

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	76
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	59
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	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
976	87698	69876	87698	69876	87612	12341	34867	86798	632
967	43298	65656	56756	56123	32143	14321	32143	14321	321
71	02787	58765	76587	58765	76587	58765	76587	58756	765
75475	26547	54365	36543	54365	36543	54365	36543	54365	543

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

*Edition #163, April 2011*

Editor: Ary Boender email: [ary@luna.nl](mailto: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>

Hello all. I received sad news via Martin Schöch. He informed me that Mathias Kropf passed away on April 1<sup>st</sup>. Mathias was the editor of the Clandestine column in "Contact", the club magazine of the World DX Club. He was also the author of "The Clandestine Broadcasting Directory" (1994) and the "Clandestine-Handbuch des politischen Untergrundrundfunks" (1987). It was this booklet that prompted me to start listening to Clandestine Radio Stations. Mathias' annual "Clandestine Activity Survey" was published in many hobby related magazines, amongst others in the former WUN newsletter and in Numbers & Oddities.

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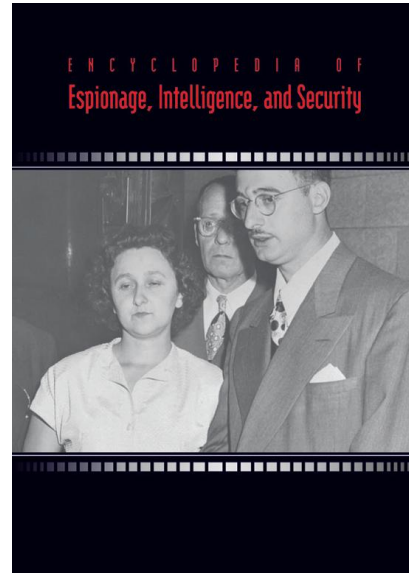
David asked me if I could recommend a generic espionage encyclopedia. Well David, there are many books that cover the world of espionage. Most of them cover only one country or one agency. Good generic books are:

- Spy Book: The Encyclopedia of Espionage (ISBN 0375720251)
- Hidden Secrets: The Complete History of Espionage and the Technology Used to Support It (ISBN 1861553463)
- The Guinness Book Of Espionage (ISBN 0306805847)

Another interesting one is the "Encyclopedia of Espionage, Intelligence, and Security", edited by K. Lee Lerner and Brenda Wilmoth Lerner. The encyclopedia consists of 3 volumes, a total of 1,321 pages.

The encyclopedia was already published in 2004, so it is not very recent. It is also available as e-book.

Hard cover: ISBN 0-7876-7686-1 (v. 1)  
ISBN 0-7876-7687-X (v. 2)  
ISBN 0-7876-7688-8 (v. 3)  
e-Book: ISBN 0-7876-7762-0



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## VOICE STATIONS

### E10 - Israeli Intelligence



This is possibly the last time that I cover E10 here. As you know the station closed down per March 1<sup>st</sup>. The demise of E10 already started in April 2007 when it stopped transmitting the well-known strings. The strings were the most interesting part of E10's transmissions, as far as I am concerned. Therefore, as a farewell to E10, I have compiled the callsigns, suffixes and strings that I have heard over the years.

The purpose of the strings is still a mystery. There are theories that state that the strings include coded frequencies and times. Sometimes the messages indeed included time information like in these two strings: VLBA002Z8M1900 changed to VLB at 1900 UTC and VLBA002Z8M2030 changed at 2030 UTC to VLB8M like indicated in the string. This theory does however not apply to most of the strings.

The most interesting one was the string that was sent on 3273//5339 kHz, 15-3-2006, 1810 UTC. Was it a joke, intended to fool dxers like us, or was really intended for its professional audience. We will never know that, I am afraid. In any case it was the first clear text message that was ever transmitted by the station. KPA G1O2O3D4N5I6G7H8T. If you remove the numbers, the message reads "GOODNIGHT". Funny huh?

## Here is my list of strings, callsigns and suffixes:

ABC	KPA1SDJN	SYN5425
ABC2	KPA2	SYN56
ABC3	KPA201	SYN59
ART	KPA202	SYN6
ART1	KPA20D	SYN66
ART2	KPA20MN	SYN6POK
BAY	KPA21ZKIMD	SYN7
CIO	KPA22	SYN70
CIO0A	KPA23	SYN72
CIO10	KPA23CZ44	SYN75
CIO10Z2	KPA26L53	SYN7Z6
CIO11266073022	KPA2Z3B	SYN81
CIO16L12	KPA30Z10Q18201	SYN90124
CIO18Z2	KPA50L10Z2	SYN92Z5Z21005B55
CIO1R10	KPA50L11	SYNA1Z2ZB132
CIO1R15	KPA50L13Z20D	SYNA41050700
CIO1	KPA50L14Z20D	SYNA69Z1103Z1100B10Z0303Z1500
CIO2	KPA50L15Z20D	SYNA69Z43Z07042000B14Z1Z0602Z2000
CIO25	KPA50L21Z2	SYNF49G12K78
CIO25Z23	KPA50L22Z20D	SYNM2
CIO2BVT02	KPA50L8	SYNNR1ZEA29
CIO2Z23	KPA50L9Z59	SYNNR2ZEAG
CIO2Z92	KPA55Z789	SYNNR2ZEC5
CIO30	KPA59	SYNOK2
CIO33F46P14L1388	KPA59Z20D	SYNRDJNM
CIO3AZ2	KPA5KL22Z2KD	SYNSE
CIO4	KPA6	THF (error, should be YHF)
CIO42014	KPA62	TMS
CIO42127	KPA6K	TMS2
CIO4C9QPO	KPA78Z65Z0030	ULX
CIO53	KPA79	ULX1
CIO6	KPA8	ULX2
CIO60	KPAA1930Z2200Z99B1945Z2215Z98	ULX3
CIO65T1	KPAA46Z2215B65Z2100	VLB
CIO66	KPAA67T2R2	VLB1
CIO8	KPAC58D5	VLB10
CIO88	KPAE88Z11600K42211630	VLB103
CIO97Z6	KPAG1O2O3D4N5I6G7H8T	VLB110
CIO98356	KPAK93Z33E28Z12Z1645	VLB12
CIOA2M2C4	KPAQNG7	VLB14B11
CIOA32Z0704Z2030B22Z666Z05021600	KPAZHAZ0905Z2050	VLB14B88
CIOA8B63	MIW	VLB15P36L44F1666
CIOADF893Z645ZB	MIW1	VLB16
CIOB33L25	MIW18D16F44	VLB16R54B28D1399
CIOB33L25	MIW2	VLB181
CIOD141112C39	MIW2166Z41	VLB18L36T46
CIOD14M12C39	MIW22	VLB18P14L36R52
CIOG27H14R19	MIW22B16P56	VLB18P46B55
CIOK12P8	MIW23	VLB19D14
CIOK160045P50045	MIW3AZ2	VLB2
CIO112	MIW52	VLB20A
CIOM200	MIW56L44T26	VLB22
CIONR1Z140040ZA290105	MIW6	VLB25
CIOR1439G45	MIW61Z18Z82Z071100	VLB2A55B16C25
CLOT145Z0900Z21	MIW63	VLB2R55288461260715F100T19K100Z77260715461
CIOX2	MIW8	VLB2Z77
CIOZ	MIW86	VLB3
CIOZ9XSPH	MIWA10B11C10	VLB30
CLX2	MIWA1930Z2200Z99B1945Z2215Z98	VLB31
COE	MIWA2B20	VLB50
ELB	MIWA46Z2215B65Z2100	VLB52A
ELB2	MIWA85Z2200930B23Z2200900C43Z2200900	VLB542X118X0115Z7
EZI	MIWA93B66	VLB54B26F26T5812
EZI1	MIWA9B10C9	VLB55
EZI2	MIWAQ8NAD	VLB6
FDU	MIWATD	VLB6H8B
FDU1	MIWE14A292015	VLB7
FDU2	MIWE2	VLB8
FDU4	MIWE8	VLB8M
FDU5	MIWS4A41808ZE8	VLB9
FDU7	MIWT1C1	VLB91
FDU8	MIWTMX1504	VLB95Z16Z1900
FDUA	NDP	VLBA002

FDUK	OEM	VLBA002Z8M1900
FDUL	PCD	VLBA002Z8M2030
FDUM	PCD1	VLBA13Z03011100B3213011400C55Z2802Z1600
FTJ	PCD2	VLBA1Z2B8Z2
FTJ1	ROV	VLBA2B376Z987C2
FTJ2	ROV5	VLBA3602051800B8285682051930C55
FTJ9	ROVE	VLBA987Z765B345Z66C78Z1234
GBZ	ROVG	VLBAK1Z2B122C1
GPO	ROVH	VLBB202
HNC	ROVS	VLBC2
HNC1	SYN	VLBG11071500
HNC6	SYN1	VLBH13KUF
HNC8	SYN13161915	VLBL11081400S3081700Q11081530
HNC9	SYN162212	VLBN11071000
HNCB	SYN175515	VLBN3Z132
HNCF	SYN10Z2	VLBO69081600Y56081800
HNCG	SYN2	VLBR
HNCJ	SYN24	VLBR11080830D5081400
HNCM	SYN26P15B38	VLBSE
HNCs	SYN26T15P12D38	VLBT16R23B22
HNCU	SYN2Z55	VLBTMX1504
HNCZ	SYN2Z58	VLD
KOA	SYN2Z59	YHF
KPA	SYN33	YHF1
KPA0146EHJFG	SYN3AZ2	YHF2
KPA1	SYN541B	ZWL

## **S28 - The Buzzer (UVB-76 / MDZhB)**



Finally the list of equipment of the former UZB-76 site near Povarovo has been posted to [www.4turista.ru](http://www.4turista.ru). The map shows the equipment that was being used by the station on the former the Povarovo site. Rimantas was so kind to forward and translate it.

Transmitters	Range	Power	
2x Purga	5-30 MHz	90 kW	
6x PTP-20	3-30 MHz	20 kW	(one was possibly operated on 4625 kHz as main transmitter)
10x PKM-5	3-30 MHz	5 kW	(one was possibly operated on 4625 kHz as backup transmitter)
2x Polius-5	1.5-30 MHz	1 kW	
2x R-137	20-60 MHz	1 kW	
Antennas	Type	Receivers	
19x RGD	Rhombic	1x R-155A	
14x VGDSH	Dipole	2x R-155U	
2x OV-2	?	2x R-160P	
2x AK10x20	Switch		

Here is a selection of April's messages as submitted by various UDXF-members and two that I found on the internet. 7 and 21 April were very busy days for the station.

Note: Parasitic transmissions were noted on 4670 kHz and a harmonic on 9250 kHz.

05-04	1548	MDZhB MDZhB 28 629 Gladak 03 70 98 87
07-04		Female voice.
	1011	MDZhB MDZhB 34 773 Blagochinije 30 92 30 20 Glasis 62 13 39 83
	1015	MDZhB MDZhB 08 497 Slanec 95 50 91 63
	1048	MDZhB MDZhB 76 831 Slavilshchik 33 84 63 13
	1113	MDZhB MDZhB 17 814 Flavanon 35 02 69 13
	1114	MDZhB MDZhB 03 144 Akusherskyj 79 17 00 47 Skutozavr 81 72 80 08 Lisokhvost 98 59 36 63
	1123	MDZhB MDZhB 44 819 Visliatka 18 64 90 39
	1218	MDZhB MDZhB 50 102 Biriuzovyj 45 81 75 54
	1231	MDZhB MDZhB 47 748 Birukha 65 71 18 45
	1316	MDZhB MDZhB 06 094 Zhiropot 53 47 47 57
	1239	MDZhB MDZhB 20 765 Akrostik 42 03 75 07
	1245	V6BY V6BY 00 262 21 943 Skosok 95 77 57 66 83
	????	V6BY V6BY 21 943 SKOSOK 95 77 57 66 83
10-04	1110	Female voice. MDZhB MDZhB 13 945 Ikonometr 12 26 00 05 Ikonnyj 96 96 38 79
	1112	Female voice. Note the differences in the repeated messages. MDZhB MDZhB <b>12</b> 028 Okomeliuk 10 78 56 72 <u>Repeat:</u> MDZhB MDZhB <b>13</b> 028 Okomeliuk 10 78 56 72
	1254	Female voice. MDZhB MDZhB 53 093 Akmit 00 <b>44</b> 72 60 <u>Repeat:</u> MDZhB MDZhB 53 093 Akmit 00 <b>29</b> 72 60
11-04	1322	Female voice. MDZhB MDZhB 13 059 Sklonnyj 67 07 10 53
13-04	1352	Male voice. MDZhB MDZhB 17 090 Skislyj 33 43 52 39
19-04	1338	Female voice. MDZhB MDZhB 51 332 Akvantinta 42 65 09 33
21-04		Male voice.
	0614	MDZhB MDZhB 47 898 Skafa 26 46 94 84
	0616	MDZhB MDZhB 81 027 Skalochnyj 11 73 86 88
	0912	MDZhB unreadable
	0918	MDZhB unreadable
	0922	MDZhB MDZhB 93 719 Yukagir 59 80 02 23
	1151	MDZhB MDZhB 71 402 Khishchenie 31 17 50 98 The message is repeated without MDZhB. The reader then says “oi oi oi” and repeats the message correctly. Recording on the N&O website.
	1234	MDZhB MDZhB 13 065 Vichovka 33 65 69 53
	1240	MDZhB MDZhB 45 226 Bicullin 89 49 24 54
	1251	MDZhB MDZhB 98 871 Bica 56 73 49 73
	1301	MDZhB MDZhB 91 390 Chikhota 58 00 46 81
	1411	MDZhB MDZhB 91 390 Bikhord 56 49 27 33 In the background you can hear another station in this net that was reading the same message. The operator spelled the letter “i” as “Irina” instead of “Ivan”. You can find the recording on the N&O website.

22-04	1315	Female voice. MDZhB MDZhB 96 491 Dihlorofos 97 08 01 36
26-04	1401	Female voice. MDZhB MDZhB 76 497 ZhITO 14 19 92 56
27-04		Female voice.
	1228	MDZhB MDZhB 45 004 Ristalishche 31 97 24 58
	1247	MDZhB MDZhB 85 437 Algin 36 31 74 60
	1332	MDZhB MDZhB 84 905 Flor 22 96 59 34
29-04	0942	Male voice. MDZhB MDZhB 34 511 Zllananin 23 44 10 35

### **S30 – The Pip**



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

### **S32 – Squeaky Wheel**



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

### **V13 – New Star Broadcasting Station**

星星廣播電台 Xīngxīng guǎngbò diàntái



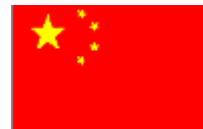
Frequency since 1 April: 9725 kHz  
Schedules at 0500, 0600, 1200, 1300 UTC.

### **V26**



13092 kHz, 1048 UTC, 06-04  
9153 kHz, 1343 UTC, 25-04

## **VC01 – Chinese Robot**



4410 kHz, 06-4, 1137 UTC  
4410 kHz, 09-4, 1039, 1557, 1733 UTC  
4410 kHz, 13-4, 1823 UTC  
4410 kHz, 14-4, 1454, 1622 UTC  
4410 kHz, 16-4, 1121, 1458, 1610 UTC  
4410 kHz, 18-4, 1241, 1354 UTC  
4410 kHz, 19-4, 2029 UTC  
4410 kHz, 22-4, 1830 UTC  
4410 kHz, 23-4, 0929, 1706 UTC  
4410 kHz, 25-4, 1324, 1658 UTC  
4410 kHz, 28-4, 1936 UTC  
4410 kHz, 30-4, 1435, 1611, 2127 UTC

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

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## **VTN**

VTN has daily transmissions on 10255 kHz USB at 1600 UTC.

10255 kHz, 1600 UTC, 09-04: Female reading “Sơn Ca gọi Hải Đăng năm hai năm ba” followed by a message. Repeated at 1607 and 1613 UTC.

10255 kHz, 1600 UTC, 15-04: Vietnamese numbers, 5FGs. Repeated at 1607 and 1615 UTC.

10255 kHz, 1600 UTC, 19-04: Vietnamese numbers, 5FGs. Repeated at 1607 and 1614 UTC.

10255 kHz, 1600 UTC, 26-04: Vietnamese numbers, 5FGs. Repeated at 1607 and 1615 UTC.

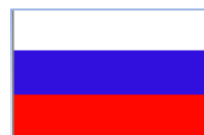
10255 kHz, 1600 UTC, 29-04: Vietnamese numbers, 5FGs. Repeated at 1607 and 1615 UTC.

10255 kHz, 1600 UTC, 30-04: Vietnamese numbers, 5FGs. Repeated at 1607 and 1615 UTC.

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## **MORSE STATIONS**

### **MX - Russian Military beacons**



Reported beacons on various cluster frequencies:

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

Asian Cluster Beacons: F, K, M

Other beacons:

R – 4325.9 kHz

V – 4150, 4392 kHz

## M18



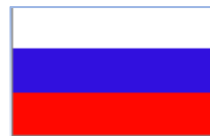
M18 is back on 4073 kHz. Heard with various offsets. Probably servicing more than one time zone. The time is a couple of minutes off.

1827 UTC, 07-04: 0234 0234 0234 etc.	7 minutes fast. Time: UTC+8
2150 UTC, 08-04: 0152 0153 0154 etc.	2 minutes fast. Time: UTC+4
2113 UTC, 11-04: 0116 0117 0118 etc.	3 minutes fast. Time: UTC+4
2120 UTC, 13-04: 0125 0126 0127 0128 etc.	5 minutes fast. Time: UTC+4
2342 UTC, 17-04: 0247 0248 0249 etc.	5 minutes fast. Time: UTC+4
2058 UTC, 20-04: 0103 0104 0105 etc.	5 minutes fast. Time: UTC+4

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## M21

*Russian Air Defence Forces*  
*Voyska Protivo Vozdushnoy Oborony*  
*Во́йска ПВО Voyska PVO*



Id "9": 7794 kHz

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## M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k	4860, 6840, 10640 kHz
V MB3R MB3R MB3R DE YA6X YA6X	5488 kHz
V QPZM QPZM QPZM DE WOXN WOXN	3327, 4523, 5310, 7833 kHz
V JA3L JA3L JA3L DE UN2T UN2T	4532 kHz
V 7NPE 7NPE 7NPE DE QV5B QV5B	4225, 5500, 7582, 8110 kHz
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	7602 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	3297 kHz
V 9VUP 9VUP 9VUP DE JR5U JR5U	4592 kHz

### Sample messages.

Note: the station uses long zeros instead of T=0

UGT COMM BT 654/5448/5868/04/04/2210/813/B/81/10 AR (x3)

UGT COMM BT 5401/0650/z14/3893 AR (x2)

UGT COMM BT 654/5548/5868/04/07/2210/817/B/85/10 AR (x3)



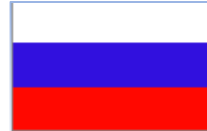
UGT COMM BT 654/5325/5868/04/08/0310/888/A/84/10 AR (x3)

UGT COMM BT 654/5588/5868/04/09/0150/817/B/80/10 AR (x3)

UGT COMM BT 5177/0910/G27/3893 AR (x2)

## VARIOUS MODES

### M42 & X06 - Russian Government / Intelligence



#### *X06 Logging fortnight*

The combined UDXF/Enigma 2000 search for X06 resulted in the following logs:

14655	0747	21-3-2011	Mon	Mazielka
9450	0757	21-3-2011	Mon	Mazielka. Sequence: 1---6-
11438	1640	21-3-2011	Mon	Mazielka. Sequence: 532614
14871	0606	22-3-2011	Tue	Mazielka. Sequence: 156234
10202	1636	22-3-2011	Tue	Mazielka. Sequence: 215346
6962	2140	22-3-2011	Tue	Mazielka. Sequence: 164532
12300	0750	23-3-2011	Wed	Mazielka. Sequence: 1-2-3-
11483	0850	23-3-2011	Wed	Mazielka. Sequence: 412356
16116	0900	23-3-2011	Wed	Mazielka. Sequence: 134265
9065	0834	24-3-2011	Thu	Mazielka. Sequence: 561243
11411	1001	24-3-2011	Thu	Mazielka. Sequence: 164532
13300	1217	24-3-2011	Thu	Mazielka. Sequence: 1---6-
11300	1222	24-3-2011	Thu	Mazielka. Sequence: 1---6-
12300	1222	24-3-2011	Thu	Mazielka. Sequence: 1---6-
13300	1222	24-3-2011	Thu	Mazielka. Sequence: 1---6-
14300	1222	24-3-2011	Thu	Mazielka. Sequence: 1---6-
14871	1217	26-3-2011	Sat	Mazielka. Sequence: 156234
8088	0824	28-3-2011	Mon	Mazielka. Sequence: 532614
12300	0728	29-3-2011	Tue	Mazielka. Sequence: 4-----
13300	0731	29-3-2011	Tue	Mazielka. Sequence: 4-----
11300	0732	29-3-2011	Tue	Mazielka. Sequence: 4-----
14300	0733	29-3-2011	Tue	Mazielka. Sequence: 4-----
11300	0838	29-3-2011	Tue	Mazielka. Sequence: 2-----
14655	1047	29-3-2011	Tue	Mazielka. Sequence: 164253
14655	1132	29-3-2011	Tue	Mazielka. Sequence: 164253
14300	1147	29-3-2011	Tue	Mazielka. Sequence: 2
12300	1209	29-3-2011	Tue	Mazielka. Sequence: 4
12120	1437	29-3-2011	Tue	Mazielka. Sequence: 164253
14655	1110	30-3-2011	Wed	Mazielka. Sequence: 164253
12167	1202	30-3-2011	Wed	Mazielka. Sequence: 621543

14655	1211	30-3-2011	Wed	Mazielka. Sequence: 164532
12224	1447	30-3-2011	Wed	Mazielka. Sequence: 463125
9923	1450	30-3-2011	Wed	Mazielka. Sequence: 463125
9105	1501	30-3-2011	Wed	Mazielka. Sequence: 463125
13517	1510	30-3-2011	Wed	Mazielka. Sequence: 463125
14650	0830	1-4-2011	Fri	Mazielka. Sequence: 215346
13961	0832	1-4-2011	Fri	Mazielka. Sequence: 216354
14824	1014	1-4-2011	Fri	Mazielka. Sequence: 625413
14501	1023	1-4-2011	Fri	Mazielka. Sequence: 361245
14871	1032	1-4-2011	Fri	Mazielka. Sequence: 156234
12300	1045	1-4-2011	Fri	Mazielka. Sequence: 1----5
14300	1046	1-4-2011	Fri	Mazielka. Sequence: 1----5
18245	1245	1-4-2011	Fri	Mazielka. Sequence: 231654
14871	1342	1-4-2011	Fri	Mazielka. Sequence: 156234
14650	1413	1-4-2011	Fri	Mazielka. Sequence: 215346
13506	1436	1-4-2011	Fri	Mazielka. Sequence: 164532
13875	1444	1-4-2011	Fri	Mazielka. Sequence: 314365
9300	1503	1-4-2011	Fri	Mazielka. Sequence: 211165
11300	1510	1-4-2011	Fri	Mazielka. Sequence: 211165
9235	1902	1-4-2011	Fri	Mazielka. Sequence: 156234
7527	2004	1-4-2011	Fri	Mazielka. Sequence: 164532
8123	1638	3-4-2011	Sun	Mazielka. Sequence: 1--6--
10161	0725	4-4-2011	Mon	Mazielka. Sequence: 165324

