

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 670 | 27364 | 92836 | 09428 | 61208 | 74982 | 36498 | 32764 | 81276 | 01 |
| 4986 | 40932 | 70987 | 32123 | 49817 | 26346 | 81287 | 65491 | 87364 | 81 |
| 721 | 75654 | 55656 | 12737 | 72727 | 72727 | 91918 | 63473 | 67867 | 76 |
| 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 | 59 |
| 58 | 63298 | 75698 | 27465 | 87326 | 49876 | 28376 | 81273 | 98615 | 62 |
| 667 | 87432 | 74328 | 78674 | 29867 | 32867 | 67867 | 86786 | 43286 | 432 |
| 667 | 68768 | 68763 | 34234 | 34238 | 68768 | 62342 | 48273 | 48768 | 234 |
| 936 | 98432 | 32432 | 86743 | 43286 | 43286 | 43286 | 43286 | 43286 | 432 |
| 743 | 86743 | 86743 | 39867 | 32867 | 86743 | 43286 | 43286 | 43243 | 867 |
| 741 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 435 |
| 543 | 98798 | 98754 | 98754 | 98754 | 98754 | 29867 | 67543 | 67986 | 867 |
| 76 | 87698 | 69876 | 87698 | 69876 | 87612 | 12341 | 34867 | 86798 | 632 |
| 867 | 43298 | 65656 | 56756 | 56123 | 32143 | 14321 | 32143 | 14321 | 321 |
| 71 | 02787 | 58765 | 76587 | 58765 | 76587 | 58765 | 76587 | 58756 | 765 |
| 75476 | 76543 | 54365 | 36543 | 54365 | 36543 | 54365 | 36543 | 54365 | 543 |

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #236, May 2017

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

Hey and welcome to the 236th edition of Numbers & Oddities. A bit late because I was enjoying my vacation.



1 May marks the 18th birthday of the N&O website that started on Geocities on 1 May 1999. The second edition of the website, a month later, already looked a lot better. Below a picture of the very first one. I never made a website before so it was very basic and included only a couple of links and the N&O columns. The reason why the website was created was simple. N&O was a column published in the monthly bulletin of the Worldwide Ute News club back then and I received quite some requests from non-WUN members to make N&O also available for number stations monitors outside WUN. At first I mailed them the column but I thought that it would be more convenient to put them online.

The Numbers & Oddities home page

click on the following links to enter the WUNderful world of utility radio



Worldwide Utility News

European Utility Newsletter - EUNL

The Spooks Newsletter



Numbers & Oddities # 00A

Numbers & Oddities # 00B

Numbers & Oddities # 00C

Numbers & Oddities # 00D

Numbers & Oddities # 01

Numbers & Oddities # 02

Numbers & Oddities # 03

Numbers & Oddities # 04

Numbers & Oddities # 05

Numbers & Oddities # 06

Numbers & Oddities # 07

Numbers & Oddities # 08

Numbers & Oddities # 09

Numbers & Oddities # 10

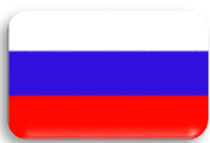
Numbers & Oddities # 11

Numbers & Oddities # 12

Numbers & Oddities # 13



VOICE STATIONS



E06

16030/13489 kHz, 03-05, 1600/1700 UTC

216 483 57

14531 48573 44157 99858 46786 46109 04064 15105 74524 07081
44048 09321 10348 76209 71296 11289 37392 40344 50879 75538
49190 46515 89805 71360 38458 64627 44214 87535 64497 43215
91905 63720 53896 31700 37386 84441 14221 67593 41628 96615
65379 52075 93710 36545 18354 62392 66561 77325 55978 74507
23946 32597 95457 94436 70935 77586 37311
483 57 00000

14565/16125 kHz, 04-05/05-05, 0500/0600 UTC

460 981 52

10273 40571 13449 82043 57494 79420 48639 98946 27926 66885
91318 83167 23360 16793 09917 48313 44144 67381 53116 00272
07095 14616 35196 57686 16631 11625 51948 25264 00073 88931
00588 87104 43035 75172 02112 12239 85858 23000 49538 89556
67010 69838 30457 34318 24394 88197 97331 33441 90513 05223
84006 21733
981 52 00000

5933 kHz, 04-05, 2030 UTC

724 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832
74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
84538 85937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85914 38539 34752 75392 83482 75637 73892 95736 64612
84759 76491
273 62 00000

5733 kHz, 05-05, 2130 UTC

315 289 54

12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000

14565/16125 kHz, 18-05/19-05, 0500/0600 UTC

460 792 51

64608 29292 46308 62837 45673 96930 52219 11801 90933 45496
01581 67353 92812 77312 82061 23139 70566 19893 62352 53241
22821 82351 42984 10100 35667 89653 96314 68174 19767 61880
31612 93110 74896 30701 46165 41068 05372 10245 48383 17923
34784 64545 63786 53014 93500 38764 59857 67134 77342 46367
50675
792 51 00000

5731 kHz, 19-05, 2130 UTC

315 746 68

73631 85189 12389 18926 97147 35942 89458 71126 82354 61326
53874 57126 97347 12835 68458 32538 58128 32469 65914 39726
24673 25847 36895 84370 98356 98284 32878 94676 87128 37451
62367 43674 53297 26589 43896 42897 16317 36837 54651 26753
67458 37165 69126 98469 21693 26547 13287 45681 56645 87248
71694 36916 89596 47375 26356 32437 54564 75328 74326 49619
75687 21283 74554 36815 43287 54187 54387 12845
746 68 00000



E06b

10755 kHz, 10-05, 1900 UTC

975 975 975 34301



E07

18659/17459/16159 kHz, 05-05, 1100/1120/1140 UTC

641 641 641 1 9868 72 9868 72

78171 44003 59323 35302 31280 05259 99288 50944 77570 22063
79902 38141 62706 77446 07628 21476 05672 66089 16876 31944
49378 64341 68261 00403 08489 40163 88262 09258 99867 54537
83719 09635 46287 36487 66252 88325 09097 50279 03032 67748
63088 27552 46437 52707 00185 55762 70045 20279 30443 72135
09826 00244 26343 62745 89232 90418 41188 06342 94563 81467
01599 51404 96921 08230 06545 41182 94461 84420 42055 92726
10380 57216
000 000

14763/13363/12163 kHz, 21-05/24-05, 1700/1720/1740 UTC

731 731 731 1 803 65 803 65

69267 75900 49074 30603 16372 89283 36131 69828 18388 96848
66709 75318 34025 83694 95254 14784 23159 09134 30137 29276
28729 74805 53755 76142 70126 03227 64988 14258 44435 51442
00096 13772 56778 54521 56191 80941 54131 91622 40054 11480
53450 60706 68580 04367 77440 31563 42076 00372 06596 96967
73527 62877 52231 46263 67996 30634 45394 88481 13010 86815
00424 38840 70770 34791 93386
000 000

19659/17459/16159 kHz, 23-05/26-05, 1100/1120/1140 UTC

641 641 641 1 6461 121 6461 121
25554 98851 68004 12741 82498 31581 03933 13958 82510 10292
62091 07765 81300 24200 27598 69836 00073 48080 07591 78916
11787 08880 25554 94392 19494 19148 47687 35796 41274 17225
84908 27173 47813 42753 66977 14421 64305 33449 67348 78369
82316 08192 87980 79458 83118 53898 47420 86877 63742 35209
90818 17766 41450 51508 27538 04158 09890 11274 01813 30250
00292 04995 61503 10069 46647 67031 53654 78994 44615 30574
92392 36829 09972 20046 04113 10175 55902 09946 91229 95900
89595 01535 70404 96796 13318 34450 32152 16403 06224 70325
48818 29517 00239 86823 59576 48459 56635 31608 41329 80397
81211 01704 46741 30924 05063 05741 89319 90814 98077 58310
74062 67506 87496 87732 74550 65045 50223 85139 36868 20319
07875
000 000

11539/19547/9388 kHz, 25-05, 2010/2030/2050 UTC, partly unreadable)

553 553 553 1 915 57 915 57
38257 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx x5453
54501 15158 79781 53428 20267 32669 06111 56658 73595 81436
44495 78834 08491 29631 17194 77973 74599 85627 56964 32132
32014 26168 29881 56720 24765 95699 73767 58462 68648 72898
19562 29855 99877 91942 43243 32996 71929 44995 16354 45204
98920 51184 20752 98256 81652 04184 30834
000 000



E07a

12166/10766/ 9266 kHz, 03-05, 2000/2020/2040 UTC

172 172 172 1 33420 928 49 928 49
82616 15473 00498 61918 65505 95754 09418 23550 00401 38339
27305 93615 91570 12607 83842 79411 86654 30405 98310 77662
24127 89110 68809 90314 36459 07467 41718 88858 43816 54492
11054 49107 63750 70454 14465 36697 62316 74507 49587 30401
41970 78124 79182 72308 61105 40110 80388 83504 80775
000 000

7933/ 9133/10233 kHz, 04-05, 0430/0450/0510 UTC

912 912 912 1 33420 928 49 928 49
82616 15473 00498 61918 65505 95754 09418 23550 00401 38339
27305 93615 91570 12607 83842 79411 86654 30405 98310 77662
24127 89110 68809 90314 36459 07467 41718 88858 43816 54492
11054 49107 63750 70454 14465 36697 62316 74507 49587 30401
41970 78124 79182 72308 61105 40110 80388 83504 80775
000 000

10766 kHz, 24-05, 2020 UTC

172 172 172 1 66168 4145 54 4145 54
94955 66951 44164 44164 90246 99800 55141 47599 62544 94690
02904 46496 49911 98608 69896 05049 49502 04608 25055 58054
59889 07625 96209 66180 66105 56479 67679 77404 59447 62866
56874 90640 66996 94117 74045 62747 82468 42702 96606 48042
57670 50844 87572 75720 88471 58544 77549 50264 48474 54420
99204 84011 56165 44840
000 000

12166/10766/ 9266 kHz, 24-05/31-05, 2000/2020/2040 UTC

912 912 912 1 66168 3135 53 3153 53
92995 66951 33164 92246 91820 55141 37591 62533 93690 02924
36416 41411 98608 69816 05029 49502 04608 25055 58053 19889
07625 96201 66180 66105 56371 67679 77303 19447 62866 16874
90640 66116 14117 74035 62737 82368 42702 96606 38042 57670
50843 87572 75720 88371 58543 77549 50263 38374 54250 99204
83011 16165 34840
000 000



E11a

9610 kHz, 01-05, 0745 UTC / 10356 kHz, 04-05, 1530 UTC

269/38 Attention
79867 51422 25677 06540 54027 06406 14477 01027 17713 99224
58710 36586 05963 88667 26004 13266 32585 99329 03362 87046
80858 88910 95473 41877 39358 88369 78320 64841 65822 93311
02425 96190 46292 83201 52248 48506 67720 52833
Attention, rpt msg, out

13427 kHz, 01-05/03-05, 0900 UTC

538/40 Attention
54551 44819 44626 76776 77000 95581 80308 42726 31388 84463
38371 54374 71758 51067 30698 10461 88601 33692 67661 62092
14041 62842 15484 33529 17687 47856 51401 76107 51500 46447
25155 82401 75933 14950 79226 86445 34123 05256 10405 76644
Attention, rpt msg, out

4783 kHz, 02-05/07-05, 1605 UTC

231/35 Attention
38279 92202 61416 21816 89314 78396 34505 85708 43380 59449
23738 06727 53063 16189 25993 59363 60041 66019 35469 01556
96630 24931 27061 80610 31304 06579 96722 35348 01283 32588
93059 61790 01932 18627 40500
Attention, rpt msg, out

14940 kHz, 05-05/07-05, 1650 UTC

922/35 Attention
05583 15732 09971 29065 04007 32623 87185 28147 38508 87561
45510 73396 59875 60169 45148 40611 07309 28582 11369 31659
31789 88691 08222 37637 01935 81016 43673 80287 40474 34538
46376 12696 92491 62571 71242
Attention, rpt msg, out

10213 kHz, 08-05/12-05, 0600 UTC

188/32 Attention

65900 97689 46515 16583 86143 24056 73458 47697 33448 68350
75831 91829 87543 19981 60060 75143 49241 89322 77912 81283
20788 38532 09175 85980 69611 31746 10093 20568 51792 73755
93949 15500

Attention, rpt msg, out

13424 kHz, 09-05/11-05, 0645 UTC

511/37 Attention

24934 18914 77735 56653 18932 37051 99793 89780 45510 23805
76939 63517 14954 35615 71895 40065 93298 66332 72371 95212
79773 87662 68748 54204 20468 19038 59074 11741 70241 91679
95415 22901 94982 97484 69489 01689 85531

Attention, rpt msg, out

18168 kHz, 09-05/10-05, 0820 UTC

132/39 Attention

31840 08372 30730 68090 20084 53193 90241 03766 84450 84840
25314 49464 77383 83526 02196 98363 10286 39748 96920 77799
83420 17073 67974 06214 59417 46949 67441 94577 20782 94377
80879 27363 49385 09397 95340 87874 80616 63931 32826

Attention, rpt msg, out

12397 kHz, 09-05/12-05, 1000 UTC

305/33 Attention

04853 08092 47963 96030 48430 96057 58942 37797 79490 58397
23926 82031 26785 63520 12527 87602 09674 34956 55419 99776
36495 50124 52664 02029 17421 61527 39587 93510 31948 46807
48938 80855 90236

Attention, rpt msg, out

6304 kHz, 10-05/11-05, 0930 ITC

279/39 Attention

14046 44640 60971 23348 20130 87783 72043 25750 89966 23827
81813 11761 41735 09967 00138 63470 78406 67021 25222 28506
03312 69725 37749 27409 40109 94642 73729 18560 86971 30674
71504 69175 22947 71948 56150 16724 49588 97744 91691

Attention, rpt msg, out

10429 kHz, 16-05/19-05, 0710 UTC

635/32 Attention

43803 31970 78872 78144 75627 92068 52167 69895 85463 14251
22991 45061 22363 06852 12937 41238 62076 06659 42336 15570
03805 07095 73816 54608 86585 10341 71665 37289 43604 17140
97547 48361

Attention, rpt msg, out

11581 kHz, 16-05/18-05, 1925 UTC

522/32 Attention

84219 67110 88145 59888 67483 61889 53287 86599 79955 76229
54217 96924 68524 78289 87462 22826 67866 27949 18994 59669
70873 02149 72459 49795 36672 84980 16426 51475 67232 94350
67380 83063

Attention, rpt msg, out

8565 kHz, 17-05, 0315 UTC

256/32 Attention

53463 68558 45618 81484 71416 75285 29712 24413 33816 63337
02306 02995 85585 74406 46588 09565 41226 47236 04011 77765
49146 79338 62946 82568 68910 27601 57015 09420 19604 67629
37996 99905

Attention, rpt msg, out

8088 kHz, 18-05, 1730 UTC

415/39 Attention

93151 41933 41849 39553 82621 69555 61273 27166 46454 45426
42775 22554 91963 02366 83215 47235 35974 86723 03726 41740
53820 61925 38036 06785 92089 01364 15424 89386 49800 19926
77530 74802 17254 88805 84736 95147 52915 70878 54053

Attention, rpt msg, out

13537 kHz, 19-05, 1225 UTC

521/31 Attention

93254 71716 52164 84656 42924 97352 53997 08286 73236 37605
18358 90896 06217 40629 96144 27750 64949 14538 72351 65001
53448 32603 73201 32815 64751 23468 44539 61795 08965 60827
64839

Attention, rpt msg, out

14865 kHz, 13-05, 1705 UTC

393/33 Attention

96694 12368 67265 73079 58341 26490 44842 42294 89294 31960
59236 05943 42023 26152 95062 60130 44982 80041 26574 41325
72785 13294 49638 74875 71657 38585 21187 59179 76825 77020
17701 40237 96809

Attention, rpt msg, out

9130 kHz, 20-05, 2005 UTC

368/39 Attention

88854 81267 34650 78573 24667 22137 83548 83305 09168 28345
40905 52241 61623 16134 43649 32546 03042 73167 66592 08795
47271 38132 54229 47728 50747 70486 04441 92962 98410 95097
13715 94316 11592 50350 75843 70478 72010 21915 77385

Attention, rpt msg, out

8530 kHz, 26-05, 2000 UTC

575/34 Attention

52961 66877 41301 79828 97504 71751 57139 92311 80607 22984
82115 75885 99633 50198 12914 56728 68263 91310 82419 30914
93013 62139 20684 70567 82113 51259 56174 99410 55374 04596
17799 66821 43592 62529

Attention, rpt msg, out

7984 kHz, 27-05, 1730 UTC

402/37 Attention

52698 54728 98193 86482 25023 96517 23630 38806 09157 84942
37215 14822 23135 24464 15455 56587 37600 98469 17592 39906
57858 41585 58745 29382 29042 82020 20931 76660 74503 16528
52930 81043 86490 36482 37413 52905 72873

Attention, rpt msg, out

11581 kHz, 25-05, 1300 UTC

580/32 Attention

50027 87380 61554 72526 04584 11161 51825 95008 08055 45947

84655 70892 97466 55810 44782 46977 50842 80828 18015 09787

00993 04116 21808 91763 07652 28830 67596 06531 28136 44963

69676 80035

Attention, rpt msg, out



E17z

16780/12850 kHz, 04-05/11-05, 0800/0810 UTC

674 981 5 07931 98755 84636 45752 64655 981 5 00000

16780/12850 kHz, 18-05, 0800/0810 UTC

674 289 5 79961 04322 16527 38305 17303 289 5 00000



E25

6140 kHz, 07-05, 1033 UTC

Windows 7 sound followed by Enta Omri. No message sent

6140 kHz, 08-05, 1003 UTC

Windows 7 sound followed by

570 570 570 570 570 570 570 570 570

Message, messsage, message

3033 2023 6784 9624 5476 0806 8474 8341

Rebeat, rebeat, rebeat

3033 2023 6784 9624 5476 0806 8474 8341

End of message. End of transmission

6140 kHz, 11-05, 1113 UTC

880 880 880 880 880 880 880 880

Message, message, message

4510 6001 7892 2563 5575 6340 2475 3627 5144 4510

Rebeat, rebeat, rebeat

4510 6001 7892 2563 5575 6340 2475 3627 5144 4510

End of message. End of transmission

9550 kHz, 18-05, 1010 UTC: Test



G06

6887 kHz, 11-05/25-05, 1830 UTC

842 289 54
12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000

Note: same message as E06 on 5733 kHz, 05-05, 2130 UTC

5943 kHz, 12-05, 1929 UTC

111 111 1 then switches to 5938 kHz

5938 kHz, 12-05/26-05, 1931 UTC

218 289 54
12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000



S06

17475/14736 kHz, 04-05/05-05, 0830/0930 UTC

842 617 42
19063 30646 19660 43389 96169 59982 49715 32313 42910 48728
90821 35569 02014 29349 74424 30963 40411 01027 94056 49328
03062 17540 38518 09137 29731 90093 99745 24652 39679 28524
73596 73547 13114 69318 88698 34934 25501 63889 51579 33746
13003 25543
617 42 00000

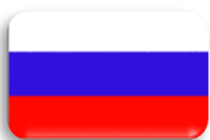
17475/14736 kHz, 11-05/12-05, 0830/0930 UTC

842 905 43
63056 18465 93811 68448 87993 26828 98053 21997 18511 98667
80385 83594 47581 06349 15104 62099 81375 65175 75977 87565
51197 11808 22060 09041 46210 86674 03516 92462 46663 18831
79659 79588 62288 36693 66380 93892 05560 53095 55163 04386
54504 98089 70861
905 43 00000

14736 kHz, 18-05, 0930 UTC

842 637 44

30330 97947 43911 67912 57874 77699 53124 67706 32835 69082
76024 27662 37508 05126 60543 76367 34548 72613 83161 83999
88668 39330 78861 80814 02890 54047 34846 94500 49029 17716
40214 67310 97109 49276 08785 38914 73388 94538 17247 05915
01683 51572 25832 93965
637 44 00000



S06c

6123//8171 kHz, 02-05, 0950 UTC 11625
6123//8171 kHz, 02-05, 1035 UTC 11625
6123//8171 kHz, 10-05, 0852 UTC 11625
6123//8171 kHz, 10-05, 0905 UTC 11625



