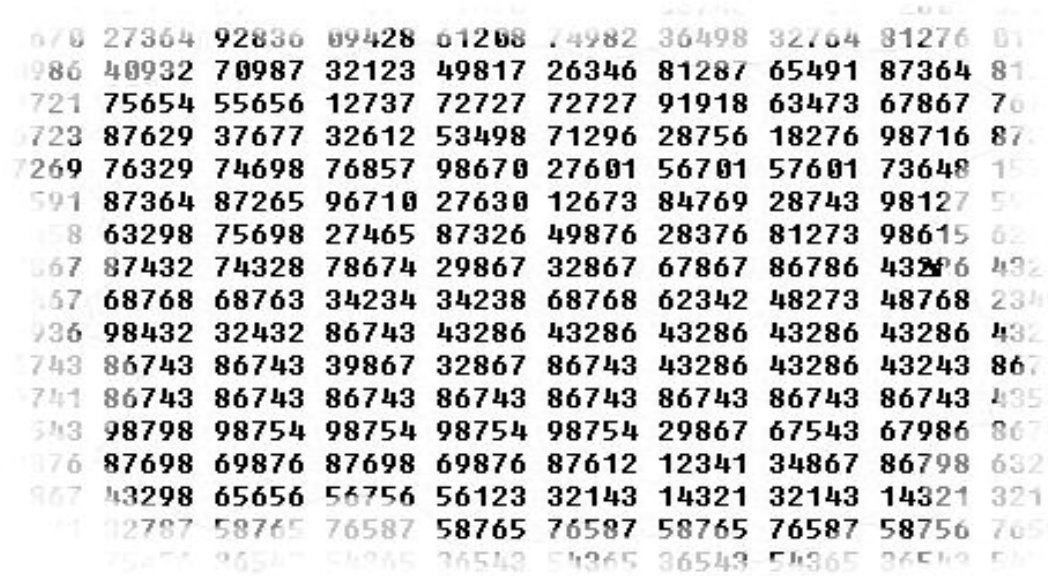

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #162, March 2011

Editor: Ary Boender email: ary@luna.nl

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

NUMBERS & ODDITIES	**http://www.ary.luna.nl**
	http://www.numbersoddities.nl
SPY NUMBERS ONLINE DATABASE	**http://www.spynumbers.com/numbersDB**
UTILITY DXERS FORUM (UDXF)	**http://www.udxf.nl**

Hello all,

Welcome to the 162nd edition of "Numbers & Oddities".

The world is in turmoil. After the earth quake in Christchurch, NZ, the Japanese disasters shocked the world. The unrest in many Arab countries, especially in Libya, got the interest of many dxers from all over the world. UDXF got 53 new members since the Libyan conflict started on the 19th and the N&O and UDXF websites received more visitors than ever before. Blogs and twitter messages about Libyan radio intercepts can be found all over the internet.

My sympathy goes to the UDXF members in all those countries. I hope that they are doing fine.

I recently visited the Cryptome website. They have a nice collection Google Earth pictures of various military and intelligence sites: http://cryptome.org/eyeball/ilsig/ilsig-eyeball.htm

ENIGMA 2000 has updated its Control list. I have uploaded it to the N&O website. I have also uploaded an additional list with N&O designators for stations that have no ENIGMA designator http://www.numbersoddities.nl

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VOICE STATIONS

E10 - Israeli Intelligence

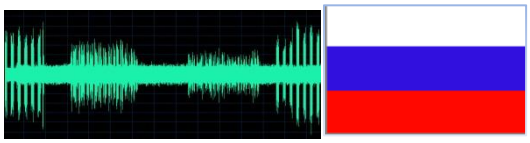
!

In November I mentioned that E10 had dramatically reduced the number of broadcasts in the past year. In the first two months of 2011 even less transmissions were noted and finally nothing has been heard since March 1st.

It looks like E10 went down the drain after at least 45 years of activity. When the station exactly started is not clear. The first reports are from the mid 1960's. It always used female voices. Both live and recorded transmissions have been noted in the early days.

Logs and recordings from the 1960's and 1970's are very welcome. Especially those of the live transmissions.

S28 - The Buzzer (UVB-76 / MDZhB)



Wolfgang copied a Russian Military station that used callsign LNR4. He heard it on 12606 kHz at 1135 UTC on March 2nd. It is the same call that was used in February and also on March 4th by S28. Message "LNR4 LNR4 96286 frenolog 4955 2550 k".

The transmitter problems that also occurred before November 2010 were noted on various days in March. Spurious signals are heard on frequencies up and down the operating frequency 4625 kHz, spaced 44.26 kHz each way. The spurs were audible on 4669.26 kHz, 4713.52 kHz, and 4757.78 kHz. Sometimes also on frequencies below 4625 kHz.

S28 transmitted again quite a lot of messages in March. Here is a selection of the logs:

04-03 1356 Male voice.
КЗЙТ ЛНР4 35 993 44 123 ИЛЕК 72 11 21 19
KZЇT LNR4 35 993 44 123 ILEK 72 11 21 19

05-03 1232 Male voice.
В6БЫ В6БЫ 93 988 07 374 ГЛОКТ 27 56 14 43
V6BY V6BY 93 988 07 374 GLOKT 27 56 14 43

06-03 1400 Female voice. Different message when repeated.
МДЖБ МДЖБ 59 731 КЛОВИР 17 90 66 50
MDZhB MDZhB 59 731 KLOVIR 17 90 66 50
МДЖБ МДЖБ 59 531 КЛОВИР 15 90 66 50
MDZhB MDZhB 59 531 KLOVIR 15 90 66 50

10-03 1015 Female voice. Very noisy. Hard to understand.
MDZhB MDZhB 0? 501 A?LOPAT ?? ?? 92 36

11-03 1456 Male voice.
MDZhB MDZhB 33 660 ULLA 37 21 15 84 ALKERON 98 02 47 89

13-03 1340 Female voice. MDZhB MDZhB 30 808 PLINTUSNYJ 70 44 05 56

15-03 1526 Male voice. MDZhB MDZhB 51 457 FLINTTGLAS 84 88 07 60

16-03 1630 Male voice.
MDZhB MDZhB 95 216 KLIMA 70 22 14 80 GLIKOKOL 23 50 15 04

16-03 1725 Male voice. MDZhB MDZhB 53 037 BLIZNYaK 53 35 65 43

18-03 1443 Female voice. MDZhB MDZhB 07 118 BLIZhNIK 76 27 89 80

18-03 1456 Ponton-50 calling other stations. (Russian military tactical net)

19-03 0833 Podval-50, Yantar-97 and an unreadable other station. (Russian military tactical net)

21-03 0704 Male voice. Very noisy and weak. Partly unreadable.
MDZhB MDZhB 15 759 START 27 86 33 80

22-03 Female voice.
0456 MDZhB MDZhB 44 875 KORIDORNYJ 12 88
0457 MDZhB MDZhB 14 328 POKRAS 27 89
1437 MDZhB MDZhB 85 171 ELEKTRUM 17 30 93 71 ALEKSIN 30 64 43 79

23-03 0513 Female voice. MDZhB MDZhB 09 577 POKRAS 27 89

24-3 Male voice.
1508 MDZhB MDZhB 99 668 STARGON 67 98
1535 MDZhB MDZhB 84 460 BLEZIR 87 20 49 51

30-3 1259 Female voice. MDZhB MDZhB 48 599 OLEVSK 60 61 64 77

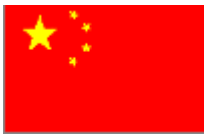
S30 – The Pip

Active on its usual day and night frequencies throughout the month.

V13 – New Star

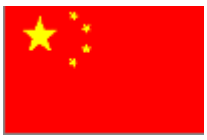
An oldie and still active New Star. Now heard on 9505 kHz on various days. Schedules at 1200 and 1300 UTC and possibly also at other times.

V24



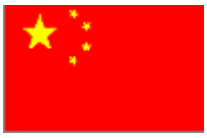
Active on 5715 kHz at 1230 and on 6730 kHz at 1030 UTC.

V26



9153 kHz, still going strong. Heard by various people between 0930 and 1000 UTC and at 1340 UTC. Female voice in Mandarin; 3-fig groups messages.

VC01 – Chinese Robot



6479 1354 01-03 Chinese Robot
7756 1409 01-03 Chinese Robot
7756 1907 01-03 Chinese Robot
5303 1032 04-03 Chinese Robot
5303 2032 04-03 Chinese Robot
6479 0001 16-03 Chinese Robot, for hours in a row

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, 4427, 4480, 5303, 5288, 5700, 6479, 6771, 6840, 6855, 6860, 6960, 7090, 7608, 7726, 7756, 7770, 7924, 8000, 8025, 9169, 9290, 9340, 10508 kHz.

VTN

Copied by PanDR48, SWL1409 and T!.

10255 kHz, 1559 UTC, 13-03, Female voice. 5FGs in Vietnamese.
10255 kHz, 1605 UTC, 15-03, Female voice (recording online, courtesy SWL1409)
10255 kHz, 1605 UTC, 16-03

We received another lengthy yet interesting report from T!, Mohave Desert, California, USA

Hello all,

It has been a little while since I reported on the Vietnamese numbers station on 10255 kHz, USB. Mostly this is because the VTN has been sending nothing but an approximate 1kHz tone for a few months.

To recap, the VTN most commonly sends three identical messages per day starting at about 1600 UTC. Actual start times vary but typically the first message starts between 1557 and 1603, with 1600 being the most common. The station was first reported in February of 2010 with a Vietnamese language YL and 5f format. The message is read by human but recorded on a PC (PC error sounds have been noted in the audio). From March of 2010 to September of 2010 all messages have been OM, although it was probably not all the same OM. The station typically sent the same message many days in a row, so that in the period from February of 2010 to September of 2010 only 5 unique messages were actually noted, despite there being well over 100 individual transmissions.

The last numbers transmission I heard from this station was on September 14, 2010. Starting September 26, 2010 an approximate 1 kHz tone was noted on the frequency starting within seconds of the anticipated start time for the numbers station. This 1 kHz tone lasted about 5 seconds longer than the anticipated numbers transmission. From September 26, 2010 to March 6, 2011 this activity continued, with the tone occasionally changing duration, as if the message length had changed. These changes in length were about as frequent as changes in message

length when voice was being sent. It should be noted that the 1 kHz tone did not contain data, it was a simple 1 kHz tone. My initial assessment the first few days was that a test tone had been accidently sent instead of the numbers audio. I still believe that is the most likely case for the entire 6 month period, however I am at a loss to explain how such an error could go on so long and remain unnoticed by the operators. Possibly there are other frequencies in use, and this is a backup, that might explain why they were so slow in fixing it or why it went so long undetected if that was the case.

On March 7, 2011, numbers again were noted on the frequency in a post to the E2K Group. This time it was again YL in Vietnamese in 5f format. I have no recordings of March 3 to March 6, 2011, so I am not sure exactly what day the numbers resumed, when the tone transmissions had gone on for so long I started recording only every few days instead of daily. Interestingly, on March 8, 2011, the day after the report to E2K of voice, the tone again was sent, again a few seconds longer than the message on March 7 and since March 11.

Since March 11, 2011, the station has transmitted three identical messages each day. The start time for the first message is about 1600 UTC. All messages sent since then have been the same 30 group message with the same IDs being sent, each message is identical to all of the others and is apparently a single recording played three times a day. The current 30 group message length is about 6 minutes and 16 seconds.

03/11/2011, 10255 kHz USB, 1600:29 UTC 30 grp msg 1, 1607:06 UTC msg 2, 1613:44 UTC msg 3
03/12/2011, 10255 kHz USB, 1600:30 UTC 30 grp msg 1, 1607:08 UTC msg 2, 1613:43 UTC msg 3
03/13/2011, 10255 kHz USB, 1600:32 UTC 30 grp msg 1, 1607:08 UTC msg 2, 1613:44 UTC msg 3
03/14/2011, 10255 kHz USB, 1600:29 UTC 30 grp msg 1, 1607:05 UTC msg 2, 1613:42 UTC msg 3
03/15/2011, 10255 kHz USB, 1600:29 UTC 30 grp msg 1, 1607:05 UTC msg 2, 1613:41 UTC msg 3
03/16/2011, 10255 kHz USB, 1600:27 UTC 30 grp msg 1, 1607:03 UTC msg 2, 1613:39 UTC msg 3
03/17/2011, 10255 kHz USB, 1600:24 UTC 30 grp msg 1, 1607:51 UTC msg 2, 1615:17 UTC msg 3
03/18/2011, 10255 kHz USB, 1600:24 UTC 30 grp msg 1, 1607:49 UTC msg 2, 1615:15 UTC msg 3
03/19/2011, 10255 kHz USB, 1600:23 UTC 30 grp msg 1, 1607:50 UTC msg 2, 1615:15 UTC msg 3
03/20/2011, 10255 kHz USB, 1600:21 UTC 30 grp msg 1, 1607:47 UTC msg 2, 1615:13 UTC msg 3

I'll get around to updating my web site of this station shortly, but for now I have a pretty nice recording of the first message of the day on March 16, 2011.
http://www.token.hpathome.net/SharedFiles/VTN_2011_03_16_1600_25_10255USB.mp3

MORSE STATIONS

MX - Russian Military beacons

Reported beacons and channel markers.
European Cluster Beacons: D, P, S, C, A
Asian Cluster Beacons: F, K, M
Channel markers: R - 4326.04 kHz and V – 4150 kHz

M14

Danix111 supplied us with a complete transcript of M14. Thanks OM.

5464 kHz, 2020 UTC, 9 March:

537 652 652 15 15 = =
15523 15523 35542 35542 65643 65643 86789 86789 35564 35564
09656 09656 10652 10652 54312 54312 00205 00205 45610 45610
78765 78765 88545 88545 64351 64351 13421 13421 42810 42810 = =
652 652 15 15
0 0 0 0 0

M21

Russian Air Defence Forces
Voyska Protivo Vozdushnoy Oborony
Войска ПВО Voyska PVO

Id ???: 3801, 4246 kHz
Id "0": 3314, 5752 kHz
Id "4": 7994 kHz
Id "8": 5752, 6828 kHz
Id "9": 6321.5, 10316 kHz

M23

A very active station with quite a large number of schedules throughout the day. See our Logs Section for the logs.

M76

Frequency: 3280 kHz

1750 UTC, 12-03: HUWT DE CGF1 QTC 157 31 =
Note: The letter U in callsign HUWT was barred.

1645 UTC, 14-03: M76 on an irregular schedule???
I8C1 DE KQO3 QTC 243 60 14 1835 243 = 045 = AAAAA
Into 4LG cipher - using barred letters AOUH.

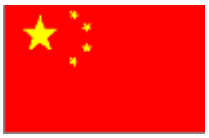
1756 UTC, 14-03: .... DE W4M8 QTC 161 32 = (In Progress)

1755 UTC, 15-03: 3FUF DE BYRU QTC 163 30 =
Note: Very weak signal - unsure of callsigns - could be 4FUF DE BYLU

1809 UTC, 18-03: NLQO DE ..W2 QTC 171 30 = Note late startup time

Logs submitted by JPL.

M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k	**4860, 6840 kHz**
V MB3R MB3R MB3R DE YA6X YA6X	**4368 kHz**
V QPZM QPZM QPZM DE WOXN WOXN	**3327, 4523 kHz**
V JA3L JA3L JA3L DE UN2T UN2T	**4532 kHz**
V 7NPE 7NPE 7NPE DE QV5B QV5B	**4225, 5500 kHz**
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	**7602 kHz**
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	**3297, 5278 kHz**

JPL copied several messages:

QV5B traffic on 4225 kHz at 1759 UTC, 21-3:
(In progress)
RMKS
6926000612/2326/0607/0816/0857/0366/0858/0636 = =
(Using long zeros)
7363 AU56 3TD5 7T7T D553 D455 7DTS TNTT A5T5 63S3
4547 A5T. TND4 734A 4UNT A7U4 A463 57A5 A5DN AU43
3556 7646 57AA 4355 5354 AR
V 7NPE 7NPE 7NPE DE QV5B QV5B etc.

UN2T traffic on 3297 kHz at 1942 UTC, 25-3:
V JA3L JA3L JA3L DE UN2T UN2T
AT3T T657 45T. 3T35 7AUN 57N4 AR (1945z)
CQ 06/65446917680T
MSG NR 3234 CK 97 33 T329 T32T
RMKS 67T7 TM. 544 6917 68T7 BT
ADDA 736T TU7A 4TDU ANN6 77N4 7.T6 D73N NNNN
TT64 D54. D7.. TDNA DD5A U63D 77TA 4T.4 (appears to repeat message) AR (1950z)
UGT COMM BT
069/6667/6707/03/29/0410/718/B/71/13 AR (x4) (used long Zeros instead of T=0 for this portion
V JA3L JA3L JA3L DE UN2T UN2T

UN2T traffic on 4532 kHz at 1802 UTC, 29-3:
V JA3L JA3L JA3L DE UN2T UN2T
UGT COMM BT (2001z)
069/6008/6707/03/30/0430/714/A/14/13 AR (x3) (used long Zeros instead of T=0)
V JA3L JA3L JA3L DE UN2T UN2T

UN2T traffic on 4532 kHz at 1700 UTC, 30-3:
V JA3L JA3L JA3L DE UN2T UN2T

UGT COMM BT (1700z)
069/655/6707/03/31/0130/773/14/13 AR (x3) (used long Zeros instead of T=0)
V JA3L JA3L JA3L DE UN2T UN2T

UN2T traffic on 4532 kHz at 1812 UTC, 31-3: *V JA3L JA3L JA3L DE UN2T UN2T*
UGT COMM BT
654/5638/5868/04/01/0325/812/A/19/10 AR (x3) (used long Zeros instead of T=0)
V JA3L JA3L JA3L DE UN2T UN2T

VARIOUS MODES

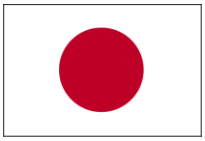
M42 & X06 Russian Government / Intelligence

6795	01-03	0903	RXZ32: Russian Gov/Intel, St.Petersburg. Mode: Baudot 50/500
6830	01-03	0945	Russian Gov/Intel. Mode: Baudot 50/500
7480	01-03	0948	Russian Gov/Intel. Mode: Baudot 50/500
9450	03-03	0905	Mazielka. Sequence: 165423
7681	09-03	0605	Russian Gov/Intel. Mode: Baudot 200/500R. Multi figure groups like 070903063966478109 =83313
9137	09-03	2019	Russian Gov/Intel. Mode: Crowd-36. "oywebgtkf dz..."
7988	10-03	0852	Mazielka. Sequence: 561243
11411	10-03	1008	Mazielka. Sequence: 164532
9320	11-03	0827	Mazielka. 2-tone sequence: 2--4--
14863	11-03	0844	Mazielka. Sequence: 615243
8104.75	15-03	0805	Russian Gov/Intel. "Volgograd area" probably related to activity at Kapustin Yar fascilities. Mode: RUS-ARQ 100/1000.
9140	15-03	0806	RCV26: Russian Gov/Intel. prob Ilinskoe radio centre. Mode: DFSK 100/500/2ch.
9240	15-03	0808	RVO77: Russian Gov/Intel. prob mil unit 56707. Mode: CIS14 DFSK 100/500/2ch. Ongoing encrypted traffic in both ch.A and ch.B.
8104.75	17-03	0805	Russian Gov/Intel, Volgograd area. Mode: Rus-ARQ 100/1000
9450	21-03	0757	Mazielka. 2-tones. Sequence: 1---6-
7630	21-03	0758	Russian Gov/Intel.
10199.5	21-03	1055	Russian Gov. Mode: Crowd36
14871	22-03	0606	Mazielka
6962	22-03	2140	Mazielka. Sequence: 164532
6843	24-03	1841	Russian Diplo. Msg header 11100 60102 68947 24053 05009. Mode Baudot 100 (see message below)
14871	26-03	1217	Mazielka. Sequence: 156234

Message on 6843 kHz, 1841 UTC, 24-3. Logged by Kroger.

```
11100 60102 68947 24053 05009
kqeeq snxpd ytfpf oxkze vwvuk fcpgz mqpfv dveed kwcys wtivc
fatbl ceeyv thixh pnntd mixdo aakst rygoy ytqum qylmj xypdt
jmswp uxqbt pswsu kymlj khfzg fswxi ixdtl kziwv pcctc vyvyn
exlljnavciy wxrgv jpuco uffhn sxlvx ideji hbjtp gjjle xdqhp
bhkft kinud mzxjf tecza uehxv acucs ctbwv kbwtm fahjm ygyoz
kvgeq iqahi itmzv lgarz vrxzb grlqy jxool zlkxa ptdmy dwcoe
vkpdx prjeh umeqm slkcs ymscr gvdim szmpt ygzgh jmhbj bpuyc
keaqz ljvkr hanch cvyvr ssayv lmpip swdxb esnyr mdsvj uklqf
ffiwa oiuzh eyuir ovuzp xvppo aoula vzrsw rtzob rexbx leemf
djuda hlsne wwffe msdyc zhikv vbamo eanft mnwgw kbgsj zroes
xnred gcevq oqmie qygam ludus hblaa hhsrq fkcxi fbqtj dlalo
ycdfw jdjxk wiitw lgtfb fnyhp ygddr roddz vmzor uiror fvgul
hymtt owqvw yaesq ncftd cjjxy bfzma qewys gzwco iksjz ichda
qtbfd webrz bfyij vjfsr kqziu qsrul bobou qzbqu ydsrc klexg
iwvpj dpswc bpuig qofhu ohlyn pptqf yawus dcncw kzkhn kvwja
bstmg otocd lhvah opmje kfvly unwqv dzrmk iqygl ybvur aodta
mvcpn hfxnl oqrwa vxnfb jtdgc xjvdw aewth wpbqd cplal ywcgu
owdgb nluvr glzvy rrixi sskvs hfttg yndot cgxxx dbxrq zqqjw
dmbav qtzoh hhwtp vqoni pppqd xuquq zrkui gpetc webmc iplzz
khpsn nmgpo wrtes ewldy nobuf jkgle lolbs zhewd prvxh zwqtn
ohrax hgdsc iiibn kkaic ojpae nnwjk xxys hxcpb ylaap kfpwm
tosef pmlsl hoxmw npdbc joksy gxckp llxnb kbhbx nkvml imyye
kmqps mbarm sitsi iswaz aqxrg bgxzo dmnfe eixet gjiar trqxr
trukq vbxoq uliqo cwacb qpvxu cphlj yinbk qdmiw atrxx vtmgp
sxczh dwkqq csern jndet iczct kziag mfvdv ieghr zqwyd xhwjz
bqiof spdgk dwwwg ldonc uzdbk hlxpi sqevz fuohm htnsr hsgqp
ycmsv egwpy dzxzm qvosx lahfe yutrh fclzj xnghm ljsch jvrem
qfayg lzlmp qynii hthqg ozlwy xtezc ccspx xsvvu zgzyyxglyp
ljciu trcdb wvjeu iobbm skimy aidze xgwgi lcofz auirb dfxqi
axwbq yrkeq azxzf lyumo wtoue shrez hfrjs qfrbp ylhob jztkt
htllr ddelf ojtly tfwga kvrgo zshmm yawqa bpgsd qxqwb tygez
muvij yigmo gwglm jnwbq nspwp jhfxi ymzzh lfbvj lkhbx ejgzl
fnlnx rmrsv uuoih qurmd ejuvc yaphn dgmdi uojct nmvwi irjac
zlrgw iazms zzguv twzch xruik ufswa xcicy puubb ftcfq zqjbr
icpcc czgzl xjtth ttndb ~wied mnkcj vjaig gyjqc auyda auzzn
cuvvolajpho vmvvd vtwnz dkvud drqln hbppb ltqdy ~bopw sgfxi
kplxn jxqrc ugezc vxikd guyzq fbgdg ytlqi scisa hmjps w..4
```

XSL – Japanese Navy a.k.a. "Slot Machine"



XSL was heard on 6445 and 8312.5 kHz. Also copied after the disasters that hit Japan recently.