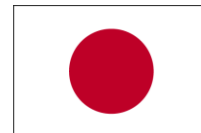
**Other logs:**

14824	1020	01-04	Mazielka. Sequence: 625413
14501	1022	01-04	Mazielka. Sequence: 361245
12199	1540	04-04	Mazielka. Sequence: 532614
13961	1552	04-04	Mazielka. Sequence: 216354
9076	1608	04-04	Mazielka. Sequence: 215346
17455	0712	06-04	Dept of State Comms / MFA, Moscow. Mode: Baudot 100bd/500Hz inv. Message on link 60191. Header: 11101 60191 00000 06009 02505.
17445	0725	06-04	Mazielka. Sequence: 362154
12213	0759	08-04	Mazielka. Sequence: 615243
11556	0830	08-04	Mazielka. Sequence: 615243
14863	0832	08-04	Mazielka. Sequence: 615243
12300	0839	08-04	Mazielka. Single tone. Sequence: 6-----. Tone stopped 0848 UTC, carrier off 0849 UTC
16058	1039	10-04	Mazielka. Sequence: 261453
8500	0729	11-04	Mazielka. Two tone scale. Heard between 0729 and 0833 UTC. Extremely long transmission
14300	0841	11-04	Mazielka. Sequence: 555234
14300	0920	11-04	Mazielka. Sequence: 555234
13517	0952	11-04	Mazielka. Sequence: 463125
15656	1302	11-04	Mazielka. Sequence: 364152
9923	1327	11-04	Mazielka. Sequence: 463125

9923	1331	11-04	Mazielka. Sequence: 463125
13517	1334	11-04	Mazielka. Sequence: 463125
14387.5	1147	15-04	Russian Gov/Intel. Mode: CROWD-36
10401.4	1846	18-04	Russian Gov/Intel. CROWD-36
4498	2142	18-04	Russian Gov/Intel. Mode: RUS-ARQ
7695	0403	19-04	Russian Gov/Intel. "00000+++++++162)5761". Mode: Baudot 200/500
11122	1647	19-04	Russian Gov/Intel. Mode: Baudot 200bd/1000 Hz
8067.4	1936	19-04	Russian Gov/Intel. Mode: CROWD-36
12218	2055	19-04	Russian Gov/Intel. Msg on link 30044. Mode: CROWD-36
13369	1801	20-04	Russian Gov/Intel. Mode: Baudot 200bd/1000 Hz
8068	1922	20-04	Russian Gov/Intel. Mode: CROWD-36
8131	1933	20-04	Mazielka. Sequence: 164532
10210.4	1947	20-04	Russian Gov/Intel. Mode: CROWD-36
10688	1800	21-04	Russian Gov/Intel. Mode: FSK 200bd/1000 Hz
8105	1803	21-04	Mazielka. Sequence: 314265
7993	1810	21-04	Russian Gov/Intel. Mode: FSK 200bd/1000 Hz
9274	1822	21-04	Russian Gov/Intel. Mode: FSK 200bd/1000 Hz
9185	1904	21-04	Russian Gov/Intel. Mode: FSK 200bd/500 Hz
8104	0736	27-04	Mazielka. Sequence: 412356
14630.5	1347	26-04	Russian Gov/Intel. Mode: CROWD-36
10800	1019	27-04	Mazielka. Two tones: 1 4
14650	1413	28-04	Mazielka. Sequence: 215346
13979	1418	28-04	Mazielka. Sequence: 215346
17175	1525	28-04	Mazielka.
10215	2202	28-04	Russian Gov/Intel. Off-line crypto. Mode: Baudot 200bd/500Hz
8168	2216	28-04	Russian Gov/Intel. Off-line crypto. Repeat of 10215 kHz. Mode: Baudot 200bd/500Hz
7733	2221	28-04	Russian Gov/Intel. Off-line crypto. Repeat of 8186 kHz. Mode: Baudot 200bd/500Hz
14643	1203	30-04	Russian Gov/Intel. Repeats "576 1 00000 +++++ +++++ 162" Mode: Baudot 200bd/500Hz

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### **XSL – Japanese Navy a.k.a. “Slot Machine”**



We copied the slot machine on the following frequencies: 4152.5, 4231, 4290.5, 4294.5, 6249.5, 6416.5, 6444.5, 8312.5, 8587.5, 8703.5, 12924, 16553.3 kHz. Mode: 1500Bd QPSK

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## MILITARY STATIONS

### M32 - Russian/CIS/Ukrainian Military SSB & CW Stations



Fritz reports much activity with many Flash Messages on 10683, 12981, 16112 kHz, on 28-4. There might be partly a connection to BSF landing drills in Opuk range and BLACKSEAFOR exercises during this week.

- 3500.5 Russian Navy: RCP wkg RJD56
- 5407.0 CIS Mil: "BT3T DE BMZI"
- 6416.0 Russian Navy: "'=RADIOPRONNAMME 29om4itq" then started mostly zeros then ID  
"=rlo rlo rlo de rit rit rit qtc 73 34 39 0057 973 =radioprognoz"
- 6844.0 Russian Mil: "NCFI ZPK ZRQ ZMN ZKV ZNV ZMB QSU1 QYT4 ZUP ZUP k",  
"OK as", "rk"
- 7041.0 Russian Mil: c/s HCSU, Q5BP, BANJ, M9LF, W14F, WNOU, Q56P, XWR8, OW7Y, 1NYA,  
PQI6, YKK8, 6PV3, CMQ8, WZWR, WK2C, 4CTN, L6SE, OW7Y, KZMQ, SUI3.  
Messages: "435 1921 2302 435 = 173 = 5FGs", "507 1722 2048 507 = ZZR 444 5FGs",  
"939 22 12 1906 939 = 437 5FGs QLN k", "ZOY ZEA ZXP QYT6 K"
- 7054.0 Russian Air Force: REA4
- 7066.0 Russian Mil: SO5S, ADSK
- 7149.0 Russian Mil: Voice station. RMW46, RMH81, RMH83, RMH85, RGR97, RMW32,  
RGR95.
- 7740.0 Russian Mil: "QZLW QTC T94 29 11 214T T94 = 754 ="
- 8014.0 Russian warship clg RCV. "RCV de RMBB"
- 8076.0 Russian Mil: RDL flash message: "46314 55092 TAMARIDA 3419 5149"
- 8585.0 Russian Strategic Air Broadcast "20069 90340 82806 10074 88020 = REA4 K"
- 9192.0 Russian Navy: RCV msg to RHC84. "BGYÄG PÄÄII AR RCV K. RCH84 NR 159 RPT  
29 32 112 113 K". Simplex net.
- 9203.0 Russian Navy: RJP32 wkg RMSB with QSA & OP-chat
- 10236.0 CIS Mil: "XIHY de IOBM AR K"

- 10683.0 Russian Mil. Date: 28-4-2011**  
**0930 UTC: xxx RGT77 39078 kupeläciä 2203 0863 k (prob Army High Command)**  
**0950 UTC: xxx RGT77 95650 puchaga 7367 0904 k (prob Army High Command)**  
**1008 UTC: xxx WEGI 55608 prowerka 0073 9549 k (series of messages to tact stations)**  
**1112 UTC: xxx VN6B 05425 gadatelx 9828 2866 k**  
**1120 UTC: xxx VN6B 79786 nadomnik 2847 9068 k**  
**1124 UTC: xxx VN6B 59345 cerepegiä 7177 4792 k**  
**1127 UTC: xxx TNOF 23402 zwon 0836 4990 k**  
**1402 UTC: xxx TNOF 94447 aborigen 5493 4816 k**  
**1407 UTC: xxx VN6B 25373 öerwiwestx 7298 7091 k**  
**1413 UTC: xxx VN6B 57304 perepajka 7004 0238 k**  
**1417 UTC: xxx TNOF 42764 öilim 1858 4358 k**
- 10984.0 Russian Navy: "RHC84 DE RCV QTC"**
- 11143.0 Russian Navy: "DE RCV QTC 97 15 2238 471 = SML ="**
- 11155.0 Russian Navy: "RAU90 de RIT QTC"**
- 11354.0 Russian Naval Air Transport Moscow "PRIBOJ"**
- 12576.0 Russian warship RMBB "DE RMBB QTC =" 5L message**
- 12753.0 Russian warship with a msg to unid station: "DE RMBB 144 178 12 1925 144 = SML = IIII UCAYW CURKJ KACAC OKBKA UCEIC DWXGG IHAGO TANME DAJVK NCAKS YYOIW DLOLG IVNDX ..... "; "DE RMBB QTC K. RMBB 607 179 12 1945 607 = SML = MMMM KEATT JFVBS DNICA HXMIRM DNICA HXMIRM ACNPK TEFXB OUOEV XXAST ALOEF EWPAZ OIMTJ ..... "**
- 12981.0 Russian Mil (28-4), 0920 UTC: xxx 1HSF JFB5 C1OB OEUN 89475 49873 79820 74391 70050 06808 53232 nüH 4789 5286 k (message to tact stations, branch unknown)**
- 14312.0 Russian Mil: 4RYA**
- 14411.0 Russian Navy High Command - VGK Moscow. 13-4-2011:**  
**0716 UTC: xxx RDL 50462 amfibiä 01 1330 1053 k**  
**0740 UTC: xxx RDL 23091 80218 podlepka 0825 2452 k**  
**0748 UTC: xxx RDL 73634 amfibiä 01 1310 260 090 1120 k**  
**0910 UTC: xxx RDL 03852 amfibiä 01 1065 070 135 1252 k**  
**1020 UTC: xxx RDL 20206 amfibiä 01 1335 1234 k**  
**1040 UTC: xxx RDL 79720 amfibiä 01 1345 1323 k**
- 16112.0 Navy High Command VGK, Moscow. Flash messages. Date: 21 April.**  
**0907 UTC: xxx REU 21441 03432 mannozid 9175 0967 k**  
**0912 UTC: xxx RED4 RDL 62787 68269 taz 7109 7634 k**  
**0917 UTC: xxx REU 46314 55092 tamarida 3419 5149 k**  
**1221 UTC: xxx REU 75627 29663 lokautöik 7300 1109 k**  
**1234 UTC: xxx RED4 RDL 40685 34136 arkipelag 7391 3648 k**  
**1239 UTC: xxx RED4 RDL 51583 78816 torfännica 9262 5533 k**

1244 UTC: xxx RED4 RDL 78090 42040 neduchij 4647 0387 k  
1245 UTC: xxx RED4 RDL 77208 65753 dorodnostx 4245 5559 k  
1257 UTC: xxx REU 32016 48886 golografiä 3724 2145 k

Navy High Command VGK, Moscow. Flash messages. Date: 28 April.

0848 UTC: xxx REU 27743 64279 revij 9667 4818 k

0935 UTC: xxx RED4 RDL 46858 72831 kuprazan 4452 1604 k

0940 UTC: xxx RED4 RDL 57898 39078 kupeläciä 2203 0863 k (repeat to Ny addressees)

0944 UTC: xxx RID RDL 79624 74391 nüh 4789 5286 k (repeat to Ny addressees)

0949 UTC: xxx RJS RDL 32018 70590 nüh 4789 5286 k (repeat to Ny addressees)

0958 UTC: xxx RED4 RDL 51119 95650 puchaga 7367 0904 k (repeat for AF and Ny)

17425.0 Russian Navy "RAU90 de RIT QTC"

18107.0 Russian Mil: Flash messages.

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## UTILITY ROUND-UP

### Unid Air Defense tracking station

This net is active on 3333, 3641, 5226 and 5357 kHz.

It sends messages and time strings like this one: "AU34567DNT T4U7" (UTC+8)

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### CIS taxi's

Many CIS taxi's have been heard on the following frequencies. Mode: FM

28005	28014	28015	28035	28045	28055	28064	28065
28070	28085	28105	28135	28145	28150	28155	28170
28175	28195	28214	28225	28235	28245	28251	28265
28274	28275	28280	28305	28320	28323	28350	28435
28675	28705	28825	28835	28845	28935	29025	29225 kHz

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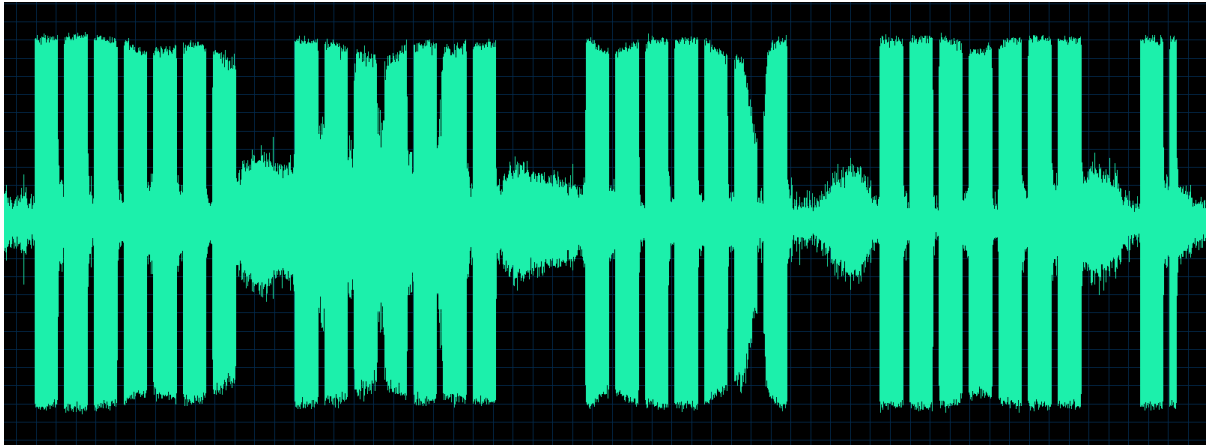
### Unid Beepers

SWL1409 in the southwest of France copied several unid beepers. I copied the one on 4499 kHz here in Holland with a S9 signal. If you know who/what they are, please let us know.

4499 kHz, 1847 UTC, 19-4: Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot.

4499 kHz, 1957 UTC, 20-4: Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot.

Non-stop until 1355 UTC on 21-4. No reports after that.



6546 kHz, 1920 UTC, 18-4: 66 dashes per minute.

6851 kHz, 1849 UTC, 07-4: 90 beeps per minute.

6851 kHz, 1714 UTC, 13-4: 90 beeps per minute.

Recordings:

→ <http://soundcloud.com/swl1409/unid-beeper-4499usb>

→ <http://soundcloud.com/swl1409/unid-beeper-66bpm-6546usb>

→ <http://soundcloud.com/swl1409/unid-beeper-90bpm-6851usb>

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**Unid Indonesian weather? net**



Still active on 14277.7 kHz and still no idea who they are.

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## Libya

### Operation “Unified Protector”



NATO took command of all operations in Libya on March 31<sup>st</sup> at 0600 UTC.

The name of the operation has changed from  
“Operation Odyssey Dawn” to **“Operation Unified Protector”**

<http://www.nato.int/cps/en/SID-EC19C8AA-C16BD266/natolive/71679.htm>

#### Deployed forces

##### Allied Maritime

Belgian Navy  
Bulgarian Navy  
Canadian Forces  
French Navy  
Hellenic Navy  
Italian Navy  
Royal Netherlands Navy  
Romanian Navy  
Spanish Navy  
Turkish Navy  
Royal Navy  
United States Navy

##### Allied Air Command

Belgian Air Force  
Canadian Forces Air Command  
Royal Danish Air Force  
French Air Force  
Hellenic Air Force  
Italian Air Force  
NATO (AWACS aircraft)  
Royal Netherlands Air Force  
Royal Norwegian Air Force  
Qatar Emirate Air Force  
Spanish Air Force  
Royal Swedish Air Force  
United Arab Emirates Air Force

The EUOBSERVER reported on 12-4 “ The EU's intelligence bureau, the Joint Situation Centre, has recently sent people to Libya. But its new director says there is little prospect of turning it into a genuine intelligence-gathering service .” Therefore I have included an intelligence profile of EU Intelligence after the Libya logs.

#### Related logs:

- 4196 MAGIC 53 wkg 5HG; other stations 1ZQ, 6WI, F9J, 4AB, C1H, 2AZ, E6R, 9GV, 3EH  
Alligator playground "frequency is IT600BB"
- 5368 Libyan GMRA/Mil/Gov net. c/s HQ1, Mobile 26
- 6205 Malta Armed Forces HQ (c/s ABA), Armidale class patrol vessel P21 (c/s AB1)
- 6733 5HJ
- 6838 Malta Armed Forces HQ (c/s ABA), A1A, AB1
- 6884 Libyan GMRA/Mil/Gov net. c/s HQ1, Mobile 11, Mobile 13, Mobile 25
- 8200 Libyan GMRA/Mil/Gov net. c/s HQ1, Mobile 11, Mobile 12, Mobile 18, Mobile 20,  
Mobile 28, Mobile 31



- 8207 Malta Armed Forces HQ (c/s ABA), Armidale class patrol vessel P21 (c/s AB1), A1A
- 9375 Libyan GMRA/Mil/Gov net. c/s HQ1, Mobile 8, Mobile 13, Mobile 16, Mobile 20, Mobile 26
- 10125 Libyan GMRA/Mil/Gov net. c/s Mobile 11, Mobile 20, Mobile 26,
- 10404 Libyan GMRA/Mil/Gov net. c/s HQ1, Mobile 11, Mobile 20, Mobile 26
- 10405 Psy-Ops transmissions in Arab and English. Recordings on the N&O and UDXF websites. Often jammed by a bubble jammer or a rebroadcast of a program of Libya Jamahiriya Broadcasting.
- 13118 Malta Armed Forces HQ (c/s ABA), A1A
- 16402 Malta Armed Forces HQ (c/s ABA), Armidale class patrol vessel P21 (c/s AB1), A1A
- 22372 Malta Armed Forces HQ (c/s ABA), Armidale class patrol vessel P21 (c/s AB1), A1A

**Intelligence profile:**  
**European Union**  
**Joint Situation Centre**



**Background**

Following the two devastating World Wars in the first half of the 20th century, a number of European leaders in the late 1940s became convinced that the only way to establish a lasting peace was to unite the two chief belligerent nations - France and Germany - both economically and politically. As a result the European Coal and Steel Community (ECSC) was set up in 1951 when six members, Belgium, France, West Germany, Italy, Luxembourg, and the Netherlands, signed the Treaty of Paris. The ECSC was so successful that within a few years the decision was made to integrate other elements of the countries' economies. In 1957 the European Economic Community (EEC) and the European Atomic Energy Community (Euratom) were created. In 1967, the institutions of all three communities were formally merged into the European Community (EC), creating a single Commission, a single Council of Ministers, and the body known today as the European Parliament. In 1973, the first enlargement of the EC took place with the addition of Denmark, Ireland, and the United Kingdom. The 1980s saw further membership expansion with Greece joining in 1981 and Spain and Portugal in 1986. In 1995, Austria, Finland, and Sweden joined the EU/EC, raising the membership total to 15. Ten new countries joined the EU in 2004 - Cyprus, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia, and Slovenia - and in 2007 Bulgaria and Romania joined, bringing the membership to 27, where it stands today.

## General

**Name:** European Union

**Capital:** Brussels (Belgium), Strasbourg (France), Luxembourg

*Note:* the Council of the European Union meets in Brussels, Belgium; the European Parliament meets in Brussels and Strasbourg, France; the Court of Justice of the European Union meets in Luxembourg

**Members:** 27 countries: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK.

## Military

The five-nation Eurocorps - created in 1992 by France, Germany, Belgium, Spain, and Luxembourg - has deployed troops and police on peacekeeping missions to Bosnia-Herzegovina, Macedonia, and the Democratic Republic of the Congo and assumed command of the ISAF in Afghanistan. The EU Council of Ministers formally committed to creating 13 1,500-man battle groups by the end of 2007, to respond to international crises on a rotating basis; 22 of the EU's 27 nations have agreed to supply troops; France, Italy, and the UK formed the first of three battle groups in 2005; Norway, Sweden, Estonia, and Finland established the Nordic Battle Group effective 1 January 2008; nine other groups are to be formed; a rapid-reaction naval EU Maritime Task Group was stood up in March 2007.

## Intelligence

- Joint Situation Centre
- Intelligence Division
- European Union Satellite Centre

### Joint Situation Centre

Besides the various intelligence agencies of the 27 nations, the EU also has an intelligence body: the Joint Situation Centre (JSC or SitCen). It is part of the European External Action Service (EEAS) and is under the authority of the EU's High Representative.

The Situation Centre has its roots in the European Security and Defence Policy of 1999. In 2002, the Situation Centre started to be a forum for exchange of sensitive information between the services of France, Germany, Italy, the Netherlands, Spain, Sweden and the United Kingdom. Its mission focuses on assessment of situations abroad and terrorist threats within the EU.

The Situation Centre is divided into three units:

- the Civilian intelligence Cell (CIC), comprising civilian intelligence analysts working on political and counter-terrorism assessment;
- the General Operations Unit (GOU), providing 24-hour operational support, research and non-intelligence analysis;
- the Communications Unit, handling communications security issues and running the council's communications centre (ComCen).

The Intelligence Division, comprising 33 individuals from 19 member states, is the largest component of the EU Military Staff. It has three branches; the Policy branch, Requirements branch, and Production branch.

### ***Intelligence Policy Branch***

Develops intelligence-related concepts, doctrines, and procedures, in coordination with relevant civilian EU bodies, and manages intelligence-related personnel, infrastructure, and communications matters. It is responsible for coordinating the Intelligence Division's contributions in support of other Military Staff elements.

### ***Requirements Branch***

The Requirements Branch handles the distribution of requests for information. It also coordinates with the EU satellite center at Torrejon, Spain, and develops Military Staff inputs for the EU ISTAR (Intelligence, Surveillance, Target Acquisition, and Reconnaissance) process.

### ***Production Branch***

Develops the classified "EU Watch List" in coordination with other EU early warning bodies, such as the Policy Unit, the Joint Situation Center, and the EU Commission. Updated on a regular basis, the Watch List focuses on areas or issues of security concern. The Production Branch is organized into five task forces covering specific geographic regions and one task force for transnational issues. It contributes to all-source situation assessments, in cooperation mainly with the Joint Situation Center.

### **European Union Satellite Centre (EUSC)**

The Centre was founded in 1992 and incorporated as an agency into the European Union on 1 January 2002. It is located in Torrejón de Ardoz, in the vicinity of Madrid, Spain.

The EUSC operates under the political supervision of the Political and Security Committee (PSC) of the Council. The PSC issues guidance to the Secretary General / High Representative on the Centre's priorities. The Secretary General / High Representative of the Council of the European Union gives operational direction to the Centre and reports regularly to the Political and Security Committee. In addition, the Joint Action attributes specific responsibilities to the Board and to the Director of the EUSC.

Under the Director/Deputy Director are 5 divisions:

1. Operations Division
2. Capability Development Division
3. IT Division
4. Administration Division
5. Finance Unit

The Centre is responsible for the analysis of satellite imagery and collateral data, including aerial imagery, and related services. The Centre works with and for the 27 Member States, in particular through its links with expert users, designated points of contact, and experts on secondment.