S11a

8800 kHz, 05-05, 1020 UTC

425/35 Vnimanije

90023 36087 62184 54874 58980 42650 64180 58992 49103 48911
60892 61080 46451 18919 74884 18027 45449 06294 12240 15882
58518 70010 63424 41203 08719 62503 30244 83641 37327 41797
57046 10301 80995 61889 97302
Vnimanije, rpt msg, konets

11092 kHz, 10-05/13-05, 1540 UTC

560/39 Vnimanije

77942 17512 29682 96223 98794 05854 79810 09194 46356 31098
56178 92554 67124 94171 28731 42223 39609 67206 40541 24356
76273 72441 27274 84380 64131 90624 20768 67112 51864 06550
84428 59965 26146 52967 49097 57760 12226 86402 65580
Vnimanije, rpt msg, konets

5149 kHz, 16-05/19-05, 0455 UTC

329/33 Vnimanije

81273 78634 07866 44311 68995 13252 03585 09121 12662 34196
51834 37171 32467 61793 56544 37214 65614 71221 62328 81084
41218 96921 18875 40549 81798 63741 50793 09524 45224 06825
79195 07649 37201
Vnimanije, rpt msg, konets



S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

08-5, 0745 UTC ZhUOZ 35719 KANADSKIJ 36873723
 08-5, 1103 UTC ZhUOZ 97929 GLYeTOGRAB 21812574 Error (sboj) in reading
 08-5, 1144 UTC ZhUOZ 54984 ILOKYeDR 28570497
 08-5, 1237 UTC ZhUOZ 87269 VSTRYaSKA 00920552
 08-5, 1239 UTC ZhUOZ 53492 BYeLOShVYeJNYJ 11641964
 10-5, 1520 UTC Channels separation failure resulted in leaking signal to 4224 kHz
 18-5, 1551 UTC ZhUOZ 02823 KRYeOLKA 83471416 CW signal interference due to bad channel separation
 18-5, 1720 UTC ZhUOZ 34803 KORZhOVNUK 71949081 CW signal interference due to bad channel separation
 19-5, 1721 UTC Buzzer channel marker
 22-5, 1533 UTC ZhUOZ 80985 BUKSOPSIH xxxxx
 22-5, 1552 UTC ZhUOZ 52443 DOKOChaYeK 24056452



S30 - The Pip

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

3756 kHz, 02-5, 1847 UTC MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch
 3756 kHz, 09-5, 1745 UTC 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'
 5448 kHz, 18-5, 1717 UTC 8S1Shch 25588 KUSTOFARS 72588376. Time mark after the message
 5448 kHz, 19-5, 1706 UTC Pip channel marker, day freq
 3756 kHz, 19-5, 1734 UTC Pip channel marker, night freq



S32 - Squeaky Wheel

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

3828 kHz, 02-5, 1747 UTC STOROZh-62 YaHTA-94 RUZh'E-26 KOVBOJ-39 LANDYSh-74 KURGAN-40 NYeVKA-26 ZASLONKA-27
 3828 kHz, 07-5, 1842 UTC OTPOR-89 PYeSOChNYJ-21 ShULER-60 STUPA-32 L'DINA-38 BURKA-37
 3828 kHz, 09-5, 1937 UTC OTPOR-89 PYeSOChNYJ-21 ShULER-60 STUPA-32 RYeZINA-38 BURKA-37
 19-5, 1700 UTC Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz.
 3828 kHz, 19-5, 1914 UTC Squeaky Wheel channel marker, night freq



S4524

Frequency: 4524 kHz
Mode: USB

19-5, 1732 UTC Dash channel marker



S5292

Frequencies: 5252 kHz USB
Mode: USB

18-5, 0833 kHz 10-count
18-5, 0850 kHz 10-count
19-5, 1723 kHz Channel marker D



S6360

Frequencies: 4224 & 6360 kHz USB
Mode: USB

6360 kHz, 07-5, 1627 UTC Channel marker
4224 kHz, 10-5, 1519 UTC 10-count
6360 kHz, 19-5, 1724 UTC Channel marker



V07

13582/12182/11182 kHz, 07-05, 0500/0520/0540UTC

511 511 511 505 45 505 45
92338 57150 96224 85206 24844 94208 70689 43721 97617 63982
61039 50884 96208 21969 64086 36265 47906 21231 16620 67714
88?45 69373 55871 89117 60337 06802 87868 18375 321?4 60334
59372 35111 63370 42972 ?4213 39127 90964 70253 52595 67898
88619 7?549 58299 86666 57718
000 000



V28

3272 kHz, 18-05, 0937 UTC Messages in Korean
3277 kHz, 21-05, 0938 UTC Messages in Korean
3277 kHz, 21-05, 1035 UTC Messages in Korean
3277 kHz, 22-05, 0937 UTC Messages in Korean

MORSE STATIONS



M01

5280 kHz, 04-05, 1800 UTC. Many errors. Different repeats are between brackets.

025 651 651 30 30
32611 73694 42829 59443 15797 58901 81322 07109 6564 (6554) 4032 (47834)
02960 27537 72042 8784 (87824) 494 (44949) 79402 99577 02579 (2579) 98399 (9399)
7389 91719 (9179) 55945 04888 (0488) 78527 32796 7822 (78) 8758 (8750) 46885 7990
651 651 30 30 000

4905 kHz, 04-05, 2000 UTC

025 025 ... Stops and recommences: 015 015 156 156 30 30 = = =
76161 11409 89945 92885 57385 27280 24767 17650 36182 53778
69158 48840 52270 88844 03331 90586 02013 99454 25293 35176
19295 58711 79619 27724 4268 (420) 6630 11183 79988 23110 36706
156 156 30 30 000

6780 kHz, 07-05, 0700 UTC

025 365 365 30 30 = =
08756 48734 32289 08439 65794 83431 42485 27625 43103 15740
85646 14783 51064 37311 69552 94656 10901 43769 25710 50010
85072 46531 14259 68656 84899 86305 23609 58642 72576 11926
= = 365 365 30 30 000

6435 kHz, 13-05, 1500 UTC

025 483 483 30 30 =
75574 28091 33112 70697 61184 84678 56860 84120 95249 51756
39536 00018 25463 67516 28756 59421 39428 45223 74550 06857
90282 65896 90851 48722 65524 44055 66328 12050 69406 57165
483 483 30 30 000

6780 kHz, 14-05, 0700 UTC

025 367 367 30 30 = =
94117 78963 45246 80867 80932 00111 06010 44091 95929 89747
32478 45423 61376 55157 24919 27639 12031 63967 04179 32592
39346 27929 98293 97609 70055 29505 50704 90862 02206 52281
= = 367 367 30 30 000

Running the groups together (no pause between the groups and repeats) and various errors

5280 kHz, 16-05, 1800 UTC. Message as sent:

025 091 191 30 30 = =
33855 33855 40544 40544 54900 54900 30165 30165 62929 62929
61752 61752 35771* 45157 45157 47816 47816 8189 81886 77352
735930 9360 7169 7169 44943 4943 09692 09692 82317 82317
09507 09507 34865 4865 4992 49902 17042 102 979 90069
02724 02724 62931 6293 11104 1104 516 5161 93 04
98304 02710 02710 30437 30437 81802 81802 86318 86318 =
191 11 30 30 000

* Not repeated

4905 kHz, 18-05, 1800 UTC

025 987 987 30 30 =
35512 06217 06497 30025 02012 10329 77693 29738 60021 65312
17639 51458 10004 95847 51285 *86467 31894 38290 23146 71923
64571 34797 86674 20852 93646 50405 66009 64621 47766 00482
987 987 30 30 000

? Five dashes sent.

* Repeat 86476.

6435 kHz, 20-05, 1500 UTC

025 167 167 30 30 =
80834 00093 07487 09425 10002 33756 64007 58603 75433 01552
00319 37850 75745 77160 76235 48220 71248 13225 01307 87180
29441 15188 71662 11746 69194 62523 83847 91559 06875 66603
167 167 30 30 000



M01b

5125/5735 kHz, 01-05, 1810 UTC

364 329 32 =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303 =
329 32 000

5150/5475 kHz, 01-05, 1915 UTC

858 329 32 =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303 =
329 32 000

5065//5805 kHz, 04-05/11-05, 1942 UTC

936 329 329 32 32 = =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303 =
329 32 000

5095//5760 kHz, 04-05/11-05, 1832 UTC

815 329 329 32 32 = =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303 =
329 32 000

5075//5465 kHz, 05-05, 1902 UTC

336 329 329 32 32 = =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303 =
329 32 000

6435 kHz, 06-05, 1500 UTC

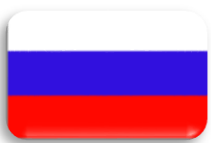
025 453 453 30 30 =
98201 82467 10469 22020 11871 85256 20496 41334 49179 39265
39708 34370 03608 71723 54067 47167 25983 72608 25319 33633
81980 64786 28911 24774 32849 92072 17073 15319 88230 62394
453 453 30 30 000

5095//5760 kHz, 18-05, 1831 UTC

815 329 32 =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303
329 32 000

5065//5805 kHz, 18-05, 1940 UTC

936 329 32 =
68720 69165 38155 14045 47379 93623 56588 95419 16264 03444
43296 92900 96825 87200 12032 15575 71243 63812 84062 66633
48819 84887 10936 05128 45699 67896 38171 03881 04622 14884
27573 82303
329 32 000



M12

10250 kHz, 03-05, 1105 UTC

687 687 687 1 2615 28 2615 28
07138 53065 05539 32753 07981 31910 83440 67439 08402 88137
98317 38224 34867 70123 58353 23862 50540 99376 74295 50724
77801 14775 00699 38467 77465 16407 15514 82529
000 000

9176/7931/6904 kHz, 03-05, 1700/1720/1740 UTC

257 257 257 1 5006 101 5006 101
50093 75503 84415 91980 23777 37744 43211 87313 06651 15009
87328 33049 54109 23793 05868 85552 07423 42665 56569 11503
95466 26314 47161 43269 92987 71413 92471 11709 16616 73724
80808 90319 40156 00104 37161 53745 47507 49295 05556 01489
13023 62648 50830 05182 83554 66620 25770 12712 76442 99640
49702 43532 87719 52561 94157 05512 21120 79263 77308 62097
28017 05782 54202 79247 44800 14337 19982 32215 58435 17465
10251 28122 82650 49383 84524 93337 73972 90903 34872 32592
72441 05384 72905 25026 56951 50253 14758 28813 03297 56678
22355 21709 04730 06389 75237 82968 09153 01076 66242 65261
79042
000 000

13926/12126/10926 kHz, 04-05/06-05, 1310/130/1350 UTC

919 919 919 1 3885 51 3885 51
71072 36912 69353 26577 44394 67151 07087 15199 65042 99767
28038 34030 34855 23439 20517 92016 63864 78879 56259 10418
32052 13120 56907 97642 47677 55855 73746 48257 75713 73556
29090 40587 05106 90695 38538 42366 18025 39715 61349 01860
74421 86587 10790 39917 45671 23505 54850 45898 52658 37087
37661
000 000

9167/10267/11567 kHz, 06-05, 0500/0520/0540 UTC

125 125 125 1 6192 85 6192 85
40574 68707 07577 40161 86900 77137 18614 79782 37697 81547
33053 82949 91850 78941 10978 25169 81439 90693 92710 28161
31353 45082 03508 84832 76950 14353 48770 55032 26173 60271
93627 56425 24962 84786 59227 66157 24939 09476 51100 93714
29014 13377 79320 04858 58323 62260 61425 44798 43191 79879
66451 08497 88642 56189 96986 84245 71941 59316 16706 70306
80100 48519 42311 93911 75147 18032 34587 37495 83128 64103
65885 40849 23053 81038 38059 40569 28583 61161 54040 50040
86090 35852 33157 83612 74487
000 000

17451/15951/14451 kHz, 08-05/10-05, 1400/1420/1440 UTC

494 494 494 1 5620 85 5620 85
94934 13361 33361 75789 67988 76860 67457 60379 04078 66263
72175 94975 97090 19955 56011 38834 16229 17317 75600 09819
79296 86667 74864 09429 72357 92800 79708 45382 14613 95157
98344 83188 02109 79522 67036 27682 09603 99479 63352 72125
57500 53375 02349 66251 42422 67986 44706 81380 43376 92594
70977 41443 05097 15761 23695 25619 57681 72613 86558 86511
91009 16048 23467 83175 41942 17950 29688 37356 61186 58618
86270 36090 43138 30635 36216 51508 67699 49395 43156 71192
74350 94397 52859 47914 52110
000 000

6904 kHz, 08-05, 1740 UTC

257 257 257 1 1000 108 1000 108
72948 21677 53975 53146 50019 30896 95112 77659 92337 82091
71463 41044 71069 94480 53467 15730 96686 38876 65510 86903
61267 73135 97790 05051 41095 18534 40439 39409 37242 57678
15129 39498 25001 10462 46665 57374 80963 26071 32886 03383
84261 33662 41481 69396 13101 16834 54412 30502 83810 32529
28742 37705 92447 67392 55113 38642 05803 71939 58674 84019
40992 94136 89833 63786 45627 47184 95680 35938 58556 95270
47164 21607 05427 88411 11669 49552 35409 62466 52877 97552
81553 46758 79704 40614 88546 62815 11990 75800 98295 34381
25536 05897 62270 11161 68613 78914 26036 25583 64484 25008
41635 26889 16236 37567 38450 36381 44921 40152
000 000

9241/7541/6841 kHz, 10-05, 2100/2120/2140 UTC

258 258 258 1 6192 85 6192 85
40574 68707 07577 40161 86900 77137 18614 79782 37697 81547
33053 82949 91850 78941 10978 25169 81439 90693 92710 28161
31353 45082 03508 84832 76950 14353 48770 55032 26173 60271
93627 56425 24962 84786 59227 66157 24939 09476 51100 93714
29014 13377 79320 04858 58323 62260 61425 44798 43191 79879
66451 08497 88642 56189 96986 84245 71941 59316 16706 70306
80100 48519 42311 93911 75147 18032 34587 37495 83128 64103
65885 40849 23053 81038 38059 40569 28583 61161 54040 50040
86090 35852 33157 83612 74487
000 000

**M14****5825 kHz, 01-05, 0000 UTC**

376 184 184 59 59
13253 26472 48950 52141 08745 63532 21745 53413 96423 84276
24132 68321 07621 31242 74629 73241 96313 45261 76498 51823
23456 73192 42613 53804 61235 62897 41324 89376 53421 06213
01834 63505 32676 38101 78365 23609 56782 25301 79178 54305
41326 98635 27467 08531 34245 87625 45631 36782 25314 10250
73414 53212 07642 46263 34127 09751 49653 12311 84502
184 184 59 59 00000

5360 kHz, 02-05, 1600 UTC

273 158 158 80 80
45558 16729 34149 24079 17955 65885 65071 03286 72272 98075
14132 03009 11383 27760 51045 70108 83007 26133 81129 78438
05699 18697 49123 58479 47891 87089 63195 63242 04794 80386
60561 62043 16030 12554 20297 45399 91159 32873 85566 53030
60400 27179 81660 91245 47925 75791 01094 65764 83483 50147
04337 11920 67757 25875 93281 82487 46648 49644 96955 04123
23512 89908 53727 87665 69386 77855 63929 19186 29241 00736
79294 81469 05401 95320 82409 51350 17341 16746 14526 53106
158 158 80 80 00000

9371 kHz, 03-05, 0500 ITC

975 621 621 50 50 = =
34061 26056 03388 18369 67520 72713 61917 79300 24065 67108
53478 41205 84836 81034 42494 28415 57614 58930 53859 53956
25271 78902 71837 82769 05654 70887 24599 23163 52579 40373
96591 57418 52632 71129 35938 47501 97444 05377 49026 76797
36157 24834 99507 13835 37745 81085 53872 08903 17888 48698
= = 621 621 50 50 00000

7540 kHz, 04-05, 0900 UTC

617 536 536 30 30 =
13245 75648 35421 74653 83726 93724 27635 18727 92754* 16243
92163 28435 72514 28364 38461 93672 18526 36251 27354 82743
26352 17852 53427 93764 96536 28746 18362 47635 83652 18927
536 536 30 30 00000

* Repeat: 82754.

5442/5560 kHz, 06-05, 0800/0900 UTC

171 241 241 40 40 =
34526 36452 73654 83654 92635 32413 26478 15236 83764 91724
17236 92783 47536 29167 81724 73564 17625 36452 17625 83746
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726
241 241 40 40 00000

5243 kHz, 07-05, 2300 UTC / 5825 kHz, 08-05, 0000 UTC

376 241 241 40 40
34526 36452 73654 83654 92635 32413 26478 15236 83754 91724
17236 92783 47536 29167 81724 73564 17625 36452 17625 83746
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726
= = 241 241 40 40 00000

6856 kHz, 09-05, 1820 UTC

163 241 241 40 40 = =
34526 36452 73654 83654 92635 32413 26478 15236 83764 91724
17236 92783 47536 29167 81724 73564 17625 36452 17625 83746
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726
= = 241 241 40 40 00000

5943 kHz, 10-05, 1720 UTC

417 021 021 77 77
04593 78423 10208 86750 01137 10711 23454 39677 79338 07837
96472 24186 09771 93346 88185 52202 77296 56829 32138 40065
89500 97627 38191 27402 58272 37608 55660 33710 75915 84363
71641 45639 39187 83899 53143 99163 87671 32829 20746 46138
32552 23454 22365 14469 42916 39777 59947 52165 11371 41216
89876 41279 51517 68368 46340 84547 95387 17931 36386 69850
57718 20430 74031 00355 80190 94259 41051 57837 12411 52768
31732 43078 97059 94397 70557 13196 84541
021 021 77 77 00000

7540 kHz, 11-05, 0900 UTC

617 736 736 30 30 =
35241 26534 87635 28763 16253 93654 16243 26534 82635 16524
92763 17625 37652 17652 34251 83764 62534 65342 91672 36452
73654 12431 92637 53627 82341 83764 27352 18625 73654 18263
736 736 30 30 00000

18041 kHz, 12-05, 0500 UTC

952 747 747 60 60 = =
59138 20118 99262 86549 06651 81730 34886 39006 23981 59142
53410 77113 82884 00087 13202 66172 52422 37627 93427 46232
28904 08663 30313 32082 29610 91271 47627 84436 42469 21846
86096 75751 48877 77947 61430 99104 61851 37822 05650 93578
46701 52509 71401 84586 16413 91497 03949 62581 18918 47841
10524 48569 58451 13689 81738 19892 18179 62167 44720 94690
= = 747 747 60 60 00000

5430/5560 kHz, 13-05, 0800/0900 UTC

171 825 825 53 53 = =
64532 37645 87465 97352 35241 93672 16253 94673 27534 91625
84673 27354 74653 92673 93863 10923 46537 82635 47653 92635
37465 37425 26354 81542 93654 97213 27635 48763 87425 63724
34251 74657 83645 92135 83542 83627 24352 46536 84673 26534
92534 83564 72431 98354 62435 14231 74653 86546 63523 37647
73546 53421 26534
= = 825 825 53 53 00000

5243 kHz, 14-05, 2300 UTC / 5825 kHz, 15-05, 0000 UTC

376 825 825 53 53 = =
64532 37645 87465 97352 35241 93672 16253 94673 27534 91625
84673 27354 74653 92673 93863 10923 46537 82635 47653 92635
37465 37425 26354 81542 93654 97213 27635 48763 87425 63724
34251 74657 83645 92135 83542 83627 24352 46536 84673 26534
92534 83564 72431 98354 62435 14231 74653 86546 63523 37647
73546 53421 26534
= = 825 825 53 53 00000

5347 kHz, 16-05, 1600 UTC / 5935 kHz, 17-05, 1600 UTC

273 158 158 80 80
45558 16729 34149 24079 17955 65885 65071 03286 72272 98075
14132 03009 11383 27760 51045 70108 83007 26133 81129 78438
05699 18697 49123 58479 47891 87089 63195 63242 04794 80386
60561 62043 16030 12554 20297 45399 91159 32873 85566 53030
60400 27179 81660 91245 47925 75791 01094 65764 83483 50147
04337 11920 67757 25875 93281 82487 46648 49644 96955 04123
23512 89908 53727 87665 69386 77855 63929 19186 29241 00736
79294 81469 05401 95320 82409 51350 17341 16746 14526 53106
158 158 80 80 00000

8116 kHz, 18-05, 0630 UTC

441 953 953 20 20 =
94051 98593 02671 91033 03513 98189 52618 53260 40291 26205
92904 53682 27103 32529 29488 79685 63855 06507 33197 80891
953 953 20 20 00000

7540 kHz, 18-05, 0900 UTC

617 785 785 35 35 =
13253 26472 48950 52141 08745 63532 21745 53413 96423 84276
24132 68321 07621 31242 74629 73241 96313 45261 76498 51823
23456 73192 42613 53804 61235 62897 41324 89376 53421 06213
01834 63505 32676 38101 78365
785 785 35 35 00000

5430/5560 kHz, 20-05, 0800/0900 UTC

171 027 027 45 45
45632 17653 27362 74689 23412 07896 35121 38902 56473 89012
87321 54287 09351 35421 76352 73542 37654 97864 90865 47352
03621 17435 27435 68321 56289 20957 20873 73624 94638 03645
10923 20354 75609 27156 27909 25341 94653 46321 28374 09483
64532 37564 10956 37509 27843
027 027 45 45 00000



M21 + variants
Russian Air Defence Forces
Во́йска ПВО Voyska PVO

4191.5//4362 kHz, 02-05, 0324 UTC

=990624??8?????
 =990625??8?????
 =990626??8?????
 =990627??8?????

