```
678  27364  92836  09428  61208  74982  36498  32764  81276  81
986  40932  70987  32123  49817  26346  81287  65491  87364  81
721  75654  55656  12737  72727  72727  91918  63473  67867  76
723  87629  37677  32612  53498  71296  28756  18276  98716  87
7269 76329  74698  76857  98670  27601  56701  57601  73648  15
591  87364  87265  96710  27630  12673  84769  28743  98127  5
58   63298  75698  27465  87326  49876  28376  81273  98615  62
67   87432  74328  78674  29867  32867  67867  86786  43876  432
57   68768  68763  34234  34238  68768  62342  48273  48768  234
936  98432  32432  86743  43286  43286  43286  43286  43286  43
743  86743  86743  39867  32867  86743  43286  43286  43243  86
741  86743  86743  86743  86743  86743  86743  86743  86743  435
543  98798  98754  98754  98754  98754  29867  67543  67986  867
76   87698  69876  87698  69876  87612  12341  34867  86798  632
967  43298  65656  56756  56123  32143  14321  32143  14321  321
     12787  58765  76587  58765  76587  58765  76587  58756  765
     75654  36543  54365  36543  54365  36543  54365  36543  54
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Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #203, August 2014

Editor: Ary Boender   email: ary@luna.nl

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

NUMBERS & ODDITIES http://www.numbersoddities.nl

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

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

START PAGE http://home.luna.nl/~ary

HF UNDERGOUND http://www.hfunderground.com/board/

Hi and welcome to N&O #203. N&O is filled with lots of transcripts and logs submitted by a number of faithful Numbers DXers. Special thanks to JPL, Danix and Topol for the large amount of logs and transcripts. Your logs and info are greatly appreciated, so mail me what you hear !!!

The numbers scene is still very much alive and kicking. I regularly receive requests to write columns or get interviewed about the subject. Good that so many people are still following these stations. Starting this month a series of articles about the numbers stations will be published in the bulletins of the Benelux DX-Club and DX-Antwerp. The articles are in Dutch.

This month I included again an item about two Cold War stations and Maciej provided more info about the transmitter sites of the Polish numbers stations. I published some of the info already a year ago in N&O but new info is now available, so I included part of the item again in this month's edition.

So, let's start with the Cold War item…………

Cold War Radio

Der Deutsche Freiheitssender 904

Der Deutsche Soldatensender 935

Der Deutsche Freiheitssender 904

The Deutsche Freiheitssender 904 was an East German propaganda station. It was active in the Cold War, during the period 1956-1971. The station used the first bars of Beethoven's Ode to Joy as their interval signal and started each transmission with the announcement "Hier ist der Deutsche Freiheitssender 904 – der einzige Sender der Bundesrepublik, der nicht unter Regierungskontrolle steht" (Here is the German Freedom Station 904. The only station of the Federal Republic, which is not under government control").

The station was an initiative of the East German KPD, the Kommunistische Partei Deutschlands (German Communist Party) and started on 17-8-1956 on 904 kHz. DFS 904 transmitted from Burg, DDR but they tried to give the impression that they operated a clandestine station. DFS stated that it transmitted from a cellar, somewhere in the Bundesrepublik, persecuted by the State Security Forces and the police. They also stated that DFS was the only station in the Federal Republic that was not under government control. To emphasize that the station was illegally transmitting from a cellar, they even added some noise to the signal and often also a hum was added, which sounded like they were jammed by the BRD. In order to sound like a western station DFS 904's programs consisted of conversations and Western hit records like the ones that Radio Luxemburg transmitted. The music that DFS played was prohibited in the DDR. The announcers spoke with a West German accent. DFS 904 tried to get regular listeners in the BRD but most of their listeners were in the DDR.

Hört den deutschen Freiheitssender 904

Jeden Abend um   19.00 Uhr, 21.00 Uhr, 22.30 Uhr
Jeden Morgen um   4.30 Uhr, 5.00 Uhr, 5.30 Uhr
• Hört die Welle des Deutschen Freiheitssenders 904 = 331,9 m1 •

DFS 904 was famous for its coded messages between the records, the so-called "Eidechsen", allegedly aimed at agents or underground groups of the KPD in West Germany. They were often announced as follows:

Hier ist der Deutsche Freiheitssender 904.	Here is the German Freedom Station 904.
Achtung!	Attention!
Wir bitten in wenigen Minuten um Aufmerksamkeit für eine wichtige Durchsage.	In a few minutes we ask for your attention for an important announcement.

As we know now, the announcements were not agent announcements, but yet another way to convince the listeners and the West German authorities that DFS was operating from the BRD and that the messages were warnings for secret agents of the DDR and underground groups of the KPD in the Bundesrepublik. West German authorities however soon found out that the

station was not on its territory but that it was using the transmitter site in Reesen near Burg in the DDR.

A German listener sent me several recordings of these Eidechsen. Interesting messages as you can see below ☺

German	English
Hier ist der Deutsche Freiheitssender 904.	This is the German Freedom Station 904.
Achtung! Achtung!	Attention! Attention!
Wir rufen den Postschaffner.	We call the Post conductor.
Das dritte Wort im Telegramm ist die Lösung.	The third word of the telegram is the solution.
Ich wiederhole.	I repeat:
Wir rufen den Postschaffner.	We call the Post conductor.
Das dritte Wort im Telegramm ist die Lösung.	The third word of the telegram is the solution.
Ende der Durchsage.	End of announcement.

German	English
Achtung! Achtung!	Attention! Attention!
Wir rufen Kleingärtner.	We call small gardeners.
Zum Rasieren Rasenmäher benutzen.	Use lawn mower for shaving.
Ich wiederhole.	I repeat. Attention! Attention!
Achtung! Achtung!	We call small gardeners.
Wir rufen Kleingärtner.	Use lawn mower for shaving.
Zum Rasieren Rasenmäher benutzen.	End of announcement.

German	English
Achtung! Achtung!	Attention! Attention!
Wir rufen Kräuterhexe.	We call herb witch.
Wir brauchen dringend Baldrian.	We urgently need valerian.
Ich wiederhole.	I repeat.
Achtung! Achtung!	Attention! Attention!
Wir rufen Kräuterhexe.	We call herb witch.
Wir brauchen dringend Baldrian.	We urgently need valerian.
Ende der Durchsage.	End of announcement.

German	English
Hier ist der Deutsche Freiheitssender 904. Wir melden uns mit einer wichtigen Durchsage.	This is the German Freedom Station 904. We have an important announcement.
Wir rufen den Stellvertreter von Drosselbart.	We call the representative of Drosselbart.
Die Karawane trifft zwei Stunden früher ein.	The caravan will arrive two hours earlier.
Besondere Massnahmen: Nicht erforderlich.	Special measures: Not necessary.
Ich wiederhole.	I repeat:
Wir rufen den Stellvertreter von Drosselbart.	We call the representative of Drosselbart.
Die Karawane trifft zwei Stunden früher ein.	The caravan will arrive two hours earlier.
Besondere Massnahmen: Nicht erforderlich.	Special measures: Not necessary.
Ende der Durchsage.	End of announcement.

German	English
Hier ist der Deutsche Freiheitssender 904 mit einer wichtigen Durchsage.	This is the German Freedom Station 904 with an important announcement.
Achtung!	Attention!
Wir rufen die Dunkelmänner.	We call the shady men.
Allen Ballast sofort abstossen.	Get rid of all ballast at once.
Ich wiederhole.	I repeat:
Wir rufen die Dunkelmänner.	We call the shady men.
Allen Ballast sofort abstossen.	Get rid of all ballast at once.
Ende.	End.

German	English
Achtung!	Attention!
Wir rufen den Postschaffner.	We call the Post conductor.
Das dritte Wort im Telegramm ist die Lösung.	The third word of the telegram is the solution.
Ich wiederhole.	I repeat:
Wir rufen den Postschaffner.	We call the Post conductor.
Das dritte Wort im Telegramm ist die Lösung.	The third word of the telegram is the solution.
Ende der Durchsage.	End of announcement.

German	English
Achtung! Achtung!	Attention! Attention!
Autofahrer in Essen und Düsseldorf:	Car drivers in Essen and Düsseldorf:
Die nächsten Tage Stopplichtkontrolle.	Within the next days check-up of the stop-lights.
Ich wiederhole:	I repeat:
Achtung! Achtung!	Attention! Attention!
Autofahrer in Essen und Düsseldorf:	Car drivers in Essen and Düsseldorf:
Die nächsten Tage Stopplichtkontrolle.	Within the next days check-up of the stop-lights.
Ende der Durchsage.	End of announcement.

German	English
Achtung! Achtung!	Attention! Attention!
Wir rufen Chefkoch, heute kalte Küche.	We call chief-cook, today cold meals.
Ich wiederhole.	I repeat:
Achtung! Achtung!	Attention! Attention!
Wir rufen Chefkoch, heute kalte Küche.	We call chief-cook, today cold meals.
Ende der Durchsage.	End of announcement.

German	English
Achtung! Achtung!	Attention! Attention!
Wir rufen Kaffeekännchen.	We call coffee pot.
Die kuchen sind angebrannt	The cakes are burnt
Ich wiederhole:	I repeat:
Achtung! Achtung!	Attention! Attention!
Wir rufen Kaffeekännchen.	We call coffee pot.
Die kuchen sind angebrannt	The cakes are burnt

German	English
Achtung! Achtung!	Attention! Attention!.
Wir rufen Nachtlichter.	We call night lights.
Heute nacht ist es noch dunkeler	Tonight it's even darker
Ich wiederhole:	I repeat:
Achtung! Achtung!	Attention! Attention!.
Wir rufen Nachtlichter.	We call night lights.
Heute nacht ist es noch dunkeler	Tonight it's even darker

German	English
Achtung! Achtung!	Attention! Attention!
Wir rufen Krokodill.	We call crocodile.
Gebiss schleifen.	Teeth grinding
Ich wiederhole:	I repeat:
Achtung! Achtung!	Attention! Attention!
Wir rufen Krokodill.	We call crocodile.
Gebiss schleifen.	Teeth grinding

Besides the fact that the cost for the station was very high, the number of listeners had dropped to almost nil in 1969. Therefore the daily transmissions were shortened to three broadcasts of 30 minutes. On September 30, 1971 DFS 904 ceased its operations.

Der Deutsche Soldatensender 935

DFS 904 had a sister station called the Deutscher Soldatensender 935 (German Military Station 935). DSS 935 was an East German military propaganda station. It started on 1 October 1960 and also transmitted from Burg. On 1 June 1965 the name of the station changed to *"9. Abteilung der 10. Verwaltung der Politischen Hauptverwaltung der NVA"* (9th Division of the 10th administration of the Main Political Administration of the National People's Army), an impossible name for a radio station. The station closed down on 30 June 1972.

Below the DSS 935 QSL card:

See http://www.deutscher-soldatensender.de/ for more info.

VOICE STATIONS

 E06

Note: The 2nd/4th Wednesday 1130/1600 UTC schedules are gone.

5731 kHz, 08-08/22-08, 2130 UTC
315 274 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
274 20 00000

13898/17478 kHz, 14-08/15-08, 1505/1605 UTC
759 481 52
90532 46561 32126 95475 56986 48914 58279 18018 27690 88007
59662 44637 10003 99056 79406 01324 60502 73118 88702 98496
78625 19081 65456 68037 10575 76908 29288 82057 61903 74351
93829 58094 42242 44298 22227 80415 90581 44959 96817 92128
54564 50070 38898 37777 22217 01308 39528 61113 29563 40085
87309 87734
481 52 00000

5948 kHz, 07-08/21-08, 2030 UTC
724 013 20
14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
013 20 00000

14525/16340 kHz, 07-08/08-08/21-08/22-08, 0500/0600 UTC

210 946 107

41192 94071 39052 19657 70720 48577 43445 87512 90616 15490
89296 43826 60496 71582 28907 66043 34497 66615 81467 77052
36708 44256 56398 54387 82015 90040 11928 16912 78293 86086
47381 79968 70877 77217 52580 96165 15269 78213 62824 24001
88987 76853 92863 91501 78535 12451 48322 47074 02383 34562
37995 14746 55936 71561 35462 95990 89411 63761 63460 85323
54556 40779 99441 91851 81160 47821 25760 83969 69281 50585
72932 99390 08139 73462 29395 87689 57600 50727 16203 77562
53204 95404 50115 85970 20659 15498 43482 11377 10745 32267
14407 78243 90568 80251 05577 24988 52106 93711 35240 52590
23959 09186 28739 76023 97275 38849 04055

946 107 00000

E07
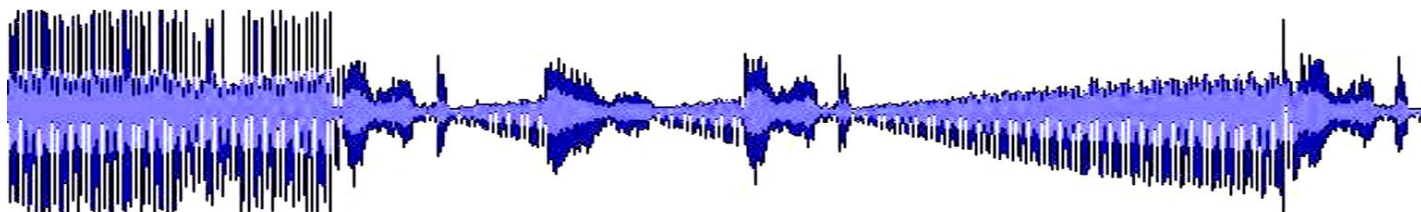
E07 with a noisy transmitter

13881/12181/10881 kHz, 13-08/17-08, 1700/1720/1740 UTC

818 1 950 140

50802 41067 79434 89279 83877 03915 47948 70259 40477 81982
06981 92478 26287 26623 66070 41587 62800 10445 54439 10309
64196 48970 11523 16446 06707 65890 97371 91699 80787 62134
73542 96686 05216 89769 67144 01392 67579 05506 26355 11683
43762 11421 44300 44844 69828 09980 40363 72577 67996 99006
57174 34467 85185 45751 08106 33811 79278 62633 08392 81121
96660 53616 25030 07298 74028 59935 72312 29590 18953 38781
79470 63750 43137 39665 15421 36746 20297 02853 84194 97109
27253 19483 13365 32283 26410 62666 09812 65990 80108 99060
11338 52386 42528 48233 06370 62186 79059 42939 40127 62390
05869 32903 57295 76841 12828 68190 40422 82112 83728 78017
12867 68871 56907 44309 23442 77905 27771 48711 52098 98074
27567 16879 62387 71240 12893 89632 53162 82085 94243 20025
99695 51527 88464 21801 60716 69585 47525 29342 11148 47813

000 000

E11/ E11a

As a result of a discussion about the Polish numbers stations on UDXF this month I decided to re-publish a part of an item that was also in N&O 191. This item plus the additional info that was discussed on UDXF give a nice overview of the various transmitter sites of E11/S11a/M03.

I'd like to thank all who participated in the discussion and in particular Maciej and the people from Priyom.org for their invaluable information.

The three sites that have been found are:

- o Ojca Augustyna Kordeckiego in Chotomow 52°42'94.1"N 20°88'1"E
- o Pyry (Dąbrówka),Karmazynowa 1, Warszaw 52°06'42.1"N 21°01'28.8"E
- o Janki-Puchaly 52°8'33.77"N 20°53'59.68"E

Interesting information about the site Ojca Augustyna Kordeckiego in Chotomow was found by Maciej. Here is a pdf describing last works done there: fence and others
http://www.jablonna.pl/gmina/pliki/aktualnosci/2013/sierpien/obwieszczenie%20wojewody%20ul.%20Kordeckiego.pdf

The owner of this place is Służba Wywiadu Wojskowego – SWW (Military Intelligence Service)
SWW's website en wiki: http://www.sww.gov.pl/en/index.html
http://pl.wikipedia.org/wiki/S%C5%82u%C5%BCba_Wywiadu_Wojskowego

Here is a dispute between MIS and local authorities http://ug.jablonna.ibip.pl/public/get_file_contents.php?id=249362

A local press article about citizens of Chotomow and other villages protesting against militairy antennas (it is said that 2 radar antennas are to be placed in CHotomow but it is more likely that the antennas are for the nearby air defence site
http://tustolica.pl/nie-chcemy-wojskowych-anten-w-chotomowie_63767

In the past the Polish numbers transmissions were most probably aired via the transmitters of Warszawa Radio or Gdynia Radio and also the MFA / intelligence transmitter site near Karmazynowa / Warszawa was and still is used by E11. Check Google Maps. There is a street view picture at this point. The link to the Google map is below.
https://www.google.nl/maps/place/Karmazynowa,+Warszawa,+Polen/@52.11173,21.026255,575m/data=!3m1!1e3!4m2!3m1!1s0x47192df9f266d243:0x8eeee76295a0f20b?hl=nl (picture below)

Warszawa Radio was as you remember a very strong station and was head all over the globe. After 1989 it was sold (in mid 90s) to Telekomunikacja Polska S.A. which was sold to a French company that decided that Poland needed no global HF station. This was the end of Warszawa Radio. The location and pictures of the ruins can be found here in Radiowek, the old Warszawa Radio site: http://tinyurl.com/oc365ca and the pictures of the deserted station: https://www.facebook.com/media/set/?set=a.168968706504184.46157.137181089682946&type=1

This was one of Polish military RX/TX sites... but was dismantled: https://maps.google.com/maps?saddr=52.108983,20.986921&daddr=52.108798,20.987554&hl=pl&sll=52.109319,20.986848&sspn=0.005594,0.013937&t=h&mra=mift&mrsp=1&sz=17&z=17

This Is one of the active sites used by E11 https://www.google.nl/maps/place/52%C2%B008'33.8%22N+20%C2%B053'59.7%22E/@52.1426309,20.9000719,413m/data=!3m1!1e3!4m2!3m1!1s0x0:0x0

This Polish site is also still active but probably not used by E11: https://maps.google.com/maps?q=Falenty&hl=pl&ll=52.142326,20.90032&spn=0.00559,0.013937&sll=52.429121,20.882778&sspn=0.002777,0.006968&t=h&hnear=Falenty,+pruszkowski,+mazowieckie,+Polska&z=17&layer=c&cbll=52.142326,20.90032&panoid=YUu167guJenm5DKomLC9lw&cbp=12,296.6,,0,9.7

This one is active and is used by E11 & Co:
https://maps.google.com/maps?saddr=52.429455,20.881726&daddr=52.429389,20.881871&hl=pl&sll=52.429121,20.882778&sspn=0.002777,0.006968&t=h&mra=mift&mrsp=1&sz=18&z=18

This large site at Leżajska, Warszawa, was active a while ago too:
https://maps.google.com/maps?saddr=52.189715,20.973214&daddr=52.189671,20.97319&hl=pl&sll=52.189394,20.973203&sspn=0.001396,0.003484&t=h&mra=mift&mrsp=1&sz=19&z=19

16388 kHz, 01-08, 1110 UTC
954/31 Attention
68637 03804 01789 27909 58751 74630 35938 65022 81665 77719
17517 49543 89675 82544 38711 45560 09099 76024 71633 56223
63246 52549 44860 19152 01743 26774 19092 50678 51377 27815
37130
Attention, rpt msg, out

10487 kHz, 01-08, 1710 UTC
955/22 Attention
16915 74115 61390 94198 69304 86857 63588 70526 49495 79972
87783 87625 08611 11308 50045 18987 06809 09515 00621 87110
52372 27791
Attention, rpt msg, out

16388 kHz, 04-08, 1110 UTC
954/34 Attention
42663 51765 61499 97093 33300 47956 84393 57197 30839 48646
96620 26954 36092 41400 34100 45695 16619 74566 36761 64298
10141 94058 50253 11566 49011 31706 53686 76664 06502 49825
46221 57302 80372 83409
Attention, rpt msg, out

10487 kHz, 04-08, 1710 UTC
959/28 Attention
66118 74315 89823 00364 98226 90211 50752 67358 88019 52504
99986 36446 90049 71912 76340 73994 81018 41719 79340 58429
05298 44450 08759 25634 18371 33504 25192 00626
Attention, rpt msg, out

14769 kHz, 02-08, 0530 UTC
980/10 Attention
20488 12805
36166 55772 13211 82071 92828 22801 53882 10431
Attention, rpt msg, out

13722 kHz, 02-08, 1400 UTC
981/10 Attention
48993 53845
77815 84992 46408 71660 18424 14473 51956 32103
Attention, rpt msg, out

14518 kHz, 02-08, 1810 UTC
982/10 Attention
19804 35822 06956 17478 06565 43737 90091 43200 72541 76214
Attention, rpt msg, out

12924 kHz, 04-08/08-08, 0830 UTC
Note: 36 groups announced, 30 sent. Recording on the N&O website
640/36 Attention
79504 95946 04294 75595 35293 31220 67181 57798 93688 45247
93174 41997 91367 35671 79497 28108 14630 96244 40588 88990
42251 27650 61645 83336 47165 46516 61686 38472 62530 17582
Attention, rpt msg, out

9610 kHz, 04-08, 0745 UTC. Note: Audio off for 28 secs, 0749z DOUBLE E11a for a few seconds
10356 kHz, 07-08, 1530 UTC
262/32
96657 80976 18554 64639 26387 83616 17368 61828 34164 23528
49890 49017 15109 25950 47710 67772 74828 15785 58480 25605
09320 04158 25777 08628 23288 50202 99057 06672 12016 28715
47522 39358

9610 kHz, 05-08/06-08, 1045 UTC
466/30 Attention
75991 52233 43480 58030 98189 03578 41374 49398 69966 89205
85372 69228 38713 51008 63844 41008 08285 95009 74950 08913
45030 70046 45851 41965 57398 43188 71641 07295 91201 55495
Attention, rpt msg, out

14769 kHz, 05-08, 0530 UTC
980/10 Attention
97285 96245 93466 25332 18340 63962 02219 48103 06991 09612
E11a - 5 August 2014 - Tue - 18:10 - 14518 USB - 983/10 11957 67261
99607 50377 29076 62898 46920 38322 44018 05259
Attention, rpt msg, out

14769 kHz, 09-08, 0530 UTC
981/10 Attention
23765 23517 32624 18608 38692 10644 48901 01248 89662 94295
Attention, rpt msg, out

14518 kHz, 09-08, 1810 UTC
983/10 Attention
34266 37278 10793 86154 82771 83240 25286 85856 85606 27510
Attention, rpt msg, out

8530 kHz, 08-08, 2000 UTC
576/00 with a Windows XP shutdown sound 20 seconds into the transmission. A recording can be found on the N&O website. This was reported by GU and Danix. Danix wrote me the following: "*On Fridays there is S11a at 19:55 on 4870 kHz, which tends to overlap with the E11 at 20:00 if it sends a message. They definitely use two separate computers for such situations, with the E11/S11a audio being modulated into one stereo channel at a time, then mixed *as-is* with some other hardware (rather than audio from each computer being put into only one channel). At the transmitter site it is received, then split into two separate channels, each directed to different transmitting equipment. If they do it that way, that means we could hear operating system sounds from one of the computers on both simultaneous transmissions. And then what we heard was the machine used for S11a at 19:55 shutting down.*"

14975 kHz, 06-08/10-08/13-08, 0805 UTC
Note: unusual third repeat
373/30 Attention
15269 26684 33298 67832 08814 68055 22880 25563 67830 36295
01063 50639 24173 14809 69680 93941 07529 08684 04596 27639
63340 42779 84193 62824 92709 19636 46333 81385 11846 50401
Attention, rpt msg, out

16388 kHz, 08-08, 1110 UTC
952/31 Attention
15477 40732 91872 37206 15720 25953 15099 93790 16871 91943
76247 77703 02117 69521 62190 11518 36346 92327 43370 27165
42483 22649 06496 30454 49016 67596 08465 79974 34131 36797
62755
Attention, rpt msg, out

10487 kHz, 08-08, 1710 UTC
955/21 Attention
79402 00301 55006 10547 75688 36209 96067 46064 98398 96865
33624 95629 13897 50614 74361 37709 65402 22799 76162 18720
20667
Attention, rpt msg, out

16388 kHz, 11-08, 1110 UTC
952/31 Attention
77491 07629 90823 74079 61742 67412 14611 16790 32196 17731
27052 97597 68488 06463 07382 80058 03729 64179 29347 80780
32264 99767 33442 91892 96318 33029 70001 12331 43980 12509
83382
Attention, rpt msg, out

10487 kHz, 11-08, 1710 UTC
955/21 Attention
14381 40084 86570 46947 69170 59824 03006 88494 19328 45575
34073 81725 71813 92180 96846 07037 68208 36811 17770 66662
85917
Attention, rpt msg, out
Windows XP shutdown sound

8725 kHz, 11-08/14-08, 0820 UTC
436/35 Attention
65689 85344 66358 68949 60330 95941 72278 30158 15712 94699
35999 62778 81248 71055 22811 21851 47250 39671 48627 36523
41016 88901 96981 39516 62765 11727 17962 93389 16009 57941
74930 97417 50348 04457 75212
Attention, rpt msg, out

16335 kHz, 11-08/17-08, 1540 UTC
225/37 Attention
98629 17222 21793 77446 48681 54595 92641 55225 80508 51952
44979 73944 16443 94467 60348 16011 52159 80616 55653 03649
84744 61262 60815 33663 67985 14862 78502 84710 64083 73829
85759 00933 40302 43524 95745 19979 66427
Attention, rpt msg, out

13424 kHz, 12-08/14-08, 0645 UTC
511/30 Attention
05747 61813 25794 58006 88790 95193 71711 50292 73395 34701
55751 36592 01006 80177 85794 29538 62690 46062 62192 85760
37823 57389 91569 85349 30570 25744 10037 37477 72376 77274
Attention, rpt msg, out

14769 kHz, 12-08, 0530 UTC
984/10 Attention
72323 52088 85365 37793 53881 31830 65273 67988 34693 21742
Attention, rpt msg, out

13722 kHz, 12-08, 1400 UTC
985/10 Attention
04904 91387 38483 95635 58913 37921 62163 01061 49751 13598
Attention, rpt msg, out

14518 kHz, 12-08, 1810 UTC
987/10 Attention
87181 65790 08652 30351 74940 98810 49564 49978 08761 88293
Attention, rpt msg, out

13424 kHz, 13-08/15-08, 0545 UTC
343/36 Attention
64280 31182 73866 59882 30573 57647 41705 21614 74678 66414
75898 78021 93119 89013 00709 00565 10592 43549 69552 52692
23315 47898 41306 65491 52799 91748 65814 37769 99074 02662
68769 55810 57328 54235 27289 03756
Attention, rpt msg, out

4909 kHz, 13-08/16-08, 1445 UTC
287/36 Attention
51019 10709 62536 56767 55756 64329 35468 91371 88599 73513
57419 75064 55965 05113 52603 07254 72069 09033 34379 97902
42754 24567 11551 37317 88713 96380 10161 22338 96228 52193
29442 38236 89378 23168 18680 43385
Attention, rpt msg, out

14865 kHz, 13-08/16-08, 1705 UTC
390/33 Attention
35292 08410 45263 60811 66520 87203 81845 40649 84610 26473
32439 05874 42138 11566 97563 53595 23391 84190 66678 18949
22149 29278 83198 07428 29674 79105 10252 46195 35189 40214
37823 90073 27882
Attention, rpt msg, out

16335 kHz, 13-08/14-08, 1155 UTC
710/36 Attention
86363 86938 21092 72196 62557 41046 79789 93309 66327 35680
44930 02296 12744 22826 34426 43676 14360 83384 51087 90820
62525 00860 79299 83380 73232 19369 61829 11649 44489 41063
33407 79050 17097 22786 18538 27160
Attention, rpt msg, out

16388 kHz, 15-08, 1110 UTC
954/31 Attention
22236 86270 80800 09278 42848 56406 59493 67572 21962 22887
67823 82656 37289 51925 01061 42642 15417 54652 76034 86751
22566 68719 81023 61213 96524 52336 13850 28642 45961 63629
54094
Attention, rpt msg, out

10487 kHz, 15-08, 1710 UTC
957/21 Attention
48943 09462 26511 28694 41279 71432 92034 10762 55723 05264
96777 93222 20661 08917 60435 45144 18861 43043 05149 21316
08475
Attention, rpt msg, out

13424 kHz, 14-08, 0645 UTC
511/32 Attention
25747 61813 25794 58006 88790 95193 71711 50292 73395 34701
55751 36592 01006 80177 85794 29538 62690 46062 62192 85760
37823 57389 91569 85349 30570 25744 10037 37477 72376 77274
Attention, rpt msg, out

14769 kHz, 16-08, 0530 UTC
981/10 Attention
10326 73122 58819 63324 83688 41387 40035 40685 88144 58376
Attention, rpt msg, out

13722 kHz, 16-08, 1400 UTC
980/10 Attention
47538 47157 17178 11672 12297 68708 01901 05447 30951 53747
Attention, rpt msg, out

14518 kHz, 16-08, 1810 UTC
982/10 Attention
73531 85291 29915 46393 84384 63006 14148 49439 49287 40561
Attention, rpt msg, out

16388 kHz, 18-08, 1110 UTC
952/34 Attention
02099 83383 80810 23769 26206 05664 86304 93712 36331 23821
11375 39324 95570 81160 36800 01773 85798 83001 11261 02711
48126 80869 24458 38837 76797 12651 09776 79744 49114 70028
63413 56302 56800 14380
Attention, rpt msg, out

10800 kHz, 18-08, 0450 UTC / 21-08, 1730 UTC
413/34 Attention
07907 03450 96792 59463 45228 71358 70318 12285 58985 09560
13892 93706 32583 45720 93322 15846 61500 64552 65620 83048
72906 04375 90234 41123 22771 19724 33781 09267 92304 67511
92378 89993 83594 45631
Attention, rpt msg, out

10487 kHz, 18-08, 1710 UTC
959/26 Attention
47511 41892 38132 06461 96701 70809 43643 08206 91093 48415
96391 15481 18762 29305 73986 13166 26566 95983 00282 14613
09371 70607 60279 59376 93431 23038
Attention, rpt msg, out

14769 kHz, 19-08, 0530 UTC
980/10 Attention
63304 95406 91675 13021 25582 71340 62965 32129 30104 68129
Attention, rpt msg, out

13908 kHz, 19-08/20-08, 1300 UTC
135/30 Attention
51883 08292 60280 81010 76841 34051 33488 11913 66318 47186
91195 73607 64837 04839 82054 92851 90918 81258 78911 06021
12616 26623 75145 06246 62041 01107 11987 21416 06157 38728
Attention, rpt msg, out

13722 kHz, 19-08, 1400 UTC
981/10 Attention
18105 75841 57747 06045 29396 86379 38181 12754 96033 03227
Attention, rpt msg, out

14518 kHz, 19-08, 1810 UTC
982/10 attention
02487 68829 52069 87148 81853 72294 05361 37203 42626 09117
Attention, rpt msg, out

14975 kHz, 20-08, 0805 UTC
311/00 Transmitter off at 08:05:29. Back at 08:06:27. Off at 08:07:27 and back after a few secs. Ends 08:08:25

15632 kHz, 19-08/21-08, 0745 UTC
333/34 Attention
99923 71424 39420 69842 63228 52235 48354 52432 44446 94680
79855 94878 23265 22337 14500 80501 56040 16383 26891 87102
89534 50815 74474 61250 08820 85673 56615 04724 40487 44622
24781 59849 20624 87377
Attention, rpt msg, out

10213 kHz, 20-08/21-08, 0930 UTC
276/36 Attention
52396 69623 77371 92538 23913 88665 58530 45052 28780 98291
27012 15673 18940 61902 08060 75384 99748 57961 24662 69004
04765 97374 80800 43255 78577 34418 84754 05463 20370 95711
47889 79233 96849 34410 03101 75027
Attention, rpt msg, out

16388 kHz, 22-08, 1110 UTC
957/32 Attention
86295 08336 85444 14117 85209 90344 78594 43635 52373 45610
33407 02693 46906 05159 92397 29311 19394 85677 08629 60883
66001 67468 18411 22270 69309 75757 84078 78062 71109 29415
32843 52922
Attention, rpt msg, out

10487 kHz, 22-08, 1710 UTC
955/25 Attention
49096 61652 98839 15385 75543 36025 18583 60730 49688 25275
91933 05006 37420 36706 20093 22119 42584 85285 95910 44517
41292 68759 51422 71223 36566
Attention, rpt msg, out

13722 kHz, 23-08, 1400 UTC
982/10 Attention
09442 15479 82702 92669 25990 35925 85523 47179 82505 85442
Attention, rpt msg, out

14769 kHz, 23-08, 0530 UTC
981/10 Attention
04283 02491 67400 13576 84313 49997 16143 32620 36710 89562
Attention, rpt msg, out

14518 kHz, 23-08, 1810 UTC
985/10 Attention
77832 30512 59002 50243 37860 44173 11881 47233 84424 69167
Attention, rpt msg, out

13427 kHz, 25-08/27-08, 0900 UTC
530/30 Attention
30818 18226 32853 37046 01067 69719 87995 03235 99364 88489
26963 52371 35576 53725 44083 85815 22339 96026 39628 71404
43307 86543 24973 95605 64903 11458 91405 68415 86531 22151
Attention, rpt msg, out

16388 kHz, 25-08, 1110 UTC
952/34 Attention
34183 54814 32268 68609 15634 58362 13358 16107 37806 83324
25088 67486 63388 54277 16560 32115 51717 41504 80247 39400
69274 40451 91723 24131 70703 89297 18722 22078 76552 67492
06812 45085 97714 69321
Attention, rpt msg, out

10487 kHz, 25-08, 1710 UTC
955/20 Attention
80398 31724 69754 67150 64749 13656 29684 26488 99309 26604
93447 65544 85389 38179 45621 33379 04393 95464 81373 66750
Attention, rpt msg, out

14753 kHz, 26-08/29-08, 0710 UTC
630/32 Attention
46482 99678 95158 58216 25655 93947 99013 76012 74761 37263
12982 72688 27155 77164 55830 81687 68825 26859 67411 32612
29152 15640 65907 17983 75789 86472 00785 75186 50552 74734
79538 98722
Attention, rpt msg, out

13873 kHz, 26-08, 1045 UTC / 8530 kHz, 29-08, 2000 UTC
573/31 Attention
67689 89413 94274 21618 53119 98140 54009 01285 53909 26945
03109 28352 19352 46947 69091 63357 40273 21947 01052 63165
16131 73371 80759 05443 99396 67255 91340 99794 90606 75504
47130
Attention, rpt msg, out

**E11a - 26 August 2014 - Tue - 05:30 - 14769 USB - 988/10 64087 10444
73618 15425 20711 78772 58517 28754 19458 29129**

13722 kHz, 26-08, 1400 UTC
984/10 Attention
72009 48553 60358 38942 24431 39914 69832 87335 67407 57124
Attention, rpt msg, out

14518 kHz, 26-08, 1810 UTC
987/10 Attention
78446 22627 35869 09137 48931 68946 88263 95433 86122 58646
Attention, rpt msg, out

8565 kHz, 27-08/28-08, 0315 UTC
256/34 Attention
17160 83893 33198 94053 90460 46216 17489 57134 50941 05564
78184 86187 03838 70832 84578 78453 13940 60446 67280 72754
52579 78138 64514 79348 81264 20269 90865 85430 75488 38699
50197 94445 79083 92498
Attention, rpt msg, out

16388 kHz, 29-08, 1110 UTC
954/34 Attention
35665 85599 51915 06374 00160 90858 86815 06672 79928 21325
15410 50023 31304 45713 90773 31802 96364 09575 22218 79090
31373 60778 67232 90150 35167 06078 74822 87331 17704 85825
59221 36526 29602 22071
Attention, rpt msg, out

9130 kHz, 30-08/31-08, 2005 UTC
369/37 Attention
09400 64698 76029 40391 26481 36958 22901 80702 58570 25208
34765 15855 49499 99854 94703 42151 28312 34466 16211 18293
36903 09491 80005 78515 64378 15656 77941 24897 65131 06148
61819 79353 48241 28449 01806 79321 22754
Attention, rpt msg, out

13722 kHz, 30-08, 1400 UTC
982/10 Attention
66839 25616 96084 03972 48280 82562 38214 71507 35113 24345
Attention, rpt msg, out

14769 kHz, 30-08, 0530 UTC
980/10 Attention
35469 79273 95035 42111 89295 82140 51531 83364 02084 02722
Attention, rpt msg, out

14518 kHz, 20-08, 1810 UTC
981/10 Attention
21026 95787 72440 00462 10696 28055 90461 09483 26203 50332
Attention, rpt msg, out

E17z

16780/12850 kHz, 07-08/14-08, 0800/0810 UTC
674 802 5
48304 33888 23754 97912 10870
802 5 00000

16780/12850 kHz, 21-08/28-08, 0800/0810 UTC
674 893 5
34596 91021 25046 58778 78626
893 5 00000

E25 / E25a

We haven't seen a report for E25 for quite a while, so thanks for the log, guys !!

9450 kHz, 23-08. 1214 UTC, E25a:
Enta Omri followed by 883 0 (1x) 830 1 (14x), Message (3x), Rebeat (3x), EOM, EOT

G06

6887 kHz, 14-08, 1830 UTC
842 931 20
06132 75514 79681 94217 21443 31441 81797 17512 62689 33103
48930 93432 25709 93628 48683 18809 85052 49870 63962 04884
842 931 00000

5943 kHz, 15-08, 1930 UTC, with error
218 (R) 377 377 20 20
37839 37839 35787 35787 98273 98273 82187 82187 16200 16200
95625 95625 31691 31691 52538 52538 61225 61225 22567 22 stopped

5943 kHz, 29-08, 1930 UTC
218 (R) 347 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
347 20 00000

S06s

Starting this month I will list S06s separately as it is not sure who is sending these messages. It is certain that the transmissions come from Ukraine but they still might originate from Russia. The format is the same as S06 and other Russian stations.

We copied a lot of messages. You can find them in the logs section. Some comments by Danix and Ary:

16320 kHz, 10-08, 0630 UTC
Extremely loud noise (70 kHz wide) during the startup of the transmitter at 0623 UTC, then just the carrier remained on the air with a test at 0624 UTC. The transmission in AM was extremely loud and over modulated. A recording is available on the N&O website.

14580 kHz, 20-08, 1000 UTC
Extremely loud noise (70 kHz wide) during the startup of the transmitter on 14580 kHz at 0948 UTC. The sound stopped, carrier still on at 0955 UTC. Test "729 729" at 0955 UTC. The transmission was in AM.

16380 kHz, 25-08, 0900 UTC
Again the very loud noisy startup of the transmitter on 16380 kHz, 25-08, 0900 UTC

11165/12530 kHz, 28-08, 0950/1000 UTC
Noisy overmodulated transmitter

Id 524 and Id 374:
The message on the 19th/26th is very popular:
* 2014-02-04/11, 07:00, 5250kHz: 374 928 5 88620 58069 61732 74537 57440
* 2014-03-03/10, 08:30, 9220kHz: 371 428 5 88610 58069 61732 74537 57440
* 2014-07-20/27, 06:30, 16320kHz: 524 896 7 88620 58069 61732 74537 57440 10597 23531
* 2014-08-19/26, 07:00, 5430kHz: 374 862 5 88620 58069 61732 74537 57440

Id 524:
Note the message from July - the group #7 differs by one digit from the message on 19th/26th. Same with group #1 in March.
The message on 5th/12th is a partial duplicate of June 25th/26th 0950/1000 UTC on 11165/12530 kHz:
635 284 10 20483 47292 38314 63370 76184 79445 71840 77398 81350 55579 284 10 00000

Id: 374

The message on 5th/12th was sent on E17z on April 17th/24th 0800/0810 UTC on 14260/12930 kHz:
674 820 5 42465 46683 90715 42738 80515 820 5 00000

Id 253:

The message on the 19th/26th is another popular one:
* 17 & 23 July, 1000, 14580 kHz: 729 814 5 20534 11160 43494 37538 16070 814 5 00000
* 18 & 25 August. 0830, 8221 kHz: 371 925 6 20534 11160 43494 37638 16070 48834 925 6 00000

Id 425:

First five groups on 21st/28th are from May 19th/26th 1200/1210 UTC on 10230/12165 kHz:
831 924 5 82232 11326 26585 43584 33291

_S11a_

18511 kHz, 04-08, 0715 UTC
385/35 Vnimanie
79973 16353 45409 07404 24280 01930 55725 26426 73540 85271
02583 39353 04103 92988 99099 64204 67006 50344 46869 47658
59801 93235 86709 04934 13987 27516 23548 45396 19103 98868
70162 60626 03802 81558 49042
Vnimanie, rpt msg, konets

16530 kHz, 25-08/28-08, 1015 UTC
471/33 Vnimanie
31017 23933 12457 55243 35280 98366 18110 27396 32471 30805
64082 31763 15987 62819 87546 97408 29468 01750 35617 28119
33595 05201 07077 81887 65166 70734 63976 77705 51648 53890
32813 73313 99997
Vnimanie, rpt msg, konets

11581 kHz, 12-08/15-08, 1020 UTC
424/36 Vnimanie
87496 61371 81259 31516 16875 57042 36560 74654 12976 63594
45663 77438 98720 61528 89542 76088 26174 40573 82801 25159
81340 40593 70344 96753 34397 21730 93815 59942 66167 04082
70530 63540 91088 07333 38119 63734
Vnimanie, rpt msg, konets

5815 kHz, 27-08/30-08, 1020 UTC
221/35 Vnimanie
85831 46647 31876 25801 40551 14177 35853 04517 56182 65800
92494 97878 83540 07652 15723 50524 54465 27624 06730 02504
27334 65416 74644 17674 02972 35287 90138 80243 59651 22189
74402 72408 92153 56548 64992
Vnimanie, rpt msg, konets

4870 kHz, 20-08/22-08, 1955 UTC
379/34 Vnimanie
68623 51846 78481 69283 25480 14150 37393 28830 38875 90007
24676 13187 67984 36559 39707 73196 96458 40547 00576 13066
27064 50949 36555 63086 08327 65052 24302 45678 34933 38988
70893 42542 54485 17414
Vnimanie, rpt msg, konets

S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

Frequency: 4625 kHz USB

03-08, 1324 UTC	MDZhB 56 561 PIRIDIN 63 67 24 68
11-08, 1142 UTC	MDZhB 21 595 TINKAL' 92 39 92 74
02-08, 1324 UTC	MDZhB 56 851 PIRIDIN 43 47 24 68
03-08, 1324 UTC	MDZhB 56 561 PIRIDIN 63 67 24 68
11-08, 1132 UTC	MDZhB 21 595 TINKAL' 92 39 92 74
11-08, 1142 UTC	MDZhB 67 542 SDANNYY 35 07 74 89
14-08, 1218 UTC	MDZhB 34 058 VATOA 09 04 95 67
14-08, 1340 UTC	MDZhB 79 975 RAZBURA 42 87 92 71 LATYSh 67 47 84 42 NATORChINA 28 62 63 36
14-08, 1343 UTC	MDZhB 08 138 UVIDENNYJ 66 59 64 20 KANGIL' 06 33 82 73 VALERON 23 96 75 14
14-08, 1419 UTC	MDZhB 66 965 POLYaROGRAF 23 45 02 17
18-08, 1302 UTC	MDZhB 63 227 ZAKADYChNYJ 94 74 40 52

S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

3756 kHz, 04-08, 1722 UTC	VCShchJ TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3
3756 kHz, 05-08, 1713 UTC	HCLF 61HZh ZBIL L7O5 V'Z' NLCE V3MZ SB7Z 8MUO TUZR
3756 kHz, 19-08, 1642 UTC	SB7Z 8MUO TUZR 5J7Shch 27Shch' NiDU 53OB 78MV 12CI 79AJ

S32 - Squeaky Wheel

Mode: USB
Frequencies: 3838 kHz (night), 5473 kHz (day)

5473 kHz, 01-08, 1530 UTC	ShTORA-62 YahTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26
3828 kHz, 02-08, 1827 UTC	ShTORA-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74
5473 kHz, 03-08, 1553 UTC	YaHTA-94 ShTORA-62 STAZhER-29 DUBLER-68 PENZA-07 FONTAN-34 DZhIGIT-46 UTES-94 SLIVA-94
3828 kHz, 19-08, 1743 UTC	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29 NEVKA-26

V02a
Dirección General de Inteligencia

Two unexpected V01a transmissions were reported by several dxers.

9040 kHz, 30-08, 0110 UTC	i.p. ends with Final Final Final
9040 kHz, 30-08, 0200 UTC	Atencion 14811 37232 41662. Stops after 5 minutes

V07

14823/13423/11523 kHz, 17-08, 0500/0520/0540 UTC
845 845 845 1 333 77
92034 90833 31109 90348 07409 92495 81449 38355 85141 71923
43372 42141 97851 71224 39539 35419 57339 52733 58550 73589
00599 33230 41087 94040 42071 93140 90502 37201 07703 83489
32328 33490 27572 31751 29552 53714 10322 94170 50338 35938
04953 99930 38339 17713 27301 13434 33598 47120 31387 25533
78753 03837 18900 90520 87077 48950 55955 52189 44585 15433
31043 91092 83335 03234 98555 88389 49029 37243 08527 70853
49823 14712 33353 05105 23314 94915 12243
000 000

V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Schedules per 1 July 2014

13750 kHz	0200-0230 kHz	New Star 1		15388 kHz	0800-0830 kHz	New Star 4
13750 kHz	0300-0330 kHz	New Star 1		9725 kHz	1200-1230 kHz	New Star 4
8300 kHz	0500-0530 kHz	New Star 3		9725 kHz	1300-1330 kHz	New Star 4
8300 kHz	0600-0630 kHz	New Star 3		Note: not all the skeds are always on the air		
15388 kHz	0700-0730 kHz	New Star 4				

V24

A note from Token re V24: *"V24 activity seems greatly reduced, I hope it is not going the way of M94. This month I monitored all time slots and all known V24 frequencies, attempting to update my V24 schedule. I found fewer transmissions this month than when I put together the current schedule. Since some V24 transmissions are tied to the month (some time slots are even months, other are odd months) the schedule cannot be close to complete until after monitoring 2 complete months of activity, I will put it out at the end of next month. I only copied 6 transmissions total for the month of August, 2014*

I did have more time this month to look for additional V24 frequencies, and did not locate one. Of course that does not mean there is not one, however I think it less likely now than before. Another note, I did not log a single transmission on the relatively new frequency of 5290 kHz."

V24 Logs: 6310 kHz, 1430z, August 5, 2014, Token, TUE
6215 kHz, 1330z, August 6, 2014, Token, WED
6310 kHz, 1430z, August 6, 2014, Token, WED
6310 kHz, 1430z, August 15, 2014, Token, FRI
6215 kHz, 1300z, August 26, 2014, Token, TUE
4900 kHz, 1530z, August 31, 2014, Token, SUN

VC01 - Chinese Robot
Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:
3036, 3749, 3837, 4075, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5592, 5700, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

frequency	Date	UTC	Day	remarks	mode
5802	10-8-2014	1445	Sun	Chinese Robot i.p.	LSB
5802	10-8-2014	1446	Sun	Chinese Robot i.p.	LSB
5802	12-8-2014	1201	Tue	Chinese Robot i.p.	LSB
5802	12-8-2014	1303	Tue	Chinese Robot i.p.	LSB
5802	13-8-2014	1204	Wed	Chinese Robot i.p.	LSB
4310	13-8-2014	1248	Wed	Chinese Robot i.p.	USB
5802	14-8-2014	1227	Thu	Chinese Robot i.p.	LSB
4310	14-8-2014	1304	Thu	Chinese Robot i.p.	USB
4310	14-8-2014	1409	Thu	Chinese Robot i.p.	USB
5802	14-8-2014	1409	Thu	Chinese Robot i.p.	LSB
4310	14-8-2014	1628	Thu	Chinese Robot i.p.	USB
5802	14-8-2014	1628	Thu	Chinese Robot i.p.	LSB
4310	15-8-2014	1127	Fri	Chinese Robot i.p.	USB
5802	15-8-2014	1127	Fri	Chinese Robot i.p.	LSB
5802	18-8-2014	1310	Mon	Chinese Robot i.p.	LSB
4310	18-8-2014	1311	Mon	Chinese Robot i.p.	USB
5802	20-8-2014	1309	Wed	Chinese Robot i.p.	LSB
4310	21-8-2014	1040	Thu	Chinese Robot i.p.	USB
4310	21-8-2014	1205	Thu	Chinese Robot i.p.	USB
4310	21-8-2014	1304	Thu	Chinese Robot i.p.	USB
5802	22-8-2014	1313	Fri	Chinese Robot i.p.	LSB
4310	22-8-2014	1440	Fri	Chinese Robot i.p.	USB
5802	23-8-2014	1158	Sat	Chinese Robot i.p.	LSB
4310	23-8-2014	1412	Sat	Chinese Robot i.p.	USB
5802	23-8-2014	1412	Sat	Chinese Robot i.p.	LSB
5802	23-8-2014	2207	Sat	Chinese Robot i.p.	LSB
4310	24-8-2014	1425	Sun	Chinese Robot i.p.	USB
5802	24-8-2014	1425	Sun	Chinese Robot i.p.	LSB
5802	25-8-2014	1201	Mon	Chinese Robot i.p.	LSB
5802	26-8-2014	1205	Tue	Chinese Robot i.p.	LSB
5802	29-8-2014	1158	Fri	Chinese Robot i.p.	LSB
5802	29-8-2014	1530	Fri	Chinese Robot i.p.	LSB
5802	30-8-2014	1530	Sat	Chinese Robot i.p.	LSB

MORSE STATIONS

An oldie to start with. The now defunct M29 was one of the first Morse numbers stations that I decoded with my Commodore 64 and SWL-decoder. This copy is from 17-2-1986, 2215 UTC on 4014 kHz.
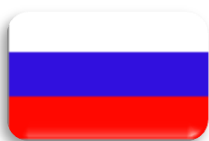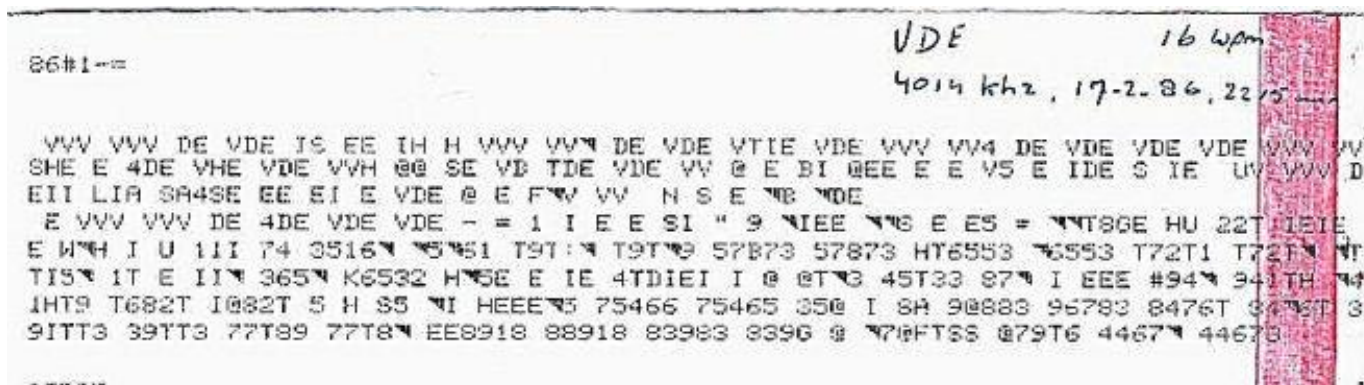
MX
Russian Military beacons

Current cluster frequencies:	Cluster beacon slots:
3594, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz	**.7 "D", Sevastopol**
	.8 "P", Kaliningrad
Other frequencies:	**.9 "S", Severomorsk**
L 6917.5, 8497.8 kHz	**.0 "C", Moscow**
V 3658, 4150, 6809, 6928, 7027.5 kHz	**.1 "A", Astrakhan**
R 4325.9, 5465.9 kHz (seldom reported these days)	**.2 "F", Vladivostok**
W 5835, 8112, 8162 kHz (Air Force)	**.3 "K", Petropavlovsk Kamchatskiy**
	.4 "M", Magadan

M01

M01, 10424 kHz, 01-08, 1355 UTC
710 (R4) 357 357 50 50 = =
65304 91003 70251 34281 22911 14725 60248 30986 47698 71485
16481 79601 23742 25825 24408 03890 86130 55735 43977 03165
20569 31311 50413 23065 59815 63273 80997 98250 02389 64019
16945 45874 86865 50169 24791 11037 87464 39149 45657 62936
94558 63864 99481 80782 84540 96442 66810 65151 28996 44421
= = 357 357 50 50 000

M01, 4904 kHz, 19-08, 2000 UTC
025 076 076 30 30
35978 43109 99946 41647 70029 18989 12742 73455 79646 07141
22138 44530 17206 85440 39115 85889 82667 76451 84429 71882
50601 03123 52052 35451 41572 82567 38426 57354 11542 16204
= = 076 076 30 30 0 0 0

Missing BT's at the beginning.

M01, 5280 kHz, 21-08, 1800 UTC
025 338 338 30 30 = =
70792 47797 09721 44455 25038 37019 88233 21049 07440 78949
21559 56003 87242 61688 99539 88244 62946 40991 40838 19546
29525 36403 11950 48438 26609 79566 24792 52226 76759 09192
= = 338 338 30 30 0 0 0

M01, 4905 kHz, 21-08, 2000 UTC
025 (R4) 774 774 30 30 = =
26810 26810 61507 61507 92101 92101 86634 86634 08432 08432
77099 77099 68161 68161 14074 14074 80805 80805 25288 25288
11009 11009 60893 60893 62777 62777 11995 11995 69923 69923
72061 72061 07328 07328 60779 60779 47791 47791 33688 33688
97046 97046 03725 03725 75749 75749 92270 92270 13323 13323
46710 46710 80942 80942 68927 68927 98252 98252 11599 11599
= = 774 774 30 30 000

M01, 6435 kHz, 23-08, 1500 UTC
025 (R4) 127 127 30 30 = =
70792 70792 47397 47397 09721 09721 44455 44455 25038 25038
37019 37019 88233 88233 21049 21049 07440 07440 78949 78949
21559 21559 56003 56003 87242 87242 61688 61688 99539 99539
88246 88246 52946 52946 40991 40991 40838 40838 19541 19541
29525 29525 36403 36403 11950 11950 48438 48438 26609 26609
79566 79566 24798 24798 22265 22265 76759 76759 09192 09192
= = 127 127 30 30 000

M01, 6780 kHz, 24-08, 0700 UTC
025 512 512 30 30 = =
26010 61507 92101 86634 08432 77099 58161 14074 80805 25288
19009 60893 62777 11995 69923 72061 07328 60779 47791 33688
97046 03725 75749 92270 13323 46710 80942 58927 98262 11599
= = 512 512 30 30 0 0 0

In the first few seconds from the callup, it suddenly went from very fast to slow speed.
Note that the message is almost identical to the one sent on August 21st at 20:00.

