mode: CW Date/time: 12-11-2010, 0056 UTC V QPZM (x3) DE WOXN (x2) Contr: (JPL-HK)
7829	M42	Mode: RUS-ARQ 100/500 Date/time: 25-10- Russian Gov/Intel: ROK23 Contr: (BCI)
7840	S06	Mode: AM Date/time: 24-11-2010, 0828 UTC "CITIRIA SEM ADIM ..." Contr: (BCI)
7840	S06s	Mode: AM Date/time: Wed 17-11-2010, 0830 UTC 471 Contr: (HFD)
7840	S06s	Mode: AM Date/time: 17-11-2010, 0830 UTC 471 582 6 43525 break of 2 min. during first call- up Contr: (FN)
7850	E11	Mode: USB Date/time: 4-11-2010, 1830 UTC 416/0, between CHU-Time Beeps and Voice info. Ends 1833 UTC with "out" Contr: (KK2)
7865	S06s	Mode: AM Date/time: 18-11-2010, 1230 UTC 314 876 5 82397 Contr: (FN)
7865	S06s	Mode: AM Date/time: Thu 18-11-2010, 1230 314-876/5=82397 Contr: (HFD)
7882	M12	Mode: CW Date/time: Tue 2-11-2010, 0530 UTC 983 0 Contr: (HFD)
7918.0	E10	Mode: USB Date/time: Sat 6-11-2010, 1730 UTC YHF 2 alphsnumerics rptd twice Contr: (Ewok-IT)
7918.0	E10	Mode: USB Date/time: Sun 14-11-2010, 0530 YHF2 5 min callsign only no msg sent Contr: (Ewok-IT)
7918.0	E10	Mode: USB Date/time: Sun 14-11-2010, 1930 YHF2 Contr: (CU)
7931	M12	Mode: CW Date/time: Mon 1-11-2010, 2020 UTC 257 1 Contr: (HFD)
7931	M12	Mode: CW Date/time: 18-11-2010, 2020 UTC 257 1 780 62 35753 Contr: (FN)
7995	M12	Mode: CW Date/time: Mon 8-11-2010, 0620 UTC 792 0 Contr: (HFD)
8009.0	M08a	Mode: CW Date/time: Mon 1-11-2010, 2300 UTC 5f cut nums: 42842 08251 66121 Weak sig. Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Thu 4-11-2010, 2300 UTC 5f cut nums: Up late IP. Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Mon 15-11-2010, 2300 UTC 5f cut nums: 70852 51372 71651 Very weak sig. Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Thu 18-11-2010, 2200 5f cut nums: 06272 58512 54082 Weak sig. Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Mon 22-11-2010, 2300 UTC Weak signal, S1. MC CIP QSB2 Contr: (BCA)

8009.0	M08a	Mode: CW Date/time: Thu 25-11-2010, 2200 5f cut nums: Up late IP. Sent fast. Contr: (westli)
8047	M12	Mode: CW Date/time: Wed 3-11-2010, 1800 UTC 463 1 Contr: (HFD)
8056.0	M12	Mode: CW Date/time: Mon 29-11-2010, 1320 UTC 1t6 (x3) 1 9t2 249 ... 34t33 42487 ttt ttt Contr: (FMB)
8096.0	M08a	Mode: CW Date/time: Mon 1-11-2010, 1400 UTC 5f cut nums: 77861 30801 34741 Weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Wed 3-11-2010, 1400 UTC 5f cut nums: 61002 85781 10241 Good sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 5-11-2010, 1400 UTC 5f cut nums: 61112 84742 68531 Very weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 8-11-2010, 1400 UTC 5f cut nums: 87001 71661 67752 VG sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 15-11-2010, 1900 UTC 20272 65782 80242 Very weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Wed 17-11-2010, 1400 UTC 5f cut nums: 34102 25451 40611 Good sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 19-11-2010, 1400 UTC 5f cut nums: 22252 43771 06511 Weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 22-11-2010, 1400 UTC 5f cut nums: 88132 40421 86561 Weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 29-11-2010, 1400 UTC 5f cut nums: 65511 17841 54081 Weak sig. Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 29-11-2010, 1900 UTC 5f cut nums: Weak sig. Fades in after callups. Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Fri 5-11-2010, 1800 UTC 5f cut nums: Very weak sig. Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Fri 5-11-2010, 1900 UTC 5f cut nums: Very weak sig. Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Mon 22-11-2010, 1800 (etreme distortion) Contr: (Jon-FL)