=990806??0?????

4146 kHz, 02-05, 1620 UTC

19096151920 9699861593324969286168 1925 ...
 9615868594650
 9614861091150
 96138610 84750
 9612868294451009620 8615 9 54991001951

4791 kHz, 07-05, 0523 UTC

=990825??0?????
 =990826??0?????
 =990827??0?????
 =990828??0?????
 =990829??0?????

3254.5 kHz, 02-05, 1713 UTC

9953988542813

7249 kHz, 07-05, 0824 UTC

=991126??0?????
 =991127??0?????
 =991128??0?????
 =991129??0?????
 =991130??0?????

4394 kHz, 05-05, 0500 UTC

=990802??0?????
 =990803??0?????
 =990804??0?????
 =990805??0?????

4969 kHz, 08-05, 2044 UTC

=992344??8?????
 =992345??8?????
 =992346??8?????
 =992347??8?????



M41
Russian Air Defence Forces
Во́йска ПВО Voyska PVO

4031 kHz, 07-05, 1722 UTC

5Y3W VVV VVV VVV AR

6803 kHz, 08-05, 0630 UTC

9930997947930510951001
 19595101029195 951099794791031
 951099794791093192 95101033 KKK

5771.5 kHz, 09-05, 0437 UTC

BGAW BGAW AR
 0099050993379136 51739059100513200
 9905993371438 and 9905993371340



M89 - Chinese military

4054 kHz, 01-05, 1430 UTC, i.p.

R QSA 3 QSA ? K
R AS
VV OIPX DE B0VV K
R QSA 3 QSA ? K
R AS R AS
VV 8HTV DE B0VV K
R QSA 3 QSA ? K
R AS
VV 8IOQ DE B0VV K
R QSA 3 QSA ? K
R R IEC IEC = 6172 AR
314X K
R AS
IEC IEC = 6703 AR K
R AS IEC IEC = = 03.5 AR
OIPX K
R AS IEC IEC = 7140 R
8HTV K
R R IEC IEC = 7140 AR
8HTV K
R IEC IEC = 4632 AR
8IOQ K
K IEC IEC = = 4632 AR
8IOQ K
IEC IEC = = 3632 AR
8IOQ K K
K IEC IEC IEC = = 4632 AR
8IOQ K K
R R HR WK NR 3471 3471 K
R AS
HIOR K
R R AS
OIPX K
R R AS
8HTV K K
R R AS
8IOQ K K
R R HR MSG GA K K
MSG NR 0003 CK 299 0501 2230 K K = =
.UDA 5U7A NT36 5U5T DU7T 3U7A 3TA7 7T5T 65D. UUUA 3NTT (Cont'd) AR
VV J34X QSL ? K
R R AS
V 4IMR QSA ? K
R AS
VV GMIXP EEEEE A.I
V OIPX QSL ? K
R AS
VV 8I.. QSL ? K
KR AS
VV 8IWQ QSL ? K
SK SK

6622 kHz, 03-05, 1043 UTC, i.p.

R R
WK NR 104 K K (All stations on this frequency)
OK HR WK NR 228 K
VVV E5WJ DE P2RU K K
DE UJKR K
QSA ? K
R QSA 1746 K
R R
VVV N7XG DE P2RU K
DE YJZG K
R QSL ? K
R RPT 1P EEEE R RPT 1P 19W K
QSL 47 K
R
VVV J5SK DE P2RU K
R DE S5GX K
R QSL ? K
R RPT 1P 50W K
R R
VVV Z2MY DE P2RU K
R DE XB.. K
QSL ? K
R QSL 1847 K
R OK K
VVV P4ET DE P2RU K K
R QSL 1846 K
R QSL ? K
R QSL 1846 K
R OK
VVV T1.W DE P2RU K
VVV X2EZ DE P2RU K
R QSL ? K
R QSL 1.49 K
R OH OK SK SK

4620 kHz, 03-05, 1932 UTC, i.p.

AR AR
VV X7WN DE W1DV K
R CY HW K
RPT 2P 04W = DN66 AR K
R RPT 2P 37W = N.55 AR K
NR 107 K
KP I
VV .HPO DE W1DV K
R CY HW K K K
VV N7IIII
V N7XG DE W1DV K
CY HW K
OK KP
VV Z2OY DE W1DV K
VV ..Y8 DE W1DV K
C CY HW K
RPT 1P 81W = T.D3 AR K
OK KP
VV P43T DE W1DV K
V M1QW DE W1DV K
VV X1EZ DE W1DV K

10180 kHz, 18-05, 1327 UTC

VV HR SVC GA
 NR 072213/MKS 5182 TO 553 EEEEE
 RMKS 5183
 RMKS 5182 TO 5532
 CL/2200/Z=DN E181/ EEEEE =
 CL/2200/7..5182/5532 AR QSA
 QSL ? HR WK NR 330
 V DKG6 (x3) DE 3A7D (x2)
 NR ... CK 289 19 0518 2130 RMKS 5182 TO 5183 5422 5864 =
 4NN6 DA5T 353A (Cont'd)

5115 kHz, 22-05, 1242 UTC

DE X6GI K
 V KRRP5 W
 RA Q8EE R R DE Q8EE A K K
 R R QSA 2 QSA ? K
 R QSA 2 K K (Both stations on this frequency)
 R R IEC = = 4560 AR K (Normally used during exercise traffic)
 R R IEC = 3664 AR K
 R HR F GA K. R HR F GA K
 R GA EK K
 R F NR NR 0001/EX 20.0 RMKS CQ K
 R IEC = =
 IEC =
 QSA EEEE QSA ? K
 QSA ? K QSL ? K QSL ? K QSA EEEE QSL ? K QSL ? K
 QSA 2 QSA ? K QSA 2 QSA ? K QSA 2 QSA ?
 QSA 2
 QSA ? QSA ? QSA 2 QSA ? K
 QSA 2 QSL ?
 RL AL AL IEC IEC HR MSG GA K
 USB USB USB
 WK T.KNR NR 0 WK WK OK .. NR
 U WK NR BA K
 U WK NR MA K
 MSG NR HR MSG GA
 F GA
 HR F GA HR F GA
 QSA 2 QSA ?
 IEC HR F

3842 kHz, 31-05, 1508 UTC

CK 23 53 0531 1309 RMKS 6473 TO 6475 =
 D557 3N47 ... AR K
 R RPT 02W BT 3N47 AR K
 R OK K
 HR OK NR 1004 K
 R NIL SK GB

3777//4532 kHz, 31-05, 1135 kHz

3D36 UNTN ... AR
 CQ06/4684 3955 7044 MSG
 NR 543 CK 99 14 0531 1938 RMKS 2494 TO 4684 3955 7044 =
 ADND 4NA. ... AR
 CQ06/4664 4649 3959 MSG
 NR 544 CK 99 14 0531 1943 RMKS 2494 TO 4664 4649 3959 =
 7A3D DA7U ... AR
 CQ06/CQ MSG

NR 545 CK 299 14 0531 1948 RMKS CQ =
UTT5 DU53 ... AR
CQ06/CQ MSG
NR 546 CK 699 14 0531 2001 RMKS CQ =
UDDN AN34 ...

3777//4532//6793 kHz, 31-05, 1030 UTC

DA33 DTT6 475A ... AR
CQ06 /4628 4659 4684 MSG
NR 530 CK 99 14 0531 1833 RMKS 2494 TO 4628 4659 4684 =
A6N3 DDA6 U577 ... AR
CQ06/4664 2084 2284 MSG
NR 531 CK 99 14 0531 18.. RMKS 2494 TO 4664 2084 2284 =
..TD 3..U N4TD 3NA4 ... AR
CQ06/4664 4627 2974 MSG
NR 532 CK 99 14 0531 1842 RMKS 2494 TO 4664 4627 2974 =
UU4. 6NT5 6U36 AA77 ... AR
CQ06/4604 4659 2034 MSG
NR 533 CK 99 14 0531 1848 RMKS 2494 TO 4604 4659 2034 =
4U5. 675T 766D ... AR
CQ06/4664 7544 2384 MSG
NR 534 CK 99 14 0531 1853 RMKS 2494 TO 4664 7544 2384 =
5553 ... AR
CQ06/4664 2894 4684 MSG
NR5 35 CK 99 14 0531 1858 RMKS 2494 TO 4664 2894 4684 =
7477 6547 D4T4 UA3N ... AR
CQ06/4664 2764 2204 MSG
NR 536 CK 99 14 0531 1903 RMKS 2494 TO 4664 2764 2204 =
NN65 33U7 ... AR
CQ06/4664 4659 2754 MSG
NR 537 CK 99 14 0531 1908 RMKS 2494 TO 4664 4659 2754 =
U.5T 6UU3 7N67 ... AR
CQ06/4637 4628 2484 MSG
NR 538 CK 99 14 0531 1913 RMKS 2494 TO 4637 4628 2484 =
5TTT 5.73 7DD7 ... AR
CQ06/4604 2284 7200 MSG
NR 539 CK 99 14 0531 1918 RMKS 2494 TO 4604 2284 7200 =
N54U U477 ... AR
CQ06/4684 4..9 3984 MSG
NR 540 CK 99 14 0531 1923 RMKS 2494 TO 4684 4559 3984 =
NDT6 3T4. ... AR
CQ06/4628 0882 7484 MSG
NR 541 CK 99 14 0531 1928 RMKS 2494 TO 4608 0882 7484 =
N735 76NA ... AR

9256 kHz, 31-05, 0526 UTC

R R R 55 NPT CK
R R R QSL 1330
GA GA K
HR MSG GA
NR NR6287 CK 115 552 05 EEE 0531 1300 RMKS 6223870 TO 6223874 DE =
A657 6U54 457T 4TD3 6UT4 A7ND ... AR
R R R R OK OK



M95

5180 kHz, 01-05, 1517 UTC, i.p.

QSA ? K
R QSA 2 K
R ...0 K (Other station also on this frequency)
R IEC = 7992 AR K
7G GA CY K
R GA K
NR 0511/CCK CK 12. 33 0501 2319 RMKS 3439 TO 3424 K
R MSG RP K
DE AK. =
73.. 5.73 N3D. (Cont'd)
AR K
R RPT 10W K (Cont'd ask for/repeat groups)
R QSL 2327 K
R 7G GA K
NR 0 K R GA K
R MSG NR 0501/CCK CK 49 33 0501 2329 RMKS 3424 TO 3439 K
R GA K
= T734 1W =
T734 5A.3 N367 (Cont'd)

8073 kHz, 01-05, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0376 CK 99 35 0501 1553 =
TTA 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773
TAN 773 TU3 773 (Cont'd) AR
MSG AGN
NR 0376 CK 99 35 0501 1553 = = =
TTA 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 (Cont'd - repeat message)

4243//9054 kHz, 01-05, 1149 UTC

VV HR MSG TO YR PSE CY
NR 067 CK 17 35 0501 1505 =
5TD UTT TTA 3U6 3A4 356 4TD U7U N4A 444
3DA TTU TT3 773 435 3DU 4D3 AR
MSG AGN
NR 067 CK 17 35 0501 1505 = (Repeats message) AR
A HR MSG GA
NR 02 CK 152 35 0501 1552 =
UTU TTA 3U6 3A4 TTU 773 35A N3D 353 (Cont'd) AR
7G AGN
NR 02 CK 152 35 0501 1552 =
UTU TTA 3U6 3A4 TTU 773 35A N3D 353 (Cont'd - repeat msg)

9054 kHz, 01-05, 2354 UTC, i.p.

34U T3. 3D. AR
A HR WSE EEEEE
A HR UP SB WK

7553//9153 kHz, 01-05, 0951 UTC, i.p.

N3D 357 UT7 T3D 4A7 445 (Cont'd)
III 4T3 N3D 4AA 445 4D6 33D (Cont'd)
A HR MSG GA
NR 361 CK 131 35 0501 0718
5N3 UT3 TTA 3U4 3A4 TT4 773 357 4A7 (Cont'd)
MSG AGN
NR 361 CK 131 35 0501 0718
5N3 UT3 TTA 3U4 3A4 TT4 773 357 4A7 (Cont'd repeat message)
ZNN SK

4364//8073 kHz, 02-05, 0009 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0377 CK 111 35 0502 0651 =
TTU 3U4 3A4 TAU 773 TA7 773 TAD 773 356 (Cont'd) AR
MSG AGN
NR 0377 CK 111 35 0502 0651 =
TTU 3U4 4A4 TAU 773 TA7 773 TAD 773 456 (Cont'd) AR

8073 kHz, 05-05, 1135 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0384 CK 147 35 0505 1605 =
TT5 3U6 3AN 3U7 TAU 773 353 35N 37U 4T3 (Cont'd)

4243//9054 kHz, 05-05, 1149 UTC

VV HR MSG TO YR PSE CY
NR 075 CK 21 35 0505 1523 =
5TD UTT TT5 3U6 7TA N44 3A4 353 4A5
U7U N4. 446 467 3DA TTU TT3 773 447 46D 3D4 4D3 AR
MSG AGN
NR 075 CK 21 35 0505 1523 = (Repeats message) AR
A HR MSG GA
NR 012 CK 22 35 0505 1615 =
UT5 TT5 3U6 3A4 TTA TTU TT3 7733454 N3D
35U 4A5 447 33U 34U N3D 4AN 446 4D3 3D3
N3D 3DU AR
MSG AGN
NR 012 CK 22 35 0505 1615 = (Repeats message) AR
A HR MSG GA
NR 10 CK 173 35 0505 1630 =
UTU TT5 3U6 3A4 TTU 773 (Cont'd) AR
7G AGN
NR 10 CK 173 35 0505 1630 = (Repeats message) AR
A HR UP SB WK

8073 kHz, 08-05, 1142 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0390 CK 123 35 0508 1558 =
TTD 3U6 3AN 3U7 TAU 773 TA7 773 353

4243//9054 kHz, 08-05, 1145 UTC

VV = HR 7G TO YR PSE CY
NR 081 CK 33 35 0508 1426 =
5TD UTT TTD 3U6 7TA N44 3A4 354 365 4T7
34U N3D 4T3 U7U N4A 445 3DA 336 DND N.3
444 63D ATT U TT3 773 446 3DU 336 DND
N34 447 3D4 4D3 AR

III = 4TA 445 3UN (Cont'd) AR
HR MSG GA
NR 021 CK 15 35 0508 1657 =
3UT5 TTD 3U6 .A4 TTA TTU TT3 773 357
37U 36U 4AN 446 4D4 3DU AR
MSG AGN
NR 021 CK 15 35 0508 1657 = (Repeats message) AR
A HR UP SB WK AR

4243//9054 kHz, 21-05, 1146 UTC

VV NR 007 CK 20 35 0521 143. =
6TU TT. TUA 3U6 3A4 35U N3D 353 36T 4T7
U7U N4A 445 3DA TTU TT3 773 446 3DU 4D4 AR
A HR 7G
NR 42 CK 121 35 0521 1615 =
UTU TUA 3U6 3A4 TTU 773 357 (Cont'd) AR
A HR MSG GA
NR 060 CK 13 35 0521 1623 =
UT5 T.A 3U6 3A4 TTA TTU TT3 773 356 4T7
435 4D3 3DA AR
A HR UP S R EEEEE A HR UP SK WK

4243//9054 kHz, 20-05, 1147 UTC

VV HR 7G TO YR PSE CY
NR 005 CK 17 35 0520 1520 =
5TD UTT TUT 3U6 3A4 356 4TN U7U N4A 434
3DA TTU TT3 773 446 3DU 4D3 AR
7G AGN
NR 005 CK 17 35 0520 1520 BT (Repeats message) AR
A HR 7G GA
NR 40 CK 117 35 0520 1630 BT
UTU TUT 3U6 3A4 TTU N44 TT3 773 35A U4T (Cont'd) AR
A HR 7G GA
NR 057 CK 19 35 0520 165. =
UT5 TUT 3A6 3A4 TTA TTU TT3 773 35U U4T
353 4AD 435 33. 445 4D6 N3D 4D3 3DA AR
A HR UP SB WK AR

7554 kHz, 30-05, 0931 UTC, XSV70 i.p.

4D6 33D 75D 4DU 3AN 354 (Cont'd)
MSG AGN
NR 450 CK 179 35 0530 1545
5.3 UT3 .3T 3U6 TTU 773 3AD 353 (Cont'd)
A HR MSG
NR .4. CK 1.. 35 0530 0658
.3 UT3 A.. 3U4 3A4 TT4 773 357 4AD (Cont'd)
MSG AGN
NR 447 CK 1.9 35 0530 0658
5.. UT3 T3T 3U4 3A4 TT4 773 357 4AD (Cont'd)
ZNN SK

9018 kHz, 30-05, 1007 UTC, XSV70 i.p.

05 05 76DN
05 05 05 05 05 67DD 67DN
5 5 05 05 II AR

8073 kHz, 31-05, 0010 UTC, XSV85 i.p.

773 TA7 773 TA. (cont'd)

... GA

NR 0443 CK 104 35 0531 0713 =

T3A 3U4 374 TAU 773 TA7 773 356 35N 4TD (Cont'd) AR

7G AGN EEEE 7G AGN

NR 0442 CK 51 35 0531 0715 =

TT4 3.. (Cont'd) AR

A HR 7G GA

NR 0443 CK 104 35 0531 0713 =

T3A 3U4 3A4 TAU 773 (Cont'd)

AR AR AR AR



UM03 - X2M

7920//8250//8410 kHz, 08-05, 0906 UTC, X2M i.p.

AR

13 13 CK 100 CK 100 TIME 1604 TIME 1604 DATE 0805 DATE 0805 = T3A7N D4U5A ...

7920//8250//8410 kHz, 30-05, 0907 UTC, X2M i.p.

15 15 CK 100 CK 100 TIME 1612 TIME 1612 DATE 3005 DATE 3005 =

DAN4T 3NT6A (Cont'd) AR

17 17 CK 100 CK 100 TIME 1618 TIME 1618 DATE 3005 DATE 3005 =

NT6U5 3NT6U (Cont'd) AR

19 19 CK 100 CK 100 TIME 1622 TIME 1622 DATE 3005 DATE 3005 =

73A4T 3A4TN A7354 (Cont'd) AR

ZON15



UM10 - 10-minutes net

6203 kHz, 01-05, 1030 UTC RVOX //7378 kHz

6203 kHz, 01-05, 1050 UTC RVOX //7378 kHz

5840 kHz, 01-05, 1944 UTC ZUBW //6954 kHz

3568 kHz, 01-05, 1458 UTC NZO6 //4065 kHz

3315 kHz, 01-05, 1856 UTC S3DN

3598 kHz, 31-05, 1516 UTC JZWG

DIGITAL MODES



HM01

Dirección General de Inteligencia

Modes: AM voice and RDFT

HM02 oddities

16180 kHz, 04-05, 2101 UTC

55526 67538 03626 71682 34042 51172 (repeats groups of 3 May). Sending voice on top of the RDFT data

11435 kHz, 22-05, 1558 UTC

Radio Havana Cuba into 57504 70456 86373 32342 31821 64831 (repeats groups of 19 May)

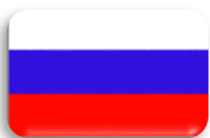
HM02 repeated the groups from 18 April from 1 – 3 May.