M01, 4905 kHz, 28-08, 2000 UTC with many mistakes. Recording on the N&O website
025 313 313 30 30 = =
94020 94020 61064 61064 47604 47604 35157 35157 33439 33439
84691 84691 58861 58861 11524 11524 83441 83441 29407 29407
08984 08984 85971 85971 03352 052 881 8881 9777 977 943425
30590 268238 6805 6051111 111 42 472 40992 4023538 3533 80
5803 4670 4020000 20048186818 38 93888 4909551 5518
= = 313 33 30 0 0   0

M01b, 5075//5465 kHz, 01-08/08-08/15-08, 1902 UTC
336 320 320 30 30 = =
86183 82219 53101 86*35*7 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83*54*9 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000

M01b, 4895//5340 kHz, 01-08, 2010 UTC
467 320 320 30 30 = =
86183 82219 53101 86357 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83549 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000

M01b, 5125//5735 kHz, 04-08/11-08, 1810 UTC
364 320 320 30 30 = =
86183 82219 53101 86357 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83549 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000

M01b, 5150//5475 kHz, 04-08/11-08, 1915 UTC
858 320 320 30 30 = =
86183 82219 53101 86357 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83549 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000

M01b, 5095//5760 kHz, 07-08/14-08, 1832 UTC
815 320 320 30 30 = =
86183 82219 53101 86357 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83549 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000

M01b, 5805//5065 kHz, 07-08/14-08/28-08, 1940 UTC
936 117 117 30 30 = =
86183 86183 82219 82219 53101 53101 86537 86537 83420 83420
30814 30814 94418 94418 18377 18377 24161 24161 45187 45187
04268 04268 86291 86291 07411 07411 52573 52573 08759 08759
75217 75217 23082 23082 45229 45229 25903 25903 65071 65071
14638 14638 93440 93440 83559 83459 42713 42713 20062 20062
76014 76014 79958 79958 82497 82497 49475 49475 57346 57346
= = 117 117 30 30 000

M01b, 4895//5340 kHz, 08-08/15-08, 2010 UTC
467 320 320 30 30 = =
86183 82219 53101 86357 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83549 42713 20062 76014 77995 82497 49475 57346
= = 320 320 30 30 000
Windows XP shutdown sound

M01b, 5125//5735 kHz, 18-08/25-08, 1810 UTC
364 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

M01b, 5150//5475 kHz, 18-08/25-08, 1915 UTC
858 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

M01b, 5095//5760 kHz, 21-08/28-08, 1832 UTC
815 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

M01b, 5065//5805 kHz, 21-08/28-08, 1940 UTC
936 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

M01b, 5075//5465 kHz, 22-08/29-08, 1902 UTC
336 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

M01b, 4895//5340 kHz, 22-08/29-08, 2010 UTC
467 117 117 30 30 = =
86183 82219 53101 86537 83420 30814 94418 18377 24161 45187
04268 86291 07411 52573 08759 75217 23082 45229 25903 65071
14638 93440 83459 42713 20062 76014 77995 82497 49475 57346
= = 117 117 30 30 000

Note extreme similarity of these two messages: 320 320 30 30 = = and 117 117 30 30 = =

Recording of M01b with Windows XP shutdown on August 15th (at 14:05):
http://priyom.org/media/123008/m01b-5465usb-20140815-2010z-msg-winxp-bydanix.ogg

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M03

7837 kHz, 06-08/07-08, 1115 UTC
655/32 = =
08711 08711 11761 11761 87269 87269 91467 91467 49780 49780
29161 29161 86894 86894 57088 57088 23486 23486 95258 95258
29141 29141 50042 50042 69588 69588 35779 35779 11503 11503
18155 18155 52741 52741 69413 69413 20176 20176 30218 30218
70567 70567 57352 57352 91640 91640 17235 17235 51501 51501
71429 71429 62975 62975 42171 42171 79006 79006 63578 63578
89927 89927 99330 99330 = =
655/32 655/32 655/32 655/32 655/32 = =
08711 11761 87269 91467 49780 29161 86894 57088 23486 95258
29141 50042 69588 35779 11503 18155 52741 69413 20176 30218
70567 57352 91640 17235 51501 71429 62975 42171 79006 63578
89927 99330 = =
000

7837 Hz, 20-08, 1115 UTC. Transcript of a complete null transmission.
650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00
650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00 650/00
650/00 = = 000

7727 kHz, 18-08, 1320 UTC *) / 7727 kHz, 20-08, 1320 UTC
544/33 = =
16788 16788 58171 58171 36554 36554 35648 35648 07447 07447
58277 58277 51420 51420 62727 62727 33252 33252 63613 63613
70092 70092 81757 81757 43071 43071 02594 02594 04357 04357
43615 43615 39955 39955 03765 03765 07401 07401 75112 75112
84310 84310 07998 07998 61622 61622 68398 68398 79568 79568
52244 52244 96563 96563 91992 91992 35597 35597 67198 67198
12014 12014 19853 19853 21172 21172 = =
544/33 544/33 544/33 544/33 544/33 = =
16788 58171 36554 35648 07447 58277 51420 62727 33252 63613
70092 81757 43071 02594 04357 43615 39955 03765 07401 75112
84310 07998 61622 68398 79568 52244 96563 91992 35597 67198
12014 19853 21172 =
000

*) Note: The callup lasted ca 4 minutes and 50 seconds. Usually it is 3 minutes and 20 seconds.

6524 kHz, 19-08/23-08, 1535 UTC
VVV VVV 797/31 = =
44386 44386 39899 39899 55756 55756 06447 06447 42884 42884
75179 75179 05909 05909 31579 31579 28780 28780 40710 40710
67888 67888 25316 25316 63404 63404 75347 75347 39268 39268
63893 63893 55335 55335 88079 88079 14816 14816 55276 55276
08664 08664 25261 25261 68425 68425 15003 15003 11690 11690
61909 61909 58967 58967 58711 58711 93239 93239 10095 10095
78022 78022 = =
797/31 797/31 797/31 797/31 797/31 = =
44386 39899 55756 06447 42884 75179 05909 31579 28780 40710
67888 25316 63404 75347 39268 63893 55335 88079 14816 55276
08664 25261 68425 15003 11690 61909 58967 58711 93239 10095
78022 = =
000

Note: 23-08, after sending VVV VVV another station 1kHz up came up and sent ???

M08a
Dirección General de Inteligencia

8096	6-8-2014	1420	Wed	Cuban cut nbrs
8096	7-8-2014	1404	Thu	Cuban cut nbrs
7554	7-8-2014	2014	Thu	Cuban cut nbrs WGWIN =
8135	7-8-2014	2316	Thu	Cuban cut nbrs
7554	8-8-2014	2020	Fri	Cuban cut nbrs
8135	8-8-2014	2305	Fri	Cuban cut nbrs
7554	10-8-2014	2005	Sun	Cuban cut nbrs
8135	10-8-2014	2302	Sun	Cuban cut nbrs Should be on 8009 kHz.
7554	11-8-2014	2004	Mon	Cuban cut nbrs
8096	12-8-2014	1403	Tue	Cuban cut nbrs
7554	12-8-2014	2029	Tue	Cuban cut nbrs
8135	12-8-2014	2301	Tue	Cuban cut nbrs
8096	13-8-2014	1403	Wed	Cuban cut nbrs
7054	13-8-2014	2004	Wed	Cuban cut nbrs

8009	13-8-2014	2300	Wed	Cuban cut nbrs. NGNGN DNWNA UWTUN
8096	14-8-2014	1402	Thu	Cuban cut nbrs
7554	14-8-2014	2000	Thu	Cuban cut nbrs IDDDA GRRWN TGTTGN
7554	15-8-2014	2051	Fri	Tuned xmtr at 2024z. Nothing more heard
8135	15-8-2014	2300	Fri	Cuban cut nbrs: UNRRA WWTGN RGDNA
8096	16-8-2014	1404	Sat	Cuban cut nbrs: AGNRN NNWTA DWTNN
7554	16-8-2014	2016	Sat	Cuban cut nbrs
8009	16-8-2014	2309	Sat	Cuban cut nbrs. Should be on 8135 kHz
8095.7	17-8-2014	1400	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN. Off freq.
8135	17-8-2014	2309	Sun	Cuban cut nbrs. Should be on 8009 kHz
8009	20-8-2014	2311	Wed	Cuban cut nbrs
7554	21-8-2014	2010	Thu	Cuban cut nbrs
8135	22-8-2014	2315	Fri	Cuban cut nbrs
8009	25-8-2014	2307	Mon	Cuban cut nbrs
8135	26-8-2014	2305	Tue	Cuban cut nbrs
8096	27-8-2014	1403	Wed	Cubans cut nbrs
8135	28-8-2014	2303	Thu	Cuban cut nbrs
8096	29-8-2014	1416	Fri	Cuban cut nbrs
7554	29-8-2014	2001	Fri	Cuban cut nbrs GGIDA TNNWN RIAGA
7554	31-8-2014	2000	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN
8135	31-8-2014	2305	Sun	Cuban cut nbrs

M12

8047/6802/5788 kHz, 06-08, 1700/1720/1750 UTC
463 1 2526 49
23235 87253 99929 62173 81712 54525 24641 79945 77284 95217
77560 75468 29061 50282 97810 35093 35419 17030 78830 80494
50426 66449 95290 75358 78145 93872 77894 04725 10165 77985
30777 46246 34528 68768 07685 71122 75311 09113 90003 58706
50354 03660 83555 21814 39577 38042 44870 08612 90626
000 000

11435/10598/9327 kHz, 11-08, 1600/1620/1640 UTC
938 1 9468 100
10672 38444 47546 30034 15907 59972 13413 57692 37216 75867
53320 74758 42006 42463 95386 19232 30465 80416 06334 76764
67686 72085 48233 62463 08722 65057 56503 13358 46377 04951
28562 38238 56682 26867 70013 35285 29303 89011 03296 69613
81545 72259 32408 45862 11244 29742 62242 79248 36925 79005
05730 95983 63462 90981 83706 70343 61860 62490 16788 18185
59306 86303 90871 42800 72419 75864 89348 66417 70801 59438
92233 58177 24722 89609 81912 05433 26703 78549 87565 50567
21635 22178 00749 88113 88332 49615 46625 26934 24877 88485
52468 37087 38200 94075 38237 69741 47299 85569 05071 93793
000 000

8047/6802/5788 kHz, 11-08, 1700/1720/1740 UTC

463 1 8812 143

29968 86551 64109 63749 10259 39087 64057 13525 40886 23385
91393 13388 35228 09785 46986 94244 00134 88316 73204 15664
26276 80005 62447 14501 31849 89444 82379 16350 49607 47830
05914 12491 06527 71830 27562 36365 56758 56652 06940 90243
82803 32895 28797 64017 18756 58942 08124 95556 32631 13302
22766 69250 72512 21708 49072 43364 43067 76087 19498 92868
48485 52483 88574 03915 08752 65384 70378 81594 41735 37220
89647 06490 53341 89000 54483 78831 59444 07566 46059 34066
14612 14101 19910 66832 48335 94553 00615 67760 29962 12329
15866 78285 86140 40007 76436 38434 81478 10227 40122 65772
93316 84850 76836 07011 59410 76864 78086 61857 77228 70305
76365 03191 15410 46790 35041 95404 57017 11055 26045 83492
35745 04300 84970 43246 75064 81848 56650 16788 65509 78711
26946 57169 26280 46800 48361 18944 40760 38566 97696 80119
17876 42837 21034

000 000

9176/7931/6904 kHz, 11-08, 1800/1820/1840 UTC

257 1 6605 54

66140 99229 04119 ?6422 31511 14343 88361 01253 39250 58737
21911 47107 67203 16558 74732 04957 46656 34551 58129 73394
82032 92614 48311 73501 39210 89969 98194 51040 83960 60106
39525 66285 60136 55877 32328 73270 37060 08510 08814 89692
69055 91350 34777 89459 78266 66008 39840 72776 36459 87926
76913 49595 99086 66643

000 000

9176/7931/6904 kHz, 11-08, 1900/1920/1940 UTC

257 1 2451 109

94421 75495 90705 04685 28776 37310 98930 74905 29794 70059
14269 43127 66399 45507 04124 16942 70008 77921 96441 96655
70785 66827 25123 53661 99961 46234 83845 63744 54050 12191
16521 63435 70874 40902 71013 56386 27234 53475 07704 06396
35809 88836 89117 69898 80433 23924 04052 59025 12266 37876
38094 75925 26143 85003 28289 13853 00805 89636 82412 46091
07193 33606 76051 40427 17033 17585 39292 87574 22698 72612
28289 77030 28950 75944 48850 99049 86547 49302 32886 02841
20396 67437 62808 25965 64649 71381 23666 77081 69694 84144
60811 26502 71018 07875 39416 70682 01232 17474 11233 73638
39815 40527 86291 02114 19921 38514 33730 21728 28741

000 000

10343/9264/8116 kHz, 12-08, 1830/1850/1910 UTC

124 1 5910 51

42193 33917 04729 70264 18364 57834 12237 10627 50006 76406
57342 51898 27499 45983 51371 00553 89157 02336 27912 57410
56536 65857 23800 21615 55431 66287 69586 51178 72527 96378
47714 81588 35621 23612 10815 02339 74511 40409 95334 55147
71593 71545 79476 95477 03978 18120 00942 34703 06685 01539
79523

000 000

11435/10598/9327 kHz, 13-08, 1830/1850/1910 UTC
938 1 3851 53
21224 98077 56214 45834 99349 19411 03776 50824 41883 37130
60737 63985 05925 65403 62020 36179 97419 77195 28493 86826
74445 69564 61928 22301 68724 67087 45912 68651 37080 93127
27292 89526 27785 00116 09718 48864 70556 24793 61502 77390
75665 40353 92259 84962 92524 60123 88263 59898 48589 16631
10591 99329 52399
000 000

8123/6923/5823 kHz, 13-08, 2120/2120/2140 UTC
198 1 9864 107
94500 61636 04303 05312 09793 21781 42143 06169 98199 26085
53551 82972 69142 42621 68956 09274 34006 18621 47221 17440
13668 57547 65794 43342 89972 46443 40599 57802 70353 09236
33797 81902 16324 76703 47207 25302 68411 46506 63003 98688
03410 13927 73208 27308 81669 23035 70939 33811 76358 80953
01679 08853 30782 64146 81425 76202 59218 19308 02655 15584
20294 39251 97386 6*585 98470 06224 35672 45810 21765 78023
96546 91219 02665 97317 47336 57337 60606 89011 38520 17223
*3283 43660 23399 62199 99220 87790 74750 08525 09567 22522
82330 48925 24270 61476 10270 85385 50245 62158 52933 70325
63374 94308 62126 08684 52041 08513 42028
000 000

Something unusual happened during the second transmission. Danix reports *"The 21:00 transmission went fine. The 21:20 transmission failed at 21:26. First the audio went lower in volume, then stopped completely. At 21:29, op chatter in Russian started on 6922 USB. From what I understood, someone was mad at his operatives and ordered them to get back to work. M12 didn't come back on 6923 CW, but went up as normal at 21:40 on 5823 CW, while the op chatter continued.*

When I heard the chatter, I started recording. Long periods of silence were removed.
http://priyom.org/media/122471/m12opchatter-6922usb-20140813-2129z-wow-bydanix.ogg "

10343 kHz, 14-08, 1800 UTC
124 1 6475 102
53638 84031 28512 54684 12447 69983 08039 57036 48451 39694
66110 28664 28001 83859 45844 95177 54483 28142 78937 16899
73437 40212 35931 27572 91949 95870 64732 93825 02567 92645
91751 14100 34053 38626 83008 59373 07644 48155 53283 25864
18411 84902 35258 56660 73107 48767 46998 76597 90328 72242
47931 99084 57896 72511 93583 71179 71829 869 21 61215 77153
14257 02979 05169 28348 71088 69855 39161 79806 36545 08306
13805 43321 72378 72019 99542 09809 53726 62625 65952 90884
34397 98816 94471 27206 15876 93419 23457 79521 34972 96634
70839 09988 85980 83801 24271 76459 78588 94244 70166 73016
40101 32299
000 000

9176/7931/6904 kHz, 14-08, 1700/1720/1740 UTC
257 1 8672 63
00918 40168 58329 74442 78727 70595 85434 08389 49758 22905
52991 35038 61142 16546 92373 74323 90838 96085 09615 13365
29277 57135 19082 21231 57894 48710 26876 05024 16552 67941
44278 68778 94092 89289 21233 51372 12496 36699 73142 06128
81474 13019 10517 35411 71967 96899 30956 87832 81071 91228
58778 36731 34960 63399 31989 06011 45328 99179 88668 59174
16527 03503 05582
000 000

13386/12189/11491 kHz, 14-08, 1600/1620/1640 UTC

725 1 2717 107

69736 11126 43972 69337 94066 53270 01225 34619 00881 22478
89200 56005 33507 32282 37886 68825 67129 29762 89490 62146
00005 41133 18580 78688 49028 40546 52730 05009 35324 86134
35002 69324 73658 46069 70379 14949 59885 30596 63223 98543
56532 87926 83561 24956 75716 72920 92945 68843 27723 65710
54519 56939 77926 60311 15217 40939 33914 59347 97157 44727
91433 42872 28209 71904 19626 88101 55400 31844 12733 40131
31524 84115 27182 45743 79355 05626 87813 72761 08098 61087
74947 59794 81871 29853 17627 46768 06103 94693 14650 20814
90717 45331 07655 56429 97152 36611 70889 33370 00804 99520
88172 39491 74265 97452 54521 52569 64712
000 000

10343/9264/8116 kHz, 14-08, 1700/1720/1740 UTC

124 1 6457 154

81792 04497 05300 73566 93420 04946 03114 23587 27238 90855
50486 02290 73766 84655 19444 30507 77413 61680 82210 26725
15054 57848 51297 69552 79038 31017 96352 65309 15233 11739
94141 86731 77211 56181 16405 03015 39309 78914 52955 89040
87393 75209 02097 91566 59803 86362 68360 13545 29472 91588
33342 75443 62380 47707 91106 70905 36752 17739 20352 84728
55769 56300 68145 00916 73918 37656 91156 76736 6??08 23161
33484 63173 34530 32682 76709 83013 06765 64330 00773 44705
63841 12478 10630 22922 90544 73605 64739 64876 95065 27780
02763 89692 19389 80996 71489 98859 84102 60697 37677 12906
22805 54973 20687 84102 17713 01178 88913 28359 80098 18432
62587 65453 83602 59088 31385 94006 04924 68114 72108 04439
82956 10712 24554 75906 11341 94810 54395 42874 89239 18098
68233 63908 86088 87408 78?94 42150 54721 70526 21229 26032
01242 53986 97705 46774 25652 14119 22652 47942 46582 96441
52309 56913 23997 39620
000 000

10343/9264/8116 kHz, 14-08, 1800/1820/1840 UTC

124 1 6475 102

53638 84031 28512 54684 12447 69983 08039 57036 48451 39696
66110 28664 28001 83859 45844 95177 54483 28142 78937 16899
73437 40212 35931 27572 91949 95870 64732 93825 02567 92645
91751 14100 34053 38626 83008 59373 07644 48155 53283 25864
18411 84902 35258 56660 73107 48767 46998 76597 90328 72242
47931 99084 57896 72511 93583 711?9 71829 86921 61215 77153
14257 02979 05169 28348 71088 69855 39161 79806 36545 08306
13805 43321 72378 72019 99542 09809 53726 62625 65952 90884
34397 98816 94471 27206 15876 93419 23457 79521 34972 96634
70839 09988 85980 83801 24271 76459 78588 94244 70166 73016
40101 32299
000 000

9176/7931/6904 kHz, 14-08, 1900/1920/1940 UTC

257 1 9960 46

81766 24837 75154 46904 22731 75990 25985 25568 35661 26174
98738 50139 86099 75702 01705 92608 16635 11528 20671 43595
86805 78871 67393 86863 60596 97794 82329 98281 81293 68915
54211 02450 08708 22123 70221 66538 01058 03784 85666 75229
60836 92162 77462 92324 01014 38507
000 000

9167/10267/11567 kHz, 16-08, 0500/0520/0540 UTC

125 1 9864 107

94500 61636 04303 05312 09793 21781 42143 06169 98199 26085
53551 82972 69142 42621 68956 09274 34006 18621 47221 17440
13668 57547 65794 43342 89972 46443 40599 57802 70353 09236
33797 81902 16324 76703 47207 25302 68411 46506 63003 98688
03410 13927 73208 27308 81669 23035 70939 33811 76358 80953
01679 08853 30782 64146 81425 76202 59218 19308 02655 15584
20294 39251 97386 6?585 98470 06224 35672 45810 21765 78023
96546 91219 02665 97317 47336 57337 60606 89011 38520 17223
?3283 43660 23399 62199 99220 87790 74750 08525 09567 22522
82330 48925 24270 61476 10270 85385 50245 62158 52933 70325
63374 94308 62126 08684 52041 08513 42028

000 000

11435/10598 kHz, 18-08, 1600/1620 UTC

938 193 3246 113

64117 88170 46905 26309 34978 98181 27093 71356 63329 52062
55759 32319 71037 19175 89314 39512 02442 75294 80259 33270
40804 82018 21038 34006 17331 58925 34052 45624 85705 18702
32075 64339 99436 54741 21019 44931 11530 95253 00197 99725
82939 24961 38561 05872 84056 26547 56679 37069 85420 71048
26269 65681 01943 74276 88463 83234 51482 46792 21599 60741
08877 87487 24710 53635 85497 96793 91478 23972 46403 19333
74824 12385 87999 62767 14968 17034 61052 41372 77735 05195
33424 58241 72611 19312 19701 56673 84337 41991 99540 70600
09886 57638 43231 49015 60755 95256 58909 70518 61725 48763
93031 64082 76426 42672 19293 81880 46393 55434 60806 13462
65011 46573 68568

000 000

8047/6802 kHz, 18-08, 1700/1720 UTC

463 1 1600 149

79487 82028 45868 29499 64610 74987 70407 85898 64035 93229
33858 78692 04161 85924 28877 60333 00202 17503 45854 01821
44908 66537 62730 38441 63601 53953 85502 99152 82910 12069
73446 55249 19427 55491 29839 87245 11938 33904 50326 42905
52742 80924 39162 20125 64304 27396 34121 03390 78075 78142
79717 77392 84023 26645 19131 94158 85505 84624 41850 67868
98945 10098 40682 59218 60938 46188 89568 04582 33443 39204
70800 12633 46960 01946 66247 66765 25626 53504 70593 08299
55832 99791 36389 88265 51513 77040 51333 88257 64859 99658
17532 19221 09004 53647 96236 59006 59197 07081 08747 66156
16488 99880 07631 48675 48749 95759 64573 25112 40000 77947
92506 21725 55096 91828 15216 58987 02831 56403 10760 39720
28250 67635 12102 92996 92819 16645 94628 01674 78827 62395
85415 08264 71373 37500 79471 20268 75030 72490 19788 92573
87613 49200 29090 22014 76005 93274 10879 31839 20382

000 000

9176/7931/6904 kHz, 18-08, 1800/1820/1840 UTC

257 1 9115 45

41857 39371 63872 06115 64740 35338 11360 32649 54309 62577
90278 90918 86388 60780 56372 59491 21276 65371 59589 03094
83259 84028 64272 82912 28339 40124 65290 69567 05236 72191
36881 39046 81390 08974 59445 40929 51539 47761 99399 19957
87982 45222 69529 32390 54283

000 000

9176/7931/6904 kHz, 1900/1920/1940 UTC

257 1 2804 107

04894 44650 92793 84279 48239 80738 33091 89643 48995 28497
10846 13426 08660 30389 87827 46837 30358 61396 65955 26508
94601 55252 48575 86936 83931 16982 37916 56733 11491 77638
10970 94320 62554 96647 18789 94976 31495 48701 66120 89674
79132 80648 10039 36809 68690 04693 51012 32254 13297 91841
04394 45006 97108 81290 87739 38200 39590 09842 88297 35771
71641 92645 36464 65171 29273 16264 05694 11965 41677 58208
91160 34452 22997 51550 97241 82290 77541 94215 75425 57609
41399 74464 59230 91148 67435 97315 77034 81723 49375 74326
92873 14410 50988 23508 42934 09677 00732 63191 53982 03466
15284 54314 71925 20516 67802 22933 18210

000 000

10343/9264/8116 kHz, 19-08, 1830/1850/1910 UTC

124 1 3343 65

15548 57514 45862 94501 91939 30360 38130 67524 47522 67301
45928 21526 61875 80615 61705 92994 36767 73140 87581 52050
84018 34876 83055 41681 97056 29328 52700 97284 07738 90499
43486 68222 97694 95964 87702 96794 98076 87681 70521 57006
50292 66826 91502 01281 37184 43405 79419 05692 24706 77685
66170 14694 33415 32957 64218 70242 35015 67397 5?618 38972
87984 47171 11972 97078 23742

000 000

8047/6802/5788 kHz, 20-08, 1700/1720/1740 UTC

463 1 6905 69

57904 70083 98984 55281 36881 05735 18249 29535 71418 70728
67686 58305 78821 29512 31570 40587 88056 81253 24424 57324
93301 60097 33806 85941 42825 21925 79145 89340 07636 77795
39612 07604 90233 20576 19079 65202 40894 51331 58444 13823
99870 90286 86173 36801 34081 69135 62592 24676 41274 74878
79729 40905 27157 54680 53460 15339 49575 85992 47930 14493
20467 61599 29917 44584 23041 51834 34628 32195 51818

000 000

13369/12179/10469 kHz, 20-08/23-08, 2110/2130/2150 UTC

314 1 400 135

94189 50577 54627 21788 45005 80638 23890 71287 63837 79073
30696 96217 76446 64624 81524 64102 69307 77725 51874 16161
81372 09724 45870 62138 87786 34046 38050 68225 33378 51247
58335 15496 47118 28753 75598 09724 39288 33504 69482 36418
45806 75808 45637 25656 99795 91614 17419 46018 85447 12713
29964 40593 60259 64052 03462 81100 79169 49547 00989 36718
96784 65581 48037 75651 87966 95127 37730 57644 58066 12598
51942 49751 90164 67606 56629 82801 92913 29223 06753 09485
98553 83919 04700 23105 19775 59870 04859 41867 89521 72278
03966 82217 77843 51397 57928 50634 13845 89017 92033 98901
36054 00202 69781 98389 28098 22686 46261 57595 60038 03450
37130 38595 03707 55411 53169 42294 47600 52281 02179 63925
30259 86369 39509 93024 07734 15838 83524 02363 63364 44328
06213 80213 57890 40082 09570

000 000

11435/10598/9327 kHz, 20-08, 1830/1850/1910 UTC

938 1 3219 67

79555 86918 94462 63373 02038 69570 80652 92316 44006 28001
91591 24586 83289 94417 18605 28537 92135 23601 94641 77363
83101 84717 83757 29239 71483 40012 69733 41985 14851 11912
59049 32116 65490 75239 61844 62065 26910 80309 04250 71668
70507 80203 71486 99406 05829 39227 24412 73759 51043 71832
14879 32647 38660 38971 62371 05149 56949 26109 63431 50979
36740 39434 33508 73477 90800 18204 87076
000 000

14468/13568/12178 kHz, 21-08/23-08, 1310/1330/1350 UTC

451 1 1883 167

17437 08667 35302 21161 62714 53093 41690 87627 91949 00596
87836 93455 74491 82300 08818 65607 80141 75774 29695 67658
63388 01082 05068 38746 44681 26888 56354 69525 14263 74934
40614 04088 56060 02452 05531 36695 00985 76946 87597 31820
84052 95474 61486 22822 90053 95109 53846 41975 52467 60481
98274 24742 77768 06960 57585 74559 75035 51584 33366 92435
12458 44220 03752 08326 52268 65869 43362 14735 33660 67968
64122 10088 18422 24717 09236 40976 34515 43399 20338 75209
35828 60456 80441 92910 92945 39013 23560 73457 33379 95312
77975 36496 69739 40655 73876 77722 43766 30301 28103 37832
61897 84191 70014 05718 67389 41984 70108 43619 83723 88680
75065 29503 84227 57625 13081 48162 50354 90801 11861 33343
07253 25411 20202 07113 13161 73632 67204 61449 28689 75205
14417 18371 85185 41222 65440 63477 37418 19117 58804 90023
66089 73781 31375 30200 66436 64375 69835 53560 43359 47844
65210 49178 21148 53675 57199 55984 72934 40002 27396 42379
66264 52259 55361 84402 85140 68472 58891
000 000

12198/11491 kHz, 21-08, 1620/1640 UTC

725 1 6474 100

84746 59732 10808 85069 97569 89707 86972 36112 09477 45445
43161 95809 33595 14497 32310 25139 96389 40130 62419 25624
56660 35634 55005 95972 11921 05952 11139 83030 99080 07139
95213 32737 22580 27608 79762 91500 23771 57082 16412 54668
88328 33632 75915 51445 16042 00632 47189 95169 18559 88006
45017 77529 12926 65480 18678 01148 58712 05450 87129 75765
71737 03566 03619 51189 79058 94123 13915 19587 83388 74393
45647 23597 16675 48689 61226 44844 95245 60130 22392 96872
03438 06297 05687 62969 65877 23017 64335 60408 27484 61287
77937 94760 93984 05639 20883 13668 35128 84039 47080 75924
000 000

9176/7931/6904 kHz, 21-08, 1700/1720/1740 UTC

257 1 5418 84

65051 02185 08195 28974 35910 81074 51677 27034 97076 27703
07702 91735 59640 75224 30504 86701 27517 68415 63835 53878
23028 58974 10712 0370z 71561 42701 22105 06347 55161 94558
26594 87466 27850 02043 2h034 93293 46981 84561 63274 64676
50388 06595 90394 61628 88376 75170 97745 54455 10619 72785
36238 75604 62673 01601 50278 24946 34456 84453 49269 75837
00185 14199 28457 48193 12590 26341 85873 60548 38805 27214
58598 48487 00667 90467 39807 85551 06846 09632 02321 67317
08783 79911 17114 49011
000 000

10343/9264/8116 kHz, 21-08, 1700/1720/1740 UTC

124 1 1940 153

64613 85570 14003 12222 25572 27420 05099 71974 36379 76605
35351 31225 12400 06636 18835 75560 23983 38063 27360 47037
16815 82786 41217 00729 29507 85540 11569 68118 41852 34021
91869 23418 11126 23625 99977 27326 74209 48333 60049 31965
70976 64003 96925 64370 78770 00451 70565 60869 65060 68492
49360 54704 58170 30740 04126 29787 18453 75772 47846 02174
87150 13124 94953 50584 71714 24723 50672 13514 16967 08372
32672 08314 99928 83553 86402 76235 18358 71599 22016 62342
21927 87398 59019 27633 88135 75406 29061 22001 08846 28641
16375 84002 19588 09450 75576 17765 51427 53660 99977 50759
34231 02439 81576 40576 31046 52049 20565 47138 39747 91464
04303 65792 89491 47914 75489 96814 21473 87675 03085 31541
72053 17642 37004 37334 80500 64818 06902 05441 05671 69314
89579 47364 23305 45063 04510 68833 46066 97664 17604 69762
91443 33125 64819 78337 09526 59240 16812 86928 36090 10074
35207 39258 78996

000 000

10343/9246/8116 kHz, 21-08, 1800/1820/1840 UTC

124 1 7653 114

23033 71086 53504 71824 95123 83160 22231 31310 06756 31175
31252 87007 25254 59640 40689 31181 05081 77413 10092 88602
63768 17014 52313 67448 36104 17513 93117 16627 55946 11413
62551 44124 99192 47763 96932 15064 23437 68358 78796 42883
10165 06340 55330 32374 48431 52517 51487 36222 29097 22260
45766 87396 38153 91934 80698 24666 37651 53431 38100 69358
77888 04549 04682 70973 95496 43668 05406 00288 60391 72154
87718 15652 26148 12356 15322 09911 99546 79331 13724 29309
78274 64727 16693 97096 08713 18193 75814 75221 62805 77598
59005 54746 42823 13192 43003 65859 72027 83332 77048 24016
94477 35606 09484 98429 56259 83620 45081 66893 61343 58996
22407 64841 45650 23648

000 000

9176/7931/6904 kHz, 21-08, 1900/1920/1940 UTC

257 1 5268 68

29074 52682 97441 06217 20227 44483 37023 55267 17864 35034
58830 89074 30900 53032 84821 95278 54705 19101 56916 57719
99190 71983 79661 29493 59860 71619 36266 31457 74757 77568
56391 97415 35934 18472 81644 57458 23776 95331 79467 40602
65652 93768 95703 89932 95491 30787 04602 45874 66522 22612
95013 50093 26407 27150 16049 64275 12275 43832 43246 23543
13430 60593 34401 84502 86090 13096 73358 96763

000 000

9176/7931/6904 kHz, 25-08, 1800/1820/1840 UTC

257 1 3759 48

19172 82980 22247 94991 28281 16855 75271 65999 51127 25575
77419 43370 36227 40543 86827 19949 76367 34092 01757 05826
75956 89904 94734 91557 39184 60263 62191 96426 76468 11417
82630 51282 59730 02323 66131 34094 65534 83572 25391 99496
34412 54302 70133 21128 18405 25992 35616 39003

000 000

13369/12179/10469 kHz, 23-08, 2110/2130/2150 UTC

314 314 314 1 400 135 400 135

94189 50577 54627 21788 45005 80638 23890 71287 63837 79073
30696 96217 76446 64624 81524 64102 69307 77725 51874 16161
81372 09724 45870 62138 87786 34046 38050 68225 33378 51247
58335 15496 47118 28753 75598 09724 39288 33504 69482 36418
45806 75808 45637 25656 99795 91614 17419 46018 85447 12713
29964 40593 60259 64052 03462 81100 79169 49547 00989 36718
96784 65581 48037 75651 87966 95127 37730 57644 58066 12598
51942 49751 90164 67606 56629 82801 92913 29223 06753 09485
98553 83919 04700 23105 19775 59870 04859 41867 89521 72278
03966 82217 77843 51397 57928 50634 13845 89017 92033 98901
36054 00202 69781 98389 28098 22686 46261 57595 60038 03450
37130 38595 03707 55411 53169 42294 47600 52281 02179 63925
30259 86369 39509 93024 07734 15838 83524 02363 63364 44328
06213 80213 57890 40082 09570

000 000

11435/10598/9327 kHz, 25-08, 1600/1620/1640 UTC

938 1 7861 108

69496 58311 61064 04958 99786 56534 00433 54335 62777 15670
84128 95143 21918 81067 78930 25356 90288 29786 57936 20713
62486 40142 14504 27212 41724 83149 79099 25348 60441 34520
06515 46289 78441 57058 85185 25113 08142 49404 98931 32311
74451 65017 00962 82154 91448 54362 91796 56450 71598 75835
34029 76137 19407 55327 16826 20579 96038 61853 83345 23150
35383 57268 59143 09378 40945 52987 91996 06089 84178 88744
17150 70061 13974 54364 30705 99243 30945 15679 40167 00725
24335 93803 86028 44662 65489 40770 68352 73452 29672 57031
16169 53324 28797 31040 03863 61117 08199 23653 11925 96989
02887 73395 76964 62268 73062 07059 07215 94276

000 000

8047/6802/5788 UTC, 25-08, 1700/1720/1740 UTC

463 1 7020 146

86796 18489 94904 14655 32001 94490 53695 63087 23302 11346
01361 99677 16584 65220 66776 91649 49141 08654 91082 23592
85756 12312 82904 92472 49052 45718 76265 80339 43546 49823
99048 84345 27022 02545 15767 55617 85227 35957 28731 24988
55306 59408 60730 80879 42195 77463 49545 26322 34536 14093
55018 30555 18074 72013 89771 05623 39847 79074 84058 14655
10275 94581 30495 90204 25774 36438 73126 15321 87662 67721
14603 86440 81134 61337 86912 92311 74952 77546 25573 80971
92997 41777 55727 45102 47501 38031 40059 70694 35657 98842
10628 01603 85144 61348 99311 25193 29222 83387 85032 71970
62681 28789 45695 19961 98643 14237 77278 76774 37551 75229
98734 93063 04996 90420 87505 63805 93451 11892 45020 36871
04436 58380 92207 23996 58614 95926 59387 74940 69744 29660
92744 58066 67002 58787 96231 14933 93979 12691 40101 04311
12127 58575 97742 68396 71824 23665

000 000

Groups #4 and #60 are identical.

9176/7931/6904 kHz, 25-08, 1900/1920/1940 UTC
257 1 6908 107
42869 87449 65179 66182 29557 09348 97003 48342 60095 87569
82867 08409 65664 84559 67469 39196 21022 09659 02063 47028
14113 17027 77006 67295 80622 95201 44367 19837 62739 11257
92198 40246 52543 86284 61929 56854 23228 32722 79264 88475
60816 70005 23167 75621 19212 44717 28030 67375 90081 79669
93059 09325 32191 01979 99674 57997 61660 94303 06435 20960
72418 94519 17634 65495 80937 46846 83942 80653 89741 04083
92862 71599 25293 88119 10567 65314 40290 30544 33383 46539
99520 95378 49127 90669 40352 20633 98678 34386 15834 06272
08907 52195 65448 18673 93162 47073 77280 66171 03732 27586
94609 63897 51879 72144 13015 47414 10278
000 000

10343/9264/8116 kHz, 26-08, 1830/1850/1910 UTC
124 1 3303 57
29502 19738 52586 31955 74618 83140 54337 78854 69050 42367
91586 28272 17078 03626 45602 13325 56012 12372 11254 35261
07277 69068 86199 43732 21952 83351 24414 23873 27600 47641
68406 89680 25091 00952 26270 88338 96424 56043 44222 92831
13606 72124 79154 78746 36718 46691 63912 58188 99586 03809
30859 73989 32201 36608 91981 94800 66608
000 000

11435/10598/9327 kHz, 27-08, 1830/1850/1910 UTC
938 1 7048 61
96450 03674 33966 94477 42095 10229 93654 97448 33093 23345
12977 23260 80806 98446 76881 54786 70252 35136 10463 19824
73714 23031 57702 66805 99512 64418 72110 32925 74515 61471
48339 84243 58124 79151 69984 24264 62818 4951? 50404 54346
16838 15591 47145 63670 08556 93686 44853 05240 02274 13350
22171 16005 51274 46226 98810 49363 67254 14800 57138 47345
69457
000 000

_M14_

7485 kHz, 01-08, 1700 UTC   382 382 382 00000
6891 kHz, 15-08, 1800 UTC   382 382 382 00000

6856 kHz, 12-08, 1820 UTC. Repeat of July 8th, 1820 UTC
163 254 020
44108 38962 04169 25742 58457 96892 92665 91221 97442 52207
69143 30172 87088 13167 83155 41364 18451 28305 68131 82828
00000 (no DK and GC given)

5938 kHz, 13-08, 1920 UTC. Repeat of July 9[th] 1920 UTC
417 385 020
51059 23438 76167 45680 94045 26295 92184 ?4625 57552 67851
95578 17869 75794 68461 80694 32456 21369 84274 96823 16?17
385 020 00000

12984 kHz, 19-08, 1640 UTC
```
i.p. DW1P GR 61 = =
DPDPD DANTY KMGWZ XBGUQ XETHE ZIQPK ZACBR UWIZW KBKMJ ESGHU
GYCKU WIKKM IRCJE ZBJZY COPUF DANTY = =
NR 915 JP V TM1F 027191 DW1P GR 61 = =
AR AR


VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR AR
NW QTC 1 NR 815 = = NR 815 TP V GI0K 517191 DW1P GR 02 = =
DPDPD KDELX NKTIL UAUXT BCJTP HMCUA HRZHA DOIMA PZXED GKYIS
ABDAQ WGKIP PZEWH FNMBC RLRDC YXDGM JCLQQ KMXRB GNHFN KDELX = =
NR 815 TP V GI0K 517191 DW1P GR 02 = =
AR AR


VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
AR AR
NW QTC 1 NR 325 =
NR 325 EP V GI0K 529191 YN1C GR 75 = =
YOYOY ABNIG PJQUH CSYDX NYTON MIXTL PPONW XGBIO QXCCK LFWMB
MLUEE YKEWE DJOFQ YHLEP RFHMF RFHMS JALAM REUIN HOHSH XBKAZ
DTCBS ZZXWH YNQAP OMHXP FPWDJ YDFPA UHWBW OSOKP BOMQE PNPOI
MSIBR SGJBQ MQNIT CRPMN KLXIY GLWSA OKATF FWFLF WKAQI YFPZG
QGFIB = =
AA GR 04 = =
RQSAM UOYMP QTJJP URQAX RMQDO TKRIK HRSHS SGDLE ULKZL XQBAU
KSGOP UQBKR ISGYS KCGGY IMZRP WZMLN ABNIG = =
NR 325 EP V GI0K 529191 YN1C GR 75 = =
YOYOY ABNIG PJQUH CSYDX NYTON MIXTL PPONW XGBIO QXCCK LFWMB
MLUEE YKEWE DJOFQ YHLEP RFHMF RFHMS JALAM REUIN HOHSH XBKAZ
DTCBS ZZXWH YNQAP OMHXP FPWDJ YDFPA UHWBW OSOKP BOMQE PNPOI
MSIBR SGJBQ MQNIT CRPMN KLXIY GLWSA OKATF FWFLF WKAQI YFPZG
QGFIB = =
AA GR 04 = =
RQSAM UOYMP QTJJP URQAX RMQDO TKRIK HRSHS SGDLE ULKZL XQBAU
KSGOP UQBKR ISGYS KCGGY IMZRP WZMLN ABNIG = =
NR 325 EP V GI0K 529191 YN1C GR 75 = =
AR AR
```

M51 / FAV22
8éme Régiment de Transmission

9213 kHz, 25-08, 1338 UTC, i.p.

```
= NR 46 A 25 15:44:14 2014 =
ZGXSE SZPNT MUVBX VREMA ZCPZE PKQTI CUAIC FSASP YYWRE JECLK
YMOPP SKDUC LKAGP QXKEE OFITE LARDZ HIGGP QWZOA WWFPF WKBPI
DVNBX GLSDH HNTDT MDWEJ CDDWY GOCUA PHBRC KLETF TNSOT NZQEC
XSYZI DMUCF ILOWL NAHAT HSRVE VRSQK NBAYK NFDMN GGCXD YNCPQ
DSOGN PBRFM MVYNG WGHUP QYQBN JIPNF XBUIB DWFJK NCOED JZZPH
GLKZR FMKEH PTPAG LPBGF XYFKA ZRJEQ YDVZG QJEFC VTUOM SHJZX
ZBZDF TCDBM MXHYC SNXKA KCTYA NDCBA HVJIR MYZHT RPGRX IOMKW
FUCML DDPPZ CTRHQ OQJCN EFUSL QQNBK DOSDV AOXXT SXJOO BWJEW
YJOGQ SREPD MVSEQ PMWZA YZYFF WJDGJ JKKYI VIRGP PLYMC UHNIT
RQWHK ALSVW EFUHI HOEXR CVXGR FEPQY BZVEC TWFFP TUAPU HIYNV
= NR 47 A 25 15:50:26 2014 =
GSVSP VBJSV ISUJT GBLSM CQCVG HHHTY PQEYR UGZRJ KSQLB FXVZN
BGCIZ CPZZG WYHRM LNKAC GBVMO QTLXF CDRVQ WSAOM CAHAJ HTMAS
OBPMN MRLFK OVNLX ELXTI PQOEA XQEOE IQVGT AUBFW DATNE QVDVQ
RBAGZ COSDH JUIVG SYHAN DKOUN MKACH ITGKD GPXRG AUOPO UQWMF
JIZIN RLUWW EYZNK ZCMIP QSQGI WGUFT VYAVA GKGOI LLZIF SFPZZ
SWDYL LXXEW QYQBY ODNUN OYJDG IXRVK TPZEE FDJJD XUYLT FCYVB
LBEWE HHRFF SUILZ WGKLL RWPFO XDNIO IMNBG IMWCV WSKKL NGZGX
JGTPA MHMWH IXMGO CJU5Z UIWCO GVWZI LWZTJ SRUMV FCVPV QPKDP
MNEMR KMTCM KOMYP BGSRB SDQWH GMQAQ LJNCW WFTVW SXVBM YOSZD
VACER SGMHA OBIRL GSVRM EZEVO AZCOL CMOED FDDBA TJMMJ KLTEV
= NR 48 A 25 15:56:39 2014 =
TBHZS RCLVL FHBJZ VQAXW ZNZCK (Continued)
```


M89
Chinese military

Roundslips and callsigns

V A7TR A7TR A7TR DE DI9Q DI9Q
V 5RAB 5RAB 5RAB DE M9AB M9AB
V 7NPE 7NPE 7NPE DE QV5B QV5B
V 7NPE 7NPE 7NPE DE QV5R QV5R (faulty transmission)
V 8CPZ 8CPZ 8CPZ DE XW6W XW6W
V 8DKB 8DKB 8DKB DE ODY8 ODY8
V BNGC BNGC BNGC DE XSV85 XSV85
V BRH0 BRH0 BRH0 DE 8NGG 8NGG
V CQ CQ CQ DE DP91 DP91
V DKG6 DKG6 DKG6 DE 3A7D 3A7D
V DP9J DP9J DP9J DE CQ CQ
V EI0B EI0B EI0B DE JHG2 JHG2
V GKLO GKLO GKLO DE TYUI TYUI
V GKN7 GKN7 HKN7 DE F3J5 F3J5
V H2FL H2FL H2FL DE DRV8 DRV8
V JKDJ JKDJ JKDJ DE SLBC SLBC
V M8JF M8JF M8JF DE RIS9 RIS9
V MW3D MW3D MW3D DE 2SLC 2SLC
V N4FM5 N4FM5 N4FM5 DE NAT491 NAT491

V N4FM5 N4 FM5 N4FM5 DE DUT491 DUT491
V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
V QHV8 QHV8 QHV8 de 8QPP 8QPP
V RA5J RA5J RA5) DE BP2S BP2S
V RXP7 RXP7 RXP7 DE CZT2 CZT2
V S2LZ S2LZ S2LZ DE YBA6YBA6
V SR3H SR3H SR3H DE FGH8 FGH8
V SXL6 SXL6 SXL6 de 9QFZ 9QFZ
V TKLO TKLO THLO DE TYUI TYUI
V VTX7 VTX7 VTX7 DE TZ7B TZ7B
V WZG6 WZG6 WZG6 DE 4VTG 4VTG
V YUQW YUQW YUOQ DE ASDF ASDF
V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
VVV Q2M Q2M Q2M DE NYZ NYZ
V 6TRW 6TRW 6TRW DE J9NS J9NS
V 8PEX 8PEX 8PEX DE TI5F TI5F
V TY9D TY9D TY9D DE EOX2 EPX2
V PGG9 PGG9 PGG9 DE MI6Y MI6Y
VVV Q2M Q2M Q2M DE NYZ NYZ

DP7891
8ITZ DE RAQ ..
8ITZ DE CL2S
8ITZ DE LAQ.
DU6E DE 7991
50CE DE NYZD
DP6291
DP8091
4SQW DE VJST
SDP7491
SDP91
DP35
EJBY DE TLSA

Messages:

8111 kHz, 01-08, 0238 UTC

98W = 45NU AR K
85W = U7D5 AR K
77W = 75.6 AR K (Cont'd)
U QSY TO NR 15/15 K
8ITZ DE RAQ ..
8ITZ DE CL2S K
AS
U QSY TO /17/17 K K
VV 8ITZ DE LAQ. VV
8ITZ DE CL2S K K
U QSY TO /17 NR 17 NR 17 DE
U 7G GA K. U 7G GA K
R R GA K
U 7G GA 7G 50 MGAEEEEE U 7G 50 GA K
1P 50 GA K =
QSL 1058 K
SK

10180 kHz, 04-08, 0148 UTC

/4306 =
COMM/1015/LZ681A6/4329/4097 AR AGN
NR 20 0930 RMKS 4326 TO 406EEE RMKS 4326 TO 4097 /4306 =
COMM/1015/LZ5EEEEE =
COMM/1015/LZ681A6/4329/4097 AR
QSL ? HR WK NR 36 EE (Return to roundslip - 0150z)

4120 kHz, 05-08, 1442 UTC

T63T A64D 5664 7N4T UAT. (Cont'd)
III III = = =
3D6T 6457 TU3U ATN6 T574 NATU 7T7A (Cont'd)
III III =
76.N 3N37 4774 U7N. (Cont'd)
III III = = =
DA3N TU65 5DN7 U3.. (Cont'd)
III III = =
T33N 4U44 .76T 7T53 U4N5 33U4 TT4N (Cont'd)
III III = = =
7651 UN3A AA4...

6719 kHz, 05-08, 0201 UTC

A CQ DP91 V CQ (x3) DE DP91 (x2) V (Cont'd)
NIL SK GB
INIP NIL SK GNI NIL SK GB (x6)
NIL G NIL SK GB NIL T NIL SK GB E E E

7877 kHz, 05-08, 0154 UTC

D7T6 U6D3 UA37 (Cont'd)
AR QSL ? K
(Other station on this frequency, but mostly unreadable)
R RPT 031W 8075 8075 K
R RPT 6IIII EEEEE R RPT 62W 1566 1566 K
R QSL ..0 N... K
1000 …. 3 K
R HR WK NR 19 K
OK
R OK SK

5801//10180 kHz, 06-08, 1054 UTC

VVV HR SVC GA
NR 027 1900 RMKS 4306 TO 4463 = COMM/1930/XZ698/83/4309/4463 AR
QSL ? HR WK NR 37
(Return to V DKG6 DE 3A7D)

8940 kHz, 01-08, 0204 UTC

CQ (x3) DE DP91 (x2) V (Cont'd)
HR HR NIL NIL SK SK GB GB
DU6E DE 7991 G

3820 kHz, 04-08, 1012 UTC

MSG NR 04/CCK CK 99 75 .4 2111 =
RMKS .. TO 7.537057 . 13 70.1 TO 7651.. 71. 4136 5EEEE
RMKS 70.1 TO 7652 7771 41.643 EEEE
RMKS 70.1 TO 7651 777. .364 ..5D 1.487. 845 41.10 4161 =
...T 734N A7N4 T3T6 (Cont'd)

6719 kHz, 04-08, 0205 UTC

N4FM5 (x3) DE NAT491(x2) V
CQ V
DE E E A
CQ DP91 V
CQ (x3) DE DP91 (x2) K
HR NIL SK GB (x6)
HR NIL SK GN
HR NIL SK GB

4131 kHz, 06-08, 1514 UTC

i.p. VV HR MSG GA MSG NR .15/CCK CK 91 10 0808 0310
RMKS 0549 TO 0546 0683 0.970 613 0637 0624 =
T5NU U564 5UNA 6T3A .... 3N67 6.3A 4AN5 TU4A TTAA UT63 (Cont'd)
(Suspect msg sent by SLBC who has switched from 5177 to this frequency for the night)

8122 kHz, 05-08, 1337 UTC

NU6A N7UA TAU4 6457 TDD4 NU6A (Cont'd)
AR
W W W W = LE BX NNB A AS NC PG AAL . AAW T\U KS AAP AH. N AS AE
1FM 3AE 1O1W .. = = =
NAA3 TAA6 NUN5 NNNU TA4U ND5A T4D4 (Cont'd)
III .2W 12W (Both stations on this frequency)
12W H2W = = D733D 733 K (Cont'd repeat groups)
OK
QSL 2146
OK OK NIL NIL NIL SK SK GB GN GB

6666 kHz, 06-08, 0109 UTC

= = = D3X4/Q1B2 AR (Normally associated with EXERCISE traffic)
= = D3X4/Q1B2 AR K
RPT (Other station also on this frequency, but mostly unreadable)
R
\E Ga \E GA GA
R RPT RPT R
O AR
MSL 0917
MSL 9 ? MSL 9 ?
QSL 0917 K K
HR MSG GA K
R HR MSG A K
= = A56. TU.. D53N TAU5 TAD3 UT5D (Cont'd - 0124z - Did not send msg header)
AR
R R R OK GA
HR GA

8888 kHz, 06-08, 1015 UTC

i.p. 7D5A 36U7 UNAD 5AN TN6D 6N54 (Cont'd) II AR
R R R R RPT R R RPT ...(QRM from another station - found to be 05)
05 05 05 05 05 =
AR B 773T3 3U773 T35 55 K K K K K K K K K K K K K K K 3 = =
TAU34. .79.. 1234567890 (1021z)
RNYRRAA....
05 05 05
AU3456667DN
AAU3456T7DN
AAAAE AAA AAAAAAAA AAAAAAU

4477 kHz, 07-08, 1548 UTC

05 05 05 EEE 05 05 05 05 (Cont'd)
(Weaker station also on frequency, but unreadable)
05 05 05 (Cont'd)
VVV 50/E DE NYZD K. VV 50CE DE NYZD K
(Weaker station in traffic in background)

6788 kHz, 07-08, 0231 UTC, i.p.

CCK CK 91 73 EEE 7373 EEEEEE
7 7G NR 9 AR R
R RPT 61R1W 1W K K K K K
= = = = = = = 43A7 3A4 ? 3 EEEEEEE
EA4U 6TUT 7UN5 (Cont'd) K

7610 kHz, 07-08, 1405 UTC, i.p., machine sent

DU33 NU6A NUN5 NDNU N4D5 TU7A 3U55 7544 DD33 TTT4 N.UA TUT4 N4T6
D733 TAT5 5TTU NUA6 4N4 TNNA (Cont'd)
III III = =
T3UU TTT4 T7U3 NNNU NAAU NA43 TTT4 TA5A NUN5 (Cont'd)
(Note group TTT4 is repeated multiple times in this message)
U SSSS U ????? UNN5 A.5T 4N4N N354 NUU6 N7U4 T6T6 ..UA NUN5 5AAD ?
N7D.. D733 NNNA T7NU T3U3 TTT4 NUNU N7UA N4T5 U7T3 N73U AR AR AR
W W
TC 170W TC 170W (Both stations on this frequency)
123W 123W = = = 5AAD 5AAD 5AAD W W
123W 123W = = = 5AAD 5AAD 5AAD WW
TC 124W
124W 124W = = = N7? ? T5U6 T? T5U6 T5U6 T5U6 WW
124W 1242 K K K = = = T5U6 T5U6 T5U6 WW
TC 125W 125W 125W = T343 T343 T343 WW
TC 120W TC 120W 120W 120W = = = NUA6 NUA6 NUA6 NUA6 W W
TC 115W
QSL 2222 AR
OK 2222 NIL NIL SK SK GB

7777 kHz, 07-08, 0240 UTC

4D53 AN7T U63N A6T4 57DU 5634 TDAU 7N6T (Cont'd)
III = (Excellent CW operator - very nice fist - no errors!)
5N4A UD35 T76A 4NUD 357T A64N DU5T 735A (Cont'd)
AR
MSG NR 02/CCK CK 27 35 0807 1052 RMKS 1111 TO 222 K
OK = =
6N4A UD35 T76A T76A 4NUD 357T A64N DU5T 735A TDU3 746N
= = = = NR 115 NR 115 K NR 115 K QSA 2 NR 115 K
R 5
NA NNR 11
NR NR QSA 2 NR 11 NM QSA 2 NR 115 NR 115 K QSA 115 K
QSA 2 05 K. QSA QSA 2 05 K
NR 115 K
QSA 2 QSA 2 QSA 2 NR 115 K
QSA 2 05 R K
QSA 2 NR 115 K
VV VV VV 8ZV8Z K
QSA 2 NR 115 K
NR 115 K QNR 115 K NR 115 K

8212 kHz, 07-08, 1251 UTC

158W 158W 75AA 75AA
TC166W (Both stations on this frequency)
166III 166W 166W T7N3 T7N3
DP6291 QSL 2053 (Sent letter O for ZERO)
DP6291 QSL 2053
FM 3 = OK DP6291 NIL
DP6291 NIL SK SK GB GB
VV VVVV DP8 E VVVV DP8091 DE DP91 CL K
VVVVVV DP8091 DE DP91 CL K
DPE DP8091 QSA 3 K
DP8091 HR MSG PSE CY DP8091 QSA 3 HR MSG PSE CY
GA
MSG MSG MSG MSG NR 231A CK 100 EX 0807 2058 =
MSG NR 231A CK 100 EX 0807 2058 =
AWWW W
GA
= = = = N474 TUU5 N43U TTT4 TUDU 7455 NNNA NATA TTT3 TUT5
TTT4 D4U7 T73U N7U3 NNNA T343 DUAA T576 NUN5 5AAD
N7D5 T7D5 D733 TAUA NUNU N7UA N4T5 U7T3 N73U T6UA
T5DU TTT5 TDDA NNNA NATA TTT3 NAD5 TTT4 T3U5 T575
N7N3 T73U T7UA T765 N676 N6TA TDA5 NUT3 TTTA NUN5
U4T3 7U47 3U5. ADD6 TAT5 5TTU N7UA AAAA N4.4 T4A6
D644 N3DU A53D 7655 T.UA N4DU NUN5 NDNU TAT5 N554
T64A T4T4 N7UA TAUU TTT4 N646 TTT4 7455 3U55 N4N4
35T4 T64A T4T4 N7UA NUN5 NDNU N3.U TTT4 TADU N6UU
N474 N555 TA55 NNNU NAAU NA43 TTT4 TA5A N7UA N4N4
AR AR AR WWW
(Many of the groups in this Exercise message are repeated - TTT4 appears 7
times in this message)
1IW 17W 17W 17W 17W 17W = = = DUAA DUAA WW
55W 55W 55W = = = TAT5 TAT5 W W W
56W 56W 56W = = = 5TTU 5TTU 5TTU WW
78W 78W 78W = = = 7455 7455 7455 WWW
DP8091 QSL 2110
OK 211 2110 OK 2110 NIL
NL Z
SK SK GB GB

8212 kHz, 07-08, 1342 UTC

CK 200 EX 0807 2138 =
MSG NR 233A CK 200 EX 0807 2138 = MSG NR 233A CK 200 EX 0807 2138 = K
= = = = = NAT4 TAT4 T4N6 NAAU TU6U N4D3 7533 TA35 7455 6A33
NAN4 N673 N7UA NU63 N6TU T3T4 TD63 6A33 A64N TAN6
7455 ND64 (Cont'd)
AR AR
TCW W
117 117
3N66 3N66 W
118 118 N7UU N7U N7UU W
118 N7UU N7UU W
119 119 N6A3 N N6 N6AU N6AU III W
120 120 TAN6 TAN6 W
8091 QSL 1000 (Probably DP8091)
OK SK SK GB GB

7749 kHz, 08-08, 1116 UTC

AS
MSG GA NR 080./CCK CK 19 22 0808 1926 RMKS 2021 TO 2277 K
MSG 011EEEE MSG 01W
= 6554 U.64 563U A65. T6.. (Fading badly - Cont'd)
AR
GA
MSG NR 1..CKK CK 19 22 0808 1... RMKS 2277 TO ... K (Too weak to copy)
RPT ... K
RPT DATE DATE
R R DATE ...