8097.0	M08a	Mode: MCW Date/time: Mon 29-11-2010, 1800 5f cut nums: Very weak sig. Up late IP. Contr: (westli)
8105	M42	Mode: Baudot 200/500 Date/time: 2-11-2010, Russian Gov/Intel. "00000+++++++162)5761 00000+++++++162)5761" Contr: (BCI)
8116	M12	Mode: CW Date/time: 18-11-2010, 1940 UTC 124 1 151 67 93135 Contr: (FN)
8121	M42	Mode: Baudot 50/500 Date/time: 16-11-2010, Russian Gov/Intel. "10111 90539 62670 71989" Contr: (BCI)
8123	XPA	Mode: AM Date/time: Tue 9-11-2010, 1900 UTC

		msg Contr: (HFD)
8135.0	M08a	Mode: CW Date/time: Thu 18-11-2010, 2300 5f cut nums: 07342 74632 25742 Good sig. Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Thu 25-11-2010, 2300 5f cut nums: 32102 65121 33081 Good sig. Sent fast. Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Thu 25-11-2010, 2300 Very weak S0, fades below the noise floor. MC IP CIP 2309z. Contr: (BCA)
8169	M42	Mode: Baudot 200/500 Date/time: 10-11-2010, Russian Gov/Intel. "71062953636105530 =8628" Contr: (BCI)
8180.0	SK01	Mode: AM Date/time: Tue 16-11-2010, 0800 62116146.txt of 1024 bytes Contr: (Jon-FL)
8180.5	M42	Mode: CROWD36 Date/time: 11-11-2010, 1645 Russian Gov/Intel. Contr: (BCI)
8183	E07	Mode: AM Date/time: Wed 3-11-2010, 1800 UTC 199 1 Contr: (HFD)
8186.0	SK01	Mode: AM Date/time: Sat 27-11-2010, 0800 UTC Weak with long, shallow fades. CIP 0803z. Too much noise for further detail. Contr: (BCA)
8215	S06s	Mode: AM Date/time: Fri 5-11-2010, 0710 UTC 196 Contr: (HFD)
8420	S06s	Mode: AM Date/time: Mon 1-11-2010, 1300 UTC 831-250/6=68734 Contr: (HFD)
8494.0	MX	Mode: USB Date/time: Sat 27-11-2010, 2051 UTC Weak. Contr: (SWL1409)
8494.7	MX	Mode: CW Date/time: 2-11-2010, 1555 UTC Cluster beacon "D" SEVASTOPOL Contr: (OC)
8494.7	MX	Mode: CW Date/time: 7-11-2010, 1019 UTC Beacon "D" Sevastopol Contr: (WP3)
8494.7	MX	Mode: CW Date/time: 24-11-2010, 1516 UTC Beacon "D" Sevastopol Contr: (OC)
8494.7	MX	Mode: CW Date/time: 25-11-2010, 2249 UTC Beacon "D" Sevastopol Contr: (OC)
8494.8	MX	Mode: CW Date/time: 8-11-2010, 1553 UTC Beacon "D" Odessa/Sevastopol Contr: (MPJ)
8494.9	MX	Mode: CW Date/time: 7-11-2010, 1033 UTC Beacon "S" Severomorsk Contr: (WP3)
8494.9	MX	Mode: CW Date/time: 8-11-2010, 1553 UTC Beacon "S" Severomorsk Contr: (MPJ)
8495	MX	Mode: CW Date/time: 7-11-2010, 1035 UTC Beacon "C" Moscow Contr: (WP3)
8495	MX	Mode: CW Date/time: 8-11-2010, 1553 UTC Beacon "C" Moscow Contr: (MPJ)
8495.1	MX	Mode: CW Date/time: 7-11-2010, 1415 UTC Beacon "A" Astrachan Contr: (WP3)
8495.1	MX	Mode: CW Date/time: 8-11-2010, 1553 UTC Beacon "A" Astrakhan/Baku Contr: (MPJ)
8495.4	MX	Mode: CW Date/time: 7-11-2010, 1416 UTC Beacon "M" Magadan Contr: (WP3)
8495.4	MX	Mode: CW Date/time: 8-11-2010, 1553 UTC Beacon "M" Magadan Contr: (MPJ)
8530	S06s	Mode: AM Date/time: Wed 10-11-2010, 1900 UTC 371-840/5=13494 Contr: (HFD)
8535	S06s	Mode: AM Date/time: Thu 4-11-2010, 1000 UTC

		895 Contr: (HFD)