Old and new groups were sent on 3 - 9 May.

The 9 May groups were repeated till 18 May.

Old and new groups were sent on 18 May. New groups on 19 May.

The 19 May groups were repeated till the end of the Month.

**HM02**

Modes:

FSK-19.8Bd/129Hz and FSK-CW

4761 kHz, 01-05, 0420 UTC

913 42 =

80278 32241 23181 35532 81625 14434 47387 11803 32803 54015
05620 61082 40165 44752 27507 34785 51263 44245 16137 04272
83831 38557 31204 72730 51310 00215 33540 65815 34371 46625
47881 50720 54287 60552 08467 76085 17431 32614 85576 71384
54377 43673

= 913 42 913 42 = repeats message = 913 42 000

4761 kHz, 02-05, 0420 UTC

823 46 =

28893 62769 13425 58355 64353 27626 37881 90967 91615 73596
39446 12503 01113 57317 91682 60924 77949 79661 70802 48527
28601 75676 20380 10727 99190 79714 03928 81914 62598 52720
12889 48846 01199 40273 17820 59554 41392 07854 18065 71199
42493 67145 90214 36762 50054 04528

= 823 46 823 46 = repeats message = 823 46 000

No transmission on 3 May.

4761 kHz, 04-05, 0420 UTC

588 46 =

71435 85313 88383 14141 22431 07352 21223 27264 47872 25673
07020 78070 62406 05586 55475 00848 52684 15806 45348 00803
17212 28182 50254 20480 00512 46142 13658 17511 02144 01034
43822 83703 75422 06835 61147 45106 31310 10641 18128 42287
64474 40576 53687 74124 15408 34160

= 588 46 588 46 = repeats message = 588 46 000

No transmission on 5 May.

4761 kHz, 06-05, 0420 UTC

237 52 =

68169 12165 35871 96331 31331 90351 21560 94887 17206 13593
59616 33402 38665 35343 70826 32677 55273 20750 93966 83275
21262 88596 51907 73312 94412 92907 95980 69409 25508 52447
06340 01377 52223 89203 67845 43491 26034 11792 61379 75512
07720 69349 08385 75747 01665 93903 45549 16274 27072 25955
49640 68464

= 237 52 000

Notes: Callup repeated for 4.40 mins instead of 1 minute. No repeat

No transmission on 7 May.

4761 kHz, 08-05, 0420 UTC

526 47 =

21211 80277 77141 41624 00680 50354 76331 51122 36064 55214
84035 56558 82843 60131 88886 40101 10440 66556 70283 18425
47111 82273 71730 51575 07558 28031 72778 83588 21763 16285
06252 41475 35635 25818 06853 34815 83126 51574 11004 52838
04383 75627 02053 23031 45460 77256 77256

= 526 47 526 47 = repeats message = 526 47 000

4761 kHz, 09-05, 0420 UTC

231 48 =

12649 08179 48307 61973 62828 21299 41755 28935 00332 30668
78326 32934 25231 44987 43062 63997 29242 14611 12987 81279
29975 44390 16623 78384 96004 70816 74533 59168 76907 09136
64489 66393 14742 53692 14278 68195 61964 16262 28545 63603
01290 14015 31639 06868 75986 08862 78314 50613

= 231 48 231 48 = repeats message = 231 48 000

4761 kHz, 10-05, 0420 UTC

912 46 =

38688 85364 93996 74064 03853 87280 73348 11180 30608 25032
21516 19553 95933 54304 85514 17833 07297 46347 45780 77272
21127 72456 33268 24045 30368 06793 01165 60628 19115 44486
49826 69409 17236 77478 06590 53455 12110 78294 89602 84251
70229 65199 08820 38209 80241 13851

= 912 46 912 46 = repeats message = 912 46 000

No transmission on 11 May.

4761 kHz, 12-05, 0420 UTC

925 43 =

82546 83644 05650 44514 02168 10186 73681 63264 65321 55057
73400 11421 73655 40586 81708 08622 40448 78682 84700 70242
57231 27637 55827 70810 10873 48621 53407 58475 28725 75208
34678 12325 76846 43187 26708 33052 28536 46354 67522 21823
47037 87727 56758 =

925 43 925 43 = repeats message = 925 43 000

4761 kHz, 13-05, 0420 UTC

247 45 =

09720 34403 60708 07977 09660 23262 45533 45203 87440 92308
68636 09389 97607 24971 81634 45133 21886 43902 33046 86654
50829 80980 24726 04270 50298 05007 35920 47391 12552 24915
74814 97933 79898 67200 92695 33131 97489 17242 39770 21333
88599 36210 74234 71210 39886

= 247 45 247 45 = repeats message = 247 45 000

4761 kHz, 14-05, 0420 UTC

903 46 =

01401 05219 73377 61611 18285 33747 53797 68941 30052 56319
33062 18719 72429 32514 04886 14156 30395 01061 55140 62714
63374 07457 56245 14173 72733 58136 82033 67617 63246 94176
62286 07375 45720 76195 20174 71498 20169 25755 16692 20772
18941 22505 74663 13254 53574 48371

= 903 46 903 46 = repeat message = 903 46 000

No transmission on 15 May.

4761 kHz, 16-05, 0420 UTC

807 43 =

01312 30825 54881 79513 37451 79950 98016 21176 76513 78673
46020 64626 19478 82721 55251 74372 50529 30791 18430 86549
88425 67117 55036 22913 08432 01635 25427 78091 10899 83461
74102 53303 96584 72476 85822 87602 46522 58149 07047 54819
89311 33387 72408

= 807 43 807 43 = repeats message = 807 43 000

4761 kHz, 17-05, 0420 UTC

980 44 =

64264 27048 80356 10730 18734 72473 98143 74542 95583 76535
09780 54443 24020 51577 76126 62092 80980 71389 88730 61229
29496 37811 52229 30646 31699 23082 11752 29375 51294 57851
03714 71587 85005 40186 73510 31074 19336 07251 58491 50465
35471 29541 21524 52225

= 980 44 980 44 = repeats message = 980 44 000

4761 kHz, 18-05, 0420 UTC

619 43 =

60155 56339 58383 31139 53982 10246 53917 70308 99771 54844
41530 77841 52014 99055 43151 32874 32274 25541 13597 46713
63327 99345 49978 90516 98081 62699 57636 26805 60264 46361
12066 30863 48184 00723 35852 16520 40183 14709 70487 57325
31163 83084 40855

= 619 43 619 43 = repeats message = 619 43 000

No transmission on 19 May.

4761 kHz, 20-05, 0420 UTC

803 44 =

75032 14672 75133 65030 33511 02785 54482 64776 12158 57635
30255 57440 54571 46564 07268 56775 22671 32787 13551 71132
76816 66148 04477 06038 68223 46433 72626 44215 57882 18513
20270 25052 75445 53317 47453 50515 48700 78217 30476 66525
22050 10762 42355 56560

= 803 44 03 44 = repeats message = 803 44 000

4761 kHz, 21-05, 0420 UTC

218 43 =

80695 76781 74157 04277 13587 24639 23829 79191 34499 34856
58914 86003 60038 05696 92667 47496 06980 33427 98140 13624
99288 22136 52630 17654 06088 18694 48572 46986 86199 68227
93033 23892 56703 28812 88742 87536 95696 14070 27868 70306
90023 16668 32620

= 218 43 218 43 = repeats message = 218 43 000

4761 kHz, 22-05, 0420 UTC

976 43 =

44167 10803 68773 54801 46008 83739 92891 58931 03050 08445
18166 27306 87903 31468 00100 73246 43259 02905 08441 18579
00470 67715 62317 16885 69673 34628 09147 05437 91382 69812
61724 65142 70643 55154 99834 70501 85914 95684 61304 94548
17569 73612 48444 =

976 43

4761 kHz, 23-05, 0420 UTC

589 47 =

09764 88404 38787 06832 67979 25102 65395 78458 06080 58923
16540 49736 29201 05222 24875 63373 35333 25212 46011 57628
82816 72995 40740 87151 03027 74810 67583 66029 92721 65344
31526 40683 28639 58895 39817 82221 33258 20049 48987 31028
53290 83246 98254 57709 89178 55992 65243

= 589 47 589 47 = repeats message = 589 47 000

4761 kHz, 24-05, 0420 UTC

434 42 =

15725 88666 52104 26513 08317 86487 68503 03376 31528 48285
77623 33462 75346 07678 68366 50420 45677 24151 32320 13525
81200 86084 73223 60014 00036 62444 25077 46031 40207 48254
61228 37073 42852 66832 88055 67510 07182 52101 12642 87886
03445 63121

= 434 42 434 42 000

4761 kHz, 25-05, 0422 UTC

267 47 =

15998 86700 12456 83356 58373 32434 00884 41255 12755 16859
54019 93776 65272 96741 93884 03272 04818 48935 55368 31576
96480 10367 69596 65935 32044 25071 56269 10806 94692 17286
31934 35187 73421 66881 11340 31633 18653 00711 06739 37579
76663 93351 27096 14723 52965 52042 73900

= 267 47 267 47 000

Note:

Late start. Carrier up at 0422z followed immediately by short call-up (Approx 30secs)

4761 kHz, 26-05, 0420 UTC

857 46 =

35371 79181 70467 24406 10075 04520 48354 40192 17169 58239
50287 78854 07033 64887 38065 01535 60597 59429 46902 48844
37872 44490 21022 45220 67352 88660 74153 42863 98570 20394
37719 14344 91005 62863 93290 20876 25763 30586 96300 03846
86657 30428 38894 58171 33197 40411

= 857 46 857 46 = repeats message = 857 46 000

4761 kHz, 27-05, 0420 UTC

231 48 =

12649 08179 48307 61973 62828 21299 41755 28935 00332 30668
78326 32934 25231 49987 43062 63997 29232 14611 12987 81279
29975 44390 16623 78384 96004 70816 74533 59168 76907 09136
64489 66393 14742 53692 14278 68195 61964 16272 28545 63603
01290 14015 31639 06868 75986 08862 78314 50613

= 231 48 231 48 = repeats message = 231 48 000

Note:

Repeat of 9 May with same id

4761 kHz, 28-05, 0420 UTC

906 43 =

27687 30547 88377 14662 33342 11420 02613 83878 02707 37142
86855 31584 36628 55818 61787 00702 55671 84427 85281 41427
80244 67471 81872 46458 17022 55612 10835 77611 78464 33048
84415 75678 22622 55867 53352 12761 62656 72526 35123 56258
03203 55638 10731

= 906 43 906 43 = repeats message = 906 43 000

4761 kHz, 29-05, 0420 UTC

263 41 =

37833 68734 87336 24418 06611 20062 90960 59378 89886 13669
61284 95565 76559 43055 52578 14852 25485 07524 37854 33857
69785 57398 84510 52680 06656 96735 33704 70771 87646 97841
27504 77447 63537 78682 29336 90313 07619 97772 09913 68619
79284

= 263 41 263 42 = repeats message = 263 41 000

4761 kHz, 30-05, 0420 UTC

584 46 =

78828 25705 87693 71487 78687 19543 42634 10689 89741 06137
51044 22509 84043 64996 32851 21637 32317 93533 72008 07137
38311 15305 84729 91126 40158 65557 62966 09751 06507 77429
48268 24567 16023 44884 96324 63955 58316 62079 34700 23900
50303 66340 81747 16883 56779 16820

= 584 46 584 46 = repeats message = 584 46 000

No transmission on 31 May

**F01, F06, M42, M42a,
M42b & X06**



Modes:

*Various digital modes, CW,
Tones (Мазелка / Mazielka)*

Russian Government & Intelligence



M42 – various modes

12056 kHz, 12-5, 0445 UTC, Serdolik 40Bd MFSK-6

M42b – FSK 50/500

7708 kHz, 05-05, 0511 UTC MFJQ wkg YDEW (QSX 7978 kHz)

4611 kHz, 05-05, 1806 UTC, FSK 50/500 SN7D wkg G5OP

642 181 5 1800 8471 =

58231 58931 12730 59136 12151 52367 05381 36085 72688 70656
57927 19853 74354 81312 63756 16325 16279 03496 11217 05002
59805 38142 51061 44999 02243 55461 27670 99892 44850 53619
66227 42356 59751 12054 33040 24509 85457 87857 11196 2
05701 28657 58728 08311 91240 00443 41503 58516 09362 53772 =50=
57990 71293 30727 76793 98117 17260 88279 08517 03401 11290
67887 10783 20523 49178 35417 22362 65563 97526 29907 43606
41056 47792 77558 25128 73070 70427 06206 58895 60493 30065
64958 95225 53714 47666 78717 34085 04884 20585 92233 64146
56949 36477 83407 48035 63639 41994 50518 77208 57602 52203 =100=
03054 44895 08867 11664 10859 10545 40833 43105 91259 54217
95957 44631 38865 44347 68345 21414 27737 67330 45418 62774
40606 92359 25850 00636 04826 69954 05963 10243 39759 87618

51770 39110 45266 31065 98843 75136 86007 24446 47209 89807
51224 48016 43440 17438 94694 56691 67156 56389 84563 47902 =150=
64094 03191 17712 52224 92952 55513 78370 45170 78194 4492
45656 03676 85994 85384 7972/ 55524 65515 48353 41227 95432
38782 61239 75596 52759065686 91873 86419 79417 83080 06411
31348 -
1816

Opchat in CW: QRU NIL SK

4030 kHz, 05-05, 1821 UTC RO3G wkg 2DJR

Message in FSK 50/500, opchat in CW: QRU NIL SK

7979 kHz, 06-05, 0828 UTC, FSK 50/250. Unusual shift. Trying to send a message.

23412 24352 34563 35463 36473 37462 34528 64753 09843 35647
87564 35462 17263 4522&)?59 35627 25309 47836 36478 23647
09485 37462 16372 374:9 23547 27364 48573 23564 84957 23619
37462#:3790 38473 36152 35498 46352 12673 09463 23784 98434
84756 29364 19832 35643 74857 36452 18364 64532 20983 35263 =50=
63542 34526 76453 35643 76453 26374 74635 23743 98574 34612
83732 37843 94733 84720 36254 64532 74632 35462 09374 74632
09463 27612 36742 87463 98364 36472 196842/89 93821 76432
09586 35462 37621 53421 76890 48932 64732 74833 26352 74890
75643 74643 26374 26374 26'1 09483 76432 74890))635 26130 =100=
-

08833

0833 (:!.,8) (

+9(!(

23412 24352 34563 35463 36473 37462 34528 64753 09843 35647
87564 35462 17263 45273 74859 35627 25309 47836 36478 23647
09485 37462 16372 37489 23547 27364 48573 23564 84957 23619
37462 23790 38473 36152)498 46392 12673 09463 23784 98434
84756 25364 19832 35643 74Q

23412 24352 34563 35463 36473 37462 34528 64753 09843 35647
87564 35462 17263 45273 74859 35627 25309 47836 36478 23647
09485 37462 16372 37489 23547 27364 48573 23564 84957 23619
376!8&3790 38473 36152 35498 46352 12673 09463 23784 98434
84756 25364 19832 35643 74857 3645

9(

9(

)23412 24352 34563 35463 36473 37462 34528 64753 09843 35647
87564 35462 17263 45273 74859 35627 25309 47836 36478 23647
09485 37462 16372 37489 23547 27364 48573 23564 84957 23619
37462 23790 38473 36152 35498 46352 12673 09463 23784 98434
84756 25364 19832 35643 7485

RPT

RPT K

OK SW 63488 (

Opchat in CW: QRU NIL SK

8081 kHz, 07-05, 0903 UTC, FSK 50/500

LKDW message to PRAT

624 100 07 0900 1673 =

23412 24352 34563 35463 36473 37462 34528 64753 09843 35647

87564 35462 17263 45273 74859 35627 25309 47836 36478 23647
09485 37462 16372 37489 23547 27364 48573 23564 84957 23619
37462 23790 38473 36152 35498 4635)673 09463 23784 98434
84756 25364 19832 35643 74857 36452 18364 64532 20983 35263 =50=
63542 34526 76453 35643 76453 26374 74+35 23743 9857: 34612
2 3 09473 38472 36254 64532 74632 35462 09374 74632
09463 27612 36742 87463 98364 36472 15342 64789 93821 76432
09586 35462 37621 53421 76890 48932 64732 74833 -+2 74890
756843 3 26374 26374 74631 09483 76432 74890 74635 26130 =100=
0910 =

7978 kHz, 09-05, 0509 UTC MFJQ wkg YDEW. Msg in FSK 50/500

| |
|-------------------|
| F01 – FSK 200/500 |
|-------------------|

14363/12189/10346 kHz, 03-05/05-05, 1840/1850/1900 UTC

87088 71551 05736 90984 90948 92979 56213 15965 72059 74686
39726 99563 15407 05117 66820 88501 70451 77067 68119 17770
51693 96339 44693 63939 34519 59591 72557 29270 72130 21598
17914 00234 78799 00980 67308 93412 46414 08840 86112 59164
54980 48955 61616 42655 22554 08227 17753 17512 24193 48386
93576 12621 39604 68916 93756 66410 90008 66240 70737 10803
63011 19466 14825 38073 75286 96475 61544 31394 12668 17677
63102 71050 95940 10241 31486 44635 17345 96452 12632 35024
32943 16689 42262 33535 10481 90199 82898 34428 92514 67887
51196 26459 66938 81716 36309 98036 42049 39558 26988 37234
95213 48312 64655 08865 50104 00000

20206/18031 kHz, 06-05, 2230/2240/2330/2340 UTC

Link ID 00116, Date 5th, Serial #18, Groups 135

20206/18031 kHz, 13-05, 2230/2240/2330/2340 UTC

Link ID 00116, Date 12th, Serial #19, Groups 159

11177 00116 59316 12019 01599
99520 83596 56302 07473 01675 78890 78031 03673 22153 38285
80869 33743 71396 42029 57464 91231 81389 24510 01330 00222
47985 47860 06437 58109 30264 38670 81981 64850 15970 62895
02728 17797 98898 05202 43730 01580 00475 31420 13004 82202
45840 84254 27575 22866 00912 69482 82786 77094 54223 96574
39440 60228 43111 90002 57691 98765 11485 76691 43676 97609
07668 77665 37697 26407 54012 80152 07164 95351 10070 81641
49862 25232 73901 50697 92899 89363 60449 66419 80490 55016
02884 98344 91757 62425 50529 77681 20328 74638 04979 75137
80952 13273 32386 16091 91509 49682 46534 74714 04833 46155
46696 75643 00253 85056 67340 80815 35114 01185 78516 09124
90144 32513 26069 68086 75446 05539 15049 67430 96604 58286
85340 17780 89783 97250 24806 26566 34171 30829 01081 67882
13893 54122 77914 04787 68086 14525 93884 35059 34625 32000
98096 72144 84984 19681 09363 89501 71982 67593 99797 35041
94143 64227 61851 13064 47538 27353 74800 19157 00000

14941/12221 kHz, 22-05, 0025/0035/0125/0135 UTC

11177 00117 94185 19021 01879
22736 10072 31074 80187 34713 44246 49842 57274 40560 04032
08699 23548 10724 99236 67746 96099 51730 85439 46238 62707
67431 24755 80773 77932 07820 71461 12887 10107 90769 33649
84699 78014 35943 85528 31827 05261 17886 77490 02716 20482
23327 24541 68048 83524 74756 57697 03238 05251 51158 93367
86251 00082 88701 50807 15133 94823 60907 02000 40811 99399
12647 93287 56046 96896 85987 07858 78052 85725 79173 96998

77365 28406 49665 96288 75702 29138 13761 49201 86342 05944
91993 41257 26014 15357 73320 74768 18937 27064 70291 63828
59203 47716 55468 10518 91810 97391 26266 50543 19877 68732
54357 56595 83319 96171 40258 01697 05132 99960 64305 41458
51996 79059 76681 89295 46276 71718 68078 66961 85966 17556
30259 82386 16613 40968 26423 05072 80235 43071 88742 21217
26360 88708 99842 68785 98364 71594 42000 08171 99093 47317
82531 21292 64696 99409 51072 33287 16191 21460 73652 24396
46746 29967 87526 74711 80666 09058 70466 00626 52414 20103
40406 22727 51900 62024 99950 37049 48900 82256 21813 07721
41136 38663 52372 65680 22324 82385 72887 73539 08165 52212
56588 99347 01101 87530 93865 21185 00000

10687 kHz, 20-05, 1700 UTC

85942 39542 35954 05646 44896 83432 54072 54684 08029 17211
55604 36009 35209 17134 81486 27513 56996 16448 75169 07557
45732 54575 97309 72171 20321 94756 82745 63692 08135 27345
25698 40502 12489 00928 04128 42578 59121 48461 79193 32524
20110 00629 30743 16781 38674 03577 14779 76700 03286 83242
53831 64170 44545 23446 96181 41471 53230 49945 04871 70070
42998 37630 62427 78018 06132 83050 02260 60654 35803 09465
02644 94294 13274 96591 04247 67596 83473 52263 37120 60293
67399 68155 68110 23967 84762 26786 04608 44574 85331 51973
15589 91383 12404 19943 55875 82037 46840 73253 04557 18407
05106 04760 53513 72943 89753 03768 06962 30193 15788 81589
77990 13190 61334 18686 92994 49387 16081 00570 39958 55834
25891 34667 21528 48275 57062 65334 98802 03865 28644 29189
36790 32182 86253 17978 87452 34230 15848 41138 71297 54118
20858 05264 43432 53103 11155 52644 55033 60680 77256 26083
46165 82415 48234 52164 30878 69199 56746 60170 60534 77620
59636 78824 76288 76135 87536 78061 86676 76725 21914 47999
31227 96732 22989 32306 16050 80558 56984 58151 32341 35912
96109 29925 93725 64296 89752 78915 53395 90422 30291 86127
86954 20235 61974 20438 51948 82238 06306 59266 59963 31815
02373 83956 22284 23210 85547 67050 55011 78892 53010 93643
54591 10958 89522 84008 79697 74267 51899 09685 00393 56025
35595 20197 00515 31452 71875 22621 44224 40274 28975 81159
42650 63694 15710 28931 81566 06536 10962 09144 96046 14256
67481 87867 03023 79506 63441 05558 27701 17933 00189 59546
84749 17899 69618 34679 00224 93826 39620 24277 85136 97836
31019 08623 96639 69373 84470 83152 47734 27509 40725 53544
51447 35611 82710 39884 10436 93060 12871 57107 87918 33707
64198 63889 20908 35748 68384 97189 61656 72729 29552 34622
58266 60335 76977 51847 10397 78673 95264 67166 61008 74739
55390 90522 10071 74731 95071 19066 61193 60933 21883 46508
37097 92817 37568 78414 24870 77090 06978 70655 36948 16341
20076 33187 98756 90988 20451 66339 98948 54230 49328 00000

6957 kHz, 20-05, 1720 i.p.