RPT RMKS RPT RMKS K
R ....
R MSG GA K
MSG MSG = =(Too weak to copy)

8232 kHz, 07-08, 1325 UTC

47W 47W 47W 47W = = = N4566 N466 N466 W
74W 74W 74W 74W 74W = = = NA65 NA65 NA65 W
OK QSL FM OK QSL 2127
QSL QSL 2128
OK NIL NIL
MSG MSG
SK GB
MSG
GA
AS
OK GA
MSG NR MSG NR 0090 CK 100 EX 0807 2130 CK
OK GA OK GA
MSG = = = = = == = = = = = = = = = =
NUN5 T75A N7UA T575 TD3A N37A NNNA N433 TTT3 TUA3
TTT4 N474 N3DU T454 NNNA ND44 TTT3 N764 6457 NNNA
ND44 TTT3 DNUU N7UA T5AU NU6A 7TTU ATD5 T44U T454
T7UA N3TU NNNU NA73 TTTA TAN4 TTT4 DTAA NNNU NA73
TAN4 TTTU N7UA T454 TD75 N4A4 T4T4 NNNA ..NA N6T4
TTT4 T575 TD7A N37A N7UA N644 N7N3 N3D4 T4T4 D733
N7D3 TD3A N7AA N7AA T74U 6457 N5T3 NU6A N7UA N7N5
NNNA TUNA .6T5 TTT4 N4A5 NNNA N474 N446 TTT3 N3N5
T7UU N73U NAAA D733 T454 7433 T453 TD75 N4A4 N5T3
N7U4 T73U NNNA N474 N446 TTT3 N3N5 NNNA NA35 TTT3
AR W WWWW
(Appears to be part of the DP91 Family - Again many groups repeated within
this exercise message)
28W 28W 28W 28W 28W = = = N765 N765 W
28W 28W 28W W8W = KK
K = = = EA = = ATD5 ATD5 W
41W 41W 41W 41W = = TAN4 TAN4 W
43W 43W 43W 9 = KKKN E = = N7UA N7UA W
44W 44W 44W 44W = = T454 T454 W
OK QSL QSL 2140 2140 OK QSL 2140
NIL NIL SK SK GB GB

5380 kHz, 11-08, 1427 UTC

AT6A 353A 5335 6A6D A5AT TN6N (Cont'd)
IIII III III =
2P =
NA =
46TD 3DAA N.34 5UNT 7447 (Cont'd)

6936 kHz, 11-08, 1416 UTC

17 FM 3 (Format indicates this might be part of DP91 Network)
170W (Both stations on this frequency
170 = = TA65 (Sends letter O for Zero)
QSL 2216. QSL 2216
FM 3 = OK .. B
W

8212 kHz, 11-08, 1005 UTC

76W 76W 76W
56W 56W = T7U6 T7U6 W (Both stations on this frequency)
77W 77W 77W 77W 77W = = NU35 NU35 W
252W
OK QSL 1800 (Sends the letter O for Zero)
OK OK NIL SK NIL

8940 kHz, 12-08, 0200 UTC

CQ DE DP91 DP91 V
HR NIL HR NIL SK GB HR NIL SK GB HR NIL SK GB

7878 kHz, 08-08, 1111 UTC

RPT 04W K. RPT 04W = = 6435 AR AR K K
R OK OK OK OK

8060 kHz, 08-08, 0131 UTC

8W = 375D AR K (Cont'd repeat groups)
R K (This frequency normally used by RIS9 lately)
R GA GA JEN
R GA

10883 kHz, 08-08, 1331 UTC

 i.p. 3NA4 63TU UAT3 753N A65D 7T46 AU47 D5TA 75TA 7T46 7D3 (Stopped)
7T46 AU47 D5TA 75TA 7T46 7D3N AT.5 5T

6881 kHz, 10-08, 1313 UTC

RMKS .... TO .3.50 K
R GA K
R RPT K
R R GA K K R = GA K R =
N.8. W/X OWI AR (This type of message normally associated with Exercise
traffic)
= YOEL W/X..I AR
= NR 5 CK 8 LU/X2.. K
R R QSL 2114 K
R ... K
OK OK

8073 kHz, 10-08, 1142 UTC

= 7730 T377 3353 3734 AANN 343.. 4673 D34D T4D6 734N
(Cont'd. Running groups together)
MSG GA 557GA GN
NR NR 06DEM SS NR NR 06E SS NR NR 0603 CK 118 35 081 EEEEE
NR 0603 CK 118 2EEEEEE
NR NW NR 0603 CK EEEEEE
NR 06EEEEEEEE
NW EEEEEEEE NW EEEEE NW EEEEE NW EEEEE NW EEEE
(This operator not having a good day...)
EEEE NW NR NU EEEE
NR NR 0603 CK 118 35 0810 1640 =
EEEEEE TAT3 U63A N3UG EEEEEE 2 EEEE ? 3U7T AU77 ? 773T AMIMEEEEEE ?
7733 5737 34AT (Cont'd)

8012 kHz, 11-08, 0943 UTC

N574 N7UA NDT4 T3AA T6NA T6A3 TU53 TDDU (Cont'd)
..W
30W (Sends the letter O for Zero)
62W
40W 40W 40W (0947z - Silent)

8212 kHz, 11-08, 1409 UTC

AS K
SQSL 2211 QSL 2211
TO QSL 2211
QSL 2211
OK (Both stations on this frequency)
NIL NE SK

8888 kHz, 11-08, 0931 UTC

EIC UI C (Normally associated with EXERCISE traffic)
N EEEEE
NQSA AR IEC 4UI. AR
N QSA AR
IEC R QSA AS IEC ... AR
VV ABL. QLV ... MB
KUBL .. BLU EEEEEEE
UBL. DE SXMX .. QSA AR
N QSA ... QSA . N QSA IEC .... K

6636 kHz, 12-08, 1514 UTC

D733 T4N6 NU76 DDUD TU.U T435 NNNA TU43 T45A N7UA (Cont'd)
AR AR W W
26 W (Both stations on this frequency)
37W 37W 37W = = = T5N5 T5N5 T5N5 W W
36W 36W 36W = = = T5N5 T5N5 T5N5 W
37W 37W 37W 37W = = = 5N66 5N66 5N66 W W
45W 45W 45W 45W = = = TA63 TA63 TA63 W
46W 46W 46W = = = 3644 3644 3644 W W (Cont'd repeat groups)
OK QSL 2325 OK QSL 2325 OK SK SK
GB GB GB (Format would seem to indicate DP91 family)
SK GB SB (Cont'd)
4X S I S
VVV SDP7491 SDP91 CL K
DP7491 MSG
OK MSG CY
OK GA
7G 0010 CK 10EX 0811 2333 W

6984 kHz, 12-08, 1332 UTC

N7.4 7UTD T5.N DT7T (Cont'd)
AR K (1333z)
R QSL 2132 K (Both stations on this frequency)
R R HR NR 1050 K
R R HR NR 3020 K
R R NIL SK GB
NIL SK GB

6701 kHz, 12-08, 1320 UTC

TTDT TDT7 TN.N 6NU5 6DU4 D737 DDAN NTU3 (Cont'd)
AR
R RPT 13W = 6850 AR K
RPT R 22W = 9541 AR
R = 8818 AR
R = 2589 AR K
R = 9007 AR K (Sent long zeros)
R GA GA

3330 kHz, 16-08, 1400 UTC

VV = EE C NR 63 3056. 3978 = = CQ MM S.. =
36EU2/.W9.8/2230/2.7./3.56 AR
3642 B/3978/2230/237NR/2056 AR

3330 kHz, 18-08, 1507 UTC

ADU7 U7.3 A73. ANU3 4N.7 AN3. (Cont'd)
III = ND3T 7U.6 .TA3 A67T A5U4 64A5 (Cont'd)
III ....
MSG NR 82 CK 301 .4 0817 ..00 =
5NUT A4.. 4NT3 (Cont'd)
III = 3U74

10204 kHz, 11-08, 1403 UTC

2100 RMKS 3839 TO 3988 R K
= = N64 EEEEE =
A7D63 TT4D 35TU 743N T647 (Cont'd)
AR QSL ? HR WK NR 215 T
HR 7G GA
U637 5. A3 DU.. (Cont'd)

5358 kHz, 12-08, 1646 UTC

R MSG GA K
R GA
R MSG NR 7 CK .85 .2 0812 .250
QSL ? K
R QSL 037 K
EEE 7G GA
MSG NR A8.8 2183 62 0812 2250 QSL ? K
R QSL 0220 K
FOKH.3 K N 1502 K
R NIL SK NIL SK

6899 kHz, 12-08, 1704 UTC

AD57 53N7 4AD3 37N3 4NDT UTN7 4T3U (Cont'd)
AR QSL? K
R RPT 6W (Both stations on this frequency)
3NA 3NA4
RPT 16W RK
R RPT 16W K (Cont'd repeat groups)
R QSL 0110 K
R U 7G GA K
R HR MSG GA
MSG NR 038 CK 99 .8 0813 0100 =
765A 4DTN 4365 4UDN (Cont'd)
AR
R RPT 41W (Cont'd)
R OK QSL 0118 K
R R HR WK NR 0033 K
R HR WK NR 0923 K
R HR NIL SK R HR NIL SK

6666 kHz, 15-08, 1737 UTC

3AUN 3T4T 7AD5 NDTA 5U74 (Cont'd)
05 (Cont'd - long zero)
NW .35 B7356D4ATIU.U546734D34DN47.6TNDTAUAT47NN7A (Cont'd)

6666 kHz, 16-08, 1044 UTC

/5719/5707/5745 K =
3DU3 D6A4 6UTD DTNT 445D 54T3 N5DA (Cont'd)
AR
R QSL EEEE
= 7S QSP RMKS QSP 9.39 TO 5D23/5719/5707/5745 K K K K K/=
EE NR 22/EX 2013 RMKS 5707 TO 5719 =
GMC EEEEEE AGN
E NR 22/EX 2013 RMKS 5707 TO 5719 =
GMYN2/SGBL3 AR K
VV VV VV VV II V VV
7G NR 08 CK 30 12 0722 1240 RMKS QSP 9039 TO 5823/5719/5707/5745 K
EE NR 22/EX 2013 RMKS 5707 TO 5719 =
GMYN2/EEEE = = GMYN2/SGBL3 AR K GA =
EE NR 22/EX 2013 RMKS 5707 TO 5719 =
GMYN2/SGBL3 AR
E NR 23/EX 2041 RMKS 5745 TO 5719 =
CK3AJ/VQ2G
(Stpped - Another station now of this frequency - Chinese Air Defence tracking station)

6936 kHz, 20-08, 1335 UTC

MSG NR 495 ACK 100 EX 08 20 2142 ==
DA66 TDD5 D733 T5A4 TA55 .... AR AR AR
DE DP7891 QSL 2159

5555 kHz, 23-08, 0937 UTC

NR541 K EEEEE
NR 541 CK 171 84 0820. 200 RMKS 8588 TO 9412M .. K
= =
NR 541 CK 191 84 0820 2200 RMKS 8589 TO 9432 SE 3.EEEE
05 05 05 (0939z - Silent)

6719 kHz, 24-08, 0200 UTC

CQ (x3) DE DP91 (x2) V
PSE YY C YY DL TO HR AHR NIL SK GB
PSE YY C YY LL TO HR AHR NIL SK GB
PSE YY C YY TO HR NIL AHR NIL SK GB
PSE YY C YY TO HR AHR NIL SK GB
T T T T T

5801//7602 kHz, 24-08, 1403 UTC

VVV HR 7G GA
NR 039/CCK CK 99 19 0824 2205 RMKS 4306 TO 4097 4065 4376 4082 4075 =
UA6T TDA7 4AD4 U3A3 3D4A 3D65 DT5U TAUN 34AT 3TDA DN64 4U6N
(Cont'd)

5555 kHz, 28-08, 1157 UTC

7634 44? 434444 306 35
AA45A 6N7A 5D767D6A37DU A5N5 745T 356A T5TA TTTA N5T4 75I ? 7545 IEE
54A6T4T 35NU
763 4436T 67 3TN 34N 3564 5U3N N76 76U 5U7DU4376 4NM45
453 E S VU 53U7D U476 4N43 DT64 N35E 5 5 SEEEEE EEE 5555EE
EEEEEEEE EEEEEEEEEEEEEE 5550SOSSEEEEEEEEEEEEEE
4TN. AUE AU37EEE7G7 7AUIETC. (Second station now is background)

6666 kHz, 28-08, 1205 UTC

5UNA ADN4 TT7D 55DU 4465 DD46 5466 (Cont'd) K
R R RPT 32 TO 35 K (Both stations on this frequency)
R R = = = D337 A36N AA45 NA5D AR = = D337 A36N AA45 NA5D AR K
R R QSL 2010 K
R U MSG GA K
R R MSG NR 002 CK 75 12 0828 2012 K
R GA K
R R MSG = = = =
NN76 UD33 N77N N77T 7NAA 44.D 324N (Cont'd) AR
R R QSL 2016 2016
QSL 2016 2016 K
R R OK K
SK SK GB SK K

6666 kHz, 28-08, 1917 UTC

U5UD AR K
R QSL 0310 7 AR
AGN AGN
QSL 0317
R SAGN
R ZNN SK
AGN ZNN
SK SK GB

6666 kHz, 23-08, 1128 UTC

T47D AAES ACADDADPAFN R AGN AGN
A R ALL ALSO ALYAQ.ANS ? ANS ANT ASK AT AT ONCE AUTO BAD BCBDBECBGN
BE? BK BOZ N? BOZ B? BR=RBE ? B? BUT B YB YORDE RC CAN CANT CCK CCT ?
CCD CH CH ANB? K ? CHG RT ? CHE ? CHIET ? CHE I ? CHIEF
CK CFFFF T ? CLCL CL R CLS CODE T ? CODE K COMM CQ CQ COMP
CRT CSCTGL T ?
CW
QRH QRJ QRL QRM QRN QRO QRP QRQ QRS QRT QRU ? QI? QRU ? QRW
QRTII ? QRX QRY
QTR ? QSB QSD QSK
QSL
P PSE PSE ... EEEEE = = PSE RPT
PSE RPT 1 P 22W HW ?
PSE RPT 1P ? EEE PSE PSE RPT 1P 1P ... ?
PSE EEE PSE RPT 1K
PSE PSE RPT = = 1234 ? MY XX XX CCK CCK CC99241 EEEEEEEE = = 53W .. 73U5
7N7U N4D7 7AA7 654U 6A3A TUDD TTTU U3U6 7466 (Cont'd)
AR (Cont'd sending groups)
DP35 DP35 M
X EEEEE XX
..AN4D7 3753 N7N5
3UN4 (1149z – Silent)

5588 kHz, 24-08, 1033 UTC

NR ... CK 301 34 0824 1830 =
TUt4 A676 6TU7 U7UD N7A5 4NU3 (Con'd)
III = ATUN AR
MSG NR 096 CK 301 34 0824 1830 =
TUT4 A676 6TU7 U7UD N7A5 4NU3 AND7 (Cont'd - Repeats message)

6666 kHz, 28-08, 1000 UTC

VV EJBY EJBY DE TLSA TLSA K
R R AC.G 5G DE TEEEEE (Both stations on this frequency)
R UB5G UB5G DE VE5F VE5F QSA 3 QSA ? K
R R QSA 3 IEC = 8698 AR K
NR EIC = 7923 C K
R RHR MSG GA HW K
NR OK GA K
RR MSG GA MSG NR GET CK NF 58 0828 17 EEEEEE
RR MSG GA MSG NR 060 CK 75 120828 1800
MSG NR 060 75 EEEEEEE
MSG NR 06M 0 EEEE
RMKS NR 060 CK 75 12 0828 1800 K
R R GA K
R R MSG GA = =
66D4 DTTA T3A TU33 DAAA DDNA 53TU 44DT 6DDU DD.T (Cont'd)

6666 kHz, 28-08, 1226 UTC

GA K
R MSG MSG NR 064 CK 75 12 0828 2025 K
RPT NR K
R NR 064 K
PSE ...
T64 K
GA K = =
D337 3TAA 44N6 5T33 (Cont'd) AR =
CFM .... K
QSL 2A03 K QSL 2033 2033 K
R OK GA K
R NR ... (To weak to copy)
R GA K

5555 kHz, 30-08, 1341 UTC

GA
AURPT 42W TO 49W K
NTR CK
7G GA NR NR 3557 CK 49 87 0830 2100 RMKS 484A EEEEE RMKS 4841 TO
4760 EEEEE CK 0 = =
U7T5 4N3D T7U5 3N6A 4TU6 N5D4 (Cont'd)
EEEEE NA42 145
IN. QSL QSL R
QSL ....
L NR CG HR F GA F NR NR NR 6909C/A 2015 RMKS 4808 TO 4760 K K
R R = = = = =
1K7/MG1F AR K
AGN
E NR 6909/LU 2015 RMKS 4808 TO 4760 K
R = = =
1KMS/MG1F K
DE DE DE DE (very weak / unreadable)

5588 kHz, 30-08, 1327 UTC

V MW3D (x3) DE 2SLC (x2)
VVVV CQ 63 RMKS 3056 TO 3913 UGT COMM SSB = =
36426K/3913/.200/237 NR/3056 III = =
364.6.3.13/2200/237 NR /3056 AR AR AR (Return to roundslip)

8073 kHz, 31-08, 1138 UTC

3744 T4NN 3446 4744 3D3D (Cont'd)
(Grouping suggests groups of 3 vice 4)
IIII =
773 357 373 4AA NN. 445 3DU 4DT 4D6 3UD
TUT 773 02A 773 TU7 773 TUN 773 357 374
4AD NN3 435 47U ? 47..? 474 43D 3DT TTU
4DT 4D5 476 3UN 475 AR
7G AGN NR 0648 CK 132 35 0831 1752 =
T3A 3U6 3AN 3U7 TAU 773 TA7 773 353 37U
4T4 NN3 445 3DU 4DT 4D. TAD 773? 773 TAN
773 357 373 4A7 NN3 435 466 3DT TTU 4DT
4D. TUT 773 357 374 4T4 NN3 4.? 446 474
43D 3D3 4DT 4D5 TN. 773 TUE? TUU 773 TU3
773 357 37.? 374 4AD NN3 S.? 446 474 43D 3D3
4DT 4D5 TU4 773 TU5 773 356 4A7 NNI? NN3 445
3DU 4DT4 D6. Y6 773 357 373 4A7 NN3 445 3DU
4DT 4D6 X7 773 XNX? 773 .T7 7W? 773 3UE? 773
357 3744ANN3 446 474 43D3 D34DT4D53A 773 T33 S? T33 III =
773 357 3? 373 4AA NN3 44S.? 3DU4 DT4D B3U DTU T77
3TU A77 3TU7 773 TUN 773 357 S? 374 4AD NN3
435 47.? 474 43D 3DT TTU 4DT 4D5 47. 3UN 475 AA? AR
(Note how many times the group 773 appears in the message)

UM01
Unid CQ station

Not heard. Either changed to a new -yet unid- frequency or off the air.

UM10
Unid 10-minutes net

3880 kHz, 01-08, 1747 UTC   LEQA
3285 kHz, 01-08, 1747 UTC   LEQA
3835 kHz, 09-08, 1852 UTC   SDXL
3835 kHz, 09-08, 2120 UTC   SDXL
3539 kHz, 09-08, 2114 UTC   SBIB
3835 kHz, 10-08, 1628 UTC   SDXL
3835 kHz, 10-08, 2022 UTC   SDXL
3835 kHz, 23-08, 1430 UTC   SDXL
3256 kHz, 23-08, 1430 UTC   SDXL
3539 kHz, 24-08, 1347 UTC   SBIB
3256 kHz, 24-08, 1356 UTC   SDXL
3835 kHz, 24-08, 1356 UTC   SDXL

VARIOUS MODES

HM01
Dirección General de Inteligencia

Notes:

9330 kHz, 18-08, 0700 UTC
Starts with "53417 14343 75581 03352 85804 73241". Stopped at 0705 UTC with "85", restarted during RDFT, stopped and restarted with 033752. Stopped at 0710 UTC. Transmitter off and back with much weaker signal. Transmitter off and back with stronger signal with 75581. Off again and back with low signal. Then restarts the complete transmission at 0714 UTC with weak signal. At 0718 UTC sudden power boost and transmitter off again. Restarts at 0724 UTC with "534"; stops; restarts at 0729 UTC. I stopped listening at 0733 UTC. It looks like they were switching transmitters and/or antennas.

5855 kHz, 20-08, 0459 UTC. Again a nice start of HM01 today.
Carrier followed by M08a at 0459 UTC: "NRN NNWTA DWTNN AGNRN NNWTA DWTNN AGNRN NNWTA DWTNN AGNRN NNWTA DWTNN AGNRN NNWTA T", then into RDFT-voice-RDFT and restarted the HM01 transmissions at 0504 UTC with "53419 14345 75582 03354 85806 73242".

Freq.	Date	UTC	Day	Remarks
5855	1-8	0500	Fri	83123 07715 57253 34033 55528 14423
10345	1-8	0600	Fri	83123 07715 57253 34033 55528 14423
9330	1-8	0700	Fri	83123 07715 57253 34033 55528 14423
9065	1-8	0835	Fri	Cuban Intelligence Havana
10715	1-8	2200	Fri	14424 83124 07716 57254 34034 55529
14375	2-8	0500	Sat	83124 07716 57254 34034 55529 14424
14375	2-8	0600	Sat	83124 07716 57254 34034 55529 14424
13435	2-8	0700	Sat	83124 07716 57254 34034 55529 14424
11635	2-8	0800	Sat	83124 07716 57254 34034 55529 14424
11462	2-8	0900	Sat	83124 07716 57254 34034 55529 14424
12180	2-8	1000	Sat	83124 07716 57254 34034 55529 14424
5855	3-8	0500	Sun	83125 07717 57255 34035 28051 14425
10345	3-8	0600	Sun	83125 07717 57255 34035 28051 14425
9330	3-8	0700	Sun	83125 07717 57255 34035 28051 14425
9065	3-8	0800	Sun	83125 07717 57255 34035 28051 14425
10715	3-8	2200	Sun	14426 83126 07718 57256 34036 28051
5855	4-8	0500	Mon	83126 07718 57256 34036 28051 14426
10345	4-8	0600	Mon	83126 07718 57256 34036 28051 14426
10345	4-8	0600	Mon	83126 07718 57256 34036 28051 14426
11462	5-8	0500	Tue	50010 56451 57257 34037 28052 14427
11464	5-8	0939	Tue	Cuban Intelligence Havana
5855	6-8	0500	Wed	50011 56451 57258 34038 28053 14428
5855	6-8	0500	Wed	50011 56451 57258 34038 28053 14428
10345	6-8	0600	Wed	50011 56451 57258 34038 28053 14428
10345	6-8	0638	Wed	50011 56451 57258 34038 28053 14428
11435	6-8	1618	Wed	50012 56452 57259 76111 28054 14429
11530	6-8	1707	Wed	50012 56452 57259 76111 28054 14429
11635	6-8	1804	Wed	50012 56452 57259 76111 28054 14429
11635	6-8	2134	Wed	50012 56452 57259 76111 28054 14429
10715	6-8	2200	Wed	50012 56452 57259 76111 28054 14429

Freq.	Date	UTC	Day	Remarks
11462	7-8	0500	Thu	50012 56452 57259 76111 28054 14429 //14375 kHz
14375	7-8	0500	Thu	50012 56452 57259 76111 28054 14429 //11462 kHz
13435	7-8	0659	Thu	50012 56452 57259 76111 28054 14429
9270	7-8	0700	Thu	Spanish numbers + RDFT
11635	7-8	0803	Thu	50012 56452 57259 76111 28054 14429
11435	7-8	1600	Thu	50013 56453 86751 76111 28055 02231
11635	7-8	1807	Thu	50013 56453 86751 76111 28055 02231
16180	7-8	2106	Thu	50013 56453 86751 76111 28055 02231
17480	7-8	2204	Thu	50013 56453 86751 76111 28055 02231
5855	8-8	0500	Fri	50013 56453 86751 76111 28055 02231
10345	8-8	0600	Fri	50013 56453 86751 76111 28055 02231
9330	8-8	0700	Fri	50013 56453 86751 76111 28055 02231
9065	8-8	0800	Fri	50013 56453 86751 76111 28055 02231
9240	8-8	0900	Fri	50013 56453 86751 76111 28055 02231
9155	8-8	1000	Fri	50013 56453 86751 76111 28055 02231
11435	8-8	1600	Fri	50014 56454 86751 76112 28056 02231
11635	8-8	1800	Fri	50014 56454 86751 76112 28056 02231
11635	8-8	2108	Fri	50014 56454 86751 76112 28056 02231
10715	8-8	2210	Fri	50014 56454 86751 76112 28056 02231
11462	9-8	0500	Sat	50014 56454 86751 76112 28056 02231 //14375 kHz
11462	9-8	0500	Sat	50014 56454 86751 76112 28056 02231
14375	9-8	0500	Sat	50014 56454 86751 76112 28056 02231 //11462 kHz
14375	9-8	0600	Sat	50013 56453 86751 76111 28055 02231
14375	9-8	0600	Sat	50014 56454 86751 76112 28056 02231
13435	9-8	0700	Sat	50014 56454 86751 76112 28056 02231
11635	9-8	0800	Sat	50014 56454 86751 76112 28056 02231
11435	9-8	1559	Sat	50014 56454 86751 76112 28056 02231
11530	9-8	1703	Sat	50411 56455 86752 76113 28056 02232
11635	9-8	1802	Sat	50411 56455 86752 76113 28056 02232
16180	9-8	2103	Sat	53411 56455 86752 76113 28057 02232
17480	9-8	2220	Sat	53411 56455 86752 76113 28057 02232
5855	10-8	0500	Sun	53411 56455 86752 76113 28057 02232
5855	10-8	0500	Sun	53411 56455 86752 76113 28057 02232
10345	10-8	0500	Sun	53411 56455 86752 76113 28057 02232
10345	10-8	0600	Sun	53411 56455 86752 76113 28057 02232. 0600z transmission started on 5855 kHz at 0559z. Switched at 0600z to 10345. Carrier on 5855 kHz off at 0602z
9330	10-8	0700	Sun	53411 56455 86752 76113 28057 02232
9065	10-8	0800	Sun	53411 56455 86752 76113 28057 02232
11435	10-8	1606	Sun	53411 56456 86753 76114 28058 02233
11530	10-8	1700	Sun	53411 56456 86753 76114 28058 02233
11635	10-8	1802	Sun	53411 56456 86753 76114 28058 02233
11635	10-8	2115	Sun	53411 56456 86753 76114 28058 02233
10715	10-8	2200	Sun	53411 56456 86753 76114 28058 02233
5855	11-8	0500	Mon	53411 56456 86753 76114 28058 02233
5855	11-8	0520	Mon	i.p.
10345	11-8	0600	Mon	53411 56456 86753 76114 28058 02233
9330	11-8	0700	Mon	53411 56456 86753 76114 28058 02233
9065	11-8	0800	Mon	53411 56456 86753 76114 28058 02233
11435	11-8	1600	Mon	53412 56457 86754 76115 28059 02234

Freq.	Date	UTC	Day	Remarks
11530	11-8	1714	Mon	53412 56457 86754 76115 28059 02234
11635	11-8	1800	Mon	53412 56457 86754 76115 28059 02234
11635	11-8	2103	Mon	53412 56457 86754 76115 28059 02234
14375	12-8	0600	Tue	53412 56457 86754 76115 28059 02234
13435	12-8	0700	Tue	53412 56457 86754 76115 28059 02234
11635	12-8	0800	Tue	53412 56457 86754 76115 28059 02234
11635	12-8	1822	Tue	53412 56457 86754 76115 28059 02234
16180	12-8	2100	Tue	53412 56457 86754 76115 28059 02234 53412 etc 122100
16180	12-8	2200	Tue	53412 56457 86754 76115 28059 02234 53412 etc 122200
5855	13-8	0500	Wed	53412 56457 76115 28059 02234
10345	13-8	0600	Wed	53412 56457 76115 28059 02234
10715	13-8	2200	Wed	53413 56458 86755 76116 85801 02235
11435	14-8	1601	Thu	53414 14341 86756 76117 85801 02236
11530	14-8	1704	Thu	Very bief Spanish voice, nothing else heard
16180	14-8	2108	Thu	53414 14341 86756 76117 85801 02236
17480	14-8	2239	Thu	53414 14341 86756 76117 85801 02236
5855	15-8	0500	Fri	53414 14341 86756 76117 85801 02236
10345	15-8	0600	Fri	53414 14341 86756 76117 85801 02236
9330	15-8	0700	Fri	53414 14341 86756 76117 85801 02236
9333	15-8	0800	Fri	53414 14341 86756 76117 85801 02236
11435	15-8	1650	Fri	53415 14341 86757 03351 85802 02237
11530	15-8	1700	Fri	53415 14341 86757 03351 85802 02237
11635	15-8	1800	Fri	53415 14341 86757 03351 85802 02237
11635	15-8	2100	Fri	53415 14341 86757 03351 85802 02237
10715	15-8	2200	Fri	53415 14341 86757 03351 85802 02237
14375	16-8	0500	Sat	53415 14341 86757 03351 85802 02237
11435	16-8	1600	Sat	53416 14342 86758 03351 85803 02238
11530	16-8	1700	Sat	53416 14342 86758 03351 85803 02238. Carrier on then off
11635	16-8	1800	Sat	53416 14342 86758 03351 85803 02238
16180	16-8	2103	Sat	53416 14342 86758 03351 85803 02238
17480	16-8	2200	Sat	53416 14342 86758 03351 85803 02238
10345	17-8	0600	Sun	53416 14342 86758 03351 85803 02238
11435	17-8	1550	Sun	53416 14342 86758 03351 85803 02238
11530	17-8	1701	Sun	53417 14343 75581 03352 85804 73241
11635	17-8	1833	Sun	53417 14343 75581 03352 85804 73241
11635	17-8	2109	Sun	53417 14343 75581 03352 85804 73241. Should be on 16180 kHz
10715	17-8	2200	Sun	53417 14343 75581 03352 85804 73241
5855	18-8	0500	Mon	53417 14343 75581 03352 85804 73141
10345	18-8	0600	Mon	53417 14343 75581 03352 85804 73141
9330	18-8	0700	Mon	53417 14343 75581 03352 85804 73241. Problematic txm. See N&O 203
9065	18-8	0800	Mon	53417 14343 75581 03352 85804 73241
9240	18-8	0900	Mon	53417 14343 75581 03352 85804 73241
11435	18-8	1602	Mon	53418 14344 75581 03353 85805 73241
11530	18-8	1700	Mon	53418 14344 75581 03353 85805 73241
11530	18-8	1800	Mon	53418 14344 75581 03353 85805 73241. Should be on 11635 kHz
11635	18-8	1830	Mon	53418 14344 75581 03353 85805 73241. Evidently realized 11530 kHz was the wrong freq
10715	18-8	2208	Mon	53418 14344 75581 03353 85805 73241
11435	19-8	1600	Tue	53419 14345 75582 03354 85806 73242
11530	19-8	1700	Tue	53419 14345 75582 03354 85806 73242

Freq.	Date	UTC	Day	Remarks
11635	19-8	1800	Tue	53419 14345 75582 03354 85806 73242
16180	19-8	2100	Tue	53419 14345 75582 03354 85806 73242
5855	20-8	0459	Wed	Carrier followed by M08a at 0459 UTC. HM01 at 0504 UTC with 53419 14345 75582 03354 85806 73242
10345	20-8	0600	Wed	53419 14345 75582 03354 85806 73242
9330	20-8	0700	Wed	53419 14345 75582 03354 85806 73242
9065	20-8	0800	Wed	53419 14345 75582 03354 85806 73242
9240	20-8	0900	Wed	53419 14345 75582 03354 85806 73242
11435	20-8	1600	Wed	53419 14345 75582 03354 85806 73242
11530	20-8	1700	Wed	53419 14345 75582 03354 85806 73242
11635	20-8	1800	Wed	53419 14345 75582 03354 85806 73242
11635	20-8	2101	Wed	53419 14345 75582 03354 85806 73242
10715	20-8	2158	Wed	53419 14345 75582 03354 85806 73242
11462	21-8	0500	Thu	53419 14345 75582 03354 85806 73242
13435	21-8	0721	Thu	i.p. 53419 14345 75582 03354 85806 73242
11530	21-8	1700	Thu	53419 14345 75582 03354 85806 73242
11635	21-8	1800	Thu	53419 14345 75582 03354 85806 73242
16180	21-8	2100	Thu	53419 14345 75582 03354 85806 73242
17480	21-8	2200	Thu	53419 14345 75582 03354 85806 73242
5855	22-8	0500	Fri	53419 14345 75582 03354 85806 73242
11435	22-8	1601	Fri	41531 14346 75583 03355 85807 73243
11530	22-8	1714	Fri	41531 14346 75583 03355 85807 73243
11635	22-8	1800	Fri	41531 14346 75583 03355 85807 73243
11635	22-8	2114	Fri	41531 14346 75583 03355 85807 73243
11635	22-8	2200	Fri	41531 14346 75583 03355 85807 73243. Starts here but should be on 10715 kHz
10715	22-8	2216	Fri	41531 14346 75583 03355 85807 73243. Comes from 11635 kHz
11462	23-8	0500	Sat	41531 14346 75583 03355 85507 73243
11435	24-8	1606	Sun	41532 14348 75585 03357 17681 73245
11530	24-8	1704	Sun	41532 14348 75585 03357 17681 73245
11635	24-8	1811	Sun	41532 14348 75585 03357 17681 73245
11635	24-8	2104	Sun	41532 14348 75585 03357 17681 73245
10715	24-8	2201	Sun	41532 14348 75585 03357 17681 73245
9330	25-8	0700	Mon	41532 14348 75585 03357 17681 73245
9065	25-8	0800	Mon	41532 14348 75585 03357 17681 73245
11435	25-8	1600	Mon	41533 73121 75586 03358 17681 73246
11530	25-8	1730	Mon	41533 73121 75586 03358 17681 73246
11635	25-8	1800	Mon	41533 73121 75586 03358 17681 73246
11635	25-8	2102	Mon	41533 73121 75586 03358 17681 73246
10715	25-8	2200	Mon	41533 73121 75586 03358 17681 73246
11435	26-8	1603	Tue	41534 73121 75587 37221 17682 73247
11530	26-8	1700	Tue	41534 73121 75587 37221 17682 73247
11635	26-8	1800	Tue	41534 73121 75587 37221 17682 73247
16180	26-8	2059	Tue	41534 73121 75587 37221 17682 73247 i.p.
17480	26-8	2240	Tue	41534 73121 75587 37221 17682 73247
5855	27-8	0500	Wed	41534 73121 75587 37221 17682 73247. Late start at 0504z
10345	27-8	0600	Wed	41534 73121 75587 37221 17682 73247
11435	27-8	1603	Wed	41534 73121 75587 37221 17682 73247
11530	27-8	1659	Wed	41534 73121 75587 37221 17682 73247
11635	27-8	1801	Wed	41534 73121 75587 37221 17682 73247

Freq.	Date	UTC	Day	Remarks
11635	27-8	2118	Wed	i.p. 41534 73121 75587 37221 17682 73247
10715	27-8	2200	Wed	41534 73121 75587 37221 17682 73247
11462	28-8	0525	Thu	i.p. 41534 73121 75587 37221 17682 73247
11435	28-8	1638	Thu	i.p. 41534 73121 75587 37221 17682 73247
11530	28-8	1700	Thu	41534 73121 75587 37221 17682 73247
11635	28-8	1811	Thu	i.p. 41534 73121 75587 37221 17682 73247
16180	28-8	2100	Thu	41534 73121 75587 37221 17682 73247
17480	28-8	2208	Thu	i.p. 41534 73121 75587 37221 17682 73247
5855	29-8	0500	Fri	41534 73121 75587 37221 17682 73247
10345	29-8	0600	Fri	41534 73121 75587 37221 17682 73247
11435	29-8	1559	Fri	41534 73121 75587 37221 17682 73247
11530	29-8	1707	Fri	41535 73122 75588 37221 17683 73248
11635	29-8	1800	Fri	41535 73122 75588 37221 17683 73248
11635	29-8	2100	Fri	41535 73122 75588 37221 17683 73248
10715	29-8	2200	Fri	41535 73122 75588 37221 17683 73248
11435	30-8	1534	Sat	41536 72123 16621 37222 17684 73249
11530	30-8	1656	Sat	41536 72123 16621 37222 17684 73249
11635	30-8	1800	Sat	41536 72123 16621 37222 17684 73249
11635	30-8	2108	Sat	41536 72123 16621 37222 17684 73249. Should be on 16180 kHz
9065	31-8	0830	Sun	i.p.
11435	31-8	1612	Sun	i.p. 41357 7324 16621 37223 17685 52301
11530	31-8	1715	Sun	i.p. 41357 7324 16621 37223 17685 52301
11635	31-8	1800	Sun	41357 7324 16621 37223 17685 52301
11635	31-8	2059	Sun	41357 7324 16621 37223 17685 52301
10715	31-8	2200	Sun	41357 7324 16621 37223 17685 52301

M42 & X06

Russian Government & Intelligence

Modes:
Various digital modes, CW,
Tones (Мазелка / Mazielka)

11126 kHz, 09-08, 1900 UTC, FSK 500/1000. Decoded message, with added spaces by Danix:

```
00000 +++++ +++++ 148 = 895 1
44578 50653 08705 67  = 814 2
02229 57438 71071 990 = 757 3
59282 27200 39549 34  = 848 4
53788 32795 01808 101 = 815 5
61125 78091 97355 71  = 792 6
12330 27115 00269 107 = 842 7
26314 67180 64431 128 = 811 8
83095 25932 98475 92  = 842 9
```

```
47816 38998 60948 148 = 790 10
04506 69514 94988 154 = 790 11
81920 39962 58859 113 = 852 12
32070 40547 31671 85  = 816 13
05800 46797 97578 70  = 847 14
82959 91640 37686 50  = 853 15
78775 29338 21441 32  = 754 16
71104 30980 73979 40  = 842 17
34216 04111 44517 103 = 816 18
31933 68792 84557 93  = 789 19
63267 07187 76306 102 = 844 20
22130 08089 54242 157 = 854 21
55278 51029 69317 103 = 859 22
30710 07477 46421 124 = 818 23
98099 55688 74064 49  = 775 24
38875 65060 26007 85  = 852 25
37329 05655 91292 95  = 861 26
36599 63211 53901 111 = 803 27
29695 31319 35636 86  = 835 28
94599 71117 16953 130 = 805 29
49186 11626 15014 118 = 845 30
33090 57171 36972 74  = 785 31
65768 53212 68145 118 = 834 32
62975 09430 90134 91  = 815 33
60860 53503 83671 36  = 852 34
61548 41397 17118 97  = 817 35
80019 33773 94184 104 = 801 36
79598 91416 87195 82  = 879 37
09514 11742 52158 94  = 889 38
94897 39297 66022 120 = 821 39
53450 95113 56501 99  = 892 40
92030 02610 87414 6   = 844 41
29644 10865 30576 84  = 862 42
06373 22184 50036 105 = 852 43
99477 58153 84187 49  = 833 44
39132 00461 38786 100 = 826 45
99537 50449 95919 126 = 863 46
64577 85423 66549 123 = 890 47
51592 05332 15029 155 = 892 48
42910 83194 43497 124 = 832 49
76674 32669 69245 99  = 771 50
01527 64708 30477 48  = 895 51
39672 16405 84859 92  = 804 52
82709 42188 94639 158 = 829 53
34123 16742 13943 111 = 844 54
28431 95799 89299 136 = 821 55
62956 15698 27083 149 = 832 56
36205 02374 63168 141 = 844 57
06869 80387 85862 73  = 822 58
04994 63734 28618 112 = 858 59
80617 03350 82126 106 = 819 60
48185 90919 12767 140 = 757 61
38855 00998 34225 34  = 845 62
65159 90179 95791 77  = 842 63
81707 15076 71578 88  = 794 64
13675 89452 89171 9   = 870 65
34907 38307 81683 81  = 850 66
11514 83067 02273 116 = 872 67
18700 25165 34723 111 = 826 68
25033 53738 26072 109 = 844 69
```

22831 29627 33206 40) 576 70

16320/14880 kHz, 11-08, 0150/0230 UTC, FSK 200/1000
Link ID 13366 Msg Number 000 : Msg Type 13366 : Group Count (?) 0 00000 00000 00000 01165 00296 00000 00000 56012
Link ID 41018 Msg Number 185 : Msg Type 07145 : Group Count (?) 245 32768 34997 17434 29265 21686 03585 47034 64755
Link ID 41018 Msg Number 185 : Msg Type 07145 : Group Count (?) 245 32768 34997 17434 29265 21686 03601 47038 64755
Link ID 41018 Msg Number 185 : Msg Type 07145 : Group Count (?) 245 32770 34997 17434 12881 21686 03585 47034 64755
Link ID 63615 Msg Number 253 : Msg Type 07165 : Group Count (?) 245 32809 35319 59295 30705 65279 36737 63295 65267
Link ID 08250 Msg Number 185 : Msg Type 07017 : Group Count (?) 244 32768 34980 17434 29267 62902 07681 65466 64759

X06c
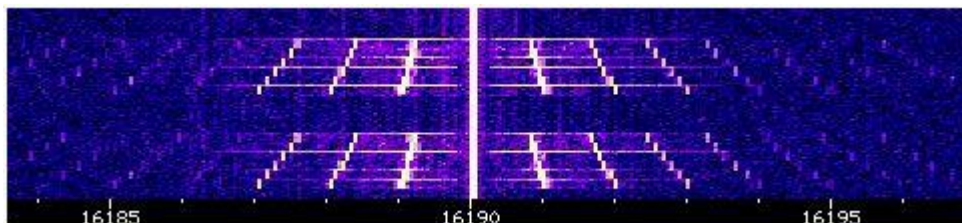
Freq.		Date	UTC	Day	
13506	X06	1-8	0542	Fri	Mazielka. Sequence: 213546
13954	X06	1-8	0542	Fri	Mazielka. Sequence: 213546
13954	X06	1-8	0546	Fri	Mazielka. Sequence: 213546
13506	X06	1-8	0549	Fri	Mazielka. Sequence: 213546
16320	X06	1-8	0641	Fri	Mazielka. Sequence: 241563
16320	X06	1-8	0703	Fri	Mazielka. Sequence: 241563
16219	X06	1-8	0842	Fri	Mazielka. Sequence: 324615
12215	X06	1-8	0954	Fri	Mazielka. Sequence: 361245
14824	X06	1-8	1012	Fri	Mazielka. Sequence: 625413
11438	X06	4-8	1545	Mon	Mazielka. Sequence: 532614
14650	X06	4-8	1620	Mon	Mazielka. Sequence: 215346
18206	X06	5-8	0914	Tue	Mazielka. Sequence: 246531
9288	X06	8-8	0626	Fri	Mazielka. Sequence: 356412
14863	X06	8-8	1001	Fri	Mazielka. Sequence: 615243
12224	X06	11-8	1007	Mon	Mazielka. Sequence: 463125
14675	X06	12-8	1030	Tue	Mazielka. Sequence: 612534
12200	X06	13-8	0845	Wed	Mazielka. Sequence: 134265
14560	X06	13-8	1057	Wed	Mazielka. Sequence: 621543
14970	X06	13-8	1543	Wed	Mazielka. Sequence: 216354
14720	X06	15-8	0636	Fri	Mazielka. Sequence: 241563
16219	X06	15-8	0836	Fri	Mazielka. Sequence: 324615.
14552	X06	15-8	1000	Fri	Mazielka. Sequence: 361245
12142	X06	18-8	0657	Mon	Mazielka. Sequence: 261453
14825	X06	18-8	0751	Mon	Mazielka. Sequence: 641523.
14358	X06	19-8	0837	Tue	Mazielka. Sequence: 154263
19610	X06	22-8	0530	Fri	Mazielka. Sequence: 216435
14970	X06	22-8	0815	Fri	Mazielka. Sequence: 216354
12109	X06	25-8	0840	Mon	Mazielka. Sequence: 431625.
10372	X06	25-8	0844	Mon	Mazielka. Sequence: 216354.
13510	X06	25-8	1104	Mon	Mazielka. Sequence: 612534
15656	X06	25-8	1240	Mon	Mazielka. Sequence: 364152
16115	X06	25-8	1350	Mon	Mazielka. Sequence: 215346
11153	X06	27-8	0842	Wed	Mazielka. Sequence: 465132 mixing with a CROWD-36 transmission
16116	X06	27-8	0849	Wed	Mazielka. Sequence: 164253
16116	X06	27-8	0854	Wed	Mazielka. Sequence: 134265

Freq.		Date	UTC	Day	
14419	X06	28-8	0752	Thu	Mazielka. Sequence: 521634
9106	X06	28-8	1513	Thu	Mazielka. Sequence: 564213
14863	X06	29-8	0958	Fri	Mazielka. Sequence: 615243
16190	X06c	4-8	0703	Mon	Mazielka. Sequence: 123456. Very long transmission. Ends at 0941 UTC
18260	X06c	4-8	0908	Mon	Mazielka. Sequence: 123456

M42 logs

Freq.	Date	UTC	Remarks	Mode
6773	1-8	0327	Russian Gov. PRBO clg 7ZGR in CW. QSA check: QSY 99686 ZZC ZVP SLV and into RTTY with 5F msg using =50= group marker	Baudot 50/500
17482	2-8	1200	Russian diplo/intel. 6 54	FSK 200/500
15967	2-8	1210	Russian diplo/intel. 6 54	FSK 200/500
13396	2-8	1220	Russian diplo/intel. 6 54	FSK 200/500
9085	5-8	0645	Russian diplo	CROWD-36
11076	7-8	0704	Russian diplo/intel. Msg for link 45136	FSK 200/1000
11027	8-8	0514	Russian diplo	USB/Serdolik MFSK/40/1500
11025	8-8	0617	RKV23: Russian Gov/PtP, Tyumen	RUS-ARQ 100/500
11148	8-8	0620	Russian diplo/intel. Msg for link 40988	FSK 200/1000
11126	9-8	1900	Russian diplo/intel. 00000 +++++ +++++ 148 = 895 1 44578 50653 08705 67 = 814 2 02229 57438 71071 990	FSK 200/500
16320	11-8	0150	Russian diplo/intel. Messages for links 13366, 41018, 63615, 08250	FSK 200/1000
14880	11-8	0230	Russian diplo/intel. Messages for links 13366, 41018, 63615, 08250	FSK 200/1000
9164	11-8	1025	Russian diplo/intel. 00000++++227 47679286221159177=8032 etc..	FSK 200/1000
11076	11-8	1025	Russian diplo/intel. 00000++++227 47679286221159177=8032 etc..	FSK 200/1000
10828	14-8	1903	Russian gov./intel. Null message 00000++++++++++162)5761	Baudot 200/500
6830	18-8	0538	RWI: Russian station idling then RYF2 DE RWI QSA?	Baudot 50/500
6950	18-8	0621	RZT71: Russian station. CW call up RCZ32 DE RZT71 ZSC then into FSK 100/500	FSK 100/500 + CW
6830	21-8	1659	RNM6: Russian station idling then RRQ6 DE RNM6 QSA?	Baudot 50/500
16074	25-8	1533	Russian diplo/intel.	FSK 200/1000
10828	28-8	1900	Russian diplo/intel. 6 54	FSK 200/500
8144	28-8	1910	Russian diplo/intel. 6 54	FSK 200/500
5803	28-8	1920	Russian diplo/intel. 6 54	FSK 200/500
5342	29-8	1828	BZL26: Russian Gov.	Baudot 50/500
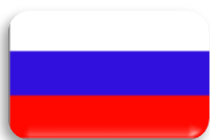
XP family

XPA2, 20918/16138 kHz, 01-08, 0700/0740 UTC
07194 00001 00000 10140

XPA, 12168/13368 kHz, 02-08, 0620/0640 UTC
813 813 813 000
01554 00001 00000

XPA2, 12138 kHz, 03-08, 2140 UTC
09179 00001 00000 10140

XPA2, 21918/16318 kHz, 08-08, 0700/0740 UTC
7114 0 00000 00030

XPA, 10868/12168/13368 kHz, 09-08, 0600 UTC
813 813 813 000
07724 00001 00000 10140

XPA2, 14738 kHz, 10-08, 2000 UTC
09142 00077 18586 16991 96199 54605 02442 10484 94191 32241
82248 58257 97951 74639 58045 47593 15904 79654 31350 20638
17837 16745 33577 98526 36001 22445 01578 07203 78748 93604
80135 54247 96104 04320 44934 81118 66770 57185 44401 95958
17726 82241 5117 80457 20639 935525 82617 60710 88293 41455
44001 52525 08802 98744 79804 05911 34346 82803 06251 56064
11590 97578 18638 22588 26998 02466 01447 32310 29477 32361
63850 66569 10416 60420 55072 07901 19878 43890 07698 00641

XPA2, 21918/16318 kHz, 12-08, 0700/0740 UTC
00571 00085 88548 94482 73555 52797 09699 01256 33945 92269
55865 89698 23583 83243 43950 70300 92067 75206 84605 94420
39026 77124 36287 54711 55699 02426 29951 00598 46975 03044
51881 26150 75530 47292 65476 23391 75186 85440 93465 41295
98212 45227 19550 64191 22825 55147 14024 11790 79578 55029
 87239 47168 00025 15537 47394 75706 45223 01549 63409 48779
92451 69518 39646 97141 81416 58602 05413 03906 22453 37147
20870 85160 53947 86651 44091 36179 09078 83084 28270 51768
07237 72622 66803 54746 41315 26026 53750 47244

XPA, 12187/10787 kHz, 12-08, 1730/1750 UTC
XPA, 12187/10787 kHz, 14-08, 1730/1750 UTC
XPA, 10787 kHz, 19-08, 1750 UTC
173 173 173 1
02221 00191 15484 71571 82609 82457 20196 19966 15792 70001
06245 41672 47977 48862 61281 88749 63885 70029 08743 11936
06280 98609 00766 08537 70969 46059 89584 27512 97401 73815
77872 06511 91058 72419 20206 99921 41761 01423 04594 55969
25357 90351 15226 51698 84564 70917 77288 99716 89730 12891
35905 14594 08290 40489 11903 25601 25707 25093 40963 43002
91066 75149 72670 86140
67929 77195 85033 73268 17924 45767 90786 21665 70816 99010
68861 77342 37478 07352 25559 78549 97832 25684 77186 51896
08219 13990 07959 70555 91383 44238 17879 86892 63482 95587
28826 28894 98383 03251 71141 70155 66373 24564 69880 26301
79997 50943 68198 20374 75159 64840 98634 41675 93198 75841
98706 06315 08423 02937 80310 56691 65677 95665 79138 81986
74021 90424 82819 96819
16072 94375 64928 41166 33524 42081 80315 09498 29598 68188
54572 59886 03775 18139 45800 05695 14419 31722 93646 65428
36466 08272 48962 13387 67992 68757 10907 14575 67079 40005
91759 23579 72856 85971 78840 80376 18388 28855 27766 09609
69119 13684 42947 16695 99569 09008 52148 07288 62077 80482
78513 60262 04397 81637 71167 02222 81383 24372 30652 57634
77934 93033 72511 97292 50517 03202

XPA, 10868 kHz, 13-08, 0600 UTC
813 813 813 1
00924 00227 27142 41293

XPA2, 21918 kHz, 15-08, 0700 UTC / XPA2, 21918/16318 kHz, 19-08, 0700 UTC
07203 00001 00000 10140

XPA2, 13923 kHz, 15-08, 1940 UTC
03724 00089 89506 52383 53305 29353 65318 68408 43243 06647
45894 41856 85808 00945 11637 20813 46028 41967 88154 45278
86367 42662 01538 19161 85487 30644 92110 97507 57847 23664
69159 53187 44458 40006 49613 23399 30250 86637 61320 83498
88893 75368 03381 69124 61282 55335 79114 46330 13674 99277
17607 15689 51328 19613 78941 12816 20477 06259 25037 87325
01331 03032 50005 21022 13330 87705 80009 34812 33492 44367
40333 00347 55800 01794 63644 59233 66549 35063 70001 31000
46733 00000 44802 30733 81343 77687 48660 78001 77720 00812
86811 50111

XPA2, 16314 kHz, 19-08, 1900 UTC
00782 00000 00000 00030

XPA2, 14738 kHz, 19-08, 2000 UTC
04366 00001 00000 10140

XPA2, 15814/14514 kHz, 19-08, 1920/1840 UTC
01782 00001 00000 10140

XPA2, 12138 kHz, 19-08, 2040 UTC
04366 00000 00013

XPA, 10868/12168/13368 kHz, 20-08, 0600/0620/0640 UTC
813 813 813 000
02046 00001 00000 10140

XPA2, 16314/15814 kHz, 21-08, 1900/1920 UTC
01476 00001 00000 10140

XPA2, 21918/16318 kHz, 22-08, 0700/0740 UTC
07203 00001 00000 10140

XPA2, 16167/14663/13923 kHz, 22-08, 1900/1920/1940 UTC
01269 00001 00000 10140

XPA2, 14738/13438/12138 kHz, 24-08, 2000/2020/2040 UTC
02790 00001 00000 10140

XPA2, 21918/20018/16318 kHz, 26-08, 0700/0720/0740 UTC
00344 00113 75470 21022 30011 81338 14608 15188 10311 24811
34579 68003 88158 27035 86003 72066 96024 42468 13167 87110
52781 85533 17607 77645 35726 39972 68547 90117 13447 94011
94942 42202 34442 15598 86828 96701 05712 08138 90267 12510
75519 99720 75746 29713 79663 46946 23953 27267 49231 11430
22810 52957 91288 52220 78032 33813 67149 94788 96524 79492
22845 24508 92831 67717 54360 96979 41832 52454 05558 33672
71785 61393 47797 90930 99900 24473 57105 43900 47433 86765
42262 50384 67157 85008 86894 22414 73942 91962 00518 13510
94672 25944 00160 51493 00622 77844 7000755228 53376 52094
14816 40877 74104 33835 43642 46003 58388 13249 92433 70935
71609 05750 38203 60066 02845 24734

XPA2, 16314/15814/14514 kHz, 26-08, 1900/1920/1940 UTC
XPA2, 16314/15814/14514 kHz, 28-08, 1900/1920/1940 UTC
00337 00217 29889 95212 88717 23172 68232 92954 75312 29958
28709 41441 42438 41954 50353 11917 33402 39783 20225 84860
35706 43521 37521 21212 11495 27447 57202 58294 16507 13643
11842 75428 94364 59756 00702 93389 86033 72846 32003 22570
94834 48051 59984 85975 40278 55526 90879 74381 22243 31364
44286 16627 52482 51378 17689 15316 51711 68343 07761 59193
01201 55422 06797 10626 00426 77995 77439 75495 00159 08373
09485 30729 93344 34386 68585 48069 56880 35749 36679 63188
33420 33799 25617 91626 49205 83878 692   54450 67955 62304
95634 51252 93350 54738 3320 21955571075 44769 41107 55622
85915 05008 44443 61441 51047 07233 65910 02503 49667 48150
15100 79361 85013 01969 38774 85231 22501 98707 44016 45232
46327 38841 62222 33971 81274 93330 82873 83055 18574 30923
29668 48915 03223 65593 02862 62865 33795 19229 54896 32912
21418 25568 82383 97957 23283 99898 84697 17291 31339 85336
46231 13673 55452 53129 48368 57738 17956 42974 15988 54561
47052 98416 31995 30761 83000 18832 66272 61710 33175 67634
98446 55262 99852 06693 16989 15026 29968 00247 60095 73759
78461 80372 80729 20618 07248 54155 21988 61981 14613 34239
99173 20224 72110 10636 18644 35506 42357 32318 98213 74917
36074 70861 59079 23984 66949 98175 19020 23264 61022 05591
10219 77408 15773 88320 90942 47183 48354 35391 23929 04632

XPA, 10868/12168/11368 kHz, 27-08, 0600/0620/0640 UTC
813 813 813 000
08087 00001 00000 10140

XPA, 10787 kHz, 28-08, 1750 UTC
07099 00001 00000 10140

XPA2, 21918/20018 kHz, 29-08, 0700/0720 UTC
03364 00001 00000 10140

XPA2, 16167/13923 kHz, 29-08, 19900/1940 UTC
08617 00001 00000 10140

North Korean diplomatic stations

10550 kHz, 4-8, 0606 UTC, DPRK-ARQ 600/600/LSB
18035 kHz, 19-8, 1012 UTC, DPRK-ARQ 600/600/LSB

Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

Freq.	Date	UTC	Day	Remarks	mode
16341.7	1-8	1208	Fri	MFA Cairo clg embassy Djibuti (KKXD)	SITOR-A 100/170
16341.7	1-8	1208	Fri	MFA Cairo clg KKXD: Egyptian embassy Djibuti	Sitor-A 100/170
11033	5-8	1821	Tue	MFA Cairo clg XBVP embassy Rome	Sitor-A 100/170
11033	7-8	1952	Thu	03: Egyptian embassy Rabat MRC answers call from 99909 MFA Cairo into Simplex Codan 9001 traffic	Codan chirp/80/2800
11033	7-8	1952	Thu	99909: MFA Cairo clg 03 embassy Rabat	Codan Chirp/80/2800
11115	8-8	0628	Fri	MFA Cairo clg OOVX embassy Ankara, into CODAN 9001 modem traffic	Sitor-A 100/170
10820	14-8	2021	Thu	MFA Cairo wkg KKXU embassy Harare	Sitor-A 100/170
10825	15-8	1704	Fri	99910: MFA Cairo clg 11107 embassy Londen	Codan Chrip 80/300
18144.7	19-8	0740	Tue	MFA Cairo clg KKVD embassy Conakry	Sitor-A 100/170
14345	19-8	1543	Tue	MFA Cairo (99902) wkg embassy Islamabad (44405)	Codan Chrip

Chinese diplomatic stations

10987 kHz, 11-8, 1806 UTC, mode: 4+4/75/2450/LSB

UTILITY ROUND-UP

Armenian Air Defense

Freq: 6450 kHz, Armenian Air Defense. Male and female operators reading bearing/range reports
12-8, 1654 UTC   16-8, 1752 UTC   19-8, 1631 UTC   26-8, 1620 UTC

Unid stations

This unid beacon was found by JP via the Siberia remote. It sends slowly 2x "RO" then 3 secs pause and again 2x "RO". The pattern sounds like the Novosibirsk/Tolmachevo airport NDB "RO" which is on 310 kHz. It might be a kind of the front end overloading. Thanks to all who replied to my mail about the subject. Recording available on the UDXF website.