### **Resources / related websites**

European Union Satellite Centre	<a href="http://www.eusc.europa.eu">http://www.eusc.europa.eu</a>
Wikipedia	<a href="http://en.wikipedia.org/wiki/Joint_Situation_Centre">http://en.wikipedia.org/wiki/Joint_Situation_Centre</a>
European Union External Action	<a href="http://www.eeas.europa.eu/index_en.htm">http://www.eeas.europa.eu/index_en.htm</a>
Central Intelligence Agency - CIA	<a href="https://www.cia.gov/library/center-for-the-study-of-intelligence/csi-publications/csi-studies/studies/vol49no4/Intelligence%20Capability_6.htm">https://www.cia.gov/library/center-for-the-study-of-intelligence/csi-publications/csi-studies/studies/vol49no4/Intelligence%20Capability_6.htm</a>
CIA World Factbook	

## LOGS SECTION

3297	M89	Mode: CW Date/time: 9-4-2011, 1550 UTC	V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3297	M89	Mode: CW Date/time: 14-4-2011, 1729 UTC	V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3297	M89	Mode: CW Date/time: 15-4-2011, 1836 UTC	V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3297	M89	Mode: CW Date/time: 19-4-2011, 1844 UTC	V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3297	M89	Mode: CW Date/time: 25-4-2011, 1013 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Mon) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 25-4-2011, 1436 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Mon) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 25-5-2011, 1327 UTC	V GKVZ GKVZ GKVZ DE Q7NW Q7NW Contr: (AB-HK)
3327	M89	Mode: CW Date/time: 18-4-2011, 1832 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Mon) //4523 kHz Contr: (JPL-HK)
3327	M89	Mode: CW Date/time: 19-4-2011, 1842 UTC	V QPZM QPZM QPZM DE WOXN WOXN //4523 kHz Contr: (AB-HK)
3327	M89	Mode: CW Date/time: 25-4-2011, 1432 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)
3510	M01b	Mode: USB Date/time: Thu 7-4- 2011, 1832 UTC	201-709/33=49468 //4605 Contr: (HFD)
3512	M01b	Mode: CW Date/time: 7-4-2011, 1831 UTC	201 709 33 = 49468 Contr: (FN)
3521	M01b	Mode: USB Date/time: Fri 1-4-2011, 2010 UTC	582-709/33=49469 //4585 Contr: (HFD)
3536	M01b	Mode: CW Date/time: 4-4-2011, 1810 UTC	420 702 33 = 49469 Contr: (FN)
3536	M01b	Mode: USB Date/time: Mon 4-4- 2011, 1810 UTC	420-709/33=49469 //4590 Contr: (HFD)
3626	M01b	Mode: USB Date/time: Fri 1-4-2011, 1902 UTC	153-709/33=49469 //4440 Contr: (HFD)
3626	M01b	Mode: CW Date/time: 1-4-2011, 1903 UTC	153 709 33 = 49469 Contr: (FN)
3644	M01b	Mode: USB Date/time: Mon 4-4- 2011, 1915 UTC	771-709/33=49469 //4454 Contr: (HFD)
3646	M01b	Mode: CW Date/time: 4-4-2011, 1915 UTC	771 709 33 = 49469 Contr: (FN)
3715	M01b	Mode: USB Date/time: Thu 7-4- 2011, 1942 UTC	477-709/33=49469 //4570 Contr: (HFD)
3716	M01b	Mode: CW Date/time: 7-4-2011, 1942 UTC	477 709 33 = 49469 Contr: (FN)
3756	S30	Mode: CW Date/time: 8-4-2011, 2147 UTC	Pip Contr: (AB)
3756	S30	Mode: CW Date/time: 19-4-2011, 2018 UTC	Pip Contr: (AB)
3756	S30	Mode: CW Date/time: 23-4-2011, 0324 UTC	Pip Contr: (AB)
3828.9	S32	Mode: USB Date/time: 8-4-2011, 2147 UTC	Squeaky Wheel Contr: (AB)
3828.9	S32	Mode: USB Date/time: 19-4-2011, 2018 UTC	Squeaky Wheel Contr: (AB)
3828.9	S32	Mode: USB Date/time: 23-4-2011, 0324 UTC	Squeaky Wheel Contr: (AB)

4035.0	V02a	Mode: AM Date/time: Mon 4-4-2011, 0400 UTC	SSYL atenciòn: 6830. ..172 1122. . Contr: (westli)
4035.0	V02a	Mode: AM Date/time: Mon 11-4-2011, 0400 UTC	SSYL: 02551 85751 85552 Weak sig. Contr: (westli)
4073	M18	Mode: CW Date/time: 7-4-2011, 1827 UTC	0234 0234 0234 ... Contr: (FN)
4073	M18	Mode: CW Date/time: 8-4-2011, 2150 UTC	Time strings. 0152 0153 0154 etc. Two minutes off Contr: (AB)
4073	M18	Mode: CW Date/time: 11-4-2011, 2113 UTC	Time strings. 0116 0117 0118 etc. Contr: (AB)
4073	M18	Mode: CW Date/time: 13-4-2011, 2120 UTC	Time strings - 5 minutes fast - Long zeros. UTC+4. 0125 0126 0 Contr: (JPL-SVK)
4073	M18	Mode: CW Date/time: 17-4-2011, 2342 UTC	Time strings UTC+4, 5 minutes off Contr: (JPL-D)
4073	M18	Mode: CW Date/time: 20-4-2011, 2058 UTC	Time strings. UTC+4. 5 minutes fast Contr: (AB)
4150	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "V" Contr: (AB)
4150	MX	Mode: CW Date/time: 9-4-2011, 2207 UTC	Beacon "V" Khiva Contr: (AB)
4150	MX	Mode: CW Date/time: 11-4-2011, 2034 UTC	Beacon "V" Khiva Contr: (AB)
4150	MX	Mode: CW Date/time: 18-4-2011, 2157 UTC	Beacon "V" Khiva Contr: (AB)
4150	MX	Mode: CW Date/time: 19-4-2011, 2017 UTC	Beacon "V" Khiva Contr: (AB)
4150.0	MX	Mode: CW Date/time: Mon 18-4-2011, 1846 UTC	Beacon "V", Khiva, interfering with Kerch Radio on 4149 kHz Contr: (Danix)
4152.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1947 UTC	Japanese Slot Machine Contr: (AB)
4225	M89	Mode: CW Date/time: 1-4-2011, 1242 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 5-4-2011, 1818 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) //4225 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 6-4-2011, 1628 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Wed) //5500 (GlobalTuner Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 7-4-2011, 1052 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Thurs) //5500 (GlobalTune Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 9-4-2011, 1056 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz Contr: (AB-HK)
4225	M89	Mode: CW Date/time: 19-4-2011, 1147 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 19-4-2011, 1830 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz Contr: (AB-HK)
4225	M89	Mode: CW Date/time: 25-4-2011, 1007 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 25-4-2011, 1207 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (AB-HK)
4225	M89	Mode: CW Date/time: 25-4-2011, 1323 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (AB-HK)
4225	M89	Mode: CW Date/time: 25-4-2011, 1446 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 29-4-2011, 2139 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 30-4-2011, 1053 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225.0	M89	Mode: CW Date/time: Wed 20-4-2011, 1328 UTC	Strong. V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (Spec-HK)

4231	XSL	Mode: QPSK Date/time: 15-4-2011, 1947 UTC	Japanese Slot Machine Contr: (AB)
4291.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1947 UTC	Japanese Slot Machine Contr: (AB)
4294.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1948 UTC	Japanese Slot Machine Contr: (AB)
4325.9	MX	Mode: CW Date/time: 11-4-2011, 1034 UTC	Beacon "R" Izhevsk Contr: (AB)
4325.9	MX	Mode: CW Date/time: 19-4-2011, 2017 UTC	Beacon "R" Izhevsk Contr: (AB)
4331	M22	Mode: CW Date/time: 6-4-2011, 1728 UTC	4XZ - 5LGs + VVV marker //6379 kHz Contr: (AB)
4392	MX	Mode: CW Date/time: 9-4-2011, 2207 UTC	Beacon "V" Khiva Contr: (AB)
4392	MX	Mode: CW Date/time: 11-4-2011, 2034 UTC	Beacon "V" Khiva Contr: (AB)
4392	MX	Mode: CW Date/time: 18-4-2011, 2157 UTC	Beacon "V" Khiva Contr: (AB)
4392	MX	Mode: CW Date/time: 19-4-2011, 2017 UTC	Beacon "V" Khiva Contr: (AB)
4410	VC01	Mode: USB Date/time: 6-4-2011, 1137 UTC	Chinese robot station. YL reading numbers at rapid pace. Contr: (BCA)
4410	VC01	Mode: USB Date/time: 9-4-2011, 1039 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 9-4-2011, 1557 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 9-4-2011, 1733 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 13-4-2011, 1823 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 14-4-2011, 1454 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 14-4-2011, 1622 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 16-4-2011, 1458 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 18-4-2011, 1354 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 19-4-2011, 2029 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 22-4-2011, 1830 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 23-4-2011, 0929 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 23-4-2011, 1706 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 25-4-2011, 1324 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 25-4-2011, 1658 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 28-4-2011, 1936 UTC	Chinese Robot Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 30-4-2011, 1435 UTC	Chinese Robot in progress Contr: (AB-HK)
4410	VC01	Mode: USB Date/time: 30-4-2011, 2127 UTC	Chinese Robot in progress Contr: (AB-HK)
4410.0	VC01	Mode: USB Date/time: Thu 14-4-2011, 1953 UTC	Chinese Robot in progress. Strong clear signal. Contr: (Spec-AUS)



4410.0	VC01	Mode: USB Date/time: Sat 16-4-2011, 1121 UTC	Strong signal. Chinese robot in progress. Contr: (Spec-AUS)
4410.0	VC01	Mode: USB Date/time: Sat 16-4-2011, 1610 UTC	Chinese robot still in progress. Strong signal. Contr: (Spec-AUS)
4410.0	VC01	Mode: USB Date/time: Mon 18-4-2011, 1241 UTC	Strong signal. Chinese Robot in progress. Contr: (Spec-AUS)
4410.0	VC01	Mode: USB Date/time: Mon 25-4-2011, 1341 UTC	Weak signal. Chinese Robot in progress. Contr: (Spec-HK)
4440	M01b	Mode: USB Date/time: Fri 1-4-2011, 1902 UTC	153-709/33=49469 //3625 Contr: (HFD)
4441	M01b	Mode: CW Date/time: 1-4-2011, 1903 UTC	153 709 33 = 49469 Contr: (FN)
4454	M01b	Mode: USB Date/time: Mon 4-4-2011, 1915 UTC	771-709/33=49469 //3644 Contr: (HFD)
4454	S21	Mode: USB Date/time: 21-4-2011, 1842 UTC	454 374 30 35565 08212 .... 97911 Contr: (HS2)
4454	S21	Mode: USB Date/time: 21-4-2011, 1853 UTC	male voice with 374/30 000 Contr: (MUK)
4454.0	S21	Mode: USB Date/time: Thu 7-4-2011, 1842 UTC	Very weak signal, too weak to read. Caught the call and code key. 454 774 30 ? 0 Contr: (Spec)
4454.0	S21	Mode: USB Date/time: Tue 12-4-2011, 1842 UTC	Very weak signal. Hardly any audio at all, faintly heard the automated voice. Contr: (Spec)
4456	M01b	Mode: CW Date/time: 4-4-2011, 1915 UTC	771 709 33 = 49469 Contr: (FN)
4457	G06	Mode: AM Date/time: 4-4-2011, 1700 UTC	439 00000 Contr: (HS2)
4457	G06	Mode: USB Date/time: Mon 11-4-2011, 1700 UTC	439 0 Contr: (HFD)
4478.0	M08a	Mode: CW Date/time: Sat 23-4-2011, 1100 UTC	5f cut nums: 15771 47002 31522 Good sig. Strong but distorted signal. Contr: (westli)
4478.0	M08a	Mode: CW Date/time: Sat 30-4-2011, 1100 UTC	5f cut nums: 01412 16652 04822 ALE also noted on freq. Contr: (westli)
4497	E07	Mode: AM Date/time: 31-3-2011, 2150 UTC	584 1 749 90 10950 Contr: (FN)
4498	M42	Mode: RUS-ARQ Date/time: 18-4-2011, 2142 UTC	Russian Gov/Intel. Contr:
4499	XB07	Mode: USB Date/time: 19-4-2011, 1847 UTC	Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot. Non-stop until 1355 UTC on 21-4. No reports after that. Contr: (AB)
4499	XB07	Mode: USB Date/time: 20-4-2011, 1957 UTC	Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot. Contr: (AB)
4499	XB07	Mode: USB Date/time: 21-4-2011, 1355 UTC	Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot. Contr: (AB)
4499	XB07	Mode: USB Date/time: 21-4-2011, 300 UTC	Four groups of 7 dashes. After the 4th group it sends 1 dash and 1 dot. Contr: (AnEur)
4499.0	XB07	Mode: USB Date/time: Tue 19-4-2011, 1847 UTC	Beeper i/p strong. Contr: (SWL1409)
4523	M89	Mode: CW Date/time: 14-4-2011, 1727 UTC	V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)
4523	M89	Mode: CW Date/time: 15-4-2011, 1138 UTC	V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)
4523	M89	Mode: CW Date/time: 18-4-2011, 1832 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Mon) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 19-4-2011, 1840 UTC	V QPZM QPZM QPZM DE WOXN WOXN //3327 kHz Contr: (AB-HK)
4523	M89	Mode: CW Date/time: 25-4-2011, 1432 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)

4523	M89	Mode: CW Date/time: 29-4-2011, 2141 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Fri) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 25-5-2011, 1329 UTC	V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)
4523.0	M89	Mode: CW Date/time: Wed 20-4-2011, 1334 UTC	Strong. V QPZM QPZM QPZM DE WOXN WOXN Contr: (Spec-HK)
4532	M89	Mode: CW Date/time: 1-4-2011, 1106 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 1-4-2011, 1933 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 4-4-2011, 1338 UTC	In progress - 4 figure cypher using cut numbers - to normal ca Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 7-4-2011, 1329 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Msg sent at 1342z: UGT COMM Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 7-4-2011, 1810 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Msg sent at 1841z: UGT COM Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 8-4-2011, 1719 UTC	V JA3L (x3) DE UN2T (x2) Msg at 1720z: UGT COMM BT 654/5588/58 Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 8-4-2011, 1856 UTC	V JA3L (x3) DE UN2T (x2) + msg: CQ ... NR 4207 CK 95 33 0309 0 Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 9-4-2011, 1054 UTC	V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB-HK)
4532	M89	Mode: CW Date/time: 14-4-2011, 1624 UTC	V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB-HK)
4532	M89	Mode: CW Date/time: 15-4-2011, 1135 UTC	V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB-HK)
4532	M89	Mode: CW Date/time: 19-4-2011, 1843 UTC	V JA3L JA3L JA3L DE UN2T UN2T Contr: (AB-HK)
4532	M89	Mode: CW Date/time: 20-4-2011, 1751 UTC	In tfc - sending 4 fig cut numbers) V JA3L (x3) DE UN2T (x2) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 20-4-2011, 1751 UTC	4FGs cut numbers 6UDE 5U64 AR (Into round-slip) V JA3L (x3) DE Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 25-4-2011, 1434 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Mon) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 25-4-2011, 1451 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) + Msg "RMKS 2916 .00 4348/43 Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 29-4-2011, 2143 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Mostly unreadable Contr: (JPL-HK)
4556	M45	Mode: CW Date/time: 7-4-2011, 1802 UTC	555 374 30 = 35565 Contr: (FN)
4557.5	M45	Mode: CW Date/time: 14-4-2011, 1805 UTC	555 continuous then 374 374 30 30 = = 35565 (groups twice) (en Contr: (EB)
4557.7	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "D" Contr: (AB)
4557.7	MX	Mode: CW Date/time: 13-4-2011, 2138 UTC	Beacon "D" Sevastopol Contr: (JPL-SVK)
4557.7	MX	Mode: CW Date/time: 21-4-2011, 2151 UTC	Beacon "D" Sevastopol Contr: (MPJ)
4557.9	MX	Mode: CW Date/time: 13-4-2011, 2141 UTC	Beacon "S" Severomorsk Contr: (JPL-SVK)
4557.9	MX	Mode: CW Date/time: 21-4-2011, 2151 UTC	Beacon "S" Severomorsk Contr: (MPJ)
4558.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivistok Contr: (AB-HK)
4570	M01b	Mode: USB Date/time: Thu 7-4-2011, 1942 UTC	477-709/33=49469 //3715 Contr: (HFD)
4571	M01b	Mode: CW Date/time: 7-4-2011, 1942 UTC	477 709 33 = 49469 Contr: (FN)



4583.0	M01	Mode: CW Date/time: Thu 7-4-2011, 0319 UTC	471; 221 221 5t 5t=52298...43945== 221 221 5t 5t ttt Contr: (FMB)
4585	M01b	Mode: USB Date/time: Fri 1-4-2011, 2010 UTC	582-709/33=49469 //3520 Contr: (HFD)
4586	M01b	Mode: CW Date/time: 1-4-2011, 2010 UTC	582 709 33 = 49469 Contr: (FN)
4588	M89	Mode: CW Date/time: 14-4-2011, 1527 UTC	V MB3R MB3R MB3R DE YA6X YA6X Contr: (AB-HK)
4590	M01b	Mode: USB Date/time: Mon 4-4-2011, 1810 UTC	420-709/33=49469 //3535 Contr: (HFD)
4592	M01b	Mode: CW Date/time: 4-4-2011, 1810 UTC	420 702 33 = 49469 Contr: (FN)
4592	M89	Mode: CW Date/time: 4-4-2011, 2000 UTC	V 9VUP 9VUP 9VUP DE JR5U JR5U Contr: (PPA)
4592	M89	Mode: CW Date/time: 4-4-2011, 2006 UTC	V 9VUP 9VUP 9VUP DE JR5U JR5U Contr: (PPA)
4605	M01b	Mode: USB Date/time: Thu 7-4-2011, 1832 UTC	201-709/33=49468 //3510 Contr: (HFD)
4607	M01b	Mode: CW Date/time: 7-4-2011, 1831 UTC	201 709 33 = 49468 Contr: (FN)
4625	S28	Mode: USB Date/time: 5-4-2011, 1548 UTC	MDZhB MDZhB 28 629 Gladak 03 70 98 87 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 11-4-2011, 1322 UTC	MDZhB MDZhB 13 059 Sklonnyj 67 07 10 53 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 13-4-2011, 1352 UTC	Male voice: MDZhB MDZhB 17 090 Skislyj 33 43 52 39 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 19-4-2011, 1338 UTC	Female voice. Msg: MDZhB MDZhB 61 332 Akvantinta 42 65 09 33 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 0614 UTC	MDZhB 47 898 Skafa 26 46 94 84 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 0616 UTC	MDZhB 81 027 Skalochnyj 11 73 86 88 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1151 UTC	MDZhB 71 402 Khishchenie 31 17 50 98 The message is repeated Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1234 UTC	MDZhB 13 065 Vichovka 33 65 69 53 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1240 UTC	MDZhB 45 226 Bicullin 89 49 24 54 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1251 UTC	MDZhB 98 871 Bica 56 73 49 73 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1301 UTC	MDZhB 91 390 Chikhota 58 00 46 14:11 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 21-4-2011, 1411 UTC	MDZhB 91 390 Bikhord 56 49 27 33 In the background you can he Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 23-4-2011, 0325 UTC	Buzzer Contr: (AB)
4625	S28	Mode: USB Date/time: 27-4-2011, 1228 UTC	MDZhB 45 004 Ristalishche 31 97 24 58 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 27-4-2011, 1247 UTC	MDZhB 85 437 Algin 36 31 74 60 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 27-4-2011, 1332 UTC	MDZhB 84 905 Flor 22 96 59 34 Contr: (AB-EST)
4628	S06	Mode: USB Date/time: Sat 16-4-2011, 1935 UTC	366 0 Contr: (HFD)
4787.0	S06	Mode: USB Date/time: Sat 2-4-2011, 1900 UTC	Fair signal. Moderate QRN. 837 00000. Null message. End 1904z. Contr: (Spec)
4787.0	S06	Mode: USB Date/time: Sat 16-4-2011, 1900 UTC	Strong signal. 837 00000 End 1904z. Contr: (Spec)

4845	S06s	Mode: AM Date/time: 14-4-2011, 1410 UTC	624 970 5 21767 Contr: (FN)
4845	S06s	Mode: AM Date/time: 21-4-2011, 1410 UTC	462 890 5 48035 Contr: (FN)
4854.0	S21	Mode: CW Date/time: Tue 5-4-2011, 1842 UTC	Weak signal. Message sent in CW. Caught the call: 454. Contr: (Spec)
4854.0	S21	Mode: USB Date/time: Thu 14-4-2011, 1842 UTC	Weak & fading. 454 374 30 35565 ..... 57511 374 30 000 End 1852z. Contr: (Spec)
4860	M89	Mode: CW Date/time: 5-4-2011, 1919 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 14-4-2011, 1721 UTC	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //6840 kHz Contr: (AB-HK)
4860	M89	Mode: CW Date/time: 17-4-2011, 1819 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) // 6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 21-4-2011, 2121 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K //6840 k Contr: (JPL-HK)
4906	M01b	Mode: CW Date/time: 14-4-2011, 2032 UTC	carrier up until 2037z, no message Contr: (FN)
4909	E11	Mode: USB Date/time: Sat 30-4-2011, 0900 UTC	248/00 Contr: (HFD)
4956	M45	Mode: CW Date/time: 5-4-2011, 1802 UTC	555 374 30 = 35565 Contr: (FN)
4956	M45	Mode: CW Date/time: 7-4-2011, 1802 UTC	555 374 30 = 35565 Contr: (FN)
5020	M01	Mode: CW Date/time: 12-4-2011, 2000 UTC	463 653 30 = 90604] FN TUE Contr: (FN)
5020	M01	Mode: CW Date/time: 14-4-2011, 2000 UTC	463 849 30 = (missed) Contr: (FN)
5077.0	XPA	Mode: RTTY Date/time: Tue 5-4-2011, 0220 UTC	0-msg(?) Contr: (FMB)
5117.0	V02a	Mode: AM Date/time: Mon 18-4-2011, 0400 UTC	Contr: (Pres)
5133	S06	Mode: AM Date/time: 10-4-2011, 0133 UTC	OM/RR "759 759 ... 759" into 2x5FGs after "821 821 36 36" Contr: (ALF)
5133.0	E06	Mode: AM Date/time: Sat 2-4-2011, 0230 UTC	Recording: <a href="http://tinyurl.com/3sjko2s">http://tinyurl.com/3sjko2s</a> Message repeated from 6819 kHz. Contr: (IP-IT)
5133.0	E06	Mode: USB Date/time: Sun 3-4-2011, 0130 UTC	Strong signal. Same message as 0030z. End 0139z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sat 9-4-2011, 0130 UTC	Fair signal, with fading. Same message as 0030z. End 0140z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sun 10-4-2011, 0130 UTC	Strong clear signal. Same message as 09/04/2011 0030z. End 0140z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sat 16-4-2011, 0130 UTC	Strong signal. Same message as 0030z. End 0139z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sun 17-4-2011, 0130 UTC	Strong signal. Same message as 0030z. End 0139z. Contr: (Spec)
5133.0	E06	Mode: AM Date/time: Sun 17-4-2011, 0130 UTC	Contr: (Pres)
5133.0	E06	Mode: USB Date/time: Sat 23-4-2011, 0130 UTC	Strong. Same message as 0030z. End 0140z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sun 24-4-2011, 0130 UTC	Strong. Same message as 0030z. End 0140z. Contr: (Spec)
5133.0	E06	Mode: USB Date/time: Sat 30-4-2011, 0130 UTC	Strong. Unusual blip at beginning of groups. End 0142z. Contr: (Spec)
5143.7	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "D" Contr: (AB)
5153.7	MX	Mode: CW Date/time: 13-4-2011, 2138 UTC	Beacon "D" Sevastopol Contr: (JPL-SVK)