8535	S06s	Mode: AM Date/time: 18-11-2010, 1000 UTC
		895 403 6 13852 Contr: (FN)
8588.0	XSL	Mode: USB Date/time: Fri 12-11-2010, 1930
		Caught at 1930z. Weak. In progress. //8313 very weak Contr: (BCA)
8588.0	XSL	Mode: USB Date/time: Sat 27-11-2010, 2213 UTC
		Very weak, datalink QRM3 Contr: (SWL1409)
8704.0	XSL	Mode: USB Date/time: Fri 5-11-2010, 2040 UTC
		XSL harmonic. Weak, datalink QRM3 Contr: (SWL1409)
9040.0	V02a	Mode: AM Date/time: Wed 3-11-2010, 0900 UTC
		SSYL atencion: VG sig. Caught late. Contr: (westli)
9063.0	M08a	Mode: CW Date/time: Wed 3-11-2010, 0008 UTC
		Contr: (BCA)
9063.0	M08a	Mode: MCW Date/time: Fri 5-11-2010, 0800 UTC
		5f cut nums: 04711 21522 65242 Weak sig. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 12-11-2010, 0800 UTC
		5f cut nums: 03231 60502 67401 VG sig. up at 0758z. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Wed 17-11-2010, 0800
		5f cut nums: 67482 05042 05501 VG sig. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 19-11-2010, 0800 UTC
		5f cut nums: 46582 16061 46041 VG sig. Unable to determin ID order. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 26-11-2010, 0800 UTC
		5f cut nums: 87832 67771 28262 VG sig. Contr: (westli)
9063.0	V02a	Mode: AM Date/time: Wed 3-11-2010, 0009 UTC
		Contr: (BCA)
9063.0	V02a	Mode: AM Date/time: Wed 3-11-2010, 0900 UTC
		SSYL atencion: 26861 28061 64101 VG sig. Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Sun 7-11-2010, 1000 UTC
		5f cut nums: 32681 13682 84532 VG sig. Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Sun 14-11-2010, 1000
		5f cut nums: 06221 23701 61531 Weak sig. Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Mon 15-11-2010, 1000
		5f cut nums: 40682 61352 84871 Good sig. Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Sun 21-11-2010, 1000
		5f cut nums: 18081 43022 73442 VG sig. Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Mon 29-11-2010, 1000
		5f cut nums: 15781 14512 18231 VG sig. Contr: (westli)
9128	X06	Mode: AM Date/time: 20-11-2010, 1301 UTC
		Mazielka. Sequence: 164253 Contr: (HS2)
9130.0	E10	Mode: USB Date/time: Sat 20-11-2010, 2030 UTC
		Callsign XZI 22 alphanumeric characters repeated twice weak but readable Contr: (Ewok-IT)
9153	V13	Mode: USB Date/time: 3-11-2010, 1005 UTC

		in progress Contr: (rusl)
9153	V26	Mode: USB Date/time: 4-11-2010, 0955 UTC
		in progress Contr: (rusl)
9153	V26	Mode: USB Date/time: 22-11-2010, 1000 UTC
		in progress Contr: (Rusl)
9153	V26	Mode: USB Date/time: 27-11-2010, 0930 UTC
		in progress Contr: (Rusl)
9153	V26	Mode: USB Date/time: 28-11-2010, 1000 UTC
		in progress Contr: (rusl)
9153.0	M08a	Mode: CW Date/time: Wed 3-11-2010, 0007 UTC
		Contr: (BCA)
9153.0	M08a	Mode: MCW Date/time: Wed 3-11-2010, 0700
		5f cut nums: Good sig. Up late IP.
		Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 5-11-2010, 0700 UTC
		5f cut nums: 04711 21522 65242 Good sig.
		Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 12-11-2010, 0700 UTC
		5f cut nums: 03231 60502 67401 VG sig. up at
		0658z. Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 19-11-2010, 0700 UTC
		5f cut nums: Good sig. Up late IP.
		Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Wed 24-11-2010, 0700
		5f cut nums: 78161 Up late IP.
		Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 26-11-2010, 0700 UTC
		5f cut nums: 87832 67771 28262 VG sig. Contr:
		(westli)
9153.0	V26	Mode: USB Date/time: Thu 4-11-2010, 1000
		CCYL. Chinese, mostly 3-fig groups. Weak. Poor
		readability. Contr: (westli)
9176	M12	Mode: CW Date/time: Mon 1-11-2010, 2000 UTC
		257 1 Contr: (HFD)
9176	M12	Mode: CW Date/time: 18-11-2010, 1800 UTC
		257 1 4378 44 22042 Contr: (FN)
9176	M12	Mode: CW Date/time: 18-11-2010, 2000 UTC
		257 1 780 62 35753 Contr: (FN)
9186.0	M12	Mode: CW Date/time: Mon 29-11-2010, 1318 UTC
		(i.p.) ttt ttt Contr: (FMB)
9202.0	E10	Mode: AM Date/time: Sat 6-11-2010, 1430 UTC
		Very good signal. S9 Contr: (PanDR)
9240.0	V02a	Mode: AM Date/time: Wed 17-11-2010, 1000 UTC
		A 71432 51542 15042 Contr: (Jon-FL)
9260	S06s	Mode: AM Date/time: 17-11-2010, 0840 UTC
		328 450 6 67856 Contr: (FN)
9260	S06s	Mode: AM Date/time: Wed 17-11-2010, 0840 UTC
		328-450/6=67856 Contr: (HFD)
9264	M12	Mode: CW Date/time: 18-11-2010, 1920 UTC
		124 1 151 67 93135 Contr: (FN)
9338	M12	Mode: CW Date/time: Fri 5-11-2010, 0700 UTC
		msg Contr: (HFD)
9435	S06s	Mode: AM Date/time: Wed 3-11-2010, 0530 UTC
		153-904/6=47873 Contr: (HFD)
9442.5	M42	Mode: CROWD36 Date/time: 26-11-2010, 1722
		Russian Gov/Intel. Contr: (BCI)
9463	S06	Mode: AM Date/time: 18-11-2010, 1133 UTC

		801 934 56 02801 86401 93160 Contr: (HS2)
9820	E17c	Mode: USB Date/time: 18-11-2010, 0810 UTC
		614 219 5 35878 Contr: (FN)
9820	E17z	Mode: USB Date/time: Thu 4-11-2010, 0810
		674 Contr: (HFD)
9950	S06s	Mode: AM Date/time: Thu 4-11-2010, 1210 UTC
		425 Contr: (HFD)
10171.3	M42	Mode: RUS-ARQ 100/1500/2CH Date/time: 16-11-2010, 0615 UTC
		Russian Gov/Intel. Contr: (BCI)
10217	M42	Mode: RUS-ARQ 100/500 Date/time: 24-11-2010, 0615 UTC
		RUU71: Russian Gov/Intel. Contr: (BCI)
10265	S06s	Mode: AM Date/time: Tue 9-11-2010, 0800 UTC
		352 Contr: (HFD)
10271	M42	Mode: Baudot 200/500 Date/time: 12-11-2010, 0800 UTC
		Russian Gov/Intel. "00000+++++++162)576100000+++++++16205711" Contr: (BCI)
10327	XPA	Mode: AM Date/time: Tue 2-11-2010, 0700 UTC
		msg Contr: (HFD)
10415.5	M42	Mode: CROWD36 Date/time: 12-11-2010, 0941
		Russian Gov/Intel. Contr: (BCI)
10432.0	M08a	Mode: MCW Date/time: Fri 5-11-2010, 0900 UTC
		5f cut nums: 43161 61172 51622 Weak sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 7-11-2010, 0900 UTC
		5f cut nums: 32681 13682 84532 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 8-11-2010, 0900
		5f cut nums: 63072 13512 12211 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 12-11-2010, 0900 UTC
		5f cut nums: 33481 73031 13172 VG sig. up at 0858z. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 14-11-2010, 0900
		5f cut nums: 06221 23701 61531 VG sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 15-11-2010, 0900
		5f cut nums: 40682 61352 84871 Good sig. QRM - data sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 19-11-2010, 0900 UTC
		5f cut nums: 40052 87691 27151 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 21-11-2010, 0900