4406 kHz, 05-08, 2141 UTC   RO RO (3 Second pause) RO RO (cont'd)
4406 kHz, 06-08, 1825 UTC   RO RO (3 Second pause) RO RO (cont'd)
4406 kHz, 08-08, 1739 UTC   RO RO (3 Second pause) RO RO (cont'd)

4406 kHz, 09-08, 1840 UTC   RO RO (3 Second pause) RO RO (cont'd)

6823 kHz, 07-08, 1538 UTC. Logged by JPL
VVV K
Z5WC Z5WC Z5WC QTC ZAF AR
Z5WC Z5WC Z5WC QTC ZAF AR
Z5WC Z5WC Z5WC QTC ZAF AR
DAIL DAIL 699 24 7 1930 699 =
ZAF 604 =
DDDDD \AZWNK VAGXI XCV'UL WYFJC (Cont'd)

8077 kHz, 07-08, 1223 UTC. Logged by JPL
i.p. 25121 34611 34302 50321 67770 54524 46776 24316 62671
26064 03374 75626 76114 03223 07019 QLNK (short zero)

5346 kHz, 12-08, 1640 UTC. Logged by JPL
BUX DE KNX QSA? VVV BUX BUXBUX DE KNX QSA? K. QRV K. QSA3 K. R K

6905 kHz, 21-08, 0505 UTC. Logged by Peter.
RFY: unid Russian station. VVV VVV RFY QSA ?
ITU lists it as "Kemorovo". No user is mentioned.

8300 kHz USB. Logged by Ary
06-08, 1205 UTC   Unid. Male spelling or reading numbers in unid language
12-08, 0603 UTC   Unid. Male spelling or reading numbers in unid language
13-08, 1203 UTC   Unid. Male spelling or reading numbers in unid language
20-08, 0608 UTC   Unid. Male spelling or reading numbers in unid language

8439 kHz USB. Logged by Ary
22-08, 1159 UTC   Unid Russian net. Male voices
22-08, 1310 UTC   Unid Russian net. Male voices
22-08, 1631 UTC   Unid Russian net. Male voices
23-08, 1155 UTC   Unid Russian net. Male voices
I could only receive this net via the Hong Kong remote receiver.

RUSSIAN MILITARY TRANSCRIPTS

The following compilation of Russian military intercepts includes loggings from Wolfgang, Topol, Devoider, Tom, Jim, Ary, Peter, Antonio

Note:
Callsign "WEGI" has a long history. We now see > this callsign mainly in flash messages. Originally it was the used in messages to pass the coordinates of the presidential plane. The messages were on perforated tapes, fed into the KTSOS system and then transmitted to WEGI. KTSOS is a system for technical message processing, technical standard AUVYU.466514.001 TU. Callsign "LDBO" is a broadcast-only system for an organization within the SRF. LDBO is the everybody audience, the "clones" using other callsigns on LDBO frequencies are for more specific, narrower audiences. They sometimes used to open up separate Morse nets using only single calls and (often) 4LG messages.

6865.5 kHz, 21-08, 1822 UTC   VVV RTH62 DE EYA31 QSA ?
6889.0 kHz, 18-08, 1405 UTC   VVV RTH62 DE ULC85 QSA3 QSA?
Copied by Peter. This is probably a CIS military net with stations from Russia, Uzbekistan, Tadzhikistan and possibly other countries.

RMv/RNv/RNAv/RAv/RADv
Russian military stations
Frequency: various
Mode: USB / voice

Russian Military – RMv

11049 kHz, 08-08, 1746 UTC	OTSIRIA-892 with test count and duplex chat. Later clg KATOK- 463
5629 kHz, 19-08, 1956 UTC	Malka-81. OMs with problems in comms, one was confirming what sounded like

Russian Air Defense - RADv

4525.5 kHz, 17-08, 2140 UTC	Russian YL with callups and/or status messages time of arrival
6875 kHz, 21-08, 1621 UTC	Short announcements by Russian YL
6880 kHz, 21-08, 1904 UTC	Russian YL with announcements, no replies

Russian Naval Air Transport – RNAv

11354 kHz, 30-08, 0829 UTC	PRIBOY: Russian Naval Air Transport Moscow

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M32
Russian/CIS Military CW Stations

5213 kHz, 01-08, 1414 UTC	7W5K DE ARNR K. DE 7W5K K. QTC K. QRV K. DE ARNR QTC = 858 33 01 2015 858 = 963 = 11111 T9774 24604 25703 17122 79403 58568 (Cont'd)
5442 kHz, 03-08, 1705 UTC	6DQX DE 3OP9 K
6822 kHz, 03-08, 2321 UTC	IMBS DE TBNB K. VVV VVV DE TBNB QSA 3 K
5790 kHz, 01-08, 0308 UTC	QFV5 clg QRSN; duplex net
9134.8 kHz, 03-08, 0617 UTC	SFWH DE QZKM QRJ3 QTC 734 52 3 0952 734 = FM 903354 FOR 556376 = PWTKS ….
9134 kHz, 03-08, 0605 UTC	S4NB DE OFJ3 QTC 908 22 3 1000 908 = 422 =
14384 kHz, 01-08, 1155 UTC	7ADA T2 3 ç15 42 T 22 K
14646 kHz, 01-08, 2125 UTC	6G DE CCMB K
5416 kHz, 05-08, 2004 UTC	GKMM QTC ZLF K. GKMM 730 30 600 03 730 = ZLF 028 = ChWGöG FCEPM EFFLR … SXCKY OBVZL PWPWY 575 K. Not sure about preamble.
6753 kHz, 05-08, 1904 UTC	RFFN QSA? K. QTC. RFFN 716 5 5 2300 716 = 558 718 727 = 43660 30000 05002 = RFFN K. Then message to RFFR.
10962 kHz, 06-08, 1715 UTC	SL7G clg ZRJM and JZMN
13479 kHz, 05-08, 0657 UTC	XXX XXX 1QRF 1QRF 41406 GRANATA 5606 8487
13479 kHz, 05-08, 0750 UTC	XXX XXX 1QRF 1QRF 81150 TRAKTIR 6392 5155
13479 kHz, 05-08, 0732 UTC	XXX XXX JUE4 JUE4 MJUR MJUR 62… … = DDDDD (too weak to copy correctly).
13479 kHz, 05-08, 0757 UTC	XXX XXX MSK7 MSK7 49917 SOLECIZM 8349 5023
13479 kHz, 05-08, 0850 UTC	XXX XXX 55735 AREWA 5959 8261 OTREOeNNYJ 3437 5034
13479 kHz, 04-08, 1238 UTC	XXX XXX 1QRF 1QRF 06867 PEREWODNYJ 9602 9107
12832 kHz, 04-08, 1246 UTC	XXX XXX WEGI WEGI 86090 52371 PEREWODNYJ 9602 9107
13479 kHz, 04-08, 1246 UTC	XXX XXX 1QRF 1QRF 30590 PERWOAeQER 3464 1018
12832 kHz, 04-08, 1255 UTC	XXX XXX RGT77 RGT77 56422 46470 WERBOCWET 7175 9432
12832 kHz, 04-08, 1259 UTC	XXX XXX WEGI WEGI 31592 18703 PERWOAeQER 3464 1017
10452 kHz, 09-08, 1714 UTC	RDL: Routine message in progress … 78541 32405 43080 22159 …
11074.8 kHz, 07-08, 0548 UTC	Russian military, Baudot 1,5 stb/50/250E encrypted traffic ending ++++++ then into CW: QTC 118 52 7 0930 118 = FM 65981 FOR 183155
14552 kHz, 11-08, 1143 UTC	XXX XXX G5CX G5CX F2ET F2ET 38207 06079 XARNEWA 2048 3348 K
6753 kHz, 11-08, 1917 UTC	VVV RFFP RFFP de RFFN RFFN QSA?
8447 kHz, 13-08, 1845 UTC	RDL: Russian Strategic Mil Bcast. BEE/50/180 T-600 then FSK/Morse RDL x3 25131 81209 25131 81209 25131 81209 K. Unlisted freq. Refugee from 8448 kHz?
13816 kHz, 08-08, 1317 UTC	i.p. 1888 8 E1655 188= T= MMMMM...
14384 kHz, 01-08, 1155 UTC	7ADA T2 3 ç15 42 T 22 K
14646 kHz, 01-08, 2125 UTC	..6G DE CCMB K

5214 kHz, 05-08, 2240 UTC	TFQP TFQP DE OSWD OSWD K
16048 kHz, 12-08, 1514 UTC	OCAA de Z7IU K
16089 kHz, 04-08, 1920 UTC	VVVVVVVVVVVVVVVVVVVVVVVV PTMP PTMP DE ALPN ALPN K
16089 kHz, 06-08, 1650 UTC	VVVVVVVVVVVVVVVVVVVVVVVV PTMP PTMP DE ALPN ALPN K
10969 kHz, 14-08, 1857 UTC	6XNZ QRV 6XNZ QTC 774 20 14 2246 774 = 410 = COIUX .....
10987 kHz, 10-08, 1710 UTC	DE SKC1 QTC 195 23 13 2306 195 = in parallel or spurious on 10962
4419 kHz, 17-08, 2106 UTC	N2KG clg MCY8, KGQH, 8LLP, W6AU, FG3W and F3PA. Also sending 5LG's
3592 kHz, 18-08, 2052 UTC	29803 eeee 07934 29803 46802 98422 43185 39065 32302 47417 00857 72545 95899
	41500 87966 54439 55952 62977 24673 06500 67651 1828. 40863 32020 82758 19023 363
	= LDBO LDBO LDBO QTC 521 26 19 0050 521 = 042 = 07934 29803 46802 (Repeats message)
4128 kHz, 18-08, 2058 UTC	XJIB DE LPXA QSA ? K. XJIB QSA 4 K. QSA 4 R K
18.1 kHz, 20-08, 1636 UTC	RDL 11111 96401 00397 30736 30730 ... 66836 19962 20962 65329 20110 K.
10183 kHz, 18-08, 1537 UTC	IK7R IK7R IK7R DE M8TK M8TK K. BK QSA 2 QSY 38701 QSY 38701 K. QSA 2 QSY 38701
	38701 K. OK AS K. RPT K. QSA 2 QSY 38701 W EEEE QSY 38701 38701 K. IK7R DE M8TK QSY
	23185 23185 K. QSY 23185 23185 K. IK7R DE M8TK QSY 23185 23185 K. BK QSA 3 QSA ? K.
	RPT K. QSA 3 QSA 3 EEEE QSA 3 QSA ? K. OK OK ZZC ZVP K. SLV K. BK QRV K. BK RPT K. R
9124.5 kHz, 19-08, 1214 UTC	i.p = 93271 6?792 06375 42096 30948 61055 73081 60849 34785 97614 75192 897??
	76315 = + NW RPT AA? = 76314 23894 26047 42098 70638 27418 75293 2?746 19025 675
6810 kHz, 22-08, 0512 UTC	JDD6 duplex circuit ,net control QSA checks with several stations a.o. 8S3N, 2GNW
6846 kHz, 18-08, 1720 UTC	6FYN DE LGNU QTC 199 15 18 2048 199 = 890 =
6870 kHz, 20-08, 0403 UTC	VVV VVV PUKQ DE WKLS QSA?
6912 kHz, 19-08, 1340 UTC	1NKC QTC 276 25 19 1720 276 = ZJC 321 = PPPPP
6983 kHz, 19-08, 0611 UTC	5VTG DE DQPK QTC 482 27 19 1000 482 = 363 =
6906 kHz, 19-08, 1954 UTC	I4A clg S3MF
6854.7 kHz, 18-08, 0609 UTC	STAX DE ZW9S QRV bk bk rpt aa 1tk
6994 kHz, 18-08, 1855 UTC	DE 3AMU QRJ3 K RK
6994 kHz, 21-08, 1654 UTC	DE NLD7 QRJ3 K RK
18.1 kHz, 22-08, 1533 UTC	RDL 11111 18537 ... 64631 22117 K followed immediately by another.
4799 kHz, 24-08, 2052 UTC	XHP7 de 1RYX K
4303 kHz, 24-08, 2100 UTC	3NOZ de PDMP with QSA reports and 833 4924 1000 833
4028 kHz, 25-08, 2048 UTC	Y6A9 QTC ZYY AR then 5lgs
6846 kHz, 26-08, 1723 UTC	MQVE de E73I ... ZWS ZRT ZTM K. R K.
6767 kHz, 27-08, 1858 UTC	G41Y de VUBI QTC K. 5888 kHz-G41Y QRV K. 125 23 27 2246 125 = 546 = FHüAS BWLTS
	AVLUZ HDNPK AVLUZ ... SGIFE LGCKK ODMOK VSMäO WUPWP 982 RPT AL K
5888 kHz, 27-08, 1903 UTC	G41Y R 982 K. W/w NCS on 6767 kHz.
7950.5 kHz, 23-08, 1917 UTC	LEAX QTC 109 26 23 2311 109 = ZWP =
7957 kHz, 25-08, 0509 UTC	HSY DE BDOM QTC 676 20 25 0904 676 = 312 = MMMMM
7978 kHz, 25-09, 0508 UTC	BKNY DE WQVS QTC 1 ZZC ZVG SLD K
7981 kHz, 28-08, 1047 UTC	Y7CF 5F message to PQWK
7976 kHz, 26-08, 0501 UTC	LDBO LDBO QTC 192 30 26 0900 192 = 680 =
7822 kHz, 26-08, 1902 UTC	5L message after RGT77 RGT77 519 = ppppp
7827 kHz, 25-08, 1639 UTC	5L message after RGT77 RGT77 096 = UVZKL
5293 kHz, 30-08, 1527 UTC	4XPT DE QSZY K

M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

5823 kHz, 01-08, 0304 UTC	RKA2 clg RAL2 with QSA
6832 kHz, 03-08, 0550 UTC	RFK99 DE RMP
6877 kHz, 01-08, 0338 UTC	RLO DE RIT QTC 276 46 1 0734 275 = PROGNOZ POGODY
7804 kHz, 04-08, 1620 UTC	i.p. ... CPHWA EQIXQ ääLUD ... äLVPL VZJSA UEWFE = = ZSL ? K. OK AS 15 K.
10543 kHz, 07-08, 0713 UTC	XXX XXX RJV RJV 00461 29069 DIALEKTAT 0806 7488 K
5224 kHz, 06-08, 2133 UTC	RCV R K
14556 kHz, 11-08, 1357 UTC	i.p. 12044/11992 QSX 12414/12374 FM RAA K
10164 kHz, 11-08, 1146 UTC	XXX XXX RGT77 RGT77 93184 60297 TURNE 7115 4780 K
4416 kHz, 14-08, 0010 UTC	RJD56 DE RJI70 542 23 14 0401 542 = SML FM RCQE RJI90 FOR RJH45 RJH74 = 14001 99690

	10364 41/98 32008 10140 49960 54005 70211 8//// 22200 0//// 2//// 3//// 4//// 80000 88000 14017 = + RJI70 K
4478 kHz, 14-08, 0001 UTC	RJD99 DE RAG43 886 19 14 0400 886 = SML FOR RJH45 RJH74 = 14001 99672 10416 41597 32504 10120 49990 57010 70221 836// 22272 0//// 2//// 3//// 4//// 14015 = + RAG43 K
4478 kHz, 14-08, 0031 UTC	RJD99 DE RMLZ 839 16 14 838 = FOR RJH45 RJ.. RJD90 = 14001 99664 10407 41597 70400 10100 400.2 ...8//// 22200 00050 ... RMLZ K
4038 kHz, 01-08, 2107 UTC	RDO DE RIT K
10984 kHz, 15-08, 2036 UTC	RCV DE RFH80 K
14556 kHz, 15-08, 1613 UTC	DE RIW RIW QYT4 QWH 12948 / 119 72 QSX 12 370/16 599 FM RAA K
6458 kHz, 18-08, 2108 UTC,	Radioprognoz i.p. ... 40010 00001 00612 40031 00002 00612 50012 00005 00612 50014 00006 00612 50015 00102 00612 40011 AR
6832 kHz, 19-08, 0620 UTC	RMP85 RMS25 DE RMP QSU1 QSX 4763 QWH 4042 AR (19-Aug-2014)(PPA)
15168 kHz, 23-08, 1225 UTC	RBEG Russian warship wkg RCV
15168 kHz, 23-08, 1225 UTC	RCV DE RBEG QSA NO QSX 13044 K
15168 kHz, 23-08, 1235 UTC	RBEG 796 135 23 1545 796=RKT= MMMMM [...]
15168 kHz, 23-08, 1247 UTC	RCV DE RBEG QRR 3WR K
14540 kHz, 24-08, 0714 UTC	Russian Navy i.p. RJD52 DE RAA ZZD3 K. RJD52 DE RAA ZKM? K. RJD52 RJD52 DE RAA ZKM K.
11000 kHz, 24-08, 0730 UTC	Russian Navy i.p. 16942 QSX 12374/16603 FM RAA K.
11000 kHz, 24-08, 0734 UTC	VVV RHY47 RHY47 RHY47 DE RIW RIW QSA? K
12692 kHz, 23-08, 0711 UTC	RAA DE RMP OK
4635.2 kHz, 24-08, 2012 UTC	RAH82 OK QRU K
6948 kHz, 24-08, 2106 UTC	RLO de RIT
15168 kHz, 23-08, 1225 UTC	RCV DE RBEG QSA NO QSX 13044 K

8345 kHz

04-08, 1807 UTC	RMP DE RMI93 793 14 4 2145 793 = FOR RJH45 RJD38 = 04181 99581 10055 41498 52308 10200 40133 54001 70211 85110 22272 04011 = + RMI93 K
08-08, 2320 UTC	RIT DE RMI93 923 14 9 0300 923 = FOR RJH45 RJH74 = 09001 99712 10189 41497 80209 10100 40150 52010 70322 88721 22212 09011 = + RMI93 K
09-08, 0010 UTC	RBIZ: Navy Ship PM-138. RCV DE RBIZ 363 17 9 0400 363 = FOR RJE73 RJH45 = 09001 99349 10359 41517 52306 10248 40102 52002 70202 85210 22200 00280 20000 88000 09014 = RBIZ K
09-08, 0150 UTC	RIT DE RMI93 115 35 9 0540 115 = SML FOR RIW RIT RMP = 11111 02831 83984 24333 34088 13452 .... 09030 = + RMI93 K
09-08, 0425 UTC	RIT DE RMI93 735 18 9 0620 736 = SML FOR RMP = 11111 95329 59707 82701 00843 ... 09015 = + RMI93 K
09-08, ???? UTC	RCV DE RHL80 QSA? K QYT4 QSX 9852 K
09-08, 0528 UTC	RIT DE RAL68 QSA4 K
09-08, ???? UTC	RCV DE RHV42 QSA? K QSA2 QYT4 QMO K
14-08, 0545 UTC	RCV DE RHV42 143 16 14 0930 143 = FOR RJE73 RJH45 = 14061 99368 10266 40597 13209 10263 40123 54000 70100 82001 22272 00266 20301 14013 = + RHV42 K
14-08, 1720 UTC	RCV DE RHV42 572 16 14 1950 572 = FOR RJE73 RJH45 = 14151 99374 10254 41597 ... 72100 81001 22272 00299 20301 14013 = + RHV42 K
20-08, 0609 UTC	RMP DE RHO 434 18 20 1004 434 = SML FOR RJD38 RIF4 = 20061 99568 10192 42598 82113 10133 49992 57012 88400 22253 00160 20404 3//// 88000 20014 = + RHO62 K
26-08, 0912 UTC	RHO62: Admiral Vladimirskiy. RIT DE RHO62 133 19 26 1310 133 = SML FOR RJD38 RIF4 RJH74 = 26091 99717 10274 41/92 /0205 10102 40217 52012 74544 8//// 22222 00102 2//// 88000 26014 = + RHO62 K

12464 kHz

04-08, 0706 UTC	RCV DE RHL80 QSA? K QSA3 K OK QAP K QYT4 QSX 10201 K
04-08, 1108 UTC	RMP DE RMI93 686 14 4 1500 696 = FOR RJH45 RJD38 = 04121 99576 10071 41798 52506 10280 40135 52015 71101 85011 22262 04011 = + RMI93 K
04-08, 1521 UTC	RFH71 415 19 4 1912 415 = SML FOR RJE73 RJH45 = 04151 99386 10253 41597 63203 10290 40110 54000 70100 81011 22243 00260 20101 04015 = + RFH71 K
04-08, 1348 UTC	23588 T2T 25 = RMI93 K. RMI93 OK QRU K
09-08, 1220 UTC	RFH71: LS NOVOCHERKASSK. RCV DE RFH71 486 20 9 1605 486 = SML FOR RJE73 RJH45 = 09121 99353 10351 41698 21607 10... 40100 57000 70200 80600 22272 00250 10201 20201 32928 40100 09016 = + RFH71 K
09-08, ???? UTC	RIW DE RGR70 QSA3 K OK QAP K
02-08, 1348 UTC	23588 T2T 25 =+RMI93 K","RMI93 OK QRU k
14-08, 0921 UTC	RCV DE RHV42 196 16 14 1400 196 = FOR RJE73 RJH45 = 14091 99372 10265 41598 23 UND WEG WAR ER

	- RCV HAT IHN NOCH ZWEIMAL GERUFEN ....13006 10306 40133 54000 70100 81001 22200 20276 ....
03-08, 1620 UTC	RCV DE RFH70 QSA2 (sets up QYT4)
03-08, 1627 UTC	RCV DE RFH70 OK QYT4 QKM (continues with QYT4 set up)
05-08, 1504 UTC	VVV RIW DE RMRV QSA? RIW DE RMRV QYT4 QSX 19056 RIW DE RMRV QYT4 QWH 16603/12414 FM RAA
19-08, 0625 UTC	RCV DE RCIV 132 16 19 1020 132 = FOR RJH45 RJE73 = 19061 99355 (?) 10349 42797 61805
	10300 40094 51000 70200 82000 22200 00250 29911 19013 = + RCIV K
19-08, 1405 UTC	RCV DE RKB91 776 18 25 1800 776 = SML FOR RMP = 11111 77330 23747 60306 29995 ....
21-08, 1218 UTC	RFH71: Novocherkassk Amph. Landing ship. "RCV DE RFH71 QSA 3 K"
30-08, 1410 UTC	RKB91: Kola tanker. "RCV DE RKB91 QSA? K"

14556 kHz

09-08, 1648 UTC	RIW OK QYT4 SK K
20-08, 1125 UTC	i.p. ..772 24871 05969 12182 75695 05579 66334 38538 68074 31901 20046 = RPT AL
	AR RIW K. RIW RPT 37 K. RIW RPT 37 K. RIW QRU QRU? K
21-08, 0852 UTC	i.p. .1703 QSX 12414/8330 FM RAA K. RIW R K

11000 kHz

11-08, 1434 UTC	RFK93 DE RIW K. RIW QYT4 SK K. RFK93 DE RIW K. RIW QYT4 SK FM RAA K RIW QTC K
	RIW 235 43 11 0 946 235 = FM RAA = 36656 69384 26957 29743 90476 79732 ....
01-08, 0906 UTC	i.p. E6OR TKIFPA D SK DERIW K RCRE DE RIW RPT AL K
08-08, 1804 UTC	DE RIW RIW K QYT4 SK RIW K
13-08, 1817 UTC	DE RIW RIW QYT 4 SK FM RAA K RIW QYT4 QSX 1660....

11155 kHz

05-08, 1810 UTC	RIT: Severomorsk. Ends QSO: RIT R K.
08-08, 1709 UTC	RIT clg RCQE
09-08, 0525 UTC	VVV VVV RAL68 DE RIT QSA?
06-08, 1808 UTC	RJY96 DE RIT QYT4 QSX 6238 QWH 8599

4095.5 kHz, 03-08

2105	VVV RJD99 DE RBE99 QSA? QTC
2106	RBE99 815 17 4 0101 815 = FOR RJH74 RJD90 = 03211 99649 10357 22232
	64.9N 35.7E heading SE @ 6-10kts https://goo.gl/maps/eLynN
2119	RJD99 DE RJP50 QSA? QTC
2120	RJP50 (too faint)

4095.5 kHz, 04-08

0000	RJD99 DE RJP50 QSA2 QRV
0002	RJP50 NR 586 RPT 7 100
0004	RJP50 R 586
0011	VVV RJD99 DE RJP50 QSA? QTC
0012	RJP50 444 38 4 0405 444 = FOR RIT RJD99 = 11111 84315 ..... 23376 04035 = + RJP50
0022	VVV RJD99 DE RJP50 QSA? QTC
0023	RJP50 119 17 4 0415 119 = FOR RJH45 RJH74 = 04001 99677 10411 22272
	67.7N 41.1E heading NW @ 6-10kts https://goo.gl/maps/m6Khk
2105	VVV RJD99 DE RBE99 QSA? QTC
2106	RBE99 736 17 5 0101 736 = FOR RJH74 RJD99 = 04211 99647 10365 22200
	64.7N 36.5E Hove to https://goo.gl/maps/UOeu0

4416 kHz, 12-08

0003	VVV RJD99 DE RBHV QSA? QTC
0004	RBHV 285 19 12 0400 285 = FOR RJH74 RJD90 = 12001 99652 10992 22200
	*65.2N 99.2E hove to https://goo.gl/maps/l91bX *** - position most certainly incorrect!*
0007	VVV RJD99 DE RMLZ QSA? QTC
0008	RMLZ 831 16 12 0400 831 = FOR RJH45 RJH74 RJD90 = 12001 99664 10407 22200
	66.4N 40.7E Hove to https://goo.gl/maps/xkkwU
0009	VVV RJD99 DE RJP50 QSA? QTC
0010	RJP50 111 18 12 0405 111 = FOR RJH45 RJH74 RJD90 = 12001 99670 10416 22282
	67.0N 41.6E heading N @ 6-10kts https://goo.gl/maps/9Ju1d

8345 kHz, 04-08

1100	VVV RMP DE RMI93 QSA? QTC
1104	VVV RMP DE RMI93 QSA? QTC
1105	VVV RIT DE RMI93 QSA? QTC
1351	VVV RMP DE RMI93 QSA? QTC
1352	VVV RIW DE RMI93 QSA? QTC
1835	VVV RIT DE RCQE QSA? QTC
1837	RCQE 711 21 4 2235 711 = SML FM RCQE RJI70 FOR RJH45 RJH74 = 04181 09677(sic) 10408 22200
	67.7N 40.8E Hove to https://goo.gl/maps/zzMG8
1843	RCV DE RHL80 QYT4 QSA4
1912	RMP DE RMI93 QSA1
1914	RMP DE RMI93 QYT4 QSA2
1919	RMI93 QYT4 QSX 8454
1930	RMP DE RMI93 QYT QSA3(sic)
1933	VVV RMP DE RMI93 QSA?
1934	RMP DE RMI93 QYT4 QSX 7648
1952	VVV RIT DE RJY96 QSA?
1953	RIT DE RJY96 QYT4?
2002	RJY96 OK QYT4 QSX 4153 QWH 5444
2008	RIT DE RJY96 QYT4 QSX 8599 OK?
2038	RIT DE RJY96 QYT4 QSX 5928 OK?
2047	RIT DE RJY96 QYT4 QSX 7184 OK?
2100	RIT DE RJY96 QYT4 QSX 10308 OK?
2110	VVV RCV DE RHL80 QYT4 QSA?
2112	RCV DE RHL80 QYT4 QSX 7195
2115	RJY96 ??? 5 0110 731 = SML FOR RMP = 11111 46677 ..... 39404 05012 = + RMI93

8345 kHz, 05-08

0002	RCV DE RHL80 QYT4 QSA? (continues with QYT4)
0008	VVV RIW DE RMI93 QSA? QTC
0009	RMI93 ??? 1? 5 0400 ??? = FOR RJH?? (faded)
0422	VVV RIW DE RJY96 QSA?
0424	RIW DE RJY96 QYT4 QSX 7184 OK?
0621	VVV RIT DE RCQE QSA?
0634	RCQE 774 21 5 1021 774 = SML FM RCQE RJI70 FOR RJH45 RJD99 = 05061 (faded)
0646	VVV RMP DE RMI93 QSA? QTC
0647	RMI93 447 35 5 1045 447 = SML FOR RMP RIT RIW = 11111..... (faded)
0800	RMP DE RMI93 QYT4 QSX 10464
0810	VVV RMP DE RMI93 QSA?
0816	VVV RMP DE RMI93 QSA?
0821	RMP DE RMI93 QYT4 QSX 7408
0826	RMP DE RMI93 RPT QYT4 QSX 11068
0835	VVV RMP DE RMI93 QSA?
0836	RMP DE RMI93 QYT4 QMG2
0923	VVV RMP DE RMI93 QSA? (tries for another 25 mins)
0948	VVV RIT DE RMI93 QSA? (gives up)
1349	VVV RMP DE RMI93 QSA? QTC
1704	VVV RCV DE RFH70 QSA? (sets up QYT4)
1717	VVV RIT DE RJY96 QSA?
1718	RIT DE RJY96 QYT4 QSX 4254 OK?
1752	VVV RMP DE RMI93 QSA? QTC
1753	RMI93 542 14 5 2150 542 = FOR RJH45 RJD38 = 05181 99614 10033 22282
	61.4N 03.3E heading N @ 6-10kts https://goo.gl/maps/bzM0I
1809	RJY96 OK QYT4 QSX 6238 QWH 8590
1913	RCV DE RHL80 QSA3
2219	RCV DE RHL80 QSA1
2221	RCV DE RHL80 QYT4 QSA4
2311	VVV RIT DE RMI93 QSA? QTC
2312	RMI93 326 14 6 0305 326 = FOR RJH45 RJH74 = 06001(sic) 99622 10036 22282

8345 kHz, 06-08

0144   VVV RIT DE RMI93 QSA? QTC
0145   RMI93 172 35 6 0540 172 = SML FOR RIW RIT RMP = 11111 52673 ..... 64868 06030 = + RMI93
0310   VVV RCV DE RHL80 QSA?
0311   RCV DE RHL80 QYT4 QSX 9978
0631   VVV RIT DE RCQE QSA? QTC
0652   VVV RIT DE RCQE QSA? QTC

8345 kHz, 10-08

2345   RCV DE RBEG (faded)
2346   RBEG OK QRR3 Q?? 8139
2355   RCV DE RHL80 QYT4 QSA2
2358   RHL80 OK QYT4 QWH ?302

8345 kHz, 17-08

0001   VVV RCV DE RBEG QSA?
0004   VVV RCV DE RBEG QSA?
0015   VVV RCV DE RMUW QSA? QTC
0023   VVV RIW DE RMUW QSA? QTC
0025   VVV RCV DE RBEG QSA?
0031   RCV DE RBEG QRR3 QDW
0032   RCV DE RBEG QRR3 WRK
0033   VVV RCV DE RMUW QSA? QTC
0034   RMUW 358 16 17 0400 358 = SML FOR RJE73 RJH45 = 17001 99356 10351 22232
        35.6N 35.1E heading SE @ 6-10kts https://goo.gl/maps/ya7Ti

RHO62 has been identified as Akademik Krylov Class Survey/Research Ship "Admiral Vladimirskiy", Whilst RJP30 has been identified as Yug Class Survey/Research Ship "Senezh"

8345 kHz, 25-08

2353   RIT DE RJY96 QSA3
2354   RIT DE RJY96 RPT
2355   RJY96 QYR5 QSL 812 NO

8345 kHz, 26-08

0005   VVV RIT DE RHO62 QSA? QTC
0006   RHO62 963 18 26 0405 963 = SML FOR RJD38 RIF4 RJH74 =
        26001 99715 10215 22213
        71.5N 21.5E heading NE @ 11-15kts https://goo.gl/maps/eetHl
0010   VVV RCV DE RBEG QSA?
0011   RCV DE RBEG QRR3 WRK
0044   VVV RIT DE RHO62 QSA? QTC
0045   RHO62 172 49 26 0443 172 = FOR RJD38 RIF4 RJH74 = KKXX 26084 0400/ 17131 02102 88881
        20000 31004 43472
        20010 31004 43473
        20020 30999 43478
        20030 30897 43479
        20050 30658 43502
        20075 30605 43505
        20100 30594 43507
        20125 30583 43507
        20150 30572 43507
        20200 30563 43508
        20250 30554 43509
        20300 30515 43512
        20337 30497 43509
        26045 = + RHO62
0215   VVV RIT DE RJY96 QYT4 ?
0223   RIT DE RJY96 OK QYT4 QSX 6238 QWH 8599
0308   VVV RIT DE RHO62 QSA? QTC

0310	VVV RIT DE RHO62 QSA? QTC
0311	VVV RIT DE RHO62 QSA? QTC
0312	RHO62 888 20 26 0707 888 = SML FOR RJD38 RIF4 RJH74 = 26031 99717 10234 22223
	71.7N 23.4E heading E @ 11-15kts https://goo.gl/maps/0YlkA
0353	VVV RCV DE RHV42 QSA?
0355	RCV DE RHV42 QYT4 QSX 7262
0423	RIT DE RJY96 QYT4 QSA2
0424	RJY96 OK QYT4 QLS
0434	RIT DE RJY96 QYT4 QSX 7184 OK?
0435	RIT DE RJY96 QYT4 QSX 7184 OK?
0606	VVV RIT DE RHO62 QSA? QTC
0607	RHO62 32? 20 26 1005 32? = SML FOR RJD38 RIF4 RJH74 = 26061 99718 10257 22222
	71.8N 25.7E heading E @ 6-10kts https://goo.gl/maps/dXGCW
0712	VVV RIT DE RHO62 QSA? QTC
0713	RHO62 239 48 26 1111 239 = FOR RJD38 RIF4 RJH74 = KKXX 260?3 1000/ 17152 02547 88881
	20000 30984 43449
	20010 30984 43450
	20020 30941 434??
	20030 30737 43456
	20050 30611 43???
	20075 30649 43485
	20100 30??? 43499
	20125 3051? 43502
	20150 30506 43502
	20200 30479 43503
	20250 3046? 43504
	20260 30467 43504
	26042 = + RHO62

12464 kHz, 26-08

1007	VVV RIW DE RMRV QSA?
1009	VVV RIW DE RMRV QSA?
1011	VVV RIW DE RMRV QSA?
1323	RIW DE RKH82 QSA? (possibly sets up QYT4 but very weak)
1337	VVV RCV DE RBEG QSA? QTC
1341	RBEG 172 186 26 1605 172 = RKT = MMMMM UM?SI ..... (seemed to stop after a few repeats)
1345	RBEG OK QDW 12816
1350	RCV DE RHV42 QSA2
1403	VVV RCV DE RKB91 QSA? QTC
1404	RKB91 4?? 19 26 18?? 4?? = SML FOR RMP = 22222 45378 ..... 73747 26016 = + RKB91
1411	RCV DE RBEG QSA?
1414	RIR98 R
1415	RCV DE RBEG OK QYR5
1417	RBEG OK QSX 14794 QWH 12539
1421	RCV DE RFH80 OK QYT4 QSX 104?? OK
1422	RCV DE RFH80 QYT4 QSX 7984/9088
1624	RCV DE RFH80 QYT4 QLS
1634	RFH80 OK QYT4 WRK
1645	VVV RCV DE RHY47 QSA?
1650	VVV RCV DE RHY47 QSA?
1659	VVV RCV DE RHY47 QSA?
1701	RCV DE RHY47 QSA3

8345 kHz, 26-08

1017	RJY96 OK QYT4 SK
1653	VVV RCV DE RHY47 QSA?
1706	RCV DE RHY47 QYT4?
1717	RCV DE RHY47 OK QYT4 QSX 10984 QWH 18302
1718	RCV DE RHY47 OK QYT4 QSX 10984 QWH 8302
1808	RIT DE RHO62 QSA? QTC

1812   RIT DE RJP30 QSA? QTC
1814   RJP30 257 18 26 2206 257 = FOR RJH74 RJH45 = 26181 99733 10537 22212
        73.3N 53.7E heading NE @ 6-10kts https://goo.gl/maps/LXBIe
1819   VVV RIT DE RHO62 QSA? QTC
1821   RHO62 222 19 26 2207 222 = SML FOR RJD38 RIF4 RJH74 = 26181 99713 10303 22232
        71.3N 30.3E heading SE @ 6-10kts https://goo.gl/maps/z5RhO
1953   VVV RIT DE RJY96 QSA?
1956   RIT DE RJY96 QYT4 SK?

8345 kHz, 27-08
0554   VVV RIT DE RHO62 QSA? QTC
0555   RHO62 624 40 27 0952 624 = FOR RJD38 RIF4 RJH74 = KKXX 27084 0900/ 17005 03337 88881
        20000 31065 43498
        20010 31065 43498
        20020 30909 43402
        20030 30746 43434
        20050 30663 43450
        20075 30562 43450
        20100 30554 43465
        20125 30394 43451
        20150 30322 43460
        20196 30383 43469
        27036 = + RHO62
0602   VVV RIT DE RHO62 QSA? QTC
0603   RHO62 612 19 27 1001 612 = SML FOR RJD38 RIF4 RJH74 = 27061 99700 10335 22242
        70.0N 33.5E heading S @ 6-10kts https://goo.gl/maps/DeDJd Looks to be heading into Severomorsk

12464 kHz, 28-08
1025   RCJG QRV
1031   RCJG AS3
1036   RIW DE RCJG NR 906 RPT 1 2
1038   RCJG 906 49 28 10?? 906 = SML = (continues but faint)

8345 kHz, 30-08
0800   VVV RIT DE RJY96 QSA?
0801   RIT DE RJY96 QYT4?
0806   RIT DE RJY96 OK QYT4 QSX 6243 QWH 10356
0820   RIT DE RJY96 QYT4 QSA3
0825   RJY96 OK QYT4 QSX 4158
0831   RIT DE RJY96 QYT4 QSX 8599 OK?
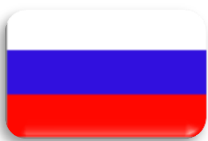
M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

8816 kHz

04-08, 0631 UTC	RJC38 RJF94 DE 26920 QTO 0622 QRD XLWF XLMV QRE 0930 QBD 4800 K - QQL ULPE 0738 QBD 3700 QBG 5800 K - QTH 6117 3700 QTR 0837 QBD 2800 QRE XLWF 0925 K - QQM XLWF 0920 SK
04-08, 0624 UTC	RJC38 RJF94 DE 08011 QTO 0616 QRD XLWF XLMV QRE 0825 QBD 13500 K - QTH 6456 3429 QTR 0716 QBK 4000 K - QQM XLWF 0839 SK
04-08, 1035 UTC	RJF94 RJC38 DE 08011 QTO 1028 QRD XLMV XLWF QRE 1250 QBD 14000 K - QTH 6319 3544 QTR 1135 QBD ... K
04-08, 1044 UTC	RJC38 RJF94 DE 26920 QTO 1035 QRD XLMO XLWF QRE 1205 QBD 5.......QTH 5706 3743 QTR 1114 QBD 3900 QRE XLMO ... K
09-08, 0944 UTC	RJF94 RJC38 DE 08011 QTO 0729 QRD XLMV XRRI QRE 1215 QBD 17000 K - QTH 5223 3855 QTR 0828 QBG 7300 K - QTH 5647 3750 QTR 0929 QBG 7300 K - QTH 6117 3700 QTR 1028 QBG 6700 QBD 9800 K - QTH 6622 3334 QTR 1130 QBG 6800 QBD 5700 K

09-08, 0817 UTC	RJF94 RJC38 DE 26927 QTO 0805 QRD XLAA XLMV QBD 5000 QRE 0955 K - QTH 6628 3615 QTR 0910 QRE XLAA 0955 K - QQM XLAA 0950 SK
09-08, 1103 UTC	RJF94 RJC38 DE 26927 QTO 1050 QRD XLMV XLAA QBD 5000 QRE 1220 K - QTH 6646 3750 QTR 1130 QRE XLMV 1225 K
14-08, 0805 UTC	RJC38 RJF94 DE 26920 QTO 0750 QRD XLWF XUOM QRE 0950 QBD 4000 K - QTH 5509 3817 QTR 0852 QBD 3100 QBG 5500 QRE XLWF 0950 K - QRE XLWF 1006 K - QQM XKWF 1003 SK
14-08, 1202 UTC	RJC38 RJF94 DE 26920 QTO 1147 QRD XLMV XLWF QRE 1500 QBD 5000 K - QAY ULPB 1251 QBD 3300 K – QQL 6622 3334 QTR 1355 QBD 2600 QRE XLMV 1450 K
19-08, 0829 UTC	RJF94 RJC38 DE 08011 QTO 0820 QRD XLWF XRFA QRE 1230 QBD 16000 K - QTH 4505 3753 QTR 0920 QBG 7600 K QQL XUOI 1025 QBG 7900 K QTH 5545 3746 QTR 1122 QBG 8500 QBD 9200 K QQM XLWF 1210 SK
19-08, 1345 UTC	RJF94 RJC38 DE 08011 QTO 1333 QRD XLMG XLWF QRE 1535 QBD 14000 K - QTH 6329 3533 QTR 1430 QBG 6700 K - QQM XLMG 1536 SK
19-08, 1755 UTC	RJF94 RJC38 DE 75102 QAY XLPB 1747 QBD 14300 QBG 6700 K - QQL ULPE 1827 QBD 13200 QRE XLMO 1919 K - QQM XLMO 1915 SK
25-08, 0614 UTC	RJF94 RJC38 DE 26927 QTO 0600 QRD XLAA XLMG QRE 0735 QBD 5000 K - QTH 6600 3733 QTR 0655 QBD 4200 QBG 5200 QRE XLAA 0733 K - QQM XLAA 0735 K
25-08, 1239 UTC	RJF94 RJC38 DE 75102 QTO 1226 QRD XLWF XLMO QBD 10900 QRE 1446 K - QQL ULPE 1317 QBG 6400 K – QAY XRPB 1406 QBD 7200 QRE XLWF 1450 K QQM XLWF 1506 SK
26-08, 0742 UTC	RJF94 RJC38 DE 08012 QAY XLPB 0738 QRE XLWF 0825 K
26-08, 0821 UTC	RJF94 RJC38 DE 26920 QTO 0805 QRD XLWF XLMO QBD 4000 QRE 1100 K - QQL ULPE 0905 QBG 5800 K – QAY XLPB 1010 QRE XLWF 1105 K QQM XLWF 1056 SK
26-08, 1235 UTC	RJF94 RJC38 DE 26927 QTO 1223 QRD XLMO XLAA QRE 1355 QBD 3300 K - QTH 6702 3418 QTR 1319 QBD 2300 QBG 5500 QRE XLMO 1350 K - QQM XLMO 1345 SK
26-08, 1642 UTC	RJF94 RJC38 DE 75102 QTO 1630 QRD XLMO XLWF QBD 19000 QRE 1845 K - QAY XLPB 1714 QBG 6100 K – QQL ULPE 1752 QBD 15500 QRE XLMO 1840 K - QQM XLMO 1838 SK

6989 kHz

17-08, 2108	RAL2 clg RBL6)
17-08, 2108	RHQ2 radio check with RAL2
18-08, 1705	RGH2 radio check with RAL2
18-08, 1706	RMW2 radio check with RAL2
24-08, 2104	RBL66 de RAL2

12720 kHz, 26-08, 0956 UTC RJC38 DE RJF94 QSA? K QYT9 QRJ ? K OK QYT9 QWC K RJF94 AS K OK QYT9 QWH 12833 K QYT9 QRW? K QYT9 SK K

M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

7959 kHz, 06-08, 2141 UTC	507 = REA5 K (Into digital mode)
8895 kHz, 08-08, 1213 UTC	Russian Air Force NCS Tu-95 Bear H net. DE IZ2J K
7942 kHz, 25-08, 1715 UTC	REA4: XXX XXX MFBH 907807 AGIT 90863434 K / XXX XXX MFBH 96808 ALAFA 7282898 K

Two Russian Tu-95 (Bear) bombers approached the Dutch boundry on 19-08. They were accompanied by two Danish F-16 planes. A Dutch fighter jet accompanied the Tu-95s over the Dutch territory up to the British area of responsibility. RAF Eurofighters accompanied the bombers further.

9128 kHz, 19-08 Bear Net (Air freq). Logged by Topol when the Bear planes approached the UK boundry.

1028	RPT = 728 069 046 149 929 380 232 561 218 K
1030	RPT NR 7 = 232
1031	KL3U = 728 069 046 149 929 380 232 561 218 K
1033	RPT GR 7 = 232
1034	KFE4 QTC. KL3U = 871 069 990 180 386 911 774 075
1042	KFE4 DE KL3U QTC
1043	KLU3 = 558 465 680 024 883 199
1044	RPT = 558 465 680 024 883 199

1153   KFE4 DE KL3U QTC. KL3U = 728 577 046 025 084 920 423 545 091 804 895
1155   RPT = 728 577 046 025 084 920 423 545 091 804 895
1156   KL3U = 728 577 046 025 084 920 423 545 091 804 895
1211   KFE4 DE KL3U QTC = 871 577 990 396 743 406 287 753
1238   KFE4 DE KL3U
1240   KFE4 DE KL3U
1241   KFE4 DE KL3U
1242   KFE4 DE KL3U
1244   KFE4 DE KL3U QTC = 728 988 046 927 579 274 780 545 419 069 009 = 728 988 046 927 579 274 780 545 419 069 009
1248   RPT = 728 988 046 927 579 274 780 545 419 069 009
1249   RPT = 728 988 046 927 579 274 780 545 419 069 009
1251   KL3U RPT = 728 988 046 927 579 274 780 545 419 069 009
1254   RPT GR9 = 419
1301   KFE4 DE KL3U QTC = 558 130 422 295 396 246 = 558 130 422 295 396 246
1302   RPT = 558 130 422 295 396 246
1304   RPT = 558 130 422 295 396 246
1306   RPT GR6 = 246
1307   RPT = 558 130 422 295 396 246
1320   KFE4 DE KL3U QTC
1321   KL3U = 871 988 990 084 158 304 182 397
1322   RPT = 871 988 990 084 158 304 182 397
1324   KFE4 QTC KL3U = 728 800 046 084 920 304 926 545 091 197 681
1327   KL3U RPT = 728 800 046 084 920 304 926 545 091 197 681
1330   KL3U RPT = 728 800 046 084 920 304 926 545 091 197 681
1333   KL3U = 728 800 046 084 920 304 926 545 091 197 681
1428   KFE4 DE KL3U QTC
1430   KL3U = 871 800 990 025 447 877 166 844
1449   KFE4 DE KL3U QTC = 558 365 712 429 774 041
1613   KFE4 DE KL3U = 558 655 110 938 174 201
1710   KFE4 DE KL3U QTC. KLU3 = 558 100 025 529 546 753
1711   RPT = 558 100 025 529 546 753
1712   RPT GR5 = 546
1801   KFE4 DE KL3U QTC
1802   KL3U = 732 560
1826   KFE4 DE KL3U QTC
1827   KL3U = 558 101 994 507 743 136
1830   KFE4 DE KL3U QTC
1831   = 732 560
1928   KFE4 DE KL3U QRV (gets KFE4 to repeat for 7 minutes)
1936   KL3U = 732 212 943 962 943 636 086
1938   KFE4 DE KL3U QTC
1939   KL3U = 558 940 084 746 221 584
1940   KL3U = 558 940 084 746 221 584
2026   KFE4 DE KL3U QTC
2027   KL3U = 558 872 565 779

8895 kHz, 19-08 - Bear Net (Ground freq)
1340   W-markers, KL3U de TV6P and back- ground Morse activity. ...4 K.
1615   KFE4 = 558 655 110 938 174 201
1619   G-marker
1620   W-marker
1639   G-marker
1640   W-marker
1659   G-marker
1700   W-marker
1710   KL3U DE KFE4 QRV
1711   KFE4 = 558 100 025 529 546 753 RPT = 558 100 025 529 546 753
1719   G-marker
1720   W-marker
1740   W-marker

1800   W-marker
1801   KL3U DE KFE4 QRV
1802   = 732 560
1820   W-marker
1827   KL3U DE KFE4 QRV
1828   558 101 994 507 743 136
1832   KL3U DE KFE4 QRV = 732 560
1840   W-marker
1900   W-marker
1923   KL3U DE KFE4 (for 7 minutes)
1930   KL3U DE KFE4 QTC
1931   KFE4 = 732 212 943 962 943 636 086   KFE4 = 732 212 943 962 943 636 086
1934   KFE4 = 732 212 943 962 943 636 086   KFE4 = 732 212 943 962 943 636 086
1940   [KL3U DE KFE4] QRV
1941   = 558 940 084 746 221 584 = 558 940 084 746 221 584
2026   KL3U DE KFE4 QRV
2027   558 872 565 779

EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Contributors: Dave, Ary, Topol,
Frequencies: 4724, 6739, 8992, 11175 kHz

3 August
1334   Mainsail: 76I 34 RD Skyking DNA
1435   Mainsail: 5I3 35 UZ Skyking DNA
1509   Mainsail: EXK 09 SG Skyking DNA
1547   Mainsail: VGINME ZVNF6KXBVURIHWQFDJNYPKJ2 for PAGE THIRTEEN? 30 chr EAM
1549   Mainsail: TUY3MA DRWOJUZ4KW46Y3R4SYZI5BJ disregard during second reading
1551   Mainsail: TUY3MA DRWOJUZ4KW46Y3R4SYZSI5BJ 30 chr EAM
1553   Mainsail: TUCWHS 7NGZXMAZFMIVZ2WH6ICCESCV 30 chr EAM
1621   Mainsail: TU47VU VAX6ID4P3GU2UMOBK5PGGVGC 30 chr EAM

5 August
0832   Mainsail: G5Q 32 RQ Skyking DNA
0910   Mainsail: VKG 10 D? Skyking DNA
0920   Mainsail: TURWC2 N4X3N7SIJ2UM3Q2I3YHBC2VH 30 chr EAM
0926   Mainsail: TURWC2 REPEAT
0930   Mainsail: TURWC2 REPEAT
0940   Mainsail: TU4SF3 K2GH7G3WSYVAICIG4WC72TMI 30 chr EAM
1000   Mainsail: TU4SF3 REPEAT
1002   Mainsail: TU4SF3 REPEAT
1004   Mainsail: TURWC2 REPEAT
1012   Mainsail: JMH 12 BT Skyking DNA
1019   Mainsail: TUEA7Z CS53RY25PXXDMKP6GINQERPQ 30 chr EAM
1030   Mainsail: TUEA7Z REPEAT
1032   Mainsail: TU4SF3 REPEAT
1034   Mainsail: TURWC2 REPEAT
1043   Mainsail: TUT4VA 30 chr EAM
1103   Mainsail: TUT4VA 30 chr EAM

8 August
1033   Mainsail: LI4 33 SB Skyking DNA
1051   Mainsail: TUA343 KIG4XUNU72VJ2TKQTSLC4XKH 30 chr EAM
1100   Mainsail: TUA343 REPEAT

1109	Mainsail: MLB 09 SF Skyking DNA
1128	Mainsail: TUA343 REPEAT
1200	Mainsail: TUHXJX NHHIO4JGE7KEMPZEBBGDFJUX 30 chr EAM
1202	Mainsail: TUA343 REPEAT
1222	Mainsail: Hickam with a test count 12345 54321 Hickam Out
1232	Mainsail: test count 12345 54321 Mainsail Out
1800	Mainsail: TUBUO7 30 chr EAM
1802	Mainsail: TUWKU5 30 chr EAM
1811	Mainsail: TUT2ZX 30 chr EAM
1853	Mainsail: TUHIHB 30 chr EAM
1855	Mainsail: TX44DV 43 chr EAM

11 August

| 1521 | Mainsail: 30 chr EAM YGEHYP 4AFJ536KRN2AOOK2M3VJX2YS |

18 August