The network uses the following frequencies:
3058, 3075, 4152.5, 4153, 4231.5, 4280.5, 4294.5, 5643, 6249.5, 6417, 6418.9 6445, 6446, 6500, 6645, 6693, 6738, 8312.5, 8587.5, 8704 kHz.

MILITARY STATIONS

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

A very large amount of M32 logs this time. Thanks for that!!

2706.0 **Russian Mil: 5IA2 "... pnhya cencö uehea ocrop vogsö päpwp 22t ar"; "omna de 5ia2 qtc k"; "462 16 1 t31t 462 = tt7t = ppppp zpyfb ... päpäe 22t rpt al k". Outstation answers at 3229 kHz.**

2713.0 **Russian Mil: 4WIS de 5ESO**

3171.0 **HGAU: NCS of unid Russian mil net. "wnlr wnlr wnlr de hgau hgau qsa ?"; "... qsy 5847_" "bk bk qsw 59789 qsw 59789 k"**

3348.0 **Russian Mil: 8WO5 msg to DSSJ: "DSSJ de 8WO5 QTC K. 8WO5 019 19 8 0046 119 = 719 = OLHRD MMMMM ÖLATS ... EchISC PIPÄY 763 RPT AL K. 8WO5 C K"**

3361.0 **Very large Russian Mil net. NCS "BV7E" radio checks with; FE1D, BJXN, 9HPU, JXH7, 4QET, MANZ, OTOE, PEB7, 03E8, NIJR, LCVE, WBFJ, VHWE, HFLE, FE1E, EEöD, öPHU, IRPL, 9HPU, HFLE. "lcve de bvte zow zgj zuk qyt4 k"**

3750.0 **Ukrainian? Mil Simplex Net: PKMA comms check with N91P, HQMQ & 6GA8.**
Then msg for 6GA8: "PKMA 661 53 17 2320 661 = 546 940 437 = UTQTš FWchAch ... OHWNS ONXXC = 140 K".
"XXX XXX 8OHD 8OHD DESNA 691 DESNA 691 (x2) AR"

After either midnight callsign change or change of control authority, ZG4Y conducts comms check with a rather large net of at least: WRTE, IU2G, OR7V, MQPK, 6ALU, 6PG1, HLNO, SO8U, WLYI, 7RHB, PEVH SWTI, very few of which were audible.

PKMA sends qtc #479, later radio checks with outstations 6GA8, 7HDR, ADI7, QMMA and sends strategic flash message with untypical format to 8OHD; "xxx xxx 8ohd 8ohd desna 691 desna 691, msg rptd and off without "k" or "ar". Later changes NCS to ZG4Y. NCS perform radio check with WRTE, IU2G, OR7V, WLYI, MQPK. Sends strategic flash message to YKIZ in same format as earlier; "xxx xxx ykiz ykiz ingu 1824 ingu 1824". NCS then contacts 6ALW and 6PG1 (both were not contacted during radio check)

3884.0 **Russian Mil: DXIP clg ADQN "ZKK ZMV ZYG QYT6"**

4168.0 **CIS Mil: BURAL 74 wkg POLKA 74 etc. for short OP-chat on USB voice; later into Yakhta T-219 vocoder w/cont. FSK-2/100/150 synchro at +1500Hz.**

4079.0 **Russian Navy: RMP wkg RGN90 "QYT4 QSX 3234 QWH 2464".**

4198.5 **Russian Naval Air Transport: RCD95 wkg RCB.**

4446.0 **Russian General Staff msg to collective RDL.**

4447.0 **Russian Mil: Q1WN passing 20 group tlgm #532 to collective, latter asks outstations; IM8G, C4??, CCHC and at least two more for confirmation, later radio check with IM8G, ED7E, E7TO, VSIU, DHNA .**

Russian Mil: GX4C, end of qtc # 376 to unid; "... gcösd äupäe 468 rpt al qln k". Later NCS GX4C performing radio checks with outstations; IVQR, 1VLB and PELI, Z62G (?) and K7OP. Net is in utc+3h area.

4812.5 **Russian General Staff long 105 group (!) msg to collective RDL, later a new long msg to RDL, both broadcasts //4446 kHz.**

4858.0 **Russian General Staff, strategic channel // 4020, 5268 kHz.**

5096.0 **CIS Mil: STDB radio check with K32Y.**

5157.0 **Russian General Staff/Strategic Air: REA4.**

5311.5 **CIS Mil: ZOTP simplex traffic with YBWJ.**

6981.0 **Russian Mil: 7AZZ wkg unid "QRJ NO QYT6", "QBE QYT6", "OK QYT9", "7AZZ AS", "NW QRV"**

6996.0 **Russian Mil: LKFQ wkg N5TI**

7041.0 **Russian Mil: HCSU calling M9LF, W14F, BANJ, WNOU and transmitting qtc in five letters groups.**

7057.5 **Russian Mil " ... 06140 23744 90460 63506 11054 86500 910XX 06028 K"**

7566.0 **Russian Navy: RCV msg to RGX94.**

7801.0 **Russian warship RHC84 simplex traffic with RCV "QRA QTC QRR3"**

7815.0 **CIS Navy: RMW32. "XXX LR43 00000 tehprowerka 11111 22222 tehprowerka 592 k" "RMW34 de RMW32 r xxx ZSA ? k"**

7853.0 **Russian Mil: POQC comms check with 5IEZ, WPJI?, DBX?**

7861.0 **Russian Mil: RAL2 QSA check with RHW2, RFH2, RDU2 and RBL71.**

7932.0 **Russian Mil. "xxx xxx barc barc 18693 stafilin 3174 7268, >msg rptd< k";**
"xxx xxx wrnu wrnu 48020 wevwica 4720 9788 k"
XIE2 radio checks with B49D, V5N7, HNDE, K8WK.

7964.0 **Russian Mil: D7NZ, 5RLS, 8WZA, GB5C, DHNA, NGKA.**

8107.0 **Russian HFDF tracking & intercept net, probably a western chain station with short control routine reply to NCS "Gudok", mil unit 34608, GRU tactical coordination centre Podolsk / Klimovsk; "3k", several A1A short blocks of crypto tracking data; "75985 ä 96578k ä ä ä k "3k" at hh:08 and hh:38 short F1B/150 data bursts.**

8633.0 **Russian Mil: 4C1V clg GOQ6.**

8816.0 **Russian Naval Transport: RJF94 wkg a/c 99621 QTO 0706 QRD XLLP/MWB QRE 1000 QA 5700 QKD. 6 08535: unid Russian Naval Air Tranport 08535 wkg RJF94 "QTH 62583556 QTR 1041 QBG 6300 QRE XLWF 1135".**

9068.0 **Russian General staff. Strategic flash message to collective addresses RED4 and RDL; "xxx xxx red4 red4 rdl rdl 58446 978_9 masbrod 7186 5567 k", // 7657, 9346, 10535 kHz. Same flash message later repeated on complimentary channel 8076 kHz**

9145.0 **Russian Navy: RIW wkg RMEG "865 31 17 0949 865 - 173 - 11111 07907 ... 0827 qso RGR70, 0834 qso RMBB, 0900z qso RFH71, 0909z qso agn with RMBB, 0911 qso agn RFH71 279 28 17 0947 279 - 173 - .... qsx 12464"**

10148.0 **CIS Mil: TUDN clg VSPY**

10796.0 **Russian Navy: "RJD69 de RIW"; "RIW de RJD69"**

10813.75 **Russian HFDF tracking & intercept net, unid northern chain station, channel control feedback routines to NCS "Gudok", mil unit 34608, GRU tactical coordination centre Podolsk / Klimovsk. After data sending regular but non-scheduled A1A control feedback routines; "3k" on 10814 kHz.**

10535.0 **Russian General Staff, "uuu rdl 22222 25542 t3527 22714 22714 ... t8t51 k" // 18.1 kHz.**

11354.0 **Russian Naval Air Transport: NOVATOR (Severomorsk) calling aircraft 08537 and 10911. PRIBOY (Moscow) calling 10911. Aircraft 08527 (An-12) reports to PRIBOY : "Arrived to Koltsovo airport (USSS) , Fuel 8000kg".**

11408.0 **REA4: Russian High Command, strategic message "rea4 = t414t 2tt69 ... 13t42 86427 = rea4 k". "rea4 rea4 = 24t8t 236__ 6345t 514t7 11t26 8653t 28449 4396t 238t4 27t85 84372 = rea4 k"**

12464.0 **Russian warship RHL80 clg RIW. "VVV RIW de RHL80"**
Russian Navy: RMBB wkg RIW
Russian Navy: RFH71 wkg RIW
Russian Navy: "RCV RCV RCV de RKB91 RKB91 qsu1 qsx 12230 qwh 13125 ok k"
Russian Navy: RGR70 wkg RIW
Russian Navy: RMEG wkg RIW

12606.0 The following report was sent to us by Trond. Thanks OM.

When our Russian friends turned their calendar to 1st of March, they also switched to their spring frequency schedules. 12606 kHz is one of the many interesting frequencies that showed up that day, - first spotted and made public for the UDXF group by Wolfgang on 2nd of March. Tnx Wolfgang !

- ***2nd of March 2011.***

NCS 6EBD sends qtc #250, time stamped in utc+3h area, to collective TISL and asks YEPA, OUWU, 3DG5, ITR9 for confirmation of reception. NCS then sends this confirmation / response; "6ebd = öyjojnk". A 6th net player is then contacted but is asked to cancel (qta) tlgm #250.
NCS contacts ITR9; "itr9 de 6ebd qbe qyt6 k", gets reception fm outstation on unid qsx and respond "6ebd r k" and is gone for the day at 1425utc.

- ***3rd of March 2011.***

Bcast of strategic flash message to WEGI and OEUN. (OEUN has previously been observed contacted by Russian General staff on 9044. WEGI is a regular recipient of strategic flash messages.)
Later combined strategic flash message to C1OB and F2ET. Short time after NCS has radio checks with; YEPA, OUWU,3DG5, TR9I and CF8H.
At 0953 bcasts a very long combined strategic flash message to C1OB and SX6V. SX6V has previously been heard on 11465 so this is obviously a static tactical ID.
At 1033 bcasts strategic flash message to WEGI.
Later a new radio check with all 5 outstations and qtc #726 to collective TISL, outstations sends reception confirmation and CF8H are again asked to cancel the sendt tlgm.

- **A selection of other 12606 kHz logs:**

XCLG: Russian mil net, 0843, A1A sends qtc #880 to L6IG, after confirmation request and acc with L6IG opchat with subunits COLCOR2, COLCOR3 and COLCOR7, same procedure was observed on the 6th of March

"xxx xxx 1hsf 1hsf 43820 stawok 1417 1883 k"
"1hsf 1hsf 43820 stawok 1417 1883 k"
"jfb5 jfb5 66365 artrologiä 9384 8953 k"
"lnr4 lnr4 96286 frenolog 4955 2550 k"
"xb2m xb2m 06698 pricep 9282 1156 k"
"2v8i 2v8i 55331 prinorok 6760 7074 k"
"yepa yepa de 6ebd 6ebd"
"XXX XXX XXX WEGI WEGI 33728 DREWESNYJ 6964 4311 (rpts) K"

12736.0 Russian strategic AF "REA4" channel.

12981.0 WY2Z: Russian/CIS mil. "z6yp r k"; "wm4z de wy2z k"; "z6yp"; "zr7w de z6ye qyt9". Strange channel with very short opchat and commands.
"i6z9 i6z9 i6z9 qtc ar" wy2z wy2z wy2z 892 16 7 15t6 892 ... pupäe 131 k", into opchat "lr7w de wy2z r 892 ? k"; "wm4z de wy2z r 892 ? k"; "wy2z = 888 k"; "wm4z de wy2z r 892 ? k"

Two unids, possible Russian/CIS military stations:

The following log was submitted by an anonymous dxer from Central Europe:
Transcripts of 3690 kHz from 1900 UTC, 23-3 onwards . Russian/CIS military? The "AAAAA" sequence is often used by them. Sound files are available from the N&O website.

AAAAA NPCPC EAADL WPPOG AA **VC DE 8RPT K** **EKLA DE 8RPT K** **RK** **PGYN DE 8RPT K** **RK** **NPJU DE 8RPTK** **RK** **ZSZK DE 8RPT K** **RK** **B4AM DE 8RPT K** **RK** **OAKA DE 8RPT K** **RK** **OWNL DE 8RPT K** **RK** **HG8W DE 8RPT K** **RK**	**GILC DE 8RPT K** **RK** **MF6R DE 8RPT K** **RK** **QTA QLX (error) MF6R DE 8RPT K** **RK** **E6OO DE 8RPT K** **RK** **E4XO DE 8RPT K** **RK** **OCLW DE 8RPT QRV K** **OCWW DE 8RPT QTC K** **……..** **8RPT 956 5923 2240 956 BT 424 BT** **AAAAA [continued with 56 x 5LG with cyrillic characters, transmission ends with K]**

Logged by Tom:
3365 kHz, 1911 UTC, 30-3, CW: E2M9 sending "rk" "de e2m9" ca. 22 WPM.

UTILITY ROUND-UP

Polish Pip

Still a daily guest on 1812 kHz.

There is a recording on the N&O website for those of you who haven't heard the station yet. The signal is in fact a Russian hyperbolic navigation system BRAS-3 or RS-10. The signals of these systems sound alike. It is most likely RS-10.

Unid station 7GGA

JPL reports yet another unid station probably from East Asia. The station sends 4 group messages using cut numbers in format - AU34567DNT.

4532 kHz, 2000 UTC, 01-03: XC6R DE 7GGA K
4532 kHz, 1509 UTC, 04-03

Unid station KTR4

KTR4 is still on the air on 3207 // 3860 kHz.

UNID BX699

Peter copied this unid station / net on two frequencies.
8161 kHz, 1954 UTC, 02-03, CW: "VVV VVV AM744 K" or "VVV VVV BX699 D" repeated several times. (must probably be BX699 K – ed)

9080 kHz, 2019 UTC, 07-03, CW: "VVV VVV BX699 K" several times repeated.

Other unids

3763 kHz, Mode: CW. Heard in Hong Kong. Sending groups of cut numbers in format - AU34567DNT - finished with AR AR.

11111.1 kHz, Mode: CW. Heard in The Netherlands. Sending 4FG messages using cut numbers AU34567DNT. Possibly Chinese.

Unid 7696 kHz

Eddie copied an unid station on an E07 frequency.

7696 kHz, 1840 UTC, 30-3, modes: CW + AM, language: English

Callup in CW: 3K 3K 3K and lots of V's, sometimes it seemed to be sent as 3k or 33k or 3k3
Followed in AM voice: 1141 1141 55655 (voice drops on the fig 6), ends 00000

Ideas anyone?

Unid air defense tracking station

Transmissions from the unid air defense station were reported by JPL and Eddy.
Active on frequencies 3333, 3641 and 5357 kHz.

3333 kHz, 1755 UTC, 20-3:

NR 3UA7 AAA5 U355 AR
NR 3UA7 AAAA U.56 AR
NR EUA7 TTDN AR
NR 3U37 54NN U45DER
NR 3U37 5437 U45N C
NR 3U37 543N TN AR
NR 3U37 TN77 ..A AR
(Lots of static making copy difficult)

5357 kHz, 1318 UTC, 22-3:

AU34567DNT UAUT
AU34567DNT UAUA
AU34567DNT UAUU
AD4 D7DD3A4 T75 UT5A UAU3
UT5AD4 D6DD5 66 UAU3
UT5AD4 D6DD564 UAU3
UT5AD4 D6DD546 UAU4
UT5AD4 D6DN7DD UAU4
UT5AD4 D6DN7A6 UAU5
UT5AD4 D6DN7UA UAU5

5357 kHz, 1130 UTC, 22-3:

DE DD5 (repeated for 30 mins)

Eddy copied an unid station that transmitted "DE DD5" on 5357 kHz for at least 30 minutes and stopped at 1200 UTC onwards. Eddy says "It seems to go off the air periodically then comes back on, and sends the same callsign again." A short time after the call, the unid air defense station pops up on that frequency. Is there a connection???

3641 kHz, 1728 UTC, 30-3:

Tracking info.

You can find several recordings on the N&O website.

Driftnet beacons

1811.7 2AFOP
1873.0 MP02

Both heard in N.E. Australia

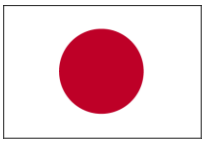
Unid beacon

Eddy (located in South Australia) copied (an) unid beacon(s) on 11009.881 at 1032 UTC on 26-3. His recording is on the N&O website. Listening to the recording I think that there is more than one beacon active. The callsign is "S". The signal strength differs and the spacing between the callsigns varies. Additional info and/or users is welcome.

Unid Indonesian weather? net

I have mentioned this Indonesian voice net several times before. They operate on 14277.7 kHz. The participants exchange coded messages. Reportedly weather reports. The users are still unknown. Who are they? Fishers, sailors, pirates, smugglers, militia??? If anyone knows who they are, please let me know. According to a report from the National Wireless Institute Of Australia they are always there, but hard to track down.

Japan



After the earthquake and tsunami, the JARL announced a number of emergency frequencies that are operated by JARL operators and other volunteers: 3520 - 3530, 7025 - 7035, 14090 - 14110, 21190 - 21200, 28190 - 28210 kHz, 50.1, 51.0, 141.0, 145.0, 430.1, 433.0 MHz.

Activity has been noted on:
7043 kHz SSB: controlled by JR3QHQ the Osaka branch manager of JARL.
7075 kHz SSB: operated by JL3YSP in Wakayama.

> ***Japan's Ministry of Internal Affairs and Communications -- that country's equivalent of the FCC -- approved the use of an additional 300 UHF/VHF transceivers in the affected areas.***
>
> ***With gasoline and natural gas in short supply, Yamamoto said that the fuel shortage was "a very serious problem in the cold climate. Calls for fuel were received over radio from many disaster areas, but delivery remained very difficult at least for the first week as the access roads were hacked up everywhere."***
>
> ***"Several days later, some Amateur Radio clubs reached the affected areas with their radio equipment and established communications for supporting disaster relief." Yamamoto told the ARRL that several radio equipment manufacturers offered "hundreds of VHF/UHF transceivers to JARL for the use at refugee centers and local disaster relief centers."***
>
> ***"These transceivers should help to establish mutual communications between refugee and disaster relief centers, and to facilitate smooth and appropriate delivery of disaster relief goods."***

As of noon JST on March 23 (0300 UTC), Japanese authorities announced that 9,408 people have been killed and another 14,716 people have been reported missing in the earthquake and tsunami.

(quotes from the ARRL Newsletter)

The National Institute of Information and Communications Technology in Japan reports problems with the time and frequency transmissions of its station JJY:

40kHz transmission has been suspended since March 12, 2011
Ootakadoya-yama Transmission Station stops disseminating LF waves. An evacuation advisory is announced around the nuclear power plant in Fukushima. It is unclear when LF transmission will be resumed. We apologize for your inconvenience.
http://jjy.nict.go.jp/index-e.html

Libya

Operation "Odyssey Dawn"

Paul reports from the UK that the MUF has finally risen above 30 MHz and for a couple of days it has been open the Middle East and North Africa up to 38 MHz. He logged Arabic FM comms on 30.000 MHz. He heard probably the rebel forces in Libya. Here is a part of the transcript, copied on March 9th. Peter says "This is just a small amount of what was available, the signal was strong for much of the day from mid morning onwards."

A: Make the hunter enter the fighting area and tell them there is nothing inclined and know that the enemy might go onto Um Mahrin.
B: There is an escaped car coming to my direction, it is far 3 kilometer from me.
A: There are some of the armed forces in front of me.
B: I can't see it, it's so far from me.
A: Go back, go back, go back.
B: OK.
A: Yeah, there was someone running in ??? (fade out)
B: Oh, Mahammed, go back, go back.
C: There's a bus and four dead people inside it.
B: Stay at the car.
A: The car which is running, what are they?
B: Oh Tareq, they are on the left side
A: How much ammunition do you have?
C: Could you repeat again.
A: What is the ammunition news?
C: 100% 100%

Operation Odyssey Dawn logs. Period: 20-31 March. Various times.