....50329 00000

20206/18031 kHz, 26-05, 2230//2240 UTC

11177 00116 84736 26021 01869
98481 29546 27671 71868 07866 96185 96617 55630 25982 38616
61340 96826 42305 07280 23543 07188 74221 21726 36088 70899
84268 78598 36471 59442 00008 17199 09347 31782 53121 29264
69699 40951 07233 28716 19121 46073 65224 39646 74629 96787
52674 71180 66609 05870 46600 62652 41420 10340 40622 72751
90062 02499 95037 04948 90082 25621 81307 72141 13638 66352
37265 68022 32482 38572 88773 53908 16552 21256 58899 34701

10187 53066 18285 43968 51852 90760 07327 07133 76396 95981
75380 77346 55589 39664 15076 68168 25373 55181 76824 77333
77896 46454 20977 54465 65149 52717 00610 25863 20319 26674
13149 11102 12573 50158 67190 23980 31577 70980 31489 05130
19920 07397 64933 80371 51221 32745 96490 41790 55661 04152
43575 62757 45386 34713 98174 29855 22071 56321 08856 49232
72282 62160 89288 55489 89764 53576 95115 59066 27767 51329
20008 75145 04037 78774 31307 17861 08300 29654 37050 72842
57389 11997 09662 88165 79374 55749 19949 05117 82868 05841
51109 56642 55160 09730 62450 27523 90700 67844 01918 14917
97144 28493 98360 54048 44038 07498 38754 49388 87916 98092
93999 79630 66833 57207 21184 00000

17471/14421 kHz, 29-05, 0000/0100 UTC

47027 47370 42349 99996 09162 20387 32339 40407 93112 97580
45253 38422 44061 24948 86526 73537 96078 30831 62801 78540
86039 39227 67170 59508 22315 57005 34060 63929 94190 64750
12168 39178 32946 65899 28913 48496 60526 73873 44824 36687
86756 41874 21303 62697 41026 65056 50216 41293 49376 09746
18724 60991 92947 49390 07814 70459 08703 11945 47961 50553
18378 68364 80345 14189 96588 16904 97086 01235 14040 42895
58911 60610 16766 58713 13701 36777 27345 53596 64358 02816
79025 08019 59423 07269 18699 52304 04889 26945 39653 74165
20635 42859 30058 04851 89935 81519 48101 38601 75470 88717
59730 65086 00274 28035 99923 19524 17063 21245 43435 80153
14389 72790 95952 67775 33033 45536 41602 27010 91097 79976
07732 93998 41230 74087 32929 80204 08408 66012 49190 27027
81729 86761 14188 10895 58644 75130 54578 03540 65069 71996
06277 17129 77531 91214 62645 88955 76746 49265 66526 85360
63204 00880 07066 29585 37957 72789 07253 83229 17292 62819
13124 36024 22587 16499 20563 83578 87819 58377 00640 97809
30460 40240 09413 19734 34181 48396 93152 29310 16822 37245
24906 72021 82037 81294 33347 46879 78087 62830 09852 85545
12182 37408 04734 77252 93834 44370 48571 19211 05659 54572
59579 97195 25040 72497 22948 25994 45128 34961 53088 04404
68578 73572 74736 64470 72487 33170 83828 19649 67958 63387
74114 41584 02733 25557 40414 20180 80321 82132 94488 86673
94082 60820 54432 04370 99676 10602 93549 56746 74337 91841
59628 87611 36399 67660 10575 97245 00000

14941/12221 kHz, 29-05, 0025/0035/0125/0135 UTC

11177 00117 83175 26022 01469
38721 33953 24835 92675 63179 52892 82054 10025 36239 75142
82829 99198 57354 98493 24948 93329 73255 36476 42370 07066
38134 14868 75193 83942 59418 41779 40875 40928 00311 62666
83754 61738 99998 63886 68821 18386 08073 65569 35044 93771
56938 07865 58357 91347 49446 85985 23119 13691 34981 79303
26592 37847 36369 27208 45355 42594 04053 50234 06232 17149
90645 11062 67694 14567 16541 97001 11376 18737 19408 01477
39585 87289 69118 94787 49909 90348 27906 68509 76080 99487
24814 80636 65477 25696 76474 46396 23016 61854 51111 93672
44191 55016 65976 73968 53276 58135 38969 22425 19226 10108
26365 93306 85692 51604 31553 36549 38586 07957 63324 78530
96341 89044 99448 16501 58601 07170 39865 14510 90056 06457
72732 85913 14290 91742 75571 37785 65741 24618 15254 55729
29579 60850 54650 77450 29574 22196 11780 66371 32719 70626
76743 16758 38116 49276 22144 00000

Knowledge gained through experience made it possible to rewrite the Rivet F06 block parser. Using the new code you will see that the F06 messages are just 5-figure groups and that the headers are in the familiar Russian 5-group format. Messages decoded by Rivet build 90 therefore are quite different than in the older Rivet versions. Below a number of messages decoded with the new version of Rivet and some decoded with the old version.

Note on F06's normal format:

Decoded messages are 5-figure groups without spaces. In the first 25 digits you can see the well-known 5-group Russian header format. And the last two groups are, just like in F01, serial/group count + 00000.

Here is how Rivet used to see link ID's against what they really are:

| | |
|---------------------|---|
| 16404 16405 → 00052 | <p>In the N&O logs database you will see that several ID's have been used in the past.</p> <ul style="list-style-type: none"> - 00052 was last logged on 1 Feb 2003 using RTTY (c/s NQX) - 10053 was last logged on 7 Feb 2005 using Serdolik - 50046 was last logged in 2001 using RTTY - 70004 was last logged in 2001 using RTTY (c/s NOB) <p>The M42 document on www.numbersoddities.nl will be updated soon.</p> |
| 20492 → 10031 | |
| 20501 → 10053 | |
| 32816 32817 → 40122 | |
| 32821 → 40133 | |
| 36882 → 50046 | |
| 41018 → 60146 | |
| 45057 → 70004 | |
| 45075 → 70048 | |
| 45079 → 70059 | |
| 45114 45115 → 70147 | |
| 49237 → 80214 | |
| 53277 → 90073 | |

Link ?????

Link ??? Poor reception and incorrect speed.

14738 kHz, 04-05, 0940 UTC, FSK 200/1000

Very poor

13990 kHz, 04-05, 0950 UTC, FSK 100/1000

Undecodable message; wrong speed

Link 00000

9396 kHz, 04-05, 0710 UTC

Link ID 00000, Date 4th, Serial #73, Groups 361

Link 00365

17488/15623/12226 kHz, 23-05, 1500/1510/1520 UTC

11166 00365 22046 10092 00049

00000 00000 00000 00000

Link 00052 (16404 / 16405)

17488/15623/12226 kHz, 09-05, 1500/1510/1520 UTC

11166 00052 16237 09071 00049

00000 00000 00000 00000

17488/15823/13459 kHz, 10-05/11-05, 0800/0810/0820 UTC

11166 00052 38261 05014 04309

59040 06115 46859 22078 60767 64800 60497 40426 82149 56282

05385 97356 85820 62376 46780 62997 68831 03887 50752 67144

78683 64348 52765 66166 15747 91900 47076 13760 40260 04960

16593 40308 66825 01119 68636 38729 21694 68345 59104 91300

63801 35338 13803 54781 97769 38942 79755 15311 38444 62568

66456 69663 18664 81014 97002 04241 53562 73099 20972 15261

34018 27566 25811 59712 09305 77253 50865 85400 43075 53947

17375 42757 37975 99137 12043 47787 04833 60258 27280 48544

90316 87867 87410 91769 02260 98949 72191 93004 75468 79540

39911 72015 67006 81183 09333 66996 13438 41669 99376 66708
21892 32898 77976 45178 59981 66067 34403 53201 89900 84574
95764 41018 01501 88673 44046 73583 24764 20532 96630 35450
56915 82159 30522 33475 72852 71204 67822 33285 94074 18069
11543 07273 64496 50485 51712 15882 53835 99926 92376 34564
05047 09495 19813 33969 78194 82400 28459 37036 24483 17842
42083 18251 38303 82424 06064 06800 71070 05717 32751 72677
13512 46138 53808 36936 32916 64782 65596 86569 93676 86225
64654 50868 45313 75875 74571 57544 56575 98106 23991 38621
09496 21045 12245 04349 88864 81349 95912 17196 16488 29260
52194 24323 41851 34737 01913 98854 79710 99214 16867 98681
25759 46630 86875 80020 82716 27420 33120 45652 50082 25179
06319 03081 92363 72529 24372 31721 68430 71611 14878 72649
49702 75454 83754 56891 36499 26249 08769 56362 30632 74552
43402 02981 86108 57932 01618 28836 34288 29711 76208 80076
53911 21079 13053 84722 41240 84268 66286 80461 03577 40681
12341 97935 88940 11059 05578 12954 98416 36352 69701 50997
87010 84734 87484 38064 03225 42381 47329 89540 48848 28449
19313 72445 85731 23936 34257 36624 11040 70064 68165 53537
72972 25008 87302 12415 46150 80901 94792 03264 18189 10514
91715 53430 32293 85040 84247 76135 31708 64136 27482 52733
59415 73781 81481 49709 51132 34052 81705 62639 21347 73660
81634 95294 13975 83243 23145 14346 48210 86409 82186 46291
77373 26816 39300 48250 88084 99875 23499 44535 28971 41082
96574 21521 30657 99058 11425 67413 46313 60555 30513 09207
12502 35997 60874 09226 69625 73092 48634 33523 26486 78009
06271 59053 85688 83133 57895 97287 17251 62444 19902 76690
98491 60515 84477 43033 48838 11054 64650 93096 36961 32559
84182 05449 92699 44292 36298 81277 85079 50692 34365 04798
69588 12850 47471 34373 86496 69285 49542 84518 20438 42397
07970 45486 92825 37805 61755 80798 16587 10567 31678 79636
68966 47699 73314 62231 49601 36465 75449 72856 47137 78824
04343 64990 46272 13813 23389 47720 47523 68722 30672 04249
98496 94192 17667 02303 58746 71772 28300 44919 14428 00000

17488/15623/12226 kHz, 16-05, 1500/1510/1520 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 16404 : 16th of month : Msg Number 140 : Msg Type 07145 : Group Count (?) 4

34756 00000 00000 00922 55396 00986 00893 15476

17488/15823/13459 kHz, 24-05/25-05, 0800/0810/0820 UTC

11166 00052 38261 05014 04309

59040 06115 46859 22078 60767 64800 60497 40426 82149 56282
05385 97356 85820 62376 46780 62997 68831 03887 50752 67144
78683 64348 52765 66166 15747 91900 47076 13760 40260 04960
16593 40308 66825 01119 68636 38729 21694 68345 59104 91300
63801 35338 13803 54781 97769 38942 79755 15311 38444 62568
66456 69663 18664 81014 97002 04241 53562 73099 20972 15261
34018 27566 25811 59712 09305 77253 50865 85400 43075 53947
17375 42757 37975 99137 12043 47787 04833 60258 27280 48544
90316 87867 87410 91769 02260 98949 72191 93004 75468 79540
39911 72015 67006 81183 09333 66996 13438 41669 99376 66708
21892 32898 77976 45178 59981 66067 34403 53201 89900 84574
95764 41018 01501 88673 44046 73583 24764 20532 96630 35450
56915 82159 30522 33475 72852 71204 67822 33285 94074 18069
11543 07273 64496 50485 51712 15882 53835 99926 92376 34564
05047 09495 19813 33969 78194 82400 28459 37036 24483 17842
42083 18251 38303 82424 06064 06800 71070 05717 32751 72677
13512 46138 53808 36936 32916 64782 65596 86569 93676 86225

64654 50868 45313 75875 74571 57544 56575 98106 23991 38621
09496 21045 12245 04349 88864 81349 95912 17196 16488 29260
52194 24323 41851 34737 01913 98854 79710 99214 16867 98681
25759 46630 86875 80020 82716 27420 33120 45652 50082 25179
06319 03081 92363 72529 24372 31721 68430 71611 14878 72649
49702 75454 83754 56891 36499 26249 08769 56362 30632 74552
43402 02981 86108 57932 01618 28836 34288 29711 76208 80076
53911 21079 13053 84722 41240 84268 66286 80461 03577 40681
12341 97935 88940 11059 05578 12954 98416 36352 69701 50997
87010 84734 87484 38064 03225 42381 47329 89540 48848 28449
19313 72445 85731 23936 34257 36624 11040 70064 68165 53537
72972 25008 87302 12415 46150 80901 94792 03264 18189 10514
91715 53430 32293 85040 84247 76135 31708 64136 27482 52733
59415 73781 81481 49709 51132 34052 81705 62639 21347 73660
81634 95294 13975 83243 23145 14346 48210 86409 82186 46291
77373 26816 39300 48250 88084 99875 23499 44535 28971 41082
96574 21521 30657 99058 11425 67413 46313 60555 30513 09207
12502 35997 60874 09226 69625 73092 48634 33523 26486 78009
06271 59053 85688 83133 57895 97287 17251 62444 19902 76690
98491 60515 84477 43033 48838 11054 64650 93096 36961 32559
84182 05449 92699 44292 36298 81277 85079 50692 34365 04798
69588 12850 47471 34373 86496 69285 49542 84518 20438 42397
07970 45486 92825 37805 61755 80798 16587 10567 31678 79636
68966 47699 73314 62231 49601 36465 75449 72856 47137 78824
04343 64990 46272 13813 23389 47720 47523 68722 30672 04249
98496 94192 17667 02303 58746 71772 28300 44919 14428 00000

17488/15623/12226 kHz, 30-05, 1500/1510/1520 UTC

11166 00052 14257 30053 00049
00000 00000 00000 00000

Link 10031 (20492)

14638/12156/10164 kHz, 10-05, 0915/0925/0935 UTC

11166 10031 14092 10137 00049 (note operator's typo in 4th group)
00000 00000 00000 00000

Note from Danix:

Interestingly, the 0915/0925/0935z schedule was served with a misencoded date. Not a decoding error, as the CRC was verified positively:

F06: Block #0: 00610020000000000000000000000000 | CRC OK | Block count: 3; Messages: 1; Message positions: 1

F06: Block #1: 1be9500c72170655c804e10000000000 | CRC OK

F06: Block #2: 00000000000000000000000000000000 | CRC OK ^C[{ header: 'Link ID 20492, Date 10.1th, Serial #37, Groups 4',
text: '1be9500c72170655c804e100' }]

14638/12156/10164 kHz, 24-05, 0915/0925/0935 UTC

11166 10031 13579 24001 00049
00000 00000 00000 00000

Link 10053 (20501)

19214/17419/14443 kHz, 02-05, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,09,40,04,70,03,70,0e,20,0d,90,08

Block No 1 : Link ID 20501 : 2nd of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

48908 00000 00000 03528 12857 34000 00893 14739

19323/17536/14356 kHz, 07-05, 1530/1540/1550 UTC

11166 10053 13579 07001 00049
00000 00000 00000 00000

19214/17419/14443 kHz, 09-05, 1650/1700/1710 UTC

11166 10053 13579 09001 00049
00000 00000 00000 00000

19323/17536/14356 kHz, 14-05, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 20501 : 14th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

01476 00000 00000 02599 26517 35294 00893 34794

19214/17419/14443 kHz, 16-05, 1650/1700/1710 UTC

11166 10053 14265 16065 00049
00000 00000 00000 00000

19323/17536/14356 kHz, 21-05/22-05, 1530/1540/1550 UTC

11166 10053 78302 19061 01609
81552 63845 29492 54585 61376 11521 71287 28521 98092 40000
31158 32671 90082 22267 86496 09076 07847 47181 76679 77940
25285 94258 16935 94507 52499 36739 86245 87540 48975 62480
15993 22364 25874 77496 30195 81851 61450 54993 42885 15948
63373 02247 88149 55933 53991 33991 20488 11516 95061 37359
05091 11517 12500 00689 00028 22386 20034 64028 40374 47022
40073 94252 38961 88969 71862 17316 73363 73660 56577 48245
99492 10345 68194 27459 48996 48184 27003 67956 28343 05608
32428 33586 05185 77551 14560 45258 03440 49294 52962 54038
08774 32475 27345 84160 52734 36793 26138 71027 76779 20834
01916 40315 70161 31742 72704 44189 92705 29116 74959 93584
82807 40238 96294 47800 95703 25974 17465 03426 04372 19883
70280 54235 61773 64812 74591 25154 09697 76078 49362 18716
72713 76291 53132 76100 59609 00446 29874 05302 93846 51396
18692 01692 48154 36689 05122 13517 50983 65869 81374 81637
79796 56677 27612 03399 51277 01177 59520 44300 61158 00000

19214/17419/14443 kHz, 23-05/24-05, 1650/1700/1710 UTC

11166 10053 57381 22065 01669
97206 84506 32354 47395 42497 52986 10452 22879 26319 12929
13291 72504 74067 83128 77936 55852 28024 70669 70718 46587
82303 73290 97383 61053 99505 24843 49202 30378 11566 05177
69946 91212 77472 08976 40324 94982 00150 93194 60761 26372
61488 81873 40369 39370 61685 91602 69533 59628 58703 65912
72636 51471 82449 81559 71781 83078 86665 11543 87106 30705
36793 97948 26489 92724 00042 02277 46919 89290 63869 44534
85890 77611 42177 50228 15166 11241 24563 76955 09841 49988
55551 94256 22856 97444 60998 55078 17772 30974 27503 71208
93698 06788 72549 23283 78593 97934 40160 11491 41559 26039
10106 59254 63044 09117 08861 67209 20114 43013 88966 97102
44944 25445 14775 40867 66875 15422 86774 69809 26577 62102
70313 12901 84211 21133 86092 41313 75876 88376 35045 90572
50586 07840 18098 67654 26794 89865 93135 79043 75436 63313
41927 10500 99298 09027 55431 90349 57896 62985 27255 34396
58334 07720 98422 71756 38433 64002 59419 41596 40993 27262
42927 90573 34783 86478 65164 00000