0400	EAM with 64WX3Z Preamble, then immediately one with 64UAZU Preamble
0403	Skyking Skyking Do not answer: CD7
0406	EAM with 64WX3Z Preamble, then immediately one with 64UAZU Preamble.
1627	SkyKing KDQ T27 Auth PF
1630	6447M4 - HKQYP4BUCWP6SROOHTC3MSVU
1700	6447M4 - HKQYP4BUCWP6SROOHTC3MSVU
1716	643X3Q - TZRDKJFZDHJGA2W23CATQSJE
1719	64HKQY - B75ZVQVFFFZXUBEVNL6D2TDY
1731	64HKQY - B75ZVQVFFFZXUBEVNL6D2TDY
1733	643X3Q - TZRDKJFZDHJGA2W23CATQSJE
1735	6447M4 - HKQYP4BUCWP6SROOHTC3MSVU
1833	For AFAR04 YGJHLF - JQMN5QSP3HIQCZNTM46ZF4CC
1840	64HJOP - JLVIZMPWXUTV6AWVSY76PUVY
1847	SkyKing LVG T47 Auth BZ
1900	6473ZK - 6PERQG5CY65B2QMTRXPIIB3H

Note: EAM 64HKQY preamble contains EAM 6447M4 first part of message - HKQY

LOGS SECTION

Logs sorted on Code, Date and UTC

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4406	---	5-8	2141	Tue	RO RO (3 Second pause) RO RO (cont'd)	CW	(JPL-Sib)
8300	---	6-8	1205	Wed	Unid station. Male reading numbers(?) in unid language	USB	(AB-HK)
4406	---	6-8	1825	Wed	RO RO (3 Second pause) RO RO (cont'd)	CW	(JPL-Sib)
4406	---	8-8	1739	Fri	RO RO (3 Second pause) RO RO (cont'd)	CW	(JPL-Sib)
4406	---	9-8	1840	Sat	RO RO (3 Second pause) RO RO (cont'd)	CW	(JPL-Sib)
8300	---	12-8	0603	Tue	Unid. Male reading numbers(?) in unid language	USB	(AB-HK)
5346	---	12-8	1640	Tue	BUX DE KNX QSA? VVV BUX BUXBUX DE KNX QSA? K. QRV K. QSA3 K. R K	CW	(JPL-Sib)
8300	---	13-8	1203	Wed	Unid. Male reading numbers(?) in unid language	USB	(AB-HK)
6889	---	18-8	1405	Mon	CIS Military net (tent). VVV RTH62 DE ULC85 QSA3 QSA?	CW	(PPA)
8300	---	20-8	0608	Wed	Unid station. Male reading numbers(?) in unid language	USB	(AB-HK)
6905	---	21-8	0505	Thu	RFY: unid Russian station. VVV VVV RFY QSA?	CW	(PPA)
8300	---	21-8	1213	Thu	Unid station. Male reading numbers(?) in unid language	USB	(AB-HK)
6865.5	---	21-8	1822	Thu	CIS Military net (tent). VVV RTH62 DE EYA31 QSA?	CW	(PPA)
8439	---	22-8	1159	Fri	Unid Russian net. Male voices	USB	(AB-HK)
8439	---	22-8	1310	Fri	Unid Russian net. Male voices	USB	(AB-HK)
8439	---	22-8	1631	Fri	Unid Russian net. Male voices	USB	(AB-HK)
8439	---	23-8	1155	Sat	Unid Russian net. Male voices	USB	(AB-HK)
5806	---	27-8	1821	Wed	Unid. 1L. AS (x6) AR AR. PA =. R R. 105 = 105 = AS1 AS (many). 1 AR AR. QSM NR MV. PA = RR ...	CW	(MPJ)
6450	ARM	12-8	1654	Tue	Armenian Air Defense. Bearing/range reports	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6450	ARM	16-8	1752	Sat	Armenian Air Defense. Bearing/range reports	USB	(AB)
6450	ARM	19-8	1631	Tue	Armenian Air Defense. Bearing/range reports	USB	(AB)
6450	ARM	26-8	1620	Tue	Armenian Air Defense. Bearing reports	USB	(AB)
10987	CHN	11-8	1806	Mon	Chinese diplo	4+4/75/2450/LSB	(PPA)
10550	DPRK	4-8	0606	Mon	North Korean diplo	DPRK-ARQ 600/600	(PPA)
18035	DPRK	19-8	1012	Tue	North Korean diplo	DPRK-ARQ 600/600 LSB	(linkz)
14525	E06	7-8	0500	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
16340	E06	7-8	0600	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
5948	E06	7-8	2030	Thu	724 013 20 14259 22676 32782 … 73311 98089 12250 013 20 00000	USB	(Danix)
14525	E06	8-8	0500	Fri	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
16340	E06	8-8	0600	Fri	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
5731	E06	8-8	2130	Fri	315 274 20 37839 35787 98273 … 60491 75924 04594 274 20 00000	USB	(toto)
5731	E06	8-8	2130	Fri	315 274 20 37839 35787 98273 … 60491 75924 04594 274 20 00000	USB	(Danix)
5156	E06	13-8	1920	Wed	376 00000	USB	(Danix)
5156	E06	13-8	1920	Wed	376 0	USB	(HFD)
4592	E06	13-8	2020	Wed	376 00000	USB	(Danix)
4592	E06	13-8	2020	Wed	376 0	USB	(HFD)
13898	E06	14-8	1505	Thu	759 481 52 90532 46561 32126 … 40085 87309 87734 481 52 00000	USB	(Danix/Avare)
13898	E06	14-8	1505	Thu	759 481 52 90532 46561 32126 … 40085 87309 87734 481 52 00000	USB	(linkz)
17478	E06	14-8	1605	Thu	759 481 52 90532 46561 32126 … 40085 87309 87734 481 52 00000	USB	(Danix/Avare)
13898	E06	15-8	1505	Fri	759 481 52 90532 46561 32126 … 40085 87309 87734 481 52 00000	USB	(Danix)
17478	E06	15-8	1605	Fri	759 481 52 90532 46561 32126 … 40085 87309 87734 481 52 00000	USB	(Danix)
7982	E06	17-8	1120	Sun	678 678 678 00000	USB	(MPJ)
7982	E06	17-8	1120	Sun	376 0	USB	(HFD)
7982	E06	17-8	1120	Sun	376 00000	USB	(Danix)
7493	E06	17-8	1220	Sun	376 00000	USB	(Danix)
7493	E06	17-8	1220	Sun	i.p. ends with 00000	USB	(MPJ)
7493	E06	17-8	1220	Sun	376 0	USB	(HFD)
14525	E06	21-8	0500	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
14525	E06	21-8	0500	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(AB)
16340	E06	21-8	0600	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
16340	E06	21-8	0600	Thu	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(AB)
5948	E06	21-8	2030	Thu	724 013 20 14259 22676 32782 … 73311 98089 12250 013 20 00000	USB	(Danix)
14525	E06	22-8	0500	Fri	210-946/107=41192	USB	(HFD)
14525	E06	22-8	0500	Fri	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
16340	E06	22-8	0600	Fri	210	USB	(HFD)
16340	E06	22-8	0600	Fri	210 946 107 41192 94071 39052 … 97275 38849 04055 946 107 00000	USB	(Danix)
5731	E06	22-8	2130	Fri	315 274 20 37839 35787 98273 … 60491 75924 04594 274 20 00000	USB	(Danix)
13881	E07	3-8	1700	Sun	818 000	AM	(Danix)
13881	E07	3-8	1700	Sun	818 0	USB	(HFD)
12181	E07	3-8	1720	Sun	818 0	USB	(HFD)
12181	E07	3-8	1720	Sun	818 000	AM	(Danix)
14378	E07	4-8	1900	Mon	349 0	USB	(HFD)
14378	E07	4-8	1900	Mon	349 000	AM	(Danix)
13458	E07	4-8	1920	Mon	349 0	USB	(HFD)
13458	E07	4-8	1920	Mon	349 000	AM	(Danix)
13881	E07	6-8	1700	Wed	818 818 818 000	USB	(AB)
13881	E07	6-8	1700	Wed	818 000	AM	(Danix)
12181	E07	6-8	1720	Wed	818 818 818 000	USB	(AB)
12181	E07	6-8	1720	Wed	818 000	AM	(Danix)
14378	E07	6-8	1900	Wed	349 000	AM	(Danix)
13458	E07	6-8	1920	Wed	349 000	AM	(Danix)
10753	E07	7-8	2010	Thu	716 000	AM	(Danix)
9147	E07	7-8	2030	Thu	716 000	AM	(Danix)
13881	E07	10-8	1700	Sun	818 000	AM	(Danix)
13881	E07	10-8	1700	Sun	818 818 818 000	AM	(AB)
12181	E07	10-8	1720	Sun	818 818 818 000	AM	(AB/GHn)
12181	E07	10-8	1720	Sun	818 000	AM	(Danix)
14378	E07	11-8	1900	Mon	349 000	AM	(Danix)
13458	E07	11-8	1920	Mon	349 000	AM	(Danix)
13881	E07	13-8	1700	Wed	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813	AM	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
					000 000		
12181	E07	13-8	1720	Wed	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(Danix)
10881	E07	13-8	1740	Wed	818 818 818 1 5FG message ending 000 000	AM	(PPA)
10881	E07	13-8	1740	Wed	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(Danix)
14378	E07	13-8	1900	Wed	349 000	AM	(Danix)
13458	E07	13-8	1920	Wed	349 000	AM	(Danix)
7437	E07	14-8	0403	Thu	411 411 411 000	USB	(DM0551)
10753	E07	14-8	2010	Thu	716 000	AM	(Danix)
9147	E07	14-8	2030	Thu	716 000	AM	(Danix)
13881	E07	17-8	1700	Sun	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(Danix)
12181	E07	17-8	1720	Sun	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(Danix)
12181	E07	17-8	1720	Sun	818 1 910 140 910 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(MPJ)
10881	E07	17-8	1740	Sun	818 1 950 140 818 1 950 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(Danix)
10881	E07	17-8	1740	Sun	818 1 910 140 910 140 50802 41067 79434 … 29342 11148 47813 000 000	AM	(MPJ/GHn)
14378	E07	18-8	1900	Mon	349 000	AM	(Danix)
13458	E07	18-8	1920	Mon	349 000	AM	(Danix)
13458	E07	18-8	1920	Mon	649 649 649 000	AM	(MPJ)
12181	E07	20-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
13881	E07	20-8	1700	Wed	818 000	AM	(Danix)
13881	E07	20-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
12181	E07	20-8	1720	Wed	818 000	AM	(Danix)
14378	E07	20-8	1900	Wed	349 000	AM	(Danix)
13458	E07	20-8	1920	Wed	349 000	AM	(Danix)
10753	E07	21-8	2010	Thu	716 716 716 000	AM	(AB)
10753	E07	21-8	2010	Thu	716 000	AM	(Danix)
9147	E07	21-8	2030	Thu	716 716 716 000	AM	(AB)
9147	E07	21-8	2030	Thu	716 000	AM	(Danix)
13881	E07	24-8	1700	Sun	818 000	AM	(Danix)
13881	E07	24-8	1700	Sun	818 818 818 000	USB	(AB)
12181	E07	24-8	1720	Sun	818 000	AM	(Danix)
12181	E07	24-8	1720	Sun	818 818 818 000	USB	(AB)
14378	E07	25-8	1900	Mon	349 000	AM	(Danix)
14378	E07	25-8	1900	Mon	349 349 349 000	USB	(AB)
13458	E07	25-8	1920	Mon	349 000	AM	(Danix)
13458	E07	25-8	1920	Mon	349 349 349 000	USB	(AB)
13881	E07	27-8	1700	Wed	818 818 818 000. Very noisy transmitter	AM	(AB/MPJ)
13881	E07	27-8	1700	Wed	818 000	AM	(Danix)
12181	E07	27-8	1720	Wed	818 818 818 000. Very noisy transmitter	AM	(AB/MPJ)
12181	E07	27-8	1720	Wed	818 000	AM	(Danix)
14378	E07	27-8	1900	Wed	349 000	AM	(Danix)
13458	E07	27-8	1920	Wed	349 349 349 000	USB	(MPJ)
13458	E07	27-8	1920	Wed	349 000	AM	(Danix)
10753	E07	28-8	2010	Thu	716 0	USB	(HFD)
10753	E07	28-8	2010	Thu	716 000	AM	(Danix)
10753	E07	28-8	2010	Thu	716 716 716 000	AM	(AB)
9147	E07	28-8	2030	Thu	716 0	USB	(HFD)
9147	E07	28-8	2030	Thu	716 000	AM	(Danix)
13881	E07	31-8	1700	Sun	818 818 818 000	AM	(MPJ)
12213	E07a	1-8	1510	Fri	241 0	USB	(HFD)
12213	E07a	1-8	1510	Fri	241 000	USB	(Danix)
11413	E07a	1-8	1530	Fri	241 000	USB	(Danix)
11413	E07a	1-8	1530	Fri	241 0	USB	(HFD)
12177	E07a	2-8	0800	Sat	148 000	USB	(Danix)
12177	E07a	2-8	0800	Sat	148 0	USB	(HFD)
12177	E07a	2-8	0800	Sat	148 148 148 000	USB	(AB)
13477	E07a	2-8	0820	Sat	148 148 148 000	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
13477	E07a	2-8	0820	Sat	148 0	USB	(HFD)
13477	E07a	2-8	0820	Sat	148 000	USB	(Danix)
8173	E07a	6-8	2000	Wed	147 0	USB	(HFD)
8173	E07a	6-8	2000	Wed	147 000	USB	(Danix)
7473	E07a	6-8	2020	Wed	147 000	USB	(Danix)
7473	E07a	6-8	2020	Wed	147 0	USB	(HFD)
7437	E07a	7-8	0430	Thu	411 000	USB	(Danix)
8137	E07a	7-8	0450	Thu	411 000	USB	(Danix)
8173	E07a	7-8	2000	Thu	147 147 147 000	USB	(GHn)
12213	E07a	8-8	1510	Fri	241 000	USB	(Danix)
11413	E07a	8-8	1530	Fri	241 000	USB	(Danix)
12177	E07a	9-8	0800	Sat	148 148 148 000	USB	(AB)
12177	E07a	9-8	0800	Sat	148 000	USB	(Danix)
13477	E07a	9-8	0820	Sat	148 000	USB	(Danix)
8173	E07a	13-8	2000	Wed	147 000	USB	(Danix)
7473	E07a	13-8	2020	Wed	147 000	USB	(Danix)
7437	E07a	14-8	0430	Thu	411 000	USB	(Danix)
8137	E07a	14-8	0450	Thu	411 000	USB	(Danix)
12213	E07a	15-8	1510	Fri	241 000	USB	(Danix)
11413	E07a	15-8	1530	Fri	241 000	USB	(Danix)
12177	E07a	16-8	0800	Sat	148 000	USB	(Danix)
13477	E07a	16-8	0820	Sat	148 000	USB	(Danix)
8173	E07a	20-8	2000	Wed	147 000	USB	(Danix)
7473	E07a	20-8	2020	Wed	147 000	USB	(Danix)
7437	E07a	21-8	0430	Thu	411 000	USB	(Danix)
8137	E07a	21-8	0450	Thu	411 000	USB	(Danix)
12213	E07a	22-8	1510	Fri	241 000	USB	(Danix)
12213	E07a	22-8	1510	Fri	241 241 241 000	USB	(AB)
11413	E07a	22-8	1530	Fri	241 000	USB	(Danix)
11413	E07a	22-8	1530	Fri	241 241 241 000	USB	(AB)
12177	E07a	23-8	0800	Sat	148 000	USB	(Danix)
13477	E07a	23-8	0820	Sat	148 000	USB	(Danix)
8173	E07a	27-8	2000	Wed	147 000	USB	(Danix)
7473	E07a	27-8	2020	Wed	147 000	USB	(Danix)
7437	E07a	28-8	0430	Thu	411 000	USB	(Danix)
8137	E07a	28-8	0450	Thu	411 000	USB	(Danix)
12213	E07a	29-8	1510	Fri	241 000	USB	(Danix)
12213	E07a	29-8	1510	Fri	241 241 241 000	USB	(MPJ)
11413	E07a	29-8	1530	Fri	241 000	USB	(Danix)
11413	E07a	29-8	1530	Fri	241 241 241 000	USB	(MPJ)
12177	E07a	30-8	0800	Sat	148 000	USB	(Danix)
13477	E07a	30-8	0820	Sat	148 000	USB	(Danix)
13424	E11	1-8	0545	Fri	348/00	USB	(Danix)
14753	E11	1-8	0710	Fri	633/00	USB	(AB)
14753	E11	1-8	0710	Fri	633/00	USB	(Danix)
12924	E11	1-8	0830	Fri	649/00	USB	(Danix)
4909	E11	2-8	0900	Sat	248/00	USB	(Danix)
4909	E11	2-8	1445	Sat	287/00	USB	(Danix)
14865	E11	2-8	1705	Sat	363/00 (should have been 392/00)	USB	(Danix)
9130	E11	2-8	2005	Sat	363/00	USB	(Danix)
9130	E11	2-8	2005	Sat	363/00	USB	(GHn)
14975	E11	3-8	0805	Sun	371/00	USB	(Danix)
9130	E11	3-8	2005	Sun	363/00	USB	(Danix)
10800	E11	4-8	0450	Mon	416/00	USB	(Danix)
8725	E11	4-8	0820	Mon	438/00	USB	(Danix)
13427	E11	4-8	0900	Mon	534/00	USB	(Danix)
16335	E11	4-8	1540	Mon	228/00	USB	(Danix)
13424	E11	5-8	0645	Tue	517/00	USB	(Danix)
14753	E11	5-8	0710	Tue	633/00	USB	(Danix)
15632	E11	5-8	0745	Tue	335/00	USB	(Danix)
13873	E11	5-8	1045	Tue	576/00	USB	(Danix)
13908	E11	5-8	1300	Tue	133/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8565	E11	6-8	0315	Wed	253/00	USB	(Danix)
13424	E11	6-8	0545	Wed	348/00	USB	(Danix)
13427	E11	6-8	0900	Wed	534/00	USB	(Danix)
10213	E11	6-8	0930	Wed	270/00	USB	(Danix)
16335	E11	6-8	1155	Wed	718/00	USB	(Danix)
16335	E11	6-8	1155	Wed	718/00	USB	(AB)
13908	E11	6-8	1300	Wed	133/00	USB	(Danix)
13908	E11	6-8	1400	Wed	133/00	USB	(GHn)
4909	E11	6-8	1445	Wed	287/00	USB	(AB)
4909	E11	6-8	1445	Wed	287/00	USB	(Danix)
14865	E11	6-8	1705	Wed	392/00	USB	(Danix)
14865	E11	6-8	1705	Wed	392/00	USB	(AB)
8565	E11	7-8	0315	Thu	253/00	USB	(Danix)
13424	E11	7-8	0645	Thu	517/00	USB	(Danix)
15632	E11	7-8	0745	Thu	335/00	USB	(Danix)
8725	E11	7-8	0820	Thu	438/00	USB	(Danix)
4909	E11	7-8	0900	Thu	248/00	USB	(Danix)
10213	E11	7-8	0930	Thu	270/00	USB	(Danix)
16335	E11	7-8	1155	Thu	718/00	USB	(Danix)
8088	E11	7-8	1730	Thu	416/00	USB	(GHn)
8088	E11	7-8	1730	Thu	416/00 w/ Windows XP exclamation sound	USB	(Danix)
13424	E11	8-8	0545	Fri	348/00	USB	(AB)
13424	E11	8-8	0545	Fri	348/00	USB	(Danix)
14753	E11	8-8	0710	Fri	633/00	USB	(Danix)
14753	E11	8-8	0710	Fri	633/00	USB	(AB)
8530	E11	8-8	2000	Fri	576/00	USB	(Danix)
8530	E11	8-8	2000	Fri	576/00 with XP shutdown sound during the transmission	USB	(GU/Danix)
4909	E11	9-8	0900	Sat	248/00	USB	(Danix)
4909	E11	9-8	1445	Sat	287/00	USB	(Danix)
14865	E11	9-8	1705	Sat	392/00	USB	(AB)
14865	E11	9-8	1705	Sat	392/00	USB	(Danix)
9130	E11	9-8	2005	Sat	363/00	USB	(Danix)
16335	E11	10-8	1540	Sun	228/00	USB	(toto)
16335	E11	10-8	1540	Sun	228/00	USB	(Danix)
9130	E11	10-8	2005	Sun	363/00	USB	(toto/Danix)
9130	E11	10-8	2005	Sun	363/00	USB	(Danix)
10800	E11	11-8	0450	Mon	416/00	USB	(Danix)
10800	E11	11-8	0450	Mon	416/00	USB	(DM0551)
9610	E11	11-8	0745	Mon	262/00	USB	(Danix)
12924	E11	11-8	0830	Mon	649/00	USB	(Danix)
13427	E11	11-8	0900	Mon	534/00	USB	(Danix)
14753	E11	12-8	0710	Tue	633/00	USB	(Danix)
15632	E11	12-8	0745	Tue	335/00	USB	(AB)
15632	E11	12-8	0745	Tue	335/00	USB	(Danix)
9610	E11	12-8	1045	Tue	469/00	USB	(Danix)
13873	E11	12-8	1045	Tue	576/00	USB	(Danix)
13908	E11	12-8	1300	Tue	133/00	USB	(Danix)
8565	E11	13-8	0315	Wed	253/00	USB	(Danix)
14975	E11	13-8	0805	Wed	373/30 Att 15269 26684 33298 ... 81385 11846 50401 (unusual third repeat!)	USB	(Danix)
13427	E11	13-8	0900	Wed	534/00	USB	(Danix)
10213	E11	13-8	0930	Wed	270/00	USB	(Danix)
9610	E11	13-8	1045	Wed	469/00	USB	(Danix)
13908	E11	13-8	1300	Wed	133/00	USB	(Danix)
13908	E11	13-8	1300	Wed	133/00	USB	(MSM/GB)
8565	E11	14-8	0315	Thu	253/00	USB	(Danix)
15632	E11	14-8	0745	Thu	335/00	USB	(Danix)
4909	E11	14-8	0900	Thu	248/00	USB	(Danix)
10213	E11	14-8	0930	Thu	270/00	USB	(Danix)
10356	E11	14-8	1530	Thu	262/00	USB	(Danix)
8088	E11	14-8	1730	Thu	416/00	USB	(AB)
8088	E11	14-8	1730	Thu	416/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14753	E11	15-8	0710	Fri	633/00	USB	(AB)
14753	E11	15-8	0710	Fri	633/00	USB	(Danix)
12924	E11	15-8	0830	Fri	649/00	USB	(Danix)
8530	E11	15-8	2000	Fri	576/00	USB	(Danix)
4909	E11	16-8	0900	Sat	248/00	USB	(Danix)
14975	E11	17-8	0805	Sun	371/00	USB	(Danix)
9130	E11	17-8	2005	Sun	363/00	USB	(MPJ)
9130	E11	17-8	2006	Sun	363/00	USB	(Danix)
9610	E11	18-8	0745	Mon	262/00	USB	(Danix)
8725	E11	18-8	0820	Mon	438/00	USB	(AB)
8725	E11	18-8	0820	Mon	438/00	USB	(Danix)
12924	E11	18-8	0830	Mon	649/00	USB	(AB)
12924	E11	18-8	0830	Mon	649/00	USB	(Danix)
13427	E11	18-8	0900	Mon	534/00	USB	(Danix)
13427	E11	18-8	0900	Mon	534/00	USB	(AB)
16335	E11	18-8	1540	Mon	228/00	USB	(Danix)
9130	E11	18-8	2005	Sun	363/00	USB	(Danix)
13424	E11	19-8	0645	Tue	517/00	USB	(AB)
13424	E11	19-8	0645	Tue	517/00	USB	(Danix)
14753	E11	19-8	0710	Tue	633/00	USB	(AB)
14753	E11	19-8	0710	Tue	633/00	USB	(Danix)
15632	E11	19-8	0745	Tue	333/34 Att 99923 71424 39420 … 59849 20624 87377	USB	(Danix)
9610	E11	19-8	1045	Tue	469/00	USB	(AB)
9610	E11	19-8	1045	Tue	469/00	USB	(Danix)
13873	E11	19-8	1045	Tue	576/00	USB	(Danix)
8565	E11	20-8	0315	Wed	253/00	USB	(Danix)
13424	E11	20-8	0545	Wed	348/00	USB	(DM0551)
13424	E11	20-8	0545	Wed	348/00	USB	(Danix)
14975	E11	20-8	0805	Wed	311/00 Txm off at 08:05:29 back at 08:06:27 off at 08:07:27 and back after a few secs ends 08:08:25	USB	(AB)
14975	E11	20-8	0805	Wed	311/00 (was 371/00 on 2014-08-17 and before), stopping and restarting throughout	USB	(Danix)
13427	E11	20-8	0900	Wed	534/00	USB	(Danix)
13427	E11	20-8	0900	Wed	534/00	USB	(AB)
9610	E11	20-8	1045	Wed	469/00	USB	(Danix)
9610	E11	20-8	1045	Wed	469/00	USB	(AB/DM0551)
16335	E11	20-8	1155	Wed	718/00	USB	(Danix)
16335	E11	20-8	1155	Wed	718/00	USB	(AB)
4909	E11	20-8	1445	Wed	287/00	USB	(AB)
4909	E11	20-8	1445	Wed	287/00	USB	(Danix)
14865	E11	20-8	1705	Wed	392/00	USB	(AB)
14865	E11	20-8	1705	Wed	392/00	USB	(Danix)
8565	E11	21-8	0315	Thu	253/00	USB	(Danix)
13424	E11	21-8	0645	Thu	517/00	USB	(Danix)
15632	E11	21-8	0745	Thu	333/34 Att 99923 71424 39420 … 59849 20624 87377	USB	(Danix)
8725	E11	21-8	0820	Thu	438/00	USB	(Danix)
8725	E11	21-8	0820	Thu	438/00	USB	(AB)
4909	E11	21-8	0900	Thu	248/00	USB	(AB)
4909	E11	21-8	0900	Thu	248/00	USB	(Danix)
16335	E11	21-8	1155	Thu	718/00	USB	(Danix)
10356	E11	21-8	1530	Thu	262/00	USB	(Danix)
13424	E11	22-8	0545	Fri	348/00	USB	(Danix)
14753	E11	22-8	0710	Fri	633/00	USB	(Danix)
14753	E11	22-8	0710	Fri	633/00	USB	(AB)
12924	E11	22-8	0830	Fri	649/00	USB	(Danix)
10487	E11	22-8	1710	Fri	955/25 Attention 49096 61652 98839 … 51422 71223 36566 Attention, rpt msg, out	USB	(AB)
8530	E11	22-8	2000	Fri	576/00	USB	(Danix)
4909	E11	23-8	0900	Sat	248/00	USB	(Danix)
4909	E11	23-8	0900	Sat	248/00	USB	(AB)
4909	E11	23-8	1445	Sat	287/00	USB	(Danix)
4909	E11	23-8	1445	Sat	287/00	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14865	E11	23-8	1705	Sat	392/00	USB	(Danix)
14865	E11	23-8	1705	Sat	392/00	USB	(MPJ)
9130	E11	23-8	2005	Sat	363/00	USB	(GHn)
9130	E11	23-8	2005	Sat	363/00	USB	(Danix)
14975	E11	24-8	0805	Sun	311/00	USB	(Danix)
16335	E11	24-8	1540	Sun	228/00	USB	(Danix)
16335	E11	24-8	1540	Sun	228/00	USB	(AB)
9130	E11	24-8	2005	Sun	363/00	USB	(Danix)
9130	E11	24-8	2005	Sun	363/00	USB	(AB/MPJ)
10800	E11	25-8	0450	Mon	416/00	USB	(Danix)
9610	E11	25-8	0745	Mon	262/00	USB	(AB)
9610	E11	25-8	0745	Mon	262/00	USB	(Danix)
8725	E11	25-8	0820	Mon	438/00	USB	(AB)
8725	E11	25-8	0820	Mon	438/00	USB	(Danix)
12924	E11	25-8	0830	Mon	649/00	USB	(AB)
12924	E11	25-8	0830	Mon	649/00	USB	(Danix)
13427	E11	25-8	0900	Mon	530/30 Attention 30818 18226 32853 ... 68415 86531 22151 Attention, rpt msg, out	USB	(AB)
16335	E11	25-8	1540	Mon	228/00	USB	(AB)
16335	E11	25-8	1540	Mon	228/00	USB	(Danix)
13424	E11	26-8	0645	Tue	517/00	USB	(Danix)
15632	E11	26-8	0745	Tue	335/00	USB	(Danix)
15632	E11	26-8	0745	Tue	335/00	USB	(AB)
9610	E11	26-8	1045	Tue	469/00	USB	(Danix)
13908	E11	26-8	1300	Tue	133/00	USB	(Danix)
13424	E11	27-8	0545	Wed	348/00	USB	(Danix)
13424	E11	27-8	0545	Wed	348/00	USB	(AB)
14975	E11	27-8	0805	Wed	311/00	USB	(Danix)
10213	E11	27-8	0930	Wed	270/00	USB	(Danix)
9610	E11	27-8	1045	Wed	469/00	USB	(Danix)
16335	E11	27-8	1155	Wed	718/00	USB	(Danix)
16335	E11	27-8	1155	Wed	718/00	USB	(AB/MPJ)
13908	E11	27-8	1300	Wed	133/00	USB	(Danix)
4909	E11	27-8	1445	Wed	287/00	USB	(Danix)
14865	E11	27-8	1705	Wed	392/00	USB	(Danix)
14865	E11	27-8	1705	Wed	392/00	USB	(AB)
13424	E11	28-8	0645	Thu	517/00	USB	(Danix)
10356	E11	28-8	0745	Thu	262/00	USB	(Danix)
15632	E11	28-8	0745	Thu	335/00	USB	(Danix)
8725	E11	28-8	0820	Thu	438/00	USB	(Danix)
8725	E11	28-8	0820	Thu	438/00	USB	(AB)
4909	E11	28-8	0900	Thu	248/00	USB	(Danix)
10213	E11	28-8	0930	Thu	270/00	USB	(Danix)
16335	E11	28-8	1155	Thu	718/00	USB	(Danix)
10356	E11	28-8	1530	Thu	262/00	USB	(HFD)
10356	E11	28-8	1530	Thu	262/00	USB	(MPJ)
8088	E11	28-8	1730	Thu	416/00	USB	(Danix)
13424	E11	29-8	0545	Fri	348/00	USB	(Danix)
13424	E11	29-8	0545	Fri	348/00	USB	(AB)
12924	E11	29-8	0830	Fri	649/00	USB	(Danix)
4909	E11	30-8	0900	Sat	248/00	USB	(Danix)
4909	E11	30-8	1445	Sat	287/00	USB	(Danix)
14865	E11	30-8	1705	Sat	392/00	USB	(Danix)
14865	E11	30-8	1705	Sat	392/00	USB	(MPJ)
9130	E11	30-8	2005	Sat	369/37 Att 09400 64698 76029 ... 01806 79321 22754	USB	(Danix)
14975	E11	31-8	0805	Sun	311/00	USB	(Danix)
16388	E11a	1-8	1110	Fri	954/31 Att 68637 03804 01789 ... 51377 27815 37130	USB	(Danix)
10487	E11a	1-8	1710	Fri	955/22 Att 16915 74115 61390 ... 87110 52372 27791	USB	(Danix)
14769	E11a	2-8	0530	Sat	980/10 20488 12805 36166 55772 13211 82071 92828 22801 53882 10431	USB	(Danix)
13722	E11a	2-8	1400	Sat	981/10 48993 53845 77815 84992 46408 71660 18424 14473 51956 32103	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
13722	E11a	2-8	1400	Sat	981/10 Attention 48993 53845 77815 84992 46408 71660 18424 14473 51956 32103 Attention, rpt msg, out	USB	(GHn)
14518	E11a	2-8	1810	Sat	982/10 Attention 19804 35822 06956 17478 06565 43737 90091 43200 72541 76214 Attention, rpt msg, out	USB	(GHn)
9610	E11a	4-8	0745	Mon	262/32 Att 96657 80976 18554 ... 28715 47522 39358, 0746z audio off for 28 secs, 0749z DOUBLE E11a	USB	(Danix)
12924	E11a	4-8	0830	Mon	640/36 but 30 groups sent 640/36 Att 79504 95946 04294 ... 38472 62530 17532	USB	(Danix)
16388	E11a	4-8	1110	Mon	954/34 Att 42663 51765 61499 ... 57302 80372 83409	USB	(Danix)
10487	E11a	4-8	1710	Mon	959/28 Att 66118 74315 89823 ... 33504 25192 00626	USB	(Danix)
14769	E11a	5-8	0530	Tue	980/10 97285 96245 93466 25332 18340 63962 02219 48103 06991 09612	USB	(Danix)
9610	E11a	5-8	1045	Tue	466/30 Att 75991 52233 43480 ... 07295 91201 55495	USB	(Danix)
14518	E11a	5-8	1810	Tue	983/10 11957 67261 99607 50377 29076 62898 46920 38322 44018 05259	USB	(Danix)
14975	E11a	6-8	0805	Wed	373/30 Att 15269 26684 33298 ... 81385 11846 50401	USB	(Danix)
9610	E11a	6-8	1045	Wed	466/30 Attention 75991 52233 43480 ... 07295 91201 55495 Attention, rpt msg, out	USB	(AB)
9610	E11a	6-8	1045	Wed	466/30 Att 75991 52233 43480 ... 07295 91201 55495	USB	(Danix)
10356	E11a	7-8	1530	Thu	262/32 Att 96657 80976 18554 ... 28715 47522 39358	USB	(Danix)
12924	E11a	8-8	0830	Fri	640/36 but 30 groups sent 640/36 Att 79504 95946 04294 ... 38472 62530 17532	USB	(Danix)
12924	E11a	8-8	0830	Fri	640/36 Attention 79504 95946 04294 ... 38472 62530 17582 Sent 30 groups instead of 36	USB	(AB)
16388	E11a	8-8	1110	Fri	952/31 Att 15477 40732 91872 ... 34131 36797 62755	USB	(Danix)
10487	E11a	8-8	1710	Fri	955/21 Att 79402 00301 55006 ... 76162 18720 20667	USB	(Danix)
14769	E11a	9-8	0530	Sat	981/10 23765 23517 32624 18608 38692 10644 48901 01248 89662 94295	USB	(Danix)
14518	E11a	9-8	1810	Sat	983/10 34266 37278 10793 86154 82771 83240 25286 85856 85606 27510	USB	(Danix)
14518	E11a	9-8	1810	Sat	983/10 Attention 34266 37278 10793 86154 82771 83240 25286 85856 85606 27510 Attention, rpt msg, out	USB	(GHn)
14975	E11a	10-8	0805	Sun	373/30 Att 15269 26684 33298 ... 81385 11846 50401	USB	(Danix)
14975	E11a	10-8	0805	Sun	373/30 Attention 15269 26684 33298 ... 81385 11846 50401 Attention, rpt msg, out	USB	(AB)
8725	E11a	11-8	0820	Mon	436/35 Attention 65689 85344 66358 ... 50348 04457 75212 Attention, rpt msg, out	USB	(AB)
8725	E11a	11-8	0820	Mon	436/35 Att 65689 85344 66358 ... 50348 04457 75212	USB	(Danix)
16388	E11a	11-8	1110	Mon	952/31 Attention unreadable	USB	(AB)
16388	E11a	11-8	1110	Mon	952/31 Att 77491 07629 90823 ... 43980 12509 83382	USB	(Danix)
16335	E11a	11-8	1540	Mon	225/37 Att 98629 17222 21793 ... 95745 19979 66427	USB	(Danix)
10487	E11a	11-8	1710	Mon	955/21 Att 14381 40084 86570 ... 17770 66662 85917 w/ Windows XP shutdown	USB	(Danix)
14769	E11a	12-8	0530	Tue	984/10 72323 52088 85365 37793 53881 31830 65273 67988 34693 21742	USB	(Danix)
13424	E11a	12-8	0645	Tue	511/30 Attention 05747 61813 25794 ... 37477 72376 77274 Attention, rpt msg, out	USB	(AB)
13424	E11a	12-8	0645	Tue	511/30 Att 05747 61813 25794 ... 37477 72376 77274	USB	(Danix)
13722	E11a	12-8	1400	Tue	985/10 Attention 04904 91387 38483 95635 58913 37921 62163 01061 49751 13598 Attention, rpt msg, out	USB	(AB)
13722	E11a	12-8	1400	Tue	985/10 04904 91387 38483 95635 58913 37921 62163 01061 49751 13598	USB	(Danix)
14518	E11a	12-8	1810	Tue	987/10 Attention 87181 65790 08652 30351 74940 98810 49564 49978 08761 88293 Attention, rpt msg, out	USB	(GHn)
14518	E11a	12-8	1810	Tue	987/10 87181 65790 08652 30351 74940 98810 49564 49978 08761 88293	USB	(Danix)
13424	E11a	13-8	0545	Wed	343/36 Att 64280 31182 73866 ... 54235 27289 03756	USB	(Danix)
13424	E11a	13-8	0545	Wed	343/36 Attention 64280 31182 73866 ... 54235 27289 03756 Attention, rpt msg, out	USB	(DM0551)
14975	E11a	13-8	0805	Wed	373/30 Attention 15269 26684 33298 ... 81385 11846 50401 Attention, rpt msg, out	USB	(AB/DM0551)
16335	E11a	13-8	1155	Wed	710/36 Att 86363 86938 21092 ... 22786 18538 27160	USB	(Danix)
16335	E11a	13-8	1155	Wed	710/36 Attention 86363 86938 21092 ... 22786 18538 27160 Attention, rpt msg, out	USB	(DM0551)
4909	E11a	13-8	1445	Wed	287/36 Att 51019 10709 62536 ... 23168 18680 43385	USB	(Danix)
14865	E11a	13-8	1705	Wed	390/33 Att 35292 08410 45263 ... 37823 90073 27882	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
13424	E11a	14-8	0645	Thu	511/30 Att 05747 61813 25794 ... 37477 72376 77274	USB	(Danix)
13424	E11a	14-8	0645	Thu	511/32 Attention 25747 61813 25794 ... 37477 72376 77274 Attention, rpt msg, out	USB	(AB)
8725	E11a	14-8	0820	Thu	436/35 Att 65689 85344 66358 ... 50348 04457 75212	USB	(Danix)
8725	E11a	14-8	0820	Thu	436/35 Attention 65689 85344 66358 ... 50348 04457 75212 Attention, rpt msg, out	USB	(AB)
16335	E11a	14-8	1155	Thu	710/36 Att 86363 86938 21092 ... 22786 18538 27160	USB	(Danix)
13242	E11a	15-8	0545	Fri	unreadable message	USB	(AB)
13424	E11a	15-8	0545	Fri	343/36 Att 64280 31182 73866 ... 54235 27289 03756	USB	(Danix)
16388	E11a	15-8	1110	Fri	954/31 Att 22236 86270 80800 ... 45961 63629 54094	USB	(Danix)
10487	E11a	15-8	1710	Fri	957/21 Att 48943 09462 26511 ... 05149 21316 08475	USB	(Danix)
14769	E11a	16-8	0530	Sat	981/10 10326 73122 58819 63324 83688 41387 40035 40685 88144 58376	USB	(Danix)
13722	E11a	16-8	1400	Sat	980/10 47538 47157 17178 11672 12297 68708 01901 05447 30951 53747	USB	(Danix)
4909	E11a	16-8	1445	Sat	287/36 Att 51019 10709 62536 ... 23168 18680 43385	USB	(Danix)
14865	E11a	16-8	1705	Sat	390/33 Att 35292 08410 45263 ... 37823 90073 27882	USB	(Danix)
14518	E11a	16-8	1810	Sat	982/10 73531 85291 29915 46393 84384 63006 14148 49439 49287 40561	USB	(Danix)
16335	E11a	17-8	1540	Sun	225/37 Att 98629 17222 21793 ... 95745 19979 66427	USB	(Danix)
16335	E11a	17-8	1540	Sun	225/37 Unreadable	USB	(MPJ)
10800	E11a	18-8	0450	Mon	413/34 Att 07907 03450 96792 ... 89993 83594 45631	USB	(Danix)
16388	E11a	18-8	1110	Mon	952/34 Att 02099 83383 80810 ... 56302 56800 14380	USB	(Danix)
16388	E11a	18-8	1110	Mon	952/34 Attention 02099 83383 80810 ... 56302 56800 14380 Attention, rpt msg, out	USB	(AB)
10487	E11a	18-8	1710	Mon	959/26 Attention 47511 41892 38132 06461 96701 ... 70607 60279 59376 93431 23038	USB	(MPJ)
10487	E11a	18-8	1710	Mon	959/26 Att 47511 41892 38132 ... 59376 93431 23038	USB	(Danix)
14769	E11a	19-8	0530	Tue	980/10 63304 95406 91675 13021 25582 71340 62965 32129 30104 68129	USB	(Danix)
14769	E11a	19-8	0530	Tue	980/10 Attention 63304 95406 91675 13021 25582 71340 62965 32129 30104 68129	USB	(DM0551)
13908	E11a	19-8	1300	Tue	135/30 Att 51883 08292 60280 ... 21416 06157 38728	USB	(Danix)
13908	E11a	19-8	1300	Tue	135/30 Attention 51883 08292 60280 ... 21416 06157 38728 Attention, rpt msg, out	USB	(AB/DM0551/MPJ)
13722	E11a	19-8	1400	Tue	981/10 18105 75841 57747 06045 29396 86379 38181 12754 96033 03227	USB	(Danix)
13722	E11a	19-8	1400	Tue	981/10 Attention 18105 75841 57747 06045 29396 86379 38181 12754 96033 03227 Att, rpt msg, out	USB	(AB)
14518	E11a	19-8	1810	Tue	982/10 Attention 02487 68829 52069 87148 81853 72294 05361 37203 42626 09117	USB	(MPJ)
14518	E11a	19-8	1810	Tue	982/10 02487 68829 52069 87148 81853 72294 05361 37203 42626 09117	USB	(Danix)
10213	E11a	20-8	0930	Wed	276/36 Att 52396 69623 77371 ... 34410 03101 75027	USB	(Danix)
13908	E11a	20-8	1300	Wed	135/30 Att 51883 08292 60280 ... 21416 06157 38728	USB	(Danix)
13908	E11a	20-8	1300	Wed	135/30 Attention 51883 08292 60280 ... 21416 06157 38728 Attention, rpt msg, out	USB	(AB)
15632	E11a	21-8	0745	Thu	333/34 Attention 99923 71424 39420 ... 59849 20624 87377 Attention, rpt msg, out	USB	(AB)
10213	E11a	21-8	0930	Thu	276/36 Att 52396 69623 77371 ... 34410 03101 75027	USB	(Danix)
8088	E11a	21-8	1730	Thu	413/34 Att 07907 03450 96792 ... 89993 83594 45631	USB	(Danix)
16388	E11a	22-8	1110	Fri	957/30 Attention 862.. unreadable	USB	(AB)
16388	E11a	22-8	1110	Fri	957/32 Att 86295 08336 85444 ... 29415 32843 52922	USB	(Danix)
10487	E11a	22-8	1710	Fri	955/25 Att 49096 61652 98839 ... 51422 71223 36566	USB	(Danix)
14769	E11a	23-8	0530	Sat	981/10 04283 02491 67400 13576 84313 49997 16143 32620 36710 89562	USB	(Danix)
13722	E11a	23-8	1400	Sat	982/10 Attention 09442 15479 82702 92669 25990 35925 85523 47179 82505 85442 Att, rpt msg, out	USB	(AB/MPJ)
14518	E11a	23-8	1810	Sat	985/10 77832 30512 59002 50243 37860 44173 11881 47233 84424 69167	USB	(Danix)
13427	E11a	25-8	0900	Mon	530/30 Att 30818 18226 32853 ... 68415 86531 22151	USB	(Danix)
16388	E11a	25-8	1110	Mon	952/34 Att 34183 54814 32268 ... 45085 97714 69321	USB	(Danix)
16388	E11a	25-8	1110	Mon	952/34 Attention 34183 54814 32268 ... 45085 97714 69321 Attention, rpt msg, out	USB	(AB)
10487	E11a	25-8	1710	Mon	955/20 Att 80398 31724 69754 ... 95464 81373 66750	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
10487	E11a	25-8	1710	Mon	955/20 Attention 80398 31724 69754 ... 95464 81373 66750 Attention, rpt msg, out	USB	(AB)
14769	E11a	26-8	0530	Tue	988/10 64087 10444 73618 15425 20711 78772 58517 28754 19458 29129	USB	(Danix)
14753	E11a	26-8	0710	Tue	630/32 630/32 Att 46482 99678 95158 ... 74734 79538 98722	USB	(Danix)
14753	E11a	26-8	0710	Tue	630/32 Attention 46482 99678 95158 ... 74734 79538 98722 Attention, rpt msg, out	USB	(AB)
13873	E11a	26-8	1045	Tue	573/31 Attention 67689 89413 94274 ... 90606 75504 47130 Attention, rpt msg, out	USB	(AB)
13873	E11a	26-8	1045	Tue	573/31 Att 67689 89413 94274 ... 90606 75504 47130	USB	(Danix)
13722	E11a	26-8	1400	Tue	984/10 Attention 72009 48553 60358 38942 24431 39914 69832 87335 67407 57124 Attention, rpt msg, out	USB	(GHn)
13722	E11a	26-8	1400	Tue	985/10 72009 48553 60358 38942 24431 39914 69832 87335 66407 54124	USB	(Danix)
14518	E11a	26-8	1810	Tue	987/10 Attention 78446 22627 35869 09137 48931 68946 88263 95433 86122 58646 Attention, rpt msg, out	USB	(MPJ)
8565	E11a	27-8	0315	Wed	256/34 Att 17160 83893 33198 ... 94445 79083 92498	USB	(Danix)
13427	E11a	27-8	0900	Wed	530/30 Att 30818 18226 32853 ... 68415 86531 22151	USB	(Danix)
8565	E11a	28-8	0315	Thu	256/34 Att 17160 83893 33198 ... 94445 79083 92498	USB	(Danix)
14753	E11a	29-8	0710	Fri	630/32 Attention 46482 99678 95158 ... 74734 79538 98722 Attention, rpt msg, out	USB	(AB)
14753	E11a	29-8	0710	Fri	630/32 630/32 Att 46482 99678 95158 ... 74734 79538 98722	USB	(Danix)
16388	E11a	29-8	1110	Fri	954/34 Att 35665 85599 51915 ... 36526 29602 22071	USB	(Danix)
16388	E11a	29-8	1110	Fri	954/34 Attention 35665 85599 51915 ... 36526 29602 22071 Attention, rpt msg, out	USB	(DM-HOL/MPJ)
10487	E11a	29-8	1710	Fri	959/20 Attention 43461 19583 99626 ... 97867 51312 36485	USB	(MPJ)
8530	E11a	29-8	2000	Fri	573/31 Att 67689 89413 94274 ... 90606 75504 47130	USB	(Danix)
8530	E11a	29-8	2000	Fri	573/31 Attention 67689 89413 94274 ... 90606 75504 47130	USB	(MPJ)
14769	E11a	30-8	0530	Sat	980/10 35469 79273 95035 42111 89295 82140 51531 83364 02084 02722	USB	(Danix)
13722	E11a	30-8	1400	Sat	982/10 Attention 66839 25616 96084 03972 48280 82562 38214 71507 35113 24345	USB	(MPJ)
13722	E11a	30-8	1400	Sat	982/10 66839 25616 96084 03972 48280 82562 38214 71507 35113 24345	USB	(Danix)
14518	E11a	30-8	1810	Sat	981/10 21026 95787 72440 00462 10696 28055 90461 09483 26203 50332	USB	(Danix)
9130	E11a	30-8	2005	Sat	369/37 Attention 09400 64698 76029 40391 26481 ... 48241 28449 01806 79321 22754	USB	(MPJ)
9130	E11a	31-8	2005	Sun	369/37 Attention 09400 64698 76029 ... 79321 22754. Attn, rpt msg, out	USB	(GHn/MPJ)
16780	E17z	7-8	0800	Thu	674 802 5 48304 33888 23754 97912 10870	USB	(Danix)
12850	E17z	7-8	0810	Thu	674 802 5 48304 33888 23754 97912 10870	USB	(Danix)
16780	E17z	14-8	0800	Thu	674 802 5 48304 33888 23754 97912 10870	USB	(Danix)
12850	E17z	14-8	0810	Thu	674 802 5 48304 33888 23754 97912 10870	USB	(Danix)
12850	E17z	14-8	0810	Thu	674 802 5 4830 33888 23754 97912 10870 802 5 00000	USB	(linkz)
16780	E17z	21-8	0800	Thu	674 893 5 34596 91021 25046 58778 78626	USB	(Danix)
16780	E17z	21-8	0800	Thu	674 893 5 34596 91021 25046 58778 78626 893 5 00000	USB	(AB)
12850	E17z	21-8	0810	Thu	674 893 5 34596 91021 25046 58778 78626 893 5 00000	USB	(AB)
12850	E17z	21-8	0810	Thu	674 893 5 34596 91021 25046 58778 78626	USB	(Danix)
16780	E17z	28-8	0800	Thu	674 893 5 34596 91021 25046 58778 78626	USB	(Danix)
16780	E17z	28-8	0800	Thu	674 893 5 34596 91021 25046 58778 78626 893 5 00000	USB	(AB)
12850	E17z	28-8	0810	Thu	674 893 5 34596 91021 25046 58778 78626	USB	(Danix)
12850	E17z	28-8	0810	Thu	674 893 5 34596 91021 25046 58778 78626 893 5 00000	USB	(AB)
9450	E25a	23-8	1214	Sat	Enta Omri followed by 883 0 (1x) 830 1 (14x), Message (3x), Rebeat (3x), EOM, EOT	AM	(toto/Avare)
16341.7	EGY	1-8	1208	Fri	MFA Cairo clg embassy Djibuti (KKXD)	SITOR-A 100/170	(AAI)
16341.7	EGY	1-8	1208	Fri	MFA Cairo clg KKXD: Egyptian embassy Djibuti	Sitor-A 100/170	(AAI)
11033	EGY	5-8	1821	Tue	MFA Cairo clg XBVP embassy Rome	Sitor-A 100/170	(PPA)
11033	EGY	7-8	1952	Thu	03: Egyptian embassy Rabat MRC answers call from 99909 MFA Cairo into Simplex Codan 9001 traffic	Codan chirp/80/2800	(PPA)
11033	EGY	7-8	1952	Thu	99909: MFA Cairo clg 03 embassy Rabat	Codan Chirp/80/2800	(PPA)
11115	EGY	8-8	0628	Fri	MFA Cairo clg OOVX embassy Ankara, into CODAN 9001 modem traffic	Sitor-A 100/170	(PPA)
10820	EGY	14-8	2021	Thu	MFA Cairo wkg KKXU embassy Harare	Sitor-A 100/170	(PPA)
10825	EGY	15-8	1704	Fri	99910: MFA Cairo clg 11107 embassy Londen	Codan Chrip 80/300	(PPA)
18144.7	EGY	19-8	0740	Tue	MFA Cairo clg KKVD embassy Conakry	Sitor-A 100/170	(IARUMS)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14345	EGY	19-8	1543	Tue	MFA Cairo (99902) wkg embassy Islamabad (44405)	Codan Chrip	(linkz)
10181	G06	1-8	1900	Fri	167 00000	USB	(Danix)
10180	G06	1-8	1901	Fri	167 167 167 00000	USB	(LG2)
8134	G06	1-8	2000	Fri	167 00000	USB	(Danix)
6948	G06	4-8	0800	Mon	215 00000	USB	(Danix)
5412	G06	4-8	1700	Mon	367 00000	USB	(Danix)
5783	G06	4-8	1800	Mon	367 00000	USB	(Danix)
5837	G06	7-8	1300	Thu	215 00000	USB	(Danix)
6948	G06	11-8	0800	Mon	215 00000	USB	(Danix)
5412	G06	11-8	1700	Mon	367 00000	USB	(Danix)
5783	G06	11-8	1800	Mon	367 367 367 00000	USB	(GHn)
5783	G06	11-8	1800	Mon	367 00000	USB	(Danix)
5837	G06	14-8	1300	Thu	215 00000	USB	(Danix)
6887	G06	14-8	1830	Thu	842 931 20 06132 75514 79681 ... 49870 63962 04884 931 20 00000	USB	(Danix)
6887	G06	14-8	1830	Thu	842 931 20 06132 75514 79681 ... 49870 63962 04884 842 931 00000	USB	(GHn/Danix)
10186	G06	15-8	1900	Fri	167 00000	USB	(Danix)
5943	G06	15-8	1930	Fri	218 (R) 377 377 20 20 37839 37839 35787 35787 98273 98273 82187 82187 16200 16200 95625 95625 31691 31691 52538 52538 61225 61225 22567 22 stopped	USB	(AB)
5943	G06	15-8	1930	Fri	218 347 20 37839 35787 98273 ... 60491 75924 04594 347 20 00000	USB	(Danix)
8134	G06	15-8	2000	Fri	167 00000	USB	(Danix)
8134	G06	15-8	2000	Fri	167 167 167 00000	AM	(AB)
6948	G06	18-8	0800	Mon	215 00000	USB	(Danix)
5837	G06	21-8	1300	Thu	215 00000	USB	(Danix)
6948	G06	25-8	0800	Mon	215 215 215 00000	USB	(AB)
6948	G06	25-8	0800	Mon	215 00000	USB	(Danix)
5837	G06	28-8	1300	Thu	215 00000	USB	(Danix)
6887	G06	28-8	1830	Thu	842 931 20 06132 75514 79681 94217 _1443 ... 18809 85052 49870 63962 04884 931 20 00000	USB	(MPJ)
5837	G06	29-8	1300	Fri	215 0	USB	(HFD)
5943	G06	29-8	1930	Fri	218 347 20 37839 35787 98273 ... 60491 75924 04594 347 20 00000	USB	(Danix)
5943	G06	29-8	1930	Fri	218 347 20 37839 35787 98273 ... 60491 75924 04594 347 20 00000	USB	(GHn)
5855	HM01	1-8	0500	Fri	83123 07715 57253 34033 55528 14423	AM/RDFT	(AB/SFNY)
10345	HM01	1-8	0600	Fri	83123 07715 57253 34033 55528 14423	AM/RDFT	(AB)
9330	HM01	1-8	0700	Fri	83123 07715 57253 34033 55528 14423	AM/RDFT	(AB)
9065	HM01	1-8	0835	Fri	Cuban Intelligence Havana	AM/RDFT	(LG2)
10715	HM01	1-8	2200	Fri	14424 83124 07716 57254 34034 55529	AM/RDFT	(Dan)
14375	HM01	2-8	0500	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(SFNY)
14375	HM01	2-8	0600	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(AB)
13435	HM01	2-8	0700	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(AB)
11635	HM01	2-8	0800	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(AB)
11462	HM01	2-8	0900	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(AB)
12180	HM01	2-8	1000	Sat	83124 07716 57254 34034 55529 14424	AM/RDFT	(AB)
5855	HM01	3-8	0500	Sun	83125 07717 57255 34035 28051 14425	AM/RDFT	(SFNY)
10345	HM01	3-8	0600	Sun	83125 07717 57255 34035 28051 14425	AM/RDFT	(SFNY)
9330	HM01	3-8	0700	Sun	83125 07717 57255 34035 28051 14425	AM/RDFT	(AB)
9065	HM01	3-8	0800	Sun	83125 07717 57255 34035 28051 14425	AM/RDFT	(AB)
10715	HM01	3-8	2200	Sun	14426 83126 07718 57256 34036 28051	AM/RDFT	(Dan)
5855	HM01	4-8	0500	Mon	83126 07718 57256 34036 28051 14426	AM/RDFT	(SFNY)
10345	HM01	4-8	0600	Mon	83126 07718 57256 34036 28051 14426	AM/RDFT	(SFNY)
10345	HM01	4-8	0600	Mon	83126 07718 57256 34036 28051 14426	AM/RDFT	(AB)
11462	HM01	5-8	0500	Tue	50010 56451 57257 34037 28052 14427	AM/RDFT	(SFNY)
11464	HM01	5-8	0939	Tue	Cuban Intelligence Havana	AM/RDFT	(LG2)
5855	HM01	6-8	0500	Wed	50011 56451 57258 34038 28053 14428	AM/RDFT	(SFNY)
5855	HM01	6-8	0500	Wed	50011 56451 57258 34038 28053 14428	AM/RDFT	(AB)
10345	HM01	6-8	0600	Wed	50011 56451 57258 34038 28053 14428	AM/RDFT	(SFNY)
10345	HM01	6-8	0638	Wed	50011 56451 57258 34038 28053 14428	AM/RDFT	(LG2)
11435	HM01	6-8	1618	Wed	50012 56452 57259 76111 28054 14429	AM/RDFT	(DSch)
11530	HM01	6-8	1707	Wed	50012 56452 57259 76111 28054 14429	AM/RDFT	(DSch)
11635	HM01	6-8	1804	Wed	50012 56452 57259 76111 28054 14429	AM/RDFT	(DSch)
11635	HM01	6-8	2134	Wed	50012 56452 57259 76111 28054 14429	AM/RDFT	(DSch)
10715	HM01	6-8	2200	Wed	50012 56452 57259 76111 28054 14429	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11462	HM01	7-8	0500	Thu	50012 56452 57259 76111 28054 14429 //14375 kHz	AM/RDFT	(SFNY)
14375	HM01	7-8	0500	Thu	50012 56452 57259 76111 28054 14429 //11462 kHz	AM/RDFT	(SFNY)
13435	HM01	7-8	0659	Thu	50012 56452 57259 76111 28054 14429	AM/RDFT	(KC2TTK)
9270	HM01	7-8	0700	Thu	Spanish numbers + RDFT	AM/RDFT	(Rap)
11635	HM01	7-8	0803	Thu	50012 56452 57259 76111 28054 14429	AM/RDFT	(LG2)
11435	HM01	7-8	1600	Thu	50013 56453 86751 76111 28055 02231	AM/RDFT	(DSch)
11635	HM01	7-8	1807	Thu	50013 56453 86751 76111 28055 02231	AM/RDFT	(DSch)
16180	HM01	7-8	2106	Thu	50013 56453 86751 76111 28055 02231	AM/RDFT	(DSch)
17480	HM01	7-8	2204	Thu	50013 56453 86751 76111 28055 02231	AM/RDFT	(DSch)
5855	HM01	8-8	0500	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB/SFNY)
10345	HM01	8-8	0600	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB)
9330	HM01	8-8	0700	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB)
9065	HM01	8-8	0800	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB)
9240	HM01	8-8	0900	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB)
9155	HM01	8-8	1000	Fri	50013 56453 86751 76111 28055 02231	AM/RDFT	(AB)
11435	HM01	8-8	1600	Fri	50014 56454 86751 76112 28056 02231	AM/RDFT	(DSch)
11635	HM01	8-8	1800	Fri	50014 56454 86751 76112 28056 02231	AM/RDFT	(DSch)
11635	HM01	8-8	2108	Fri	50014 56454 86751 76112 28056 02231	AM/RDFT	(DSch)
10715	HM01	8-8	2210	Fri	50014 56454 86751 76112 28056 02231	AM/RDFT	(DSch)
11462	HM01	9-8	0500	Sat	50014 56454 86751 76112 28056 02231 //14375 kHz	AM/RDFT	(AB)
11462	HM01	9-8	0500	Sat	50014 56454 86751 76112 28056 02231	AM/RDFT	(SFNY)
14375	HM01	9-8	0500	Sat	50014 56454 86751 76112 28056 02231 //11462 kHz	AM/RDFT	(AB)
14375	HM01	9-8	0600	Sat	50013 56453 86751 76111 28055 02231	AM/RDFT	(SFNY)
14375	HM01	9-8	0600	Sat	50014 56454 86751 76112 28056 02231	AM/RDFT	(AB)
13435	HM01	9-8	0700	Sat	50014 56454 86751 76112 28056 02231	AM/RDFT	(AB)
11635	HM01	9-8	0800	Sat	50014 56454 86751 76112 28056 02231	AM/RDFT	(AB)
11435	HM01	9-8	1559	Sat	50014 56454 86751 76112 28056 02231	AM/RDFT	(DSch)
11530	HM01	9-8	1703	Sat	50411 56455 86752 76113 28056 02232	AM/RDFT	(DSch)
11635	HM01	9-8	1802	Sat	50411 56455 86752 76113 28056 02232	AM/RDFT	(DSch)
16180	HM01	9-8	2103	Sat	53411 56455 86752 76113 28057 02232	AM/RDFT	(DSch)
17480	HM01	9-8	2220	Sat	53411 56455 86752 76113 28057 02232	AM/RDFT	(DSch)
5855	HM01	10-8	0500	Sun	53411 56455 86752 76113 28057 02232	AM/RDFT	(SFNY)
5855	HM01	10-8	0500	Sun	53411 56455 86752 76113 28057 02232	AM/RDFT	(AB)
10345	HM01	10-8	0500	Sun	53411 56455 86752 76113 28057 02232	AM/RDFT	(SFNY)
10345	HM01	10-8	0600	Sun	53411 56455 86752 76113 28057 02232. 0600z transmission started on 5855 kHz at 0559z. Switched at 0600z to 10345. Carrier on 5855 kHz off at 0602z	AM/RDFT	(AB)
9330	HM01	10-8	0700	Sun	53411 56455 86752 76113 28057 02232	AM/RDFT	(AB)
9065	HM01	10-8	0800	Sun	53411 56455 86752 76113 28057 02232	AM/RDFT	(AB)
11435	HM01	10-8	1606	Sun	53411 56456 86753 76114 28058 02233	AM/RDFT	(DSch)
11530	HM01	10-8	1700	Sun	53411 56456 86753 76114 28058 02233	AM/RDFT	(DSch)
11635	HM01	10-8	1802	Sun	53411 56456 86753 76114 28058 02233	AM/RDFT	(DSch)
11635	HM01	10-8	2115	Sun	53411 56456 86753 76114 28058 02233	AM/RDFT	(DSch)
10715	HM01	10-8	2200	Sun	53411 56456 86753 76114 28058 02233	AM/RDFT	(Dan/DSch)
5855	HM01	11-8	0500	Mon	53411 56456 86753 76114 28058 02233	AM/RDFT	(SFNY)
5855	HM01	11-8	0520	Mon	i.p.	AM/RDFT	(ADS)
10345	HM01	11-8	0600	Mon	53411 56456 86753 76114 28058 02233	AM/RDFT	(AB/SFNY)
9330	HM01	11-8	0700	Mon	53411 56456 86753 76114 28058 02233	AM/RDFT	(AB)
9065	HM01	11-8	0800	Mon	53411 56456 86753 76114 28058 02233	AM/RDFT	(AB)
11435	HM01	11-8	1600	Mon	53412 56457 86754 76115 28059 02234	AM/RDFT	(DSch)
11530	HM01	11-8	1714	Mon	53412 56457 86754 76115 28059 02234	AM/RDFT	(DSch)
11635	HM01	11-8	1800	Mon	53412 56457 86754 76115 28059 02234	AM/RDFT	(DSch)
11635	HM01	11-8	2103	Mon	53412 56457 86754 76115 28059 02234	AM/RDFT	(DSch)
14375	HM01	12-8	0600	Tue	53412 56457 86754 76115 28059 02234	AM/RDFT	(AB/SFNY)
13435	HM01	12-8	0700	Tue	53412 56457 86754 76115 28059 02234	AM/RDFT	(AB)
11635	HM01	12-8	0800	Tue	53412 56457 86754 76115 28059 02234	AM/RDFT	(AB)
11635	HM01	12-8	1822	Tue	53412 56457 86754 76115 28059 02234	AM/RDFT	(DSch)
16180	HM01	12-8	2100	Tue	53412 56457 86754 76115 28059 02234 53412 etc 122100	AM/RDFT	(DSch)
16180	HM01	12-8	2200	Tue	53412 56457 86754 76115 28059 02234 53412 etc 122200	AM/RDFT	(DSch)
5855	HM01	13-8	0500	Wed	53412 56457 76115 28059 02234	AM/RDFT	(SFNY)
10345	HM01	13-8	0600	Wed	53412 56457 76115 28059 02234	AM/RDFT	(SFNY)
10715	HM01	13-8	2200	Wed	53413 56458 86755 76116 85801 02235	AM/RDFT	(Dan/DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11435	HM01	14-8	1601	Thu	53414 14341 86756 76117 85801 02236	AM/RDFT	(DSch)
11530	HM01	14-8	1704	Thu	Very bief Spanish voice, nothing else heard	AM	(DSch)
16180	HM01	14-8	2108	Thu	53414 14341 86756 76117 85801 02236	AM/RDFT	(DSch)
17480	HM01	14-8	2239	Thu	53414 14341 86756 76117 85801 02236	AM/RDFT	(DSch)
5855	HM01	15-8	0500	Fri	53414 14341 86756 76117 85801 02236	AM/RDFT	(AB/SFNY)
10345	HM01	15-8	0600	Fri	53414 14341 86756 76117 85801 02236	AM/RDFT	(AB/SFNY)
9330	HM01	15-8	0700	Fri	53414 14341 86756 76117 85801 02236	AM/RDFT	(AB)
9333	HM01	15-8	0800	Fri	53414 14341 86756 76117 85801 02236	AM/RDFT	(ASD)
11435	HM01	15-8	1650	Fri	53415 14341 86757 03351 85802 02237	AM/RDFT	(DSch)
11530	HM01	15-8	1700	Fri	53415 14341 86757 03351 85802 02237	AM/RDFT	(DSch)
11635	HM01	15-8	1800	Fri	53415 14341 86757 03351 85802 02237	AM/RDFT	(DSch)
11635	HM01	15-8	2100	Fri	53415 14341 86757 03351 85802 02237	AM/RDFT	(DSch)
10715	HM01	15-8	2200	Fri	53415 14341 86757 03351 85802 02237	AM/RDFT	(DSch)
14375	HM01	16-8	0500	Sat	53415 14341 86757 03351 85802 02237	AM/RDFT	(SFNY)
11435	HM01	16-8	1600	Sat	53416 14342 86758 03351 85803 02238	AM/RDFT	(DSch)
11530	HM01	16-8	1700	Sat	53416 14342 86758 03351 85803 02238. Carrier on then off	AM/RDFT	(DSch)
11635	HM01	16-8	1800	Sat	53416 14342 86758 03351 85803 02238	AM/RDFT	(DSch)
16180	HM01	16-8	2103	Sat	53416 14342 86758 03351 85803 02238	AM/RDFT	(DSch)
17480	HM01	16-8	2200	Sat	53416 14342 86758 03351 85803 02238	AM/RDFT	(DSch)
10345	HM01	17-8	0600	Sun	53416 14342 86758 03351 85803 02238	AM/RDFT	(SFNY)
11435	HM01	17-8	1550	Sun	53416 14342 86758 03351 85803 02238	AM/RDFT	(DSch)
11530	HM01	17-8	1701	Sun	53417 14343 75581 03352 85804 73241	AM/RDFT	(DSch)
11635	HM01	17-8	1833	Sun	53417 14343 75581 03352 85804 73241	AM/RDFT	(DSch)
11635	HM01	17-8	2109	Sun	53417 14343 75581 03352 85804 73241. Should be on 16180 kHz	AM/RDFT	(DSch)
10715	HM01	17-8	2200	Sun	53417 14343 75581 03352 85804 73241	AM/RDFT	(DSch)
5855	HM01	18-8	0500	Mon	53417 14343 75581 03352 85804 73141	AM/RDFT	(SFNY)
10345	HM01	18-8	0600	Mon	53417 14343 75581 03352 85804 73141	AM/RDFT	(SFNY)
9330	HM01	18-8	0700	Mon	53417 14343 75581 03352 85804 73241. Problematic txm. See N&O 203	AM/RDFT	(AB)