		5f cut nums: 18081 43022 73442 Very weak sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 22-11-2010, 0900
		5f cut nums: Up late IP. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 28-11-2010, 0900
		5f cut nums: 87882 86862 68652 VG sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 29-11-2010, 0900
		5f cut nums: 15781 14512 18231 VG sig. Contr: (westli)
10480	S06s	Mode: AM Date/time: Thu 4-11-2010, 1010 UTC
		895 Contr: (HFD)
10480	S06s	Mode: AM Date/time: 18-11-2010, 1010 UTC

		895 403 6 13852 Contr: (FN)
10522.0	V13	Mode: USB Date/time: Mon 1-11-2010, 1200 UTC CCYL New Star #4. Msg set: 10-1. Weak. Poor readability. Contr: (westli)
10580	S06s	Mode: AM Date/time: Thu 4-11-2010, 1200 UTC 425-870/6=56934 Contr: (HFD)
10635	S06s	Mode: AM Date/time: Mon 1-11-2010, 1310 UTC 831 Contr: (HFD)
10648	E10	Mode: AM Date/time: 8-11-2010, 1323 UTC 1323: YHF2 1329: YHF2 1332: YHF2. Nothing heard on the other freqs. Contr: (AB)
10648	E10	Mode: AM Date/time: 8-11-2010, 1402 UTC YHF2. Nothing on the other freqs. No trace of PCD. Contr: (AB)
10648	E10	Mode: AM Date/time: 14-11-2010, 1200 UTC YHF2 Contr: (HS2)
10804.5	M42	Mode: CROWD36 Date/time: 9-11-2010, 1453 Russian Gov/Intel. Contr: (BCI)
10857.0	M08a	Mode: CW Date/time: Wed 3-11-2010, 1400 UTC 5f cut nums: 53061 70121 04571 VG sig. Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 17-11-2010, 1400 UTC 5f cut nums: 52371 36201 51651 Good sig. Contr: (westli)
10871.7	MX	Mode: CW Date/time: 23-11-2010, 1616 UTC Beacon "D" Contr: (norave)
10871.7	MX	Mode: CW Date/time: 25-11-2010, 2251 UTC Beacon "D" Sevastopol Contr: (OC)
10871.9	MX	Mode: CW Date/time: 23-11-2010, 1616 UTC Beacon "S" Contr: (norave)
10871.9	MX	Mode: CW Date/time: 24-11-2010, 1207 UTC Beacon "S" Sevoromorsk Contr: (OC)
10872	MX	Mode: CW Date/time: 2-11-2010, 1032 UTC Cluster beacon "C" MOSCOW Contr: (OC)
10872	MX	Mode: CW Date/time: 2-11-2010, 1602 UTC Cluster beacon "C" MOSCOW Contr: (OC)
10872	MX	Mode: CW Date/time: 3-11-2010, 1540 UTC Beacon "C" Moscow 1540 CW A-Astrakhan/Baku 10872.1. (03Nov10) Contr: (MPJ)
10872	MX	Mode: CW Date/time: 23-11-2010, 1616 UTC Beacon "C" Contr: (norave)
10872	MX	Mode: CW Date/time: 24-11-2010, 1207 UTC Beacon "C" Moscow Contr: (OC)
10872	MX	Mode: CW Date/time: 25-11-2010, 1104 UTC Beacon "C" Moscow Contr: (OC)
10872.1	MX	Mode: CW Date/time: 2-11-2010, 1602 UTC Cluster beacon "A" ASTRAKHAN Contr: (OC)
10872.1	MX	Mode: CW Date/time: 3-11-2010, 1540 UTC Beacon "A" Astrakhan/Baku Contr: (MPJ)
10934.7	M42	Mode: RUS-ARQ 100/140 Date/time: 12-11- Russian Gov/Intel. Contr: (BCI)
11075	S06s	Mode: AM Date/time: Wed 3-11-2010, 0540 UTC 153 Contr: (HFD)
11170	E17c	Mode: USB Date/time: 18-11-2010, 0800 UTC 614 219 5 35878 Contr: (FN)
11170	E17z	Mode: USB Date/time: Thu 4-11-2010, 0800 674-280/5=51493 Contr: (HFD)

11415	S06s	Mode: AM Date/time: Wed 17-11-2010, 0850 UTC 328 Contr: (HFD)
11415	S06s	Mode: AM Date/time: 17-11-2010, 0850 UTC 328 450 6 67856 Contr: (FN)
11627	XPA	Mode: AM Date/time: Tue 2-11-2010, 0720 UTC msg Contr: (HFD)
11780	S06s	Mode: AM Date/time: 19-11-2010, 0930 UTC 516 429 7 52262 Contr: (FN)