5153.9	MX	Mode: CW Date/time: 13-4-2011, 2141 UTC	Beacon "S" Sevromorsk Contr: (JPL-SVK)
5154	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "C" Contr: (AB)
5154.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
5186.0	E06	Mode: AM Date/time: Thu 7-4-2011, 0020 UTC	ID 891: 56/15; first grp: 12356; last grp: 37128 Contr: (why-It)
5186.0	E06	Mode: USB Date/time: Thu 7-4-2011, 2030 UTC	Fair signal, some QRM. 891 356 15 12356 ..... 37128 356 15 00000 End 2036z. Contr: (Spec)
5186.0	E06	Mode: AM Date/time: Thu 21-4-2011, 2030 UTC	Contr: (Danix)
5186.0	E06	Mode: USB Date/time: Thu 21-4-2011, 2030 UTC	Very Strong. 891 356 15 12356 ..... 37128 356 15 00000 End 2038z. Contr: (Spec)
5197.0	E06	Mode: USB Date/time: Fri 8-4-2011, 2044 UTC	Fair signal. Caught in progress. Test transmission. 123456789 End 2047z. Contr: (Spec)
5197.0	E06	Mode: USB Date/time: Fri 8-4-2011, 2130 UTC	Strong signal. 634 105 15 76587 99765 ..... 85301 105 15 00000 End 2147z. Contr: (Spec)
5197.0	E06	Mode: USB Date/time: Fri 22-4-2011, 2130 UTC	Strong signal. 634 105 15 76587 ..... 85301 105 15 00000 End 2137z. Contr: (Spec)
5226	---	Mode: CW Date/time: 14-4-2011, 2027 UTC	Unid Air Defense. Time strings AU34567DNT T4U7 (UTC+8) Contr: (PPA)
5296.0	M01a	Mode: CW Date/time: Wed 6-4-2011, 1819 UTC	111 555 43tt9; 445(x3) 47649(x2) 111; 111 999 219 4t= 1447t...=219 4t ttt Contr: (FMB)
5310	M89	Mode: CW Date/time: 25-4-2011, 1010 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //7833 kHz Contr: (JPL-HK)
5320	S06s	Mode: AM Date/time: 14-4-2011, 1400 UTC	624 970 5 21767 Contr: (FN)
5320	S06s	Mode: AM Date/time: 21-4-2011, 1400 UTC	462 890 5 48035 Contr: (FN)
5357	---	Mode: CW Date/time: 18-3-2011, 1951 UTC	Unid Air Defense sending time stamps (UTC+8) AU34567DNT T35A Contr: (AnEur)
5357	---	Mode: CW Date/time: 2-4-2011, 2129 UTC	Unid Air Defense sending time stamps (UTC+8) Contr: (AnEur)
5357	---	Mode: CW Date/time: 3-4-2011, 2326 UTC	Unid Air Defense, in progress sending time strings: AU34567DNT Contr: (JPL-HK)
5357	---	Mode: CW Date/time: 4-4-2011, 1400 UTC	Unid Air Defense, in progress - sending Time signal using cut Contr: (JPL-HK)
5357	---	Mode: CW Date/time: 4-4-2011, 1720 UTC	Unid Air Defence. Time string AU34567DNT TAUT (UTC+5) Contr: (PPA)
5442	G06	Mode: AM Date/time: 15-4-2011, 1930 UTC	947 833 15 31478 14829 .... 87536 Contr: (HS2)
5442.0	G06	Mode: USB Date/time: Fri 15-4-2011, 1930 UTC	Strong signal. 947 833 15 31478 ..... 87536 833 15 00000 End 1937z. Contr: (Spec)
5442.0	G06	Mode: USB Date/time: Fri 29-4-2011, 1930 UTC	Strong. 947 833 15 31478 ..... 87536 833 15 00000 End 1937z. Contr: (Spec)
5442.0	G06	Mode: USB Date/time: Fri 29-4-2011, 1930 UTC	Coming in loud and clear! Contr: (Saber)
5448	S30	Mode: CW Date/time: 23-4-2011, 0400 UTC	Pip Contr: (AB)
5448	S30	Mode: CW Date/time: 30-4-2011, 0655 UTC	The Pip Contr: (AB-SVK)
5463	M01	Mode: CW Date/time: 27-4-2011, 1920 UTC	537 596 15 = 62832 ... 24675 = 596 EOT Contr: (FN)
5464	M14	Mode: USB Date/time: Wed 13-4-2011, 1920 UTC	537-596/15=62382 Contr: (HFD)
5470	S06s	Mode: AM Date/time: 1-4-2011, 0610 UTC	934 806 5 43157 Contr: (FN)

5473.9	S32	Mode: USB Date/time: 23-4-2011, 0409 UTC	Squeaky Wheel Contr: (AB)
5475	M01	Mode: CW Date/time: 5-4-2011, 1800 UTC	463 841 30 = 11485 Contr: (FN)
5488	M89	Mode: CW Date/time: 1-4-2011, 1940 UTC	MB3R MB3R MB3R de YA6X YA6X YA6X Contr: (FN)
5488	M89	Mode: CW Date/time: 9-4-2011, 1736 UTC	V MB3R MB3R MB3R DE YA6X YA6X Contr: (AB-HK)
5488	M89	Mode: CW Date/time: 14-4-2011, 1726 UTC	V MB3R MB3R MB3R DE YA6X YA6X Contr: (AB-HK)
5488	M89	Mode: CW Date/time: 15-4-2011, 1837 UTC	V MB3R MB3R MB3R DE YA6X YA6X Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 1-4-2011, 1242 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 4-4-2011, 1952 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (PPA)
5500	M89	Mode: CW Date/time: 5-4-2011, 1818 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) //5500 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 5-4-2011, 2115 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B ... COMM BT 5401/0650/z14/3893 A Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 6-4-2011, 1628 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Wed) //4225 (GlobalTuner Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 7-4-2011, 1052 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Thurs) //4225 (GlobalTune Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 8-4-2011, 1211 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Fri) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 9-4-2011, 1056 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 14-4-2011, 1453 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 15-4-2011, 1134 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //5500 kHz Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 15-4-2011, 1134 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 19-4-2011, 1147 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 19-4-2011, 1830 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //4225 kHz Contr: (AB-HK)
5500	M89	Mode: CW Date/time: 25-4-2011, 1007 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 25-4-2011, 1446 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 29-4-2011, 2139 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)
5500	M89	Mode: CW Date/time: 30-4-2011, 1053 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)
5500.0	M89	Mode: CW Date/time: Mon 18-4-2011, 1300 UTC	Strong signal. V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (Spec-AUS)
5500.0	M89	Mode: CW Date/time: Wed 20-4-2011, 1330 UTC	Strong. V 7NPE 7NPE 7NPE DE QV5B QV5B Contr: (Spec-HK)
5637	V21	Mode: USB Date/time: 18-4-2011, 1444 UTC	Cuban Babbler Contr: (AB-FL)
5735	S06	Mode: USB Date/time: Wed 6-4-2011, 1800 UTC	471 0 Contr: (HFD)
5735	S06	Mode: USB Date/time: Thu 14-4-2011, 1800 UTC	471 0 Contr: (HFD)
5735	S06	Mode: AM Date/time: 20-4-2011, 1800 UTC	471 00000 Contr: (HS2)

5735	S06	Mode: USB Date/time: Wed 20-4-2011, 1800 UTC	471 0 Contr: (HFD)
5735	S06	Mode: USB Date/time: Wed 27-4-2011, 1800 UTC	471 0 Contr: (HFD)
5737.0	E11	Mode: USB Date/time: Sun 3-4-2011, 1240 UTC	Weak signal. 347/00 Null message. End 1243z. Contr: (Spec)
5740.0	M01a	Mode: CW Date/time: Wed 6-4-2011, 1715 UTC	782(x3) 37833(x2) t4t t2 Contr: (FMB)
5750.0	M01a	Mode: CW Date/time: Wed 6-4-2011, 1810 UTC	111 ttt Contr: (FMB)
5760	S06s	Mode: AM Date/time: 5-4-2011, 0700 UTC	374 218 5 50297 Contr: (FN)
5760	S06s	Mode: AM Date/time: 12-4-2011, 0700 UTC	374 218 5 50297 15244 64985 35524 83371 Contr: (HS2)
5784	S06	Mode: USB Date/time: Mon 11-4-2011, 1900 UTC	349 0 Contr: (HFD)
5784	S06	Mode: USB Date/time: Mon 18-4-2011, 1900 UTC	349 0 Contr: (HFD)
5784	S06	Mode: USB Date/time: Thu 21-4-2011, 1900 UTC	349 0 Contr: (HFD)
5784.0	S06	Mode: USB Date/time: Mon 11-4-2011, 1900 UTC	Strong signal. 349 00000 Null Message. End 1904z. Contr: (Spec)
5784.0	S06	Mode: USB Date/time: Thu 14-4-2011, 1900 UTC	Strong signal. 349 00000 End 1904z. Contr: (Spec)
5784.0	S06	Mode: USB Date/time: Mon 18-4-2011, 1900 UTC	Strong signal. 349 00000 End 1904z. Contr: (Spec)
5784.0	S06	Mode: USB Date/time: Thu 21-4-2011, 1900 UTC	Strong signal. 349 00000 End 1904z. Contr: (Spec)
5784.0	S06	Mode: USB Date/time: Mon 25-4-2011, 1900 UTC	Strong signal. 349 00000 End 1904z. Contr: (Spec)
5788	M12	Mode: USB Date/time: Wed 6-4-2011, 1740 UTC	463 1 Contr: (HFD)
5800.0	M08a	Mode: MCW Date/time: Sat 9-4-2011, 0600 UTC	38061 44881 32012. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0600 UTC	..... 73742 (Came into sked late) Contr: (MS)
5805	S06s	Mode: AM Date/time: 5-4-2011, 1240 UTC	278 906 5 75858 Contr: (FN)
5810	M01b	Mode: USB Date/time: Fri 1-4-2011, 1515 UTC	158-826/30=88782 Contr: (HFD)
5811	M01b	Mode: CW Date/time: 1-4-2011, 1514 UTC	158 826 30 = 88782 Contr: (FN)
5815	G11	Mode: USB Date/time: 8-4-2011, 1325 UTC	299/00 Contr: (HS2)
5815	G11	Mode: USB Date/time: 10-4-2011, 1755 UTC	270/00 Contr: (MUK)
5815	G11	Mode: USB Date/time: Tue 12-4-2011, 1755 UTC	277/37=77307 Contr: (HFD)
5815	G11	Mode: USB Date/time: 15-4-2011, 1325 UTC	299/00 Contr: (HS2)
5815	G11	Mode: USB Date/time: 29-4-2011, 1325 UTC	299/00 Contr: (HS2)
5815	S11a	Mode: USB Date/time: 20-4-2011, 1020 UTC	221/00 Contr: (HS2)
5815.0	G11	Mode: USB Date/time: Fri 1-4-2011, 1325 UTC	299/33 Contr: (Danix)
5815.0	G11	Mode: USB Date/time: Tue 12-4-2011, 1755 UTC	277/37 Contr: (Danix)

5815.0	S11a	Mode: USB Date/time: Sat 23-4-2011, 1020 UTC	221/00 Contr: (Danix)
5828.0	M12	Mode: CW Date/time: Thu 7-4-2011, 0342 UTC	(i.p.) ttt ttt Contr: (FMB)
5829	M12	Mode: USB Date/time: Thu 28-4-2011, 0340 UTC	890 1 Contr: (HFD)
5836	E07	Mode: AM Date/time: 31-3-2011, 2130 UTC	584 1 749 90 10950 Contr: (FN)
5836.0	XPA	Mode: RTTY Date/time: Tue 5-4-2011, 0210 UTC	0-msg(?) Contr: (FMB)
5883.0	V02a	Mode: AM Date/time: Tue 5-4-2011, 0700 UTC	A 81052 06312 70082 - YL/SS Contr: (MS)
5883.0	V02a	Mode: AM Date/time: Thu 14-4-2011, 0007 UTC	Contr: (JABC)
5883.0	V02a	Mode: AM Date/time: Fri 15-4-2011, 0700 UTC	A 16301 10562 65511 (YL/SS) Contr: (MS)
5884.0	E07	Mode: USB Date/time: Thu 21-4-2011, 2050 UTC	Strong with heavy QRM. Very hard to read. End 2100z. Contr: (Spec)
5884.0	E07	Mode: USB Date/time: Thu 28-4-2011, 2050 UTC	Weak, faint audio. Heavy QRM. End 2101z. Contr: (Spec)
5893	M12	Mode: USB Date/time: Thu 21-4-2011, 2120 UTC	785 0 Contr: (HFD)
5898	V02a	Mode: AM Date/time: 4-4-2011, 0800 UTC	A 18871 67121 83422 Contr: (HS2)
5898.0	M08a	Mode: MCW Date/time: Tue 5-4-2011, 0500 UTC	76342 11251 23732. Good signal S9+ with rapid fade to S4. UE 0459z, IP. Contr: (BKS)
5898.0	M08a	Mode: MCW Date/time: Sat 9-4-2011, 0500 UTC	Callups not sent. Good sig, S7. Up late, 0521z +/- 5 min. CIP 0525z. Contr: (BKS)
5898.0	M08a	Mode: AM Date/time: Sat 9-4-2011, 0533 UTC	5 Fig Cut Numbers - Caught tail end of broadcast Contr: (DZ)
5898.0	V02a	Mode: AM Date/time: Tue 5-4-2011, 0800 UTC	A 81052 06312 70082 - YL/SS Contr: (MS)
5930.0	SK01	Mode: RDFT Date/time: Sat 2-4-2011, 0930 UTC	Contr: (MS)
5930.0	SK01	Mode: RDFT Date/time: Tue 5-4-2011, 0930 UTC	Contr: (MS)
5930.0	SK01	Mode: RDFT Date/time: Sat 16-4-2011, 0930 UTC	Contr: (MS)
5935.0	G06	Mode: USB Date/time: Thu 14-4-2011, 1820 UTC	Caught in progress. Strong signal. Contr: (Spec)
5940	M01b	Mode: CW Date/time: 14-4-2011, 1505 UTC	not heard since March Contr: (FN)
5945	M14	Mode: USB Date/time: Tue 12-4-2011, 1820 UTC	346 Contr: (HFD)
5945.0	M14	Mode: CW Date/time: Tue 26-4-2011, 1820 UTC	Contr: (SWL1409)
5947	SK01	Mode: RDFT Date/time: Sat 2-4-2011, 0900 UTC	Contr: (MS)
5947.0	M14	Mode: CW Date/time: Tue 12-4-2011, 1820 UTC	Weak & fading signal. 346 412 15 Caught the call & code key, message too weak to copy Contr: (Spec)
5947.0	SK01	Mode: RDFT Date/time: Sat 2-4-2011, 0900 UTC	Contr: (MS)
5947.0	SK01	Mode: RDFT Date/time: Tue 5-4-2011, 0900 UTC	Contr: (MS)
5947.0	SK01	Mode: RDFT Date/time: Sat 16-4-2011, 0900 UTC	Contr: (MS)
6140.0	E25	Mode: AM Date/time: Wed 13-4-2011, 1030 UTC	Caught in progress. Very weak signal, with faint audio. Contr: (Spec)



6249.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1948 UTC	Japanese Slot Machine Contr: (AB)
6304	E11	Mode: USB Date/time: Mon 4-4-2011, 0450 UTC	416/00 Contr: (HFD)
6340	S06s	Mode: AM Date/time: 29-4-2011, 0600 UTC	2934 000 Contr: (HS2)
6378.0	M22	Mode: CW Date/time: Tue 26-4-2011, 1843 UTC	4XZ caught i/p sending msg. Contr: (SWL1409)
6379	M22	Mode: CW Date/time: 6-4-2011, 1728 UTC	4XZ - 5LGs + VVV marker //4331 kHz Contr: (AB)
6415	S06s	Mode: AM Date/time: 6-4-2011, 1210 UTC	481 296 5 20163 Contr: (FN)
6415	S06s	Mode: USB Date/time: Wed 6-4-2011, 1210 UTC	481 Contr: (HFD)
6415.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1210 UTC	Weak signal, some QRM. Same message as 1200z. End 1215z. Contr: (Spec)
6415.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1210 UTC	Fair & fading signal. Same message as 1200z. End 1215z. Contr: (Spec)
6415.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1210 UTC	Weak. Same message as 1200z. End 1216z. Contr: (Spec)
6415.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1210 UTC	Very weak. Same message as 1200z. End 1216z. Contr: (Spec)
6416.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1948 UTC	Japanese Slot Machine Contr: (AB)
6417.0	XSL	Mode: USB Date/time: Fri 29-4-2011, 1528 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-AUS)
6430	S06s	Mode: AM Date/time: 1-4-2011, 0600 UTC	934 806 5 43157 Contr: (FN)
6433	G11	Mode: USB Date/time: 15-4-2011, 2000 UTC	262/00 Contr: (HS2)
6433	G11	Mode: USB Date/time: Sun 17-4-2011, 2000 UTC	262/00 Contr: (HFD)
6433.0	E11	Mode: USB Date/time: Sun 3-4-2011, 1050 UTC	Weak signal. 127/00 Null message. End 1053z. Contr: (Spec)
6433.0	E11a	Mode: USB Date/time: Sun 24-4-2011, 1050 UTC	126/30 Contr: (Danix)
6444.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1949 UTC	Japanese Slot Machine Contr: (AB)
6445.0	XSL	Mode: USB Date/time: Wed 20-4-2011, 1316 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-HK)
6448.0	XSL	Mode: USB Date/time: Fri 29-4-2011, 1528 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-AUS)
6464	S06s	Mode: AM Date/time: 12-4-2011, 1500 UTC	537 412 6 84480] FN TUE Contr: (FN)
6464.0	S06s	Mode: USB Date/time: Tue 12-4-2011, 1500 UTC	Weak & fading signal. 537 412 6 84480 57410 37767 78924 57184 47545 412 6 00000 Contr: (Spec)
6464.0	S06s	Mode: USB Date/time: Tue 26-4-2011, 1500 UTC	Very weak. 537 894 6 48428 45313 34571 64497 55259 84845 894 6 00000 End 1506z. Contr: (Spec)
6469	M51	Mode: CW Date/time: 13-4-2011, 0225 UTC	French Mil, CW training. - BT NR 47 A 13 04:25:09 1983 BT Contr: (Jon-FL)
6546.0	XB66	Mode: USB Date/time: Mon 18-4-2011, 1920 UTC	Beeper 66BPM i/p strong. Contr: (SWL1409)
6766.0	V02a	Mode: AM Date/time: Mon 11-4-2011, 0400 UTC	SSYL: 8.172 86802 9..2. Caught late. Expected on 6768. Contr: (westli)
6768	XPA2	Mode: USB Date/time: Tue 19-4-2011, 2010 UTC	msg Contr: (HFD)
6768.0	V02a	Mode: AM Date/time: Mon 18-4-2011, 0400 UTC	SSYL atenció: 21582 00251 88052 Contr: (westli)

6768.0	V02a	Mode: AM Date/time: Mon 18-4-2011, 0400 UTC	Corrected previous time. Contr: (Pres)
6774	G06	Mode: AM Date/time: 4-4-2011, 0800 UTC	215 00000 Contr: (HS2)
6802	M12	Mode: USB Date/time: Wed 6-4-2011, 1720 UTC	463 1 Contr: (HFD)
6810	S06	Mode: AM Date/time: 4-4-2011, 0900 UTC	480 561 42 70589 82923 26824... Contr: (HS2)
6810	S06	Mode: AM Date/time: 20-4-2011, 0900 UTC	480 217 40 34415 80223 .... 54765 Contr: (HS2)
6814	E11	Mode: USB Date/time: 12-4-2011, 0820 UTC	438/00 Contr: (HS2)
6814	E11	Mode: USB Date/time: 21-4-2011, 0820 UTC	438/00 Contr: (HS2)
6814	E11	Mode: USB Date/time: Thu 21-4-2011, 0820 UTC	438/00 Contr: (HFD)
6819.0	E06	Mode: AM Date/time: Sat 2-4-2011, 0130 UTC	Contr: (IP-IT)
6819.0	E06	Mode: AM Date/time: Sun 3-4-2011, 0130 UTC	Contr: (IP-IT)
6819.0	E06	Mode: AM Date/time: Sat 9-4-2011, 0130 UTC	Contr: (IP-IT)
6824.0	M51	Mode: CW Date/time: Tue 5-4-2011, 0622 UTC	(i.p.) Contr: (FMB)
6825	M51	Mode: CW Date/time: 16-4-2011, 1203 UTC	FAV22 VVV-id Contr: (tING)
6825	M51	Mode: CW Date/time: 20-4-2011, 1131 UTC	FAV22 VVV-id Contr: (tING)
6830.0	S06s	Mode: USB Date/time: Mon 11-4-2011, 1610 UTC	Fair signal, with fading. Same message as 1600z. End 1615z. Contr: (Spec)
6840	M89	Mode: CW Date/time: 5-4-2011, 1919 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Tue) //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 12-4-2011, 2021 UTC	VVV Q2M de NYZ Contr: (VL)
6840	M89	Mode: CW Date/time: 14-4-2011, 1721 UTC	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //4860 kHz Contr: (AB-HK)
6840	M89	Mode: CW Date/time: 17-4-2011, 0123 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Sun) // 1 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 17-4-2011, 1819 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) // 4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 21-4-2011, 2121 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K //4860 k Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 25-4-2011, 1019 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //10640 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 30-4-2011, 0920 UTC	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //10640 kHz Contr: (AB-HK)
6851.0	XB90	Mode: USB Date/time: Thu 7-4-2011, 1849 UTC	Beeper 90BPM i/p QSB3 weak to strong. Still on air at 1932z. Contr: (SWL1409)
6851.0	XB90	Mode: USB Date/time: Wed 13-4-2011, 1714 UTC	Beeper i/p. Contr: (SWL1409)
6855.0	V02a	Mode: AM Date/time: Mon 4-4-2011, 0300 UTC	(Signal garbled-YL/SS) Contr: (MS)
6855.0	V02a	Mode: AM Date/time: Mon 4-4-2011, 0300 UTC	SSYL atenció: ..... Contr: (westli)
6855.0	V02a	Mode: LSB Date/time: Mon 11-4-2011, 0300 UTC	SSYL: ..... Good sig. Up late, Caught late. Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 18-4-2011, 0300 UTC	SSYL atenció: ..... Sig cuts in and out... mostly out. Contr: (westli)