4196	**Magic-51, Magic-53, Magic-56, Magic-57, Magic-70, Magic-72, Ekvator, Cyrano, Tri-graphs such as 4VB, 2YP, E8L, 2AD, 6GQ, 1LT, Q5M, B7O, D1U, 4FB, A3A, Y0U, S09, IO2, K0K, 6XG . Passing track numbers. Comms checks. Intense jamming at times.**
5616	**Lots of Reach and CanForce aircraft heard.**
6688	**French Strategic Air Force Net. Callsigns: "Capitole", "Cosaque". Aircraft FAF 4074, FAF 6780, RAF Ascot 9204**
6690	**Magic-70**
6712	**French Air Force. Callsign: "Circus Verte"**
6733	**RAF TASCOMM weather traffic to Solex 11 for LCRA RAF Akrotiri. Image-81 & Image-82 (an E-3D Sentry AEW1) wkg TASCOM requesting wx for LCRA, LCLK.**
6761	**USAF aero refueling activities noted.**
6877	**Psy-Ops transmissions in Arab, English and French. Jammed at times.**
9019	**RAF TASCOMM weather traffic.**
9031	**RAF TASCOMM weather traffic. RAF Ascot 9204.**
	FAGIN 71 wkg TASCOM, dept EGVN eta EGVN. Selcal DJAH, QSY to 6733 kHz.
10315	**NATO Geilenkirchen, callsign DHN66 wkg Magic AWACS aircraft.**
10405	**Psy-Ops transmissions in Arab and English.**
12311	**French Air Force. Callsigns "Cyrano", "Veilleur".**
14583.5	**"DAMO 110" French Navy E-2C from Charles de Gaulle wkg "Veilleur" CCOA Taverny**

19-3: Launch of "Operation Odyssey Dawn"

20-3: Psy-Ops transmission on 6877 kHz in Arab, French and English.

Listen to a recording on the UDXF and N&O websites.

Note: The man that delivered the message in Arabic has a very strong Iraqi accent.

Transcript of the transmission:

فورا سفينة تكم اتركوا, الليبيون البحرية ضباط
القذافي نظام, بسلام وبيوت كم عوائلكم الى ارجعوا
الامم تحدة الامم قرارية نتهك

Libyan ship or vessel. Remain anchored; do not leave port. The Khaddafi regime forces are violating a United Nations resolution ordering the end of hostilities in your country. If you attempt to leave port, you will be attacked and destroyed immediately. For your own safety do not leave port.

Marins Lybiens, quittez votre mission immédiatement, laissez votre équipement et retournez chez vous dans vos familles. Le gouvernement de la Lybie, suivant la résolution des Nations Unies, a à répondre des difficulties dans votre pays. Pour votre propre bien, quittez votre bateau immédiatement et ne restez pas plus longtemps à bord!"

1449 kHz: (Great Jamahiriyah Radio) went silent on 19-3 at 1900 UTC. On 20 and 21 March continuous "Allah A'kbar" chants were transmitted. Translation: "Allah is great, Allah is great, Allah is great. There is no God but Allah". Since 22 March Radio Libya al Hurra (Radio Free Libya) is using this frequency.

675 kHz: Radio Free Benghazi.

Various messages were transmitted on 10405 kHz, on 27-30 March. The Arab texts are pretty much the same as the English texts. Thanks to Ahmad for his help with this.

The Gaddafi regime forces are violating a United Nations resolution ordering the end of hostilities in your country. Do not take part in further hostilities. Refuse any order to harm your fellow countrymen or Libyan facilities. Return to your home and family.

ضعوا , بـ أمان بـ يوتـ كم الـ ى عودو تـ حـ تاجـ كم عائـ لاتـ كم
اي شرعـ ية الـ غـ ير الـ قذافـ ي نـ ظام اوامر وارفـ ضوا ا سـ لحـ تـ كم
بـ قوة سـ نـ قاب لها حول كم من ضدـ تـ قرتـ ريـ فونـ ها عدوانـ ية افـ عال
تـ كونـ وا لا شـ عـ بـ كم بـ ابـ ناء يـ لحق اذى ولا ي ممـ يـ تة
وعودوا ا سـ لحـ تـ كم ضـ عوا لـ حمايـ تـ كم ,الـ عدوان فـ ي مـ شـ ترك ين
سالمـ ين بـ يوتـ كم الـ ى

Your family needs you. Return home safely. Lay down you arm and receive orders from your own legit government. Any hostilities against coalition forces will be met with deadly force. Do not harm your fellow countryman. Stop fighting. Abandon your equipment and weapon and return home safely.

, تـ ركـ ه وعدم الـ مـ يـ ناء فـ ي الـ بـ قاء الـ لـ يـ بـ ية الـ سـ فن عـ لى يـ جب
بـ اتـ هاء يـ امر الذي الـ مـ تحدة الامم قـ رار يـ نـ تهك الـ قذافـ ي نـ ظام
سـ تـ عرض الـ مـ يـ ناء تـ ركـ قـ ررت اذا ,بـ لدكم فـ ي الـ عدائـ ية الاعمال
الـ مـ يـ ناء تـ تركو لا ولـ حمايـ تـ كم فـ ورا والـ تدمـ ير لـ لهجوم نـ فـ سك

Libyan ship or vessel remain anchored. Do not leave port. The Gaddafi regime forces are violating a United Nations resolution ordering the end of hostilities in your country. If you attempt to leave port you will be attacked and destroyed immediately. For your own safety, do not leave port.

الـ قذافـ ي نـ ظام الـ مـ يـ ناء الـ ى وارجـ عوا فـ ورا مواقـ عكم اتـ ركوا
الاعمال بـ ااتـ هاء يـ امر الذي الـ مـ تحدة الامم قـ رار يـ تـ نـ تهك
الـ مـ يـ ناء الـ ى ورجـ عت الموقـ ع تـ ركت اذا , بـ لدكم فـ ي الـ عدائـ ية
ارجـ عو ولـ حمايـ تـ كم , والـ تدمـ ير لـ لهجوم نـ فـ سك تـ عرض لا فـ سوف
فـ ورا الـ مـ يـ ناء الـ ى

Leave your position immediately and return to port. The Gaddafi regime forces are violating a United Nations resolution ordering the end of hostilities in your country. If you leave now and return to port, no harm will come to you. For your own safety, return to port now.

معداتـ كم اتـ ركوا فـ ورا سـ فـ نـ كم اتـ ركو الـ لـ يـ بـ يون الـ بحارة
يـ نـ تهك الـ قذافـ ي نـ ظام فـ ورا وبـ يوتـ كم ا سرتـ كم الـ ى وارجـ عوا
بـ لدكم فـ ي الـ عدائـ ية الاعمال بـ اتـ هاء يـ امر الذي الـ مـ تحدة الامم قـ رار
الـ ى تـ عودو ان تـ حاولـ و لا فـ ورا سـ فـ نـ كم اتـ ركوا لـ جمايـ تـ كم
سـ فـ نـ كم

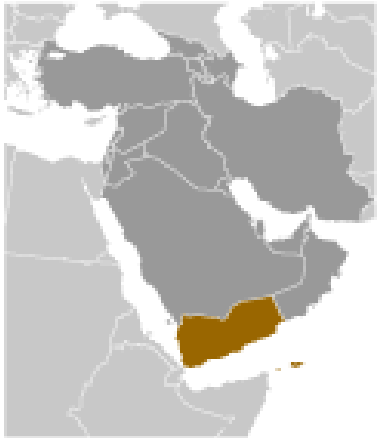
Libyan sailors, leave your ship immediately, leave your equipment and return to your family or your home. The Gaddafi regime forces are violating a United Nations resolution ordering the end of hostilities in your country. For your safety, leave your ship immediately. Do not attempt to return to your ship.

ارجـ عوا فـ ورا سـ فـ يـ نـ تـ كم اتـ ركوا الـ لـ يـ بـ يون الـ بحريـ ة ضـ باط
الامم قـ رار يـ نـ تهك الـ قذافـ ي نـ ظام بـ سلام وبـ يوتـ كم عوائـ لكم الـ ى
اتـ ركوا , بـ لدكم فـ ي الـ عدائـ ية الاعمال بـ اتـ هاء يـ امر الذي الـ مـ تحدة
وبـ يوتـ كم عوائـ لكم الـ ى وعودو الـ خا صة حـ قائـ بكم وخذو معداتـ كم

Libyan naval officers, the Gaddafi regime forces are violating a United Nation resolution ordering the end of hostilities in your country, your crew has been ordered to leave your ship immediately, you should do so as well. Leave your equipment, take only your personal belonging and return to your family or your home.

الامم قـ رار يـ نـ تهك الـ قذافـ ي نـ ظام الـ لـ يـ بـ يون الـ بحريـ ة ضـ باط
طاقـ مكم ,بـ لدكم فـ ي الـ عدائـ ية الاعمال بـ اتـ هاء يـ امر الذي الـ مـ تحدة
عـ لـ يكم يـ جب وكذلـ ك فـ ورا الـ سـ فـ ينة بـ ترك اوامر تـ لـ قى
وعودو فـ قط الـ خا صة حـ قائـ بكم وخذو معداتـ كم تـ ركوا الـ تـ نـ فـ يذ
وبـ يوتـ كم عوائـ لكم الـ ى

Intelligence profile: Yemen



Background

North Yemen became independent of the Ottoman Empire in 1918. The British, who had set up a protectorate area around the southern port of Aden in the 19th century, withdrew in 1967 from what became South Yemen. Three years later, the southern government adopted a Marxist orientation. The massive exodus of hundreds of thousands of Yemenis from the south to the north contributed to two decades of hostility between the states. The two countries were formally unified as the Republic of Yemen in 1990. On 22 May 1990 the Republic of Yemen was established with the merger of the Yemen Arab Republic and the Marxist-dominated People's Democratic Republic of Yemen.

General

Name:	**Al Jumhuriyah al Yamaniyah (Republic of Yemen)**
Short name:	**Al Yaman (Yemen)**
Former names:	**Yemen Arab Republic [Yemen (Sanaa) or North Yemen]** **People's Democratic Republic of Yemen [Yemen (Aden) or South Yemen]**
Capital:	**Sanaa**
21 governorates:	**Abyan, 'Adan (Aden), Ad Dali', Al Bayda', Al Hudaydah, Al Jawf, Al Mahrah, Al Mahwit, Amanat al 'Asimah, 'Amran, Dhamar, Hadramawt, Hajjah, Ibb, Lahij, Ma'rib, Raymah, Sa'dah, San'a' (Sanaa), Shabwah, Ta'izz**

Military branches

Army, Navy (includes Marines), Yemen Air Force (Al Quwwat al Jawwiya al Jamahiriya al Yemeniya; includes Air Defense Force), Republican Guard

Security and Intelligence Agencies

Political Security Organization (PSO)	منظمة الأمن السياسي (جهاز الأمن السياسي)
Criminal Investigative Department	قسم التحقيقات الجنائية
Central Security Organization	منظمة الأمن المركزي
National Security Bureau	مكتب الامن القومي

Political Security Organization

Yemen's paramilitary force has about 71,000 troops. Approximately 50,000 constitute the Central Security Organization of the Ministry of Interior, Yemen's primary and most feared internal security and intelligence-gathering force, led by military officers; it reports directly to the Security Council, chaired by the president. PSO is responsible for security and counterintelligence activities.

Central Security Organization

The Central Security Organization, which is part of the Ministry of Interior, maintains a paramilitary force and also has its own extrajudicial detention facilities. It is responsible for the internal security and protection of government buildings.

Criminal Investigative Department

Also attached to the Ministry of Interior is the Criminal Investigative Department (CID) of the Yemeni Police, which conducts most criminal investigations and arrests. CID has security intelligence and counterterrorism functions.

National Security Bureau

In 2002 the government established the National Security Bureau, which reports directly to the president and appears to have similar responsibilities to those of the PSO, but it remains unclear how the two organizations coordinate their responsibilities.

References

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https://www.cia.gov/library/publications/the-world-factbook/geos/ym.html
U.S. Department of State
http://www.state.gov/r/pa/ei/bgn/35836.htm
Library of Congress Country Studies
http://lcweb2.loc.gov/frd/cs/profiles/Yemen.pdf
Yemen Times
http://www.yementimes.com
Yemen Government
http://www.yemen.gov.ye/portal/

LOGS SECTION

2680	M22	Mode: CW Date/time: 19-3-2011, 0056 UTC	4XZ - Israeli Navy Contr: (norave)
3207	---	Mode: CW Date/time: 1-3-2011, 1945 UTC	Unid KTR4 (R10) (Tue) //3860 kHz Contr: (JPL-HK)
3207	---	Mode: CW Date/time: 3-3-2011, 1050 UTC	Unid KTR4 (In Progress) //3860 kHz Contr: (JPL-HK)
3280	M76	Mode: CW Date/time: 12-3-2011, 1750 UTC	HUWT DE CGF1 QTC 157 31 BT (Sun) Note: The letter U in Contr: (JPL-IT)
3280	M76	Mode: CW Date/time: 14-3-2011, 1756 UTC	.... DE W4M8 QTC 161 32 BT (In Progress) Contr: (JPL-SVK)
3280	M76	Mode: CW Date/time: 15-3-2011, 1755 UTC	3FUF DE BYRU QTC 163 30 = (Note: Very weak signal - un Contr: (JPL-GRC)
3280	M76	Mode: CW Date/time: 18-3-2011, 1809 UTC	NLQO DE ..W2 QTC 171 30 = (Fri) - Note late startup ti Contr: (JPL-D)
3280	M76?	Mode: CW Date/time: 14-3-2011, 1645 UTC	UNID I8C1 DE KQO3 QTC 243 60 14 1835 243 = 045 = AAAAA Contr: (JPL-D)
3297	M89	Mode: CW Date/time: 1-3-2011, 1958 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 4-3-2011, 1505 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 7-3-2011, 1329 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 7-3-2011, 1659 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 15-3-2011, 1328 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Tue) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 16-3-2011, 2004 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 20-3-2011, 1748 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Sun) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 21-3-2011, 1803 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 22-3-2011, 1342 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Tue) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 24-3-2011, 1845 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)

3297	**M89**	**Mode: CW Date/time: 25-3-2011, 2352 UTC**	**V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Fri) Contr: (JPL-HK)**
3297	**M89**	**Mode: CW Date/time: 28-3-2011, 1941 UTC**	**V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Mon) Contr: (JPL-HK)**
3314	**M21**	**Mode: CW Date/time: 5-3-2011, 1905 UTC**	**Russian Air Defense 9922T7??T????? Contr: (VL)**
3314	**M21**	**Mode: CW Date/time: 20-3-2011, 0012 UTC**	**PVO "=99t314??t?????=" no plot data, only time string Contr: (TJ)**
3314	**M21**	**Mode: CW Date/time: 25-3-2011, 0053 UTC**	**Russian Air Defense =99t355??t?????= Contr: (TJ)**
3327	**M89**	**Mode: CW Date/time: 4-3-2011, 1503 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 7-3-2011, 1325 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 7-3-2011, 1656 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 15-3-2011, 1314 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 16-3-2011, 2002 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 20-3-2011, 1747 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 22-3-2011, 1338 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 24-3-2011, 1844 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)**
3327	**M89**	**Mode: CW Date/time: 30-3-2011, 1709 UTC**	**In progress - 4 figure cypher using cut numbers - to n Contr: (JPL-HK)**
3333	**---**	**Mode: CW Date/time: 20-3-2011, 1755 UTC**	**Unid Air Defense tracking station NR 3UA7 AAA5 U355 AR Contr: (JPL-HK)**
3373.0	**S13**	**Mode: USB Date/time: Tue 8-3-2011, 0001 UTC**	**Russian Counting - S06 with 10 numb format ? Contr:**
3511	**M01b**	**Mode: CW Date/time: 10-3-2011, 1932 UTC**	**201 857 52 = 26916 Contr: (FN)**
3520	**M01b**	**Mode: CW Date/time: Fri 11-3-2011, 2110 UTC**	**582-857/52=26916 //4585 Contr: (HFD)**
3521	**M01b**	**Mode: CW Date/time: 4-3-2011, 2110 UTC**	**582 857 52 == 26916 Contr: (FN)**
3522	**M01b**	**Mode: CW Date/time: 11-3-**	**582 857 52 = 26916 Contr: (FN)**

		2011, 2110 UTC	
3535	M01b	Mode: CW Date/time: Mon 14-3-2011, 1910 UTC	420 //4590 Contr: (HFD)
3536	M01b	Mode: CW Date/time: 7-3-2011, 1910 UTC	420 857 52 == 26916 Contr: (FN)
3625	M01b	Mode: CW Date/time: Fri 18-3-2011, 2002 UTC	153-857/52=26916 //4440 Contr: (HFD)
3626	M01b	Mode: CW Date/time: 4-3-2011, 2003 UTC	153 857 52 == 26916 Contr: (FN)
3627	M01b	Mode: CW Date/time: 11-3-2011, 2002 UTC	153 857 52 = 26916] FN FRI M01b 4442 2002z 11/03 [153 Contr: (FN)
3641	---	Mode: CW Date/time: 29-3-2011, 1823 UTC	Unid Air Defense. In Progress - sending tracking info Contr: (JPL-HK)
3641	---	Mode: CW Date/time: 30-3-2011, 1728 UTC	Unid Air Defense sending tracking info using cut numbe Contr: (JPL-HK)
3646	M01b	Mode: CW Date/time: 7-3-2011, 2015 UTC	420 857 52 == 26916 Contr: (FN)
3715	M01b	Mode: CW Date/time: Thu 10-3-2011, 2042 UTC	477 //4570 Contr: (HFD)
3715	M01b	Mode: CW Date/time: Thu 17-3-2011, 2042 UTC	477-###/52=26916 //4570 Contr: (HFD)
3716	M01b	Mode: CW Date/time: 17-3-2011, 2040 UTC	477 857 52 = 26916 Contr: (FN)
3756	S30	Mode: CW Date/time: 14-3-2011, 2237 UTC	The Pip Contr: (AB)
3756	S30	Mode: CW Date/time: 16-3-2011, 2207 UTC	Pip, Russian Mil channel marker Contr: (TJ)
3756	S30	Mode: CW Date/time: 23-3-2011, 2136 UTC	The Pip Contr: (AB)
3756.6	S30	Mode: CW Date/time: 1-3-2011, 1949 UTC	Russian Mil. Pip Contr: (TJ)
3801	M21	Mode: CW Date/time: 4-3-2011, 1938 UTC	Russian air defence, plotting strings Contr: (TJ)
3828.0	S32	Mode: USB Date/time: Tue 29-3-2011, 1904 UTC	Squeaky wheel with slower speed Contr: (Danix)
3828.9	S32	Mode: USB Date/time: 14-3-2011, 2237 UTC	Squeaky Wheel Contr: (AB)
3828.9	S32	Mode: USB Date/time: 16-3-	Squeaky Wheel, Russian Mil channel marker Contr: (TJ)

		2011, 2214 UTC	
3860	---	Mode: CW Date/time: 1-3-2011, 1945 UTC	Unid KTR4 (R10) (Tue) //3207 kHz Contr: (JPL-HK)
3860	---	Mode: CW Date/time: 3-3-2011, 1050 UTC	Unid KTR4 (In Progress) //3207 kHz Contr: (JPL-HK)
3860	---	Mode: CW Date/time: 3-3-2011, 1850 UTC	Unid KTR4 Contr: (PPA)
3928.9	S32	Mode: USB Date/time: 23-3-2011, 2135 UTC	Squeaky Wheel Contr: (AB)
4038.0	M08a	Mode: CW Date/time: Fri 25-3-2011, 0100 UTC	Start. Stop. Start. Stop. Repeat. Contr: (Pres)
4149.0	MX	Mode: CW Date/time: Fri 11-3-2011, 1940 UTC	SLHFB "V". Very weak. Contr: (SWL1409)
4150	MX	Mode: CW Date/time: 25-3-2011, 1942 UTC	Beacon "V" Khiva Contr: (TJ)
4150	MX	Mode: CW Date/time: 29-3-2011, 2101 UTC	Beacon "V" Khiva Contr: (AB)
4150	MX	Mode: CW Date/time: 30-3-2011, 2031 UTC	Beacon "V" Khiva Contr: (AB)
4164.0	E07a	Mode: USB Date/time: Wed 9-3-2011, 0021 UTC	815 - 000 Very strong signal Contr: (stefan)
4180.0	E11	Mode: USB Date/time: Sat 19-3-2011, 0023 UTC	Russian ? man spelling phonetically Contr: (stefan)
4198.5	M32	Mode: CW Date/time: 17-3-2011, 1658 UTC	RCD95: Russian Naval Air Transport qtc from RCB Contr: (WP3)
4198.5	M32	Mode: CW Date/time: 17-3-2011, 1658 UTC	RCB: Russian Naval Air Transport Kaliningrad RUS 5LG t Contr: (WP3)
4225	M89	Mode: CW Date/time: 1-3-2011, 2000 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 3-3-2011, 1105 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 4-3-2011, 1507 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 6-3-2011, 1935 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 7-3-2011, 1658 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 15-3-2011, 1326 UTC	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)

4225	**M89**	**Mode: CW Date/time: 16-3-2011, 2006 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 20-3-2011, 1749 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 21-3-2011, 1749 UTC**	**(In traffic - Into usual round slip at 1802z and //550 Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 22-3-2011, 1344 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 24-3-2011, 1846 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 25-3-2011, 2354 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 28-3-2011, 1940 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4225	**M89**	**Mode: CW Date/time: 29-3-2011, 1140 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)**
4246	**M21**	**Mode: CW Date/time: 1-3-2011, 0829 UTC**	**Russian air defence Contr: (TJ)**
4291	**XSL**	**Mode: PSK Date/time: 22-3-2011, 1229 UTC**	**Japanese Slot Machine Contr: (all)**
4307	**M01c**	**Mode: CW Date/time: 30-3-2011, 1829 UTC**	**i.p. 333 43284 111 43179 111 111 111 000 Contr: (FN)**
4326.04	**MX**	**Mode: CW Date/time: 25-3-2011, 2012 UTC**	**Beacon "R" Contr: (TJ)**
4331	**M22**	**Mode: CW Date/time: 6-3-2011, 2207 UTC**	**4XZ - Israeli Navy. 5LGs and VVV DE 4XZ //6379 kHz Contr: (AB)**
4331	**M22**	**Mode: CW Date/time: 6-3-2011, 2310 UTC**	**4XZ. Israeli navy Tel Aviv Contr: (AB)**
4331	**M22**	**Mode: CW Date/time: 19-3-2011, 0057 UTC**	**4XZ - Israeli Navy Contr: (norave)**
4343	**M01c**	**Mode: CW Date/time: 30-3-2011, 1845 UTC**	**i.p. 536 536 536 58052 (rptd) 536 536 536 050 050 333 Contr: (FN)**
4368	**M89**	**Mode: CW Date/time: 6-3-2011, 1939 UTC**	**V MB3R (x3) DE YA6X (x2) (Cont'd) Contr: (JPL-HK)**
4368	**M89**	**Mode: CW Date/time: 20-3-2011, 1751 UTC**	**V MB3R (x3) DE YA6X (x2) (Cont'd) (Sun) Contr: (JPL-HK)**
4440	**M01b**	**Mode: CW Date/time: Fri 18-3-2011, 2002 UTC**	**153-857/52=26916 //3625 Contr: (HFD)**
4441	**M01b**	**Mode: CW Date/time: 4-3-2011,**	**153 857 52 == 26916 Contr: (FN)**