19323/17536/14356 kHz, 27-05/28-05, 1530/1540/1550 UTC

11166 10053 63259 28001 00049
00000 00000 00000 00000

19214/17419/14443 kHz, 30-05, 1650/1700/1710 UTC

11166 10053 13579 30001 00049
00000 00000 00000 00000

Link 70048 (32816/32817)

17420/15673/13361 kHz, 03-05/04-05, 0600/0610/0620 UTC

11166 70048 75896 03051 00049
00000 00000 00000 00000

17420/15673/13361 kHz, 10-05/11-05, 0600/0610/0620 UTC

11166 70048 15973 10046 00049
00000 00000 00000 00000

17420/15673/13361 kHz, 17-05, 0600/0610/0620 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,90,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 32816 : 17th of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 4

22796 00000 00000 01242 55757 33523 00893 27690

14694/12223/10163 kHz, 24-05, 0800/0810/0820 UTC

11166 70048 18764 24027 00049
00000 00000 00000 00000

14694/12223/10163 kHz, 30-05/31-05, 0800/0810/0820 UTC

11166 70048 18764 31041 00049
00000 00000 00000 00000

Link 40133 (32821)

18751/16174/14563 kHz, 06-05, 2100/2110/2120 UTC

11166 40133 13579 06001 00049
00000 00000 00000 00000

18751/16174/14563 kHz, 13-05, 2100/2110/2120 UTC

Null message on link 40133

18751/16174/14563 kHz, 20-05, 2100/2110/2120 UTC

11166 40133 14806 20031 00049
00000 00000 00000 00000

18751/16174/14563 kHz, 27-05, 2100/2110/2120 UTC

11166 40133 13579 27001 00049
00000 00000 00000 00000

Link 50046 (36882)

15634/13547/11622 kHz, 06-05/07-05, 1100/1110/1120 UTC

11166 50046 74381 05094 03449
14679 79072 92903 40530 71746 63687 57196 63673 19894 20168
70902 82228 41185 59127 06291 43036 38493 69767 10318 10277
17400 19710 18634 37165 07075 53089 33545 83298 05122 74299
95331 25153 69250 01415 03483 78871 44645 27774 05318 39094
72578 86061 36455 14382 81511 82537 57942 50758 28651 56577
08658 16640 59686 01442 19131 45900 63497 61220 17638 23374
36671 13692 41189 08988 31322 02290 35874 70517 60173 83115

42383 08800 70031 12076 48252 21672 13762 21857 78695 98021
41000 16970 15093 02958 57091 09224 05325 35286 25005 30358
68945 35228 35029 79436 95983 05424 05018 11702 69889 64758
84849 65070 30525 21112 64416 85931 26254 53528 08995 01206
54862 31277 07690 51602 33731 67259 29869 67420 01562 67790
38694 53972 50154 67226 21212 29392 14764 40730 73000 16250
11702 44186 18667 46021 80062 73542 14317 80663 29839 86350
18501 75641 27655 33153 83306 86463 80291 36262 73617 35131
47860 94183 57495 59268 43793 52826 41035 47722 10395 33657
10044 64546 07857 41994 15834 15471 22505 34408 21372 40302
81900 11793 26859 18487 31100 38257 83160 97172 93400 23421
95393 59505 43579 90972 22031 56869 08906 68956 43703 76750
17493 75990 00121 65763 57573 84253 04277 54536 33181 51356
30037 20663 16258 78968 02013 31462 59854 39480 64400 23489
64092 32149 25698 08594 18853 83986 72078 78986 36391 91653
03691 51362 90823 68139 22126 68952 51454 17937 65464 78179
55515 63816 59238 42490 49861 63749 61778 86807 09305 53607
92146 64355 81618 46623 87352 91267 91012 28761 80101 51788
86187 38208 43978 23686 27082 08396 23351 79175 19544 43788
06480 30143 34485 36555 32309 88959 60079 81638 28893 24399
26202 39606 44548 33383 55734 50413 04798 38364 07446 41046
78634 88520 03743 74398 17857 09958 38634 48675 86665 16596
22792 35600 05654 98489 69844 10733 99705 51011 09269 91010
92162 80654 14968 39638 28617 25902 28726 92127 14628 87276
14405 87683 70674 36468 48295 55916 99885 37162 55689 97754
70366 56407 96912 05896 77866 99990 31981 66732 60931 89818
64178 77630 42541 69597 00900 87652 72683 24645 47558 37660
32710 72900 94342 00000

15634/13547/11622 kHz, 13-05/14-05, 1100/1110/1120 UTC

11166 50046 95741 12095 05869
67889 69089 92903 40530 24956 53694 57196 63673 62004 10175
70902 82228 69582 65177 31599 44956 54130 89828 29736 75923
97620 21202 74322 89366 69741 46918 39428 39104 06509 98400
10125 26234 07981 32603 08325 06952 14382 25814 61921 94243
85768 81376 38554 86282 72322 04886 14376 27132 99369 18868
21543 79306 37259 77230 73175 73889 87425 07335 80227 76967
95075 83509 29690 08397 64358 56440 59348 35568 31447 22347
47449 12918 41841 64137 31920 82681 20993 33228 91458 29536
08208 49772 74479 35792 92050 17804 85242 52346 05341 05130
47932 48882 37534 29839 97186 53952 99598 88179 70783 84058
75052 68967 12539 93694 52481 40130 26505 91483 15841 99800
35475 07078 26147 24623 66225 41623 02588 05255 40477 79323
44070 08620 73439 66729 91052 91278 21196 46551 69515 79278
66608 11397 03465 97501 83691 76738 37309 41152 89794 11034
53677 72425 08723 57708 82633 99235 64223 12853 14399 05293
84463 59152 92648 37011 95257 15064 27991 34024 05374 68209
31445 84808 07194 98037 01584 32507 90919 89410 38478 98320
42063 04204 36511 10699 38151 40751 01164 51703 52428 73094
01202 73339 94963 46596 07168 40853 30898 88729 67483 67719
27957 00976 08267 81338 61582 29207 11254 16224 61490 55508
37250 22635 59485 28360 32476 19372 18253 58326 89272 24924
05194 84385 85830 89648 17338 86037 14366 41425 70279 97635
05894 34726 38077 17073 03700 13684 52986 23488 46219 33235
21069 48809 62454 47044 68383 86209 78289 85918 72565 94636
38376 43989 86164 94217 47450 95353 57945 33266 98137 54883
90523 89740 62141 98109 28131 50573 99936 18732 15154 86592
74055 04866 19482 76797 43874 34271 01831 08587 31513 28751
83103 97632 98799 71771 52846 65281 74777 37532 08124 66008
64562 82998 99571 74609 88853 95456 15119 23999 57637 53292

65637 18705 32459 33539 20236 71924 28714 87068 09090 40971
08023 82785 83400 45321 75921 83091 41054 52919 67288 93483
77565 04298 45047 36751 77418 54704 21856 27044 26501 80927
48044 91457 31731 73336 60485 88449 24427 21366 02163 45488
07991 02314 61613 62965 64382 79969 47582 48608 84785 65618
37947 11955 87770 97279 92057 75196 99308 57485 30988 20652
85216 18385 98225 38372 93778 51678 82587 02534 28775 01379
39789 08736 20901 11517 41261 54521 18650 37225 32037 64993
50220 69217 02464 29920 45964 79086 18541 41135 93048 29429
34272 59819 99073 77365 24895 65875 37070 71944 43678 45820
07664 25870 63230 86007 74289 26609 13002 59356 06542 98778
05236 30575 88062 08891 66298 20724 57880 64289 94429 03136
17195 00879 42938 94970 70662 29630 15609 76432 20763 73966
52984 84552 16309 16246 26106 32189 67405 48253 05372 56967
94823 17462 66509 61953 70438 15927 21440 25996 14775 02474
23591 56193 31128 29957 38799 97252 10151 89300 86645 32055
48012 43811 61083 80586 82934 03736 20979 69708 98873 43059
78717 40626 81315 82544 66613 48618 37660 07947 83694 36349
77778 21678 72348 13058 67183 92099 92782 87481 53523 47560
68876 12300 33176 85591 06748 13090 32498 38153 73353 70727
32808 74776 47933 46307 69437 20954 17888 95492 77085 59554
73286 31759 12178 49121 02261 66190 00246 69172 25146 88388
50821 34096 83069 14227 06930 28235 43784 67854 56129 58198
62483 79818 65690 42126 22718 84671 20524 55204 35922 83498
47236 20578 12192 32181 37571 14389 55345 07776 74812 81743
54778 36958 37615 08731 39205 56789 45336 92492 74208 04891
59730 48613 10059 80256 97720 33638 30100 74639 74385 28551
72291 21532 29481 65049 93610 90358 15259 58046 21329 83574
37283 24563 36888 07239 46020 67026 81743 76685 75672 55165
66001 52576 21068 11272 95584 00000

15634/13547/11622 kHz, 20-05/21-05, 1100/1110/1120 UTC

11166 50046 82410 19096 03149
44609 59086 92903 40530 01776 43691 57196 63673 49824 00172
70902 82228 73097 23129 65760 85800 79274 30072 16789 37889
82551 88157 91859 69419 36499 45756 01754 60523 83302 38374
60672 52071 03800 21015 47075 58006 71072 89531 08321 77756
59113 46005 22719 78696 87455 01670 88893 00038 09821 41108
54321 50675 97980 51084 55364 43943 54342 34031 24994 30833
72767 62147 83206 16644 62930 10776 07699 57604 05988 61771
89998 35662 06204 28942 74366 97033 57143 78067 52911 62180
78461 40397 05831 53515 00126 22008 27137 29624 34589 25647
24435 44324 87279 63130 54623 02903 30493 91085 85880 94433
87692 36858 97878 44387 71523 17764 76298 86404 14147 03593
52074 33724 19177 82626 81848 84644 14841 01746 40951 78993
45323 36761 26983 53853 37000 02401 04009 88653 03670 22526
22980 36635 89669 03125 86770 50567 49917 56775 15341 36391
59298 40023 41359 55700 79195 24235 13620 54170 75265 31046
39731 70096 32775 89810 09291 01870 14568 22189 08950 56058
83514 93909 81490 70023 86864 27483 00031 70097 68866 18036
88576 48027 05620 24041 23715 35310 73682 04670 67942 39636
77710 59812 62921 02878 65378 81590 03568 79748 73256 39193
20301 96899 88216 25967 44869 75682 31055 44836 72940 07408
59682 91859 72639 20687 25979 49092 70558 27177 22359 30742
31206 22082 22662 39333 10740 52873 29007 94188 83430 67759
89265 68309 19287 55947 09406 44775 92838 14046 99052 59487
21005 88835 39410 95321 23404 51222 13226 50480 96092 95855
11958 84207 17212 58024 16201 96335 17108 33612 91973 05103
29764 98949 37972 87071 87332 28105 40430 45314 19291 08277
63042 06562 02274 75448 31050 37066 82021 77405 47586 95320

23947 30673 33748 28270 17985 42862 52139 97716 92977 07016
71861 23322 12098 36767 53121 97596 68305 51717 73136 84915
36195 48769 36433 02308 58343 57929 92896 14336 05045 09905
55885 50539 66205 94186 55370 75425 38363 00163 92064 05562
01369 42849 96312 00000

15634/13547/11622 kHz, 27-05/28-05, 1100/1110/1120 UTC

11166 50046 37519 26097 02929
47749 49093 92903 40530 04816 33608 57196 63673 42964 90189
70902 82228 96715 67047 91867 18623 50688 37835 18615 19406
15105 28010 57138 74800 33672 14634 36643 65810 07597 52292
62615 15209 74223 53527 89053 80483 74119 47143 00754 50588
48029 32935 98116 01980 61665 74680 34598 61759 61204 44168
87982 74359 08804 41910 05254 59566 85262 24701 16104 88416
70590 99064 48785 62107 61212 74114 06210 93052 14463 01705
74480 09981 05213 97150 83770 75516 45751 47276 19829 35912
08817 65985 33676 85500 59316 15075 57544 73516 64477 46581
38526 19412 32691 91295 98086 03842 25121 82412 13443 26333
32620 18232 60826 49074 40122 83920 01034 66958 00300 45360
80626 58376 79406 71743 08726 69598 39093 73387 63945 66562
26845 87370 66634 86368 56325 00912 53265 59430 84782 11995
21705 70606 64332 79585 36916 74644 00404 67051 84126 72290
45236 24407 97247 86566 79065 83699 52035 71741 54251 40824
81625 65130 07129 30455 41749 73244 85956 26121 10658 05784
57457 79507 67501 53538 65206 78349 39744 06954 86136 66871
62902 60944 57020 33279 58790 79935 21703 92630 64961 31652
83913 52533 31560 68489 51820 98485 67462 83662 25874 59827
42576 54674 46412 76846 47817 91437 45164 80544 30867 35778
06385 89352 39966 04327 89343 75812 73839 03807 79756 79615
33419 53511 05728 10561 11714 78656 75749 36558 25340 58447
66581 63027 43404 27692 93302 25092 94122 34079 67850 13690
10850 23157 00419 78088 01858 53042 05814 73047 42897 57770
99184 03102 85694 20772 58355 78724 52838 38396 01519 43640
97062 56888 27140 85260 08462 30186 43368 16471 43281 78787
05791 55768 36830 78696 69230 20211 99682 80157 91931 00177
51604 12709 93129 87475 38569 43205 58103 21030 20372 28518
34553 28625 93025 92114 19139 90842 24760 17906 18654 41020
97290 00000

Link 60146 (41018)

16321/14881 kHz, 29-05, 0200/0300 UTC

11166 60146 00000 29091 02459
93553 29692 12991 26222 19657 66115 34319 77254 38478 87015
15247 76451 69266 25027 75965 84806 92157 31695 03464 58618
70465 07638 96122 41238 53134 33597 12711 76776 87070 50807
67959 56733 94006 64107 41905 35471 91621 66256 95193 75467
63573 06871 07524 08299 08153 54431 81426 22282 20236 24790
78563 12710 86218 74623 80730 55623 96642 83262 92755 91061
06165 71335 29482 26714 95592 29673 54020 97925 15651 56897
59451 44987 17178 29140 11184 93641 97429 50334 92134 49764
17189 56501 17937 44121 68363 72485 14344 88185 96754 44563
74044 26903 09700 97370 35040 99389 23250 88586 47808 43458
28599 59804 23417 04943 82435 07033 79778 37742 50902 19266
28244 05520 61863 58555 67712 21006 45156 80019 78446 83832
65520 15241 77531 91844 77888 67473 64942 13810 59730 92102
67057 28499 00131 60804 03730 76025 50299 32822 62173 22424
65188 81821 80220 79382 90915 51740 19334 38078 77670 40084
74831 89038 22799 32101 40503 13987 73756 34269 69812 60587
45598 80543 00866 36045 32723 09788 37339 80488 19537 37844

02546 06072 19721 72654 08844 12746 98817 45906 09558 16614
59789 59600 25606 51837 96265 71008 64027 32002 43139 64444
70585 81898 79228 83289 83646 75655 61668 20709 81508 42147
96727 92495 40384 23636 76742 40485 45204 98564 37850 39969
20450 04453 18211 09553 73189 21827 21404 46894 65505 05118
14688 38749 58509 71481 16813 18787 95121 83449 55069 71580
13814 86380 96263 06238 10492 86627 81308 48092 90705 81359
18110 21903 79392 75996 00000

The serial-GC post-amble is missing

Link 70004 (45057)

17426/15818/13396 kHz, 13-05, 0900/0910/0920 UTC

11166 70004 12347 13001 00049
00000 00000 00000 00000

17426/15818/13396 kHz, 26-05/27-05, 0900/0910/0920 UTC

11166 70004 13782 07094 01889
45459 46335 12511 83155 75405 29070 44236 31383 84356 06256
35519 77552 88139 59059 40536 02934 39386 22724 31126 54039
97176 80255 19013 82574 94437 56626 28305 55454 18843 82000
03754 69952 79750 52977 60578 62906 96907 88749 79878 63195
96898 23359 50650 52590 09014 43997 94194 30542 82384 53097
72103 64180 40000 66991 54743 00055 85191 81249 69701 04727
83112 50261 10551 39826 44448 89041 51970 04464 47929 34717
44611 58922 81702 07534 38827 38911 01378 55518 79376 11069
35328 01517 34077 92843 96916 25268 06849 38263 86442 10612
41446 12042 17239 36290 92554 07010 21258 58572 00520 46866
23957 63557 54695 19932 52818 42839 12549 26970 39920 92508
07153 63189 49998 98384 85466 82939 37108 89197 43122 42871
88466 41246 42873 90457 52952 77778 72490 10075 11955 99984
37405 47274 20324 74691 15894 55435 88336 68273 76013 28013
31115 36629 42199 93287 44751 72521 59883 49332 91654 89059
05771 35554 81681 64970 08120 89331 21928 10793 63785 70907
64250 65944 69309 21240 71433 19922 44300 88922 71676 12298
08622 30643 47702 90622 18387 38788 94186 00000

Note from Danix:

Strange behavior from this schedule lately. 2 weeks ago it sent a null message, which it almost never does.
Now it's re-sending the message they sent on April 8 and April 22.

Link 70048 (45075)

14694/12223/10163 kHz, 03-05, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 45075 : 3rd of month : Msg Number 127 : Msg Type 07145 : Group Count (?) 4

48640 00000 00000 01255 26649 35385 00893 16977

14694/12223/10163 kHz, 10-05, 0800/0810/0820 UTC

11166 70048 15973 10046 00049
00000 00000 00000 00000

14694/12223/10163 kHz, 17-05, 0800/0810/0820 UTC

11166 70048 16328 17034 00049
00000 00000 00000 00000

Link 70059 (45079)

11414/10169/8169 kHz, 01-05, 0400/0410/0420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

3d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 45079 : 1st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

06412 00000 00000 03789 38380 32870 00893 20548

17488/15623/12226 kHz, 02-05, 1500/1510/1520 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

3d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 45079 : 1st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

06412 00000 00000 03789 38380 32870 00893 20548

17488/15623/12226 kHz, 09-05, 1500/1510/1520 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

7d,12,b0,e6,00,00,00,00,00,00,60,00,10,00,00,00,00,08,20,04,00,04,00,08,40,0b,40,06,70,03,70,0e,20,0f,90,08

Block No 1 : Link ID 16404 : 9th of month : Msg Number 177 : Msg Type 07145 : Group Count (?) 4

33716 00000 00000 03146 55396 32849 00893 08837

11414/10169/8169 kHz, 15-05/16-05, 0400/0410/0420 UTC

11166 70059 52369 15001 00049

00000 00000 00000 00000

Link 70147 (45114 / 45115)

14644/12193/10184 kHz, 13-05/14-05, 0800/0810/0820 UTC

11166 70147 36987 12056 00989

56655 13198 97678 58128 32221 93975 80470 94306 48015 87306

85734 84902 04967 77193 31137 10825 28049 34783 74600 77295

89291 16003 65717 77719 63906 42478 52416 74331 61448 57403

56444 41670 99286 29981 41779 49237 11451 58823 84282 46782

42714 66344 77131 87660 74831 98038 29242 41422 03737 64557

30611 53073 48400 40910 65630 09730 28642 47964 53766 32706

96457 13045 95939 92219 29905 24408 20147 33940 35853 84019

25218 15953 34198 31461 09441 49695 98803 80072 45431 28762

62557 10305 39605 25823 38199 42082 93958 82065 41206 77178

46779 59552 89257 68805 18426 56623 56096 00000

14644/12193/10184 kHz, 26-05/27-05, 0800/0810/0820 UTC

11166 70147 63294 26057 00509

52605 93102 97678 58128 38271 73989 80470 94306 44065 67310

85734 84902 91173 41859 43065 66564 60299 57864 93228 08612

85432 55311 16512 34995 23980 50211 42834 10893 26924 13369

24193 96424 67191 83939 98695 78643 06343 90805 71813 58085

17286 38424 35603 51866 49878 13945 98213 73551 57048 00000

Link 80214 (49237)

16328/14358/11146 kHz, 04-05, 1330/1340/1350 UTC

11166 80214 95413 04083 00049

00000 00000 00000 00000

16328/14358/11146 kHz, 11-05, 1330/1340/1350 UTC

11166 80214 85213 11072 00049

00000 00000 00000 00000

16328/14358/11146 kHz, 25-05, 1330/1340/1350 UTC

11166 80214 74128 25012 00049

00000 00000 00000 00000

Link 90073 (53277)