6878	M12	Mode: USB Date/time: Mon 4-4-2011, 0500 UTC	803 0 Contr: (HFD)
6880	M51	Mode: CW Date/time: 6-4-2011, 1131 UTC	FAV22 w. 5LG + timestamp A 06 18:46:18 1983 BT Contr: (dev)
6880	M51	Mode: CW Date/time: 6-4-2011, 1428 UTC	NR 51 A 06 16:26:11 1983 BT WHTCE TREQC SRHZZ ... Contr: (MPJ)
6904	M12	Mode: CW Date/time: 31-3-2011, 1940 UTC	257 1 614 71 80694 Contr: (FN)
6904	M12	Mode: USB Date/time: Mon 4-4-2011, 1840 UTC	257 1 Contr: (HFD)
6904	M12	Mode: USB Date/time: Mon 4-4-2011, 1940 UTC	257 1 Contr: (HFD)
6904.0	M12	Mode: CW Date/time: Mon 11-4-2011, 1940 UTC	Strong signal. 257 257 257 1 Same message as 1900z. End 1946z. Contr: (Spec)
6918.0	E06	Mode: USB Date/time: Sun 3-4-2011, 0030 UTC	Strong signal. 759 406 31 28633 11344 59678 ..... 90353 406 31 00000 End 0039z. Contr: (Spec)
6918.0	E06	Mode: USB Date/time: Sun 3-4-2011, 0030 UTC	Full AM, suppressed sideband. Interference by pirate and bc. Contr: (Pres)
6918.0	E06	Mode: USB Date/time: Sun 3-4-2011, 0030 UTC	Russian Man, excellent reception. Contr: (Saber)
6918.0	E06	Mode: USB Date/time: Sat 9-4-2011, 0030 UTC	Suppressed LSB Contr: (Pres)
6918.0	E06	Mode: USB Date/time: Sat 9-4-2011, 0030 UTC	Strong signal, some fading. 759 821 36 38970 ..... 7003 821 36 00000 End 0040z. Contr: (Spec)
6918.0	E06	Mode: AM Date/time: Sat 9-4-2011, 0030 UTC	correction of my previous submission. Contr: (IP-IT)
6918.0	E06	Mode: USB Date/time: Sun 10-4-2011, 0030 UTC	Russian Man, very quiet but clear. Contr: (Saber)
6918.0	E06	Mode: AM Date/time: Sun 10-4-2011, 0030 UTC	Contr: (IP-DE)
6918.0	E06	Mode: USB Date/time: Sun 10-4-2011, 0030 UTC	Strong signal, with fading. 759 821 36 38970 38692 ..... 70003 821 36 00000 Contr: (Spec)
6918.0	E06	Mode: AM Date/time: Fri 15-4-2011, 0030 UTC	Very Strong Contr: (Pres)
6918.0	E06	Mode: USB Date/time: Sat 16-4-2011, 0030 UTC	Strong signal. 759 248 30 43150 ..... 53575 248 30 0000 End 0039z. Contr: (Spec)
6918.0	E06	Mode: AM Date/time: Sat 16-4-2011, 0030 UTC	Contr: (IP-DE)
6918.0	E06	Mode: USB Date/time: Sat 16-4-2011, 0030 UTC	Russian Man, very clear. Contr: (Saber)
6918.0	E06	Mode: USB Date/time: Sun 17-4-2011, 0030 UTC	Strong signal. 759 248 30 43150 ..... 53575 248 30 00000 End 0039z. Contr: (Spec)
6918.0	E06	Mode: USB Date/time: Fri 22-4-2011, 0030 UTC	Russian Man, surprisingly loud and clear! Contr: (Saber)
6918.0	E06	Mode: USB Date/time: Fri 22-4-2011, 0030 UTC	Contr: (Pres)
6918.0	E06	Mode: AM Date/time: Sat 23-4-2011, 0030 UTC	Contr: (IP-POL)
6918.0	E06	Mode: USB Date/time: Sat 23-4-2011, 0030 UTC	Date correction, oops! Contr: (Saber)
6918.0	E06	Mode: AM Date/time: Sat 23-4-2011, 0030 UTC	Recording: <a href="http://tinyurl.com/3rjyo7p">http://tinyurl.com/3rjyo7p</a> Contr: (IP-POL)
6918.0	E06	Mode: USB Date/time: Sat 23-4-2011, 0030 UTC	Strong. 759 681 32 67212 ..... 25478 681 32 00000 End 0040z. Contr: (Spec)
6918.0	E06	Mode: USB Date/time: Sat 23-4-2011, 0030 UTC	Contr: (Danix)
6918.0	E06	Mode: AM Date/time: Sun 24-4-2011, 0029 UTC	Contr: (IP-DE)

6918.0	E06	Mode: USB Date/time: Sat 30-4-2011, 0030 UTC	Fair & fading. 759 306 48 39848 ..... 46943 306 48 00000 End 0042z. Contr: (Spec)
6918.0	E06	Mode: USB Date/time: Sat 30-4-2011, 0030 UTC	Russian Man, long message. Contr: (Saber)
6918.0	E06	Mode: AM Date/time: Sat 30-4-2011, 2030 UTC	Contr: (Pres)
6923.0	E06	Mode: USB Date/time: Sun 24-4-2011, 0030 UTC	Strong. 759 681 32 67212 ..... 25478 681 32 00000 End 0040z. Contr: (Spec)
6929	M12	Mode: USB Date/time: Thu 28-4-2011, 0400 UTC	890 1 Contr: (HFD)
6930	S06s	Mode: AM Date/time: 5-4-2011, 0715 UTC	374 218 5 50297 Contr: (FN)
6930	S06s	Mode: AM Date/time: 12-4-2011, 0715 UTC	374 218 5 50297 15244 64985 35524 83371 Contr: (HS2)
6941	E07	Mode: AM Date/time: 5-4-2011, 0700 UTC	902 902 902 000 Contr: (FN)
6941	E07	Mode: AM Date/time: 21-4-2011, 0700 UTC	902 902 902 000 Contr: (FN)
6941	E07	Mode: AM Date/time: 21-4-2011, 0700 UTC	902 000 Contr: (HS2)
6941	E07	Mode: USB Date/time: Thu 21-4-2011, 0700 UTC	902 0 Contr: (HFD)
6962	X06	Mode: AM Date/time: Tue 22-3-2011, 2140 UTC	Mazielka. Sequence: 164532 Contr: (E2K/UDXF)
6968.0	XPA	Mode: RTTY Date/time: Tue 5-4-2011, 0200 UTC	0-msg(?) Contr: (FMB)
6972	M12	Mode: USB Date/time: Wed 13-4-2011, 0400 UTC	913 1 Contr: (HFD)
7038.7	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "D" Sevastopol Contr: (AB)
7038.7	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "D" Contr: (AB)
7038.7	MX	Mode: CW Date/time: 13-4-2011, 2138 UTC	Beacon "D" Sevastopol Contr: (JPL-SVK)
7038.9	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "S" Contr: (AB)
7038.9	MX	Mode: CW Date/time: 13-4-2011, 2141 UTC	Beacon "S" Sevoromorsk Contr: (JPL-SVK)
7039	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "C" Moscow Contr: (AB)
7039	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "C" Contr: (AB)
7039	MX	Mode: CW Date/time: 13-4-2011, 2142 UTC	Beacon "C" Moscow Contr: (JPL-SVK)
7039.1	MX	Mode: CW Date/time: 8-4-2011, 2137 UTC	Beacon "A" Contr: (AB)
7039.2	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
7039.2	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
7039.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
7039.2	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
7039.3	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "K" Petropavlovsk Contr: (AB-HK)
7039.4	MX	Mode: CW Date/time: 23-3-2011, 1706 UTC	Beacon "M" Magadan Contr: (AB-HK)

7039.4	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "M" Magadan Contr: (AB-HK)
7039.4	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "M" Magadan Contr: (AB-HK)
7120	S06s	Mode: USB Date/time: Wed 6-4-2011, 1200 UTC	481-296/5=20163 Contr: (HFD)
7120	S06s	Mode: AM Date/time: 6-4-2011, 1200 UTC	481 296 5 20163 Contr: (FN)
7120.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1200 UTC	Weak signal. 481 296 5 20163 29076 57605 45562 63207 296 5 00000 End 1205z. Contr: (Spec)
7120.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1200 UTC	Weak signal. 481 296 5 20163 29076 57605 45562 63207 296 5 00000 End 1205z. Contr: (Spec)
7120.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1200 UTC	Very weak. 481 503 6 40789 29152 03617 22831 79545 75854 End 1206z. Contr: (Spec)
7120.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1200 UTC	Fair, QRM from hams. 481 503 6 40789 29152 03617 22831 79542 75854 ... 00000 End Contr: (Spec)
7164	S14	Mode: USB Date/time: 25-3-2011, 1641 UTC	Russian 10-counts Contr: (IARUMS)
7242	S06s	Mode: AM Date/time: 12-4-2011, 1500 UTC	537 412 6 84480] FN TUE Contr: (FN)
7242.0	S06s	Mode: USB Date/time: Tue 12-4-2011, 1510 UTC	Weak & fading signal. Same message as 1500z. End 1515z. Contr: (Spec)
7242.0	S06s	Mode: USB Date/time: Tue 26-4-2011, 1510 UTC	Weak & fading. Same message as 1500z. End 1516z. Contr: (Spec)
7317	G11	Mode: USB Date/time: 4-4-2011, 0940 UTC	271/38 A 86751 04025 .... 25722 Contr: (HS2)
7320	S06s	Mode: AM Date/time: 5-4-2011, 0800 UTC	418 960 5 49523 Contr: (FN)
7335	S06s	Mode: AM Date/time: 6-4-2011, 0830 UTC	745 286 9 55637 Contr: (FN)
7385	S06s	Mode: AM Date/time: 7-4-2011, 1240 UTC	314 892 5 46062 Contr: (FN)
7385	S06s	Mode: USB Date/time: Thu 7-4-2011, 1240 UTC	314 Contr: (HFD)
7437	E07	Mode: AM Date/time: 21-4-2011, 0430 UTC	411 411 411 000 Contr: (FN)
7437	E07a	Mode: USB Date/time: Thu 7-4-2011, 0430 UTC	411 0 Contr: (HFD)
7449	E11	Mode: USB Date/time: 20-4-2011, 1045 UTC	469/00 Contr: (HS2)
7449.0	E11	Mode: USB Date/time: Wed 6-4-2011, 1045 UTC	Weak signal, very hard to read. 469/00 Null message. End 1048z. Contr: (Spec)
7449.0	E11	Mode: USB Date/time: Wed 13-4-2011, 1045 UTC	Weak signal, faint audio during message. Difficult to read. 462/37 End 1055z. Contr: (Spec)
7449.0	E11	Mode: USB Date/time: Wed 27-4-2011, 1045 UTC	Very weak. 469/000 Null Message. End 1048z. Contr: (Spec)
7469	E11	Mode: USB Date/time: Wed 6-4-2011, 1045 UTC	469/00 Contr: (HFD)
7473	E07	Mode: AM Date/time: 6-4-2011, 2020 UTC	147 147 147 000 Contr: (FN)
7497.0	M51	Mode: CW Date/time: Sat 2-4-2011, 1703 UTC	(i.p.) nr 17 m 29 19:18:49 ... Contr: (FMB)
7516	E07	Mode: AM Date/time: 31-3-2011, 2110 UTC	584 1 749 90 10950 Contr: (FN)
7526	E07	Mode: AM Date/time: 7-4-2011, 2030 UTC	358 358 358 Contr: (FN)
7526	E07	Mode: USB Date/time: Thu 7-4-2011, 2030 UTC	358 0 Contr: (HFD)

7526	E07	Mode: AM Date/time: 14-4-2011, 2030 UTC	358 358 358 000 Contr: (FN)
7526.0	E07	Mode: USB Date/time: Thu 7-4-2011, 2030 UTC	Fair signal, some QRM. End 2032z. 358/000 Contr: (Spec)
7526.0	E07	Mode: USB Date/time: Thu 21-4-2011, 2030 UTC	Strong. 358 1 758 79 48231 ..... 01755 000 000 End 2040z. Contr: (Spec)
7526.0	E07	Mode: USB Date/time: Thu 28-4-2011, 2030 UTC	Very weak, faint audio. Difficult to copy. 358 358 358 1 752 79 End 2041z. Contr: (Spec)
7527	X06	Mode: AM Date/time: Fri 1-4-2011, 2004 UTC	Mazielka. Sequence: 164532 Contr: (E2K/UDXF)
7527.0	X06	Mode: AM Date/time: Fri 1-4-2011, 2004 UTC	164532 Contr: (Danix)
7568	XPA2	Mode: USB Date/time: Tue 19-4-2011, 1950 UTC	msg Contr: (HFD)
7582	M89	Mode: CW Date/time: 20-4-2011, 0025 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Wed) //8110 kHz Contr: (JPL-HK)
7582	M89	Mode: CW Date/time: 20-4-2011, 0607 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //8110 kHz Contr: (AB-HK)
7582	M89	Mode: CW Date/time: 21-4-2011, 0039 UTC	V 7NPE (x3) DE QV5B (x2) //8110 kHz Contr: (JPL-HK)
7582	M89	Mode: CW Date/time: 23-4-2011, 0621 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //8110 kHz Contr: (AB-HK)
7582	M89	Mode: CW Date/time: 26-4-2011, 0819 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //8110 kHz Contr: (AB-HK)
7582	M89	Mode: CW Date/time: 28-4-2011, 0152 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Thu) //8110 kHz Contr: (JPL-HK)
7582	M89	Mode: CW Date/time: 30-4-2011, 0000 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd). Message sent at 0040Z UGT C Contr: (JPL-HK)
7602	M89	Mode: CW Date/time: 8-4-2011, 0020 UTC	V DKG6 (x3) DE 3A7D (x2) (Cont'd) + message Contr: (JPL-AFS)
7602	M89	Mode: CW Date/time: 9-4-2011, 1553 UTC	V DKG6 DKG6 DKG6 DE 3A7D 3A7D Contr: (AB-HK)
7602	M89	Mode: CW Date/time: 22-4-2011, 2337 UTC	V DKG6 DE 3A7D (x2) (Cont'd) (Fri) Contr: (JPL-HK)
7602á	M89	Mode: CW Date/time: 14-4-2011, 2217 UTC	V DKG6 DKG6 DKG6 DE 3A7D 3A7D Contr: (AB-HK)
7605	S06s	Mode: USB Date/time: Wed 6-4-2011, 0820 UTC	471-295/6=54718 Contr: (HFD)
7605	S06s	Mode: AM Date/time: 6-4-2011, 0820 UTC	471 295 6 54718 Contr: (FN)
7605	S06s	Mode: AM Date/time: 20-4-2011, 0820 UTC	471 830 6 96587 41896 80891 52956 13524 51786 Contr: (HS2)
7620	S06s	Mode: AM Date/time: 13-4-2011, 1230 UTC	967 284 5 94682] FN WED Contr: (FN)
7620.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1230 UTC	Very weak, faint audio. Too weak to read. End 1235z. Contr: (Spec)
7620.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1230 UTC	Weak. 967 241 5 45741 11571 73426 50081 47212 End 1235z. Contr: (Spec)
7620.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1230 UTC	Very weak. 967 241 5 45741 11571 73426 50081 47212 241 5 00000 End 1236z. Contr: (Spec)
7650.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1230 UTC	Weak signal, moderate QRN. 967 284 5 34682 17566 66122 40995 14557 284 5 00000 Contr: (Spec)
7695	M42	Mode: Baudot 200/500 Date/time: 19-4-2011, 0403 UTC	Russian Gov/Intel. "00000+++++++162)5761" Contr: (ALF)
7733	M42	Mode: Baudot 200bd/500Hz Date/time: 28-4-2011, 2221 UTC	Russian Gov/Intel. Off-line crypto. Contr: (MCO)
7795	S06s	Mode: AM Date/time: 29-4-2011, 0600 UTC	196 000 Contr: (HS2)

7833	M89	Mode: CW Date/time: 8-4-2011, 0001 UTC	V QPZM (x3) DE WOXN (x2) + message Contr: (JPL-AFS)
7833	M89	Mode: CW Date/time: 22-4-2011, 2343 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Fri) Contr: (JPL-HK)
7833	M89	Mode: CW Date/time: 23-4-2011, 0931 UTC	V QPZM QPZM QPZM DE WOXN WOXN Contr: (AB-HK)
7833	M89	Mode: CW Date/time: 25-4-2011, 1010 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //5310 kHz Contr: (JPL-HK)
7890.0	SK01	Mode: RDFT Date/time: Tue 5-4-2011, 1030 UTC	Contr: (MS)
7890.0	SK01	Mode: RDFT Date/time: Thu 14-4-2011, 1030 UTC	Contr: (MS)
7931	M12	Mode: CW Date/time: 31-3-2011, 1920 UTC	257 1 614 71 80694 Contr: (FN)
7931	M12	Mode: USB Date/time: Mon 4-4-2011, 1820 UTC	257 1 Contr: (HFD)
7931	M12	Mode: USB Date/time: Mon 4-4-2011, 1920 UTC	257 1 Contr: (HFD)
7931.0	M12	Mode: CW Date/time: Mon 11-4-2011, 1920 UTC	Strong signal. 257 257 257 1 Same message as 1900z. End 1926z. Contr: (Spec)
7993.0	M42	Mode: RTTY Date/time: Thu 21-4-2011, 1810 UTC	unid FSK 200/1000 Hz Contr: (FMB)
7994	M21	Mode: CW Date/time: 23-4-2011, 0420 UTC	Russian Air Defense. Id 9. Barely audible Contr: (AB)
8009.0	M08a	Mode: CW Date/time: Thu 7-4-2011, 2200 UTC	..... 20031 ..... (Too weak for complete copy) Contr: (MS)
8009.0	M08a	Mode: CW Date/time: Mon 11-4-2011, 2300 UTC	5f cut nums: 58571 70852 57222 Weak sig. Contr: (westli)
8029	M12	Mode: USB Date/time: Tue 5-4-2011, 0420 UTC	890 1 Contr: (HFD)
8029	M12	Mode: USB Date/time: Thu 28-4-2011, 0420 UTC	890 1 Contr: (HFD)
8035.0	M01a	Mode: CW Date/time: Tue 5-4-2011, 0631 UTC	92t(x3) 82899(x2) ...;333 84798(x2) Contr: (FMB)
8035.0	M01a	Mode: CW Date/time: Tue 5-4-2011, 0729 UTC	41797 4167...=231 2t= 111 ttt Contr: (FMB)
8040.0	S06s	Mode: USB Date/time: Mon 11-4-2011, 1600 UTC	Fair signal, QRM from nearby data transmission. 176 834 5 78326 45362 81920 4836 Contr: (Spec)
8040.0	S06s	Mode: USB Date/time: Mon 25-4-2011, 1600 UTC	ID:176. Contr: (SWL1409)
8041	E07	Mode: AM Date/time: 5-4-2011, 0720 UTC	902 902 902 000 Contr: (FN)
8041	E07	Mode: USB Date/time: Thu 21-4-2011, 0720 UTC	902 0 Contr: (HFD)
8041	E07	Mode: AM Date/time: 21-4-2011, 0720 UTC	902 902 902 000 Contr: (FN)
8047	M12	Mode: USB Date/time: Wed 6-4-2011, 1700 UTC	463 1 Contr: (HFD)
8047.0	M12	Mode: CW Date/time: Wed 13-4-2011, 1705 UTC	i/p strong v.fast. End w/ 000 000. Contr: (SWL1409)
8067.4	M42	Mode: Crowd-36 Date/time: 19-4-2011, 1936 UTC	Russian Gov/Intel. Contr: (PPA)
8068	XPA2	Mode: USB Date/time: Tue 19-4-2011, 1930 UTC	msg Contr: (HFD)
8068.0	M42	Mode: USB Date/time: Wed 20-4-2011, 1922 UTC	(ip)(CROWD36) Contr: (FMB)
8074.0	M14	Mode: CW Date/time: Wed 6-4-2011, 1730 UTC	343 289 289 52 52 == 81t6t... ttttt Contr: (FMB)

8078	M12	Mode: USB Date/time: Mon 4-4-2011, 0520 UTC	803 0 Contr: (HFD)
8088	X06	Mode: AM Date/time: Mon 28-3-2011, 0824 UTC	Mazielka. Sequence: 532614 Contr: (E2K/UDXF)
8095.0	M14	Mode: CW Date/time: Sat 2-4-2011, 1736 UTC	(i.p.)61613 91181 3737t = 986 986 51 51 ttttt Contr: (FMB)
8097.0	M08a	Mode: MCW Date/time: Mon 11-4-2011, 1900 UTC	46772 .4501 3..22 (Very weak signal) Contr: (MS)
8097.0	M08a	Mode: MCW Date/time: Mon 11-4-2011, 1900 UTC	Contr: (Pres)
8104	X06	Mode: AM Date/time: 27-4-2011, 0736 UTC	Mazielka. Sequence: 412356 Contr: (HS2)
8105	S06s	Mode: AM Date/time: 13-4-2011, 1240 UTC	967 284 5 94682] FN WED Contr: (FN)
8105	X06	Mode: AM Date/time: 21-4-2011, 1803 UTC	Mazielka. Sequence: 314265 Contr: (FMB)
8105.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1240 UTC	Weak signal, moderate QRN. Same message as 1230z. End 1245z. Contr: (Spec)
8105.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1240 UTC	Weak signal. 967 284 5 34682 17566 66122 40995 14557 284 5 00000 End 1245z. Contr: (Spec)
8105.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1240 UTC	Very weak. Same message as 1230z. End 1245z. Contr: (Spec)
8105.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1240 UTC	Very weak. Same message as 1230z. End 1246z. Contr: (Spec)
8106.0	X06	Mode: USB Date/time: Thu 21-4-2011, 1803 UTC	ip Contr: (FMB)
8110	M89	Mode: CW Date/time: 20-4-2011, 0025 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Wed) //7582 kHz Contr: (JPL-HK)
8110	M89	Mode: CW Date/time: 20-4-2011, 0607 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //7582 kHz Contr: (AB-HK)
8110	M89	Mode: CW Date/time: 21-4-2011, 0039 UTC	V 7NPE (x3) DE QV5B (x2) //7582 kHz Contr: (JPL-HK)
8110	M89	Mode: CW Date/time: 23-4-2011, 0621 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //7582 kHz Contr: (AB-HK)
8110	M89	Mode: CW Date/time: 26-4-2011, 0819 UTC	V 7NPE 7NPE 7NPE DE QV5B QV5B //7582 kHz Contr: (AB-HK)
8110	M89	Mode: CW Date/time: 28-4-2011, 0152 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) (Thu) //7582 kHz Contr: (JPL-HK)
8110	M89	Mode: CW Date/time: 30-4-2011, 0000 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd). Message sent at 0040Z UGT C Contr: (JPL-HK)
8116	M12	Mode: USB Date/time: Thu 7-4-2011, 1840 UTC	124 1 Contr: (HFD)
8116.0	M12	Mode: CW Date/time: Thu 21-4-2011, 1840 UTC	ID: 124, DK/GC: 6590 67, not full copy due to fadings Contr: (Danix)
8116.0	M12	Mode: CW Date/time: Thu 28-4-2011, 1840 UTC	Strong signal. 124 124 124 1 74T4 85 Fast Morse 28 WPM. End 1848z. Contr: (Spec)
8123	E07	Mode: USB Date/time: Sun 3-4-2011, 1740 UTC	171 1 Contr: (HFD)
8123	E07	Mode: AM Date/time: 6-4-2011, 1740 UTC	171 1 289 79 13770 Contr: (FN)
8123	E07	Mode: AM Date/time: 20-4-2011, 1740 UTC	171 1 782 70 72553 16199 .... 61241 000 000 Contr: (HS2)
8123	E07	Mode: AM Date/time: 24-4-2011, 1740 UTC	171 1 703 44 98450 Contr: (FN)
8123	X06	Mode: AM Date/time: Sun 3-4-2011, 1638 UTC	Mazielka. Sequence: 1--6-- Contr: (E2K/UDXF)
8123	X06	Mode: AM Date/time: 3-4-2011, 1638 UTC	Mazielka. Sequence: 1--6-- Contr: (HS2)