		2003 UTC	
4454	M01b	Mode: CW Date/time: Mon 14-3-2011, 2015 UTC	771-857/57=26916 Contr: (HFD)
4454	S21	Mode: USB Date/time: Tue 15-3-2011, 1842 UTC	454-782/30=58849 first "454" in cw 4454 strong //4854 Contr: (HFD)
4454	S21	Mode: USB Date/time: 17-3-2011, 1842 UTC	454 782/30 58849 50745 .... 74670 1852z //4854 kHz Contr: (HS2)
4454.0	S21	Mode: USB Date/time: Thu 3-3-2011, 1842 UTC	ID:454. S06 voice Contr: (SWL1409)
4454.0	S21	Mode: USB Date/time: Thu 24-3-2011, 1842 UTC	454 782 30 58845 50745 50486 15711 04240 80532 ..... 74760 782 30 000 Contr: (Spec-G)
4454.5	S06	Mode: AM Date/time: 24-3-2011, 1851 UTC	Russian Man; ends 30 30 000 Contr: (EB)
4454.5	S06	Mode: AM Date/time: 24-3-2011, 1851 UTC	Russian Man ends 30 30 000 Contr: (EB)
4466	M01b	Mode: CW Date/time: 7-3-2011, 2015 UTC	420 857 52 == 26916 Contr: (FN)
4478.0	M08a	Mode: CW Date/time: Sat 26-3-2011, 1100 UTC	5f cut nums: 48422 46602 66071 Contr: (westli)
4497.0	E07	Mode: AM Date/time: Thu 31-3-2011, 2150 UTC	Fair signal. Same message as 2130z. End 2202z. Contr: (Spec-G)
4523	M89	Mode: CW Date/time: 1-3-2011, 1956 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 5-3-2011, 1853 UTC	QPZM de WOXN Contr: (VL)
4523	M89	Mode: CW Date/time: 6-3-2011, 1934 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 7-3-2011, 1325 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 7-3-2011, 1656 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 15-3-2011, 1314 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 16-3-2011, 2002 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 20-3-2011, 1747 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 21-3-	V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)

		2011, 1756 UTC	
4523	M89	Mode: CW Date/time: 22-3-2011, 1338 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327 kHz Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 28-3-2011, 1938 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Mon) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 29-3-2011, 1136 UTC	V QPZM (x3) DE WOXN (x2) (Cont'd) (Tue) Contr: (JPL-HK)
4523	M89	Mode: CW Date/time: 30-3-2011, 1709 UTC	In progress - 4 figure cypher using cut numbers - to n Contr: (JPL-HK)
4532	---	Mode: CW Date/time: 1-3-2011, 2000 UTC	Unid XC6R DE 7GGA K 7G NR 033 CK 99 16030203.. RAKS BT Contr: (JPL-HK)
4532	---	Mode: CW Date/time: 4-3-2011, 1509 UTC	Unid sending groups of cut numbers in format - AU34567 Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 1-3-2011, 2000 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 3-3-2011, 1107 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 4-3-2011, 1509 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 6-3-2011, 1938 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 7-3-2011, 1331 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 15-3-2011, 1329 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Tue) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 16-3-2011, 2008 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 20-3-2011, 1750 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Sun) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 21-3-2011, 1803 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Mon) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 22-3-2011, 1346 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) (Tue) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 24-3-2011, 1847 UTC	V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)
4532	M89	Mode: CW Date/time: 25-3-2011, 1128 UTC	UN2T DE JA3L Contr: (EW)
4532	M89	Mode: CW Date/time: 26-3-2011, 1128 UTC	V JA3L (X3) DE UN2T (X2). Contr: (EW)

4532	**M89**	**Mode: CW Date/time: 29-3-2011, 1142 UTC**	**V JA3L (x3) DE UN2T (x2) (Cont'd) (Tue) Contr: (JPL-HK)**
4532	**M89**	**Mode: CW Date/time: 29-3-2011, 1802 UTC**	**V JA3L (x3) DE UN2T (x2) + message Contr: (JPL-HK)**
4532	**M89**	**Mode: CW Date/time: 31-3-2011, 1812 UTC**	**V JA3L (x3) DE UN2T (x2) (Cont'd) UGT COMM = 654/5638/ Contr: (JPL-HK)**
4555	**M45**	**Mode: CW Date/time: Tue 15-3-2011, 1802 UTC**	**555-782/30=58849 //4955 Contr: (HFD)**
4557.5	**M45**	**Mode: CW Date/time: 29-3-2011, 1808 UTC**	**555 782 782 30 30 = = 58849 (5f traffic groups twice) Contr: (EB)**
4564	**E07a**	**Mode: AM Date/time: Wed 2-3-2011, 2140 UTC**	**815:1-69996 Contr: (HFD)**
4570	**M01b**	**Mode: CW Date/time: Thu 10-3-2011, 2042 UTC**	**477 //3715 Contr: (HFD)**
4570	**M01b**	**Mode: CW Date/time: Thu 17-3-2011, 2042 UTC**	**477-###/52=26916 //3715 Contr: (HFD)**
4571	**M01b**	**Mode: CW Date/time: 17-3-2011, 2040 UTC**	**477 857 52 = 26916 Contr: (FN)**
4585	**M01b**	**Mode: CW Date/time: Fri 11-3-2011, 2110 UTC**	**582-857/52=26916 //3520 Contr: (HFD)**
4586	**M01b**	**Mode: CW Date/time: 4-3-2011, 2110 UTC**	**582 857 52 == 26916 Contr: (FN)**
4587	**M01b**	**Mode: AM Date/time: 11-3-2011, 2110 UTC**	**582 857 52 = 26916 Contr: (FN)**
4590	**M01b**	**Mode: CW Date/time: Mon 14-3-2011, 1910 UTC**	**420 //3535 Contr: (HFD)**
4591	**M01b**	**Mode: CW Date/time: 7-3-2011, 2015 UTC**	**420 857 52 == 26916 Contr: (FN)**
4606	**M01b**	**Mode: CW Date/time: 10-3-2011, 1932 UTC**	**201 857 52 = 26916 Contr: (FN)**
4625	**M32**	**Mode: USB Date/time: 19-3-2011, 0833 UTC**	**Podval-50, Yantar-97 and an unreadable other station. Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 5-3-2011, 1232 UTC**	**Male voice. V6BY V6BY 93 988 07 374 GLOKT 27 56 14 43 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 6-3-2011, 1400 UTC**	**Female voice. Different message when repeated. MDZhB M Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 13-3-2011, 0648 UTC**	**The buzzer on 4625 kHz and parasitic signals on 4670 and 4713 kHz Contr: (AB)**

4625	**S28**	**Mode: USB Date/time: 15-3-2011, 1526 UTC**	**Male voice. MDZhB MDZhB 51 457 FLINTTGLAS 84 88 07 60 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 16-3-2011, 1630 UTC**	**Male voice. MDZhB MDZhB 95 216 KLIMA 70 22 14 80 GLIKO Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 16-3-2011, 1725 UTC**	**Male voice. MDZhB MDZhB 53 037 BLIZNYaK 53 35 65 43 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 18-3-2011, 1443 UTC**	**Female voice. MDZhB MDZhB 07 118 BLIZhNIK 76 27 89 80 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 18-3-2011, 1456 UTC**	**Ponton-50 calling other stations. This is a Russian mi Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 21-3-2011, 0704 UTC**	**Male voice. Very noisy and weak. MDZhB MDZhB 15 ?67 ST Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 22-3-2011, 0456 UTC**	**MDZhB 44 875 KORIDORNYJ 12 88 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 22-3-2011, 0457 UTC**	**MDZhB 14 328 POKRAS 27 89 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 22-3-2011, 1437 UTC**	**MDZhB 85 171 ELEKTRUM 17 30 93 71 ALEKSIN 30 64 43 79 Contr: (AB-EST)**
4625	**S28**	**Mode: USB Date/time: 23-3-2011, 2136 UTC**	**Buzzer //spur on 4670 kHz Contr: (AB)**
4625	**S28**	**Mode: USB Date/time: 24-3-2011, 1426 UTC**	**MDZhB 84 302 MLEKARA 59 26 61 36 ILEK 71 53 89 37 Contr: (RP)**
4625	**S28**	**Mode: USB Date/time: 25-3-2011, 1622 UTC**	**Buzzer Contr: (TJ)**
4625	**S28**	**Mode: USB Date/time: 30-3-2011, 1259 UTC**	**Female voice. MDZhB MDZhB 48 599 OLEVSK 60 61 64 77 Contr: (AB-EST)**
4625.0	**S28**	**Mode: USB Date/time: Thu 3-3-2011, 2022 UTC**	**Buzzer was off and restarted at 2022z Contr: (SWL1409)**
4627.0	**S28**	**Mode: USB Date/time: Wed 30-3-2011, 1832 UTC**	**Voice crypto (CRY2001) + russian chatting + datalink. Contr: (SWL1409)**
4640	**XPA2**	**Mode: AM Date/time: Thu 10-3-2011, 2110 UTC**	**msg Contr: (HFD)**
4640	**XPA2**	**Mode: AM Date/time: Tue 22-3-2011, 2112 UTC**	**msg Contr: (HFD)**
4670	**S28**	**Mode: USB Date/time: 13-3-2011, 0648 UTC**	**The buzzer on 4625 kHz and parasitic signals on 4670 and 4713 kHz Contr: (AB)**
4670	**S28**	**Mode: USB Date/time: 23-3-2011, 2136 UTC**	**Buzzer //spur of 4625 kHz Contr: (AB)**

4673.0	**S28**	**Mode: USB Date/time: Wed 2-3-2011, 1643 UTC**	**Strong parasitics. Contr: (Danix)**
4713	**S28**	**Mode: USB Date/time: 13-3-2011, 0648 UTC**	**The buzzer on 4625 kHz and parasitic signals on 4670 and 4713 kHz Contr: (AB)**
4787.0	**S06**	**Mode: USB Date/time: Sat 5-3-2011, 2006 UTC**	**Caught in progress. End:2007z. Good sig. Fail at the 0s (ending). Contr: (SWL1409)**
4787.0	**S06**	**Mode: USB Date/time: Sat 19-3-2011, 2001 UTC**	**Strong. ID:837. End:2004z. Contr: (SWL1409)**
4791.0	**S06**	**Mode: AM Date/time: Sun 6-3-2011, 2003 UTC**	**837 462 15 34508 05985 70119 07781 78736 98871 62191 69651 93644 69888 90432 ... Contr: (Danix)**
4845	**S06s**	**Mode: AM Date/time: 17-3-2011, 1410 UTC**	**624 918 5 20163 Contr: (FN)**
4845.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1410 UTC**	**Strong signal. 624 00000 Two messages played at once. End 1413z. Contr: (Spec-G)**
4845.0	**S21**	**Mode: USB Date/time: Thu 31-3-2011, 1842 UTC**	**Weak signal. Heavy QRM. 454 782 30 58855 50745 50486 15711 ..... 74760 782 30 00000 Contr: (Spec-G)**
4854	**S21**	**Mode: USB Date/time: Tue 15-3-2011, 1842 UTC**	**454-782/30=58849 first "454" in cw 4454 strong //4454 Contr: (HFD)**
4854.0	**S21**	**Mode: USB Date/time: Tue 29-3-2011, 1842 UTC**	**Fair signal. QRM with fading. 454 782 30 58845 50745 50486 ..... 74760 782 30 00000 Contr: (Spec-G)**
4860	**M89**	**Mode: CW Date/time: 1-3-2011, 2025 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 3-3-2011, 1120 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 7-3-2011, 1322 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K / Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 7-3-2011, 2220 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 11-3-2011, 2320 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 15-3-2011, 1320 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 16-3-2011, 2020 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //68 Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 18-3-2011, 0020 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kH Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 18-3-2011, 2121 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (Fri) //6840 kHz Contr: (JPL-AFS)**

4860	**M89**	**Mode: CW Date/time: 20-3-2011, 2020 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //68 Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 25-3-2011, 1125 UTC**	**VVV Q2M DE NYZ Contr: (EW)**
4860	**M89**	**Mode: CW Date/time: 28-3-2011, 2020 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //684 Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 30-3-2011, 1720 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) (//6 Contr: (JPL-HK)**
4860	**M89**	**Mode: CW Date/time: 30-3-2011, 1720 UTC**	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //68 Contr: (JPL-HK)**
4909	**E11**	**Mode: USB Date/time: Sat 12-3-2011, 0900 UTC**	**248/00 Contr: (HFD)**
4909	**E11**	**Mode: USB Date/time: Sat 19-3-2011, 1445 UTC**	**285/32=90968 Contr: (HFD)**
4909.0	**E11a**	**Mode: USB Date/time: Sat 26-3-2011, 0900 UTC**	**243/34, weak signal, transcript: http://dpaste.com/hold/525750/ Contr: (Danix)**
4923.0	**E06**	**Mode: USB Date/time: Sun 13-3-2011, 0230 UTC**	**759 601 32 68788 90471 81967 81837 53015 92499 ..... 97927 601 32 00000 Contr: (Spec-G)**
4923.0	**E06**	**Mode: AM Date/time: Sun 13-3-2011, 0230 UTC**	**repeat from 5879 kHz 0130-0140 UTC Contr: (IP-NL)**
4923.0	**E06**	**Mode: AM Date/time: Sun 20-3-2011, 0002 UTC**	**ID 759; 208 208 31 31; First Group: 04835 Final Group: 90710 Contr: (why-AUT)**
4923.0	**E06**	**Mode: USB Date/time: Sun 27-3-2011, 0230 UTC**	**Strong clear signal. 759 216 34 34685 Same message as 0130z. End 0240z Contr: (Spec-G)**
4955	**M45**	**Mode: CW Date/time: Tue 15-3-2011, 1802 UTC**	**555-782/30=58849 //4555 Contr: (HFD)**
4961	**MX**	**Mode: CW Date/time: 28-2-2011, 2158 UTC**	**Beacon "V" Khiva Contr: (VL)**
5019	**M01**	**Mode: CW Date/time: 1-3-2011, 2000 UTC**	**463 382 30 == 89994 Contr: (FN)**
5020	**M01**	**Mode: CW Date/time: 10-3-2011, 2000 UTC**	**463 345 30 = 04623 Contr: (FN)**
5020	**M01**	**Mode: CW Date/time: Tue 22-3-2011, 2000 UTC**	**463 started at 19 :59 preamble till 19:06 many errors Contr: (HFD)**
5127	**S06**	**Mode: AM Date/time: Mon 28-3-2011, 1905 UTC**	**349:0 Contr: (HFD)**
5127.0	**S06**	**Mode: USB Date/time: Mon 28-3-2011, 1905 UTC**	**Fair signal. 345 00000 Null message. End 1908z. Contr: (Spec-G)**

5135	V02a	Mode: AM Date/time: 19-3-2011, 0100 UTC	YLSS "Atencion" into groups of 5#s Contr: (rill)
5146	E07	Mode: AM Date/time: 17-3-2011, 0530 UTC	188 000 Contr: (HS2)
5146	E07a	Mode: AM Date/time: Thu 24-3-2011, 0530 UTC	188:1-69996-700/45 =10134 Contr: (HFD)
5163	M12	Mode: CW Date/time: Wed 2-3-2011, 2220 UTC	714:0 Contr: (HFD)
5164	E07	Mode: AM Date/time: 9-3-2011, 2120 UTC	815 815 815 Contr: (FN)
5164	E07a	Mode: AM Date/time: Wed 2-3-2011, 2120 UTC	815:1-69996 Contr: (HFD)
5164.0	E07a	Mode: USB Date/time: Wed 30-3-2011, 2120 UTC	Strong signal. 815 000 Null message. End 2122z. Contr: (Spec-G)
5186	E06	Mode: AM Date/time: Thu 17-3-2011, 2030 UTC	891-123/15=23456 scratchy speech machine Contr: (HFD)
5186	E06	Mode: AM Date/time: 17-3-2011, 2030 UTC	891 123/15 23456 12345 32132 43562 13678 87906 45678 3 Contr: (HS2)
5186.0	E06	Mode: AM Date/time: Thu 17-3-2011, 1931 UTC	123456789 count, started with low volume then sud-denly increased Contr: (Danix)
5186.0	E06	Mode: USB Date/time: Thu 17-3-2011, 2030 UTC	891 123 15 23456 12345 32132 43562 13678 87906 ..... 54678 123 15 00000 Contr: (Spec-G)
5197	E06	Mode: AM Date/time: Fri 18-3-2011, 2130 UTC	634-124/15=23421 Contr: (HFD)
5197.0	E06	Mode: USB Date/time: Fri 18-3-2011, 2130 UTC	634 124 15 23421 54632 78906 54356 24314 56789 ..... 09898 124 15 00000 Contr: (Spec-G)
5240	XPA2	Mode: AM Date/time: Thu 10-3-2011, 2050 UTC	msg Contr: (HFD)
5240	XPA2	Mode: AM Date/time: Tue 22-3-2011, 2050 UTC	msg Contr: (HFD)
5278	M89	Mode: CW Date/time: 26-3-2011, 1130 UTC	V GKVZ (3) DE Q7NW (X2). Contr: (EW)
5278	M89	Mode: CW Date/time: 29-3-2011, 1138 UTC	V GKVZ (x3) DE Q7NW (x2) (Cont'd) (Tue) Contr: (JPL-HK)
5303	VC01	Mode: USB Date/time: 4-3-2011, 1032 UTC	Chinese robot Contr: (MOR)
5303	VC01	Mode: USB Date/time: 4-3-2011, 2032 UTC	Chinese robot. Contr: (YM)

5310	**M89**	**Mode: CW Date/time: 11-3-2011, 2327 UTC**	**V QPZM (x3) DE WOXN (x2) Contr: (JPL-HK)**
5310	**M89**	**Mode: CW Date/time: 18-3-2011, 0027 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //7833 kHz Contr: (JPL-HK)**
5320	**S06s**	**Mode: AM Date/time: 17-3-2011, 1400 UTC**	**624 918 5 20163 Contr: (FN)**
5357	**---**	**Mode: CW Date/time: 17-3-2011, 1725 UTC**	**Unid Air Defense. In Progress - sending Time signal us Contr: (JPL-HK)**
5357	**---**	**Mode: CW Date/time: 22-3-2011, 1130 UTC**	**Nonstop "DE DD5". Connected to the unid Air Defense st Contr: (EW)**
5357	**---**	**Mode: CW Date/time: 22-3-2011, 1318 UTC**	**Unid Air Defense. Time signal, then started tracking u Contr: (JPL-HK)**
5357	**---**	**Mode: CW Date/time: 23-3-2011, 1158 UTC**	**Unid Air Defense. Tracking Contr: (EW)**
5357	**---**	**Mode: CW Date/time: 25-3-2011, 2357 UTC**	**Unid air defense. Time strings using cut numbers: AU34 Contr: (JPL-HK)**
5357	**---**	**Mode: CW Date/time: 28-3-2011, 2011 UTC**	**Unid Air Defense in progress - sending Time signal usi Contr: (JPL-HK)**
5357	**---**	**Mode: CW Date/time: 29-3-2011, 1143 UTC**	**Unid Air Defense i.p. sending Time signal using cut nu Contr: (JPL-HK)**
5380.0	**M14**	**Mode: CW Date/time: Wed 9-3-2011, 1522 UTC**	**(i.p) 7966t 7966t 31437 31437...==97t 97t 58 58 ttttt Contr: (FMB)**
5380.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1400 UTC**	**Strong signal. 624 00000 Null message. End 1404z. Contr: (Spec-G)**
5417.0	**V02a**	**Mode: AM Date/time: Fri 4-3-2011, 0200 UTC**	**SSYL atencion: 18771 8.722 ..762 Very weak sig. Contr: (westli)**
5417.0	**V02a**	**Mode: AM Date/time: Fri 25-3-2011, 0200 UTC**	**SSYL atencion: .... Unreadable due to audio dropouts. Contr: (westli)**
5419	**M23**	**Mode: CW Date/time: 11-3-2011, 1250 UTC**	**Monitored 5419 starting at 1250z for possible 1300z sk Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 11-3-2011, 1400 UTC**	**747 (R17) (Fri) //5450 kHz. Notes: Called for 17 minut Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 11-3-2011, 1500 UTC**	**747 (R17) (Fri) //5450 kHz Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 11-3-2011, 1600 UTC**	**747 (R17) (Fri) //5450 kHz Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 12-3-2011, 1400 UTC**	**747 (R17) (Sat) //5450 kHz Contr: (JPL-G)**
5419	**M23**	**Mode: CW Date/time: 12-3-**	**747 (R17) (Sat) //5450 kHz Note: Stopped after 2 minu Contr: (JPL-G)**

		2011, 1500 UTC	
5419	**M23**	**Mode: CW Date/time: 12-3-2011, 1600 UTC**	**747 (R17) (Sat) //5450 kHz Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 13-3-2011, 1400 UTC**	**747 (R17) (Sun) //5450 kHz Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 13-3-2011, 1500 UTC**	**747 (R17) (Sun) //5419 kHz Contr: (JPL-SVK)**
5419	**M23**	**Mode: CW Date/time: 14-3-2011, 1504 UTC**	**747 (In Progress) (Mon) Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 14-3-2011, 1600 UTC**	**747 Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 15-3-2011, 1400 UTC**	**747 (R17) (Tue) //5450 kHz Contr: (JPL-G)**
5419	**M23**	**Mode: CW Date/time: 15-3-2011, 1500 UTC**	**747 (R17) (Tue) //5450 - Mostly unreadable Contr: (JPL-E)**
5419	**M23**	**Mode: CW Date/time: 15-3-2011, 1600 UTC**	**747 (R17) (Tue) //5450 kHz Contr: (JPL-E)**
5419	**M23**	**Mode: CW Date/time: 17-3-2011, 1417 UTC**	**747 (R17) (Tue) //5450 kHz Contr: (JPL-G)**
5419	**M23**	**Mode: CW Date/time: 17-3-2011, 1500 UTC**	**747 (R17) (Tue) //5450 kHz Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 17-3-2011, 1600 UTC**	**747 (R17) (Tue) //5450 kHz Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 18-3-2011, 1400 UTC**	**747 (R17) (Fri) //5450 kHz Contr: (JPL-E)**
5419	**M23**	**Mode: CW Date/time: 18-3-2011, 1500 UTC**	**747 (R17) (Fri) //5450 kHz Contr: (JPL-NL)**
5419	**M23**	**Mode: CW Date/time: 18-3-2011, 1600 UTC**	**747 (R17) (Fri) //5450 kHz Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 25-3-2011, 1406 UTC**	**747 (In progress) (Fri) //5450 kHz Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 25-3-2011, 1600 UTC**	**747 (R18) (Fri) //5450 kHz Contr: (JPL-G)**
5419	**M23**	**Mode: CW Date/time: 28-3-2011, 1302 UTC**	**747 (In progress - extremely weak) (Mon) Contr: (JPL-F)**
5419	**M23**	**Mode: CW Date/time: 28-3-2011, 1400 UTC**	**747 (R18) (Mon) //5450 kHz Contr: (JPL-D)**
5419	**M23**	**Mode: CW Date/time: 28-3-2011, 1500 UTC**	**747 (In progress) (Mon) //5450 kHz Contr: (JPL-D)**