17430/15814/13487 kHz, 03-05, 1230/1240/1250 UTC

11166 90073 17935 03065 00049

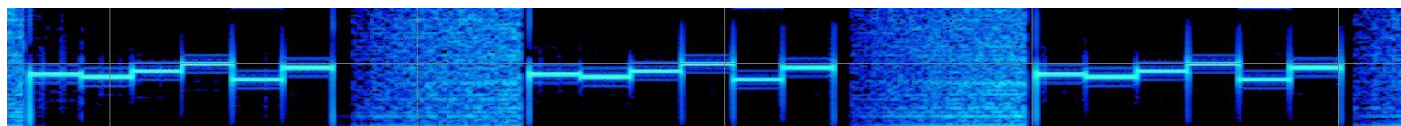
00000 00000 00000 00000

17430/15814/13487 kHz, 17-05, 1230/1240/1250 UTC

11166 90073 15963 17001 00049

00000 00000 00000 00000

X06 - Mazielka



Sequence: 324615

| Code | Freq | Date | UTC | Sequence |
|------|-------|------|------|--|
| X06 | 14615 | 2-5 | 0803 | Mazielka. Sequence: 125643 |
| X06 | 15836 | 2-5 | 0803 | Mazielka. Sequence: 165423 |
| X06 | 14358 | 2-5 | 0830 | Mazielka. Sequence: 154263 |
| X06 | 16188 | 2-5 | 1202 | Mazielka. Sequence: 325614 |
| X06 | 16184 | 2-5 | 1203 | Mazielka. Sequence: 325614 |
| X06 | 16219 | 5-5 | 0834 | Mazielka. Sequence: 324615 |
| X06 | 14550 | 11-5 | 0833 | Mazielka. Sequence: 153624 |
| X06 | 14863 | 12-5 | 1400 | Mazielka. Sequence: |
| X06 | 14538 | 14-5 | 1900 | Maziela. Sequence 145632 before XPA2 |
| X06 | 14615 | 16-5 | 0831 | Mazielka i.p. Sequence: 125643. Ends at 0834 UTC |
| X06 | 14615 | 16-5 | 0835 | Mazielka. Sequence: 154263 sent 1x then off |
| X06 | 14650 | 17-5 | 1107 | Mazielka. Sequence: 215346 |
| X06 | 16219 | 19-5 | 0826 | Mazielka. Sequence: 324615 |
| X06 | 14812 | 25-5 | 1405 | Mazielka. Sequence: 263145 |
| X06a | 14828 | 5-5 | 1813 | Mazielka. Sequence: 343434 before XPA2 |
| X06a | 17462 | 5-5 | 1819 | Mazielka. Sequence: 343434 before XPA2 |
| X06a | 17462 | 14-5 | 1812 | Maziela. Sequence 343434 before XPA2 |
| X06a | 14828 | 14-5 | 1813 | Maziela. Sequence 343434 before XPA2 |
| X06a | 14828 | 14-5 | 1814 | Maziela. Sequence 343434 before XPA2 |
| X06a | 14828 | 14-5 | 1816 | Maziela. Sequence 343434 before XPA2 |
| X06a | 14828 | 14-5 | 1818 | Maziela. Sequence 343434 before XPA2 |
| X06a | 17462 | 14-5 | 1818 | Maziela. Sequence 343434 before XPA2 |
| X06a | 17462 | 14-5 | 1819 | Maziela. Sequence 343434 before XPA2 |
| X06b | 13320 | 2-5 | 0736 | Mazielka. Sequence: 1--6-- Ends at 0740 UTC |
| X06b | 12157 | 2-5 | 0809 | Mazielka. Sequence: 1--6-- Ends at 0821 UTC |
| X06b | 18320 | 2-5 | 0813 | Mazielka. Sequence: 1--6-- Ends at 0820 UTC |
| X06b | 14320 | 2-5 | 1108 | Mazielka. Sequence: 1--6-- |
| X06b | 13850 | 12-5 | 1202 | Mazielka. Sequence: 1--6-- |
| X06b | 13538 | 14-5 | 1914 | Maziela. Sequence 1--6-- |
| X06b | 14538 | 14-5 | 1915 | Maziela. Sequence 1--6-- |
| X06b | 13538 | 14-5 | 1917 | Maziela. Sequence 1--6-- |
| X06b | 14538 | 14-5 | 1918 | Maziela. Sequence 1--6-- |
| X06b | 18790 | 15-5 | 1116 | Mazielka i.p. Sequence: 1--6--, ends at 1236 UTC |

| Code | Freq | Date | UTC | Sequence |
|------|-------|------|------|--|
| X06b | 13538 | 16-5 | 1847 | Mazielka. Sequemce: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1848 | Mazielka. Sequemce: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1848 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1854 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1856 | Mazielka. Sequemce: 1--6-- before XPA2 |
| X06b | 13538 | 16-5 | 1857 | Mazielka. Sequemce: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1857 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 14538 | 16-5 | 1858 | Mazielka. Sequemce: 1--6-- before XPA2 |
| X06b | 13538 | 23-5 | 1857 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 14538 | 23-5 | 1857 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1810 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 17462 | 26-5 | 1811 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 17462 | 26-5 | 1814 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1817 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 17462 | 26-5 | 1818 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1915 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1917 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1918 | Mazielka. Sequence: 1--6-- before XPA2 |
| X06b | 16114 | 26-5 | 1930 | Mazielka. Sequence: 1--6-- before XPA2 |



XPA

Mode: MFSK-20/10Bd

10868/12168/13368 kHz, 03-05/06-05, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
06211 00063 74307 31491 71292 77608 33742 21725 64752 49318
56555 84432 74442 56063 82644 46350 42234 51688 31121 98690
56343 39946 21923 58186 53157 80585 35863 31348 16721 56245
15867 24617 27432 78624 06717 69150 01901 04761 89772 95455
19317 07333 41320 19731 51419 95821 12297 38848 32597 61354
63947 11023 81102 35352 45804 88845 65103 05217 25889 01246
73337 32169 87025 15263 04541 01011

10868/12168/13368 kHz, 10-05, 0600/0620/0640 UTC

813 813 813 000
08543 00001 00000 10140

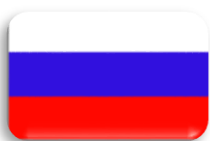
10868/12168/13368 kHz, 13-05, 0600/0620/0640 UTC

813 813 813 000
03688 00001 00000 10140

10868/12168/13368 kHz, 17-05/20-05, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
02086 00131 86843 00943 92591 54114 99127 05438 22804 98073
65118 29760 21447 54196 93171 65402 90767 90704 58781 26719
11237 74027 39672 09123 97348 73369 58710 35104 65324 48379
22946 68635 45731 74528 81561 57954 02096 44964 97295 52020
45864 67041 26734 01627 42473 69353 68874 70396 04644 81857
95904 30451 74380 48436 14165 90037 72695 85996 80465 06522
02562 39507 86129 64317 22304 09063 33193 19038 44048 23046
57745 46503 79659 20389 01389 84956 12309 25293 76719 23058
10175 01267 70079 42373 41859 12038 96230 83403 91853 44531
80404 37901 70258 52332 00968 69858 07567 95502 86361 81729

11595 76136 70657 99497 25446 43214 63757 02830 45764 82351
56601 79028 24760 54776 34932 35227 10478 35596 04048 04744
70742 99073 99645 24014 30785 21076 71119 61857 00749 50299
77953 56062 72010 17013



XPA2

Mode: MFSK-16/20Bd

19667/18767/17467 kHz, 02-05, 0700/0720/0740UTC

02425 00001 00000 10140

14538/13538/12138 kHz, 02-05, 2000/2020/2040 UTC

05928 00001 00000 10140

19667/18767/17467 kHz, 05-05, 0700/0720/0740UTC

08636 00001 00000 10140

16314/15814/14514 kHz, 05-05/07-05, 1500/1520/1540 UTC

01045 00083 35541 32448 00900 32508 20073 12116 75656 76380
98306 34925 91386 46672 93666 95461 12614 95586 05979 92598
36240 17640 89319 42008 56731 05142 98680 30541 50437 24295
07516 30133 56790 94646 48530 88578 99495 95162 89965 12025
88630 56476 41575 01105 04614 90116 44054 21334 63255 07193
14133 90322 26565 74562 87196 68926 54620 54727 79455 70726
39259 94723 06149 89784 62440 46299 45203 22071 29677 41925
17921 22933 78832 10629 30655 47727 41829 08752 66623 36233
41716 23193 95855 31149 72009 33617

17462/16114/14828 kHz, 05-05/06-05, 1900/1920/1940 UTC

09288 00059 13812 26829 00646 21008 04443 59067 59142 35252
90353 93203 15506 86633 64677 97739 36208 75862 98378 61965
85511 01424 31618 23231 10255 15145 35579 10276 95876 64975
05799 95801 82161 27945 59063 66384 87190 54159 14627 43776
74501 41365 74795 29786 77274 81089 03834 83473 67176 97204
63877 89152 22577 63251 10649 65890 38498 79787 91247 61998
19980 10154

14538/13538/12138 kHz, 07-05/09-05, 2000/2020/2040 UTC

08880 00049 26075 38388 59994 51796 51533 11182 21733 06029
20857 03475 31958 48608 32168 55267 55355 08416 06018 54288
02642 44157 83856 07121 39025 37332 22270 29939 82188 57998
50447 70761 87089 11350 49535 00920 04405 04824 04606 54525
33267 48783 08531 98007 07381 48607 68532 87307 96189 66825
95606 44422

19667/18767/17467 kHz, 09-05, 0700/0720/0740UTC

03193 00061 99423 80285 34781 85569 76708 02937 93869 82554
43370 75476 19824 00270 47903 10583 23679 02943 86919 39649
26588 63798 52020 09803 47646 08926 55427 63780 48685 30680
46316 05104 73734 53613 86455 67381 60420 28848 56988 73254
10931 75191 81203 22375 38383 11428 99700 30677 98210 79425
91767 25830 30771 49759 34652 74719 33759 69940 43537 62188
86811 57086 37147 36512

19667/18767/17467 kHz, 12-05, 0700/0720/0740UTC
01820 00001 00000 10140

16314/15814/14514 kHz, 12-05, 1500/1520/1540 UTC
04592 00001 00000 10140

17462/16114/14828 kHz, 12-05, 1900/1920/1940 UTC
07331 00001 00000 10140

17462/16114/14828 kHz, 13-05, 1900/1920/1940 UTC
06097 00001 00000 10140

16314/15814/14514 kHz, 14-05, 1500/1520/1540 UTC
09457 00001 00000 10140

14538/13538/12138 kHz, 14-05, 2000/2020/2040 UTC
03328 00001 00000 10140

19667/18767/17467 kHz, 16-05, 0700/0720/0740UTC
04500 00001 00000 10140

14538/13538/12138 kHz, 16-05, 2000/2020/2040 UTC
05753 00001 00000 10140

19667/18767/17467 kHz, 19-05, 0700/0720/0740UTC
02746 00001 00000 10140

16314/15814/14514 kHz, 19-05/21-05, 1500/1520/1540 UTC
03098 00207 56218 23637 75252 78646 33299 44964 61278 44228
51007 69800 39037 40143 42711 89662 82502 71438 99574 21788
01543 67002 82454 01147 23657 71328 23514 75708 26610 29098
78878 42531 91360 06646 63443 36031 36274 84215 92848 32321
12082 31587 97824 45392 98053 69506 48451 51679 12548 96333
60841 61759 87159 48792 17563 87822 35990 50144 44676 39279
73338 24760 84822 65510 53476 29478 76213 85798 88417 25777
44004 78912 80095 32605 37690 43879 95943 78053 27270 54048
45698 46217 17519 71614 29561 31706 21242 18189 84235 59844
26168 70513 93836 94826 37431 09520 27649 84212 36079 42907
09467 80255 71449 68175 47717 11236 12946 67604 06935 43740
69717 03401 10131 04396 98664 68331 18561 75458 22695 38344
35637 08349 52692 45305 32985 11865 69450 36234 53824 08936
38661 56299 75192 06480 10914 78014 24663 68686 34182 55344
50727 99143 48638 59924 05797 72401 12181 35050 43478 41904
23061 83848 63950 12077 36151 86234 22969 54948 50150 92997
98589 67845 70685 06785 11441 14446 72758 72738 48703 98908
58860 59888 68530 15169 07639 22220 86002 63019 43072 00081
77943 76816 32285 59750 16149 91236 65358 78913 25727 34789
69711 33181 77814 67414 85439 71836 35824 57941 95664 56459
95800 79397 67106 44869 39184 38752 86497 01931 15516 20325

17462/16114/14828 kHz, 19-05, 1900/1920/1940 UTC
01116 00001 00000 10140

17462/16114/14828 kHz, 20-05, 1900/1920/1940 UTC
02241 00001 00000 10140

14538/13538/12138 kHz, 21-05, 2000/2020/2040 UTC
07143 00001 00000 10140

14538/13538/12138 kHz, 23-05, 2000/2020/2040 UTC

05435 00001 00000 10140

17462/16114/14828 kHz, 26-05, 1900/1920/1940 UTC

09567 00103 18024 12931 69188 45071 56472 94994 35891 89974
02165 87517 63133 51475 72285 85193 47109 39787 97585 70866
02001 56677 57705 18539 21533 59158 28261 11091 95181 33743
67316 65820 67087 69221 49987 96499 36325 62866 08825 62125
11352 51023 38574 14982 90671 80407 36671 53566 47444 74386
08794 53693 45980 85075 57326 82579 98980 47427 97238 33178
13335 21932 76982 98340 39954 76738 01672 62181 41290 74220
61465 54011 59771 93776 08648 63928 07046 54549 38589 16891
96169 49066 49366 79639 96168 17983 50902 21633 19311 87971
92626 88763 69200 51876 97200 58621 03398 02459 98854 03740
05415 53732 54240 02971 62320 00142

17462/16114/14828 kHz, 27-05, 1900/1920/1940 UTC

08071 00001 00000 10140

14514 kHz, 28-05, 1540 UTC

01556 00233 40833 40719 52938 51777 90465 69944 15144 14302
14165 51823 12159 52161 71489 75316 59992 13045 78894 39596
92462 37610 87209 31358 24276 13930 08529 10014 66988 76119
00264 62485 40381 27617 27941 71511 56954 32252 13522 74962
24216 93732 73346 58708 19918 20119 80587 19338 91744 36221
90047 10289 66432 17840 50474 34981 21053 57566 69966 24289
25147 69141 93258 36133 73534 62754 16128 89323 68415 65672
75756 24326 77451 78224 32243 83788 09076 48430 54645 77924
39828 84362 15567 89445 18474 85575 54407 89163 87721 19220
50068 51856 32395 70455 85649 12597 22378 05469 55458 92826
29539 41819 79171 53213 05101 70423 12541 23274 01334 46384
28001 27928 24018 94571 56370 16789 57909 64583 69362 73524
93213 42266 09449 79979 05846 34468 34742 27125 81092 53660
62327 04763 15161 01267 40804 11525 58347 36099 06398 31853
81174 73616 96129 62674 97645 98250 08826 69098 13782 62545
82686 15790 42675 35376 68792 86360 42450 63769 85134 40551
19937 65261 34935 28440 86490 39887 15477 68959 16685 66521
70025 38602 27345 94985 17264 07466 15759 00998 30535 81634
99131 39743 13776 29776 70680 05526 41318 94094 51159 89463
45749 65635 41806 10857 07989 47129 84475 38028 02340 68592
27678 78166 72607 94995 03238 73448 66030 68756 84482 44264
68194 89004 22312 10285 52163 62380 31673 71508 54143 81987
82454 55019 44059 49297 91816 82742 61366 27660 9 stops, transmitter off

14538/13538/12138 kHz, 28-05, 2000/2020/2040 UTC

09065 00065 75947 73495 78251 88967 27223 53973 77716 29315
62305 69111 61861 83235 81598 12138 70900 98211 71379 67382
89462 33118 26424 87429 11694 69316 98501 30856 11724 13992
63983 47245 82521 24915 71340 46835 41122 67495 22486 89218
77630 05878 33425 92672 46577 53541 58876 26064 81976 32281
73038 53181 08363 53408 45322 76538 43875 68208 55857 14366
89424 03771 72517 39236 57679 10302 40820 37075

F11

Mode: FSK 100/620

13424 kHz, 01-05/03-05, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 54551 44819 44626 76776 77000 95581 80308 42726
31388 84463 38371 54374 71758 51067 30698 10461 88601 33692
67661 62092 14041 62842 15484 33529 17687 47856 51401 76107
51500 46447 25155 82401 75933 14950 79226 86445 34123 05256
10405 76644 88888 88888
00044 00044

13470 kHz, 09-05/11-05, 0630/0635 UTC

0574 0574 0574 0574 0574

88888 88888 24934 18914 77735 56653 18932 37051 99793 89780
45510 23805 76939 63517 14954 35615 71895 40065 93298 66332
72371 95212 79773 87662 68748 54204 20468 19038 59074 11741
70241 91679 95415 22901 94982 97484 69489 01689 85531 88888
88888
00041 00041

10210 kHz, 16-05/19-05, 0655/0700 UTC

0684 0684 0684 0684 0684

88888 88888 43803 31970 78872 78144 75627 92068 52167 69895
85463 14251 22991 45061 22363 06852 12937 41238 62076 06659
42336 15570 03805 07095 73816 54608 86585 10341 71665 37289
43604 17140 97547 48361 88888 88888
00036 00036



Q26 - Chinese military

Mode: 4+4 QPSK 75/3000 LSB

18922 kHz, 01-05, 0700 UTC

[illegible]

DIPLOMATIC STATIONS



North Korean diplomatic stations

| Freq | Date | UTC | Details | Mode |
|---------|------|------|----------------------------------|------------------------|
| 18033 | 12-5 | 1439 | MFA Pyongyang to unid embassy | DPRQ-ARQ 1200/1200 LSB |
| 16820 | 12-5 | 1604 | MFA Pyongyang to unid embassy | DPRQ-ARQ 1200/1200 LSB |
| 9554.5 | 15-5 | 0840 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 13416.5 | 15-5 | 0842 | N. Korean diplo i.p. | DPRK-ARQ 1200/1200 LSB |
| 18035 | 16-5 | 0700 | MFA Pyongyang, encrypted traffic | DPRK-ARQ 600/600 LSB |
| 10330 | 16-5 | 0810 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 10397.5 | 16-5 | 0812 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 14443.5 | 16-5 | 0849 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16022.5 | 16-5 | 0916 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 15885 | 16-5 | 1346 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 14114.5 | 17-5 | 0808 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 14443.5 | 17-5 | 0808 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16007.5 | 17-5 | 0811 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16319.5 | 17-5 | 0813 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 14443.5 | 17-5 | 0850 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16044.5 | 17-5 | 0948 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16024.5 | 17-5 | 0949 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16665.5 | 19-5 | 0730 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 15532.5 | 19-5 | 0734 | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16554.5 | 19-5 | 0824 | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16249.5 | 19-5 | 0826 | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB |
| 16007.5 | 19-5 | 1248 | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB |



Egyptian diplomatic stations

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

14621.7 kHz, 08-05, 1655 UTC, SITOR-A 100/170. Egyptian embassy Islamabad OOVp, message to ???

NN
BACFFFFKFFUIIJCFFKFFG:%%%%?)-7885
788888 %%%.(%%%%7885+8=0 OOVp OOVp OOM788RD KDKAUD HJKJ HUXD+?788=9
5 9 :%%788+8+=0 OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp OOVp
TNNKFFSK KPHKMS KDDSG SXTZ KDXD
+?788:%%(%%:%%788+8+=0 OOVp OOVp OOVp UIIKFFUIIYKS YKS YKS

14445.7 kHz, 10-05, 1705 UTC, SITOR-A 100/170.

MFA Cairo wkg TVXX Egyptian embassy Algiers

16334.7 kHz, 16-05, 1348 UTC, SITOP-A 100/170.