8130.0	S06	Mode: USB Date/time: Mon 11-4-2011, 2115 UTC	Fair signal. 121 121 121 00000 End 2118z. Contr: (Spec)
8131	X06	Mode: AM Date/time: 20-4-2011, 1933 UTC	Mazielka. Sequence: 164532 Contr: (FMB)
8132.0	X06	Mode: USB Date/time: Wed 20-4-2011, 1933 UTC	(ip) Contr: (FMB)
8137	E07	Mode: AM Date/time: 21-4-2011, 0450 UTC	411 411 411 000 Contr: (FN)
8137	E07a	Mode: USB Date/time: Thu 7-4-2011, 0450 UTC	411 0 Contr: (HFD)
8153.0	E07	Mode: USB Date/time: Tue 26-4-2011, 1840 UTC	Strong. 346 1 1128 88 30772 ..... 25407 000 000 End 1852z. Contr: (Spec)
8162	S06	Mode: USB Date/time: Sat 16-4-2011, 1600 UTC	134 0 Contr: (HFD)
8166.0	M14	Mode: CW Date/time: Wed 20-4-2011, 1630 UTC	t58(R4) 627 627 18 18 == 74335(x2)... Contr: (FMB)
8168.	M42	Mode: Baudot 200bd/500Hz Date/time: 28-4-2011, 2216 UTC	Russian Gov/Intel. Off-line crypto. Contr: (MCO)
8172	M12	Mode: USB Date/time: Wed 13-4-2011, 0420 UTC	913 1 Contr: (HFD)
8173	E07	Mode: AM Date/time: 6-4-2011, 2000 UTC	147 147 147 000 Contr: (FN)
8173	E07	Mode: AM Date/time: 20-4-2011, 2000 UTC	147 000 Contr: (HS2)
8180.0	V02a	Mode: AM Date/time: Thu 28-4-2011, 0800 UTC	SSYL: ..... Good sig. Caught late. Contr: (westli)
8185.0	SK01	Mode: RDFT Date/time: Tue 5-4-2011, 1000 UTC	Contr: (Pres)
8185.0	SK01	Mode: RDFT Date/time: Thu 7-4-2011, 1000 UTC	Contr: (Pres)
8186.0	SK01	Mode: RDFT Date/time: Tue 5-4-2011, 1000 UTC	Contr: (MS)
8186.0	SK01	Mode: RDFT Date/time: Thu 14-4-2011, 1000 UTC	Contr: (MS)
8270	S06s	Mode: AM Date/time: Wed 6-4-2011, 1910 UTC	371 Contr: (HFD)
8270	S06s	Mode: AM Date/time: 20-4-2011, 1910 UTC	371 402 6 84459 72528 50628 45812 95668 45147 Contr: (HS2)
8270.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1910 UTC	Fair. Same message as 1900z. End 1916z. Contr: (Spec)
8312.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1949 UTC	Japanese Slot Machine Contr: (AB)
8313.0	XSL	Mode: USB Date/time: Thu 14-4-2011, 1422 UTC	Japanese Slot Machine in progress. Contr: (Spec-AUS)
8313.0	XSL	Mode: USB Date/time: Sat 16-4-2011, 0955 UTC	Strong signal. Japanese slot machine in progress. Contr: (Spec-AUS)
8313.0	XSL	Mode: USB Date/time: Mon 18-4-2011, 1317 UTC	Strong signal. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8313.0	XSL	Mode: USB Date/time: Wed 20-4-2011, 1317 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-HK)
8313.0	XSL	Mode: USB Date/time: Tue 26-4-2011, 1927 UTC	XJT QRM Contr: (SWL1409)
8313.0	XSL	Mode: USB Date/time: Fri 29-4-2011, 1538 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8494.9	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "S" Severomorsk Contr: (AB)
8495.2	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "F" Vladivostok Contr: (AB-HK)

8495.2	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "F" Vladivostok Contr: (EW)
8495.2	MX	Mode: CW Date/time: 2-4-2011, 1048 UTC	Beacon "F" Vladivostok Contr: (DMNZ)
8495.2	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
8495.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "M" Magadan Contr: (AB-HK)
8495.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
8495.2	MX	Mode: CW Date/time: 16-4-2011, 1344 UTC	Beacon "F" Vladivostok Contr: (EW)
8495.2	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
8495.4	MX	Mode: CW Date/time: 23-3-2011, 1706 UTC	Beacon "M" Magadan Contr: (AB-HK)
8495.4	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "M" Magadan Contr: (EW)
8495.4	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "M" Magadan Contr: (AB-HK)
8495.4	MX	Mode: CW Date/time: 16-4-2011, 1337 UTC	Beacon "M" Magadan Contr: (EW)
8495.4	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "M" Magadan Contr: (AB-HK)
8500	X06	Mode: AM Date/time: 11-4-2011, 0729 UTC	Mazielka. Two two tone scale. Heard between 0729 and 0833 UTC. Contr: (HS2)
8587.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1950 UTC	Japanese Slot Machine Contr: (AB)
8588.0	XSL	Mode: USB Date/time: Thu 14-4-2011, 1341 UTC	Japanese Slot Machine in progress. Contr: (Spec-AUS)
8588.0	XSL	Mode: USB Date/time: Sat 16-4-2011, 0956 UTC	Strong signal. Japanese slot machine in progress. Contr: (Spec-AUS)
8588.0	XSL	Mode: USB Date/time: Sun 17-4-2011, 2005 UTC	SINPO 34444 Contr: (Danix)
8588.0	XSL	Mode: USB Date/time: Mon 18-4-2011, 1318 UTC	Strong signal. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8588.0	XSL	Mode: USB Date/time: Wed 20-4-2011, 1324 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-HK)
8588.0	XSL	Mode: USB Date/time: Sun 24-4-2011, 1853 UTC	//8704 Contr: (Danix)
8588.0	XSL	Mode: USB Date/time: Tue 26-4-2011, 1928 UTC	Weak Contr: (SWL1409)
8588.0	XSL	Mode: USB Date/time: Fri 29-4-2011, 1538 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8650	S06s	Mode: AM Date/time: 7-4-2011, 1230 UTC	314 892 5 46062 Contr: (FN)
8650	S06s	Mode: AM Date/time: Thu 7-4-2011, 1230 UTC	314-892/5=46062 Contr: (HFD)
8695.0	S21	Mode: USB Date/time: Fri 15-4-2011, 0613 UTC	YL, 00000 at end of transmission. Contr: (AnEur)
8703.0	XSL	Mode: USB Date/time: Thu 14-4-2011, 1425 UTC	Japanese Slot Machine in progress. Contr: (Spec-AUS)
8703.0	XSL	Mode: USB Date/time: Sat 16-4-2011, 0957 UTC	Strong signal. Japanese slot machine in progress. Contr: (Spec-AUS)
8703.0	XSL	Mode: USB Date/time: Mon 18-4-2011, 1319 UTC	Strong signal. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8703.0	XSL	Mode: USB Date/time: Wed 20-4-2011, 1325 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-HK)



8703.0	XSL	Mode: USB Date/time: Fri 29-4-2011, 1538 UTC	Strong. Japanese Slot Machine in progress. Contr: (Spec-AUS)
8703.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1950 UTC	Japanese Slot Machine Contr: (AB)
8704.0	XSL	Mode: USB Date/time: Sun 24-4-2011, 1853 UTC	//8588 Contr: (Danix)
8704.0	XSL	Mode: USB Date/time: Tue 26-4-2011, 1000 UTC	Contr: (Pres)
8800	E11	Mode: USB Date/time: Wed 6-4-2011, 0930 UTC	270/00 Contr: (HFD)
8800	E11	Mode: USB Date/time: 20-4-2011, 0930 UTC	270/00 Contr: (HS2)
8858.0	XSL	Mode: USB Date/time: Tue 26-4-2011, 1000 UTC	Contr: (Pres)
9040.0	V02a	Mode: AM Date/time: Wed 6-4-2011, 0900 UTC	SSYL atenció: 27341 70671 26721 Weak sig. Contr: (westli)
9040.0	V02a	Mode: AM Date/time: Wed 13-4-2011, 0900 UTC	SSYL atenció: 37252 42472 53512 Good sig. Contr: (westli)
9040.0	V02a	Mode: AM Date/time: Wed 27-4-2011, 0900 UTC	SSYL atenció: 27531 57332 24211 Contr: (westli)
9052.0	M51	Mode: CW Date/time: Sat 2-4-2011, 1703 UTC	(i.p.) nr 17 m 29 19:18:49 ... Contr: (FMB)
9063.0	M08a	Mode: MCW Date/time: Fri 1-4-2011, 0800 UTC	5f cut nums: 72261 14262 37201 VG sig. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 0800 UTC	5f cut nums: 28371 27751 30771 VG sig. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0800 UTC	5f cut nums: 08552 46722 83852 VG sig. Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 22-4-2011, 0800 UTC	5f cut nums: 87281 43131 18631 Good sig. Contr: (westli)
9065	X06	Mode: AM Date/time: Thu 24-3-2011, 0834 UTC	Mazielka. Sequence: 561243 Contr: (E2K/UDXF)
9076	X06	Mode: AM Date/time: 4-4-2011, 1608 UTC	Mazielka. Sequence: 215346 Contr: (HS2)
9105	X06	Mode: AM Date/time: Wed 30-3-2011, 1501 UTC	Mazielka. Sequence: 463125 Contr: (E2K/UDXF)
9110.0	M08a	Mode: MCW Date/time: Fri 1-4-2011, 1000 UTC	Contr: (Pres)
9110.0	M08a	Mode: MCW Date/time: Mon 4-4-2011, 1000 UTC	Contr: (Pres)
9110.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 1000 UTC	Interfering with weatherfax. Contr: (Pres)
9110.0	M08a	Mode: MCW Date/time: Mon 11-4-2011, 1000 UTC	Contr: (Pres)
9112.0	M08a	Mode: MCW Date/time: Fri 1-4-2011, 1000 UTC	72261 00821 72511 Contr: (MS)
9112.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 1000 UTC	77812 15672 52881 Contr: (MS)
9112.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 1000 UTC	24051 26002 64081 Contr: (MS)
9112.0	SK01	Mode: RDFT Date/time: Mon 11-4-2011, 1032 UTC	Contr: (Pres)
9145	S06s	Mode: AM Date/time: 4-4-2011, 1200 UTC	831 472 6 10928 76843 67332 91765 33990 56743 Contr: (HS2)
9145.0	S06s	Mode: USB Date/time: Mon 11-4-2011, 1200 UTC	Weak signal. 831 472 6 10928 76843 67332 91765 33990 56743 472 6 00000 End 1206z Contr: (Spec)
9145.0	S06s	Mode: USB Date/time: Mon 18-4-2011, 1200 UTC	Fair signal. 831 295 6 34782 17455 55122 40995 14557 85672 ... 00000 End 1205z. Contr: (Spec)

9145.0	S06s	Mode: USB Date/time: Mon 25-4-2011, 1200 UTC	Weak. 831 295 6 34782 17455 55122 40995 14557 85672 295 6 00000 End 1206z. Contr: (Spec)
9150	M03	Mode: CW Date/time: 20-4-2011, 1115 UTC	650/00 Contr: (HS2)
9151.0	M?	Mode: CW Date/time: Thu 14-4-2011, 1337 UTC	(i.p. 5f5)== ttt ttt Contr: (FMB)
9153.0	M08a	Mode: MCW Date/time: Fri 1-4-2011, 0700 UTC	5f cut nums: 72261 14262 37201 VG sig. Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 0700 UTC	5f cut nums: ..... VG sig. Up late IP. Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0700 UTC	5f cut nums: 08552 46722 83852 VG sig. Contr: (westli)
9153.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0700 UTC	08552 46722 83852 Contr: (MS)
9153.0	M08a	Mode: MCW Date/time: Fri 22-4-2011, 0700 UTC	5f cut nums: ..... Good sig. Started with SK01 then into M8a IP. Contr: (westli)
9153.0	V26	Mode: USB Date/time: Sun 3-4-2011, 0927 UTC	Very weak signal. Chinese 3 figure groups. Contr: (Spec-HK)
9153.0	V26	Mode: USB Date/time: Sun 3-4-2011, 1312 UTC	Very weak signal. Difficult to read. Chinese 3 figure groups. Contr: (Spec-HK)
9153.0	V26	Mode: USB Date/time: Mon 25-4-2011, 1343 UTC	Weak with moderate QRN. Caught in progress. Contr: (Spec-HK)
9164	M12	Mode: CW Date/time: Wed 6-4-2011, 1910 UTC	191 0 Contr: (HFD)
9164.0	M12	Mode: MCW Date/time: Wed 20-4-2011, 1910 UTC	191(x3) 1 184 149 184 49 29179...ttt Contr: (FMB)
9175.0	M12	Mode: MCW Date/time: Thu 21-4-2011, 1904 UTC	(ip) Contr: (FMB)
9176	M12	Mode: CW Date/time: 31-3-2011, 1900 UTC	257 1 614 71 80694 Contr: (FN)
9176	M12	Mode: CW Date/time: Mon 4-4-2011, 1800 UTC	257 1 Contr: (HFD)
9176	M12	Mode: CW Date/time: Mon 4-4-2011, 1900 UTC	257 1 Contr: (HFD)
9176.0	M12	Mode: CW Date/time: Mon 11-4-2011, 1900 UTC	Strong signal. 257 257 257 1 End 1906z. Contr: (Spec)
9185.0	M42	Mode: RTTY Date/time: Thu 21-4-2011, 1904 UTC	unid FSK 200/500 Hz Contr: (FMB)
9208.0	E07	Mode: USB Date/time: Mon 11-4-2011, 1940 UTC	Strong signal. 172 172 172 000 Same as 1900z. End 1942z. Contr: (Spec)
9208.0	E07	Mode: USB Date/time: Wed 13-4-2011, 1940 UTC	Fair signal. 172/000 End 1942z. Contr: (Spec)
9208.0	E07	Mode: USB Date/time: Mon 18-4-2011, 1940 UTC	Strong signal. 172 000 End 1942z. Contr: (Spec)
9220	S06	Mode: AM Date/time: Wed 6-4-2011, 1900 UTC	371-980/5=99228 Contr: (HFD)
9220	S06s	Mode: AM Date/time: 6-4-2011, 1900 UTC	371 980 5 99228 Contr: (FN)
9220	S06s	Mode: AM Date/time: 6-4-2011, 1900 UTC	371 980 5 99228 Contr: (FN)
9220	S06s	Mode: AM Date/time: 20-4-2011, 1900 UTC	371 402 6 84459 72528 50628 45812 95668 45147 Contr: (HS2)
9220.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1900 UTC	Strong. 371 402 6 84459 72528 50628 45812 95668 45147 402 6 00000 End 1906z. Contr: (Spec)
9221.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1903 UTC	371(R3) 402 402 6 6 84459 ... Contr: (FMB)
9225	S06	Mode: AM Date/time: 20-4-2011, 0830 UTC	480 217 40 34415 80223 .... 54765 Contr: (HS2)

9235	X06	Mode: AM Date/time: Fri 1-4-2011, 1902 UTC	Mazielka. Sequence: 156234 Contr: (E2K/UDXF)
9240.0	V02a	Mode: AM Date/time: Wed 13-4-2011, 1000 UTC	Contr: (Pres)
9243	XPA	Mode: AM Date/time: Tue 5-4-2011, 1940 UTC	msg Contr: (HFD)
9243	XPA	Mode: AM Date/time: Thu 7-4-2011, 1940 UTC	msg Contr: (HFD)
9243	XPA	Mode: AM Date/time: 7-4-2011, 1940 UTC	922 1 00678 00151 56932 ... 24456 +++++ Contr: (FN)
9243.0	XPA	Mode: USB Date/time: Tue 5-4-2011, 1940 UTC	Fair signal with fading. End 1944z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Thu 7-4-2011, 1940 UTC	Fair signal with fading. End 1944z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Tue 12-4-2011, 1940 UTC	Fair & fading signal. Mild QRN. End 1945z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Thu 14-4-2011, 1940 UTC	Strong & fading. End 1945z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Thu 21-4-2011, 1940 UTC	Thanks to The Spectre 3000 for his earlier logs on this! Managed to catch it. Contr: (Saber)
9243.0	XPA	Mode: USB Date/time: Thu 21-4-2011, 1940 UTC	Strong with heavy QRM. End 1945z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1940 UTC	Weak & fading. End 1945z. Contr: (Spec)
9243.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1940 UTC	Fair, QSB3. End:1945z. Contr: (SWL1409)
9243.0	XPA	Mode: USB Date/time: Thu 28-4-2011, 1940 UTC	Strong signal. End 1946z. Contr: (Spec)
9250.0	S28	Mode: USB Date/time: Thu 14-4-2011, 1930 UTC	The buzzer found on this frequency, no message. Weak & fading. Contr: (Spec)
9255	S06s	Mode: AM Date/time: 6-4-2011, 0830 UTC	471 295 6 54718 Contr: (FN)
9255	S06s	Mode: AM Date/time: Wed 6-4-2011, 0830 UTC	471 Contr: (HFD)
9262.0	M12	Mode: MCW Date/time: Thu 21-4-2011, 1823 UTC	(ip) Contr: (FMB)
9264	M12	Mode: CW Date/time: Thu 7-4-2011, 1820 UTC	124 1 Contr: (HFD)
9264.0	M12	Mode: CW Date/time: Thu 28-4-2011, 1820 UTC	Strong signal. 124 124 124 1 74T4 85 Fast Morse 28 WPM. End 1828z. Contr: (Spec)
9274.0	M42	Mode: RTTY Date/time: Thu 21-4-2011, 1822 UTC	unid FSK 200/1000 Hz Contr: (FMB)
9286.0	E07?	Mode: USB Date/time: Tue 26-4-2011, 1820 UTC	Strong. 346 1 1128 88 30772 ..... 25407 000 000 End 1832z. Contr: (Spec)
9300	X06	Mode: AM Date/time: Fri 1-4-2011, 1503 UTC	Mazielka. Sequence: 211165 Contr: (E2K/UDXF)
9317	M12	Mode: CW Date/time: Fri 8-4-2011, 0600 UTC	417 1 Contr: (HFD)
9322.0	M01a	Mode: CW Date/time: Mon 4-4-2011, 1522 UTC	9t1(x3) 1tt63(x2)... Contr: (FMB)
9371	E11	Mode: USB Date/time: 21-4-2011, 1730 UTC	416/00 Contr: (HS2)
9372	M12	Mode: CW Date/time: Wed 13-4-2011, 0440 UTC	913 1 Contr: (HFD)
9387	E07	Mode: AM Date/time: 7-4-2011, 2010 UTC	358 358 358 Contr: (FN)
9387	E07	Mode: AM Date/time: Thu 7-4-2011, 2010 UTC	358 0 Contr: (HFD)

9387	E07	Mode: AM Date/time: 14-4-2011, 2010 UTC	358 358 358 000 Contr: (FN)
9387.0	E07	Mode: AM Date/time: Thu 7-4-2011, 0020 UTC	null msg; ID 358 358 358 000 Contr: (why-It)
9387.0	E07	Mode: USB Date/time: Thu 7-4-2011, 2010 UTC	Fair signal, but with heavy QRM from nearby station. 358/000 End 2012z. Contr: (Spec)
9387.0	E07	Mode: USB Date/time: Thu 21-4-2011, 2010 UTC	Strong with heavy QRM. Very hard to read. End 2020z. Contr: (Spec)
9387.0	E07	Mode: USB Date/time: Thu 28-4-2011, 2010 UTC	Strong, heavy QRM. Difficult to copy. End 2021z. Contr: (Spec)
9399	E11	Mode: USB Date/time: 4-4-2011, 0900 UTC	534/00 Contr: (HS2)
9399	E11	Mode: USB Date/time: 20-4-2011, 0900 UTC	534/00 Contr: (HS2)
9450	E25	Mode: AM Date/time: 10-4-2011, 1245 UTC	440 + msg Contr: (tING)
9450	E25	Mode: AM Date/time: 10-4-2011, 1315 UTC	780 785 54 (repeated) 78 (repeated) message 4FGs Contr: (tING)
9450	E25	Mode: AM Date/time: 10-4-2011, 1344 UTC	intro Arab music, 222 + msg Contr: (tING)
9450	E25	Mode: AM Date/time: 18-4-2011, 1245 UTC	440 + msg Contr: (tING)
9450	X06	Mode: AM Date/time: Mon 21-3-2011, 0757 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
9450.0	E25	Mode: AM Date/time: Sun 3-4-2011, 1253 UTC	Caught end of message. Egyptian lady. Weak signal. End 1254z. Contr: (Spec-GRC)
9450.0	E25	Mode: AM Date/time: Fri 8-4-2011, 1346 UTC	Fair signal, QRN. Arouh Le Min Intro. 222 8040 5450 2370 4475 7272 3874 2853 575 Contr: (Spec-GRC)
9480	S06s	Mode: AM Date/time: 6-4-2011, 0840 UTC	328 475 6 31055 Contr: (FN)
9480	S06s	Mode: AM Date/time: Wed 6-4-2011, 0840 UTC	328-475/6=31055 Contr: (HFD)
9495.0	M01a	Mode: CW Date/time: Mon 4-4-2011, 1442 UTC	(i.p.)27994 45392=822 2t= ttt Contr: (FMB)
9725	V13	Mode: USB Date/time: 15-4-2011, 0618 UTC	New Star i.p. Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 15-4-2011, 1200 UTC	New Star program 4. Music + coded msgs Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 15-4-2011, 1300 UTC	New Star program 4. Music + coded msgs Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 18-4-2011, 0529 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 18-4-2011, 0600 UTC	New Star Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 19-4-2011, 0518 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 20-4-2011, 0519 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 20-4-2011, 0600 UTC	New Star #4. Music followed by coded messages Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 23-4-2011, 0616 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 25-4-2011, 0606 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 30-4-2011, 0507 UTC	New Star in progress Contr: (AB-HK)
9725	V13	Mode: USB Date/time: 30-4-2011, 0600 UTC	New Star program #4 Contr: (AB-HK)

9725	V13	Mode: USB Date/time: 25-5-2011, 1325 UTC	New Star in progress Contr: (AB-HK)
9725.0	V13	Mode: USB Date/time: Sat 16-4-2011, 1200 UTC	Strong with some QRM. New Star Broadcasting. Contr: (Spec-AUS)
9725.0	V13	Mode: USB Date/time: Sun 17-4-2011, 1200 UTC	CCYL New Star #4. Msg set: 11-04-1. Contr: (westli)
9725.0	V13	Mode: USB Date/time: Sun 17-4-2011, 1300 UTC	CCYL New Star #4. Msg set: 11-04-1. Good sig. Contr: (westli)
9725.0	V13	Mode: USB Date/time: Mon 18-4-2011, 1300 UTC	Weak signal, heavy QRM. New Star Broadcasting in progress. Contr: (Spec-AUS)
9725.0	V13	Mode: USB Date/time: Wed 20-4-2011, 1300 UTC	Weak, heavy QRM. New Star Broadcasting in progress. Contr: (Spec-HK)
9725.0	V13	Mode: USB Date/time: Sat 23-4-2011, 1200 UTC	CCYL New Star #4. Msg set: 11-04-2. Contr: (westli)
9725.0	V13	Mode: USB Date/time: Sat 23-4-2011, 1300 UTC	CCYL New Star #4. Msg set: 11-04-2. Weak. Contr: (westli)
9725.0	V13	Mode: USB Date/time: Sat 30-4-2011, 1200 UTC	CCYL New Star #4. Msg set: 11-04-3. Contr: (westli)
9725.0	V13	Mode: USB Date/time: Sat 30-4-2011, 1300 UTC	CCYL New Star #4. Msg set: 11-04-3. QRM. Contr: (westli)
9840	S06s	Mode: AM Date/time: 5-4-2011, 0810 UTC	418 960 5 49523 Contr: (FN)
9923	X06	Mode: AM Date/time: Wed 30-3-2011, 1450 UTC	Mazielka. Sequence: 463125 Contr: (E2K/UDXF)
9923	X06	Mode: AM Date/time: 11-4-2011, 1327 UTC	Mazielka. Sequence: 463125 Contr: (HS2)
9923	X06	Mode: AM Date/time: 11-4-2011, 1331 UTC	Mazielka. Sequence: 463125 Contr: (Dan)
9940.0	M14	Mode: CW Date/time: Wed 6-4-2011, 1700 UTC	343 289 289 52 52 == 81t6t... ttttt Contr: (FMB)
9944.0	M14	Mode: CW Date/time: Sat 2-4-2011, 1706 UTC	(i.p.)61613 91181 3737t = 986 986 51 51 ttttt Contr: (FMB)
9960	S11a	Mode: USB Date/time: Tue 5-4-2011, 1020 UTC	426/00 Contr: (HFD)
9960	S11a	Mode: USB Date/time: 8-4-2011, 1020 UTC	426/00 Contr: (HS2)
9960	S11a	Mode: USB Date/time: 29-4-2011, 1020 UTC	426/00 Contr: (HS2)
9960.0	M51	Mode: MCW Date/time: Wed 20-4-2011, 1549 UTC	(ip) Contr: (FMB)
9963	M12	Mode: CW Date/time: Wed 6-4-2011, 1850 UTC	191 1 Contr: (HFD)
9964.0	M12	Mode: MCW Date/time: Wed 20-4-2011, 1850 UTC	191(x3) 1 184 149 184 49 29179...ttt Contr: (FMB)
10125	X06	Mode: AM Date/time: 11-3-2011, 1645 UTC	Mazielka Contr: (IARUMS)
10161	X06	Mode: AM Date/time: Mon 4-4-2011, 0725 UTC	Mazielka. Sequence: 165324 Contr: (E2K/UDXF)
10202	X06	Mode: AM Date/time: Tue 22-3-2011, 1636 UTC	Mazielka. Sequence: 215346 Contr: (E2K/UDXF)
10210.4	M42	Mode: Crowd-36 Date/time: 20-4-2011, 1947 UTC	Russian Gov/Intel. Contr: (PPA)
10215	M42	Mode: Baudot 200bd/500Hz Date/time: 28-4-2011, 2202 UTC	Russian Gov/Intel. Off-line crypto. Contr: (MCO)
10221	E11	Mode: USB Date/time: 29-4-2011, 0710 UTC	631/38 A 72344 98154 .... 46773 Contr: (HS2)
10243	XPA	Mode: AM Date/time: Tue 5-4-2011, 1920 UTC	msg Contr: (HFD)