5442	**G06**	**Mode: AM Date/time: Fri 11-3-2011, 1930 UTC**	**947-456/15=12453 Contr: (HFD)**
5442.0	**G06**	**Mode: USB Date/time: Fri 25-3-2011, 1930 UTC**	**Strong signal. 947 456 15 12453 23564 35764 46875 57687 ..... 68879 456 15 00000 Contr: (Spec-G)**
5450	**M23**	**Mode: CW Date/time: 11-3-2011, 1400 UTC**	**747 (R17) //5914 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 11-3-2011, 1400 UTC**	**747 (R17) (Fri) //5419 kHz. Notes: Called for 17 minut Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 11-3-2011, 1500 UTC**	**747 (R17) (Fri) //5419 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 11-3-2011, 1600 UTC**	**747 (R17) (Fri) //5419 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 12-3-2011, 1400 UTC**	**747 (R17) (Sat) //5419 kHz Contr: (JPL-G)**
5450	**M23**	**Mode: CW Date/time: 12-3-2011, 1500 UTC**	**747 (R17) (Sat) //5419 kHz Note: Stopped after 2 minu Contr: (JPL-G)**
5450	**M23**	**Mode: CW Date/time: 12-3-2011, 1600 UTC**	**747 (R17) (Sat) //5419 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 13-3-2011, 1400 UTC**	**747 (R17) (Sun) //5450 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 13-3-2011, 1500 UTC**	**747 (R17) (Sun) //5419 kHz Contr: (JPL-SVK)**
5450	**M23**	**Mode: CW Date/time: 15-3-2011, 1400 UTC**	**747 (R17) (Tue) //5419 kHz Contr: (JPL-G)**
5450	**M23**	**Mode: CW Date/time: 15-3-2011, 1600 UTC**	**747 (R17) (Tue) //5419 kHz Contr: (JPL-E)**
5450	**M23**	**Mode: CW Date/time: 17-3-2011, 1417 UTC**	**747 (R17) (Tue) //5419 kHz Contr: (JPL-G)**
5450	**M23**	**Mode: CW Date/time: 17-3-2011, 1500 UTC**	**747 (R17) (Tue) //5419 kHz Contr: (JPL-D)**
5450	**M23**	**Mode: CW Date/time: 17-3-2011, 1600 UTC**	**747 (R17) (Tue) //5419 kHz Contr: (JPL-D)**
5450	**M23**	**Mode: CW Date/time: 18-3-2011, 1400 UTC**	**747 (R17) (Fri) //5419 kHz Contr: (JPL-E)**
5450	**M23**	**Mode: CW Date/time: 18-3-2011, 1500 UTC**	**747 (R17) (Fri) //5419 kHz Contr: (JPL-NL)**
5450	**M23**	**Mode: CW Date/time: 20-3-2011, 1500 UTC**	**747 (R17) (Sun) Contr: (JPL-G)**
5450	**M23**	**Mode: CW Date/time: 20-3-**	**747 (R17) Contr: (JPL-D)**

		2011, 1600 UTC	
5450	M23	Mode: CW Date/time: 21-3-2011, 1400 UTC	747 (R17) (Mon) Contr: (JPL-E)
5450	M23	Mode: CW Date/time: 21-3-2011, 1500 UTC	747 (R17) (Mon) Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 21-3-2011, 1600 UTC	747 (R17) (Mon) Contr: (JPL-E)
5450	M23	Mode: CW Date/time: 22-3-2011, 1300 UTC	747 (R17) Contr: (JPL-HOL)
5450	M23	Mode: CW Date/time: 22-3-2011, 1400 UTC	747 (R17) Contr: (JPL-E)
5450	M23	Mode: CW Date/time: 22-3-2011, 1500 UTC	747 (R17) Contr: (JPL-E)
5450	M23	Mode: CW Date/time: 22-3-2011, 1600 UTC	747 (R17) Contr: (JPL-E)
5450	M23	Mode: CW Date/time: 24-3-2011, 1607 UTC	747 (In progress) Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 25-3-2011, 1300 UTC	747 (R13) (Fri) Stopped after 13 minutes vice the now Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 25-3-2011, 1406 UTC	747 (In progress) (Fri) //5419 kHz Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 25-3-2011, 1600 UTC	747 (R18) (Fri) //5419 kHz Contr: (JPL-G)
5450	M23	Mode: CW Date/time: 28-3-2011, 1400 UTC	747 (R18) (Mon) //5419 kHz Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 28-3-2011, 1500 UTC	747 (In progress) (Mon) //5419 kHz Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 31-3-2011, 1401 UTC	747 (R17) (Thu) (//5419 kHz Contr: (JPL-D)
5450	M23	Mode: CW Date/time: 31-3-2011, 1501 UTC	747 (R17) (Thu) (//5419 kHz Contr: (JPL-D)
5454	M23	Mode: CW Date/time: 18-3-2011, 1600 UTC	747 (R17) (Fri) //5419 kHz Contr: (JPL-D)
5464.0	M14	Mode: CW Date/time: Wed 9-3-2011, 2020 UTC	537 652 652 15 15 == 15523 15523 35542 35542 65643 65643 86789 86789 35564 35564 Contr: (Danix)
5470	S06s	Mode: AM Date/time: Fri 11-3-2011, 0610 UTC	934 Contr: (HFD)
5470	S06s	Mode: AM Date/time: 11-3-2011, 0610 UTC	934 871 5 51371 Contr: (FN)

5474	**M01**	**Mode: CW Date/time: 1-3-2011, 1800 UTC**	**463 217 30 == 41061 Contr: (FN)**
5474	**M01**	**Mode: CW Date/time: Tue 15-3-2011, 1800 UTC**	**463-417/30=37419 Contr: (HFD)**
5475	**M01**	**Mode: CW Date/time: 10-3-2011, 1800 UTC**	**463 979 30 = 86334 Contr: (FN)**
5500	**M89**	**Mode: CW Date/time: 1-3-2011, 2000 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 3-3-2011, 1105 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 4-3-2011, 1507 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 5-3-2011, 1850 UTC**	**7NPE de QV5B Contr: (VL)**
5500	**M89**	**Mode: CW Date/time: 6-3-2011, 1935 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 7-3-2011, 1658 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 15-3-2011, 1317 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) UNT COMM BT BT 0 Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 16-3-2011, 2006 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 20-3-2011, 1749 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Sun) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 21-3-2011, 1802 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Mon) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 22-3-2011, 1344 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 24-3-2011, 1846 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 25-3-2011, 2354 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Fri) Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 26-3-2011, 1140 UTC**	**V 7NPE (X1) DE QV5B (X1). Contr: (EW)**
5500	**M89**	**Mode: CW Date/time: 28-3-2011, 1940 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Mon) //4225 kHz Contr: (JPL-HK)**
5500	**M89**	**Mode: CW Date/time: 29-3-2011, 1140 UTC**	**V 7NPE (x3) DE QV5B (x2) (Cont'd) (Tue) //4225 kHz Contr: (JPL-HK)**

5715.0	**V24**	**Mode: AM Date/time: Wed 30-3-2011, 1233 UTC**	**RS=59, in progress Contr: (TI)**
5735.0	**S06**	**Mode: USB Date/time: Wed 2-3-2011, 1802 UTC**	**Caught i/p. Null message. 471 471 471 00000. Strong, QSB3. End:1804z Contr: (SWL1409)**
5737	**E11**	**Mode: USB Date/time: Sun 13-3-2011, 1240 UTC**	**349/00 Contr: (HFD)**
5752	**M21**	**Mode: CW Date/time: 7-3-2011, 1720 UTC**	**BT 99 2018 ??8????? Contr: (JPL-HK)**
5752	**M21**	**Mode: CW Date/time: 17-3-2011, 2156 UTC**	**Russian Air Defense: =990056??0????? Contr: (WP3)**
5760	**S06s**	**Mode: AM Date/time: Tue 1-3-2011, 0700 UTC**	**374-912/5=63627 Contr: (HFD)**
5760	**S06s**	**Mode: AM Date/time: 29-3-2011, 0700 UTC**	**374 374 374 00000 Contr: (FN)**
5763	**M12**	**Mode: CW Date/time: Wed 2-3-2011, 2200 UTC**	**714:0 Contr: (HFD)**
5784	**S06**	**Mode: AM Date/time: Thu 31-3-2011, 1900 UTC**	**349:0 Contr: (HFD)**
5788	**M12**	**Mode: CW Date/time: Wed 2-3-2011, 1840 UTC**	**463:1 Contr: (HFD)**
5798	**S06**	**Mode: AM Date/time: 17-3-2011, 1900 UTC**	**349 00000] Strong Hans THU Contr: (HS2)**
5800	**M08a**	**Mode: CW Date/time: 12-3-2011, 0600 UTC**	**Cuban DGI 5F msg using cut numbers, header WNGWN Contr: (PPA)**
5800.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 0621 UTC**	**Caught in progress, SINPO 34333 Contr: (Danix)**
5805	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 1240 UTC**	**278:0 Contr: (HFD)**
5810	**M01b**	**Mode: CW Date/time: 4-3-2011, 1615 UTC**	**158 692 30 == 69609 Contr: (FN)**
5815	**G11**	**Mode: USB Date/time: 8-3-2011, 1755 UTC**	**270/00 Contr: (HS2)**
5815	**G11**	**Mode: USB Date/time: Tue 15-3-2011, 1755 UTC**	**270/00 Contr: (HFD)**
5815	**G11**	**Mode: USB Date/time: Sat 19-3-2011, 1325 UTC**	**299/00 Contr: (HFD)**
5815	**S11a**	**Mode: USB Date/time: Sat 19-3-2011, 1020 UTC**	**221/00 Contr: (HFD)**

5815.0	**G11**	**Mode: USB Date/time: Sat 12-3-2011, 0013 UTC**	**299/00 no message Contr: (stefan)**
5815.0	**G11**	**Mode: USB Date/time: Tue 22-3-2011, 1755 UTC**	**270/00, transmitter problems, as you can hear on this a bit noisy Contr: (Danix)**
5815.0	**G11**	**Mode: USB Date/time: Fri 25-3-2011, 1325 UTC**	**299/00, no malfunctions Contr: (Danix)**
5836	**E07**	**Mode: AM Date/time: Thu 17-3-2011, 2130 UTC**	**584:0 Contr: (HFD)**
5836.0	**E07**	**Mode: USB Date/time: Thu 31-3-2011, 2130 UTC**	**Strong signal. 584 1 749 90 10950 87029 25198 77403 ..... 85843 000 000 Contr: (Spec-G)**
5846	**E07a**	**Mode: AM Date/time: Thu 24-3-2011, 0550 UTC**	**188:1-69996 Contr: (HFD)**
5864	**E07**	**Mode: AM Date/time: 9-3-2011, 2100 UTC**	**815 815 815 Contr: (FN)**
5864	**E07a**	**Mode: AM Date/time: Wed 2-3-2011, 2100 UTC**	**815:1-69996-700/45 =10314 Contr: (HFD)**
5864.0	**E07a**	**Mode: USB Date/time: Wed 30-3-2011, 2100 UTC**	**Strong signal. 815 000 Null message. End 2102z. Contr: (Spec-G)**
5867.0	**E06**	**Mode: USB Date/time: Fri 25-3-2011, 0130 UTC**	**Contr: (Pres)**
5867.0	**E06**	**Mode: AM Date/time: Sat 26-3-2011, 0130 UTC**	**Russian Man, QRM in places. Contr: (Saber)**
5878.0	**E06**	**Mode: USB Date/time: Sun 13-3-2011, 0130 UTC**	**Russian Man, full message inaudible due to heavy QRM. Contr: (Saber)**
5879.0	**E06**	**Mode: AM Date/time: Sun 13-3-2011, 0130 UTC**	**recording: http://tinyurl.com/4tfcvnq bad propagation conditions Contr: (IP-SVK)**
5879.0	**E06**	**Mode: USB Date/time: Sat 19-3-2011, 0130 UTC**	**Contr: (IP-DE)**
5879.0	**E06**	**Mode: USB Date/time: Sat 19-3-2011, 0130 UTC**	**Hidden in the LSB of an AM station. Contr: (Pres)**
5879.0	**E06**	**Mode: USB Date/time: Sun 27-3-2011, 0130 UTC**	**Strong signal, good reception. 759 216 34 34685 49567 54064 37998 64030 .... Contr: (Spec-G)**
5879.0	**E06**	**Mode: AM Date/time: Sun 27-3-2011, 0130 UTC**	**Freq correction: 5879 Contr: (Pres)**
5879.0	**E06**	**Mode: AM Date/time: Sun 27-3-2011, 0130 UTC**	**Contr: (IP-UK)**
5881.0	**E06**	**Mode: USB Date/time: Sat 5-3-2011, 0130 UTC**	**Russian Man, poor reception but still audible (unsure of new frequency). Contr: (Saber)**

5882.0	**E06**	**Mode: AM Date/time: Fri 4-3-2011, 0130 UTC**	**Contr: (IP-DE)**
5883.0	**M08a**	**Mode: MCW Date/time: Fri 25-3-2011, 0700 UTC**	**15732 56221 34181 Contr: (MS)**
5883.0	**V02a**	**Mode: AM Date/time: Thu 3-3-2011, 0007 UTC**	**Woman counting numbers in spanish in random order. Contr: (2AT110)**
5884.0	**E06**	**Mode: AM Date/time: Sat 5-3-2011, 0130 UTC**	**Contr: (IP-DE)**
5884.0	**E06**	**Mode: AM Date/time: Sun 6-3-2011, 0130 UTC**	**759 284 31 20599 60584 98434 25488 79078 59614 ..... 18222 284 31 00000 Contr: (Spec-G)**
5885.0	**E06**	**Mode: USB Date/time: Sun 20-3-2011, 0130 UTC**	**Russian Man, clear on AM, but clearer on USB. Contr: (Saber)**
5886.0	**E06**	**Mode: USB Date/time: Sun 20-3-2011, 0130 UTC**	**759 208 31 04835 06791 89439 00738 41099 55152 ..... 90710 208 31 00000 Contr: (Spec-G)**
5886.0	**E06**	**Mode: AM Date/time: Sun 20-3-2011, 0130 UTC**	**Fair signal into NY. Unstable-frequency jumped around. Contr: (Pres)**
5886.0	**E06**	**Mode: AM Date/time: Sun 20-3-2011, 0130 UTC**	**Contr: (Danix)**
5887.0	**E06**	**Mode: AM Date/time: Sun 20-3-2011, 0130 UTC**	**Contr: (IP-UK)**
5892	**XPA2**	**Mode: AM Date/time: Tue 22-3-2011, 2030 UTC**	**msg Contr: (HFD)**
5898.0	**E06**	**Mode: AM Date/time: Sun 27-3-2011, 0130 UTC**	**Contr: (Pres)**
5898.0	**M08a**	**Mode: MCW Date/time: Tue 1-3-2011, 0510 UTC**	**Not pushing the meter, but loud and clear here. Contr: (DZ)**
5898.0	**M08a**	**Mode: MCW Date/time: Fri 25-3-2011, 0800 UTC**	**15732 56221 34181 Contr: (MS)**
5898.0	**SK01**	**Mode: RFDT Date/time: Wed 30-3-2011, 0600 UTC**	**Contr: (MS)**
5914	**M23**	**Mode: CW Date/time: 10-3-2011, 1607 UTC**	**747 747 ... Contr: (FN)**
5914	**M23**	**Mode: CW Date/time: 11-3-2011, 1400 UTC**	**747 (R17) //5450 kHz Contr: (JPL-SVK)**
5914	**M23**	**Mode: CW Date/time: 11-3-2011, 1500 UTC**	**747 continued until 1517 then stopped Contr: (EB)**
5914.0	**M23**	**Mode: CW Date/time: Wed 9-3-2011, 1612 UTC**	**747 Contr: (FMB)**

5935	**G06**	**Mode: AM Date/time: Thu 24-3-2011, 1830 UTC**	**579 heavy BC QRM Contr: (HFD)**
6250	**XSL**	**Mode: PSK Date/time: 7-3-2011, 0925 UTC**	**Japanese Slot Machine Contr: (ranger)**
6261	**M01**	**Mode: CW Date/time: Sat 12-3-2011, 1500 UTC**	**463 Contr: (HFD)**
6270.0	**S06s**	**Mode: USB Date/time: Thu 3-3-2011, 1420 UTC**	**624 624 624 0 0 0 0 0 Contr: (Danix)**
6321.5	**M21**	**Mode: CW Date/time: 7-3-2011, 2125 UTC**	**Russian Air Defence.Plots and time strings =99?0024?9? Contr: (MPJ)**
6322.0	**M21**	**Mode: CW Date/time: Tue 8-3-2011, 2035 UTC**	**Fair. Russian talking over it. Contr: (SWL1409)**
6340	**S06s**	**Mode: AM Date/time: Fri 11-3-2011, 0600 UTC**	**934-871/5=51371 Contr: (HFD)**
6340	**S06s**	**Mode: AM Date/time: 11-3-2011, 0600 UTC**	**934 871 5 51371 Contr: (FN)**
6379	**M22**	**Mode: CW Date/time: 6-3-2011, 2207 UTC**	**4XZ - Israeli Navy. 5LGs and VVV DE 4XZ //4331 kHz Contr: (AB)**
6379	**M22**	**Mode: CW Date/time: 6-3-2011, 2310 UTC**	**4XZ. Israeli navy Tel Aviv Contr: (AB)**
6379	**M22**	**Mode: CW Date/time: 19-3-2011, 0058 UTC**	**4XZ - Israeli Navy Contr: (norave)**
6415	**S06s**	**Mode: AM Date/time: 2-3-2011, 1210 UTC**	**481 209 5 54019 Contr: (FN)**
6417.0	**XSL**	**Mode: PSK Date/time: Thu 3-3-2011, 1952 UTC**	**Weak, QSB2. XJT QRM2. Contr: (SWL1409)**
6430	**MX**	**Mode: CW Date/time: 1-3-2011, 1814 UTC**	**Beacon "V" Khiva Contr: (TJ)**
6433	**E11**	**Mode: USB Date/time: Mon 28-3-2011, 1050 UTC**	**127/00 Contr: (HFD)**
6433.0	**G11**	**Mode: USB Date/time: Fri 11-3-2011, 2002 UTC**	**262/00. Caught in progress. Very strong. End:2003z. Contr: (SWL1409)**
6433.0	**G11**	**Mode: USB Date/time: Fri 18-3-2011, 2003 UTC**	**With message. Caught in progress. "Achtung" heard 1 time. End:2009z. Contr: (SWL1409)**
6433.0	**G11**	**Mode: USB Date/time: Sun 20-3-2011, 2000 UTC**	**ID263/31. Same message as 18march 2000z. Transmitter problems. Contr: (SWL1409)**
6433.0	**G11**	**Mode: USB Date/time: Fri 25-3-2011, 2000 UTC**	**262/00, very weak due to STANAG Contr: (Danix)**

6445	**XSL**	**Mode: PSK Date/time: 13-3-2011, 2056 UTC**	**Japan Maritime Self-Defense Force Contr: (PPA)**
6464	**S06s**	**Mode: AM Date/time: 1-3-2011, 1500 UTC**	**537 819 6 15357 Contr: (FN)**
6464	**S06s**	**Mode: AM Date/time: Tue 15-3-2011, 1500 UTC**	**537 Contr: (HFD)**
6464.0	**S06**	**Mode: USB Date/time: Tue 8-3-2011, 1500 UTC**	**537 819 6 15357 01898 73224 42277 76294 37536 819 6 00000 Contr: (Spec-G)**
6464.0	**S06**	**Mode: USB Date/time: Tue 15-3-2011, 1500 UTC**	**537 810 6 89177 67548 34251 67882 11996 78987 810 6 00000 Contr: (Spec-G)**
6478	**VC01**	**Mode: LSB Date/time: 16-3-2011, 0001 UTC**	**Chinese Robot Contr: (KP2)**
6479	**VC01**	**Mode: LSB Date/time: 1-3-2011, 1354 UTC**	**Chinese Robot Contr: (BKS)**
6508	**M01**	**Mode: CW Date/time: Sun 20-3-2011, 0700 UTC**	**463 Contr: (HFD)**
6730.0	**V24**	**Mode: AM Date/time: Sun 6-3-2011, 1630 UTC**	**SINPO 35333 Contr: (Danix)**
6768	**V02a**	**Mode: AM Date/time: 23-3-2011, 0133 UTC**	**in progress Contr: (FC)**
6768.0	**V02a**	**Mode: AM Date/time: Sat 5-3-2011, 0130 UTC**	**Bad transmitter problems. Contr: (Pres)**
6768.0	**V02a**	**Mode: AM Date/time: Mon 7-3-2011, 0400 UTC**	**SSYL: 66241 .... Caught late. Contr: (westli)**
6768.0	**V02a**	**Mode: AM Date/time: Mon 28-3-2011, 0400 UTC**	**SSYL atencion: 54361 07442 02171 Good sig. Strong sig, poor audio. Contr: (westli)**
6774	**G06**	**Mode: AM Date/time: Mon 14-3-2011, 0800 UTC**	**215 Contr: (HFD)**
6784	**M12**	**Mode: CW Date/time: Wed 23-3-2011, 0500 UTC**	**751:1 Contr: (HFD)**
6795	**M42**	**Mode: Baudot 50/500 Date/time: 1-3-2011, 0903 UTC**	**RXZ32: Russian Gov/Intel, St.Petersburg Contr: (TJ)**
6802	**M12**	**Mode: CW Date/time: Wed 2-3-2011, 1820 UTC**	**463:1 Contr: (HFD)**
6802.0	**M12**	**Mode: CW Date/time: Wed 2-3-2011, 1822 UTC**	**Caught i/p. Strong, +15dB, QSB3. Contr: (SWL1409)**
6810	**S06**	**Mode: AM Date/time: 2-3-2011, 1003 UTC**	**OM/RR 480 480 ... 480 into 2x5FGs after "5_6 5_6 58 5 Contr: (ALF)**