11780	S06s	Mode: AM Date/time: Fri 19-11-2010, 0930 UTC 516 Contr: (HFD)
11780	S06s	Mode: AM Date/time: 26-11-2010, 0930 UTC 16 429 7 52262 Contr: (FN)
11830	S06s	Mode: AM Date/time: Wed 17-11-2010, 0840 UTC 745 Contr: (HFD)
12134.0	M08a	Mode: CW Date/time: Mon 22-11-2010, 1400 UTC 5f cut nums: 53062 17721 06372 Good sig. Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Mon 29-11-2010, 1400 UTC 5f cut nums: 43822 82082 47721 Weak sig. Missed ID sending order. Contr: (westli)
12180.0	M08a	Mode: MCW Date/time: Thu 18-11-2010, 1900 5f cut nums: 33821 30471 81752 Very weak sig. Contr: (westli)
12180.0	M08a	Mode: MCW Date/time: Tue 23-11-2010, 1900 5f cut nums: 26571 72422 43781 Good sig. periodically interrupted by V2a. Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Tue 2-11-2010, 1900 UTC SSYL atencion: 62322 88752 86452 Weak sig. Contr: (westli)
12180.0	V02a	Mode: LSB Date/time: Thu 11-11-2010, 1900 SSYL: Weak sig. Caught late. Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Tue 23-11-2010, 1900 SSYL atencion: 40082 44871 67041 Weak sig. Cuts into M8a. Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Thu 25-11-2010, 1900 SSYL atencion: 53842 74411 77122 Weak sig. QRM4 Contr: (westli)
12193	M12	Mode: CW Date/time: 5-11-2010, 1445 UTC in progress, ends 1448z Contr: (FN)
12195.5	M42	Mode: CROWD36 Date/time: 12-11-2010, 0917 Russian Gov/Intel. Contr: (BCI)
12209	M42	Mode: Baudot 200/500 Date/time: 29-10-2010, Russian Gov/Intel. "00000+++++++162)5761 00000+++++++162)5761" Contr: (BCI)
12224	X06	Mode: AM Date/time: 30-11-2010, 0617 UTC Mazielka Contr: (EW)
12365	S06	Mode: AM Date/time: 24-11-2010, 1001 UTC in progress Contr: (BCI)
12365	S06s	Mode: AM Date/time: 3-11-2010, 1000 UTC 729 863 5 85271 75855 41555 86483 11290 Contr: (HS2)
12365	S06s	Mode: AM Date/time: Wed 17-11-2010, 1000 UTC 729 Contr: (HFD)
12365	S06s	Mode: AM Date/time: 17-11-2010, 1000 UTC 729 453 6 94074 Contr: (FN)
12570	S06s	Mode: AM Date/time: Fri 12-11-2010, 0940 UTC

12570	S06s	516-284/7=83453 Contr: (HFD) Mode: AM Date/time: Fri 19-11-2010, 0940 UTC
12570	S06s	516-429/7=52252 Contr: (HFD) Mode: AM Date/time: 19-11-2010, 0940 UTC
12570	S06s	516 429 7 52262 Contr: (FN) Mode: AM Date/time: 26-11-2010, 0940 UTC
12952	S06s	516 429 7 52262 Contr: (FN) Mode: AM Date/time: 18-11-2010, 0900 UTC
12952	S06s	167 439 50340 Contr: (FN) Mode: AM Date/time: 18-11-2010, 0900 UTC
12952	S06s	167 439 5 03405 41956 93855 58816 05123 Contr: (HS2)
12952	S06s	Mode: AM Date/time: Thu 18-11-2010, 0900 167-439/5=50340 Contr: (HFD)
13373	M08a	Mode: CW Date/time: 5-11-2010, 1423 UTC Cuban cut numbers Contr: (DSch)
13380	V02a	Mode: LSB Date/time: 23-11-2010, 2039 UTC in progress. I triple checked the mode Contr: (Vambo)
13380.0	V02a	Mode: AM Date/time: Tue 2-11-2010, 2000 UTC SSYL: Weak sig. Up late IP. Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 0020 UTC Atencion 35312 72081 14671 Contr: (Cam)
13380.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 0020 UTC Atencion SS YL 5F 35312 72081 14671 Contr: (Cam)