10243	XPA	Mode: AM Date/time: Thu 7-4-2011, 1920 UTC	msg Contr: (HFD)
10243	XPA	Mode: AM Date/time: 7-4-2011, 1920 UTC	922 1 00678 00151 56932 ... 24456 +++++ Contr: (FN)
10243.0	XPA	Mode: USB Date/time: Tue 5-4-2011, 1920 UTC	Fair signal with fading. End 1924z. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Thu 7-4-2011, 1920 UTC	Fair signal with fading. End 1924. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Tue 12-4-2011, 1920 UTC	Signal ranged from weak to fair, within the duration of the transmission. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Thu 14-4-2011, 1920 UTC	Strong & fading. End 1925z. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Thu 21-4-2011, 1920 UTC	Weak & fading signal. End 1925z. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1920 UTC	Fair signal. End 1925z. Contr: (Spec)
10243.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1922 UTC	Caught i/p. Fair, QSB2. End:1925z Contr: (SWL1409)
10243.0	XPA	Mode: USB Date/time: Thu 28-4-2011, 1920 UTC	Fair & fading. End 1926z. Contr: (Spec)
10255	VTN	Mode: USB Date/time: 9-4-2011, 1559 UTC	Usual callup and message, repeated at 1607 UTC and 1613 UTC Contr: (AB-HK)
10255	VTN	Mode: USB Date/time: 14-4-2011, 1615 UTC	in progress Contr: (AB-HK)
10255	VTN	Mode: USB Date/time: 30-4-2011, 1600 UTC	Son Ca goi Hai Dang nam hai nam ba + 5FGs. repeated at 1607 an Contr: (AB-HK)
10255.0	VTN	Mode: USB Date/time: Fri 15-4-2011, 1600 UTC	Fair signal. Vietnamese numbers, 5 fig groups. End 1606z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Fri 15-4-2011, 1607 UTC	Fair signal. Vietnamese numbers, 5 fig groups. End 1613z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Fri 15-4-2011, 1615 UTC	Fair signal. Vietnamese numbers, 5 fig groups. End 1621z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 19-4-2011, 1600 UTC	Weak signal. Vietnamese 30 group message. 5 fig groups. End 1606z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 19-4-2011, 1607 UTC	Weak signal. Vietnamese 30 group message. 5 fig groups. End 1613z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 19-4-2011, 1614 UTC	Weak signal. Vietnamese 30 group message. 5 fig groups. End 1621z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 26-4-2011, 1600 UTC	Fair signal. Vietnamese 30 group message. 5 Fig groups. End 1606z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 26-4-2011, 1607 UTC	Fair signal. Vietnamese 30 group message. 5 Fig groups. End 1613z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Tue 26-4-2011, 1615 UTC	Fair signal. Vietnamese 30 group message. 5 Fig groups. End 1621z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Fri 29-4-2011, 1600 UTC	Fair, heavy QRM. Vietnamese, 30 grp 5 fig grps. End 1606z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Fri 29-4-2011, 1607 UTC	Fair, heavy QRM. Vietnamese, 30 grp 5 fig grps. End 1613z. Contr: (Spec-AUS)
10255.0	VTN	Mode: USB Date/time: Fri 29-4-2011, 1615 UTC	Fair, heavy QRM. Vietnamese, 30 grp 5 fig grps. End 1621z. Contr: (Spec-AUS)
10343	M12	Mode: CW Date/time: Thu 7-4-2011, 1800 UTC	124 1 Contr: (HFD)
10343.0	M12	Mode: CW Date/time: Thu 28-4-2011, 1800 UTC	Fair signal. 124 124 124 1 74T4 85 Fast Morse 28 WPM. End 1808z. Contr: (Spec)
10351.0	M51	Mode: MCW Date/time: Wed 20-4-2011, 1550 UTC	(ip) Contr: (FMB)
10367	XPA	Mode: AM Date/time: 5-4-2011, 1420 UTC	431 000 09651 00001 00000 10140 +++++ Contr: (FN)



10401.4	M42	Mode: Crowd-36 Date/time: 18-4-2011, 1846 UTC	Russian Gov/Intel. Contr: (PPA)
10405	PSY	Mode: USB Date/time: 9-4-2011, 0658 UTC	New psy-ops messages to Libyan naval vessels. Announced securi Contr: (AB)
10405	PSY	Mode: USB Date/time: 10-4-2011, 1102 UTC	Psy-ops messages to Libyan naval vessels Contr: (AB)
10405	PSY	Mode: USB Date/time: 14-4-2011, 0809 UTC	Psy-Ops msg to Libya Contr: (AB)
10405	PSY	Mode: USB Date/time: 15-4-2011, 0922 UTC	Strong jammer Contr: (AB)
10405	PSY	Mode: USB Date/time: 15-4-2011, 0930 UTC	Psy-Ops msg to Libya in Arab and English, jammer in the backgr Contr: (AB)
10405	PSY	Mode: USB Date/time: 18-4-2011, 0200 UTC	Psy-Ops msg to Libya Contr: (Brad)
10405	PSY	Mode: USB Date/time: 21-4-2011, 0933 UTC	NATO Psy-Ops msg to Libya Contr: (ting)
10405	PSY	Mode: USB Date/time: 22-4-2011, 1142 UTC	Psy-Ops msg to Libya Contr: (AB)
10431	M08a	Mode: CW Date/time: 15-4-2011, 0910 UTC	Sending 5ltr Groups Contr: (EW)
10432.0	M08a	Mode: CW Date/time: Fri 1-4-2011, 0900 UTC	5f cut nums: 72261 00821 72511 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 1-4-2011, 0900 UTC	72261 00821 72511 Contr: (MS)
10432.0	M08a	Mode: MCW Date/time: Sun 3-4-2011, 0900 UTC	5f cut nums: 21812 78361 75051 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 4-4-2011, 0900 UTC	5f cut nums: 50352 35401 20422 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 0900 UTC	5f cut nums: 77812 15672 52881 VG sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 8-4-2011, 0900 UTC	77812 15672 52881 Contr: (MS)
10432.0	M08a	Mode: MCW Date/time: Mon 11-4-2011, 0900 UTC	5f cut nums: 40452 78362 68011 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0900 UTC	5f cut nums: 24051 26002 64081 VG sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 15-4-2011, 0900 UTC	24051 26002 64081 Contr: (MS)
10432.0	M08a	Mode: MCW Date/time: Mon 18-4-2011, 0900 UTC	5f cut nums: 14832 78363 08212 VG sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 22-4-2011, 0900 UTC	5f cut nums: 87281 24842 37062 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 25-4-2011, 0900 UTC	5f cut nums: 67131 54082 45161 Good sig. Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 29-4-2011, 0900 UTC	5f cut nums: 44752 45101 35651 Good sig. Contr: (westli)
10445.0	M08a	Mode: CW Date/time: Thu 14-4-2011, 0300 UTC	5f cut nums: 55482 03212 20201 VG sig. Contr: (westli)
10445.0	M08a	Mode: CW Date/time: Thu 14-4-2011, 0300 UTC	55482 03212 20201 (WWUGN TDNAN NTNTA) Good S5 signal. Contr: (BKS)
10617	M12	Mode: CW Date/time: Fri 8-4-2011, 0620 UTC	417 1 Contr: (HFD)
10640	M89	Mode: CW Date/time: 17-4-2011, 0123 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (Sun) // 6 Contr: (JPL-HK)
10640	M89	Mode: CW Date/time: 25-4-2011, 1019 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //6840 kHz Contr: (JPL-HK)
10640	M89	Mode: CW Date/time: 30-4-2011, 0920 UTC	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k //6840 kHz Contr: (AB-HK)

10688.0	M42	Mode: RTTY Date/time: Thu 21-4-2011, 1800 UTC	unid FSK 200/1000 Hz Contr: (FMB)
10690	E11	Mode: USB Date/time: 4-4-2011, 0830 UTC	649/00 Contr: (HS2)
10690	E11	Mode: USB Date/time: 21-4-2011, 0830 UTC	649/00 Contr: (HS2)
10703	E07	Mode: AM Date/time: Sun 3-4-2011, 1720 UTC	171 1 Contr: (HFD)
10703	E07	Mode: AM Date/time: 6-4-2011, 1720 UTC	171 1 289 79 13770 Contr: (FN)
10703	E07	Mode: AM Date/time: 24-4-2011, 1720 UTC	171 1 703 44 98450 Contr: (FN)
10703.0	E07	Mode: AM Date/time: Sun 10-4-2011, 1720 UTC	171 171 171 1 Contr: (Danix)
10708	E07	Mode: AM Date/time: Mon 4-4-2011, 1920 UTC	172 0 Contr: (HFD)
10708	E07	Mode: AM Date/time: 4-4-2011, 1920 UTC	172 172 172 000 Contr: (FN)
10708	E07	Mode: AM Date/time: 4-4-2011, 1920 UTC	172 172 172 000 Contr: (FN)
10708	E07	Mode: AM Date/time: 6-4-2011, 1920 UTC	172 172 172 000 Contr: (FN)
10708.0	E07	Mode: USB Date/time: Mon 11-4-2011, 1920 UTC	Strong signal. 172 172 172 000 Same as 1900z. End 1922z. Contr: (Spec)
10708.0	E07	Mode: USB Date/time: Wed 13-4-2011, 1920 UTC	Strong signal. 172/000 End 1922z. Contr: (Spec)
10708.0	E07	Mode: USB Date/time: Mon 18-4-2011, 1920 UTC	Strong signal. 172 000 End 1922z. Contr: (Spec)
10708.0	E07	Mode: USB Date/time: Mon 25-4-2011, 1920 UTC	Strong signal. 172 000 End 1922z. Contr: (Spec)
10708.0	E07	Mode: USB Date/time: Wed 27-4-2011, 1920 UTC	Strong. 172 172 172 000 Null message. End 1922z. Contr: (Spec)
10714.0	M08a	Mode: CW Date/time: Wed 6-4-2011, 1300 UTC	02152 58462 22351 Contr: (MS)
10800	E11	Mode: USB Date/time: 21-4-2011, 0645 UTC	519/33 A 68569 72274 .... 41992 Contr: (HS2)
10800	X06b	Mode: AM Date/time: 27-4-2011, 1019 UTC	Mazielka. Two tones Contr: (HS2)
10835	S06s	Mode: AM Date/time: 13-4-2011, 0530 UTC	153 468 7 79646] FN WED Contr: (FN)
10857.0	M08a	Mode: CW Date/time: Wed 6-4-2011, 1400 UTC	02152 58462 22351 Contr: (MS)
10857.0	M08a	Mode: CW Date/time: Wed 13-4-2011, 1400 UTC	55252 21042 81252 Contr: (MS)
10857.0	M08a	Mode: CW Date/time: Wed 13-4-2011, 1400 UTC	5f cut nums: 55252 ..242 81252 Very weak sig. Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 20-4-2011, 1400 UTC	5f cut nums: 81231 88682 82311 Good sig. Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 27-4-2011, 1400 UTC	5f cut nums: 24421 48142 64502 Very weak sig. Contr: (westli)
10871.7	MX	Mode: CW Date/time: 7-4-2011, 1557 UTC	Beacon "D" Contr: (AB)
10871.78	MX	Mode: CW Date/time: 25-4-2011, 1944 UTC	Beacon "D" Sevastopol Contr: (MPJ)
10871.8	MX	Mode: CW Date/time: 12-4-2011, 1838 UTC	Beacon "D" Sevastopol (should be P) Contr: (MPJ)
10871.9	MX	Mode: CW Date/time: 5-4-2011, 1942 UTC	Beacon "S" Severomorsk Contr: (VL)



10871.9	MX	Mode: CW Date/time: 7-4-2011, 1557 UTC	Beacon "S" Contr: (AB)
10871.9	MX	Mode: CW Date/time: 12-4-2011, 1838 UTC	Beacon "S" Severomorsk Contr: (MPJ)
10871.9	MX	Mode: CW Date/time: 25-4-2011, 1944 UTC	Beacon "S" Severomorsk Contr: (MPJ)
10872	MX	Mode: CW Date/time: 7-4-2011, 1557 UTC	Beacon "C" Contr: (AB)
10872.1	MX	Mode: CW Date/time: 5-4-2011, 1940 UTC	Beacon "A" Astrakhan Contr: (VL)
10872.1	MX	Mode: CW Date/time: 7-4-2011, 1557 UTC	Beacon "A" Contr: (AB)
10872.1	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.1	MX	Mode: CW Date/time: 12-4-2011, 1838 UTC	Beacon "A" Astrakhan Contr: (MPJ)
10872.1	MX	Mode: CW Date/time: 25-4-2011, 1944 UTC	Beacon "A" Astrakhan Contr: (MPJ)
10872.1	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "A" Astrakhan Contr: (AB-HK)
10872.2	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.2	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "F" Vladivostok Contr: (EW)
10872.2	MX	Mode: CW Date/time: 2-4-2011, 1048 UTC	Beacon "F" Vladivostok Contr: (DMNZ)
10872.2	MX	Mode: CW Date/time: 2-4-2011, 2320 UTC	Beacon "F" Vladivostok Contr: (MDCA)
10872.2	MX	Mode: CW Date/time: 5-4-2011, 1940 UTC	Beacon "F" Vladivostok Contr: (VL)
10872.2	MX	Mode: CW Date/time: 14-4-2011, 0807 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.2	MX	Mode: CW Date/time: 16-4-2011, 1345 UTC	Beacon "F" Vladivostok Contr: (EW)
10872.2	MX	Mode: CW Date/time: 16-4-2011, 1928 UTC	Beacon "F" Vladivostok Contr: (PPA)
10872.2	MX	Mode: CW Date/time: 25-4-2011, 1944 UTC	Beacon "F" Vladivostok Contr: (MPJ)
10872.2	MX	Mode: CW Date/time: 26-4-2011, 0823 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.2	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
10872.3	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "K" Petropavlovsk Contr: (EW)
10872.3	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "K" Petropavlovsk Contr: (AB-HK)
10872.3	MX	Mode: CW Date/time: 16-4-2011, 1343 UTC	Beacon "K" Petropavlovsk Contr: (EW)
10872.4	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "M" Magadan Contr: (AB-HK)
10872.4	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "M" Magadan Contr: (EW)
10872.4	MX	Mode: CW Date/time: 5-4-2011, 1942 UTC	Beacon "M" Magadan Contr: (VL)
10872.4	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "M" Magadan Contr: (AB-HK)

10872.4	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "M" Magadan Contr: (AB-HK)
10872.4	MX	Mode: CW Date/time: 16-4-2011, 1339 UTC	Beacon "M" Magadan Contr: (EW)
10872.4	MX	Mode: CW Date/time: 29-4-2011, 1855 UTC	Beacon "M" Magadan Contr: (AB-HK)
10943	XPA	Mode: AM Date/time: Tue 5-4-2011, 1900 UTC	msg Contr: (HFD)
10943	XPA	Mode: AM Date/time: 7-4-2011, 1900 UTC	922 1 00678 00151 56932 ... 24456 +++++ Contr: (FN)
10943	XPA	Mode: AM Date/time: Thu 7-4-2011, 1900 UTC	msg Contr: (HFD)
10943.0	XPA	Mode: USB Date/time: Tue 5-4-2011, 1900 UTC	Fair signal. End 1904z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Thu 7-4-2011, 1900 UTC	Strong signal with fading. End 1904z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Tue 12-4-2011, 1900 UTC	Fair & fading signal. QRM from nearby RTTY transmission. End 1905z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Thu 14-4-2011, 1900 UTC	Strong & fading. End 1905z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Thu 21-4-2011, 1900 UTC	Strong signal. End 1905z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1900 UTC	Fair signal. End 1905z. Contr: (Spec)
10943.0	XPA	Mode: USB Date/time: Tue 26-4-2011, 1900 UTC	Fair, QSB3, data QRM2, fading. End:1905z Contr: (SWL1409)
10943.0	XPA	Mode: USB Date/time: Thu 28-4-2011, 1900 UTC	Very strong, QRM from RTTY. End 1906z. Contr: (Spec)
11040	S06s	Mode: AM Date/time: 6-4-2011, 0850 UTC	328 475 6 31055 Contr: (FN)
11040	S06s	Mode: AM Date/time: Wed 6-4-2011, 0850 UTC	328 Contr: (HFD)
11040	S06s	Mode: AM Date/time: 20-4-2011, 0850 UTC	328 591 6 74856 44856 55958 09475 94584 44532 Contr: (HS2)
11122	M42	Mode: Baudot 200/1000 Date/time: 19-4-2011, 1647 UTC	Russian Gov/Intel. Contr: (PPA)
11136	M51	Mode: CW Date/time: 13-4-2011, 2138 UTC	French Intel. CW training Contr: (MCO)
11163	M12	Mode: CW Date/time: Wed 6-4-2011, 1830 UTC	191 0 Contr: (HFD)
11300	X06	Mode: AM Date/time: Thu 24-3-2011, 1222 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
11300	X06	Mode: AM Date/time: Tue 29-3-2011, 0732 UTC	Mazielka. Sequence: 4----- Contr: (E2K/UDXF)
11300	X06	Mode: AM Date/time: Tue 29-3-2011, 0838 UTC	Mazielka. Sequence: 2----- Contr: (E2K/UDXF)
11300	X06	Mode: AM Date/time: Fri 1-4-2011, 1510 UTC	Mazielka. Sequence: 211165 Contr: (E2K/UDXF)
11411	X06	Mode: AM Date/time: Thu 24-3-2011, 1001 UTC	Mazielka. Sequence: 164532 Contr: (E2K/UDXF)
11438	X06	Mode: AM Date/time: Mon 21-3-2011, 1640 UTC	Mazielka. Sequence: 532614 Contr: (E2K/UDXF)
11460.0	S06s	Mode: USB Date/time: Mon 11-4-2011, 1210 UTC	Fair signal, with fading. Same message as 1200z. End 1216z. Contr: (Spec)
11460.0	S06s	Mode: USB Date/time: Mon 18-4-2011, 1210 UTC	Weak signal, Same message as 1200z. End 1215z. Contr: (Spec)
11460.0	S06s	Mode: USB Date/time: Mon 25-4-2011, 1210 UTC	ID:831. Strong. Contr: (SWL1409)

11460.0	S06s	Mode: USB Date/time: Mon 25-4-2011, 1210 UTC	Weak & Fading. Same message as 1200z. End 1216z. Contr: (Spec)
11467	XPA	Mode: AM Date/time: 5-4-2011, 1400 UTC	431 000 09651 00001 00000 10140 +++++ Contr: (FN)
11483	X06	Mode: AM Date/time: Wed 23-3-2011, 0850 UTC	Mazielka. Sequence: 412356 Contr: (E2K/UDXF)
11556	X06	Mode: AM Date/time: 8-4-2011, 0830 UTC	Mazielka. Sequence: 615243 Contr: (HS2)
11565.0	M08a	Mode: CW Date/time: Thu 7-4-2011, 0400 UTC	5f cut nums: ..... QRM4. Up early caught IP. Contr: (westli)
11565.0	M08a	Mode: CW Date/time: Thu 28-4-2011, 0400 UTC	5f cut nums: 26151 18711 48781 Contr: (westli)
11635	S06s	Mode: AM Date/time: 12-4-2011, 0800 UTC	352 987 6 66651 85324 35734 54225 35862 64030 Contr: (HS2)
11830	S06s	Mode: AM Date/time: 6-4-2011, 0840 UTC	745 286 9 55637 Contr: (FN)
11830	S06s	Mode: AM Date/time: 20-4-2011, 0840 UTC	745 932 6 38165 35446 57922 57857 95144 18454 Contr: (HS2)
12108	E07	Mode: AM Date/time: 4-4-2011, 1900 UTC	172 172 172 000 Contr: (FN)
12108	E07	Mode: AM Date/time: Mon 4-4-2011, 1900 UTC	172 0 Contr: (HFD)
12108	E07	Mode: AM Date/time: 4-4-2011, 1900 UTC	172 172 172 000 Contr: (FN)
12108	E07	Mode: AM Date/time: 6-4-2011, 1900 UTC	172 172 172 000 Contr: (FN)
12108	E07	Mode: AM Date/time: 20-4-2011, 1900 UTC	172 000 Contr: (HS2)
12108.0	E07	Mode: USB Date/time: Mon 11-4-2011, 1900 UTC	Strong signal. 172 172 172 000 Null Message. End 1902z. Contr: (Spec)
12108.0	E07	Mode: USB Date/time: Wed 13-4-2011, 1900 UTC	Strong signal. 172/000 End 1902z. Contr: (Spec)
12108.0	E07	Mode: USB Date/time: Mon 18-4-2011, 1900 UTC	Fair signal. 172 000 End 1902z. Contr: (Spec)
12108.0	E07	Mode: USB Date/time: Mon 25-4-2011, 1902 UTC	Strong signal. 172 000 End 1904z. Contr: (Spec)
12108.0	E07	Mode: USB Date/time: Wed 27-4-2011, 1900 UTC	Strong. 172 172 172 000 Null message. End 1902z. Contr: (Spec)
12116.0	M08a	Mode: CW Date/time: Thu 7-4-2011, 1300 UTC	83431 05622 24141 Contr: (MS)
12116.0	M08a	Mode: CW Date/time: Mon 11-4-2011, 1300 UTC	67672 03131 37581 Contr: (MS)
12116.0	M08a	Mode: CW Date/time: Thu 14-4-2011, 1300 UTC	..... 78482 (Late start) Contr: (MS)
12120	X06	Mode: AM Date/time: Tue 29-3-2011, 1437 UTC	Mazielka. Sequence: 164253 Contr: (E2K/UDXF)
12123	E07	Mode: AM Date/time: Sun 3-4-2011, 1700 UTC	171 1-289/79=53770 Contr: (HFD)
12123	E07	Mode: AM Date/time: 6-4-2011, 1700 UTC	171 1 289 79 13770 Contr: (FN)
12123	E07	Mode: AM Date/time: 24-4-2011, 1700 UTC	171 1 703 44 98450 Contr: (FN)
12134.0	M08a	Mode: CW Date/time: Mon 11-4-2011, 1400 UTC	5f cut nums: 37581 67672 13131 Missed leadoff group. Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Thu 14-4-2011, 1400 UTC	5f cut nums: 31731 54072 28482 Weak sig. Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Mon 18-4-2011, 1400 UTC	5f cut nums: 04411 ..... Good sig. Up early, caught late. Contr: (westli)