6814	E11	Mode: USB Date/time: 8-3-2011, 0819 UTC	435/35 A 58083 50323 .... 86821 OUT Contr: (HS2)
6814	E11	Mode: USB Date/time: 17-3-2011, 0820 UTC	438/00 Contr: (HS2)
6828	M21	Mode: CW Date/time: 27-3-2011, 0719 UTC	=991119??8????? Contr: (PPA)
6830	M42	Mode: Baudot 50/500 Date/time: 1-3-2011, 0945 UTC	Russian Gov/Intel. Contr: (TJ)
6830	S06s	Mode: AM Date/time: Mon 28-3-2011, 1610 UTC	176 Contr: (HFD)
6830.0	S06s	Mode: USB Date/time: Mon 28-3-2011, 1610 UTC	Strong signal. 176 948 5 47732 ..... 00000 Same message as 1600z. End 1615z Contr: (Spec-G)
6840	M89	Mode: CW Date/time: 1-3-2011, 2025 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 3-3-2011, 1120 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 6-3-2011, 1723 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K Contr: (JPL-SVK)
6840	M89	Mode: CW Date/time: 7-3-2011, 1322 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K / Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 7-3-2011, 2220 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 11-3-2011, 2320 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 15-3-2011, 1320 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 16-3-2011, 2020 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //48 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 18-3-2011, 0020 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kH Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 18-3-2011, 2121 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (Fri) //4860 kHz Contr: (JPL-AFS)
6840	M89	Mode: CW Date/time: 20-3-2011, 2020 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Sun) //48 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 21-3-2011, 1029 UTC	VVV Q2M de NYZ Contr: (Joe)
6840	M89	Mode: CW Date/time: 21-3-2011, 1822 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (In Progress) QSA ? K (M Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 25-3-	VVV Q2M DE NYZ Contr: (EW)

		2011, 1117 UTC	
6840	M89	Mode: CW Date/time: 28-3-2011, 2020 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Mon) //486 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 30-3-2011, 1720 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) (//4 Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 30-3-2011, 1720 UTC	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //48 Contr: (JPL-HK)
6843	M42	Mode: Baudot 100 Date/time: 24-3-2011, 1841 UTC	Russian Diplo Msg header 11100 60102 68947 24053 05009 Contr: (kroger)
6846	E07a	Mode: AM Date/time: Thu 24-3-2011, 0610 UTC	188:1-69996 Contr: (HFD)
6853.0	M08a	Mode: LSB Date/time: Wed 23-3-2011, 2200 UTC	Contr: (Pres)
6855.0	V02a	Mode: AM Date/time: Mon 7-3-2011, 0300 UTC	SSYL: 66241 .... Caught late. Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 14-3-2011, 0300 UTC	SSYL atencion: 12822 21162 25832 Good sig. Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 28-3-2011, 0300 UTC	SSYL atencion: 54361 07442 02171 Good sig. Strong sig, lousy audio. Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 28-3-2011, 0317 UTC	In progress. Very weak / fading. Contr: (DZ)
6859	M12	Mode: CW Date/time: Mon 21-3-2011, 0600 UTC	892:1 Contr: (HFD)
6859.0	M12	Mode: MCW Date/time: Mon 21-3-2011, 0600 UTC	892 892 892 000, SINPO 55545 Contr: (Danix)
6877	PSY	Mode: USB Date/time: 20-3-2011, 0906 UTC	Psy-Ops transmission in Arab, French and English by Al Contr: (AB)
6893	E07	Mode: AM Date/time: 10-3-2011, 0800 UTC	QRM Dig Station Contr: (FN)
6893	E07	Mode: AM Date/time: 17-3-2011, 0800 UTC	QRM5 dig. Sta. Contr: (FN)
6904	M12	Mode: CW Date/time: 3-3-2011, 2042 UTC	257 257 257 1 => 5f msg => Ending TTT TTT Contr: (PPA)
6904	M12	Mode: CW Date/time: Mon 28-3-2011, 1940 UTC	257:1 Contr: (HFD)
6930	S06s	Mode: AM Date/time: Tue 1-3-2011, 0715 UTC	374 Contr: (HFD)

6930	**S06s**	**Mode: AM Date/time: 29-3-2011, 0715 UTC**	**374 374 374 00000 Contr: (FN)**
6962.0	**X06**	**Mode: AM Date/time: Tue 22-3-2011, 2140 UTC**	**613245. Contr: (Pres)**
6977	**M03**	**Mode: CW Date/time: Sat 26-3-2011, 1140 UTC**	**786/00 Contr: (HFD)**
7038.7	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "D" Sevastopol Contr: (AB)**
7038.8	**MX**	**Mode: CW Date/time: 24-3-2011, 1421 UTC**	**Beacon "P" Kaliningrad Contr: (TJ)**
7038.8	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "P" Kaliningrad Contr: (TJ)**
7038.8	**MX**	**Mode: CW Date/time: 25-3-2011, 1628 UTC**	**Beacon "P" Kaliningrad Contr: (TJ)**
7038.8	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "P" Kaliningrad Contr: (AB)**
7039	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "C" Moscow Contr: (AB)**
7039.2	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "F" Vladivostok Contr: (EW)**
7039.3	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "K" Petropavlovsk Contr: (EW)**
7039.4	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "M" Magadan Contr: (EW)**
7039.7	**MX**	**Mode: CW Date/time: 21-3-2011, 2128 UTC**	**Beacon "D" Sevastopol Contr: (DPM)**
7120	**S06s**	**Mode: AM Date/time: 2-3-2011, 1200 UTC**	**481 209 5 54019 Contr: (FN)**
7120.0	**S06**	**Mode: USB Date/time: Wed 9-3-2011, 1200 UTC**	**481 209 5 54019 16494 65166 41937 57460 209 5 00000 Contr: (Spec-G)**
7242	**S06s**	**Mode: AM Date/time: 1-3-2011, 1510 UTC**	**537 819 6 15357 Contr: (FN)**
7242	**S06s**	**Mode: AM Date/time: Tue 15-3-2011, 1510 UTC**	**537 Contr: (HFD)**
7242.0	**S06**	**Mode: USB Date/time: Tue 15-3-2011, 1510 UTC**	**537 819 6 15357 01898 73224 42277 76294 37536 819 6 00000 Contr: (Spec-G)**
7317	**G11**	**Mode: USB Date/time: 17-3-2011, 0940 UTC**	**275/00 Contr: (HS2)**

7317	**G11**	**Mode: USB Date/time: Mon 28-3-2011, 0940 UTC**	**275/00 Contr: (HFD)**
7320	**S06s**	**Mode: AM Date/time: 8-3-2011, 0800 UTC**	**418 930 5 94870 54667 54363 71883 06744 930 5 00000 Contr: (HS2)**
7320	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0800 UTC**	**418:0 Contr: (HFD)**
7335	**S06s**	**Mode: AM Date/time: 9-3-2011, 0830 UTC**	**745 821 6 71212 Contr: (FN)**
7385	**S06s**	**Mode: AM Date/time: 4-3-2011, 1240 UTC**	**314 902 5 25269 Contr: (FN)**
7385.0	**S06s**	**Mode: AM Date/time: Wed 9-3-2011, 0012 UTC**	**Some letters again before message at 12:37. At 12:40 message. Contr: (stefan)**
7385.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1239 UTC**	**Weak signal. 314 00000 Null message. End 1243z. Contr: (Spec-G)**
7462.0	**XPA**	**Mode: USB Date/time: Tue 29-3-2011, 1940 UTC**	**Weak signal. QRM from nearby station. End 1944z. Contr: (Spec-G)**
7462.0	**XPA**	**Mode: USB Date/time: Thu 31-3-2011, 1940 UTC**	**Weak signal. Heavy QRM from Radio Tirana. End 1944z. Contr: (Spec-G)**
7480	**M42**	**Mode: Baudot 50/500 Date/time: 1-3-2011, 0948 UTC**	**Russian Gov/Intel. Contr: (TJ)**
7493	**E07**	**Mode: AM Date/time: 10-3-2011, 0820 UTC**	**841 841 841 000 Contr: (FN)**
7493	**E07**	**Mode: AM Date/time: 17-3-2011, 0820 UTC**	**841 841 841 000 Contr: (FN)**
7516	**E07**	**Mode: AM Date/time: Thu 17-3-2011, 2110 UTC**	**584:0 Contr: (HFD)**
7516.0	**E07**	**Mode: USB Date/time: Thu 31-3-2011, 2110 UTC**	**Weak signal, too difficult to read. 584 End 2122z. Contr: (Spec-G)**
7520.0	**V02a**	**Mode: LSB Date/time: Sat 12-3-2011, 0200 UTC**	**SSYL: .... VG sig. Caught late. Contr: (westli)**
7584	**M12**	**Mode: CW Date/time: Wed 23-3-2011, 0520 UTC**	**751:1 Contr: (HFD)**
7602	**M89**	**Mode: CW Date/time: 7-3-2011, 1702 UTC**	**V DKG6 (x3) DE 3A7D (x2) (Cont'd) Contr: (JPL-HK)**
7602	**M89**	**Mode: CW Date/time: 10-3-2011, 1630 UTC**	**v DKG6 DKG6 DKG6 de 3A7D 3A7D 3A7D Contr: (FN)**
7602	**M89**	**Mode: CW Date/time: 13-3-2011, 2024 UTC**	**Chinese military "V DKG6 DKG6 DKG6 DE 3A7D 3A7D" Contr: (PPA)**

7602	**M89**	**Mode: CW Date/time: 18-3-2011, 2114 UTC**	**V DKG6 DE 3A7D (x2) (Cont'd) Contr: (JPL-AFS)**
7602	**M89**	**Mode: CW Date/time: 21-3-2011, 1909 UTC**	**V DKG6 (x3) DE 3A7D (x2) (Mon) Contr: (JPL-AFS)**
7605	**S06s**	**Mode: AM Date/time: 1-3-2011, 0820 UTC**	**471 802 5 20869 Contr: (FN)**
7608	**VC01**	**Mode: SSB Date/time: 27-4-2010, 1220 UTC**	**Chinese Robot Contr: (Anon)**
7620	**S06s**	**Mode: AM Date/time: 2-3-2011, 1230 UTC**	**967 843 5 18375 Contr: (FN)**
7630	**M42**	**Mode: F1B/500 Date/time: 21-3-2011, 0758 UTC**	**Russian Gov/Intel. ITU says RDP5 in Kirov area Contr: (TJ)**
7681	**M42**	**Mode: Baudot 200/500R Date/time: 9-3-2011, 0605 UTC**	**Russian Gov/Intel. Multi figure groups like 0709030639 Contr: (PPA)**
7697.0	**E07**	**Mode: AM Date/time: Sun 20-3-2011, 0018 UTC**	**exactly 3 min on late in prediction table Contr: (stefan)**
7697.0	**E07**	**Mode: AM Date/time: Wed 30-3-2011, 1840 UTC**	**906 906 906 1. With msg. Strong, QSB3. End 000 000 1846z. Contr: (SWL1409)**
7726	**VC01**	**Mode: SSB Date/time: 24-12-2008, 1302 UTC**	**Chinese Robot Contr: (Anon)**
7756	**VC01**	**Mode: LSB Date/time: 1-3-2011, 1409 UTC**	**Chinese Robot Contr: (RW)**
7756	**VC01**	**Mode: SSB Date/time: 1-3-2011, 1432 UTC**	**Chinese Robot Contr: (Anon)**
7756	**VC01**	**Mode: USB Date/time: 1-3-2011, 1907 UTC**	**Chinese Robot. Fast Chinese female voice reading figur Contr: (PPA)**
7795	**S06s**	**Mode: AM Date/time: Fri 11-3-2011, 0700 UTC**	**196 Contr: (HFD)**
7833	**M89**	**Mode: CW Date/time: 3-3-2011, 1101 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) Contr: (JPL-HK)**
7833	**M89**	**Mode: CW Date/time: 18-3-2011, 0027 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) //5310 kHz Contr: (JPL-HK)**
7833	**M89**	**Mode: CW Date/time: 25-3-2011, 2350 UTC**	**V QPZM (x3) DE WOXN (x2) (Cont'd) (Fri) Contr: (JPL-HK)**
7873	**E07**	**Mode: AM Date/time: Mon 14-3-2011, 2020 UTC**	**288:0 Contr: (HFD)**
7873.0	**E07**	**Mode: USB Date/time: Mon 28-3-2011, 2020 UTC**	**Weak signal. 288 000 Null Message. End 2022z. Contr: (Spec-G)**

7890.0	**SK01**	**Mode: RFDT Date/time: Thu 24-3-2011, 1000 UTC**	**This sked should have been on 8186m Contr: (MS)**
7890.0	**SK01**	**Mode: RFDT Date/time: Thu 24-3-2011, 1030 UTC**	**Contr: (MS)**
7931	**M12**	**Mode: CW Date/time: Mon 28-3-2011, 1920 UTC**	**257:1 Contr: (HFD)**
7988	**X06**	**Mode: AM Date/time: 10-3-2011, 0852 UTC**	**Mazielka. Sequence: 561243 Contr: (HS2)**
7994	**M21**	**Mode: CW Date/time: 1-3-2011, 0835 UTC**	**Russian air defence "119729t8__1234" Contr: (TJ)**
7994	**M21**	**Mode: CW Date/time: 13-3-2011, 1150 UTC**	**Russian Air Defense. =11358213t88121= =99?1622?4?????= Contr: (Joe)**
7994	**M21**	**Mode: CW Date/time: 13-3-2011, 1322 UTC**	**Russian Air defense. "=99?1622?4?????=" (ie in utc+3h Contr: (TJ)**
8009.0	**M08a**	**Mode: CW Date/time: Wed 2-3-2011, 2300 UTC**	**5f cut nums: 86011 41362 88131 Very weak sig. missed lead-off ID. Contr: (westli)**
8009.0	**M08a**	**Mode: CW Date/time: Mon 21-3-2011, 2300 UTC**	**5f cut nums: 55742 14682 34.61 Very weak sig. Contr: (westli)**
8009.0	**M08a**	**Mode: CW Date/time: Wed 23-3-2011, 2300 UTC**	**5f cut nums: .... Weak sig. Up late IP. Contr: (westli)**
8010.0	**M08a**	**Mode: LSB Date/time: Wed 23-3-2011, 2200 UTC**	**Contr: (Pres)**
8040	**S06s**	**Mode: AM Date/time: Mon 28-3-2011, 1600 UTC**	**176-948/5=47732 Contr: (HFD)**
8040.0	**S06s**	**Mode: AM Date/time: Mon 21-3-2011, 0016 UTC**	**ID: 176/ 948/ grps: 5/ 47732 42554 25407 88664 14515/ Contr: (why-SVK)**
8040.0	**S06s**	**Mode: USB Date/time: Mon 28-3-2011, 1600 UTC**	**Fair signal, QRM later in message. 176 948 5 47732 42554 25407 88664 14515 948 5 Contr: (Spec-G)**
8047	**M12**	**Mode: CW Date/time: Wed 2-3-2011, 1800 UTC**	**463:1 Contr: (HFD)**
8062	**XPA**	**Mode: AM Date/time: Tue 15-3-2011, 1920 UTC**	**msg Contr: (HFD)**
8062.0	**XPA**	**Mode: USB Date/time: Tue 29-3-2011, 1920 UTC**	**Strong clear signal. End 1924z. Contr: (Spec-G)**
8062.0	**XPA**	**Mode: USB Date/time: Thu 31-3-2011, 1920 UTC**	**Fair signal. End 1924z. Contr: (Spec-G)**
8096.0	**M08a**	**Mode: CW Date/time: Wed 2-3-2011, 1300 UTC**	**5f cut nums: 08301 30232 32432 missed lead-off ID. Contr: (westli)**

8096.0	**M08a**	**Mode: CW Date/time: Wed 2-3-2011, 1400 UTC**	**5f cut nums: 08301 30232 32432 Very weak sig. missed lead-off ID. Contr: (westli)**
8096.0	**M08a**	**Mode: CW Date/time: Fri 4-3-2011, 1300 UTC**	**5f cut nums: 02172 .... Up late IP. Stopped xmtg around 1301z. Contr: (westli)**
8096.0	**M08a**	**Mode: MCW Date/time: Thu 24-3-2011, 1915 UTC**	**Contr: (Pres)**
8097.0	**M08a**	**Mode: MCW Date/time: Wed 30-3-2011, 1900 UTC**	**(Too weak for copy) Contr: (MS)**
8104.75	**M42**	**Mode: RUS-ARQ 100/1000 Date/time: 17-3-2011, 0805 UTC**	**Russian Gov/Intel, Volgograd area Contr: (TJ)**
8105	**S06s**	**Mode: AM Date/time: 2-3-2011, 1240 UTC**	**967 843 5 18375 Contr: (FN)**
8105.0	**S06**	**Mode: USB Date/time: Wed 9-3-2011, 1240 UTC**	**967 843 5 18375 68045 74555 56358 56412 843 5 00000 Contr: (Spec-G)**
8105.0	**S06S**	**Mode: USB Date/time: Wed 23-3-2011, 0012 UTC**	**Strong Contr: (stefan)**
8105.0	**S06s**	**Mode: USB Date/time: Wed 30-3-2011, 1240 UTC**	**Weak signal. 967 00000 Null message. End 1243z. Contr: (Spec-G)**
8135.0	**M08a**	**Mode: CW Date/time: Thu 17-3-2011, 2300 UTC**	**74522 72541 66262 Contr: (MS)**
8135.0	**M08a**	**Mode: CW Date/time: Thu 17-3-2011, 2300 UTC**	**5f cut nums: 74522 72841 66262 Contr:**
8135.0	**M08a**	**Mode: CW Date/time: Tue 29-3-2011, 2300 UTC**	**86442 40531 88202 Contr: (MS)**
8135.0	**M8**	**Mode: CW Date/time: Tue 1-3-2011, 2322 UTC**	**Caught end of message Contr: IEars)**
8167.0	**XPA**	**Mode: USB Date/time: Tue 15-3-2011, 1420 UTC**	**Message(s). Contr: (Danix)**
8186.0	**SK01**	**Mode: RFDT Date/time: Tue 22-3-2011, 1000 UTC**	**Contr: (MS)**
8186.0	**SK01**	**Mode: RFDT Date/time: Thu 24-3-2011, 1010 UTC**	**Station moved to this, the correct frequency Contr: (MS)**
8186.0	**V02a**	**Mode: AM Date/time: Sat 26-3-2011, 0800 UTC**	**VG sig. Caught late. Contr: (westli)**
8270	**S06s**	**Mode: AM Date/time: 29-3-2011, 1910 UTC**	**371 371 371 00000 Contr: (FN)**
8312.5	**XSL**	**Mode: PSK Date/time: 14-3-2011, 2045 UTC**	**Japan Maritime Self-Defense Force Contr: (PPA)**

8493.0	**MX**	**Mode: CW Date/time: Wed 2-3-2011, 1819 UTC**	**Cluster beacon "D". Extremely weak. Contr: (SWL1409)**
8493.0	**MXI**	**Mode: CW Date/time: Fri 11-3-2011, 2008 UTC**	**Cluster beacon "C". Weak. Contr: (SWL1409)**
8494.7	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "D" Sevastopol Contr: (TJ)**
8494.9	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "S" Sevoromorsk Contr: (TJ)**
8495.4	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "M" Magadan Contr: (EW)**
8495.4	**MX**	**Mode: CW Date/time: 28-3-2011, 1105 UTC**	**Beacon "M" Magadan Contr: (EW)**
8588.0	**XSL**	**Mode: PSK Date/time: Wed 16-3-2011, 2048 UTC**	**//8704, not very strong, but audible, date correction Contr: (Danix)**
8588.0	**XSL**	**Mode: PSK Date/time: Sun 20-3-2011, 1700 UTC**	**Contr: (JTV)**
8650	**S06s**	**Mode: AM Date/time: 4-3-2011, 1230 UTC**	**314 902 5 25269 Contr: (FN)**
8650	**S06s**	**Mode: AM Date/time: 17-3-2011, 1230 UTC**	**314 958 6 24351 04221 14022 84187 65862 29148 958 6 00 Contr: (HS2)**
8650.0	**S06s**	**Mode: AM Date/time: Wed 9-3-2011, 0012 UTC**	**Predicted must have started on 12:30 UTC but on 12.20 tuning tests and voice Contr: (stefan)**
8650.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1230 UTC**	**Weak signal. 314 00000 Null message. End 1234z. Contr: (Spec-G)**
8695	**S06s**	**Mode: AM Date/time: Fri 11-3-2011, 0710 UTC**	**196 Contr: (HFD)**
8704.0	**XSL**	**Mode: PSK Date/time: Wed 16-3-2011, 2049 UTC**	**//8588, weaker than 8588 Contr: (Danix)**
8800	**E07**	**Mode: AM Date/time: 9-3-2011, 0930 UTC**	**270/00 Contr: (FN)**
8800	**E11**	**Mode: USB Date/time: 17-3-2011, 0930 UTC**	**270/00 Contr: (HS2)**
8970.5	**M51**	**Mode: CW Date/time: 2-3-2011, 0051 UTC**	**French Mil, CW training. Contr: (Jon-FL)**
9040.0	**V02a**	**Mode: AM Date/time: Wed 16-3-2011, 0900 UTC**	**SSYL atencion: .... Very weak sig. Contr: (westli)**
9040.0	**V02a**	**Mode: AM Date/time: Wed 23-3-2011, 0900 UTC**	**SSYL atencion: 61581 12642 68551 Contr: (westli)**