13380.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 2000 UTC Atencion SS YL 5F 35312 72081 14671 Contr: (Cam)
13380.0	V02a	Mode: AM Date/time: Thu 4-11-2010, 2000 UTC SSYL atencion: 35312 72081 14671 Weak sig. QRM4 Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Wed 10-11-2010, 2000 UTC Poor signal (S2) with QRN. Weak and barely readable. MC. CIP. A3E Contr: (BCA)
13380.0	V02a	Mode: LSB Date/time: Thu 11-11-2010, 2000 SSYL atencion: 07562 32801 58282 Good sig. LSB. Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Tue 16-11-2010, 2000 Atencion 34381 Moderate signal (S4) with QRN. MC. CIP. A3E Contr: (BCA)
13380.0	V02a	Mode: AM Date/time: Tue 16-11-2010, 2000 V2a SSYL: Weak sig. Up late IP. QRM Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 18-11-2010, 2000 SSYL atencion: 06272 58512 54082 Weak sig. QRM/N Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 25-11-2010, 2000 SSYL atencion: 53842 74401 77122 Good sig. QRM3 Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 25-11-2010, 2000 Atencion ????? 77122. Weak S3 sig. Last message 21 minutes. MC. CIP 2018z. Contr: (BCA)
13427	XPA	Mode: AM Date/time: Tue 2-11-2010, 0740 UTC msg Contr: (HFD)
13459.5	M42	Mode: CROWD36 Date/time: 11-11-2010, 0805

13474.5	M42	Russian Gov/Intel. Contr: (BCI) Mode: CROWD36 Date/time: 11-11-2010, 0754 Russian Gov/Intel. Contr: (BCI)
13499.5	M42	Mode: RUS-ARQ 100/140 Date/time: 11-11- Russian Gov/Intel. Contr: (BCI)
13527.7	MX	Mode: CW Date/time: 23-11-2010, 1426 UTC Beacon "D" Contr: (norave)
13528	MX	Mode: CW Date/time: 2-11-2010, 1035 UTC Cluster beacon "C" MOSCOW Contr: (OC)
13528	MX	Mode: CW Date/time: 23-11-2010, 1426 UTC Beacon "C" Contr: (norave)
13528	MX	Mode: CW Date/time: 25-11-2010, 1105 UTC Beacon "C" Moscow Contr: (OC)
13565	S06s	Mode: AM Date/time: 18-11-2010, 0910 UTC 167 439 50340 Contr: (FN)
13565	S06s	Mode: AM Date/time: Thu 18-11-2010, 0910 167 Contr: (HFD)
13573	M12	Mode: CW Date/time: 14-11-2010, 1320 UTC 541 541 541 000 Contr: (PPA)
13909.5	M42	Mode: RUS-ARQ 100/140 Date/time: 11-11- Russian Gov/Intel. Contr: (BCI)
14280	S06s	Mode: AM Date/time: 3-11-2010, 1010 UTC 729 863 5 85271 75855 41555 86483 11290 Contr: (HS2)
14280	S06s	Mode: AM Date/time: Wed 17-11-2010, 1010 UTC 729 Contr: (HFD)
14280	S06s	Mode: AM Date/time: 17-11-2010, 1010 UTC 729 453 6 94074 Contr: (FN)
14432	M42	Mode: Baudot 200/500 Date/time: 12-11-2010, Russian Gov/Intel. "00000+++++++162)5761 00000+++++++162)5761" Contr: (BCI)
14573	M12	Mode: CW Date/time: 14-11-2010, 1300 UTC 541 541 541 000 Contr: (PPA)
14630.5	M42	Mode: CROWD36 Date/time: 15-11-2010, 1436 Russian Gov/Intel. Contr: (BCI)
15750.5	M42	Mode: CROWD36 Date/time: 25-11-2010, 0903 Russian Gov/Intel. Contr: (BCI)
16107.5	M42	Mode: CROWD36 Date/time: 5-11-2020, 1239 Russian Gov/Intel. In progress Contr: (WP3)
16145	S06	Mode: AM Date/time: 23-11-2010, 0557 UTC "CITIRIA TRE VOCEM" Contr: (BCI)
16331.7	MX	Mode: CW Date/time: 2-11-2010, 1107 UTC Cluster beacon "D" SEVASTOPOL Contr: (OC)
16331.7	MX	Mode: CW Date/time: 5-11-2010, 1340 UTC Slow auto CW either sending a "D" Sevastopol Contr: (DSch)