9065	HM01	18-8	0800	Mon	53417 14343 75581 03352 85804 73241	AM/RDFT	(AB)
9240	HM01	18-8	0900	Mon	53417 14343 75581 03352 85804 73241	AM/RDFT	(AB)
11435	HM01	18-8	1602	Mon	53418 14344 75581 03353 85805 73241	AM/RDFT	(DSch)
11530	HM01	18-8	1700	Mon	53418 14344 75581 03353 85805 73241	AM/RDFT	(DSch)
11530	HM01	18-8	1800	Mon	53418 14344 75581 03353 85805 73241. Should be on 11635 kHz	AM/RDFT	(DSch)
11635	HM01	18-8	1830	Mon	53418 14344 75581 03353 85805 73241. Evidently realized 11530 kHz was the wrong freq	AM/RDFT	(DSch)
10715	HM01	18-8	2208	Mon	53418 14344 75581 03353 85805 73241	AM/RDFT	(DSch)
11435	HM01	19-8	1600	Tue	53419 14345 75582 03354 85806 73242	AM/RDFT	(MPJ)
11530	HM01	19-8	1700	Tue	53419 14345 75582 03354 85806 73242	AM/RDFT	(MPJ)
11635	HM01	19-8	1800	Tue	53419 14345 75582 03354 85806 73242	AM/RDFT	(MPJ)
16180	HM01	19-8	2100	Tue	53419 14345 75582 03354 85806 73242	AM/RDFT	(MPJ)
5855	HM01	20-8	0459	Wed	Carrier followed by M08a at 0459 UTC. HM01 at 0504 UTC with 53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
10345	HM01	20-8	0600	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
9330	HM01	20-8	0700	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
9065	HM01	20-8	0800	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
9240	HM01	20-8	0900	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
11435	HM01	20-8	1600	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
11530	HM01	20-8	1700	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
11635	HM01	20-8	1800	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
11635	HM01	20-8	2101	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
10715	HM01	20-8	2158	Wed	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
11462	HM01	21-8	0500	Thu	53419 14345 75582 03354 85806 73242	AM/RDFT	(AB/SFNY)
13435	HM01	21-8	0721	Thu	i.p. 53419 14345 75582 03354 85806 73242	AM/RDFT	(AB)
11530	HM01	21-8	1700	Thu	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
11635	HM01	21-8	1800	Thu	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
16180	HM01	21-8	2100	Thu	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
17480	HM01	21-8	2200	Thu	53419 14345 75582 03354 85806 73242	AM/RDFT	(DSch)
5855	HM01	22-8	0500	Fri	53419 14345 75582 03354 85806 73242	AM/RDFT	(SFNY)
11435	HM01	22-8	1601	Fri	41531 14346 75583 03355 85807 73243	AM/RDFT	(DSch)
11530	HM01	22-8	1714	Fri	41531 14346 75583 03355 85807 73243	AM/RDFT	(DSch)
11635	HM01	22-8	1800	Fri	41531 14346 75583 03355 85807 73243	AM/RDFT	(DSch)
11635	HM01	22-8	2114	Fri	41531 14346 75583 03355 85807 73243	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11635	HM01	22-8	2200	Fri	41531 14346 75583 03355 85807 73243. Starts here but should be on 10715 kHz	AM/RDFT	(DSch/Dan)
10715	HM01	22-8	2216	Fri	41531 14346 75583 03355 85807 73243. Comes from 11635 kHz	AM/RDFT	(DSch)
11462	HM01	23-8	0500	Sat	41531 14346 75583 03355 85507 73243	AM/RDFT	(SFNY)
11435	HM01	24-8	1606	Sun	41532 14348 75585 03357 17681 73245	AM/RDFT	(DSch)
11530	HM01	24-8	1704	Sun	41532 14348 75585 03357 17681 73245	AM/RDFT	(DSch)
11635	HM01	24-8	1811	Sun	41532 14348 75585 03357 17681 73245	AM/RDFT	(DSch)
11635	HM01	24-8	2104	Sun	41532 14348 75585 03357 17681 73245	AM/RDFT	(DSch)
10715	HM01	24-8	2201	Sun	41532 14348 75585 03357 17681 73245	AM/RDFT	(DSch)
9330	HM01	25-8	0700	Mon	41532 14348 75585 03357 17681 73245	AM/RDFT	(AB)
9065	HM01	25-8	0800	Mon	41532 14348 75585 03357 17681 73245	AM/RDFT	(AB)
11435	HM01	25-8	1600	Mon	41533 73121 75586 03358 17681 73246	AM/RDFT	(DSch)
11530	HM01	25-8	1730	Mon	41533 73121 75586 03358 17681 73246	AM/RDFT	(DSch)
11635	HM01	25-8	1800	Mon	41533 73121 75586 03358 17681 73246	AM/RDFT	(DSch)
11635	HM01	25-8	2102	Mon	41533 73121 75586 03358 17681 73246	AM/RDFT	(DSch)
10715	HM01	25-8	2200	Mon	41533 73121 75586 03358 17681 73246	AM/RDFT	(DSch)
11435	HM01	26-8	1603	Tue	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11530	HM01	26-8	1700	Tue	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11635	HM01	26-8	1800	Tue	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
16180	HM01	26-8	2059	Tue	41534 73121 75587 37221 17682 73247 i.p.	AM/RDFT	(DSch)
17480	HM01	26-8	2240	Tue	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
5855	HM01	27-8	0500	Wed	41534 73121 75587 37221 17682 73247. Late start at 0504z	AM/RDFT	(AB)
10345	HM01	27-8	0600	Wed	41534 73121 75587 37221 17682 73247	AM/RDFT	(AB)
11435	HM01	27-8	1603	Wed	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11530	HM01	27-8	1659	Wed	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11635	HM01	27-8	1801	Wed	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11635	HM01	27-8	2118	Wed	i.p. 41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
10715	HM01	27-8	2200	Wed	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11462	HM01	28-8	0525	Thu	i.p. 41534 73121 75587 37221 17682 73247	AM/RDFT	(AB)
11435	HM01	28-8	1638	Thu	i.p. 41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11530	HM01	28-8	1700	Thu	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11635	HM01	28-8	1811	Thu	i.p. 41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
16180	HM01	28-8	2100	Thu	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
17480	HM01	28-8	2208	Thu	i.p. 41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
5855	HM01	29-8	0500	Fri	41534 73121 75587 37221 17682 73247	AM/RDFT	(AB)
10345	HM01	29-8	0600	Fri	41534 73121 75587 37221 17682 73247	AM/RDFT	(AB)
11435	HM01	29-8	1559	Fri	41534 73121 75587 37221 17682 73247	AM/RDFT	(DSch)
11530	HM01	29-8	1707	Fri	41535 73122 75588 37221 17683 73248	AM/RDFT	(DSch)
11635	HM01	29-8	1800	Fri	41535 73122 75588 37221 17683 73248	AM/RDFT	(DSch)
11635	HM01	29-8	2100	Fri	41535 73122 75588 37221 17683 73248	AM/RDFT	(DSch)
10715	HM01	29-8	2200	Fri	41535 73122 75588 37221 17683 73248	AM/RDFT	(DSch)
11435	HM01	30-8	1534	Sat	41536 72123 16621 37222 17684 73249	AM/RDFT	(DSch)
11530	HM01	30-8	1656	Sat	41536 72123 16621 37222 17684 73249	AM/RDFT	(DSch)
11635	HM01	30-8	1800	Sat	41536 72123 16621 37222 17684 73249	AM/RDFT	(DSch)
11635	HM01	30-8	2108	Sat	41536 72123 16621 37222 17684 73249. Should be on 16180 kHz	AM/RDFT	(DSch)
9065	HM01	31-8	0830	Sun	i.p.	AM/RDFT	(NC)
11435	HM01	31-8	1612	Sun	i.p. 41357 7324 16621 37223 17685 52301	AM/RDFT	(DSch)
11530	HM01	31-8	1715	Sun	i.p. 41357 7324 16621 37223 17685 52301	AM/RDFT	(DSch)
11635	HM01	31-8	1800	Sun	41357 7324 16621 37223 17685 52301	AM/RDFT	(DSch)
11635	HM01	31-8	2059	Sun	41357 7324 16621 37223 17685 52301	AM/RDFT	(DSch)
10715	HM01	31-8	2200	Sun	41357 7324 16621 37223 17685 52301	AM/RDFT	(DSch/Dan)
10424	M01	1-8	1355	Fri	710 357 357 50 50 = = 65304 91003 70251 ... 65151 28996 44421 = = 357 357 50 50 000	CW	(Danix)
4905	M01	19-8	1950	Tue	025 076 30 = = 35978 43109 99946 41647 70029 ... 82567 38426 57354 11542 16204 = = 076 30 000.	CW	(MPJ)
4904	M01	19-8	2000	Tue	025 076 076 30 30 35978 43109 99946 ... 57354 11542 16204 = = 076 076 30 30 0 0 0	MCW	(Danix)
5280	M01	21-8	1800	Thu	025 338 30 = = 70792 47797 09721 44456 25038 ... 79566 24792 52226 76759 09192 = = 338 30 000	CW	(MPJ)
5280	M01	21-8	1800	Thu	025 338 338 30 30 = = 70792 47797 09721 ... 52226 76759 09192 = = 338 338 30 30 0 0 0	MCW	(Danix)
4905	M01	21-8	2000	Thu	025 774 774 30 30 = = 26810 26810 61507 61507 ... 98252 98252 11599 11599 = = 774 774 30 30 000	CW	(AB/MPJ)

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Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4905	M01	21-8	2000	Thu	025 774 774 3030 = EEEEEEEE 774 30 774 30 = = 26810 61507 92101 ... 68927 98252 11599 = = 774 774 30 30 0 0 0	MCW	(Danix)
6435	M01	23-8	1500	Sat	025 (R4) 127 127 30 30 = = 70792 70792 47397 ... 76759 09192 09192 = = 127 127 30 30 000	CW	(AB/MPJ)
11435	M01	23-8	1619	Sat	41531 14347 75584 03356 85808 73244	AM/RDFT	(DSch)
11530	M01	23-8	1700	Sat	41531 14347 75584 03356 85808 73244	AM/RDFT	(DSch)
11635	M01	23-8	1806	Sat	41531 14347 75584 03356 85808 73244	AM/RDFT	(DSch)
16180	M01	23-8	2105	Sat	41531 14347 75584 03356 85808 73244	AM/RDFT	(DSch)
17480	M01	23-8	2200	Sat	41531 14347 75584 03356 85808 73244	AM/RDFT	(DSch)
6780	M01	24-8	0700	Sun	025 512 512 30 30 = = 26010 61507 92101 ... 58927 98262 11599 = = 512 512 30 30 0 0 0	MCW	(Danix)
4905	M01	26-8	2000	Tue	025 771 30 = = 94020 61064 47604 35157 33439 ... 20007 64818 93888 04995 55518 = = 771 30 000 000	MCW	(MPJ)
5280	M01	28-8	1800	Thu	025 176 30 = = 88252 (?) Text unreadable	MCW	(MPJ)
4905	M01	28-8	2000	Thu	025 313 30 = = 94020 61064 47604 35157 33439 84691 58861. Many mistakes. See N&O 203	CW	(AB/MPJ)
5075	M01b	1-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5465	M01b	1-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
4895	M01b	1-8	2010	Fri	467 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5340	M01b	1-8	2010	Fri	467 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5125	M01b	4-8	1810	Mon	364 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5735	M01b	4-8	1810	Mon	364 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5150	M01b	4-8	1915	Mon	858 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5475	M01b	4-8	1915	Mon	858 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5095	M01b	7-8	1832	Thu	815 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5760	M01b	7-8	1832	Thu	815 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5065	M01b	7-8	1940	Thu	936 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5805	M01b	7-8	1940	Thu	936 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5075	M01b	8-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5465	M01b	8-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
4895	M01b	8-8	2010	Fri	467 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000 w/ Windows XP shutdown	MCW	(Danix)
5340	M01b	8-8	2010	Fri	467 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000 w/ Windows XP shutdown	MCW	(Danix)
5125	M01b	11-8	1810	Mon	364 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5735	M01b	11-8	1810	Mon	364 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5150	M01b	11-8	1915	Mon	858 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5475	M01b	11-8	1915	Mon	858 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5095	M01b	14-8	1832	Thu	815 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5760	M01b	14-8	1832	Thu	815 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5065	M01b	14-8	1940	Thu	936 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5805	M01b	14-8	1940	Thu	936 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5075	M01b	15-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000	MCW	(Danix)
5465	M01b	15-8	1902	Fri	336 320 30 = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30	MCW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
					30 000		
5075	M01b	15-8	2010	Fri	467 320 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000 w/ Windows XP shutdown	MCW	(Danix)
5465	M01b	15-8	2010	Fri	467 320 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 320 320 30 30 000 w/ Windows XP shutdown	MCW	(Danix)
5125	M01b	18-8	1810	Mon	364 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5735	M01b	18-8	1810	Mon	364 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5735	M01b	18-8	1810	Mon	117 30 = = 86183 82219 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000	MCW	(MPJ)
5150	M01b	18-8	1915	Mon	858 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5475	M01b	18-8	1915	Mon	858 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5475	M01b	18-8	1915	Mon	858 117 30 = = 86183 82219 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000	MCW	(MPJ)
5095	M01b	21-8	1832	Thu	815 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5760	M01b	21-8	1832	Thu	815 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5065	M01b	21-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5805	M01b	21-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5075	M01b	22-8	1902	Fri	336 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5465	M01b	22-8	1902	Fri	336 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
4895	M01b	22-8	2010	Fri	467 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5340	M01b	22-8	2010	Fri	467 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5125	M01b	25-8	1810	Mon	364 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5735	M01b	25-8	1810	Mon	364 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5150	M01b	25-8	1915	Mon	858 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5475	M01b	25-8	1915	Mon	858 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5095	M01b	28-8	1832	Thu	815 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5760	M01b	28-8	1832	Thu	815 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5095	M01b	28-8	1834	Thu	i.p. 45229 25903 65071 14638 93440 83459 42713 20062 76014 77995 82497 49475 57346 = = 117 30 000	MCW	(MPJ)
5065	M01b	28-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5065	M01b	28-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 30 000 //5805 kHz	CW	(AB)
5805	M01b	28-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5805	M01b	28-8	1940	Thu	936 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 30 000 //5065 kHz	CW	(AB)
5075	M01b	29-8	1902	Fri	336 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5465	M01b	29-8	1902	Fri	336 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5075	M01b	29-8	1905	Fri	467 117 30 = = 86183 82291 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000	CW	(MPJ)
4785	M01b	29-8	2010	Fri	467 117 30 = = 86183 82291 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000 //5465//5340 kHz	CW	(MPJ)
4895	M01b	29-8	2010	Fri	467 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)
5340	M01b	29-8	2010	Fri	467 117 30 = = 86183 82219 53101 ... 82497 49475 57346 = = 117 117 30 30 000	MCW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5340	M01b	29-8	2010	Fri	467 117 30 = = 86183 82291 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000 //5465//4785 kHz	CW	(MPJ)
5465	M01b	29-8	2010	Fri	467 117 30 = = 86183 82291 53101 86537 83420 ... 76014 77995 82497 49475 57346 = = 117 30 000 //5340//4785 kHz	CW	(MPJ)
6524	M03	2-8	1535	Sat	798/00	CW	(Danix)
7837	M03	3-8	1320	Sun	437/00	CW	(Danix)
7727	M03	4-8	1320	Mon	543/00	CW	(Danix)
7727	M03	4-8	1320	Mon	543/00	CW	(toto)
6524	M03	5-8	1535	Tue	798/00	CW	(Danix)
7837	M03	6-8	1115	Wed	655/32 = = 08711 11761 87269 ... 63578 89927 99330	CW	(Danix)
7837	M03	6-8	1115	Wed	655/32 = = 08711 11761 87269 ... 63578 89927 99330 = = 655/32 = = rpt msg, = = 000	CW	(AB)
7727	M03	6-8	1320	Wed	543/00	CW	(Danix)
7837	M03	7-8	1115	Thu	655/32 = = 08711 11761 87269 ... 63578 89927 99330	CW	(Danix)
7837	M03	7-8	1320	Thu	437/00	CW	(Danix)
6524	M03	9-8	1535	Sat	798/00	CW	(Danix)
7837	M03	10-8	1320	Sun	437/00	CW	(Danix)
7727	M03	11-8	1320	Mon	543/00	CW	(Danix)
6524	M03	12-8	1535	Tue	798/00	CW	(Danix)
7837	M03	13-8	1115	Wed	650/00	CW	(Danix)
7727	M03	13-8	1320	Wed	543/00	CW	(Danix)
7837	M03	14-8	1115	Thu	650/00	CW	(Danix)
7837	M03	14-8	1320	Thu	437/00	CW	(Danix)
7873	M03	14-8	1320	Thu	437/00	CW	(AB)
6524	M03	16-8	1535	Sat	798/00	CW	(Danix)
7837	M03	17-8	1320	Sun	437/00	CW	(Danix)
7727	M03	18-8	1320	Mon	544/33 = = 16788 58171 36554 ... 12014 19853 21172 = 000	CW	(AB/MPJ)
7727	M03	18-8	1320	Mon	544/33 = = 16788 58171 36554 ... 12014 19853 21172	CW	(Danix)
6524	M03	19-8	1535	Tue	797/31 = = 44386 39899 55756 ... 58167 58711 93239 10095 78022 = = 797/31 ... 000	CW	(MPJ)
6524	M03	19-8	1535	Tue	797/31 = = 44386 39899 55756 ... 93239 10095 78022	CW	(Danix)
7837	M03	20-8	1115	Wed	650/00	CW	(AB/MPJ)
7837	M03	20-8	1115	Wed	650/00	CW	(Danix)
7727	M03	20-8	1320	Wed	544/33 = = 16788 58171 36554 ... 12014 19853 21172	CW	(Danix)
7727	M03	20-8	1320	Wed	544/33 = = 16788 58171 36554 ... 12014 19853 21172 = 000	CW	(AB/MPJ)
7837	M03	21-8	1115	Thu	650/00	CW	(Danix)
7837	M03	21-8	1115	Thu	650/00	CW	(AB)
7837	M03	21-8	1320	Thu	437/00	CW	(MPJ)
7837	M03	21-8	1320	Thu	437/00	CW	(Danix)
6524	M03	23-8	1535	Sat	797/31 = = 44386 39899 55756 ... 93239 10095 78022	CW	(Danix)
6524	M03	23-8	1535	Sat	797/31 = = 44386 39899 55756 ... 93239 10095 78022 = = 000	CW	(AB/MPJ)
7837	M03	24-8	1320	Sun	437/00	CW	(Danix)
7837	M03	24-8	1320	Sun	VVV VVV 437/00 = = 000	CW	(AB)
15632	M03	24-8	1420	Sun	879/00	CW	(HFD)
7727	M03	25-8	1320	Mon	543/00	CW	(Danix)
7727	M03	25-8	1320	Mon	543/00 = = 000	CW	(AB/MPJ)
6524	M03	26-8	1535	Tue	798/00	CW	(MPJ)
6524	M03	26-8	1535	Tue	798/00	CW	(Danix)
7727	M03	27-8	1320	Wed	543/00 = = 000	CW	(AB/MPJ)
7727	M03	27-8	1320	Wed	543/00	CW	(Danix)
7837	M03	28-8	1320	Thu	431/33 431/33 = = 76515 76515 ... = = 000	CW	(PPA)
7837	M03	28-8	1320	Thu	431/33 = = 76515 62852 06100 58288 33226 ... 26132 17170 64061 28136 65699 = = (rpts) 000	CW	(MPJ)
7837	M03	28-8	1320	Thu	431/33 = = 76515 62852 06100 ... 64061 28136 65699	CW	(Danix)
6524	M03	30-8	1535	Sat	798/00	CW	(MPJ)
6524	M03	30-8	1535	Sat	798/00	CW	(Danix)
8096	M08a	6-8	1420	Wed	Cuban cut nbrs	CW	(DSch)
8096	M08a	7-8	1404	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	7-8	2014	Thu	Cuban cut nbrs WGWIN =	CW	(DSch)
8135	M08a	7-8	2316	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	8-8	2020	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	8-8	2305	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	10-8	2005	Sun	Cuban cut nbrs	CW	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8135	M08a	10-8	2302	Sun	Cuban cut nbrs Should be on 8009 kHz.	CW	(DSch)
7554	M08a	11-8	2004	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	12-8	1403	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	12-8	2029	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	12-8	2301	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	13-8	1403	Wed	Cuban cut nbrs	CW	(DSch)
7054	M08a	13-8	2004	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	13-8	2300	Wed	Cuban cut nbrs. NGNGN DNWNA UWTUN	CW	(DSch)
8096	M08a	14-8	1402	Thu	Cuban cut nbrs	CW	(DSch)
7554	M08a	14-8	2000	Thu	Cuban cut nbrs IDDDA GRRWN TGTTGN	CW	(DSch)
7554	M08a	15-8	2051	Fri	Tuned xmtr at 2024z. Nothing more heard	CW	(DSch)
8135	M08a	15-8	2300	Fri	Cuban cut nbrs: UNRRA WWTGN RGDNA	CW	(DSch)
8096	M08a	16-8	1404	Sat	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
7554	M08a	16-8	2016	Sat	Cuban cut nbrs	CW	(DSch)
8009	M08a	16-8	2309	Sat	Cuban cut nbrs. Should be on 8135 kHz	CW	(DSch)
8095.7	M08a	17-8	1400	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN. Off freq.	CW	(DSch)
8135	M08a	17-8	2309	Sun	Cuban cut nbrs. Should be on 8009 kHz	CW	(DSch)
8009	M08a	20-8	2311	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	21-8	2010	Thu	Cuban cut nbrs	CW	(DSch)
8135	M08a	22-8	2315	Fri	Cuban cut nbrs	CW	(DSch)
8009	M08a	25-8	2307	Mon	Cuban cut nbrs	CW	(DSch)
8135	M08a	26-8	2305	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	27-8	1403	Wed	Cubans cut nbrs	CW	(DSch)
8135	M08a	28-8	2303	Thu	Cuban cut nbrs	CW	(DSch)
8096	M08a	29-8	1416	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	29-8	2001	Fri	Cuban cut nbrs GGIDA TNNWN RIAGA	CW	(DSch)
7554	M08a	31-8	2000	Sun	Cuban cut nbrs: AGNRN NNWTA DWTNN	CW	(DSch)
8135	M08a	31-8	2305	Sun	Cuban cut nbrs	CW	(DSch)
14468	M12	2-8	1310	Sat	451 000	CW	(Danix)
14468	M12	2-8	1310	Sat	451 0	CW	(HFD)
13568	M12	2-8	1330	Sat	451 0	CW	(HFD)
13568	M12	2-8	1330	Sat	451 000	CW	(Danix)
13369	M12	2-8	2110	Sat	314 314 314 ...	CW	(SP1)
13369	M12	2-8	2110	Sat	314 000	CW	(Danix)
12179	M12	2-8	2130	Sat	314 314 314 ...	CW	(SP1)
12179	M12	2-8	2130	Sat	314 000	CW	(Danix)
11435	M12	4-8	1600	Mon	938 1	CW	(HFD)
10598	M12	4-8	1620	Mon	938 1	CW	(HFD)
9327	M12	4-8	1640	Mon	938 1	CW	(HFD)
6904	M12	4-8	1840	Mon	257 1 6130 5FGs	CW	(LG2)
9176	M12	4-8	1901	Mon	257 1 6130 5FGs	CW	(LG2)
10251	M12	6-8	0751	Wed	186 186 186 000	CW	(LG2)
8047	M12	6-8	1700	Wed	463 1 2526 49 23235 87253 99929 ... 44870 08612 90626 000 000	CW	(AB)
6802	M12	6-8	1720	Wed	463 1 2526 49 23235 87253 99929 ... 44870 08612 90626 000 000	CW	(AB)
5788	M12	6-8	1740	Wed	463 1 2526 49 23235 87253 99929 ... 44870 08612 90626 000 000	CW	(AB)
8123	M12	6-8	2100	Wed	198 000	CW	(Danix)
13369	M12	6-8	2110	Wed	314 000	CW	(Danix)
6923	M12	6-8	2120	Wed	198 000	CW	(Danix)
12179	M12	6-8	2130	Wed	314 000	CW	(Danix)
14468	M12	7-8	1310	Thu	451 000	CW	(Danix)
13568	M12	7-8	1330	Thu	451 000	CW	(Danix)
9167	M12	9-8	0500	Sat	125 000	CW	(Danix)
10267	M12	9-8	0520	Sat	125 000	CW	(Danix)
14468	M12	9-8	1310	Sat	451 000	CW	(Danix)
13568	M12	9-8	1330	Sat	451 451 451 000	CW	(AB)
13568	M12	9-8	1330	Sat	451 000	CW	(Danix)
13369	M12	9-8	2110	Sat	314 000	CW	(Danix)
12179	M12	9-8	2130	Sat	314 000	CW	(Danix)
5792	M12	11-8	0430	Mon	796 000	CW	(Danix)
6992	M12	11-8	0450	Mon	796 000	CW	(Danix)
11435	M12	11-8	1600	Mon	938 1 9468 100 10672 38444 47546 ... 85569 05071 93793 000 000	CW	(Danix)
10598	M12	11-8	1620	Mon	938 1 9468 100 10672 38444 47546 ... 85569 05071 93793 000 000	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9327	M12	11-8	1640	Mon	938 1 9468 100 10672 38444 47546 ... 85569 05071 93793 000 000	CW	(Danix)
8047	M12	11-8	1700	Mon	463 1 8812 143 29968 86551 64109 ... 17876 42837 21034 000 000	CW	(Danix)
6802	M12	11-8	1720	Mon	463 1 8812 143 29968 86551 64109 ... 17876 42837 21034 000 000	CW	(Danix)
5788	M12	11-8	1740	Mon	463 1 8812 143 29968 86551 64109 ... 17876 42837 21034 000 000	CW	(Danix)
9176	M12	11-8	1800	Mon	257 1 6605 54 66140 99229 04119 ... 49595 99086 66643 000 000	CW	(Danix)
9176	M12	11-8	1800	Mon	257 1	CW	(HFD)
7931	M12	11-8	1820	Mon	257 1 6605 54 66140 99229 04119 ... 49595 99086 66643 000 000	CW	(Danix)
7931	M12	11-8	1820	Mon	257 1	USB	(HFD)
6904	M12	11-8	1840	Mon	257 1	CW	(HFD)
6904	M12	11-8	1840	Mon	257 1 6605 54 66140 99229 04119 ... 49595 99086 66643 000 000	CW	(Danix)
9176	M12	11-8	1900	Mon	257 1 2451 109 94421 75495 90705 ... 33730 21728 28741 000 000	CW	(Danix)
7931	M12	11-8	1920	Mon	257 1 2451 109 94421 75495 90705 ... 33730 21728 28741 000 000	CW	(Danix)
6904	M12	11-8	1940	Mon	257 1 2451 109 94421 75495 90705 ... 33730 21728 28741 000 000	CW	(Danix)
10343	M12	12-8	1830	Tue	124 1 5910 51 42193 33917 04729 ... 06685 01539 79523 000 000	CW	(Danix)
9264	M12	12-8	1850	Tue	124 1 5910 51 42193 33917 04729 ... 06685 01539 79523 000 000	CW	(Danix)
8116	M12	12-8	1910	Tue	124 1 5910 51 42193 33917 04729 ... 06685 01539 79523 000 000	CW	(Danix)
8047	M12	13-8	1700	Wed	463 1 7704 78, too much QSB to copy	CW	(Danix)
6802	M12	13-8	1720	Wed	463 1 7704 78, too much QSB to copy	CW	(Danix)
5788	M12	13-8	1740	Wed	463 1 7704 78, too much QSB to copy	CW	(Danix)
11435	M12	13-8	1830	Wed	938 1 3851 53 21224 98077 56214 ... 10591 99329 52399 000 000	CW	(Danix)
10598	M12	13-8	1850	Wed	938 1 3851 53 21224 98077 56214 ... 10591 99329 52399 000 000	CW	(Danix)
9327	M12	13-8	1910	Wed	938 1 3851 53 21224 98077 56214 ... 10591 99329 52399 000 000	CW	(Danix)
8123	M12	13-8	2100	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
8123	M12	13-8	2100	Wed	198 1	CW	(HFD)
8123	M12	13-8	2100	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
13369	M12	13-8	2110	Wed	314 0	CW	(HFD)
13369	M12	13-8	2110	Wed	314 000, restarted 1 minute into TX	CW	(Danix)
6923	M12	13-8	2120	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000 The transmission stopped and voice operator chat followed	CW	(Danix)
6923	M12	13-8	2120	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
6923	M12	13-8	2120	Wed	198 1	CW	(HFD)
12179	M12	13-8	2130	Wed	314 0	CW	(HFD)
12179	M12	13-8	2130	Wed	314 000	CW	(Danix)
5823	M12	13-8	2140	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
5823	M12	13-8	2140	Wed	198 1	CW	(HFD)
5823	M12	13-8	2140	Wed	198 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
13568	M12	14-8	1310	Thu	451 451 451 000	CW	(AB)
14468	M12	14-8	1310	Thu	451 451 451 000	CW	(AB)
14468	M12	14-8	1310	Thu	451 000	CW	(Danix)
13568	M12	14-8	1330	Thu	451 000	CW	(Danix)
13386	M12	14-8	1600	Thu	725 1 2717 107 69736 11126 43972 ... 54521 52569 64712 000 000	CW	(Danix)
12189	M12	14-8	1620	Thu	725 1 2717 107 69736 11126 43972 ... 54521 52569 64712 000 000	CW	(Danix)
11491	M12	14-8	1640	Thu	725 1 2717 107 69736 11126 43972 ... 54521 52569 64712 000 000	CW	(Danix)
9176	M12	14-8	1700	Thu	257 1 8672 63 00918 40168 58329 ... 16527 03503 05582 000 000	CW	(Danix)
10343	M12	14-8	1700	Thu	124 6457 154 04497 ...	CW	(LG2)
10343	M12	14-8	1700	Thu	124 1 6457 154 81792 04497 05300 ... 56913 23997 39620 000 000	CW	(Danix)
7931	M12	14-8	1720	Thu	257 1 8672 63 00918 40168 58329 ... 16527 03503 05582 000 000	CW	(Danix)
9264	M12	14-8	1720	Thu	124 1 6457 154 81792 04497 05300 ... 56913 23997 39620 000 000	CW	(Danix)
9264	M12	14-8	1728	Thu	i.p.	CW	(LG2)
6904	M12	14-8	1740	Thu	257 1 8672 63 00918 40168 58329 ... 16527 03503 05582 000 000	CW	(Danix)
8116	M12	14-8	1740	Thu	124 1 6457 154 81792 04497 05300 ... 56913 23997 39620 000 000	CW	(Danix)
10343	M12	14-8	1800	Thu	124 1 6475 102 53638 84031 28512 ... 70166 73016 40101 32299 000 000	CW	(Danix)
10343	M12	14-8	1803	Thu	124 1 6475 102 53638 84031 28512 ... 73016 40101 32299 000 000	CW	(LG2)
9264	M12	14-8	1820	Thu	124 1 6475 102 53638 84031 28512 ... 70166 73016 40101 32299 000 000	CW	(Danix)
8116	M12	14-8	1840	Thu	124 1 6475 102 53638 84031 28512 ... 70166 73016 40101 32299 000 000	CW	(Danix)
9176	M12	14-8	1900	Thu	257 1 9960 46 81766 24837 75154 ... 92324 01014 38507 000 000	CW	(Danix)
9176	M12	14-8	1907	Thu	i.p.	CW	(LG2)
7931	M12	14-8	1920	Thu	257 1 9960 46 81766 24837 75154 ... 92324 01014 38507 000 000	CW	(Danix)
6904	M12	14-8	1940	Thu	257 1 9960 46 81766 24837 75154 ... 92324 01014 38507 000 000	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9167	M12	16-8	0500	Sat	125 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
10267	M12	16-8	0520	Sat	125 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
11567	M12	16-8	0540	Sat	125 1 9864 107 94500 61636 04303 ... 52041 08513 42028 000 000	CW	(Danix)
14468	M12	16-8	1310	Sat	451 000	CW	(Danix)
13568	M12	16-8	1330	Sat	451 000	CW	(Danix)
13369	M12	16-8	2110	Sat	314 000	CW	(Danix)
12179	M12	16-8	2130	Sat	314 000	CW	(Danix)
11435	M12	18-8	1600	Mon	938 193 3246 113 64117 88170 46905 ... 65011 46573 68568 000 000	CW	(AB/MPJ)
11435	M12	18-8	1600	Mon	938 1 3246 113 64117 88170 46905 ... 65041 46573 68568 000 000	CW	(Danix)
10598	M12	18-8	1620	Mon	938 1 3246 113 64117 88170 46905 ... 65041 46573 68568 000 000	CW	(Danix)
10598	M12	18-8	1620	Mon	938 193 3246 113 64117 88170 46905 ... 65011 46573 68568 000 000	CW	(AB)
9327	M12	18-8	1640	Mon	938 1 3246 113 64117 88170 46905 ... 65041 46573 68568 000 000	CW	(Danix)
8047	M12	18-8	1700	Mon	463 1 1600 149 79487 82028 45868 ... 10879 31839 20382 000 000	CW	(Danix)
8047	M12	18-8	1700	Mon	463 1 1600 149 79487 82028 45868 ... 10879 31839 20382 000 000	CW	(AB/MPJ)
6802	M12	18-8	1720	Mon	463 1 1600 149 79487 82028 45868 ... 10879 31839 20382 000 000	CW	(Danix)
6802	M12	18-8	1720	Mon	463 1 1600 149 79487 82028 45868 ... 10879 31839 20382 000 000	CW	(AB)
6802	M12	18-8	1720	Mon	463 463 463 1 5FG msg ends TTT TTT	CW	(PPA)
5788	M12	18-8	1740	Mon	463 1 1600 149 79487 82028 45868 ... 10879 31839 20382 000 000	CW	(Danix)
9176	M12	18-8	1800	Mon	257 1 9115 45 41857 39371 63872 06115 64740 ... 87982 45222 69529 32390 54283 000 000	CW	(MPJ)
9176	M12	18-8	1800	Mon	257 1 9115 45 41857 39371 63872 ... 69529 32390 54283 000 000	CW	(Danix)
7931	M12	18-8	1820	Mon	257 1 9115 45 41857 39371 63872 ... 69529 32390 54283 000 000	CW	(Danix)
6904	M12	18-8	1840	Mon	257 1 9115 45 41857 39371 63872 ... 69529 32390 54283 000 000	CW	(Danix)
9176	M12	18-8	1900	Mon	257 1 2804 107 04894 44650 92793 ... 67802 22933 18210 000 000	CW	(Danix)
7931	M12	18-8	1920	Mon	257 1 2804 107 04894 44650 92793 84279 48239 ... 71925 20516 67802 22933 18210 000 000	CW	(MPJ)
7931	M12	18-8	1920	Mon	257 1 2804 107 04894 44650 92793 ... 67802 22933 18210 000 000	CW	(Danix)
6904	M12	18-8	1940	Mon	257 1 2804 107 04894 44650 92793 ... 67802 22933 18210 000 000	CW	(Danix)
10343	M12	19-8	1830	Tue	124 1 3343 65 15548 57514 45862 94501 91939 ... 87984 47171 11972 97078 23742 000 000	CW	(MPJ)
10343	M12	19-8	1830	Tue	124 1 3343 65 15548 57514 45862 ... 11972 97078 23742 000 000	CW	(Danix)
9264	M12	19-8	1850	Tue	124 1 3343 65 15548 57514 45862 ... 11972 97078 23742 000 000	CW	(Danix)
8116	M12	19-8	1910	Tue	124 1 3343 65 15548 57514 45862 ... 11972 97078 23742 000 000	CW	(Danix)
8047	M12	20-8	1700	Wed	463 1 6905 69 57904 80083 98984 ... 34628 32195 51818 000 000	CW	(Danix)
8047	M12	20-8	1700	Wed	463 1 6905 69 57904 70083 98984 ... 34628 32195 51818 000 000	CW	(AB)
6802	M12	20-8	1720	Wed	463 1 6905 69 57904 70083 98984 ... 34628 32195 51818 000 000	CW	(AB)
6802	M12	20-8	1720	Wed	463 1 6905 69 57904 80083 98984 ... 34628 32195 51818 000 000	CW	(Danix)
5788	M12	20-8	1740	Wed	463 1 6905 69 57904 70083 98984 ... 34628 32195 51818 000 000	CW	(AB/MPJ)
5788	M12	20-8	1740	Wed	463 1 6905 69 57904 80083 98984 ... 34628 32195 51818 000 000	CW	(Danix)
11435	M12	20-8	1830	Wed	938 1 3219 67 79555 86918 94462 ... 90800 18204 87076 000 000	CW	(Danix)
10598	M12	20-8	1850	Wed	938 1 3219 67 79555 86918 94462 ... 90800 18204 87076 000 000	CW	(Danix)
9327	M12	20-8	1910	Wed	938 1 3219 67 79555 86918 94462 ... 90800 18204 87076 000 000	CW	(Danix)
8123	M12	20-8	2100	Wed	198 000	CW	(Danix)
13369	M12	20-8	2110	Wed	314 1 400 135 94189 50577 54627 ... 57890 40082 09570 000 000	CW	(Danix)
6923	M12	20-8	2120	Wed	198 000	CW	(Danix)
12179	M12	20-8	2130	Wed	314 1 400 135 94189 50577 54627 ... 57890 40082 09570 000 000	CW	(Danix)
10469	M12	20-8	2150	Wed	314 1 400 135 94189 50577 54627 ... 57890 40082 09570 000 000	CW	(Danix)
7484	M12	21-8	0630	Thu	402 000	CW	(Danix)
8084	M12	21-8	0650	Thu	402 000	CW	(Danix)
14468	M12	21-8	1310	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(AB)
14468	M12	21-8	1310	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(Danix)
13568	M12	21-8	1330	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(Danix)
13568	M12	21-8	1330	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(AB)
12178	M12	21-8	1350	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(Danix)
12178	M12	21-8	1350	Thu	451 1 1883 167 17437 08667 35302 ... 85140 68472 58891 000 000	CW	(AB)
13386	M12	21-8	1600	Thu	725 1 6474 100 84746 59732 10808 ... 84039 47080 75924 000 000	CW	(Danix)
12189	M12	21-8	1620	Thu	725 1 6474 100 84746 59732 10808 ... 84039 47080 75924 000 000	CW	(Danix)
12198	M12	21-8	1620	Thu	725 1 6474 100 84746 59732 10808 ... 84039 47080 75924 000 000	CW	(AB)
11491	M12	21-8	1640	Thu	725 1 6474 100 84746 59732 10808 ... 84039 47080 75924 000 000	CW	(AB)
11491	M12	21-8	1640	Thu	725 1 6474 100 84746 59732 10808 ... 84039 47080 75924 000 000	CW	(Danix)
9176	M12	21-8	1700	Thu	257 1 5418 84 65051 02185 08195 ... 79911 17114 49011 000 000	CW	(Danix)
9176	M12	21-8	1700	Thu	257 1 5418 84 65051 02185 08195 ... 79911 17114 49011 000 000	CW	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
10343	M12	21-8	1700	Thu	124 1 1940 153 64613 85570 14003 … 35207 39258 78996 000 000	CW	(Danix)
7931	M12	21-8	1720	Thu	257 1 5418 84 65051 02185 08195 … 79911 17114 49011 000 000	CW	(AB)
7931	M12	21-8	1720	Thu	257 1 5418 84 65051 02185 08195 … 79911 17114 49011 000 000	CW	(Danix)
9264	M12	21-8	1720	Thu	124 1 1940 153 64613 85570 14003 … 35207 39258 78996 000 000	CW	(Danix)
6904	M12	21-8	1740	Thu	257 1 5418 84 65051 02185 08195 … 79911 17114 49011 000 000	CW	(Danix)
6904	M12	21-8	1740	Thu	257 1 5418 84 65051 02185 08195 … 79911 17114 49011 000 000	CW	(AB)
8116	M12	21-8	1740	Thu	124 1 1940 153 64613 85570 14003 … 35207 39258 78996 000 000	CW	(Danix)
10343	M12	21-8	1800	Thu	124 1 7653 114 23033 71086 53504 … 64841 45650 23648 000 000	CW	(Danix)
9264	M12	21-8	1820	Thu	124 1 7653 114 23033 71086 53504 … 64841 45650 23648 000 000	CW	(Danix)
8116	M12	21-8	1840	Thu	124 1 7653 114 23033 71086 53504 … 64841 45650 23648 000 000	CW	(Danix)
9176	M12	21-8	1900	Thu	257 1 5268 68 29074 52682 97441 … 13096 73358 96763 000 000	CW	(Danix)
9176	M12	21-8	1900	Thu	257 1 5268 68 29074 52682 97441 06217 20227 … 84502 86090 13096 73358 96763 000 000	CW	(MPJ)
7931	M12	21-8	1920	Thu	257 1 5268 68 29074 52682 97441 … 13096 73358 96763 000 000	CW	(Danix)
7931	M12	21-8	1920	Thu	257 1 5268 68 29074 52682 97441 06217 20227 … 84502 86090 13096 73358 96763 000 000	CW	(MPJ)
6904	M12	21-8	1940	Thu	257 1 5268 68 29074 52682 97441 … 13096 73358 96763 000 000	CW	(Danix)
6904	M12	21-8	1940	Thu	257 1 5268 68 29074 52682 97441 06217 20227 … 84502 86090 13096 73358 96763 000 000	CW	(MPJ)
9167	M12	23-8	0500	Sat	125 000	CW	(Danix)
10267	M12	23-8	0520	Sat	125 000	CW	(Danix)
14468	M12	23-8	1310	Sat	451 1 1883 167 17437 08667 35302 21161 62714 53093 … 55361 84402 85140 68472 58891 000 000	CW	(MPJ)
14468	M12	23-8	1310	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(Danix)
14468	M12	23-8	1310	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(AB)
13568	M12	23-8	1330	Sat	451 1 1883 167 17437 08667 35302 21161 62714 53093 … 55361 84402 85140 68472 58891 000 000	CW	(MPJ)
13568	M12	23-8	1330	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(AB)
13568	M12	23-8	1330	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(Danix)
12178	M12	23-8	1350	Sat	451 1 1883 167 17437 08667 35302 21161 62714 53093 … 55361 84402 85140 68472 58891 000 000	CW	(MPJ)
12178	M12	23-8	1350	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(Danix)
12178	M12	23-8	1350	Sat	451 1 1883 167 17437 08667 35302 … 85140 68472 58891 000 000	CW	(AB)
13369	M12	23-8	2110	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(AB)
13369	M12	23-8	2110	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(Danix)
12179	M12	23-8	2130	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(AB)
12179	M12	23-8	2130	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(Danix)
10469	M12	23-8	2150	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(AB)
10469	M12	23-8	2150	Sat	314 1 400 135 94189 50577 54627 … 57890 40082 09570 000 000	CW	(Danix)
5792	M12	25-8	0430	Mon	796 000	CW	(Danix)
6992	M12	25-8	0450	Mon	796 000	CW	(Danix)
11435	M12	25-8	1600	Mon	938 1 7861 108 69496 58311 61064 … 07059 07215 94276 000 000	CW	(Danix)
10598	M12	25-8	1620	Mon	938 1 7861 108 69496 58311 61064 … 07059 07215 94276 000 000	CW	(Danix)
9327	M12	25-8	1640	Mon	938 1 7861 108 69496 58311 61064 … 07059 07215 94276 000 000	CW	(Danix)
8047	M12	25-8	1700	Mon	463 1 7020 146 86796 18489 94904 … 68396 71824 23665 000 000	CW	(Danix)
8047	M12	25-8	1700	Mon	463 1 7020 146 86796 18489 94904 14655 32001 … 58575 97742 68396 71824 23665 000 000	CW	(MPJ)
6802	M12	25-8	1720	Mon	463 1 7020 146 86796 18489 94904 … 68396 71824 23665 000 000	CW	(Danix)
5788	M12	25-8	1740	Mon	463 1 7020 146 86796 18489 94904 14655 32001 … 58575 97742 68396 71824 23665 000 000	CW	(MPJ)
5788	M12	25-8	1740	Mon	463 1 7020 146 86796 18489 94904 … 68396 71824 23665 000 000	CW	(Danix)
9176	M12	25-8	1800	Mon	257 1 3759 48 19172 82980 22247 … 25992 35616 39003 000 000	CW	(Danix)
9176	M12	25-8	1800	Mon	257 1 3759 48 10182 82980 22247 94991 28181 … 21128 18405 25992 35616 39003 000 000	CW	(MPJ)
7931	M12	25-8	1820	Mon	257 1 3759 48 19172 82980 22247 … 25992 35616 39003 000 000	CW	(Danix)
6904	M12	25-8	1840	Mon	257 1 3759 48 19172 82980 22247 … 25992 35616 39003 000 000	CW	(Danix)
9176	M12	25-8	1900	Mon	257 1 6908 107 42869 87449 65179 … 13015 47414 10278 000 000	CW	(Danix)
7931	M12	25-8	1920	Mon	257 1 6908 107 42869 87449 65179 66182 29557 … 51879 72144 13015 47414 10278 000 000	CW	(MPJ)
7931	M12	25-8	1920	Mon	257 1 6908 107 42869 87449 65179 … 13015 47414 10278 000 000	CW	(Danix)
6904	M12	25-8	1940	Mon	257 1 6908 107 42869 87449 65179 66182 29557 … 51879 72144 13015 47414 10278 000 000	CW	(MPJ)
6904	M12	25-8	1940	Mon	257 1 6908 107 42869 87449 65179 … 13015 47414 10278 000 000	CW	(Danix)
10343	M12	26-8	1830	Tue	124 1 3303 57 29502 19738 52586 … 91981 94800 66608 000 000	CW	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
10343	M12	26-8	1830	Tue	124 1 3303 57 29502 19738 52586 31955 74618 ... 32201 36608 91981 94800 66608 000 000	CW	(MPJ)
9264	M12	26-8	1850	Tue	124 1 3303 57 29502 19738 52586 31955 74618 ... 32201 36608 91981 94800 66608 000 000	CW	(MPJ)
9264	M12	26-8	1850	Tue	124 1 3303 57 29502 19738 52586 ... 91981 94800 66608 000 000	CW	(Danix)
8116	M12	26-8	1910	Tue	124 1 3303 57 29502 19738 52586 ... 91981 94800 66608 000 000	CW	(Danix)
11435	M12	27-8	1830	Wed	938 1 7048 61 96450 03674 33966 ... 57138 47345 69457 000 000	CW	(Danix)
10598	M12	27-8	1850	Wed	938 1 7048 61 96450 03674 33966 ... 57138 47345 69457 000 000	CW	(Danix)
9327	M12	27-8	1910	Wed	938 1 7048 61 96450 03674 33966 ... 57138 47345 69457 000 000	CW	(Danix)
8123	M12	27-8	2100	Wed	198 000	CW	(Danix)
13369	M12	27-8	2110	Wed	314 000	CW	(Danix)
6923	M12	27-8	2120	Wed	198 000	CW	(Danix)
12179	M12	27-8	2130	Wed	314 000	CW	(Danix)
7484	M12	28-8	0630	Thu	402 000	CW	(Danix)
7484	M12	28-8	0630	Thu	402 0	CW	(HFD)
8084	M12	28-8	0650	Thu	402 000	CW	(Danix)
8084	M12	28-8	0650	Thu	402 0	CW	(HFD)
14468	M12	28-8	1310	Thu	451 451 451 000	CW	(MPJ)
13568	M12	28-8	1330	Thu	451 451 451 000	CW	(MPJ)
10343	M12	28-8	1700	Thu	124 1	CW	(HFD)
7931	M12	28-8	1720	Thu	257 257 257 1 9377 89 9377 89 81257 ... 000 000	CW	(PPA)
9264	M12	28-8	1720	Thu	124 1	CW	(HFD)
8116	M12	28-8	1740	Thu	124 1	CW	(HFD)
9167	M12	30-8	0500	Sat	125 000	CW	(Danix)
10267	M12	30-8	0520	Sat	125 000	CW	(Danix)
14468	M12	30-8	1310	Sat	451 451 451 000	CW	(MPJ)
14468	M12	30-8	1310	Sat	451 000	CW	(Danix)
13568	M12	30-8	1330	Sat	451 451 451 000	CW	(MPJ)
13568	M12	30-8	1330	Sat	451 000	CW	(Danix)
5788	M12	30-8	1740	Sat	463 463 463 1 => 5F message	CW	(PPA)
13369	M12	30-8	2110	Sat	314 000	CW	(Danix)
12179	M12	30-8	2130	Sat	314 000	CW	(Danix)
7485	M14	1-8	1700	Fri	382 00000	MCW	(Danix)
6856	M14	12-8	1820	Tue	163 254 020 44108 38962 04169 à 28305 68131 82828 00000 (no DK and GC given)	MCW	(Danix)
5938	M14	13-8	1920	Wed	M14 - 12 August 2014 - Tue - 18:20 - 6856 MCW 163 254 020 44108 38962 04169 ... 28305 68131 82828 00000	MCW	(Danix)
6891	M14	15-8	1800	Fri	382 00000	MCW	(Danix)
5221.5	M21	5-8	2155	Tue	Russian Air Defence =990155?0???????	CW	(AAI)
5221.5	M21	8-8	2151	Fri	PVO 16251252924148 = 990149??0?????	CW	(Faux)
6421.5	M21	16-8	1717	Sat	Russian Air Defense =992117???8????	CW	(Faux)
4904	M21	16-8	2018	Sat	Russian Air Defense =990014??8????	CW	(Mar)
6911.5	M21	17-8	2116	Sun	Russian Air Defence. =990115??8?????	CW	(PPA)
5221.5	M21	17-8	2128	Sun	Russian Air Defence messages	CW	(Brit)
5221.5	M21	20-8	1732	Wed	=992137??0?????	CW	(AB)
4904	M21	21-8	1953	Thu	Russian Air Defense =992354??8?????	CW	(AB)
5221.5	M21	24-8	2115	Sun	Russian Air Defence =13050082613314 =990115??0?????	CW	(Faux)
4969	M21	24-8	2117	Sun	Russian Air Defense =990116??8?????	CW	(Faux)
8458	M21	29-8	1244	Fri	Russian Air Defense =99?1644?9?????	CW	(MF2)
13892	M22	1-8	0730	Fri	4XZ 5L message after = = nr 006 od v nd7g 616171 bi8d gr 81 == bdbdb	CW	(PPA)
11152	M22	1-8	1824	Fri	AR AR DE 4XZ 4XZ = = UR N ACT7 = R QF V UJ5Q 2T1UJ22 ....)	CW	(LG2)
4331	M22	1-8	2049	Fri	4XZ IDF Haifa	CW	(LG2)
5561	M22	3-8	2135	Sun	VVV VVV DE 4XZ 4XZ	CW	(LG2)
12984	M22	4-8	0200	Mon	4XZ	CW	(07c)
11153	M22	4-8	0538	Mon	4XZ PE2N NR 335 QTGR 75 ==	CW	(PPA)
11153	M22	5-8	0634	Tue	VVV DE 4XZ 4XZ = = 5L msgs	CW	(PPA)
4968	M22	5-8	2134	Tue	VVV de 4XZ + 5LGs	CW	(Faux)
5562	M22	5-8	2210	Tue	VVV de 4XZ + 5LGs	CW	(Faux)
12985	M22	6-8	1403	Wed	i.p. bd6z nr 611 bk gr13 = = nf5q nr 511 nen td ga 12 = = pr2l nr 111 ckn nr 03 = = vvv de 4xz 4xz = =	CW	(AB)
4967	M22	6-8	2035	Wed	5LGs end = = VVV VVV DE 4XZ	CW	(LG2)
6607	M22	6-8	2120	Wed	DE 4XZ 4XZ = TI AR NW QTC NR 11 TU = NR 9IT W T Z I V KI 5E 5O 2260 ...	CW	(LG2)
14847	M22	8-8	1327	Fri	VVV de 4XZ" and 5LGs	CW	(Faux)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14847	M22	8-8	1345	Fri	VVV DE 4XZ 4XZ = =	CW	(AAI)
14847	M22	10-8	0938	Sun	4XZ: Israeli navy Haifa VVV DE 4XZ 4XZ = = encrypted msgs	CW	(SP1)
4331	M22	11-8	2013	Mon	VVV DE 4XZ 4XZ	CW	(AB)
12983	M22	12-8	0305	Tue	4XZ i.p.	CW	(DM0551)
12984	M22	13-8	2127	Wed	4XZ IDF Haifa ISR	CW	(LG2)
14847	M22	14-8	1258	Thu	VVV DE 4XZ 4XZ = =	CW	(AB)
12984	M22	19-8	1640	Tue	VVV DE 4XZ 4XZ = = AR AR NW QTC 1 NR 815 = = NR 815 TP V GI0K 517191 DW1P GR 02 = = DPDPD KDELX NKTIL UAUXT ...	CW	(AB)
6607	M22	19-8	2020	Tue	4XZ: Israeli Navy, Haifa, 5fg msg	CW	(MSM)
13892	M22	20-8	1645	Wed	msg i.p. yclrz ilemm nbkfi == nr 25stt cs v by3o 419102 tf0y gr 03 == ar ar vvv de 4xz 4xz = =	CW	(AB)
12984	M22	21-8	1739	Thu	4XZ: ISR Haifa Naval VVV DE 4XZ	CW	(VL)
4331	M22	21-8	2045	Thu	VVV DE 4XZ 4XZ = = //6607 kHz	CW	(AB)
6607	M22	21-8	2045	Thu	VVV DE 4XZ 4XZ = = //4331 kHz	CW	(AB)
14847	M22	27-8	0735	Wed	4XZ i.p.	CW	(EW)
14867	M22	29-8	0850	Fri	VVV DE 4XZ	CW	(VL)
13479	M32	4-8	1238	Mon	XXX XXX 1QRF 1QRF 06867 PEREWODNYJ 9602 9107	CW	(JU)
12832	M32	4-8	1246	Mon	XXX XXX WEGI WEGI 86090 52371 PEREWODNYJ 9602 9107	CW	(JU)
13479	M32	4-8	1246	Mon	XXX XXX 1QRF 1QRF 30590 PERWOAeQER 3464 1018	CW	(JU)
12832	M32	4-8	1255	Mon	XXX XXX RGT77 RGT77 56422 46470 WERBOCWET 7175 9432	CW	(JU)
12832	M32	4-8	1259	Mon	XXX XXX WEGI WEGI 31592 18703 PERWOAeQER 3464 1017	CW	(JU)
13479	M32	5-8	0657	Tue	XXX XXX 1QRF 1QRF 41406 GRANATA 5606 8487	CW	(JU)
13479	M32	5-8	0732	Tue	XXX XXX JUE4 JUE4 MJUR MJUR 62... ... = DDDDD (too weak to copy correctly). Tfc ends at 0730z	CW	(JU)
13479	M32	5-8	0750	Tue	XXX XXX 1QRF 1QRF 81150 TRAKTIR 6392 5155	CW	(JU)
13479	M32	5-8	0757	Tue	XXX XXX MSK7 MSK7 49917 SOLECIZM 8349 5023	CW	(JU)
13479	M32	5-8	0850	Tue	XXX XXX 55735 AREWA 5959 8261 OTREOeNNYJ 3437 5034	CW	(JU)
14552	M32	11-8	1143	Mon	XXX XXX G5CX G5CX F2ET F2ET 38207 06079 XARNEWA 2048 3348 K	CW	(AB)
10164	M32	11-8	1146	Mon	XXX XXX RGT77 RGT77 93184 60297 TURNE 7115 4780 K 1146	CW	(Danix)
6753	M32	11-8	1917	Mon	VVV RFFP RFFP de RFFN RFFN QSA?	CW	(Faux)
10653	M32	12-8	2323	Tue	Russian Mil. 8SLR 8SLR QSA3 K	CW	(JPL-Sib)
18.1	M32	13-8	1845	Wed	Russian Mil Bcast then CW RDL x3 25131 81209 25131 81209 25131 81209 K. Unlisted freq. //8447 kHz	Bee 50/500 + CW	(MPJ)
8447	M32	13-8	1845	Wed	Russian Mil Bcast then CW RDL x3 25131 81209 25131 81209 25131 81209 K. Unlisted freq. //18.1 kHz	Bee 50/500 + CW	(MPJ)
4419	M32	17-8	2106	Sun	Russian Mil. N2KG clg MCY8, KGQH, 8LLP, W6AU, FG3W and F3PA. Also sending 5LG's	CW	(Faux)
10183	M32	18-8	1537	Mon	IK7R (x3) DE M8TK (x2) K. BK QSA2 QSY 38701 QSY 38701 K	CW	(JPL-FNL)
6846	M32	18-8	1720	Mon	6FYN DE LGNU QTC 199 15 18 2048 199 = 890 =	CW	(PPA)
3592	M32	18-8	2052	Mon	i.p. ... 40863 32020 82758 19023 363 = LDBO LDBO LDBO QTC 521 26 19 0050 521 = 042 = 07934 ...	CW	(JPL-FNL)
4128	M32	18-8	2058	Mon	i.p. XJIB DE LPXA QSA? K. XJIB QSA4 K. QSA4 R K	CW	(JPL-FNL)
9124.5	M32	19-8	1217	Tue	Strategic/Ground Forces. = 76314 23894 26047 42098 70638 27418 75293 2?746 19025 675	CW	(Topol)
18.1	M32	20-8	1636	Wed	RDL 11111 96401 00397 30736 30730 ... 66836 19962 20962 65329 20110 K	CW	(MPJ)
6810	M32	22-8	0512	Fri	JDD6: Russian military. Radio checks with 8S3N, 2GNW	CW	(PPA)
18.1	M32	22-8	1533	Fri	RDL: Russian Mil Strategic Bcast. 117-gr message: RDL 11111 18537 ... 64631 22117 K. followed immediately by another.	CW	(MPJ)
5293	M32	30-8	1527	Sat	4XPT DE QSZY K	CW	(JPL-FNL)
10543	M32a	7-8	0713	Thu	xxx xxx rjv rjv 00461 29069 dialektat 0806 7488 k	CW	(WP3)
14556	M32a	9-8	1648	Sat	RIW OK QYT4 SK K	CW	(AB)
14556	M32a	11-8	1357	Mon	i.p. 12044/11992 QSX 12414/12374 FM RAA K	CW	(AB)
11000	M32a	11-8	1434	Mon	RFK93 DE RIW K. RIW QYT4 SK K. RFK93 DE RIW K. RIW QYT4 SK. FM RAA K. RIW QTC K. RIW 235 43 11 0 946 235 = FM RAA = 36656 69384 26957 29743 90476 79732	CW	(AB)
14556	M32a	13-8	1039	Wed	Russian Navy i.p. 12350 83254 20 ii ii 12350 83245 22009 54839 76031 7 5 246 00000 29853 34924 61333 76060 19773 42244 14983 14753 = RPT AR RIW K	CW	(AB)
14553	M32a	13-8	1230	Wed	Russian Navy i.p. ..785 DD 136 = DDDDD UMRDI WQJNF EXGMB ZOTLO EXGMB ZOTLO EXGMB ZOTLO JJQDY MOIUS ... GWJXH CTWÌH ƒEPUY = K	CW	(AB)
14552	M32a	18-8	1102	Mon	i.p. (Cyrillic characters ... ZhNONTs ZhI YaIPS T TTN = K	CW	(AB)
6458	M32a	18-8	2108	Mon	Russian Navy, Radioprognoz i.p. ... 00005 00612 50014 00006 00612 50015 00102 00612 40011 AR T	CW	(JPL-FNL)
6832	M32a	19-8	0620	Tue	RMP: Navy Kaliningrad. RMP85 RMS25 DE RMP QSU1 QSX 4763 QWH	CW	(PPA)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
					4042 AR		
14556	M32a	20-8	1125	Wed	RIW i.p. ..772 24871 05969 12182 75695 05579 66334 38538 68074 31901 20046 = RPT AL AR RIW K	CW	(AB)
12692	M32a	23-8	0711	Sat	RAA DE RMP OK	CW	(brit)
14540	M32a	24-8	0714	Sun	Russian Navy i.p. RJD52 DE RAA ZZD3 K. RJD52 DE RAA ZKM? K. RJD52 RJD52 DE RAA ZKM K.	CW	(AB)
11000	M32a	24-8	0730	Sun	Russian Navy i.p. 16942 QSX 12374/16603 FM RAA K. VVV RHY47 RHY47 RHY47 DE RIW RIW QSA? K	CW	(AB)
6989	M32b	17-8	2108	Sun	Russia Naval Air clg RAL clg RBL66. RHQ2 radio check with RAL2	CW	(PPA)
8895	M32c	5-8	0320	Tue	W-marker	CW	(07c)
8895	M32c	8-8	1213	Fri	Russian Air Force NCS Tu-95 Bear H net 1213 CW DE IZ2J K	CW	(Tom)
9128	M32c	19-8	1028	Tue	Bear Net (Air freq) RPT = 728 069 046 149 929 380 232 561 218 K (see N&O 203)	CW	(Topol)
8895	M32c	19-8	1600	Tue	W-markers and G-markers	CW	(Tom)
8895	M32c	19-8	1615	Tue	Bear Net (Ground frq) KFE4 = 558 655 110 938 174 201 (see N&O 203)	CW	(Topol)
8895	M32c	20-8	2100	Wed	W-markers; Russian Air Force Tu-95 Bear H net	CW	(Tom)
8895	M32c	22-8	0640	Fri	W-markers. Russian Air Force Tu-95 Bear H net	CW	(Tom)