9063.0	**M08a**	**Mode: MCW Date/time: Wed 2-3-2011, 0800 UTC**	**5f cut nums: 60401 81272 28521 VG sig. Contr: (westli)**
9063.0	**M08a**	**Mode: MCW Date/time: Wed 9-3-2011, 0800 UTC**	**5f cut nums: 34522 53432 87481 Contr: (westli)**
9063.0	**M08a**	**Mode: MCW Date/time: Fri 11-3-2011, 0800 UTC**	**11/Mar 0800z 9063kHz MCW M8a 5f cut nums: 98091 37502 47502 Contr: (westli)**
9063.0	**M08a**	**Mode: MCW Date/time: Wed 16-3-2011, 0800 UTC**	**5f cut nums: 00721 36251 86861 VG sig. Contr: (westli)**
9063.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 0800 UTC**	**5f cut nums: 36082 38201 27452 VG sig. Contr:**
9063.0	**M08a**	**Mode: MCW Date/time: Wed 30-3-2011, 0800 UTC**	**5f cut nums: 20181 30182 72141 VG sig. Contr: (westli)**
9068	**E07**	**Mode: AM Date/time: Wed 2-3-2011, 1820 UTC**	**906:0 Contr: (HFD)**
9068	**E07**	**Mode: AM Date/time: 9-3-2011, 1820 UTC**	**906 906 906 000 Contr: (FN)**
9068	**E07**	**Mode: AM Date/time: 13-3-2011, 1820 UTC**	**908 908 908 000 Contr: (FN)**
9068	**E07a**	**Mode: AM Date/time: 2-3-2011, 1820 UTC**	**906 906 906 000 Contr: (FN)**
9068.0	**E07**	**Mode: AM Date/time: Wed 9-3-2011, 1920 UTC**	**Null msg, QRMed by strong OTH: http://tinyurl.com/5roj7h9 Contr: (Danix)**
9068.0	**E07**	**Mode: AM Date/time: Sun 20-3-2011, 0018 UTC**	**exactly 3 min on late in prediction table Contr: (stefan)**
9112.0	**M08a**	**Mode: MCW Date/time: Sun 6-3-2011, 1000 UTC**	**5f cut nums: 71041 63432 53181 Weak sig. Contr: (westli)**
9112.0	**M08a**	**Mode: MCW Date/time: Mon 7-3-2011, 1000 UTC**	**5f cut nums: 54361 50681 58702 Caught late. missed lead ID. Contr: (westli)**
9112.0	**M08a**	**Mode: MCW Date/time: Fri 11-3-2011, 1000 UTC**	**5f cut nums: 98091 70662 15471 Good sig. note shared 1st ID with above skeds. Contr: (westli)**
9112.0	**M08a**	**Mode: MCW Date/time: Sun 13-3-2011, 1000 UTC**	**5f cut nums: 02052 45362 55851 Good sig. Contr: (westli)**
9112.0	**M08a**	**Mode: MCW Date/time: Mon 14-3-2011, 1000 UTC**	**5f cut nums: 54682 43051 17172 VG sig. Contr: (westli)**
9112.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 1000 UTC**	**51641 51141 75501 Contr: (MS)**
9112.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 1000 UTC**	**5f cut nums: 51641 51141 75501 VG sig. Contr:**

9112.0	**M08a**	**Mode: MCW Date/time: Fri 25-3-2011, 1000 UTC**	**08871 41151 42582 Contr: (MS)**
9137	**M42**	**Mode: CROWD-36 Date/time: 9-3-2011, 2019 UTC**	**Russian Gov. "oywebgtkf dz..." Contr: (YM)**
9145	**M32**	**Mode: CW Date/time: 17-3-2011, 0802 UTC**	**RIW: RN Moskau RUS msg to RMEG 865 31 17 0949 865 - 17 Contr: (WP3)**
9145	**S06s**	**Mode: AM Date/time: Mon 14-3-2011, 1200 UTC**	**831 Contr: (HFD)**
9145.0	**S06s**	**Mode: USB Date/time: Mon 28-3-2011, 1200 UTC**	**Fair Signal. 831 407 5 39884 32781 28301 45273 44070 407 5 00000 End 1206z Contr: (Spec-G)**
9150	**M03**	**Mode: CW Date/time: Tue 15-3-2011, 1115 UTC**	**272/31 Contr: (HFD)**
9153	**V26**	**Mode: USB Date/time: 29-3-2011, 1015 UTC**	**Chinese lady. 3LGs Contr: (EW)**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 2-3-2011, 0700 UTC**	**5f cut nums: 60401 81272 28521 VG sig. Contr: (westli)**
9153.0	**M08a**	**Mode: MCW Date/time: Fri 4-3-2011, 0700 UTC**	**5f cut nums: 55731 65801 64861 Contr: (westli)**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 9-3-2011, 0700 UTC**	**5f cut nums: 36102 65772 27202 Missed lead group. Contr: (westli)**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 16-3-2011, 0700 UTC**	**5f cut nums: 00721 36251 86861 VG sig. Contr: (westli)**
9153.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 0700 UTC**	**5f cut nums: 36082 38201 27452 VG sig. Contr:**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 23-3-2011, 0700 UTC**	**01772 48672 52431 Contr: (MS)**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 23-3-2011, 0700 UTC**	**5f cut nums: 01772 48672 52431 VG sig. Contr: (westli)**
9153.0	**M08a**	**Mode: MCW Date/time: Wed 23-3-2011, 0800 UTC**	**5f cut nums: 01772 48672 52431 VG sig. Contr: (westli)**
9153.0	**V26**	**Mode: USB Date/time: Sat 19-3-2011, 1000 UTC**	**CCYL. Mostly Ch Mandarin, missed preamble. 3-fig groups. Contr: (westli)**
9153.0	**V26**	**Mode: USB Date/time: Sun 20-3-2011, 0939 UTC**	**CCYL. Mostly Ch Mandarin 3-fig groups. Missed preamble. Very weak. Contr: (westli)**
9153.0	**V26**	**Mode: USB Date/time: Sun 20-3-2011, 1340 UTC**	**CCYL. Mostly Ch Mandarin 3-fig groups. Missed preamble Contr: (westli)**
9153.0	**V26**	**Mode: USB Date/time: Mon 21-3-2011, 0937 UTC**	**CCYL. Mostly Ch Mandarin 3-fig groups. Started without preamble. Weak. Contr: (westli)**

9153.0	**V26**	**Mode: USB Date/time: Sat 26-3-2011, 0939 UTC**	**Caught in progress. Chinese 3 fig groups. Fair signal. Contr: (Spec-HK)**
9153.0	**V26**	**Mode: USB Date/time: Sun 27-3-2011, 0949 UTC**	**Very weak signal, hard to read. Chinese 3 fig groups. Long broadcast Contr: (Spec-HK)**
9153.0	**V26**	**Mode: USB Date/time: Tue 29-3-2011, 0958 UTC**	**Caught in progress. Chinese 3 fig groups. Fair signal. Contr: (Spec-HK)**
9153.0	**V26**	**Mode: USB Date/time: Wed 30-3-2011, 0930 UTC**	**Weak signal. Chinese 3 fig groups. Contr: (Spec-HK)**
9153.0	**V26**	**Mode: USB Date/time: Wed 30-3-2011, 0930 UTC**	**in progress YL/CC w/ 3lgs Contr: (SD)**
9153.0	**V26**	**Mode: USB Date/time: Wed 30-3-2011, 0952 UTC**	**RS=57, in progress Contr: (TI)**
9165	**M12**	**Mode: CW Date/time: 29-3-2011, 1900 UTC**	**123 123 123 1 => 5F msg (29 March)(PPA) Contr: (PPA)**
9167.0	**XPA**	**Mode: USB Date/time: Tue 8-3-2011, 1400 UTC**	**Null message Contr: (Danix)**
9176	**M12**	**Mode: CW Date/time: Mon 28-3-2011, 1900 UTC**	**257:1 Contr: (HFD)**
9184	**M12**	**Mode: CW Date/time: Mon 21-3-2011, 0540 UTC**	**751:1 Contr: (HFD)**
9184	**M12**	**Mode: CW Date/time: Wed 23-3-2011, 0540 UTC**	**751:1 Contr: (HFD)**
9220	**S06s**	**Mode: AM Date/time: 29-3-2011, 1900 UTC**	**371 371 371 00000 Contr: (FN)**
9240.0	**V02a**	**Mode: AM Date/time: Wed 9-3-2011, 1000 UTC**	**SSYL atencion: 12291 .... Very weak sig. Contr: (westli)**
9240.0	**V02a**	**Mode: AM Date/time: Wed 16-3-2011, 1000 UTC**	**SSYL atencion: 30151 31731 78561 Weak sig. Contr: (westli)**
9240.0	**V02a**	**Mode: AM Date/time: Wed 23-3-2011, 1000 UTC**	**A 61581 12642 61551 (YL/SS) Contr: (MS)**
9240.0	**V02a**	**Mode: AM Date/time: Wed 30-3-2011, 1000 UTC**	**Contr: (Pres)**
9255	**S06s**	**Mode: AM Date/time: 1-3-2011, 0830 UTC**	**471 802 5 20869 Contr: (FN)**
9255.0	**S06s**	**Mode: USB Date/time: Wed 30-3-2011, 0930 UTC**	**Fair signal. 471 00000 Null Message. Contr: (Spec-G)**
9273	**E07**	**Mode: AM Date/time: Mon 14-3-2011, 2000 UTC**	**288:0 Contr: (HFD)**

9273	**E07**	**Mode: AM Date/time: 30-3-2011, 2000 UTC**	**288 288 288 000 Contr: (FN)**
9273	**E07**	**Mode: AM Date/time: 30-3-2011, 2020 UTC**	**288 288 288 000 Contr: (FN)**
9273.0	**E07**	**Mode: USB Date/time: Mon 28-3-2011, 2000 UTC**	**Weak signal. 288 000 Null Message. End 2002z. Contr: (Spec-G)**
9320	**X06b**	**Mode: AM Date/time: 11-3-2011, 0827 UTC**	**Mazielka. 2-tone sequence: 2--4-- Contr: (HS2)**
9324	**M12**	**Mode: CW Date/time: 7-3-2011, 1340 UTC**	**543 1 926 189 27028 Contr: (FN)**
9324	**M12**	**Mode: CW Date/time: Mon 14-3-2011, 1340 UTC**	**543:1 Contr: (HFD)**
9338	**M12**	**Mode: CW Date/time: Fri 11-3-2011, 0700 UTC**	**338 Contr: (HFD)**
9362.0	**XPA**	**Mode: USB Date/time: Tue 29-3-2011, 1900 UTC**	**Fair Signal. QRM from nearby station. End 1904z. Contr: (Spec-G)**
9362.0	**XPA**	**Mode: USB Date/time: Thu 31-3-2011, 1900 UTC**	**Fair signal. Some QRM. End 1904z. Contr: (Spec-G)**
9371	**E11**	**Mode: USB Date/time: Thu 17-3-2011, 1730 UTC**	**416/00 Contr: (HFD)**
9399	**E11**	**Mode: USB Date/time: Mon 28-3-2011, 0900 UTC**	**534/00 Contr: (HFD)**
9450	**X06**	**Mode: AM Date/time: 3-3-2011, 0905 UTC**	**Mazielka. Sequence: 165423 Contr: (HS2)**
9450	**X06b**	**Mode: AM Date/time: 21-3-2011, 0757 UTC**	**Mazielka. Sequence: 1---6- Contr: (HS2)**
9480	**S06s**	**Mode: AM Date/time: 2-3-2011, 0840 UTC**	**328 976 5 53989 Contr: (FN)**
9505.0	**M08a**	**Mode: CW Date/time: Fri 4-3-2011, 1300 UTC**	**5f cut nums: .... Up late IP. Stopped xmtg about 1302z. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Fri 4-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 03-1. Weak. Very poor readability. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Tue 8-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 03-1. Weak. Poor readability. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Tue 8-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 03-1. Weak. Poor readability. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Mon 14-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 3-2. Good sig. Contr: (westli)**

9505.0	**V13**	**Mode: USB Date/time: Mon 14-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 3-2. Good sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sat 19-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 3-3. Good sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sat 19-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 3-3. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sun 20-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 1-3-3. VG sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sun 20-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 1-3-3. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Mon 21-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 1-3-3. Good sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Mon 21-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 1-3-3. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Fri 25-3-2011, 1212 UTC**	**Caught in progress, Chinese numbers. Contr: (Spec-HK)**
9505.0	**V13**	**Mode: USB Date/time: Sat 26-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 03-4. Good sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sat 26-3-2011, 1224 UTC**	**Caught in progress. Chinese 4 fig groups. Weak signal with heavy QRN. End 1232z Contr: (Spec-HK)**
9505.0	**V13**	**Mode: USB Date/time: Sat 26-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 03-4. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Sat 26-3-2011, 1308 UTC**	**Caught in progress. Chinese 4 fig groups. Poor signal with very heavy QRN. Contr: (Spec-HK)**
9505.0	**V13**	**Mode: USB Date/time: Mon 28-3-2011, 1200 UTC**	**CCYL New Star #4. Msg set: 03-4. Good sig. Contr: (westli)**
9505.0	**V13**	**Mode: USB Date/time: Mon 28-3-2011, 1300 UTC**	**CCYL New Star #4. Msg set: 03-4. Good sig. Contr: (westli)**
9840	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0810 UTC**	**418:0 Contr: (HFD)**
9923	**E07**	**Mode: AM Date/time: Wed 2-3-2011, 1800 UTC**	**906:0 Contr: (HFD)**
9923	**E07**	**Mode: AM Date/time: 9-3-2011, 1800 UTC**	**906 906 906 000 Contr: (FN)**
9923	**E07**	**Mode: AM Date/time: 13-3-2011, 1800 UTC**	**908 908 908 000 Contr: (FN)**
9923	**E07a**	**Mode: AM Date/time: 2-3-2011, 1800 UTC**	**906 906 906 000 Contr: (FN)**

9923.0	**E07**	**Mode: AM Date/time: Sun 20-3-2011, 0018 UTC**	**exactly 3 min on late in prediction table - barely audible Contr: (stefan)**
9960	**S11a**	**Mode: USB Date/time: 8-3-2011, 1019 UTC**	**426/00 Contr: (HS2)**
9960	**S11a**	**Mode: USB Date/time: 18-3-2011, 1020 UTC**	**426/00 Contr: (HS2)**
10199.5	**M42**	**Mode: CROWD36 Date/time: 21-3-2011, 1055 UTC**	**Russian Gov. All Encrypted Text. Contr: (PPA)**
10221	**E11**	**Mode: USB Date/time: 8-3-2011, 0710 UTC**	**633/00 Contr: (HS2)**
10221	**E11**	**Mode: USB Date/time: 18-3-2011, 0710 UTC**	**633/00 Contr: (HS2)**
10221	**E11**	**Mode: USB Date/time: Fri 25-3-2011, 0710 UTC**	**633/00 Contr: (HFD)**
10255	**VTN**	**Mode: USB Date/time: 7-3-2011, 1558 UTC**	**YL reading numbers in Vietnamese Contr: (HS2)**
10255	**VTN**	**Mode: USB Date/time: 23-3-2011, 1609 UTC**	**YL with "Sung hai vos, hai dang, num num, num bam" cal Contr: (HS)**
10255.0	**VTN**	**Mode: USB Date/time: Sun 13-3-2011, 1559 UTC**	**Numbers in Vietnamese. 5f, female voice Contr: (PanDR)**
10255.0	**VTN**	**Mode: USB Date/time: Tue 15-3-2011, 1605 UTC**	**Caught in progress. Contr: (SWL1409)**
10255.0	**VTN**	**Mode: USB Date/time: Wed 16-3-2011, 1605 UTC**	**i/p. Beggining of the 2nd msg? Contr: (SWL1409)**
10316	**M21**	**Mode: CW Date/time: 17-3-2011, 1536 UTC**	**Russian Air Defense: =99?1836?9????? =99?1838?9????? = Contr: (WP3)**
10405	**---**	**Mode: USB Date/time: 28-3-2011, 1200 UTC**	**Psy-Ops against Libyan forces Contr: (FC)**
10405	**---**	**Mode: USB Date/time: 28-3-2011, 1627 UTC**	**Psy-Ops against Libyan forces Contr: (GN2)**
10405	**---**	**Mode: USB Date/time: 29-3-2011, 0822 UTC**	**Psy-Ops to Libya Contr: (DF5JL)**
10405	**---**	**Mode: USB Date/time: 30-3-2011, 0754 UTC**	**Psy-Ops against Libya in Arab and English. Contr: (AB)**
10405	**PSY**	**Mode: USB Date/time: 27-3-2011, 1542 UTC**	**Psy-Ops transmission in Arab and English by Allied For Contr: (AB)**
10420	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0810 UTC**	**352:0 Contr: (HFD)**

10424	**M12**	**Mode: CW Date/time: 7-3-2011, 1320 UTC**	**543 1 926 189 27028 Contr: (FN)**
10424	**M12**	**Mode: CW Date/time: Mon 14-3-2011, 1320 UTC**	**543:1 Contr: (HFD)**
10431	**M08a**	**Mode: CW Date/time: 6-3-2011, 0932 UTC**	**5LGs being sent. Message ends with + + + then sends WD Contr: (EW)**
10432.0	**M08a**	**Mode: MCW Date/time: Sun 6-3-2011, 0900 UTC**	**5f cut nums: 71041 63432 53181 Good sig. Contr: (westli)**
10432.0	**M08a**	**Mode: MCW Date/time: Fri 11-3-2011, 0900 UTC**	**5f cut nums: 98091 .... Good sig. Up late IP. Contr: (westli)**
10432.0	**M08a**	**Mode: MCW Date/time: Mon 14-3-2011, 0900 UTC**	**5f cut nums: 54682 43051 17172 Weak sig. Contr: (westli)**
10432.0	**M08a**	**Mode: MCW Date/time: Fri 18-3-2011, 0900 UTC**	**5f cut nums: 51641 51141 75501 VG sig. Contr:**
10432.0	**M08a**	**Mode: MCW Date/time: Mon 21-3-2011, 0900 UTC**	**5f cut nums: 58201 50682 81371 Good sig. Contr: (westli)**
10432.0	**M08a**	**Mode: MCW Date/time: Fri 25-3-2011, 0900 UTC**	**08871 41151 42582 Contr: (MS)**
10432.0	**M08a**	**Mode: MCW Date/time: Sun 27-3-2011, 0900 UTC**	**72742 07222 08561 Good sig. Contr: (westli)**
10432.0	**M08a**	**Mode: MCW Date/time: Mon 28-3-2011, 0900 UTC**	**5f cut nums: 66311 27731 20571 Weak sig. Contr: (westli)**
10445.0	**M08a**	**Mode: CW Date/time: Thu 17-3-2011, 0300 UTC**	**5f cut nums: .... Up late IP. Contr:**
10445.0	**M08a**	**Mode: CW Date/time: Thu 24-3-2011, 0300 UTC**	**5f cut nums: 32852 47872 81061 Contr: (westli)**
10508	**VC01**	**Mode: SSB Date/time: 12-3-2009, 0000 UTC**	**Chinese Robot Contr: (Anon)**
10638	**M12**	**Mode: CW Date/time: Fri 11-3-2011, 0720 UTC**	**338 Contr: (HFD)**
10690	**E11**	**Mode: USB Date/time: Mon 14-3-2011, 0830 UTC**	**649/00 Contr: (HFD)**
10714.0	**M08a**	**Mode: CW Date/time: Wed 23-3-2011, 1300 UTC**	**26742 10551 73041 Contr: (MS)**
10800	**E11**	**Mode: USB Date/time: 17-3-2011, 0645 UTC**	**517/00 Contr: (HS2)**
10800	**E11**	**Mode: USB Date/time: Tue 29-3-2011, 0645 UTC**	**517/00 Contr: (HFD)**

10835	**S06s**	**Mode: AM Date/time: 9-3-2011, 1000 UTC**	**153 429 6 99578 Contr: (FN)**
10857.0	**M08a**	**Mode: CW Date/time: Wed 9-3-2011, 1400 UTC**	**5f cut nums: 86652 83101 61072 Contr: (westli)**
10857.0	**M08a**	**Mode: CW Date/time: Wed 16-3-2011, 1400 UTC**	**5f cut nums: 62872 40722 39341 Very weak sig. Contr: (westli)**
10857.0	**M08a**	**Mode: CW Date/time: Wed 23-3-2011, 1400 UTC**	**5f cut nums: 26742 10551 73041 Good sig. Contr: (westli)**
10857.0	**M08a**	**Mode: CW Date/time: Wed 23-3-2011, 1400 UTC**	**26742 10551 73041 Contr: (MS)**
10871.7	**MX**	**Mode: CW Date/time: 7-3-2011, 0651 UTC**	**Beacon D: Sevastopol Contr: (VL)**
10871.8	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "P" Kaliningrad Contr: (AB)**
10871.9	**MX**	**Mode: CW Date/time: 7-3-2011, 0650 UTC**	**Beacon S: Severomorsk Contr: (VL)**
10871.9	**MX**	**Mode: CW Date/time: 27-3-2011, 1553 UTC**	**Beacon "S" Sevoromorsk Contr: (AB)**
10871.9	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "S" Sevoromorsk Contr: (AB)**
10871.9	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "S" Contr: (AB)**
10872	**MX**	**Mode: CW Date/time: 7-3-2011, 0649 UTC**	**Beacon C: Moscow Contr: (VL)**
10872	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "C" Moscow Contr: (AB)**
10872	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "C" Contr: (AB)**
10872.1	**MX**	**Mode: CW Date/time: 27-3-2011, 1835 UTC**	**Beacon "A" Astrakhan Contr: (AB)**
10872.1	**MX**	**Mode: CW Date/time: 27-3-2011, 1844 UTC**	**Beacon "A" Astrakhan Contr: (TJ)**
10872.2	**MX**	**Mode: CW Date/time: 4-3-2011, 2146 UTC**	**Beacon "F" Vladivostok Contr: (norave)**
10872.2	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "F" Vladivostok Contr: (EW)**
10872.2	**MX**	**Mode: CW Date/time: 27-3-2011, 1745 UTC**	**Beacon "F" Vladivostok Contr: (AB)**