16331.9	MX	Mode: CW Date/time: 2-11-2010, 1035 UTC Cluster beacon "S" SEVEROMORSK Contr: (OC)
16331.9	MX	Mode: CW Date/time: 5-11-2010, 1340 UTC Beacon "S" Sevoromorsk Contr: (DSch)
16332	MX	Mode: CW Date/time: 2-11-2010, 1109 UTC Cluster beacon "C" MOSCOW Contr: (OC)
16332	MX	Mode: CW Date/time: 25-11-2010, 1106 UTC Beacon "C" Moscow Contr: (OC)
17462	M42	Mode: Baudot 200/500 Date/time: 25-11-2010, Russian Gov/Intel. "8932788530/392760 =8892 519326147736216145=8593" Contr: (BCI)

18149.5	M42	Mode: RUS-ARQ 100/2000 Date/time: 19-11-Russian Gov/Intel. Contr: (BCI)
20047.7	MX	Mode: CW Date/time: 2-11-2010, 1115 UTC Cluster beacon "D" SEVASTOPOL Contr: (OC)
20047.7	MX	Mode: CW Date/time: 24-11-2010, 1211 UTC Beacon "D" Sevastopol Contr: (OC)
20047.7	MX	Mode: CW Date/time: 25-11-2010, 1236 UTC Beacon "D" Sevastopol Contr: (OC)
20047.9	MX	Mode: CW Date/time: 2-11-2010, 1038 UTC Cluster beacon "S" SEVEROMORSK Contr: (OC)
20047.9	MX	Mode: CW Date/time: 24-11-2010, 1211 UTC Beacon "S" Sevoromorsk Contr: (OC)
20047.9	MX	Mode: CW Date/time: 25-11-2010, 1236 UTC Beacon "S" Sevoromorsk Contr: (OC)
20048	MX	Mode: CW Date/time: 24-11-2010, 1211 UTC Beacon "C" Moscow Contr: (OC)
20048	MX	Mode: CW Date/time: 25-11-2010, 1120 UTC Beacon "C" Moscow Contr: (OC)
20118	M42	Mode: Baudot 200/500 Date/time: 23-11-2010, Russian Gov/Intel. "702116285609399148=8542423335120256990148=8383" Contr: (BCI)
23000	M42	Mode: RUS-ARQ 100/140 Date/time: 12-11-2010 Russian Gov/Intel. Contr: (BCI)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-FL	Ary Boender via Ary Boender via GlobalTuners, FL, USA
AB-GRC	Ary Boender, via GlobalTuners Greece
AB-HK	Ary Boender via GlobalTuners Hong Kong
AB-IT	Ary Boender via GlobalTuners Italy
AB-RUS	Ary Boender via relay in N . Russia
ALF	Alf, Germany
AnNYC	Anonymous, New York City
AtB	Attu Bosch, AK, USA
BCA	Brandon, CA, USA
BCI	Bruno Casula, Italy
Ben	Bengerri, Italy
BvR	Bert van Rij, Netherlands
CAM	Cam, Panama
CU	Centrepont, UK
DSch	Don Schimmel, USA
DTS	DTS, NC, USA
EiBi	EiBi, Germany
EW	Eddy Waters, Australia
Ewok-IT	Ewok via Italy
Ewok-NL	Ewok via the Netherlands
FBA	F4LKC Franck, France
FMB	FMB, Germany
FN	Fritz Nusser, Switzerland
GC	Greg Cobalt, AK, USA
GOT	Graham, Ottawa, CAN
HFD	Hans-Friedrich Dumrese, Germany
HS2	Hans Snekvik, W. Europe

IP-SE	Ivellios Paranormali, Sweden (remote)
Jon-FL	Jon, FL, USA
JPL-HK	JPL via GlobalTuners Hong Kong
JPL-SVK	JPL via GlobalTuners Slovakia
K5KNT	K5KNT, TX, USA
KK2	Kristian K, Central Europe
linkz	Linkz, S.E. France
Lupo	Lupo Alberto, W. Europe
MPJ	Jim, SW England
MUK	Mikesndbs, UK
Norave	Norave (GFD)
OC	Old Crow, UK
OE	Observed Echoes
PanDR	PanDR48, Sweden
PPA	Peter Poelstra, Netherlands
Ranger	ranger, UT, USA
Rec	Recette
RSCa	Rob Smith, Canada
RSRu	Radioscanner Russia
rusl	Russell, Australia
SW2	Sam Wright, UK
SWL1409	SWL 1409, France
TFN	TFN
TI	Tomonori Izumi, Japan
TJ	Trond Jacobsen, Norway
Token	T!, CA, USA
TW3	The Web, FL, USA
Vambo	Vambo, CO, USA
Westli	Westli, CA, USA
WP3	Wolfgang Palmberger
WWP	WelnWornPapers

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