12134.0	M08a	Mode: CW Date/time: Thu 28-4-2011, 1400 UTC	5f cut nums: 60812 25321 61382 Weak sig. Contr: (westli)
12135.0	M08a	Mode: USB Date/time: Mon 18-4-2011, 1400 UTC	Contr: (Pres)
12140	S06s	Mode: AM Date/time: 1-4-2011, 0933 UTC	516 248 7 17424 Contr: (FN)
12140	S06s	Mode: AM Date/time: 15-4-2011, 0930 UTC	516 942 7 39198 19584 33363 54197 63857 78523 84675 Contr: (HS2)
12153	E11	Mode: USB Date/time: 4-4-2011, 1600 UTC	641/25 A 59472 62172 .... 84929 Contr: (HS2)
12164	M12	Mode: CW Date/time: Mon 11-4-2011, 1340 UTC	991 1 Contr: (HFD)
12167	X06	Mode: AM Date/time: Wed 30-3-2011, 1202 UTC	Mazielka. Sequence: 621543 Contr: (E2K/UDXF)
12170	S06s	Mode: AM Date/time: 13-4-2011, 0540 UTC	153 468 7 79646] FN WED Contr: (FN)
12180.0	M08a	Mode: CW Date/time: Thu 7-4-2011, 1900 UTC	(Too weak for copy) Contr: (MS)
12180.0	V02a	Mode: LSB Date/time: Thu 7-4-2011, 1900 UTC	M8a interruptions. Contr: (Pres)
12199	X06	Mode: AM Date/time: 4-4-2011, 1540 UTC	Mazielka. Sequence: 532614 Contr: (HS2)
12206	XPA	Mode: AM Date/time: 4-4-2011, 1820 UTC	Russian Intel. Polytone system. 5FGs Contr: (PPA)
12213	X06	Mode: AM Date/time: 8-4-2011, 0759 UTC	Mazielka. Sequence: 615243 Contr: (HS2)
12213	X06	Mode: AM Date/time: 8-4-2011, 0804 UTC	Mazielka. Sequence: 615243 Contr:
12214.0	M08a	Mode: CW Date/time: Tue 5-4-2011, 1300 UTC	08032 21712 47451 Contr: (MS)
12214.0	M08a	Mode: CW Date/time: Fri 15-4-2011, 1300 UTC	..... 88731 (Sked up late and IP at 1303z) Contr: (MS)
12218	M42	Mode: CROWD-36 Date/time: 19-4-2011, 2055 UTC	Russian Gov/Intel. Msg on link 30044 Contr: (MCO)
12224	X06	Mode: AM Date/time: Wed 30-3-2011, 1447 UTC	Mazielka. Sequence: 463125 Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: Wed 23-3-2011, 0750 UTC	Mazielka. Sequence: 1-2-3- Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: Thu 24-3-2011, 1222 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: Tue 29-3-2011, 0728 UTC	Mazielka. Sequence: 4----- Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: Tue 29-3-2011, 1209 UTC	Mazielka. Sequence: 4 Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: Fri 1-4-2011, 1045 UTC	Mazielka. Sequence: 1----5 Contr: (E2K/UDXF)
12300	X06	Mode: AM Date/time: 1-4-2011, 1045 UTC	Mazielka. Sequence: 1--5-- Contr: (HS2)
12300	X06	Mode: AM Date/time: 8-4-2011, 0839 UTC	Mazielka. Single tone to 0848zScale 6-----, Tone stopped 0848z Contr: (HS2)
12355	S06s	Mode: AM Date/time: 5-4-2011, 0610 UTC	438 957 6 10672 Contr: (FN)
12355	S06s	Mode: AM Date/time: 12-4-2011, 0610 UTC	438 957 6 10672 39486 56473 09918 67823 60156 Contr: (HS2)
12384.5	XSL	Mode: MFSK Date/time: 10-4-2011, 1558 UTC	Japan Maritime Self-Defense Force Contr: (PPA)
12560	S06s	Mode: AM Date/time: 7-4-2011, 1200 UTC	425 980 6 73268 Contr: (FN)

12687.0	M32	Mode: CW Date/time: Wed 6-4-2011, 1135 UTC	Russian Mil. Flash message. "XXX" Contr: (SWL1409)
12924	XSL	Mode: QPSK Date/time: 16-4-2011, 1820 UTC	Japan Maritime Self-Defense Force "Slot machine" Contr: (PPA)
12930	E17z	Mode: USB Date/time: Thu 14-4-2011, 0810 UTC	674-910/5=40015 Contr: (HFD)
12952	S06s	Mode: AM Date/time: 14-4-2011, 0900 UTC	167 942 5 34244 Contr: (FN)
12952	S06s	Mode: AM Date/time: 21-4-2011, 0900 UTC	167 832 5 33356 Contr: (FN)
12952	S06s	Mode: AM Date/time: Thu 21-4-2011, 0900 UTC	167-832/5=33356 Contr: (HFD)
13065	S06s	Mode: AM Date/time: 7-4-2011, 1210 UTC	425 980 6 73268 Contr: (FN)
13092	V26	Mode: USB Date/time: 6-4-2011, 1048 UTC	Automated sounding YL in Chinese. Contr: (BCA)
13092	V26	Mode: USB Date/time: 9-4-2011, 1043 UTC	in progress, mixing with maritime comms Contr: (AB-HK)
13300	X06	Mode: AM Date/time: Thu 24-3-2011, 1217 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
13300	X06	Mode: AM Date/time: Thu 24-3-2011, 1222 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
13300	X06	Mode: AM Date/time: Tue 29-3-2011, 0731 UTC	Mazielka. Sequence: 4---- Contr: (E2K/UDXF)
13355	S06s	Mode: AM Date/time: 13-4-2011, 1010 UTC	729 538 6 71677] FN WED Contr: (FN)
13365	S06s	Mode: AM Date/time: Wed 20-4-2011, 1000 UTC	729-541/6=47442 Contr: (HFD)
13365	S06s	Mode: AM Date/time: 20-4-2011, 1000 UTC	729 541 6 47442 67525 28187 03655 85024 48133 Contr: (HS2)
13365.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1000 UTC	Fair signal. 729 538 6 71677 15375 38659 95250 32856 59355 538 6 00000 End 1005z Contr: (Spec)
13365.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1000 UTC	Strong signal. 729 538 6 71677 15375 38659 95250 32856 59355 538 6 00000. End 10 Contr: (Spec)
13365.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1000 UTC	Strong. 729 541 6 47442 67525 28187 03655 85024 48133 541 6 00000 End 1006z. Contr: (Spec)
13369	M42	Mode: Baudot 200/1000 Date/time: 20-4-2011, 1801 UTC	Russian Gov/Intel. Contr: (PPA)
13374	XPA	Mode: AM Date/time: Mon 18-4-2011, 1810 UTC	msg new sked? Contr: (HFD)
13374.0	M08a	Mode: CW Date/time: Tue 5-4-2011, 1300 UTC	08032 21712 47451 Contr: (MS)
13375.0	M08a	Mode: AM Date/time: Tue 5-4-2011, 1400 UTC	5f cut nums: 08032 21712 47451 Weak sig. Contr: (westli)
13375.0	M08a	Mode: CW Date/time: Fri 15-4-2011, 1400 UTC	5f cut nums: 80451 ..... 88731 Very weak sig. Contr: (westli)
13380	V02a	Mode: AM Date/time: 28-4-2011, 2042 UTC	Spanish YL 5FGs Contr: (CILL)
13380.0	M08a	Mode: MCW Date/time: Tue 5-4-2011, 2000 UTC	5f cut nums: 36042 70181 64511 Contr: (westli)
13380.0	M08a	Mode: MCW Date/time: Tue 5-4-2011, 2000 UTC	(Too weak for copy) Contr: (MS)
13380.0	M08a	Mode: CW Date/time: Thu 21-4-2011, 2030 UTC	Under v2a. Contr: (Pres)
13380.0	M08a	Mode: USB Date/time: Thu 28-4-2011, 2030 UTC	Under v2a. Contr: (Pres)
13380.0	V02a	Mode: LSB Date/time: Thu 7-4-2011, 2000 UTC	Mixing with M8a. Contr: (Pres)

13380.0	V02a	Mode: USB Date/time: Tue 19-4-2011, 2000 UTC	Contr: (Pres)
13380.0	V02a	Mode: AM Date/time: Thu 21-4-2011, 2000 UTC	Contr: (Pres)
13380.0	V02a	Mode: AM Date/time: Tue 26-4-2011, 2000 UTC	SSYL atenció: 47202 71631 75352 Weak sig. Poorly modulated signal. Contr: (westli)
13380.0	V02a	Mode: USB Date/time: Thu 28-4-2011, 2000 UTC	Contr: (Pres)
13380.0	V02a	Mode: AM Date/time: Thu 28-4-2011, 2000 UTC	SSYL atenció: 76871 13386 33762 Weak sig. Poorly modulated again. Contr: (westli)
13506	X06	Mode: AM Date/time: Fri 1-4-2011, 1436 UTC	Mazielka. Sequence: 164532 Contr: (E2K/UDXF)
13515	S06s	Mode: AM Date/time: 1-4-2011, 0944 UTC	516 248 7 17424 Contr: (FN)
13515	S06s	Mode: AM Date/time: 15-4-2011, 0940 UTC	516 942 7 39198 19584 33363 54197 63857 78523 84675 Contr: (HS2)
13517	X06	Mode: AM Date/time: Wed 30-3-2011, 1510 UTC	Mazielka. Sequence: 463125 Contr: (E2K/UDXF)
13517	X06	Mode: AM Date/time: 11-4-2011, 0952 UTC	Mazielka. Sequence: 463125 Contr: (HS2)
13517	X06	Mode: AM Date/time: 11-4-2011, 1334 UTC	Mazielka. Sequence: 463125 Contr: (HS2)
13527.7	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "D" Sevastopol Contr: (AB)
13527.7	MX	Mode: CW Date/time: 2-4-2011, 1112 UTC	Beacon "D" Sevastopol 'D' barely audible above the noise floor Contr: (NWM)
13527.7	MX	Mode: CW Date/time: 4-4-2011, 0645 UTC	Beacon "D" Sevastopol Contr: (VL)
13527.7	MX	Mode: CW Date/time: Wed 20-4-2011, 1312 UTC	"D" beacon. Weak. Contr: (SWL1409)
13528	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "C" Moscow Contr: (AB)
13528	MX	Mode: CW Date/time: 2-4-2011, 1112 UTC	Beacon "C" Moscow Contr: (NWM)
13528	MX	Mode: CW Date/time: 4-4-2011, 0644 UTC	Beacon "C" Moscow Contr: (VL)
13528	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "C" Contr: (AB)
13528.1	MX	Mode: CW Date/time: 23-3-2011, 1645 UTC	Beacon "A" Astrakhan Contr: (AB)
13528.1	MX	Mode: CW Date/time: 4-4-2011, 0643 UTC	Beacon "A" Astrakhan Contr: (VL)
13528.1	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "A" Contr: (AB)
13528.2	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
13528.4	MX	Mode: CW Date/time: 23-3-2011, 1706 UTC	Beacon "M" Magadan Contr: (AB-HK)
13528.4	MX	Mode: CW Date/time: 2-4-2011, 1045 UTC	Beacon "M" Magadan Contr: (EW)
13528.4	MX	Mode: CW Date/time: 4-4-2011, 0642 UTC	Beacon "M" Magadan Contr: (VL)
13528.4	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "M" Contr: (AB)
13528.4	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "M" Magadan Contr: (AB-HK)
13528.4	MX	Mode: CW Date/time: 14-4-2011, 1513 UTC	Beacon "M" Magadan Contr: (AB-HK)



13528.4	MX	Mode: CW Date/time: 16-4-2011, 1340 UTC	Beacon "M" Magadan Contr: (EW)
13530	E06	Mode: AM Date/time: Fri 15-4-2011, 0500 UTC	951-842/163=65110 Contr: (HFD)
13530	E06	Mode: AM Date/time: 21-4-2011, 0500 UTC	951 460 137 37321 46942 .... 02769 Contr: (HS2)
13565	S06a	Mode: AM Date/time: Thu 7-4-2011, 0910 UTC	167-942/5=34244 Contr: (HFD)
13565	S06a	Mode: AM Date/time: Thu 21-4-2011, 0920 UTC	167 Contr: (HFD)
13565	S06s	Mode: AM Date/time: 14-4-2011, 0910 UTC	167 942 5 34244 Contr: (FN)
13565	S06s	Mode: AM Date/time: 21-4-2011, 0910 UTC	167 832 5 33356 Contr: (FN)
13875	X06	Mode: AM Date/time: Fri 1-4-2011, 1444 UTC	Mazielka. Sequence: 314365 Contr: (E2K/UDXF)
13961	X06	Mode: AM Date/time: Fri 1-4-2011, 0832 UTC	Mazielka. Sequence: 216354 Contr: (E2K/UDXF)
13961	X06	Mode: AM Date/time: 4-4-2011, 1552 UTC	Mazielka. Sequence: 216354 Contr: (HS2)
13972	M12	Mode: CW Date/time: Mon 11-4-2011, 1320 UTC	991 1 Contr: (HFD)
13979	X06	Mode: AM Date/time: 28-4-2011, 1418 UTC	Mazielka. Sequence: 215346 Contr: (HS2)
14080	S06s	Mode: AM Date/time: 5-4-2011, 0600 UTC	438 957 6 10672 Contr: (FN)
14260	E17z	Mode: USB Date/time: Thu 14-4-2011, 0800 UTC	674-910/5=40015 Contr: (HFD)
14260	E17z	Mode: USB Date/time: 21-4-2011, 0800 UTC	674 891 5 45569 31255 14066 39900 18582 Contr: (HS2)
14260	E17z	Mode: USB Date/time: 21-4-2011, 0800 UTC	674 891 5 45569 Contr: (FN)
14260	S06s	Mode: AM Date/time: 14-4-2011, 0800 UTC	674 910 5 40015 EE speaking YL, stops in mid txt Contr: (FN)
14300	X06	Mode: AM Date/time: Thu 24-3-2011, 1222 UTC	Mazielka. Sequence: 1---6- Contr: (E2K/UDXF)
14300	X06	Mode: AM Date/time: Tue 29-3-2011, 0733 UTC	Mazielka. Sequence: 4----- Contr: (E2K/UDXF)
14300	X06	Mode: AM Date/time: Tue 29-3-2011, 1147 UTC	Mazielka. Sequence: 2 Contr: (E2K/UDXF)
14300	X06	Mode: AM Date/time: 1-4-2011, 1045 UTC	Mazielka. Sequence: 1--5-- Contr: (HS2)
14300	X06	Mode: AM Date/time: Fri 1-4-2011, 1046 UTC	Mazielka. Sequence: 1----5 Contr: (E2K/UDXF)
14300	X06	Mode: AM Date/time: 11-4-2011, 0841 UTC	Mazielka. Sequence: 555234 Contr: (LDO)
14300	X06	Mode: AM Date/time: 11-4-2011, 0920 UTC	Mazielka. Sending long 5 then 234 Contr: (MUK)
14387.5	M42	Mode: CROWD36 Date/time: 15-4-2011, 1147 UTC	Russian Gov/Intel. Contr: (EW)
14501	X06	Mode: AM Date/time: 1-4-2011, 1022 UTC	Mazielka. Sequence: 361245 Contr: (HS2)
14501	X06	Mode: AM Date/time: Fri 1-4-2011, 1023 UTC	Mazielka. Sequence: 361245 Contr: (E2K/UDXF)
14505	S06s	Mode: AM Date/time: 13-4-2011, 1000 UTC	729 538 6 71677] FN WED Contr: (FN)
14505	S06s	Mode: AM Date/time: 20-4-2011, 1010 UTC	729 541 6 47442 67525 28187 03655 85024 48133 Contr: (HS2)



14505	S06s	Mode: AM Date/time: Wed 20-4-2011, 1010 UTC	729 Contr: (HFD)
14505.0	S06s	Mode: USB Date/time: Wed 6-4-2011, 1010 UTC	Fair signal with fading. Same message as 1000z. End 1015z. Contr: (Spec)
14505.0	S06s	Mode: USB Date/time: Wed 13-4-2011, 1010 UTC	Strong signal. Same message as 1000z. End 1016z. Contr: (Spec)
14505.0	S06s	Mode: USB Date/time: Wed 20-4-2011, 1010 UTC	Very weak. Caught call & code key. 729 541 5 ..... End 1015z. Contr: (Spec)
14505.0	S06s	Mode: USB Date/time: Wed 27-4-2011, 1010 UTC	Strong. Same message as 1000z. End 1016z. Contr: (Spec)
14630.5	M42	Mode: CROWD-36 Date/time: 26-4-2011, 1347 UTC	Russian Gov/Intel Contr: (GN)
14643	M42	Mode: Baudot 200bd/500Hz Date/time: 30-4-2011, 1203 UTC	Russian Gov/Intel. Repeats "576 1 00000 +++++ +++++ 162" Contr: (MCO)
14650	X06	Mode: AM Date/time: Fri 1-4-2011, 0830 UTC	Mazielka. Sequence: 215346 Contr: (E2K/UDXF)
14650	X06	Mode: AM Date/time: Fri 1-4-2011, 1413 UTC	Mazielka. Sequence: 215346 Contr: (E2K/UDXF)
14650	X06	Mode: AM Date/time: 28-4-2011, 1413 UTC	Mazielka. Sequence: 215346 Contr: (HS2)
14655	X06	Mode: AM Date/time: Mon 21-3-2011, 0747 UTC	Mazielka Contr: (E2K/UDXF)
14655	X06	Mode: AM Date/time: Tue 29-3-2011, 1047 UTC	Mazielka. Sequence: 164253 Contr: (E2K/UDXF)
14655	X06	Mode: AM Date/time: Tue 29-3-2011, 1132 UTC	Mazielka. Sequence: 164253 Contr: (E2K/UDXF)
14655	X06	Mode: AM Date/time: Wed 30-3-2011, 1110 UTC	Mazielka. Sequence: 164253 Contr: (E2K/UDXF)
14655	X06	Mode: AM Date/time: Wed 30-3-2011, 1211 UTC	Mazielka. Sequence: 164532 Contr: (E2K/UDXF)
14824	X06	Mode: AM Date/time: Fri 1-4-2011, 1014 UTC	Mazielka. Sequence: 625413 Contr: (E2K/UDXF)
14824	X06	Mode: AM Date/time: 1-4-2011, 1020 UTC	Mazielka. Sequence: 625413 Contr: (HS2)
14863	X06	Mode: AM Date/time: 8-4-2011, 0832 UTC	Mazielka. Sequence: 615243 Contr: (HS2)
14871	X06	Mode: AM Date/time: Tue 22-3-2011, 0606 UTC	Mazielka. Sequence: 156234 Contr: (E2K/UDXF)
14871	X06	Mode: AM Date/time: Sat 26-3-2011, 1217 UTC	Mazielka. Sequence: 156234 Contr: (E2K/UDXF)
14871	X06	Mode: AM Date/time: Fri 1-4-2011, 1032 UTC	Mazielka. Sequence: 156234 Contr: (E2K/UDXF)
14871	X06	Mode: AM Date/time: Fri 1-4-2011, 1342 UTC	Mazielka. Sequence: 156234 Contr: (E2K/UDXF)
14910	E06	Mode: AM Date/time: 15-4-2011, 0600 UTC	English man. Very long message Contr: (EW)
14910	E06	Mode: AM Date/time: 15-4-2011, 0615 UTC	i.p. very long message Contr: (AB)
14964	M12	Mode: CW Date/time: Mon 11-4-2011, 1300 UTC	991 1 Contr: (HFD)
15656	X06	Mode: AM Date/time: 11-4-2011, 1302 UTC	Mazielka. Sequence: 364152 Contr: (HS2)
16058	X06	Mode: AM Date/time: 10-4-2011, 1039 UTC	Mazielka. Sequence: 261453 Contr: (wp3)
16066	M51	Mode: CW Date/time: 13-4-2011, 2138 UTC	French Intel. CW training Contr: (MCO)
16116	X06	Mode: AM Date/time: Wed 23-3-2011, 0900 UTC	Mazielka. Sequence: 134265 Contr: (E2K/UDXF)

16318	S06s	Mode: AM Date/time: 29-4-2011, 0930 UTC	842 951 34 15611 82729 .... 10159 Contr: (HS2)
16331.7	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "D" Sevastopol Contr: (AB)
16331.7	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "D" Contr: (AB)
16331.7	MX	Mode: CW Date/time: Tue 26-4-2011, 1750 UTC	"D" Sevastopol Contr: (HFD)
16331.9	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "S" Severomorsk Contr: (AB)
16331.9	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "S" Contr: (AB)
16332	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "C" Moscow Contr: (AB)
16332	MX	Mode: CW Date/time: 2-4-2011, 1112 UTC	Beacon "C" Moscow Contr: (NWM)
16332	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "C" Contr: (AB)
16332	MX	Mode: CW Date/time: Tue 26-4-2011, 1750 UTC	"C" Moscow Contr: (HFD)
16332.1	MX	Mode: CW Date/time: 2-4-2011, 1112 UTC	Beacon "A" Astrakhan Contr: (NWM)
16332.2	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
16332.2	MX	Mode: CW Date/time: 6-4-2011, 0556 UTC	Beacon "F" Vladivostok Contr: (VL)
16332.2	MX	Mode: CW Date/time: 14-4-2011, 0807 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
16332.2	MX	Mode: CW Date/time: 26-4-2011, 0823 UTC	Beacon "F" Vladivostok Contr: (AB-HK)
16332.3	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "K" Petropavlovsk Contr: (AB-HK)
16332.4	MX	Mode: CW Date/time: 23-3-2011, 0931 UTC	Beacon "M" Magadan Contr: (AB-HK)
16332.4	MX	Mode: CW Date/time: 9-4-2011, 1033 UTC	Beacon "M" Magadan Contr: (AB-HK)
16553.5	XSL	Mode: QPSK Date/time: 15-4-2011, 1814 UTC	Japan Maritime Self-Defense Force "Slot machine" Contr: (PPA)
17175á	X06	Mode: AM Date/time: 28-4-2011, 1525 UTC	Mazielka Contr: (GN)
17445	X06	Mode: AM Date/time: 6-4-2011, 0725 UTC	Mazielka. Sequence: 362154 Contr: (EW)
17455	M42	Mode: Baudot 100/500i Date/time: 6-4-2011, 0712 UTC	Dept of State, Moscow. Message on link 11101 60191 00000 06009 Contr: (EW)
17465.0	XPA2	Mode: USB Date/time: Sat 2-4-2011, 1900 UTC	Contr: (Pres)
18245	X06	Mode: AM Date/time: Fri 1-4-2011, 1245 UTC	Mazielka. Sequence: 231654 Contr: (E2K/UDXF)
20047.7	MX	Mode: CW Date/time: 23-3-2011, 1310 UTC	Beacon "D" Sevastopol Contr: (AB)
20047.7	MX	Mode: CW Date/time: 8-4-2011, 1600 UTC	Beacon "D" Contr: (AB)
20047.7	MX	Mode: CW Date/time: 10-4-2011, 0752 UTC	Beacon "D" Contr: (BvR)
20048	MX	Mode: CW Date/time: 23-3-2011, 1025 UTC	Beacon "C" Moscow Contr: (AB)

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**Utility DXers Forum** (utility and spooks related logs)

To become a member go to <http://groups.yahoo.com/group/udxf/> and follow the instructions.

Website: <http://www.udxf.nl>

**Spooks** (spooks related info and logs)

Go to the web interface <http://mailman.gth.net/mailman/listinfo/spooks> to subscribe. Fill in the form and follow the instructions that will be mailed to you.