10872.2	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "F" Vladivostok Contr: (EW)**
10872.2	**MX**	**Mode: CW Date/time: 30-3-2011, 1845 UTC**	**Beacon "F" Vladivostok Contr: (PPA)**
10872.3	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "K" Petropavlovsk Contr: (EW)**
10872.3	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "K" Petropavlovsk Contr: (EW)**
10872.4	**MX**	**Mode: CW Date/time: 27-3-2011, 1553 UTC**	**Beacon "M" Magadan Contr: (AB)**
10872.4	**MX**	**Mode: CW Date/time: 28-3-2011, 1045 UTC**	**Beacon "M" Magadan Contr: (EW)**
10872.4	**MX**	**Mode: CW Date/time: 30-3-2011, 1729 UTC**	**Beacon "M" Magadan Contr: (PPA)**
10872.7	**MX**	**Mode: CW Date/time: 27-3-2011, 1516 UTC**	**Beacon "F" Vladivostok Contr: (TJ)**
10872.7	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "D" Contr: (AB)**
11040	**S06s**	**Mode: AM Date/time: 2-3-2011, 0850 UTC**	**328 976 5 53989 Contr: (FN)**
11354	**M32**	**Mode: USB Date/time: 29-3-2011, 1600 UTC**	**Russian Naval Aircraft 08527 (An-12) reports to PRIBOY Contr: (ASch)**
11408	**M32**	**Mode: CW Date/time: 24-3-2011, 0716 UTC**	**REA4: Russian General Staff/Strategic Air. "rea4 rea4 Contr: (TJ)**
11411	**X06**	**Mode: AM Date/time: 10-3-2011, 1008 UTC**	**Mazielka. Sequence: 164532 Contr: (HS2)**
11435.0	**M08a**	**Mode: MCW Date/time: Mon 21-3-2011, 0600 UTC**	**5f cut nums: .... Good sig. Caught late. Contr: (westli)**
11435.0	**SK01**	**Mode: RFDT Date/time: Wed 30-3-2011, 0600 UTC**	**Contr: (MS)**
11460	**S06s**	**Mode: AM Date/time: Mon 14-3-2011, 1210 UTC**	**831 Contr: (HFD)**
11460.0	**S06**	**Mode: USB Date/time: Mon 21-3-2011, 1210 UTC**	**831 407 5 39884 32781 83012 45273 44070 407 5 00000 Contr: (Spec-G)**
11460.0	**S06s**	**Mode: USB Date/time: Mon 28-3-2011, 1210 UTC**	**Fair Signal. QRN from XJT nearby. 831 407 5 39884 ..... 44070 Contr: (Spec-G)**
11524	**M12**	**Mode: CW Date/time: 7-3-2011, 1300 UTC**	**543 1 926 189 27028 Contr: (FN)**

11524	**M12**	**Mode: CW Date/time: Mon 14-3-2011, 1300 UTC**	**543:1 Contr: (HFD)**
11532.0	**M08a**	**Mode: MCW Date/time: Wed 30-3-2011, 0700 UTC**	**20181 30182 72141 (This sked should have been on 9153m) Contr: (MS)**
11532.0	**SK01**	**Mode: RFDT Date/time: Wed 30-3-2011, 0630 UTC**	**Contr: (MS)**
11565.0	**M08a**	**Mode: CW Date/time: Thu 3-3-2011, 0400 UTC**	**5f cut nums: 18142 .... .6062 Very weak sig. Up late IP. Contr: (westli)**
11635	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0800 UTC**	**352:0 Contr: (HFD)**
11830	**S06s**	**Mode: AM Date/time: 9-3-2011, 0840 UTC**	**745 821 6 71212 Contr: (FN)**
12134.0	**M08a**	**Mode: CW Date/time: Thu 3-3-2011, 1400 UTC**	**5f cut nums: 07122 50362 75661 Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Mon 7-3-2011, 1400 UTC**	**5f cut nums: 52012 65751 84661 Good sig. Caught late. missed lead ID. Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Thu 10-3-2011, 1400 UTC**	**5f cut nums: 68612 50341 84052 Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Mon 14-3-2011, 1400 UTC**	**5f cut nums: 86802 46541 66421 Weak sig. Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Thu 17-3-2011, 1400 UTC**	**5f cut nums: 41762 25682 66802 Contr:**
12134.0	**M08a**	**Mode: CW Date/time: Mon 21-3-2011, 1400 UTC**	**5f cut nums: 56161 36812 77121 Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Thu 24-3-2011, 1400 UTC**	**5f cut nums: 50631 76221 23351 Contr: (westli)**
12134.0	**M08a**	**Mode: CW Date/time: Mon 28-3-2011, 1400 UTC**	**5f cut nums: 65342 63611 33411 Good sig. Contr: (westli)**
12138	**M12**	**Mode: CW Date/time: Fri 11-3-2011, 0740 UTC**	**338 Contr: (HFD)**
12140	**S06s**	**Mode: AM Date/time: 4-3-2011, 0930 UTC**	**516 902 7 32739 Contr: (FN)**
12140	**S06s**	**Mode: AM Date/time: 18-3-2011, 0930 UTC**	**516 940 7 65855 64295 56776 97544 54434 53654 38585 94 Contr: (HS2)**
12140	**S06s**	**Mode: AM Date/time: Fri 25-3-2011, 0930 UTC**	**516-940/7=65855 Contr: (HFD)**
12153	**E11**	**Mode: USB Date/time: 17-3-2011, 1600 UTC**	**645/20 A 22260 63852 .... 13396 Contr: (HS2)**

12170	**S06s**	**Mode: AM Date/time: 9-3-2011, 1010 UTC**	**153 429 6 99578 Contr: (FN)**
12180.0	**M08a**	**Mode: CW Date/time: Thu 3-3-2011, 1900 UTC**	**5f cut nums: 28141 54631 287362 Very weak sig. Started as MCW Contr: (westli)**
12180.0	**M08a**	**Mode: CW Date/time: Tue 22-3-2011, 1900 UTC**	**66331 371.. ..... (Fades out) Contr: (MS)**
12180.0	**M08a**	**Mode: MCW Date/time: Tue 22-3-2011, 1900 UTC**	**5f cut nums: 63382 66331 ..... Very weak sig. Contr: (westli)**
12180.0	**V02a**	**Mode: AM Date/time: Thu 3-3-2011, 1900 UTC**	**SSYL: .... Very weak sig. Up late IP. Started as MCW Contr: (westli)**
12214.0	**M08a**	**Mode: CW Date/time: Tue 22-3-2011, 1300 UTC**	**58611 18662 55712 Contr: (MS)**
12355	**S06s**	**Mode: AM Date/time: 8-3-2011, 0610 UTC**	**438 962 5 45751 83455 50587 47431 46802 962 5 00000 Contr: (HS2)**
12355	**S06s**	**Mode: AM Date/time: 29-3-2011, 0610 UTC**	**438 438 438 00000 Contr: (FN)**
12355	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0610 UTC**	**438:0 Contr: (HFD)**
12464	**M32**	**Mode: CW Date/time: 17-3-2011, 0802 UTC**	**RMEG: Russian navy wkg RIW Contr: (WP3)**
12464	**M32**	**Mode: CW Date/time: 17-3-2011, 0827 UTC**	**RGR70: Russian navy wkg RIW Contr: (WP3)**
12464	**M32**	**Mode: CW Date/time: 17-3-2011, 0834 UTC**	**RMBB: Russian navy wkg RIW Contr: (WP3)**
12464	**M32**	**Mode: CW Date/time: 17-3-2011, 0900 UTC**	**RFH71: Russian navy wkg RIW Contr: (WP3)**
12464	**M32**	**Mode: CW Date/time: 17-3-2011, 0942 UTC**	**RKB91: Russian navy "RCV RCV RCV de RKB91 RKB91 qsu1 q Contr: (WP3)**
12560	**S06s**	**Mode: AM Date/time: 4-3-2011, 1200 UTC**	**425 918 6 67846 Contr: (FN)**
12560	**S06s**	**Mode: AM Date/time: 17-3-2011, 1200 UTC**	**425 987 6 42053 82914 48527 54184 73101 10585 987 6 00 Contr: (HS2)**
12560	**S06s**	**Mode: AM Date/time: Thu 24-3-2011, 1200 UTC**	**425-983/5=42053 Contr: (HFD)**
12560.0	**S06s**	**Mode: AM Date/time: Wed 9-3-2011, 0012 UTC**	**Frequency shifting +1 khz Contr: (stefan)**
12560.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1200 UTC**	**Strong signal. 425 00000 Null message. End 1203z. Contr: (Spec-G)**

12930	**E17z**	**Mode: AM Date/time: 10-3-2011, 0810 UTC**	**674 839 5 09817 Contr: (FN)**
12952	**S06s**	**Mode: AM Date/time: 4-3-2011, 0900 UTC**	**167 928 5 78365 Contr: (FN)**
12952	**S06s**	**Mode: AM Date/time: 17-3-2011, 0900 UTC**	**167 948 5 99228 77544 04816 56557 51269 948 5 00000 Contr: (HS2)**
12952	**S06s**	**Mode: AM Date/time: 17-3-2011, 0900 UTC**	**167 948 5 99228 Contr: (FN)**
12980.0	**UNID**	**Mode: CW Date/time: Sat 5-3-2011, 1002 UTC**	**Decoded. Contr: (SWL1409)**
13065	**S06s**	**Mode: AM Date/time: 4-3-2011, 1210 UTC**	**425 918 6 67846 Contr: (FN)**
13065	**S06s**	**Mode: AM Date/time: Thu 24-3-2011, 1210 UTC**	**425 Contr: (HFD)**
13065.0	**S06s**	**Mode: USB Date/time: Thu 31-3-2011, 1210 UTC**	**Strong signal. 425 00000 Null message. End 1213z. Contr: (Spec-G)**
13365	**S06s**	**Mode: AM Date/time: 2-3-2011, 1000 UTC**	**729 864 5 72453 Contr: (FN)**
13365.0	**S06**	**Mode: USB Date/time: Wed 16-3-2011, 1000 UTC**	**729 806 5 67453 89674 34215 56553 89660 806 5 00000 Contr: (Spec-G)**
13365.0	**S06s**	**Mode: USB Date/time: Wed 30-3-2011, 1000 UTC**	**Weak signal. 729 00000 Null Message. Contr: (Spec-G)**
13374.0	**M08a**	**Mode: CW Date/time: Fri 18-3-2011, 1400 UTC**	**64381 43072 70811 Contr: (MS)**
13374.0	**M08a**	**Mode: CW Date/time: Tue 22-3-2011, 1400 UTC**	**58611 18662 55712 Contr: (MS)**
13375.0	**M08a**	**Mode: CW Date/time: Fri 11-3-2011, 1400 UTC**	**5f cut nums: ..... 13001 .... Good sig. Caught late. Actual freq 13374. Contr: (westli)**
13375.0	**M08a**	**Mode: CW Date/time: Tue 15-3-2011, 1400 UTC**	**5f cut nums: 34312 70152 78111 Very weak sig. Contr: (westli)**
13380.0	**M08a**	**Mode: MCW Date/time: Tue 22-3-2011, 2000 UTC**	**Contr: (Pres)**
13380.0	**M08a**	**Mode: MCW Date/time: Tue 22-3-2011, 2000 UTC**	**(Too weak for copy) Contr: (MS)**
13380.0	**M08a**	**Mode: MCW Date/time: Tue 22-3-2011, 2000 UTC**	**5f cut nums: 63382 66331 30121 Weak sig. Contr: (westli)**
13380.0	**M08a**	**Mode: AM Date/time: Wed 23-3-2011, 2000 UTC**	**Mixed with V2a. Contr: (Pres)**

13380.0	**V02a**	**Mode: AM Date/time: Thu 3-3-2011, 2000 UTC**	**SSYL atencion: 84061 60012 02102 Weak sig. Contr: (westli)**
13380.0	**V02a**	**Mode: AM Date/time: Thu 10-3-2011, 2000 UTC**	**SSYL atencion: 11681 45748 2100 Contr: (westli)**
13380.0	**V02a**	**Mode: AM Date/time: Tue 22-3-2011, 2030 UTC**	**Right under M8a. Transmitter errors, hum on and off. Contr: (Pres)**
13380.0	**V02a**	**Mode: AM Date/time: Wed 23-3-2011, 2000 UTC**	**Mixed with M8a. Contr: (Pres)**
13380.0	**V02a**	**Mode: AM Date/time: Tue 29-3-2011, 2000 UTC**	**SSYL atencion: 63772 27722 27311 Weak sig. Sig carried V2a Contr: (westli)**
13515	**S06s**	**Mode: AM Date/time: 4-3-2011, 0940 UTC**	**516 902 7 32739 Contr: (FN)**
13515	**S06s**	**Mode: AM Date/time: Fri 25-3-2011, 0940 UTC**	**516 Contr: (HFD)**
13527.0	**MX**	**Mode: USB Date/time: Tue 22-3-2011, 1511 UTC**	**(around 13527) Beacon "A", Astrakhan mixed with odd jamming like sound. Contr: (Danix)**
13527.7	**MX**	**Mode: CW Date/time: 5-3-2011, 1750 UTC**	**Beacon "D" Sevastopol Contr: (VL)**
13527.7	**MX**	**Mode: CW Date/time: 25-3-2011, 1310 UTC**	**Beacon "D" Odessa/Sevastopol Contr: (MPJ)**
13527.7	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "D" Contr: (AB)**
13527.9	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "S" Contr: (AB)**
13528	**MX**	**Mode: CW Date/time: 5-3-2011, 1751 UTC**	**Beacon "C" Moscow Contr: (VL)**
13528	**MX**	**Mode: CW Date/time: 25-3-2011, 1310 UTC**	**Beacon "C" Moscow Contr: (MPJ)**
13528	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "C" Moscow Contr: (TJ)**
13528	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "C" Contr: (AB)**
13528.1	**MX**	**Mode: CW Date/time: 7-3-2011, 0647 UTC**	**Beacon A: Astrakhan Contr: (VL)**
13528.1	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "A" Contr: (AB)**
13528.4	**MX**	**Mode: CW Date/time: 7-3-2011, 0646 UTC**	**Beacon M: Magadan Contr: (VL)**

13528.4	**MX**	**Mode: CW Date/time: 20-3-2011, 1220 UTC**	**Beacon "M" Magadan Contr: (VL)**
13528.4	**MX**	**Mode: CW Date/time: 24-3-2011, 0717 UTC**	**Beacon "M" Magadan Contr: (TJ)**
13528.4	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "M" Magadan Contr: (EW)**
13528.4	**MX**	**Mode: CW Date/time: 25-3-2011, 1310 UTC**	**Beacon "M" Magadan Contr: (MPJ)**
13528.4	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "M" Magadan Contr: (TJ)**
13528.4	**MX**	**Mode: CW Date/time: 28-3-2011, 1105 UTC**	**Beacon "M" Magadan Contr: (EW)**
13528.4	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "M" Contr: (AB)**
13565	**S06s**	**Mode: AM Date/time: 4-3-2011, 0910 UTC**	**167 928 5 78365 Contr: (FN)**
13565	**S06s**	**Mode: AM Date/time: 17-3-2011, 0910 UTC**	**167 948 5 99228 Contr: (FN)**
13890	**E06**	**Mode: AM Date/time: Fri 11-3-2011, 0600 UTC**	**864-565/87=79133 Contr: (HFD)**
14080	**S06s**	**Mode: AM Date/time: 29-3-2011, 0600 UTC**	**438 438 438 00000 Contr: (FN)**
14080	**S06s**	**Mode: AM Date/time: Tue 29-3-2011, 0600 UTC**	**438:0 Contr: (HFD)**
14280	**E17z**	**Mode: AM Date/time: 10-3-2011, 0800 UTC**	**674 839 5 09817 Contr: (FN)**
14505	**S06s**	**Mode: AM Date/time: 2-3-2011, 1010 UTC**	**729 864 5 72453 Contr: (FN)**
14505.0	**S06**	**Mode: USB Date/time: Wed 16-3-2011, 1010 UTC**	**729 806 5 67453 89674 34215 56553 89660 806 5 00000 Contr: (Spec-G)**
14505.0	**S06s**	**Mode: USB Date/time: Wed 30-3-2011, 1010 UTC**	**Weak signal. 729 00000 Null Message. Contr: (Spec-G)**
14863	**X06**	**Mode: AM Date/time: 11-3-2011, 0844 UTC**	**Mazielka. Sequence: 615243 Contr: (HS2)**
14871	**X06**	**Mode: AM Date/time: 22-3-2011, 0606 UTC**	**Mazielka. Contr: (HS2)**
14871	**X06**	**Mode: AM Date/time: 26-3-2011, 1217 UTC**	**Mazielka. Sequence: 156234 Contr: (Dan)**

16123.0	**S06**	**Mode: USB Date/time: Tue 29-3-2011, 1000 UTC**	**Russian Man. Contr: (Pres)**
16331.7	**MX**	**Mode: CW Date/time: 1-3-2011, 0842 UTC**	**Beacon "D" Sevastopol Contr: (TJ)**
16331.7	**MX**	**Mode: CW Date/time: 5-3-2011, 1744 UTC**	**Beacon "D" Sevastopol Contr: (VL)**
16331.7	**MX**	**Mode: CW Date/time: 19-3-2011, 1040 UTC**	**Beacon "D" Sevastopol Contr: (WP3)**
16331.7	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "D" Sevestopol Contr: (TJ)**
16331.7	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "D" Contr: (AB)**
16331.9	**MX**	**Mode: CW Date/time: 1-3-2011, 1808 UTC**	**Beacon "S" Sevoromorsk Contr: (TJ)**
16331.9	**MX**	**Mode: CW Date/time: 9-3-2011, 1110 UTC**	**Beacon S: Severomorsk Contr: (VL)**
16331.9	**MX**	**Mode: CW Date/time: 19-3-2011, 1040 UTC**	**Beacon "S" Severomorsk Contr: (WP3)**
16331.9	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "S" Sevoromorsk Contr: (EW)**
16331.9	**MX**	**Mode: CW Date/time: 25-3-2011, 1310 UTC**	**Beacon "S" Severomorsk Contr: (MPJ)**
16331.9	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "S" Contr: (AB)**
16332	**MX**	**Mode: CW Date/time: 5-3-2011, 1747 UTC**	**Beacon "C" Moscow Contr: (VL)**
16332	**MX**	**Mode: CW Date/time: 19-3-2011, 1040 UTC**	**Beacon "C" Moscow Contr: (WP3)**
16332	**MX**	**Mode: CW Date/time: 25-3-2011, 1114 UTC**	**Beacon "C" Moscow Contr: (EW)**
16332	**MX**	**Mode: CW Date/time: 25-3-2011, 1310 UTC**	**Beacon "C" Moscow Contr: (MPJ)**
16332	**MX**	**Mode: CW Date/time: 25-3-2011, 1327 UTC**	**Beacon "C" Moscow Contr: (TJ)**
16332	**MX**	**Mode: CW Date/time: 31-3-2011, 1532 UTC**	**Beacon "C" Contr: (AB)**
16332.1	**MX**	**Mode: CW Date/time: 1-3-2011, 0842 UTC**	**Beacon "A" Astrakhan Contr: (TJ)**
16332.1	**MX**	**Mode: CW Date/time: 9-3-2011,**	**Beacon A: Astrakhan Contr: (VL)**

		1111 UTC	
16332.1	MX	Mode: CW Date/time: 25-3-2011, 1310 UTC	Beacon "A" Astrakhan/Baku Contr: (MPJ)
16332.1	MX	Mode: CW Date/time: 31-3-2011, 1532 UTC	Beacon "A" Contr: (AB)
16332.2	MX	Mode: CW Date/time: 9-3-2011, 1017 UTC	Beacon "F" Vladivostok Contr: (FN)
16332.4	MX	Mode: CW Date/time: 31-3-2011, 1532 UTC	Beacon "M Contr: (AB)
18670.0	XPA2	Mode: AM Date/time: Sat 26-3-2011, 1402 UTC	20 over 9 in NY. Contr: (Pres)
20047.7	MX	Mode: CW Date/time: 9-3-2011, 1105 UTC	Beacon D: Sevastopol Contr: (VL)
20047.9	MX	Mode: CW Date/time: 9-3-2011, 1106 UTC	Beacon S: Severomorsk Contr: (VL)
20047.9	MX	Mode: CW Date/time: 31-3-2011, 1532 UTC	Beacon "S" Contr: (AB)
20048	MX	Mode: CW Date/time: 9-3-2011, 1107 UTC	Beacon C: Moscow Contr: (VL)
20048	MX	Mode: CW Date/time: 31-3-2011, 1532 UTC	Beacon "C" Contr: (AB)

CONTRIBUTORS

2AT110	**Brian, WA, USA**
AB	**Ary Boender, Netherlands**
AB-EST	**Ary Boender via UVB75 relay in Estonia**
ALF	**Alf, Germany**
all	**Allenk, AZ, USA**
Anon	**Anonymous**
ASch	**Alex Shmel**
BKS	**Brandon Longo, CA, USA**
Dan	**Daniel**
Danix	**Danix111, Poland**
DF5JL	**Tom DF5JL, Germany**
DPM	**Dave, Manchester, UK**
DZ	**DZ, ILL, USA**
Ears	**Ears, ILL, USA**
EB	**Eddie Bellerby, UK**
EW	**Eddy Waters, Australia**
FC	**Francesco Cecconi**
FMB	**FMB, Germany**

FN	**Fritz Nusser, Switzerland**
GN2	**Gary Neville**
HFD	**Hans-Friedrich Dumrese, Germany**
HS	**Hugh Stegman, USA**
HS2	**Hans Snekvik, W. Europe**
IP-DE	**Ivellios Paranormali, Germany (remote)**
IP-GRC	**Ivellios Paranormali, Greece (remote)**
IP-NL	**Ivellios Paranormali, Netherlands (remote)**
IP-SVK	**Ivellios Paranormali, Slovakia (remote)**
JDR	**Joost de Raaf, Netherlands**
Joe	**Joe, Italy**
Jon-FL	**Jon, FL, USA**
JPL-AFS	**JPL via GlobalTuners S.Afrika**
JPL-D	**JPL via GlobalTuners Germany**
JPL-E	**JPL via GlobalTuners Spain**
JPL-G	**JPL via GlobalTuners UK**
JPL-GRC	**JPL via GlobalTuners Greece**
JTV	**JT, Vancouver, BC, Canada**
KP2	**Keith Perron**
kroger	**Kroger, UK**
MOR	**Mauro, North Italy**
MPJ	**Jim, SW England**
MS	**Mark Slaten, MI, USA**
Norave	**Norave (GFD)**
PanDR	**PanDR48, Sweden**
PPA	**Peter Poelstra, Netherlands**
Pres	**PresentedIn4D, NY, USA**
Ranger	**ranger, UT, USA**
Rill	**Rich, ILL, USA**
RP	**Rimantas Pleikys, Lithuania**
RW	**Robb Wise**
Saber	**SaberWing, N. Ireland**
SD	**Simon Denneen, Sydney, Australia**
Spec-G	**The Spectre 3000 via GlobalTuners UK**
Spec-HK	**The Spectre 3000 via GlobalTuners Hong Kong**
stefan	**Stefanazz**
SWL1409	**SWL 1409, France**
TI	**Tomonori Izumi, Japan**
TJ	**Trond Jacobsen, Norway**
VL	**Vincent Lecler, France**
Westli	**Westli, CA, USA**
why-SVK	**Y Greenberg via GlobalTuners Slovakia**
WP3	**Wolfgang Palmberger**
YM	**Yves-Marie, France**

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