6773	M42	1-8	0327	Fri	Russian Gov. PRBO clg 7ZGR in CW. QSA check: QSY 99686 ZZC ZVP SLV and into RTTY with 5F msg using =50= group marker	Baudot 50/500	(PPA)
17482	M42	2-8	1200	Sat	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
15967	M42	2-8	1210	Sat	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
13396	M42	2-8	1220	Sat	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
9085	M42	5-8	0645	Tue	Russian diplo	CROWD-36	(LG2)
11076	M42	7-8	0704	Thu	Russian diplo/intel. Msg for link 45136	FSK 200/1000	(PPA)
11027	M42	8-8	0514	Fri	Russian diplo	USB/Serdolik MFSK/40/1500	(PPA)
11025	M42	8-8	0617	Fri	RKV23: Russian Gov/PtP, Tyumen	RUS-ARQ 100/500	(PPA)
11148	M42	8-8	0620	Fri	Russian diplo/intel. Msg for link 40988	FSK 200/1000	(PPA)
11126	M42	9-8	1900	Sat	Russian diplo/intel. 00000 +++++ +++++ 148 = 895 1 44578 50653 08705 67 = 814 2 02229 57438 71071 990	FSK 200/500	(Danix)
16320	M42	11-8	0150	Mon	Russian diplo/intel. Messages for links 13366, 41018, 63615, 08250	FSK 200/1000	(Dan)
14880	M42	11-8	0230	Mon	Russian diplo/intel. Messages for links 13366, 41018, 63615, 08250	FSK 200/1000	(Dan)
9164	M42	11-8	1025	Mon	Russian diplo/intel. 00000+++++227 47679286221159177=8032 etc..	FSK 200/1000	(linkz)
11076	M42	11-8	1025	Mon	Russian diplo/intel. 00000+++++227 47679286221159177=8032 etc..	FSK 200/1000	(linkz)
10828	M42	14-8	1903	Thu	Russian gov./intel. Null message 00000++++++++++162)5761	Baudot 200/500	(PPA)
6830	M42	18-8	0538	Mon	RWI: Russian station idling then RYF2 DE RWI QSA?	Baudot 50/500	(PPA)
6950	M42	18-8	0621	Mon	RZT71: Russian station. CW call up RCZ32 DE RZT71 ZSC then into FSK 100/500	FSK 100/500 + CW	(PPA)
6830	M42	21-8	1659	Thu	RNM6: Russian station idling then RRQ6 DE RNM6 QSA?	Baudot 50/500	(PPA)
16074	M42	25-8	1533	Mon	Russian diplo/intel.	FSK 200/1000	(BCI)
10828	M42	28-8	1900	Thu	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
8144	M42	28-8	1910	Thu	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
5803	M42	28-8	1920	Thu	Russian diplo/intel. 6 54	FSK 200/500	(HFD)
5342	M42	29-8	1828	Fri	BZL26: Russian Gov.	Baudot 50/500	(BCI)
8551	M51	1-8	2014	Fri	= NR 38 J 22 20:06:35 2014 BT KASWR XTFZA CHTHP PPNBJ YBHZT …	CW	(LG2)
8016	M51	4-8	1643	Mon	= NR 08 A 04 18:45:21 2014 BT PBMQA NEVWT DHSHA …	CW	(MPJ)
8014	M51	6-8	0659	Wed	= NR 02 A 06 09:04:17 2014 BT TPUIS IYPHE VNUKE OBTMV ZBALH …	CW	(LG2)
7529	M51	6-8	0745	Wed	= N09 A 06P:48:00 2014 BT SGXNME ZHCQS IZJOD LKNRM EMLBV DWPJK …	CW	(LG2)
4901	M51	6-8	2031	Wed	i.p.	CW	(LG2)
5453	M51	6-8	2102	Wed	i.p. KULWG MRLDL WBXNZ JOVIQ GRKFE ERUJQ ECYLL PSAQL BIRZG WWQAD …	CW	(LG2)
4901	M51	6-8	2119	Wed	= NR 40 W 06 23:18:30 2014 = 5LGs	CW	(Faux)
9212	M51	10-8	1155	Sun	= NR 25 A 12 15:56:01 2014 = AVDCX RYBAD EOPBG SFEKR RDDFQ QCISF XRAHJ NNTYS IQHOQ KDLVG …	CW	(DM0551)
9213	M51	13-8	1528	Wed	5LGs = NR 73 A 13 17:28:09 2014 =	CW	(Faux)
9213	M51	13-8	1914	Wed	= NR 20 A 13 21:13:41 2014 = AZQFS COENT WFXDH …	CW	(MPJ)
5453	M51	13-8	2322	Wed	5LGs = NR 41 A 13 23:22:04 2014 =	CW	(Faux)
6825	M51	18-8	0643	Mon	5L message after = nr 13 a 18 08:43:11 2014 =	CW	(PPA)
9213	M51	25-8	1338	Mon	i.p. BSATM VITAI YDQHT = NR 46 A 25 15:44:14 2014 = ZGXSE SZPNT MUVBX VREMA …	CW	(AB)
8016	M51	26-8	1700	Tue	= nr 36 a 26 19:02:22 2014 = vflce …	CW	(AB)
6825	M51a	5-8	0842	Tue	FAV22 LECON 12-1/2 VITESSE 600 CLAIR BT NE DEUXISME OCONDE HABITE …..	CW	(LG2)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5801	M89	31-7	1856	Thu	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW	(PPA)
5657	M89	31-7	1857	Thu	V GKLO GKLO GKLO DE TYUI TYUI	CW	(PPA)
5801	M89	1-8	0132	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	1-8	0132	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8940	M89	1-8	0204	Fri	CQ (x3) DE DP91 (x2) V HR HR NIL NIL SK SK GB GB DU6E DE 7991 G	CW	(JPL)
8072	M89	1-8	0219	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6840	M89	1-8	0220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	1-8	0220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6666	M89	1-8	0229	Fri	i.p. A453 U67T TDN7 A3U4 56D7 (Cont'd) III AR	CW	(JPL)
8111	M89	1-8	0238	Fri	i.p. 98W = 45NU AR K. 85W = U7D5 AR K. 77W BT 75.6 AR K (Cont'd)	CW	(JPL)
8072	M89	1-8	1011	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8060	M89	1-8	1013	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6840	M89	1-8	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	1-8	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
10180	M89	1-8	1031	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
10180	M89	1-8	1227	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5801	M89	1-8	1349	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	1-8	1349	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6666	M89	1-8	1353	Fri	i.p. 7NAD IIII = 4TN7 AU63 5D6EE ? 5D63 AN7T (Cont'd)	CW	(JPL)
3777	M89	1-8	1402	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	1-8	1402	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4001	M89	1-8	1404	Fri	i.p. T754 73AA TUN5 TTT4 CY. OK 4D3A A674 734U 4N4N DT7A (Cont'd)	CW	(JPL)
3820	M89	1-8	1407	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	1-8	1407	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	1-8	1409	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	1-8	1419	Fri	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
6840	M89	1-8	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3330	M89	1-8	1733	Fri	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	1-8	1735	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	1-8	1735	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	1-8	1737	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	1-8	1737	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	1-8	1738	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	1-8	1738	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3642	M89	1-8	2212	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	1-8	2212	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
8060	M89	1-8	2215	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3820	M89	1-8	2216	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	1-8	2216	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	1-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	1-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
10421	M89	2-8	0112	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6840	M89	2-8	0120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	2-8	0120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5801	M89	2-8	0135	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	2-8	0135	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6719	M89	2-8	0159	Sat	DP91 (//8940	CW	(JPL)
8940	M89	2-8	0159	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB (x7) //6719	CW	(JPL)
5801	M89	2-8	1311	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	2-8	1311	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	2-8	1313	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	2-8	1313	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5177	M89	2-8	1315	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	2-8	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
6974	M89	2-8	1333	Sat	T656 DN3A III 2P GA = = = 664T 6N66 T6DA 45U5 (Cont'd)	CW	(JPL)
6936	M89	2-8	1334	Sat	134 DP7891 SK SK SK DP6 (1335z - Silent)	CW	(JPL)
7602	M89	2-8	2024	Sat	dkg6 de 2a7d	CW	(brit)
3642	M89	3-8	0003	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	3-8	0003	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3330	M89	3-8	1626	Sun	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3777	M89	3-8	1630	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	3-8	1630	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
3820	M89	3-8	1633	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	3-8	1633	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3642	M89	3-8	1654	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	3-8	1654	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	3-8	1657	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5153	M89	3-8	1716	Sun	6U6D 4755 AUN. AR K	CW	(JPL)
4860	M89	3-8	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	3-8	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	3-8	2307	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	3-8	2307	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6840	M89	3-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	3-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5500	M89	3-8	2332	Sun	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6840	M89	4-8	0020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	4-8	0020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8072	M89	4-8	0026	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	4-8	0026	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8110	M89	4-8	0028	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3642	M89	4-8	0032	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) (//7602	CW	(JPL)
7602	M89	4-8	0032	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5177	M89	4-8	0033	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8072	M89	4-8	0040	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5801	M89	4-8	0148	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	4-8	0148	Mon	/4306 = COMM/1015/LZ681A6/4329/4097 AR AGN //5801	CW	(JPL)
8940	M89	4-8	0158	Mon	N4FM5 E A. CQ E A CQ DP91 V. CQ (x3) DE DP91 (X2) V //6719	CW	(JPL)
6719	M89	4-8	0205	Mon	DP91 //8940	CW	(JPL)
6719	M89	4-8	0205	Mon	N4FM5 (x3) DE NAT491(x2)	CW	(JPL)
5801	M89	4-8	1009	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	4-8	1009	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3820	M89	4-8	1012	Mon	TYUI: MSG NR 04/CCK CK 99 75 .4 2111 BT RMKS .. TO 7.537057 . 13 70.1 TO 7651.. 71. 4136 5EEEE	CW	(JPL)
5657	M89	4-8	1012	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	4-8	1020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
8072	M89	4-8	2333	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	4-8	2333	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
7602	M89	5-8	0149	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
7877	M89	5-8	0154	Tue	i.p. D7T6 U6D3 UA37 (Cont'd) AR QSL? K	CW	(JPL)
8940	M89	5-8	0158	Tue	CQ (x3) DE DP91 (x2) V (Switched to //6719 at 0200z)	CW	(JPL)
6719	M89	5-8	0201	Tue	CQ (x3) DE DP91 (x2) V NIL SK GB INIP NIL SK GNI //8940	CW	(JPL)
5801	M89	5-8	0213	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	5-8	0213	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6936	M89	5-8	1302	Tue	i.p. MSG MSG MSG OK GA MSG MSG DE DP99 AR OK GA	CW	(JPL)
8122	M89	5-8	1337	Tue	i.p. NU6A N7UA TAU4 6457 TDD4 NU6A (Cont'd) AR	CW	(JPL)
5801	M89	5-8	1355	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	5-8	1355	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3642	M89	5-8	1434	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	5-8	1434	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	5-8	1436	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	5-8	1436	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	5-8	1438	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-8	1438	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4120	M89	5-8	1442	Tue	i.p. T63T A64D 5664 7N4T UAT. (Cont'd) III III = = =	CW	(JPL)
5177	M89	5-8	1442	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4131	M89	5-8	1450	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	5-8	1736	Tue	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
4131	M89	5-8	1740	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	5-8	1742	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	5-8	1742	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3330	M89	5-8	2119	Tue	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
4860	M89	5-8	2120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	5-8	2120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3777	M89	5-8	2125	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4532	M89	5-8	2125	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	5-8	2127	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	5-8	2127	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6376	M89	5-8	2132	Tue	(i.p. RMKS CQ = = I7RE/E4NL AR (Normally EXERCISE related message)	CW	(JPL)
6666	M89	6-8	0109	Wed	= D3X4/Q1B2 AR (Normally associated with EXERCISE traffic)	CW	(JPL)
6719	M89	6-8	0159	Wed	CQ (x3) DE DP91 (x2) V //8940	CW	(JPL)
8940	M89	6-8	0201	Wed	CQ (x3 DE DP91 (x2) V HR NIL SK GB //6719	CW	(JPL)
5801	M89	6-8	0212	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	6-8	0212	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8072	M89	6-8	1008	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5588	M89	6-8	1012	Wed	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
8888	M89	6-8	1015	Wed	i.p. 7D5A 36U7 UNAD 5AN TN6D 6N54 (Cont'd) II AR	CW	(JPL)
6840	M89	6-8	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	6-8	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5801	M89	6-8	1035	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	6-8	1035	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10180	M89	6-8	1054	Wed	VVV HR SVC GA NR 027 1900 RMKS 4306 TO 4463=BT COMM/1930/XZ698/83/4309/4463 AR	CW	(JPL)
3330	M89	6-8	1446	Wed	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	6-8	1448	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	6-8	1448	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	6-8	1450	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	6-8	1450	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	6-8	1452	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	6-8	1452	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	6-8	1455	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4131	M89	6-8	1514	Wed	i.p. VV HR MSG GA MSG NR .15/CCK CK 91 10 0808 0310	CW	(JPL)
3330	M89	6-8	1803	Wed	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	6-8	1805	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	6-8	1805	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	6-8	1806	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	6-8	1806	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	6-8	1808	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	6-8	1808	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	6-8	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	6-8	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4131	M89	6-8	2130	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8060	M89	6-8	2145	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6793	M89	6-8	2200	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	6-8	2200	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
8940	M89	7-8	0200	Thu	CQ (x3) DE DP91 (x2) V //6719	CW	(JPL)
6719	M89	7-8	0208	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8940	CW	(JPL)
5801	M89	7-8	0216	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-8	0216	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6788	M89	7-8	0231	Thu	i.p. CCK CK 91 73 EEE 7373 EEEEEE (see N&O 203)	CW	(JPL)
7777	M89	7-8	0240	Thu	i.p. 4D53 AN7T U63N A6T4 57DU 5634 TDAU 7N6T (see N&O 203)	CW	(JPL)
8212	M89	7-8	0917	Thu	DP91 CK K	CW	(JPL)
5801	M89	7-8	0943	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-8	0943	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	7-8	1226	Thu	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3777	M89	7-8	1229	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-8	1229	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	7-8	1231	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	7-8	1231	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
10180	M89	7-8	1238	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8212	M89	7-8	1251	Thu	DP91 i.p. 158W 158W 75AA 75AA TC166W (see N&O 203)	CW	(JPL)
4860	M89	7-8	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	7-8	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
8232	M89	7-8	1325	Thu	i.p. 47W 47W = N4566 N466 N466 W (see N&O 203)	CW	(JPL)
8212	M89	7-8	1342	Thu	DP8091 i.p. CK 200 EX 0807 2138 = (see N&O 203)	CW	(JPL)
7610	M89	7-8	1405	Thu	i.p. DU33 NU6A NUN5 NDNU N4D5 TU7A 3U55 7544 DD33 TTT4 (see N&O 203)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4477	M89	7-8	1548	Thu	i.p. 05 05 05(see N&O 203)	CW	(JPL)
3330	M89	7-8	1916	Thu	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3777	M89	7-8	1917	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-8	1917	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3642	M89	7-8	1918	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	7-8	1918	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4860	M89	7-8	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	7-8	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3820	M89	7-8	1923	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	7-8	1923	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3642	M89	7-8	1930	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	7-8	1930	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5801	M89	8-8	0129	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-8	0129	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8060	M89	8-8	0131	Fri	(i.p. 8W BT 375D AR K. R K. R GA GA JEN R GA	CW	(JPL)
8940	M89	8-8	0200	Fri	CQ (x3) DE DP91 (x2) V //6719	CW	(JPL)
6719	M89	8-8	0201	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8940	CW	(JPL)
5801	M89	8-8	1055	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-8	1055	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5588	M89	8-8	1105	Fri	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
6793	M89	8-8	1108	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	8-8	1108	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
7878	M89	8-8	1111	Fri	i.p. RPT 04W K. RPT 04W = = 6435 AR AR K K. R OK OK OK OK	CW	(JPL)
7749	M89	8-8	1116	Fri	i.p. AS MSG GA NR 080./CCK CK 19 22 0808 1926 RMKS 2021 TO 2277 K (see N&O 203)	CW	(JPL)
6908	M89	8-8	1127	Fri	i.p. 5453 TTT6N DD46 46A3 D34A 7NTU (Cont'd) III = 4NNT 4NN6 U5D4 (Cont'd)	CW	(JPL)
5588	M89	8-8	1318	Fri	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3820	M89	8-8	1319	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	8-8	1319	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6840	M89	8-8	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4131	M89	8-8	1325	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	8-8	1328	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-8	1328	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10883	M89	8-8	1331	Fri	i.p. 3NA4 63TU UAT3 753N A65D 7T46 AU47 D5TA 75TA 7T46 7D3 (Stopped)	CW	(JPL)
5588	M89	8-8	1548	Fri	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	8-8	1551	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	8-8	1551	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	8-8	1552	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	8-8	1552	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4131	M89	8-8	1740	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8101	M89	9-8	1132	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	9-8	1132	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //8101	CW	(JPL)
3642	M89	9-8	1456	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	9-8	1456	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3330	M89	9-8	1459	Sat	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3777	M89	9-8	1500	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	9-8	1500	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	9-8	1501	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	9-8	1501	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	9-8	1519	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	9-8	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4860	M89	9-8	1820	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	9-8	1820	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3330	M89	9-8	1826	Sat	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	9-8	1827	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	9-8	1827	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	9-8	1828	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	9-8	1828	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	9-8	1830	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	9-8	1830	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4131	M89	9-8	1837	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4131	M89	9-8	2119	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6793	M89	10-8	0903	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	10-8	0903	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
8072	M89	10-8	0957	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	10-8	0957	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5588	M89	10-8	1004	Sun	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
5801	M89	10-8	1012	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-8	1012	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6840	M89	10-8	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	10-8	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8073	M89	10-8	1142	Sun	i.p. BT 7730 T377 3353 3734 AANN 343.. 4673 D34D T4D6 734N (Cont'd)	CW	(JPL)
6793	M89	10-8	1152	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	10-8	1152	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
3820	M89	10-8	1154	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	10-8	1154	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	10-8	1156	Sun	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
5801	M89	10-8	1200	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-8	1200	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	10-8	1311	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-8	1311	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6881	M89	10-8	1313	Sun	(i.p. RMKS .... TO .3.50 K. R GA K. R RPT K.	CW	(JPL)
6779	M89	10-8	1316	Sun	i.p. N 4SQW DE VJST EEEEE N 4SQW DE VJST N QSA2 QSA? K NH R WK NR 21 K. NR	CW	(JPL)
3771	M89	10-8	1320	Sun	(i.p. U37A N5DD 6.D4 ? DU ? A3TU AU65 566D A345 (Cont'd)	CW	(JPL)
6840	M89	10-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4131	M89	10-8	1326	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3777	M89	10-8	1329	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	10-8	1329	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	10-8	1330	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	10-8	1330	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
8125	M89	10-8	1617	Sun	(i.p. 65a7 A7TU 3TA7 4TA4 ? UTA6 AT5D 457A = AU76 A. ? U4AD 64U5 (Cont'd)	CW	(JPL)
6840	M89	10-8	2220	Sun	VVV Q2M Q2M Q2M DE NYZ NYZ QSA? K	CW	(SP1)
3642	M89	10-8	2313	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	10-8	2313	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6840	M89	10-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	10-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
4225	M89	10-8	2330	Sun	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
8110	M89	10-8	2330	Sun	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
8060	M89	10-8	2331	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5801	M89	11-8	0148	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-8	0148	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8940	M89	11-8	0159	Mon	CQ DP91 A CQ DP91 CQ (x3) DE DP91 (x2) V (Cont'd) //6719	CW	(JPL)
6719	M89	11-8	0200	Mon	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8940	CW	(JPL)
6840	M89	11-8	0920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	11-8	0920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8072	M89	11-8	0927	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
8888	M89	11-8	0931	Mon	i.p. EIC UI C (Normally associated with EXERCISE traffic)	CW	(JPL)
5801	M89	11-8	0940	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-8	0940	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8012	M89	11-8	0943	Mon	i.p. N574 N7UA NDT4 T3AA T6NA T6A3 TU53 TDDU (Cont'd)	CW	(JPL)
8212	M89	11-8	1005	Mon	i.p. 76W 76W 76W 56W 56W BT T7U6 T7U6 W (Both stations on this frequency)	CW	(JPL)
3820	M89	11-8	1155	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	11-8	1155	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3777	M89	11-8	1157	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	11-8	1157	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	11-8	1158	Mon	V 8CPZ (x3) DE XW6W (x2) (Cont'd) (	CW	(JPL)
5500	M89	11-8	1200	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5710	M89	11-8	1208	Mon	(i.p. U7A6 D5A3 5N7A 3N4D N53A 3746 7D3U (Cont'd) III = =	CW	(JPL)
5177	M89	11-8	1216	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7740	M89	11-8	1221	Mon	(i.p. III I 2P. = 4ANU 5D7N 5AAA D666 (Cont'd)	CW	(JPL)
10204	M89	11-8	1403	Mon	(i.p. 2100 RMKS 3839 TO 3988 R K =	CW	(JPL)
8212	M89	11-8	1409	Mon	(i.p. AS K. SQSL 2211 QSL 2211 TO QSL 2211 NIL SK	CW	(JPL)
6936	M89	11-8	1416	Mon	i.p. 17 FM 3 (Format indicates this might be part of DP91 Network)	CW	(JPL)
6840	M89	11-8	1420	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
5801	M89	11-8	1425	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-8	1425	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5380	M89	11-8	1427	Mon	(i.p. AT6A 353A 5335 6A6D A5AT TN6N (Cont'd) IIII III III =	CW	(JPL)
5177	M89	11-8	1431	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4742	M89	11-8	1432	Mon	i.p. 64NT 5A67 357A 65A7 U356 (Cont'd)	CW	(JPL)
6719	M89	12-8	0200	Tue	N4FM5 (x3) DE NAT491 (x2) V	CW	(JPL)
8940	M89	12-8	0200	Tue	CQ DE DP91 DP91 V HR NIL HR NIL SK GB HR NIL SK GB HR NIL SK GB	CW	(JPL)
5801	M89	12-8	0222	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	12-8	0222	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6701	M89	12-8	1320	Tue	(i.p. TTDT TDT7 TN.N 6NU5 6DU4 D737 DDAN NTU3 (Cont'd)	CW	(JPL)
6984	M89	12-8	1332	Tue	i.p. N7.4 7UTD T5.N DT7T (Cont'd) AR K. R QSL 2132 K	CW	(JPL)
5801	M89	12-8	1340	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	12-8	1340	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	12-8	1344	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	12-8	1344	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	12-8	1346	Tue	V 8CPZ (x3) DE XW6W (x2) (Cont'd) TUE	CW	(JPL)
3820	M89	12-8	1347	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	12-8	1347	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5500	M89	12-8	1349	Tue	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3330	M89	12-8	1500	Tue	V 8CPZ (x3) DE XW6W (x2) (Cont'd)	CW	(JPL)
3642	M89	12-8	1502	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	12-8	1502	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	12-8	1503	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	12-8	1503	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5500	M89	12-8	1504	Tue	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3820	M89	12-8	1505	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	12-8	1505	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
6636	M89	12-8	1514	Tue	DP7491 D733 T4N6 NU76 DDUD TU.U T435 NNNA TU43 T45A N7UA (Cont'd)	CW	(JPL)
5358	M89	12-8	1646	Tue	i.p. R MSG GA K. R MSG NR 7 CK .85 .2 0812 .250 QSL? K	CW	(JPL)
4131	M89	12-8	1654	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6899	M89	12-8	1704	Tue	i.p. AD57 53N7 4AD3 37N3 4NDT UTN7 4T3U (Cont'd) AR QSL? K	CW	(JPL)
6840	M89	12-8	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4131	M89	12-8	2319	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	12-8	2320	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
6840	M89	12-8	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
7602	M89	12-8	2320	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
10640	M89	12-8	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8060	M89	12-8	2328	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10180	M89	13-8	0144	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd	CW	(JPL)
8072	M89	13-8	0148	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8940	M89	13-8	0157	Wed	CQ DE DP91 DP91 V CQ (x3) DE DP91 (x2) V (Cont'd) //6719	CW	(JPL)
6719	M89	13-8	0200	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8940	CW	(JPL)
10180	M89	13-8	0627	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
10421	M89	13-8	0637	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5801	M89	13-8	1102	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	13-8	1102	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10421	M89	13-8	1104	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6936	M89	13-8	1107	Wed	i.p. N643 T54U TU.. (Cont'd) AR	CW	(JPL)
3642	M89	13-8	1622	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5801	M89	14-8	0326	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	14-8	0326	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10180	M89	14-8	1145	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5801	M89	15-8	1404	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	15-8	1404	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	15-8	1406	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	15-8	1408	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4532	M89	15-8	1408	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	15-8	1410	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	15-8	1410	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	15-8	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	15-8	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	15-8	1711	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3820	M89	15-8	1715	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
4131	M89	15-8	1718	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6666	M89	15-8	1737	Fri	i.p. 3AUN 3T4T 7AD5 NDTA 5U74 (see N&O 203)	CW	(JPL)
8072	M89	16-8	1034	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8060	M89	16-8	1036	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10180	M89	16-8	1038	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5588	M89	16-8	1040	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6666	M89	16-8	1044	Sat	i.p. /5719/5707/5745 K = 3DU3 D6A4 6UTD DTNT 445D 54T3 N5DA (see N&O 203)	CW	(JPL)
3330	M89	16-8	1400	Sat	2SLC VV = EE C NR 63 3056. 3978 = CQ MM S.. = 36EU2/.W9.8/2230/2.7./3.56 AR	CW	(JPL)
3642	M89	16-8	1407	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	16-8	1407	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	16-8	1409	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	16-8	1409	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	16-8	1411	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	16-8	1411	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	16-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	16-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3330	M89	16-8	1652	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	16-8	1653	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	16-8	1653	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	16-8	1654	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	16-8	1654	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	16-8	1655	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	16-8	1655	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	16-8	1720	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	16-8	1720	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4131	M89	16-8	1729	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	16-8	1732	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	16-8	1732	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	16-8	1735	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	16-8	1735	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	16-8	1737	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8072	M89	17-8	1049	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	17-8	1049	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
6793	M89	17-8	1052	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	17-8	1052	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5588	M89	17-8	1054	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
10180	M89	17-8	1107	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3820	M89	17-8	1255	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	17-8	1255	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3330	M89	17-8	1300	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	17-8	1302	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	17-8	1302	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
10180	M89	17-8	1315	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3330	M89	17-8	2119	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4860	M89	17-8	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	17-8	2120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	17-8	2126	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	17-8	2126	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	17-8	2127	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	17-8	2127	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	17-8	2128	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	17-8	2128	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4225	M89	17-8	2131	Sun	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8110	M89	18-8	0142	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
8072	M89	18-8	0940	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8110	M89	18-8	0943	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5588	M89	18-8	0944	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6793	M89	18-8	0945	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	18-8	0945	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
3330	M89	18-8	1507	Mon	i.p. ADU7 U7.3 A73. ANU3 4N.7 AN3. (Cont'd) III BT ND3T 7U.6 .TA3 A67T A5U4 64A5 (Cont'd)	CW	(JPL)
4860	M89	18-8	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K /6840	CW	(JPL)
6840	M89	18-8	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3777	M89	18-8	1522	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	18-8	1522	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	18-8	1523	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	18-8	1523	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
7602	M89	18-8	1527	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8110	M89	18-8	1535	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3642	M89	18-8	1553	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	18-8	1553	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	18-8	1554	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	18-8	2049	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	18-8	2057	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	18-8	2057	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	18-8	2058	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3820	M89	18-8	2102	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	18-8	2102	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3777	M89	18-8	2104	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	18-8	2104	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5500	M89	18-8	2117	Mon	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4860	M89	18-8	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	18-8	2120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
7582	M89	19-8	0207	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
8060	M89	19-8	0209	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10180	M89	19-8	1119	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6793	M89	19-8	1125	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	19-8	1125	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5500	M89	19-8	1128	Tue	V (x3) 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5801	M89	19-8	1133	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	19-8	1133	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10455	M89	19-8	1137	Tue	i.p. 365N 64DT 6AAD UN37 6A4D D6UN T5UA (Cont'd) SR	CW	(JPL)
6840	M89	19-8	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	19-8	1520	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6936	M89	20-8	1335	Wed	MSG NR 495 ACK 100 EX 08 20 2142 == DA66 TDD5 D733 T5A4 TA55 .... AR AR AR DE DP7891 QSL 2159	CW	(PPA)
6840	M89	21-8	1823	Thu	VVV Q2M Q2M Q2M DE NYZ NYZ	CW	(PPA)
6840	M89	23-8	0920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	23-8	0920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
8072	M89	23-8	0925	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8060	M89	23-8	0926	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5588	M89	23-8	0928	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8888	M89	23-8	0929	Sat	i.p. AAU4 4.N5 DU5A 347U 5UN3 T736 D4.6 (Cont'd)	CW	(JPL)
5555	M89	23-8	0937	Sat	i.p. NR541 K. NR 541 CK 171 84 0820. 200 RMKS 8588 TO 9412M .. K	CW	(JPL)
5801	M89	23-8	0947	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	23-8	0947	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10383	M89	23-8	0954	Sat	i.p. 4TDU ADT5 N7.U U.5A DU54 DUA4 (Cont'd)	CW	(JPL)
8940	M89	23-8	0959	Sat	CQ (x3) DE DP91 (x2) V //6719	CW	(JPL)
6719	M89	23-8	1000	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8940	CW	(JPL)
5588	M89	23-8	1115	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6840	M89	23-8	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	23-8	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6666	M89	23-8	1128	Sat	i.p. T47D AAES ACADDADPAFN R AGN AGN (see N&O 203)	CW	(JPL)
3820	M89	23-8	1419	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-8	1419	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
4860	M89	23-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	23-8	1420	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
5177	M89	23-8	1426	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
3642	M89	23-8	1432	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	23-8	1432	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	23-8	1436	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
6772	M89	23-8	1446	Sat	647U UA7T T3DN N5D6 T6DN A75A (Cont'd) III = NN7T ..DD 4DN4 D64U 56A6 (Cont'd)	CW	(JPL)
4532	M89	23-8	2104	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
6840	M89	23-8	2220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
3642	M89	23-8	2225	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	23-8	2225	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3820	M89	23-8	2229	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	23-8	2229	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4131	M89	23-8	2231	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd) //N/H	CW	(JPL)
8072	M89	24-8	0137	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	24-8	0137	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
3642	M89	24-8	0152	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	24-8	0152	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5177	M89	24-8	0154	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6719	M89	24-8	0200	Sun	CQ (x3) DE DP91 (x2) V PSE YY C YY TO HR AHR NIL SK GB //8940	CW	(JPL)
8940	M89	24-8	0200	Sun	CQ (x3) DE DP91 (x2) V //6719	CW	(JPL)
8072	M89	24-8	0946	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	24-8	0946	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
5801	M89	24-8	0949	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	24-8	0949	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6719	M89	24-8	1004	Sun	N4FM5 (x3) DE DUT491 (x2) V NIL SK GB	CW	(JPL)
8940	M89	24-8	1005	Sun	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
6793	M89	24-8	1027	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	24-8	1027	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5588	M89	24-8	1030	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5588	M89	24-8	1033	Sun	2SLC i.p. NR ... CK 301 34 0824 1830 = TUt4 A676 6TU7 U7UD N7A5 4NU3 (Cont'd)	CW	(JPL)
3225	M89	24-8	1340	Sun	(i.p. NA54 UD.. MSG NR .. CK ... 3.. 24 = UA..	CW	(JPL)
3330	M89	24-8	1345	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	24-8	1350	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	24-8	1350	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	24-8	1353	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	24-8	1353	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
5177	M89	24-8	1359	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	24-8	1403	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	24-8	1403	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) VVV HR 7G GA (see N&O 203) //5801	CW	(JPL)
3642	M89	24-8	1511	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	24-8	1511	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6840	M89	24-8	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
4131	M89	24-8	1523	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5657	M89	26-8	2308	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6840	M89	26-8	2322	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R4) QSA? K (//10640	CW	(JPL)
10640	M89	26-8	2322	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K (//6840	CW	(JPL)
8072	M89	27-8	0918	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6840	M89	27-8	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	27-8	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6793	M89	27-8	0925	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	27-8	0925	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5588	M89	27-8	0926	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5555	M89	27-8	0951	Wed	[i.p. 3675 4DA5 ? 4DAU AR 05 05 05 05 TTTT. 05	CW	(JPL)
8072	M89	27-8	2313	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	27-8	2313	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
7602	M89	27-8	2317	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8060	M89	27-8	2319	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6840	M89	27-8	2320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	27-8	2320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
8072	M89	28-8	0941	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
10421	M89	28-8	0941	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
8060	M89	28-8	0944	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
5588	M89	28-8	0945	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6666	M89	28-8	0947	Thu	i.p. T4A5 446. (Cont'd) AR K. HR NIL SK GB K	CW	(JPL)
6666	M89	28-8	1000	Thu	i.p. VV EJBY EJBY DE TLSA TLSA K (see N&O 203)	CW	(JPL)
3777	M89	28-8	1129	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	28-8	1129	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	28-8	1135	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5555	M89	28-8	1157	Thu	i.p. 7634 44? 434444 306 35. AA45A 6N7A 5D767D6A37DU A5N5 745T 356A etc	CW	(JPL)
6666	M89	28-8	1205	Thu	i.p. 5UNA ADN4 TT7D 55DU 4465 DD46 5466 (see N&O 203)	CW	(JPL)
6840	M89	28-8	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
10640	M89	28-8	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5801	M89	28-8	1225	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	28-8	1225	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6666	M89	28-8	1226	Thu	i.p. GA K. R MSG MSG NR 064 CK 75 12 0828 2025 K	CW	(JPL)
3330	M89	28-8	1237	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3330	M89	28-8	1910	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	28-8	1912	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	28-8	1912	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	28-8	1913	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	28-8	1913	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	28-8	1915	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6666	M89	28-8	1917	Thu	(i.p. U5UD AR K. R QSL 0310 7 AR. AGN AGN QSL 0317. SK AGN ZNN SK SK GB	CW	(JPL)
4860	M89	28-8	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	28-8	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
3642	M89	28-8	2218	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	28-8	2218	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
6840	M89	28-8	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
4860	M89	28-8	2920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
5801	M89	29-8	1228	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	29-8	1228	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	29-8	1232	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3820	M89	29-8	1235	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	29-8	1235	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
3777	M89	29-8	1237	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	29-8	1237	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	29-8	1902	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	29-8	1904	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	29-8	1905	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	29-8	1905	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3820	M89	29-8	1908	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	29-8	1908	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	29-8	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	29-8	1920	Fri	VVV Q2M DE NYZ QSA? K Started at 1915z for a few seconds, then stopped. Back at 1920z //4860	CW	(JPL)
4860	M89	29-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	29-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
4532	M89	29-8	2225	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
6793	M89	29-8	2225	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3820	M89	29-8	2226	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
5657	M89	29-8	2226	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
4860	M89	30-8	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	30-8	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
5588	M89	30-8	1327	Sat	VVVV CQ 63 RMKS 3056 TO 3913 UGT COMM SSB = =	CW	(JPL)
3777	M89	30-8	1334	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	30-8	1334	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	30-8	1335	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5555	M89	30-8	1341	Sat	i.p. GA AURPT 42W TO 49W K. NTR CK (see N&O 203)	CW	(JPL)
7602	M89	30-8	1359	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
5588	M89	30-8	1438	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd) Switched to 3330 at 1443z	CW	(JPL)
7602	M89	30-8	1439	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5657	M89	30-8	1440	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3330	M89	30-8	1443	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd) Switched from 5588	CW	(JPL)
7602	M89	30-8	1536	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3330	M89	30-8	1756	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	30-8	1757	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	30-8	1758	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	30-8	1758	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5657	M89	30-8	1800	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
5657	M89	30-8	2240	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
8060	M89	30-8	2242	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
7602	M89	30-8	2243	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8073	M89	31-8	1138	Sun	(i.p. 3744 T4NN 3446 4744 3D3D (see N&O 203)	CW	(JPL)
5657	M89	31-8	1204	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
3777	M89	31-8	1206	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	31-8	1206	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	31-8	1207	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	31-8	1626	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	31-8	1626	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	31-8	1637	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	31-8	2208	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	31-8	2208	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5500	M89	31-8	2210	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5657	M89	31-8	2212	Sun	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
6793	M89	31-8	2214	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	31-8	2214	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
4860	M89	31-8	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
6840	M89	31-8	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
6917.5	MX	1-8	0326	Fri	Beacon "L" St.Petersburg	CW	(PPA)
6917.5	MX	3-8	1900	Sun	Beacon "L" St. Petersburg	CW	(Topol)
10871.7	MX	5-8	1806	Tue	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
10871.9	MX	5-8	1807	Tue	Beacon "S" Severomorsk	CW	(MPJ)
10872	MX	5-8	1807	Tue	Beacon "C" Moscow	CW	(MPJ)
13527.7	MX	5-8	1844	Tue	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
13527.9	MX	5-8	1845	Tue	Beacon "S" Severomorsk	CW	(MPJ)
13528	MX	5-8	1845	Tue	Beacon "C" Moscow	CW	(MPJ)
8494.7	MX	5-8	2300	Tue	Beacon "D" Sevastopol	CW	(Topol)
10872	MX	6-8	2153	Wed	Beacon "C" Moscow	CW	(LG2)
10871.7	MX	6-8	2154	Wed	Beacon "D" Sevastopol	CW	(LG2)
10871.9	MX	6-8	2155	Wed	Beacon "S" Severomorsk	CW	(LG2)
4325.9	MX	9-8	1509	Sat	Marker "R", Izhevsk	CW	(JPL-Sib)
7027	MX	9-8	1514	Sat	Beacon "V", Khiva	CW	(JPL-Sib)
10871.7	MX	9-8	1719	Sat	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
10872	MX	9-8	1720	Sat	Beacon "C" Moscow	CW	(MPJ)
13527.8	MX	10-8	0608	Sun	Beacon "D" Sevastopol	CW	(AB)
13527.9	MX	10-8	0608	Sun	Beacon "S" Sevoromorsk	CW	(AB)
13528	MX	10-8	0608	Sun	Beacon "C" Moscow	CW	(AB)
10871.7	MX	10-8	0610	Sun	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	10-8	0610	Sun	Beacon "S" Severomorsk	CW	(AB)
10872	MX	10-8	0610	Sun	Beacon "C" Moscow	CW	(AB)
20047.7	MX	10-8	0821	Sun	Beacon "D" Sevastopol	CW	(LG2)
7737	MX	10-8	1021	Sun	Beacon "V" Khiva	CW	(JPL-Sib)
16332	MX	10-8	1408	Sun	Beacon "C" Moscow	CW	(LG2)
7027	MX	10-8	1717	Sun	Beacon "V" Khiva	CW	(AB)
4325.9	MX	10-8	1946	Sun	Beacon "R" Izhevsk	CW	(AB-Sib)
7027	MX	11-8	2006	Mon	Beacon "V" Khiva	CW	(AB)
6917.5	MX	11-8	2010	Mon	Beacon "L" St Petersburg	CW	(AB)
5153.7	MX	11-8	2014	Mon	Beacon "D" Sevastopol	CW	(AB)
5153.9	MX	11-8	2014	Mon	Beacon "S" Sevoromorsk	CW	(AB)
5154	MX	11-8	2014	Mon	Beacon "C" Moscow	CW	(AB)
7038.7	MX	11-8	2014	Mon	Beacon "D" Sevastopol	CW	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7038.9	MX	11-8	2014	Mon	Beacon "S" Sevoromorsk	CW	(AB)
10871.7	MX	11-8	2015	Mon	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	11-8	2015	Mon	Beacon "S" Sevoromorsk	CW	(AB)
10872	MX	11-8	2015	Mon	Beacon "C" Moscow	CW	(AB)
13527.7	MX	11-8	2016	Mon	Beacon "D" Sevastopol	CW	(AB)
13527.9	MX	11-8	2016	Mon	Beacon "S" Sevoromorsk	CW	(AB)
13528	MX	11-8	2016	Mon	Beacon "C" Moscow	CW	(AB)
16331.7	MX	11-8	2017	Mon	Beacon "D" Sevastopol	CW	(AB)
13528.3	MX	12-8	0609	Tue	Beacon "K" Petropavlovsk Kamchatskiy	CW	(AB-Sib)
13528.4	MX	12-8	0609	Tue	Beacon "M" Magadan	CW	(AB-Sib)
6917.5	MX	12-8	1625	Tue	Beacon "L" St Petersburg	CW	(AB)
6918	MX	12-8	2317	Tue	Beacon "L" St Petersburg	CW	(JPL-Sib)
4150	MX	12-8	2319	Tue	Beacon "V" Khiva	CW	(JPL-Sib)
10871.7	MX	13-8	1933	Wed	Beacon "D" Sevastoopol/Odessa	CW	(MPJ)
10872	MX	13-8	1934	Wed	Beacon "C" Moscow	CW	(MPJ)
6917.5	MX	14-8	1949	Thu	Beacon "L" St Petersburg	CW	(LG2)
10871.7	MX	15-8	1138	Fri	Beacon "D" Odessa	CW	(PPA)
10872	MX	15-8	1657	Fri	Beacon "C" Moscow	CW	(PPA)
10871.9	MX	15-8	1658	Fri	Beacon "S" Arkhangelsk	CW	(PPA)
10872.2	MX	15-8	1843	Fri	Beacon "F" Vladivostok	CW	(PPA)
10871.8	MX	15-8	1851	Fri	Beacon "P" Kaliningrad	CW	(PPA)
10871.7	MX	20-8	1505	Wed	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
10871.8	MX	20-8	1506	Wed	Beacon "P" Kaliningrad	CW	(MPJ)
20047.7	MX	25-8	1322	Mon	Beacon "D" Sevastopol	CW	(AB)
20047.9	MX	25-8	1322	Mon	Beacon "S" Sevoromorsk	CW	(AB)
13527.7	MX	25-8	1323	Mon	Beacon "D" Sevastopol	CW	(AB)
13527.9	MX	25-8	1323	Mon	Beacon "S" Sevoromorsk	CW	(AB)
10871.7	MX	25-8	1324	Mon	Beacon "D" Sevastopol	CW	(AB)
10871.9	MX	25-8	1324	Mon	Beacon "S" Sevoromorsk	CW	(AB)
10872	MX	25-8	1324	Mon	Beacon "C" Moscow	CW	(AB)
10872.4	MX	25-8	1324	Mon	Beacon "M" Magadan	CW	(AB)
8497.8	MX	25-8	1325	Mon	Beacon "L" St Petersburg	CW	(AB)
16331.7	MX	25-8	1326	Mon	Beacon "D" Sevoromorsk	CW	(AB)
16332	MX	25-8	1326	Mon	Beacon "C" Moscow	CW	(AB)
6719.5	MX	25-8	1631	Mon	Beacon "L" St Petersburg	CW	(AB)
7027	MX	25-8	1635	Mon	Beacon "V" Khiva	CW	(AB)
5153.7	MX	25-8	1905	Mon	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
16332	MX	26-8	1159	Tue	Distorted beacon "C"	CW	(AB)
8497.8	MX	26-8	1200	Tue	Beacon "L" St Petersburg	CW	(AB)
8497.8	MX	26-8	2204	Tue	Beacon "L" St Petersburg	CW	(AAI)
6917	MX	30-8	1532	Sat	Beacon "L" St Petersburg	CW	(JPL-FNL)
6875	RADv	21-8	1621	Thu	PVO (tent). Short announcements by Russian YL	USB	(PPA)
6880	RADv	21-8	1904	Thu	PVO (tent). Short announcements by Russian YL	USB	(PPA)
11049	RMv	8-8	1746	Fri	OTSIRIA 892: Russian Mil. Russian male voice with test count and duplex chat. Clg KATOK-463	USB	(PPA)
4525.5	RMv	17-8	2140	Sun	Russian YL with callups and/or status messages	LSB	(Dev)
5629	RMv	19-8	1956	Tue	Malka-81. OMs with problems in comms, one was confirming what sounded like time of arrival	USB	(MSM)
7947	S06	2-8	1600	Sat	194 00000	USB	(Danix)
9164	S06	2-8	1900	Sat	621 00000	USB	(Danix)
7318	S06	2-8	1930	Sat	396 0	USB	(HFD)
6792	S06	2-8	2000	Sat	362 00000	USB	(Danix)
6792	S06	2-8	2000	Sat	621 621 621 00000 //7768 kHz	USB	(SP1)
7768	S06	2-8	2000	Sat	621 00000	USB	(Danix)
7768	S06	2-8	2000	Sat	621 621 621 00000 //6792 kHz	USB	(SP1)
6873	S06	9-8	1605	Sat	194 00000	USB	(Danix)
15805	S06	11-8	1815	Mon	260 00000	USB	(Danix)
15805	S06	11-8	1815	Mon	260 260 260 00000	USB	(GHn)
15805	S06	11-8	1815	Mon	260 0	USB	(HFD)
13380	S06	11-8	1915	Mon	260 0	USB	(HFD)
13380	S06	11-8	1915	Mon	260 00000	USB	(Danix)
6863	S06	16-8	1605	Sat	194 00000	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
9164	S06	16-8	1900	Sat	621 00000	USB	(Danix)
5932	S06	16-8	1935	Sat	396 00000	USB	(Danix)
6792	S06	16-8	2000	Sat	362 00000	USB	(Danix)
7768	S06	16-8	2000	Sat	621 00000	USB	(Danix)
6974	S06	18-8	1907	Mon	349 349 349 00000	AM	(PPA)
7947	S06	23-8	1600	Sat	194 0	USB	(HFD)
7947	S06	23-8	1600	Sat	194 194 194 00000	USB	(AB)
7947	S06	23-8	1600	Sat	194 00000	USB	(Danix)
5932	S06	23-8	1935	Sat	396 00000	USB	(Danix)
15805	S06	25-8	1815	Mon	260 260 260 00000	USB	(AB)
15805	S06	25-8	1815	Mon	260 00000	USB	(Danix)
6984	S06	25-8	1905	Mon	349 349 349 00000	USB	(AB)
13380	S06	25-8	1915	Mon	260 00000	USB	(Danix)
13380	S06	25-8	1915	Mon	260 260 260 00000	USB	(AB)
6984	S06	28-8	1905	Thu	349 0	USB	(HFD)
7845	S06s	1-8	0600	Fri	196 847 5 10297 56743 89231 67431 90807 847 5 00000	AM	(AB/Danix)
11742	S06s	1-8	0600	Fri	934 271 5 81726 46352 89760 12098 37378 271 5 00000	AM	(AB/Danix)
9125	S06s	1-8	0610	Fri	196 847 5 10297 56743 89231 67431 90807 847 5 00000	AM	(AB/Danix)
12355	S06s	1-8	0610	Fri	934 271 5 81726 46352 89760 12098 37378 271 5 00000	AM	(AB/Danix)
10290	S06s	1-8	0930	Fri	516 902 7 80144 33956 43841 43498 34654 89083 88962	USB	(Danix)
9655	S06s	1-8	0940	Fri	516 902 7 80144 33956 43841 43498 34654 89083 88962	USB	(Danix)
12460	S06s	2-8	1200	Sat	254 879 6 33291 83913 72557 61391 75878 93683	USB	(Danix)
10250	S06s	2-8	1210	Sat	254 879 6 33291 83913 72557 61391 75878 93683	USB	(Danix)
16320	S06s	3-8	0630	Sun	524 817 6 38648 71142 47778 57185 94933 27564	USB	(Danix)
14875	S06s	3-8	0640	Sun	524 817 6 38648 71142 47778 57185 94933 27564	USB	(Danix)
8221	S06s	4-8	0830	Mon	371 469 5 43698 42844 70362 89526 28904	USB	(Danix)
9353	S06s	4-8	0840	Mon	371 469 5 43698 42844 70362 89526 28904	USB	(Danix)
16380	S06s	4-8	0900	Mon	872 469 5 40837 80900 28230 25747 59187	USB	(Danix)
14835	S06s	4-8	0910	Mon	872 469 5 40837 80900 28230 25747 59187	USB	(Danix)
10230	S06s	4-8	1200	Mon	831 469 5 34596 91021 25046 58778 78626	USB	(Danix)
12165	S06s	4-8	1210	Mon	831 469 5 34596 91021 25046 58778 78626	USB	(Danix)
16735	S06s	5-8	0600	Tue	438 527 6 20483 47292 38314 63370 76184 79445	USB	(Danix)
15230	S06s	5-8	0610	Tue	438 527 6 20483 47292 38314 63370 76184 79445	USB	(Danix)
5430	S06s	5-8	0700	Tue	374 208 5 42465 46683 90715 42738 80515	USB	(Danix)
6780	S06s	5-8	0715	Tue	374 208 5 42465 46683 90715 42738 80515	USB	(Danix)
14373	S06s	5-8	0800	Tue	352 801 6 41326 46926 71387 78321 22911 49923	USB	(Danix)
12935	S06s	5-8	0810	Tue	352 801 6 41326 46926 71387 78321 22911 49923	USB	(Danix)
6810	S06s	5-8	1100	Tue	754 801 6 61028 69130 27970 53514 58906 31477	USB	(Danix)
7560	S06s	5-8	1110	Tue	754 801 6 61028 69130 27970 53514 58906 31477	USB	(Danix)
6766	S06s	5-8	1500	Tue	537 402 6 44408 16402 77789 22837 26332 16014	USB	(Danix)
7744	S06s	5-8	1510	Tue	537 402 6 44408 16402 77789 22837 26332 16014	USB	(Danix/toto)
9485	S06s	6-8	0820	Wed	471 962 5 31084 29296 58781 62106 27361	USB	(Danix)
11085	S06s	6-8	0830	Wed	471 962 5 31084 29296 58781 62106 27361	USB	(Danix)
14580	S06s	6-8	1000	Wed	729 854 6 15676 70599 86591 85898 92933 13245	USB	(Danix)
16020	S06s	6-8	1010	Wed	729 854 6 15676 70599 86591 85898 92933 13245	USB	(Danix)
7545	S06s	6-8	1230	Wed	967 201 5 34595 63586 56464 22477 93231	USB	(Danix)
8220	S06s	6-8	1240	Wed	967 201 5 34595 63586 56464 22477 93231	USB	(Danix)
12952	S06s	7-8	0900	Thu	167 809 5 41326 46926 71387 87231 22911	USB	(Danix)
13565	S06s	7-8	0910	Thu	167 809 5 41326 46926 71387 87231 22911	USB	(Danix)
9255	S06s	7-8	0930	Thu	314 896 5 22517 60642 86967 46078 86576	USB	(Danix)
10325	S06s	7-8	0940	Thu	314 896 5 22517 60642 86967 46078 86576	USB	(Danix)
11165	S06s	7-8	0950	Thu	635 894 7 20529 80749 03752 76376 84777 72068 93554	USB	(Danix)
12530	S06s	7-8	1000	Thu	635 894 7 20529 80749 03752 76376 84777 72068 93554	USB	(Danix)
13145	S06s	7-8	1200	Thu	425 976 8 61028 69130 27970 53514 58906 31477 91127 49572	USB	(Danix)
14535	S06s	7-8	1210	Thu	425 976 8 61028 69130 27970 53514 58906 31477 91127 49572	USB	(Danix)
7845	S06s	8-8	0600	Fri	196 847 5 10297 56743 89231 67431 90807 847 5 00000	USB	(AB)
7845	S06s	8-8	0600	Fri	196 847 5 10297 56743 89231 67431 90807	USB	(Danix)
11742	S06s	8-8	0600	Fri	934 271 5 81726 46352 89760 12098 37378 271 5 00000	AM	(AB)
11742	S06s	8-8	0600	Fri	934 271 5 81726 46352 89760 12098 37378	USB	(Danix)
9125	S06s	8-8	0610	Fri	196 847 5 10297 56743 89231 67431 90807 847 5 00000	USB	(AB/Danix)
12355	S06s	8-8	0610	Fri	934 271 5 81726 46352 89760 12098 37378 271 5 00000	AM	(AB/Danix)
7650	S06s	8-8	0800	Fri	278 903 5 33365 47183 81326 36388 94323 903 5 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
6125	S06s	8-8	0810	Fri	278 903 5 33365 47183 81326 36388 94323 903 5 00000	USB	(AB)
10290	S06s	8-8	0930	Fri	516 902 7 80144 33956 43841 43498 34654 89083 88962 902 7 00000	AM	(AB/Danix)
9655	S06s	8-8	0940	Fri	516 902 7 80144 33956 43841 43498 34654 89083 88962 902 7 00000	AM	(AB/Danix)
16320	S06s	10-8	0630	Sun	524 817 6 38648 71142 47778 57185 94933 27564 817 6 00000	AM	(AB/Danix)
14875	S06s	10-8	0640	Sun	524 817 6 38648 71142 47778 57185 94933 27564 817 6 00000	AM	(AB/Danix)
8221	S06s	11-8	0830	Mon	371 469 5 43698 42844 60362 89526 28904 469 5 00000	USB	(AB/Danix)
9353	S06s	11-8	0840	Mon	371 469 5 43698 42844 60362 89526 28904 469 5 00000	USB	(AB/Danix)
16380	S06s	11-8	0900	Mon	872 469 5 40837 80900 28230 25747 59187	USB	(Danix)
14835	S06s	11-8	0910	Mon	872 469 5 40837 80900 28230 25747 59187	USB	(Danix)
10230	S06s	11-8	1200	Mon	831 469 5 34596 91021 25046 58778 78626	USB	(Danix)
12165	S06s	11-8	1210	Mon	831 469 5 34596 91021 25046 58778 78626	USB	(Danix)
16735	S06s	12-8	0600	Tue	438 527 6 20483 47292 38314 63370 76184 79445 527 6 00000	AM	(AB/Danix)
15230	S06s	12-8	0610	Tue	438 527 6 20483 47292 38314 63370 76184 79445 527 6 00000	AM	(AB/Danix)
5430	S06s	12-8	0700	Tue	374 208 5 42465 46683 90715 42738 80515	USB	(Danix)
6780	S06s	12-8	0715	Tue	374 208 5 42465 46583 90715 42738 80515 208 5 00000	USB	(AB/Danix)
7365	S06s	12-8	0730	Tue	427 806 5 61028 69130 27970 53514 58903 806 5 00000	AM	(AB)
11655	S06s	12-8	0740	Tue	427 806 5 61028 69130 27970 53514 58903 806 5 00000	AM	(AB)
14373	S06s	12-8	0800	Tue	352 801 6 41326 46926 71387 78321 22911 49923 801 6 00000	USB	(AB/Danix)
12935	S06s	12-8	0810	Tue	352 801 6 41326 46926 71387 78321 22911 49923 801 6 00000	USB	(AB/Danix)
6810	S06s	12-8	1100	Tue	754 801 6 61028 69130 27970 53514 58906 31477	USB	(Danix)
7560	S06s	12-8	1110	Tue	754 801 6 61028 69130 27970 53514 58906 31477	USB	(Danix)
6766	S06s	12-8	1500	Tue	537 402 6 44408 16402 77789 22837 26332 15014 402 6 00000	USB	(AB/Danix)
7744	S06s	12-8	1510	Tue	537 402 6 44408 16402 77789 22837 26332 15014 402 6 00000	USB	(AB/Danix)
9485	S06s	13-8	0820	Wed	471 962 5 31084 29296 58781 62106 27361	USB	(Danix)
11085	S06s	13-8	0830	Wed	471 962 5 31084 29296 58781 62106 27361	USB	(Danix)
14580	S06s	13-8	1000	Wed	729 854 6 15676 70599 86591 85898 92933 13245	USB	(Danix)
16020	S06s	13-8	1010	Wed	729 854 6 15676 70599 86591 85898 92933 13245	USB	(Danix)
7545	S06s	13-8	1230	Wed	967 201 5 34595 63586 56464 22477 93231	USB	(Danix)
8220	S06s	13-8	1240	Wed	967 201 5 34595 63586 56464 22477 93231	USB	(Danix)
12952	S06s	14-8	0900	Thu	167 809 5 41326 46926 71387 87231 22911	USB	(Danix)
13565	S06s	14-8	0910	Thu	167 809 5 41326 46926 71387 87231 22911	USB	(Danix)
9255	S06s	14-8	0930	Thu	314 896 5 22517 60642 86967 46078 86576	USB	(Danix)
10325	S06s	14-8	0940	Thu	314 896 5 22517 60642 86967 46078 86576	USB	(Danix)
11165	S06s	14-8	0950	Thu	635 894 7 20529 80749 03752 76376 84777 72068 93554	USB	(Danix)
12530	S06s	14-8	1000	Thu	635 894 7 20529 80749 03752 76376 84777 72068 93554	USB	(Danix)
13145	S06s	14-8	1200	Thu	425 976 8 61028 69130 27970 53514 58906 31477 91127 49572	USB	(Danix)
14535	S06s	14-8	1210	Thu	425 276 8 61028 69130 27970 53514 58906 31477 91127 49572 276 8 00000	AM	(AB/Danix)
7845	S06s	15-8	0600	Fri	196 823 5 29903 89159 32603 58491 43549 823 5 00000	AM	(AB)
11742	S06s	15-8	0600	Fri	934 820 5 49032 82871 88163 30231 84662 820 5 00000	AM	(AB)
9125	S06s	15-8	0610	Fri	196 823 5 29903 89159 32603 58491 43549 823 5 00000	AM	(AB)
12355	S06s	15-8	0610	Fri	934 820 5 49032 82871 88163 30231 84662 820 5 00000	AM	(AB)
10290	S06s	15-8	0930	Fri	516 890 7 52401 63019 92600 14600 74248 48754 33796 890 7 00000	AM	(AB/Danix)
9655	S06s	15-8	0940	Fri	516 890 7 52401 63019 92600 14600 74248 48754 33796 890 7 00000	AM	(AB/Danix)
16320	S06s	17-8	0630	Sun	524 863 7 88620 58069 61732 74537 57440 10597 23521	USB	(Danix)
14875	S06s	17-8	0640	Sun	524 863 7 88620 58069 61732 74537 57440 10597 23521	USB	(Danix)
8221	S06s	18-8	0830	Mon	371 925 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
9353	S06s	18-8	0840	Mon	371 925 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
16380	S06s	18-8	0900	Mon	872 960 5 88146 57856 98835 46186 16945 960 5 00000	USB	(AB/Danix)
14835	S06s	18-8	0910	Mon	872 960 5 88146 57856 98835 46186 16945 960 5 00000	USB	(AB/Danix)
10230	S06s	18-8	1200	Mon	831 960 5 33796 13577 74526 46647 79302 960 5 00000	AM	(AB/Danix)
12165	S06s	18-8	1210	Mon	831 960 5 33796 13577 74526 46647 79302 960 5 00000	AM	(AB/Danix)
16735	S06s	19-8	0600	Tue	438 925 6 88280 84116 53718 78927 34694 08531	USB	(Danix)
15230	S06s	19-8	0610	Tue	438 925 6 88280 84116 53718 78927 34694 08531	USB	(Danix)
5430	S06s	19-8	0700	Tue	374 862 5 88620 58069 61732 74537 57440 862 5 00000	USB	(AB/Danix)
6780	S06s	19-8	0715	Tue	374 862 5 88520 58069 61732 74537 57440 862 5 00000	USB	(AB)
6780	S06s	19-8	0715	Tue	374 862 5 88620 58069 61732 74537 57440	USB	(Danix)
7365	S06s	19-8	0730	Tue	427 813 5 11171 64385 82707 06123 22536	USB	(Danix)
11655	S06s	19-8	0740	Tue	427 813 5 11171 64385 82707 06123 22536	USB	(Danix)
14375	S06s	19-8	0800	Tue	352 471 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
12935	S06s	19-8	0810	Tue	352 471 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
6810	S06s	19-8	1100	Tue	754 923 6 57914 99227 16046 11393 00359 29551	USB	(Danix)

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Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
7560	S06s	19-8	1110	Tue	754 923 6 57914 99227 16046 11393 00359 29551	AM	(Danix/MSM)
6766	S06s	19-8	1500	Tue	537 489 6 57914 99227 16046 11393 00359 67541	USB	(Danix)
7744	S06s	19-8	1510	Tue	537 489 6 57914 99227 16046 11393 00359 67541	USB	(Danix)
12110	S06s	20-8	0730	Wed	745 928 6 22517 60642 86967 46078 86576 53966	USB	(Danix)
14977	S06s	20-8	0740	Wed	745 928 6 22517 60642 86967 46078 86576 53966	USB	(Danix)
9485	S06s	20-8	0820	Wed	471 932 5 31477 91127 49572 96314 52976	USB	(Danix)
11085	S06s	20-8	0830	Wed	471 932 5 31477 91127 49572 96314 52976	USB	(Danix)
14580	S06s	20-8	1000	Wed	729 541 6 43698 42844 70362 89526 28904 64547 541 6 00000	AM	(AB/Danix)
16020	S06s	20-8	1010	Wed	729 541 6 43698 42844 70362 89526 28904 64547 541 6 00000	AM	(AB/DM0551/Danix)
7545	S06s	20-8	1230	Wed	967 281 5 34596 91021 25046 58778 78626	USB	(Danix)
8220	S06s	20-8	1240	Wed	967 281 5 34596 91021 25046 58778 78626	USB	(Danix)
12952	S06s	21-8	0900	Thu	167 839 5 96435 65111 57793 98192 59983 839 5 00000	AM	(AB/Danix)
13565	S06s	21-8	0910	Thu	167 839 5 96435 65111 57793 98192 59983 839 5 00000	AM	(AB/Danix)
9255	S06s	21-8	0930	Thu	314 258 6 22517 60642 86967 46178 24387 58906	USB	(Danix)
10325	S06s	21-8	0940	Thu	314 258 6 22517 60642 86967 46178 24387 58906	USB	(Danix)
11165	S06s	21-8	0950	Thu	635 981 7 40837 80800 28230 25747 59187 35760 47406	USB	(Danix)
12530	S06s	21-8	1000	Thu	635 981 7 40837 80800 28230 25747 59187 35760 47406	USB	(Danix)
13145	S06s	21-8	1200	Thu	425 901 6 82232 11326 26585 43584 33291 83913 901 6 00000	AM	(AB/Danix)
14535	S06s	21-8	1210	Thu	425 901 6 82232 11326 26585 43584 33291 83913 901 6 00000	AM	(AB/Danix)
10290	S06s	22-8	0930	Fri	516 890 7 52401 63919 92699 14600 74248 48754 33796	USB	(Danix)
9655	S06s	22-8	0940	Fri	516 890 7 52401 63919 92699 14600 74248 48754 33796	USB	(Danix)
16320	S06s	24-8	0630	Sun	524 863 7 88620 58069 61732 74537 57440 10597 23521	USB	(Danix)
14875	S06s	24-8	0640	Sun	524 863 7 88620 58069 61732 74537 57440 10597 23521	USB	(Danix)
8221	S06s	25-8	0830	Mon	371 925 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
9353	S06s	25-8	0840	Mon	371 925 6 20534 11160 43494 37638 16070 48834 925 6 00000	USB	(AB/Danix)
16380	S06s	25-8	0900	Mon	872 960 5 88146 57856 98835 46186 16945 960 5 00000	AM	(AB/Danix)
14835	S06s	25-8	0910	Mon	872 960 5 88146 57856 98835 46186 16945 960 5 00000	AM	(AB/Danix)
10230	S06s	25-8	1200	Mon	831 960 5 33796 13577 74526 46647 79302 960 5 00000	USB	(AB/Danix)
12165	S06s	25-8	1210	Mon	831 960 5 33796 13577 74526 46647 79302 960 5 00000	USB	(AB/Danix)
15945	S06s	26-8	0600	Tue	438 925 6 88280 84116 53718 78927 34694 08531	USB	(Danix)
16945	S06s	26-8	0610	Tue	438 925 6 88280 84116 53718 78927 34694 08531	USB	(Danix)
5430	S06s	26-8	0700	Tue	374 862 5 88620 58069 61732 74537 57440 862 5 00000	USB	(AB/Danix)
6780	S06s	26-8	0715	Tue	374 862 5 88620 58069 61732 74537 57440 862 5 00000	USB	(AB/Danix)
7365	S06s	26-8	0730	Tue	427 813 5 11171 64385 82707 05123 22536 813 5 00000	USB	(AB/Danix)
11665	S06s	26-8	0740	Tue	427 813 5 11171 64385 82707 05123 22536 813 5 00000	USB	(AB/Danix)
14373	S06s	26-8	0800	Tue	352 471 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
12935	S06s	26-8	0810	Tue	352 471 6 20534 11160 43494 37638 16070 48834	USB	(Danix)
6810	S06s	26-8	1100	Tue	754 923 6 57914 99227 16046 11393 00359 29551 923 6 00000	USB	(AB/Danix)
7560	S06s	26-8	1110	Tue	754 923 6 57914 99227 16046 11393 00359 29551 923 6 00000	USB	(AB/Danix)
6766	S06s	26-8	1500	Tue	537 489 6 57914 99227 16046 11393 00359 67541	USB	(Danix)
7744	S06s	26-8	1510	Tue	537 489 6 57914 99227 16046 11393 00359 67541	USB	(Danix)
12110	S06s	27-8	0730	Wed	745 928 6 22517 60682 86967 46078 86576 53966 928 6 00000	AM	(AB/Danix)
14977	S06s	27-8	0740	Wed	745 928 6 22517 60682 86967 46078 86576 53966 928 6 00000	AM	(AB/Danix)
9485	S06s	27-8	0820	Wed	471 932 5 31477 91127 49572 96314 52976	USB	(Danix)
11085	S06s	27-8	0830	Wed	471 932 5 31477 91127 49572 96314 52976	USB	(Danix)
14580	S06s	27-8	1000	Wed	729 541 6 43698 42844 70362 89526 28904 64547	USB	(Danix)
16020	S06s	27-8	1010	Wed	729 541 6 43698 42844 70362 89526 28904 64547	USB	(Danix)
7545	S06s	27-8	1230	Wed	967 281 5 34596 91021 25046 58778 78626	USB	(Danix)
8220	S06s	27-8	1240	Wed	967 281 5 34596 91021 25046 58778 78626	USB	(Danix)
12952	S06s	28-8	0900	Thu	167 839 5 96435 65111 57793 98192 59983	USB	(Danix)
13565	S06s	28-8	0910	Thu	167 839 5 96435 65111 57793 98192 59983	USB	(Danix)
9255	S06s	28-8	0930	Thu	314 258 6 22517 60642 86967 46178 24387 58906	USB	(Danix)
9255	S06s	28-8	0930	Thu	314 258 6 22517 60642 86967 46178 24387 58906 258 6 00000	USB	(AB/Danix)
10325	S06s	28-8	0940	Thu	314 258 6 22517 60642 86967 46178 24387 58906 258 6 00000	USB	(AB/Danix)
11165	S06s	28-8	0950	Thu	635 981 7 40837 80800 28230 25747 59187 35760 47406 981 7 00000. Noisy overmodulated transmitter	AM	(AB/Danix)
12530	S06s	28-8	1000	Thu	635 981 7 40837 80800 28230 25747 59187 35760 47406 981 7 00000. Noisy overmodulated transmitter	AM	(AB/Danix)
13145	S06s	28-8	1200	Thu	425 901 6 82232 11326 26585 43684 33291 83913 901 6 00000	USB	(Eric/Danix)
14535	S06s	28-8	1210	Thu	425 901 6 82232 11326 26585 43584 33291 83913	USB	(Danix)
7845	S06s	29-8	0600	Fri	196 196 196 00000	AM	(AB/PPA/Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
11742	S06s	29-8	0600	Fri	934 934 934 00000	AM	(AB/Danix)
9125	S06s	29-8	0610	Fri	196 196 196 00000	AM	(AB/Danix)
12355	S06s	29-8	0610	Fri	934 934 934 00000	AM	(AB/Danix)
7650	S06s	29-8	0800	Fri	278 278 278 00000	USB	(AB/Danix)
6125	S06s	29-8	0810	Fri	278 278 278 00000	USB	(AB/Danix)
10290	S06s	29-8	0930	Fri	516 516 516 00000	AM	(AB/Danix)
9655	S06s	29-8	0940	Fri	516 516 516 00000	AM	(AB/Danix)
16320	S06s	31-8	0630	Sun	524 524 524 00000	USB	(Danix)
14875	S06s	31-8	0640	Sun	524 524 524 00000	USB	(Danix)
4870	S11a	1-8	1955	Fri	370/00, cut off 20 secs before "konets"	USB	(Danix)
18511	S11a	4-8	0715	Mon	385/35 Vnimanie 79973 16353 45409 ... 03802 81558 49042	USB	(Danix)
16530	S11a	4-8	1015	Mon	475/00	USB	(Danix)
8530	S11a	5-8	0915	Tue	484/00	USB	(Danix)
11581	S11a	5-8	1020	Tue	426/00	USB	(Danix)
18511	S11a	6-8	0715	Wed	382/00	USB	(Danix)
5815	S11a	6-8	1020	Wed	221/00	USB	(AB)
5815	S11a	6-8	1020	Wed	221/00	USB	(Danix)
4870	S11a	6-8	1955	Wed	370/00	USB	(toto)
4870	S11a	6-8	1955	Wed	370/00	USB	(Danix)
16530	S11a	7-8	1015	Thu	475/00	USB	(Danix)
8530	S11a	8-8	0915	Fri	484/00	USB	(Danix)
11581	S11a	8-8	1020	Fri	426/00	USB	(Danix)
4870	S11a	8-8	1955	Fri	370/00	USB	(Danix)
5815	S11a	9-8	1020	Sat	221/00	USB	(Danix)
18511	S11a	11-8	0715	Mon	382/00	USB	(Danix)
16530	S11a	11-8	1015	Mon	475/00	USB	(Danix)
8530	S11a	12-8	0915	Tue	484/00	USB	(Danix)
11581	S11a	12-8	1020	Tue	424/36 Vnimanie 87496 61371 81259 ... 07333 38119 63734	USB	(Danix)
18511	S11a	13-8	0715	Wed	382/00	USB	(Danix)
5815	S11a	13-8	1020	Wed	221/00	USB	(Danix)
4870	S11a	13-8	1955	Wed	370/00	USB	(Danix)
16530	S11a	14-8	1015	Thu	475/00	USB	(Danix)
8530	S11a	15-8	0915	Fri	484/00	USB	(Danix)
11581	S11a	15-8	1020	Fri	424/36 Vnimanie 87496 61371 81259 ... 07333 38119 63734	USB	(Danix)
4870	S11a	15-8	1955	Fri	370/00	USB	(AB)
4870	S11a	15-8	1955	Fri	370/00	USB	(Danix)
5815	S11a	16-8	1020	Sat	221/00	USB	(Danix)
18511	S11a	18-8	0715	Mon	382/00	USB	(Danix)
16530	S11a	18-8	1015	Mon	475/00	USB	(Danix)
16530	S11a	18-8	1015	Mon	475/00	USB	(AB)
8530	S11a	19-8	0915	Tue	484/00	USB	(Danix)
8530	S11a	19-8	0915	Tue	484/00	USB	(AB)
11581	S11a	19-8	1020	Tue	426/00	USB	(AB)
11581	S11a	19-8	1020	Tue	426/00	USB	(Danix)
5815	S11a	20-8	1020	Wed	221/00	USB	(AB)
5815	S11a	20-8	1020	Wed	221/00	USB	(Danix)
4870	S11a	20-8	1955	Wed	379/34 Vnimanie 68623 51846 78481 ... 42542 54485 17414	USB	(Danix)
18511	S11a	21-8	0715	Wed	382/00	USB	(Danix)
16530	S11a	21-8	1015	Thu	475/00	USB	(Danix)
8530	S11a	22-8	0915	Fri	484/00	USB	(Danix)
11581	S11a	22-8	1020	Fri	426/00	USB	(Danix)
4870	S11a	22-8	1955	Fri	379/34 Vnimanie 68623 51846 78481 ... 42542 54485 17414	USB	(Danix)
5815	S11a	23-8	1020	Sat	221/00	USB	(Danix)
18511	S11a	25-8	0715	Mon	382/00	USB	(Danix)
16530	S11a	25-8	1015	Mon	475/33 Vnimanie 31017 23... faded away. Unreadable	USB	(AB)
16530	S11a	25-8	1015	Mon	471/33 Vnimanie 31017 23933 12457 ... 32813 73313 99997	USB	(Danix)
8530	S11a	26-8	0915	Tue	484/00	USB	(Danix)
11581	S11a	26-8	1020	Tue	426/00	USB	(Danix)
11581	S11a	26-8	1020	Tue	426/00	USB	(AB)
18511	S11a	27-8	0715	Wed	382/00	USB	(Danix)
5815	S11a	27-8	1020	Wed	221/35 Vnimanie 85831 46647 31876 ... 92153 56548 64992	USB	(Danix)
4870	S11a	27-8	1955	Wed	370/00	USB	(Danix)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
16530	S11a	28-8	1015	Thu	471/33 Vnimanie 31017 23933 12457 ... 32813 73313 99997	USB	(Danix)
8530	S11a	29-8	0915	Fri	484/00	USB	(AB)
8530	S11a	29-8	0915	Fri	484/00	USB	(Danix)
11581	S11a	29-8	1020	Fri	426/00	USB	(Danix)
4870	S11a	29-8	1955	Fri	370/00	USB	(Danix)
5815	S11a	30-8	1020	Sat	221/35 Vnimanie 85831 46647 31876 ... 92153 56548 64992	USB	(Danix)
4625	S28	2-8	1324	Sat	MDZhB 56 851 PIRIDIN 43 47 24 68	USB	(Arg/DJPr)
4625	S28	3-8	1324	Sun	MDZhB 56 561 PIRIDIN 63 67 24 68	USB	(DJPr)
4625	S28	3-8	1324	Sun	MDZhB 56 561 PIRIDIN 63 67 24 68	USB	(DJPr)
4625	S28	11-8	1132	Mon	MDZhB 21 595 TINKAL' 92 39 92 74	USB	(Avare)
4625	S28	11-8	1142	Mon	MDZhB 21 595 TINKAL' 92 39 92 74	SUB	(Avare)
4625	S28	11-8	1142	Mon	MDZhB 67 542 SDANNYY 35 07 74 89	USB	(AnEur)
4625	S28	14-8	1218	Thu	MDZhB 34 058 VATOA 09 04 95 67	USB	(ARG)
4625	S28	14-8	1340	Thu	MDZhB 79 975 RAZBURA 42 87 92 71 LATYSh 67 47 84 42 NATORChINA 28 62 63 36	USB	(ARG)
4625	S28	14-8	1343	Thu	MDZhB 08 138 UVIDENNYJ 66 59 64 20 KANGIL' 06 33 82 73 VALERON 23 96 75 14	USB	(ARG)
4625	S28	14-8	1419	Thu	MDZhB 66 965 POLYaROGRAF 23 45 02 17	USB	(ARG)
4625	S28	18-8	1302	Mon	MDZhB 63 227 ZAKADYChNYJ 94 74 40 52	USB	(DJPr)
3756	S30	4-8	1722	Mon	VCShchJ TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3	USB	(DJPr)
3756	S30	5-8	1713	Tue	HCLF 61HZh ZBIL L7O5 V'Z' NLCE V3MZ SB7Z 8MUO TUZR	USB	(DJPr)
3756	S30	19-8	1642	Tue	SB7Z 8MUO TUZR 5J7Shch 27Shch' NiDU 53OB 78MV 12CI 79AJ	USB	(DJPr)
5473	S32	1-8	1530	Fri	ShTORA-62 YahTA-94 KURGAN-40 RUZh'E-26 ROSA-64 NEVKA-26	USB	(DJPr)
3828	S32	2-8	1827	Sat	ShTORA-62 YaHTA-94 KURGAN-40 RUZh'E-26 ROSA-64 OTPOR-89 BIZON-64 KOVBOJ-39 ALEUT-09 LANDYSh-74	USB	(DJPr)
5473	S32	3-8	1553	Sun	YaHTA-94 ShTORA-62 STAZhER-29 DUBLER-68 PENZA-07 FONTAN-34 DZhIGIT-46 UTES-94 SLIVA-94	USB	(DJPr)
3828	S32	19-8	1743	Tue	SLIVA-94 UTES-94 DZhIGIT-46 FONTAN-34 PENZA-07 DUBLER-68 STAZhER-29 NEVKA-26	USB	(DJPr)
8100	SDN	14-8	2123	Thu	Sudanese Diplo (tent) OM/AA in plain voice tfc + Pactor-I crypto + CWID "de 8"	Pactor-I + USB	(linkz)
19000	SDN	19-8	1044	Tue	Sudanese Diplo (tent) 18888 +stno+ +ftype+ .bag +size+ 4216 ++++++ clg ID= "0000" + fsk-cw eot "de INTQ" + 2x OM/AA in plain voice coordination	Pactor-I 200/170	(linkz)
3285	UM10	1-8	1747	Fri	Unid 10-mins net: LEQA //3880 kHz	CW	(JPL-Sib)
3880	UM10	1-8	1747	Fri	Unid 10-mins net: LEQA //3285 kHz	CW	(JPL-Sib)
3835	UM10	9-8	1852	Sat	Unid-10 mins net: SDXL	CW	(JPL-Sib)
3539	UM10	9-8	2114	Sat	Unid-10 mins net: SBIB	CW	(JPL-Sib)
3835	UM10	9-8	2120	Sat	Unid-10 mins net: SDXL	CW	(JPL-Sib)
3835	UM10	10-8	1628	Sun	Unid 10-mins net: SDXL	CW	(JPL-SIb)
3835	UM10	10-8	2022	Sun	Unid 10-mins net: SDXL	CW	(JPL-SIb)
3835	UM10	12-8	1656	Tue	Unid 10-mins net: SDXL	CW	(JPL-Sib)
3256	UM10	23-8	1430	Sat	Unid 10-min net: SDXL //3835 kHz	CW	(JPL-Sib)
3835	UM10	23-8	1430	Sat	Unid 10-min net: SDXL //3256 kHz	CW	(JPL-Sib)
3539	UM10	24-8	1347	Sun	Unid 10-min net: SBIB	CW	(JPL-Sib)
3835	UM10	24-8	1347	Sun	Unid 10-min net: SDXL //3256 kHz	CW	(JPL-Sib)
3256	UM10	24-8	1356	Sun	Unid 10-min net: SDXL //3835 KHz	CW	(JPL-Sib)
9040	V02a	30-8	0110	Sat	i.p. ends with Final Final Final	AM	(NC)
9040	V02a	30-8	0200	Sat	Atencion 14811 37232 41662. Stops after 5 minutes	AM	(NC)
14823	V07	3-8	0500	Sun	845 845 845 000	USB	(Token/Dan)
13423	V07	3-8	0520	Sun	845 845 845 000	USB	(Token/Dan)
14823	V07	10-8	0500	Sun	845 845 845 000	USB	(AB)
13423	V07	10-8	0520	Sun	845 845 845 000	USB	(Dan)
14823	V07	17-8	0500	Sun	845 1 333 77 92034 90833 31109 ... 23314 94915 12243 000 000	USB	(Token)
14823	V07	17-8	0500	Sun	845 1 333 77 92034 90836 61109 ... 23314 94915 12243 000 000	USB	(Danix)
13423	V07	17-8	0520	Sun	845 1 333 77 92034 90836 61109 ... 23314 94915 12243 000 000	USB	(Danix)
13423	V07	17-8	0520	Sun	845 1 333 77 92034 90833 31109 ... 23314 94915 12243 000 000	USB	(Token)
11523	V07	17-8	0540	Sun	845 1 333 77 92034 90836 61109 ... 23314 94915 12243 000 000	USB	(Danix)
11523	V07	17-8	0540	Sun	845 1 333 77 92034 90833 31109 ... 23314 94915 12243 000 000	USB	(Token)
14823	V07	24-8	0500	Sun	845 845 845 000	USB	(Dan)
13423	V07	24-8	0520	Sun	845 845 845 000	USB	(Dan)
14823	V07	31-8	0500	Sun	845 845 845 000	USB	(Dan)
13423	V07	31-8	0520	Sun	845 845 845 000	USB	(Dan)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
15388	V13	11-8	0700	Mon	New Star #4	AM	(AB-HK)
9725	V13	12-8	1205	Tue	New Star i.p.	AM	(AB-HK)
9725	V13	13-8	1203	Wed	New Star i.p.	AM	(AB-HK)
9725	V13	18-8	1304	Mon	New Star i.p.	AM	(AB-HK)
15388	V13	20-8	0800	Wed	New Star #4. Tune followed by Chinese numbers	AM	(AB-HK)
15388	V13	21-8	0808	Thu	New Star i.p.	AM	(AB-HK)
9725	V13	21-8	1200	Thu	New Star #4. Tune followed by Chinese numbers	AM	(AB-HK)
9725	V13	21-8	1300	Thu	New Star #4. Tune followed by Chinese numbers	AM	(AB-HK)
9275	V13	25-8	1200	Mon	New Star #4	USB	(AB)
9275	V13	26-8	1200	Tue	New Star #4.	AM	(AB-HK)
6310	V24	5-8	1430	Tue	S. Korean numners	USB	(Token)
6215	V24	6-8	1330	Wed	S. Korean numners	USB	(Token)
6310	V24	6-8	1430	Wed	S. Korean numners	USB	(Token)
6310	V24	15-8	1430	Fri	S. Korean numners	USB	(Token)
6215	V24	26-8	1300	Tue	S. Korean numners	USB	(Token)
4900	V24	31-8	1530	Sun	S. Korean numners	USB	(Token)
5802	VC01	10-8	1445	Sun	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	10-8	1446	Sun	Chinese Robot i.p.	LSB	(JPL-Sib)
5802	VC01	12-8	1201	Tue	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	12-8	1303	Tue	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	13-8	1204	Wed	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	13-8	1248	Wed	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	14-8	1227	Thu	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	14-8	1304	Thu	Chinese Robot i.p.	USB	(AB-HK)
4310	VC01	14-8	1409	Thu	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	14-8	1409	Thu	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	14-8	1628	Thu	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	14-8	1628	Thu	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	15-8	1127	Fri	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	15-8	1127	Fri	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	18-8	1310	Mon	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	18-8	1311	Mon	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	20-8	1309	Wed	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	21-8	1040	Thu	Chinese Robot i.p.	USB	(AB-HK)
4310	VC01	21-8	1205	Thu	Chinese Robot i.p.	USB	(AB-HK)
4310	VC01	21-8	1304	Thu	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	22-8	1313	Fri	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	22-8	1440	Fri	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	23-8	1158	Sat	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	23-8	1412	Sat	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	23-8	1412	Sat	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	23-8	2207	Sat	Chinese Robot i.p.	LSB	(AB-HK)
4310	VC01	24-8	1425	Sun	Chinese Robot i.p.	USB	(AB-HK)
5802	VC01	24-8	1425	Sun	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	25-8	1201	Mon	Chinese Robot i.p.	LSB	(AB)
5802	VC01	26-8	1205	Tue	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	29-8	1158	Fri	Chinese Robot i.p.	LSB	(AB-HK)
5802	VC01	29-8	1530	Fri	Chinese Robot i.p.	LSB	(JPL-FNL)
5802	VC01	30-8	1530	Sat	Chinese Robot i.p.	LSB	(JPL-FNL)
13506	X06	1-8	0542	Fri	Mazielka. Sequence: 213546	USB	(PUK)
13954	X06	1-8	0542	Fri	Mazielka. Sequence: 213546	USB	(PUK)
13954	X06	1-8	0546	Fri	Mazielka. Sequence: 213546	USB	(PUK)
13506	X06	1-8	0549	Fri	Mazielka. Sequence: 213546	USB	(PUK)
16320	X06	1-8	0641	Fri	Mazielka. Sequence: 241563	USB	(PUK)
16320	X06	1-8	0703	Fri	Mazielka. Sequence: 241563	USB	(PUK)
16219	X06	1-8	0842	Fri	Mazielka. Sequence: 324615	USB	(PUK)
12215	X06	1-8	0954	Fri	Mazielka. Sequence: 361245	USB	(PUK/Dan)
14824	X06	1-8	1012	Fri	Mazielka. Sequence: 625413	USB	(PUK)
11438	X06	4-8	1545	Mon	Mazielka. Sequence: 532614	USB	(Avare)
14650	X06	4-8	1620	Mon	Mazielka. Sequence: 215346	USB	(PUK)
18206	X06	5-8	0914	Tue	Mazielka. Sequence: 246531	USB	(PUK)
9288	X06	8-8	0626	Fri	Mazielka. Sequence: 356412	USB	(PUK)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14863	X06	8-8	1001	Fri	Mazielka. Sequence: 615243	USB	(PUK)
12224	X06	11-8	1007	Mon	Mazielka. Sequence: 463125	USB	(PUK)
14675	X06	12-8	1030	Tue	Mazielka. Sequence: 612534	USB	(Danix)
12200	X06	13-8	0845	Wed	Mazielka. Sequence: 134265	USB	(PUK)
14560	X06	13-8	1057	Wed	Mazielka. Sequence: 621543	USB	(Danix)
14970	X06	13-8	1543	Wed	Mazielka. Sequence: 216354	USB	(PUK)
14720	X06	15-8	0636	Fri	Mazielka. Sequence: 241563	USB	(Danix)
16219	X06	15-8	0836	Fri	Mazielka. Sequence: 324615.	USB	(Danix)
14552	X06	15-8	1000	Fri	Mazielka. Sequence: 361245	USB	(AB)
12142	X06	18-8	0657	Mon	Mazielka. Sequence: 261453	USB	(Danix)
14825	X06	18-8	0751	Mon	Mazielka. Sequence: 641523.	USB	(Danix)
14358	X06	19-8	0837	Tue	Mazielka. Sequence: 154263	USB	(Danix)
19610	X06	22-8	0530	Fri	Mazielka. Sequence: 216435	USB	(EW)
14970	X06	22-8	0815	Fri	Mazielka. Sequence: 216354	USB	(vA)
12109	X06	25-8	0840	Mon	Mazielka. Sequence: 431625.	USB	(Danix)
10372	X06	25-8	0844	Mon	Mazielka. Sequence: 216354.	USB	(Danix)
13510	X06	25-8	1104	Mon	Mazielka. Sequence: 612534	USB	(PUK)
15656	X06	25-8	1240	Mon	Mazielka. Sequence: 364152	USB	(PUK)
16115	X06	25-8	1350	Mon	Mazielka. Sequence: 215346	USB	(PUK)
11153	X06	27-8	0842	Wed	Mazielka. Sequence: 465132 mixing with a CROWD-36 transmission	USB	(PUK)
16116	X06	27-8	0849	Wed	Mazielka. Sequence: 164253	USB	(PUK)
16116	X06	27-8	0854	Wed	Mazielka. Sequence: 134265	USB	(PUK)
14419	X06	28-8	0752	Thu	Mazielka. Sequence: 521634	USB	(PUK)
9106	X06	28-8	1513	Thu	Mazielka. Sequence: 564213	USB	(PUK)
14863	X06	29-8	0958	Fri	Mazielka. Sequence: 615243	USB	(PUK)
16190	X06c	4-8	0703	Mon	Mazielka. Sequence: 123456. Very long transmission. Ends at 0941 UTC	AM	(AB/Danix/EW)
18260	X06c	4-8	0908	Mon	Mazielka. Sequence: 123456	AM	(Danix)
10868	XPA	2-8	0600	Sat	msg	USB	(HFD)
12168	XPA	2-8	0620	Sat	msg	MFSK-20/10Bd	(HFD)
12168	XPA	2-8	0620	Sat	813 813 813 000 01554 00001 00000	MFSK-20/10Bd	(AB)
13368	XPA	2-8	0640	Sat	813 813 813 000 01554 00001 00000	MFSK-20/10Bd	(AB)
13368	XPA	2-8	0640	Sat	msg	MFSK-20/10Bd	(HFD)
10868	XPA	9-8	0600	Sat	813 813 813 000 07724 00001 00000 10140	MFSK-20/10Bd	(AB)
12168	XPA	9-8	0620	Sat	813 813 813 000 07724 00001 00000 10140	MFSK-20/10Bd	(AB)
13368	XPA	9-8	0640	Sat	813 813 813 000 07724 00001 00000 10140	MFSK-20/10Bd	(AB)
12187	XPA	12-8	1730	Tue	173 1 02221 00191 15484 ... 97292 50517 03202	MFSK-20/10Bd	(AB)
12187	XPA	12-8	1730	Tue	msg	MFSK-20/10Bd	(HFD)
10787	XPA	12-8	1750	Tue	msg	MFSK-20/10Bd	(HFD)
10787	XPA	12-8	1750	Tue	173 1 02221 00191 15484 ... 97292 50517 03202	MFSK-20/10Bd	(AB)
9387	XPA	12-8	1810	Tue	msg	MFSK-20/10Bd	(HFD)
10868	XPA	13-8	0600	Wed	813 813 813 1 00924 00227 27142 41293	MFSK-20/10/10Bd	(PPA)
12187	XPA	14-8	1730	Thu	173 1 02221 00191 15484 ... 97292 50517 03202	MFSK-20/10Bd	(AB)
10787	XPA	14-8	1750	Thu	173 1 02221 00191 15484 ... 97292 50517 03202	MFSK-20/10Bd	(AB)
10787	XPA	19-8	1750	Tue	173 1 02221 00191 15484 ... 97292 50517 03202	MFSK-20/10Bd	(SP1)
10868	XPA	20-8	0600	Wed	813 813 813 000 02046 00001 00000 10140	MFSK-20/10Bd	(AB)
12168	XPA	20-8	0620	Wed	813 813 813 000 02046 00001 00000 10140	MFSK-20/10Bd	(AB)
13368	XPA	20-8	0640	Wed	813 813 813 000 02046 00001 00000 10140	MFSK-20/10Bd	(AB)
10868	XPA	27-8	0600	Wed	813 813 813 000 08087 00001 00000 10140	MFSK-20/10Bd	(AB)
12168	XPA	27-8	0620	Wed	813 813 813 000 08087 00001 00000 10140	MFSK-20/10Bd	(AB)
13368	XPA	27-8	0640	Wed	813 813 813 000 08087 00001 00000 10140	MFSK-20/10Bd	(AB)
10787	XPA	28-8	1750	Thu	07099 00001 00000 10140	MFSK-20/10Bd	(MPJ)
20918	XPA2	1-8	0700	Fri	07194 00001 00000 10140	MFSK-16/20Bd	(AB)
16318	XPA2	1-8	0740	Fri	07194 00001 00000 10140	MFSK-16/20Bd	(AB)
16167	XPA2	2-8	1900	Sat	msg	MFSK-16/20Bd	(HFD)
14663	XPA2	2-8	1920	Sat	msg	MFSK-16/20Bd	(HFD)
13923	XPA2	2-8	1940	Thu	msg	MFSK-16/20Bd	(HFD)
12138	XPA2	3-8	2140	Sun	09179 00001 00000 10140	MFSK-16/20Bd	(Dan)
21918	XPA2	8-8	0700	Fri	7114 0 00000 00030	MFSK-16/20Bd	(AB)
16318	XPA2	8-8	0740	Fri	7114 0 00000 00030	MFSK-16/20Bd	(AB)
14738	XPA2	10-8	2000	Sun	09142 00077 18586 ... 43890 07698 00641	MFSK-16/20Bd	(MCO)
21918	XPA2	12-8	0700	Tue	00571 00085 88548 ... 26026 53750 47244	MFSK-16/20Bd	(AB)
16318	XPA2	12-8	0740	Tue	00571 00085 88548 ... 26026 53750 47244	MFSK-16/20Bd	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	Contributor
14828	XPA2	12-8	0941	Tue	polytones encrypted	MFSK-16/20Bd	(AAI)
21918	XPA2	15-8	0700	Fri	07203 00001 00000 10140	MFSK-16/20Bd	(AB)
13923	XPA2	15-8	1940	Fri	03724 00089 89506 … 00812 86811 50111	MFSK-16/20Bd	(AB)
14738	XPA2	17-8	2000	Sun	Message	MFSK-16/20Bd	(CS)
21918	XPA2	19-8	0700	Tue	07203 00001 00000 10140	MFSK-16/20Bd	(AB)
21918	XPA2	19-8	0700	Tue	msg	MFSK-16/20Bd	(HFD)
16318	XPA2	19-8	0740	Tue	msg	MFSK-16/20Bd	(HFD)
16318	XPA2	19-8	0740	Tue	07203 00001 00000 10140	MFSK-16/20Bd	(AB)
16314	XPA2	19-8	1900	Tue	00782 00000 00000 00030	MFSK-16/20Bd	(MPJ)
15814	XPA2	19-8	1920	Tue	01782 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14514	XPA2	19-8	1940	Tue	01782 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14738	XPA2	19-8	2000	Tue	04366 00001 00000 10140	MFSK-16/20Bd	(MPJ)
12138	XPA2	19-8	2040	Tue	04366 00000 00013	MFSK-16/20Bd	(AB)
16314	XPA2	21-8	1900	Thu	01476 00001 00000 10140	MFSK-16/20Bd	(MPJ)
15814	XPA2	21-8	1920	Thu	01476 00001 00000 10140	MFSK-16/20Bd	(MPJ)
21918	XPA2	22-8	0700	Fri	07203 00001 00000 10140	MFSK-16/20Bd	(AB)
16318	XPA2	22-8	0740	Fri	07203 00001 00000 10140	MFSK-16/20Bd	(AB)
16167	XPA2	22-8	1900	Fri	01269 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14663	XPA2	22-8	1920	Fri	01269 00001 00000 10140	MFSK-16/20Bd	(MPJ)
13923	XPA2	22-8	1940	Fri	01269 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14738	XPA2	24-8	2000	Sun	02790 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
13438	XPA2	24-8	2020	Sun	02790 00001 00000 10140	MFSK-16/20Bd	(AB)
12138	XPA2	24-8	2040	Sun	02790 00001 00000 10140	MFSK-16/20Bd	(AB)
21918	XPA2	26-8	0700	Tue	00344 00113 75470 … 60066 02845 24734	MFSK-16/20Bd	(AB)
20018	XPA2	26-8	0720	Tue	00344 00113 75470 … 60066 02845 24734	MFSK-16/20Bd	(AB)
16318	XPA2	26-8	0740	Tue	00344 00113 75470 … 60066 02845 24734	MFSK-16/20Bd	(AB)
16314	XPA2	26-8	1900	Tue	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(MPJ)
15814	XPA2	26-8	1920	Tue	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(MPJ)
14514	XPA2	26-8	1940	Tue	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(MPJ/AB)
16314	XPA2	28-8	1900	Thu	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(MPJ)
15814	XPA2	28-8	1920	Thu	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(AB/MPJ)
14514	XPA2	28-8	1940	Thu	00337 00217 29889 … 35391 23929 04632	MFSK-16/20Bd	(MPJ)
21918	XPA2	29-8	0700	Fri	03364 00001 00000 10140	MFSK-16/20Bd	(AB)
20018	XPA2	29-8	0720	Fri	03364 00001 00000 10140	MFSK-16/20Bd	(AB)
16167	XPA2	29-8	1900	Fri	08617 00001 00000 10140	MFSK-16/20Bd	(MPJ)
13923	XPA2	29-8	1940	Fri	08617 00001 00000 10140	MFSK-16/20Bd	(MPJ)
14738	XPA2	31-8	2000	Sun	96-group message: 00640 00093 31868 89452 … 31615 … 21665 22122 29676 19298 67170	MFSK-16/20Bd	(MPJ)

V02a, M08a and HM01 schedules
UDXF / Numbers & Oddities
Revision date: 31 August 2014

UDXF: www.udxf.nl
Numbers & Oddities: www.numbersoddities.nl

UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC
0000								0000
0100							9040	0100
0200							9040	0200
0300								0300
0400								0400
0500	5855 1)	5855 1)	14375 1)	5855	14375 1)	5855 1)	14375 1)	0500
0600	10345	10345	14375	10345	14375	10345	14375	0600
0700	9330	9330	13435	9330	13435	9330	13435	0700
0800	9065	9065	11635	9065	11635	9065	11635	0800
0900	9240	9240	11462	9240	11642	9240	11642	0900
1000	5855	5855	12180	5855	12180	5855	12180	1000
	9155	9155	11635	9155	11635	9155	11635	
1100								1100
1200								1200
1300								1300
1400	8096	8096	8096	8096	8096	8096	8096	1400
1500								1500
1600	11435	11435	11435	11435	11435	11435	11435	1600
1700	11530	11530	11530	11530	11530	11530	11530	1700
1800	11635	11635	11635	11635	11635	11635	11635	1800
1900								1900
2000	7554	7554	7554	7554	7554	7554	7554	2000
2100	11635	11635	16180	11635	16180	11635	16180	2100
2200	10715	10715	17480	10715	17480	10715	17480	2200
2300	8135	8009	8135	8009	8135	8135	8009	2300
UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC

1) Also heard on 11462 kHz, sometimes on both frequencies

Note: V02a is seldom heard but appeared recently on 9040 kHz

CONTRIBUTORS

AAI	Antonio Anselmi, Italy		JPL	JPL, Ontario, Canada
AB	Ary Boender, Netherlands		JPL-FNL	JPL via remote rx Finland
AB-HK	Ary Boender via remote rx Hong Kong		JPL-Sib	JPL via remote rx Siberia
AB-SIB	Ary Boender via remote rx Siberia		JU	Jay Updike, W. Europe
ADS	Ashley Dugan, OK, USA		KC2TTK	KC2TTK, NY, USA
AnEur	Anonymous Europe		LG2	Les G, UK
Arg	Argonn		linkz	Linkz, S.E. France
Avare	Avare		Mar	Marrianne
BCI	Bruno Casula, Italy		MCO	Mike Chace-Ortiz, PA, USA
Brit	Britzel		MF2	Martin Foltz, CA, USA
CS	Chris Smolinksi, USA		MPJ	Jim, SW England
Dan	Daniel, Argentina		MSM	Maciej, Poland
Danix	Danix111, Poland		NC	Nick Carrigan, WA, USA
Dev	Devoider		PPA	Peter Poelstra, Netherlands
DJPr	DJpeter via Radioscanner/Priyom		PUK	Peter, UK (via Enigma 2000)
DM0551	Dave moonlight0551, Sydney, Australia		Rap	Raptor
DM-HOL	Dave moonlight0551, via remote rx Netherlands		SFNY	Shawn, Flushing, NY, USA
DSch	Don Schimmel, USA		SP1	Sylvain, France
Eric	Eric		Token	T!, CA, USA
EW	Eddy Waters, Australia		Tom	Tom, Lincs, UK
Faux	Faux, Ireland		Topol	Tony, UK
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Relevant mailing lists:

Utility DXers Forum (utility and spooks related logs)
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Website: http://www.udxf.nl

Spooks (spooks related info and logs)
Go to the web interface http://mailman.qth.net/mailman/listinfo/spooks to subscribe. Fill in the form and follow the instructions that will be mailed to you.

HF Underground (radio related including numbers stations)
Forum: http://www.hfunderground.com/board/