OOVP: Egyptian embassy Islamabad encrypted message to 71: Egyptian Military Intelligence, Cairo

FROM : ISLAMABAD
TO : 71
TIME & DATE: 14:19, PQU
NUMBER OF GROUPS:
URGENT
=====

1000720 00C27 32365A 3CCCC9F A899F 49742 58010 72OC15 E9% 04FFB B.9?).90.%\$3 63285 25899 09335 80355 570E7 8AD8E
D1A1E E8B3B 17DC2 6A5 011COF 95710C 76DCD A6E4C FC547 EAAFC EDE9A EE6DE E335-3892 07260 A82A1 50AD8 A8C1F
69918 1B737 6DCFA 1517A 7D15A 79847 406CTYE534103 ECDE7 FDAD5 6342A 7A9D4 9F64F 87D61 E5D2D 7D005 DD45D
CGDE71D6 9C574 FF978 35 C38 1FD5C 8695=9(01A DA9A7 01E 95RPV F8FF8 AB31;.C DD713 90 89C1B 13C8F TWA0D B059F
1969F F2004 43C28 EB0D0 C962 59A96 0D6P C85 AB388 7E554 50903 AAAA2 2E700 C988FVZ7A 50AF FDF0E 7666B 671E4
FB54FBF 32310 4FFC5 2D78C FID 55838 7 0\$7A693 5C899 26255 4174CTW VBF029 83AC7 56E34 21C30 9EE0 0 19574 6FDE8
C159D 483 F6NPH95XIIIUC500 7AD41 13991 9C482 3168078835 5C,,.6 C83FE 4BD:5 32FC3 1FUCC2F BJIEE BEBAF E 35B F2 6952C
2B595F 7 98788 115 69F06% 405DD 84588\$6+(PMGF1370 BA71DC3 022 -0086 411DA 345FAPYSU EOKN UUA EB095 -\$& CD%
229A9 964D9 E0227 6FC76 42213 E46EB F8522 2917A 3625 5#&0:4 26B99029 30535 72C62 ADAA6 5 D79EE D0B6A 23B51
4F4BE 7ME PTIOC 11C93 F7 CD4B0 A85E3 1CVZCA3 45CE(CPER C1E5B 1DCAD 0 8DC18 ?2B 701CA BB7FBZCZ EB0B8 864AE E1954
7BEBF93?04 92345 03B3A D3544 28E90 6ABE1 A76E0 455D2 E14A5 1F0FY QIPAS F96D2 25439 9599F 97250 13966 80 2A CDFE0
3E27A BBF0D AA6 B393E A4214 8EDD2 70A14 64E74 E8928 AE0DE 4B50730 3E97A2E 2C142 1F2F8 4D031 28CEE B8720 A8FA0
2DA57 1D136 310FD A8F58 C10BC 4F912 21B72-8\$9CE5 2C4EDNNMAA57 42613 511F8 89? -?7 20AA0 867,,9580F E1
F99U 8556C %9#-\$RWEITO IROIA FBKQFUUOU UD0 ?10E5 D590D AD F4B03 B99D 3D189 0742D 2CF6C BCA5D D521F 63ABB
ED654 F8BE8 BCEB0 43C F77FA A95,:9 9C470 CBCD9 69E19 EBEE4 340EA EED35 A7B0F9 IIO0C045 20760 3E6E8 8CFE9 410C
A8D19 4585D 36B6F F 32122 8763RI E96E3 A2EDBB1 DC102B FD68F OC.:6 4 0CD07 48? -6E4B CF23A 33283 9DFCD BB0EE
94AE4 :3 FE834 \$:79 D9FA1 798BRBUPMFF0BC2 EFB49 BE- -0FAE2A0 E557A 839CB AF2AA B :9773 873PI IOF5FE9 B6E
HMCYHMPPTUB BBE2F 9EAD+22B 1FD8D 61CF16 2EAEF1 98EDF 9C13736 54B0F 9DAC2 6CB1F 48855 41318 1188ET BDBF8
B5610 7E712 FEDEC 39539 1F5AA 05A7C 7B71E 7045A FDD OPD64 13173 72B5A B1586 B8703 BF72 60AD0 DEBF 69AFC
PO19278F8 8C75C 1EFA
NNN

FROM : ISLAMABAD
TO : 71
TIME & DATE: 14:22, Y, MAY 16
URGENT
=====

00SJ0 00D41B03 33EEF 90D 405A2 7C8BB 8BAD9 01A28 9C44C 75A65 1C132 B0293 9E65D EE788D28 1C 2B49F F5747 EC602
A56982F3 E4320 30E07 33998 0A E7F49 CCCF4 D478D A60A5 017EA 305,,\$7A 90C9C EF?3(%%% 16D OEQOE YTB3 OPLF2
4F04F C8FBF 9CD2E 50783 72273 DE570 5D26C FB131 7EBBE D48E2 14-'2-1DE73 4A9BOQQUE CF3C5 7DE5537 FC\$ 2AD62
EA393 59 DB308.'332 80D6 BAF7 6C3C0 12E53 5E08C 5A0B41245 F913D 4242\$97262 :97: --0\$:&?%-0 2DC2E 87AEE 7AV
FOTAE3 BIC DAA56 D16CD 5,%- 30E2C 12BDA6 DD034 3EAE7 D(GTC6 32398 AB2A4 FE1F9 7B23D50E C3B6F 05755 F109E A913B
B9F53 27841 ? 36727 32D50 A87C7 3634A D026A 857FE 65E9F F375F C0830 F6563 94A20 -37FRA5 158AE 7862@ 776=CFGL84
24E2CF5 21D45 87--\$ 5455D C65 7E 3849 -2E PQYEE IUOFB8B D27APO CB 72BWPR FD79F FA781 106% 4% 39131 3E3A6 95
4B5RUTE BF3799 10% 935 78559 65F0 25D07 886179B9 2DA0357E4 73CA6 53?? :1E71 23C27 35048 ECT YF4 EE0AE 5ADD3 A
BEB32 E68FMBK969 AD742 CKCYA AA79%\$63 0AD69 572 YUUUOQCF0 20E65T IA56 \$::5 914-83ECA25 CB1/97%::8 8CCC25
8B245 309ACEF CDD56 F2F 81B2D 7C027 8COKNMMRKOCCBF%:0917C239B 14C5ALAC8 9737 28316 C2447 EC-, 3 C4 56032
33%(2 EQXJQWF73 34934(?2%:4 D3 WUR OEAD1 27F3C \$% 4\$6 5':? -37F8 E81?7ZMGP PIAD61 45EF % 9788 081 EBAC CF\$3
26000 12BFHHF EC IQKRDAF F5385 079CAA : \$6EA6 5D409 B19D74D07@B79F9E 34EAE FA12 9? %8 0BF61 B-7 F0 YD905
1171486 2F89 9A4 51905 EC04D 37851 C9224 935CE AC141 D9C11 0C770 B032F 5963A C&' 59E02 BC80C 8E356 1BACB C1F25
0759D C4DB6 D824D 33098 3+4:5888 20E6F AC4BA C3FB0 ACB4E 1A06 309D7 37056 FAF38 13501 61E62 941D1 91CC6 3D%
7'+0B FAF K6 FA 82F,0#3-?@ 426A7 9A7 715E7::% 23D5F 7 BBC37 6CF5W G4D3%1-37 2B3E4 1B9 A DF39-3286 5 A20B.(3DF66
5AOM MQF

QQSUIIIIIUIUO PW : KDJFKY XAAAAA
HTS KAOG AAAAAMKF KD-----F UKSD OMM JBLV
WKDBKBMMMOBB
BBKKBBOBK AA SSF
?--- -- -- ...
)::))) 111

16065.7 kHz, 19-05, 1248 UTC, SITOR-A 100/170 OOV: Egyptian embassy Islamabad i.p.

bY WUJER TED 50ADB

AC5E8 3DB1F 1C1A2 9BFC3 A9230 0B586 DC815 1D005 C8682 48305 CE8CA 69EB7 3F1BF 2DE9B B251D 22CBD 0A561 D7BB1
66D6A E9899 812E2 F9F82 C6A2B FB8CA 0B6B6 FF816 0FB4E 74E02 B2C3D C3109 1E1C1 DFAA2 0BAF5 604D2 9E329 613ED
06F86 5A7E2 9D EIA83 CF07A C9E5D E0229 99 44702 7C133 9E56B AB0 DEA76 C4D38 9334C 9DD7A98C 54658 E97D9 CA2BF
2B4A1 1F1C8 F104A DD39C 3A365 B69A8 56B54 5641A 11BD6 7B9AD 9F36D A683F 9FD18 5A17D C0A43 B1CB1 068DB6196
82764 BCD7B 47C6D 749ED 9ED 0EC59 13ED2 43FF9 147CC 4A971 \$- 92086 9A9AB 50C9C 9D154 F1DD4 F538E 5C8B9 84B17
6AB1D FD1B3 1234E 4A97D E5685 ABACE 6A50F 254F4 696B7 E3F WWITI YPREB 2F2B3 52567 DB602 1FB10 BF045 BA248 8920B
7FE63 F98C9 11F0B 6263A 06664 ABFFE 1F1F2 D7A8C DEADC 3ADDC 05BAF 67090 74EB2 0DA74 6E168 CA6A5 47CEB 7C237
9D39E 31E70 DD954 A0C35 381FF 463CY MPEA3 38A87 BA247 1E2 087C2 C4857 72E66 3D786 17144 623ED 662F2 0F00A
0D238 EA0B2 06266 68515 E31C7 2378B8B 364B1 B545F ED59D D0187 6A544 AECFF CCF28 4DD48 09D77 D8632 EFF5E 3022F
2F9BA EAF3B 8TE WD22A 760B 7D6BE 2D390 D09AWTF F9EF1 F0FC7 F0706 5C507 6EF29 8F8AF E98FB 50AD6 3FA2CF5A
54QF A2F81 59D8A D36BB 765D0 FC91B 7AE6A BDBDD A9476 54C1D 68A83 BF42A 77F8C BAA1F E585A 65456 53898 793
21B95 D96C6 07EEF 30C87 D307B 424F0 D5407 BD00A 3E840 9CF49 85D47 533FE E8B51 C0753 CF9BD 02343 DE841 3E441
AD15B 55AD7 F8A48 358BE C5F9A 7F239 30498 4BEA1 1BA3C 79DAC 871A5 1D6A0 26FCD 2A709 F7710 A1D01 B21CE 089F4
D26AB 07832 3F384 22F0F 0A710 57FD0,.900DC 1AD16 B2D68 070DE 56761 277B1 788AA 50676 3ADF9 B77B3 AF9D7 5BF63
659B6 569C0 557A0 80F66 78096 C316D 5B9AA 588F3 95476 34D58 C7682 35E4B 2246C 012AE 72DC4 DC171 ED4A8 0E3E5
5997E 22III A88C1 4TB D1AE5 EBF64 4559C C0FFE CFC75 FC58F 03A72 C1C9A 5A395 260DC C1D75 91F20 C0DD3 79173 FD327
50C3F 09000 FB7DE 14A1C 69895 5432A 31988 195FE FCCFA D435B 3BBCB A006B 3065D BCF35 12CED 6E149 834AA 9BCDE
B0021 EC76E A4903D1 681A0208A D2401 9FE 7D938 147A7 39977 924C7 0ECCA EC6BE 99F62 12155 123DD 1D5FD A3869
DC0CE 39C3B 5CEAD 5B054 F0FB5 18205 DF1BB 9D654 6E4B7 0016B 78AC2 CEB17 F1C2A 8E4C4 89247 A6D0F FC844 80ABC
8405E 921EA 0C36C 6E03C F2208 293A0 BEBF9 6B966 290D1 F2BED 9FDE5 CC6EE 4944B FE7 4D97B B1003 E98A84 061DF
CF376 86381 FECE7 22213 6B2F2 0F3C2 5A2D9 C7256 81EFA D2AEE 18065 16D77BF A20C1 DB22E B38F7 32D0E 68DA7 CC545
DF691 57A15 A1B04 5F46C F55B
NNNNNN

VLNIIICFFDNN

YFASHMMMMML/H / 102 7 05/ 19 1430

J-G (0\$(@ (6(.

(\$' : KDJFKQOH

HTSKHKG).(

KDSWJUKDGK OG KDS-- 7 05/ 19

KDX---KMF KD---LKFM

JZHFV OMM PWGF KSD OMM PWGF UKSD JGKLDH

212 -- -- -??(??9???.&4 1 6

212/1 -- -- -- -- --

212/2 -- -- -- -- -- -- --

312/1 -- -- -- -- -- -- --

---599-----

KQJKDS -- -- 1 -- -- -- 7

=====

KQJKDS KDX-KMF) P-YOH 7

-%-=0 OOV

OOV OOV OOV OOV OOV OOV

KOKM KDKAUD

HUXD +?7,,+??

:%%

KPHOMOMM

SH FAJL/H OBB / 102 7 05/ 19 1430

+

J-G : KPDJ KYKM

KDS : KDJFKQOH

HTSKHKG).(+

KDSWJ KAIKNNMKDS---LJ KDJL / 102 7 05/ 19
KDX---@-----KM KD---LKFM

JZHFWM OMM PWGF UKSD OMM PWGF UKSD JGKLDH
212 -- -- -- 66:): 1 6
212/1 -- --+% -- --
212/2 -- --9?(-- -- --
312/1 -- -- -- -- --

KQJKDS FQQAA Q AA AA AA ZLLU
=====
KQJKDS KDX-KMF) (P-YOH 7
)++)4KQJLKFTV-M
LVN
Z

M DMSGK KS KOJKD JHBDUH DMSG--K .

NNN

SKVKDSW
ZKFFUIIIII+?HTH KJFW
IIUIIAUKD HUXD KBSIIICFFUIIZVP OOVPOOKBS RD HJKJ KDKAUKD HUXDUIIMHJKJ SK VKDS US KJG KDD+??. 6(=

16011.7 kHz, 19-05, 1408 UTC, SITOR-A 100/170 OOVPOOV: Egyptian embassy Islamabad i.p.
=2?+4'+99:58-9677 0F106 3E
33557063 5455FE39A2 156 6C 86:06 151 3B909A835766##&
@.-8D4 748AAA BEY D
A-(4 93683 D19 6FCF7 609 :-
1F56BB BB261 -?024 IPY
IIIDFB661%91 211 BC CWBPBOF 7F9:23 01B70 507FYGLC2 289B6 2A823 5F7C6 67
E8A D9C5B 38C 48FRU DFUASNMHCFF CFKHUB DB 8 8 46090 2729%?02449F0FD -%
?=/4 9%5899C867C 5D213 +.%EDIQFF 694055F4D 879F B4C61 EBSISP E C3B 97F61 3837,&0:4 DDFA4 75AUIY AAAC 43971BOEA-
% 1A:2:.9,?/%582
0#)2
1&9(W WO2 1D895 8%3 %6=76 DQW YRBB1 9%9C61 045/?
%978
3C 083FB WF
6KMYE 0#2 F1NCO6 F86 07
6712A 49:?\$8,,,,.
1C2C2 :2% 1EF62 1
1E92 5C29
2F\$ 3%1C-:1
.....L/H O QYEP
YKM
KDS : AAAA L KAUKD CLKFLMK
KD KAUKD GK OG KDS---LJ KDJL/ 102 7 05/ 1 KKMFAAA FM
JZHFWM OMM P UKSDIWM
212 7 -- -- -- -- -- -- -- -- --
212/2 -- -- -- -- --
312 2 -- -- -- -- -- -- --
----9?ZMM AA AA Q AA AA AA
VVVVV
KQJKMF HP--D-%.) 1 (LKT.
)\$(')1. \$. '&(' (9@(\$)2: #
,% =(% / = ?
5/788% % \$ % % +788#@ (@ (? ' 5# ' (-7(\$ #7788?
9(% % +8 +=0 OOVPOOOVPOOV FFF+?

HUXD RD HJKJ KDKAUKDHJDJ KDKSKMJKJ LHPDJKS BMJH

M(%%+2% '(\$')@& \$@ # &#%2

6(' 6('

%%%(%%888:78:%%(%%'

16223.7 kHz, 23-05, 1743 UTC, SITOR-A 100/170

RCVB: Egyptian embassy Washington encrypted message

17417.7 kHz, 30-05, 1948 UTC, SITOR-A 100/170

MFA Cairo with encrypted traffic for IPTX RCVB Havana and Washington . Over an hour of traffic.

9EAC5 EECDD1 B8447 F2E7D CDDDA7D9 90FCF 8E FE004 FFB6D 3621FGLBBFEWO54F66 CCAA3 BAE5EXCA 72339F44 A3DBF
10C7F 032D2 6CQ OYEC7 A8305 70743 ED17F57 B8EE6 B8982 946AD D7CDKLGYZFUD 32CDC 85659 8F065 16022 7FCB8 6E442
E59B0 1A8 73B8C BEC33 77AA2 9749E C19DB521DA 7281E 92BEE 2377B 550 :ACA 743C9 703C8 72EC C31F7 F2A56 5465E
5A8E8 552F5 A77A0 25938 B1B79 FF299 0A200:638 \$%4 850D9 C7096 FADEC F7226 16EA3 DBCEC 26DC2 8C841E D0509 50F4D
58D2C EE2FD 97620 12%143 F4376 5327C E70676 EC442 3A 4BE77 8624E 32342 C1210 E%66 624D3 66D0E 2976F 9BE8B QQIU
OB2E6 7BCA0 E5B59B84 AA2A6 4E7 582BF C35F8 8AAF8 %-8 A27FF 5EB33 94BD1 E2B32CE 16CBA4 443B1 68 184E1 D76F5
EB67C 42E05 BE8A3 36DEDYUC2 806B8 7EAE4 764D3 F4B1E 7231C 42210 5D437 B7988 450 WPB21 0F528 3C072 01B79
19AD8 33F4F D5F48 36AE 237B9 0B80D 04F5D 1ECF6 C3BE5 BBB4B YD9 %:6E9D 73862 FC5D0 3E21419RBCAE E51 3C74C 72CA0
DD954 50F82 :22 D5E 1ED9E D5A12 22069 5BF9C 10570 6606?:%9TPE83FDEFF 73D41 AB7E6 8DBE 3B892 B0987 E90BC D9F8C
66C4E EE2 17143 76A15 92D9A 6B60171A 698DA 34507 8ED07 8F4B9 ADE23:2EA EEKN DF06D D83 1E9E1 D46F2 F7025 4A32D
F44A0 D047F/-9 37830 2782F FUW PFBF8656
8E328 9B5D4 00449 96075 7A2E9 A8A44 6BBE6 DFE4A 0BQA9C 98F7B DHU WB00E AFA2C 7D33UPYMGCA1 791A3 BE3B1 26608
37E3D FBBDD8 79C 09690 2A6 4 :?9XTE5 2D851 C6 33 58D 44762 ?7B 65156 94EFE D3707 3CA66 1C9B7 210C3 4 EFD47 009
YD78A 5033398AB 5442A FE0DD 0F500 12?\$9687 E0797 30B11 9CC24 7DD4C 85ED8 B57E9 7AE66 89F67 73A4A 1DFA 94889
48357 0BF34 977EB EE60F B8D99 B4625 56C65 14245 73918
0AE2D 6DB6B 1A849 F11#7 E330EYIQUQ1E3+6.:98A0 84908 705858+36298 C1ADE B1F09 C3466 A2C54 67ED3 036B2 9FF36
72945 A871F E20 C CED63 2F9B0BA2 E8543 DA605 AC1A1 F3BDE 46A9B 5E1B9 E25BF FBF47 18D61 78D94+3E6 0FC98 DCC52
450:~33C 719FE 5B935 528E7 275DC 06F6C C0FF7 F02F4 26721 74B67 51B29 A1089 2BE90-%39 28AAC E5A05 80444836 76A9E
51F49 E7ECE5A2C 6E52C 556A1 052F1 0E77D 4D26E 5FE9E 3D478 6CBB4 43BE0 14856 993 4C276 3F522 80D76 66639 C3A0F
20627 0FC YEEQT RPYDZRQ60 1F55A 4CE5C E6 998D0 50181 4FW E3661 8AD22 13FFE 52C6B 8278\$&&42B 4AB41 55825 E13F4
17D2E 062D((B7A72 CE1D3 4BFD7 5BDE 259AC 96490 7B872 1F2CF E4DB 8081? +&)3D3 33EDE 54AA6 B376C 863D4 5?: (CA0
1F4A8 7A834 5B62E 39FF DC082 BEEC1 7E01A 34652 34E9A D325B 3FA2914 FA375 5B482 5AF84 E-0& EZPMF 7FD68
2EZEMFMO D25C3 20++ C1D98 08921 80/@%36 445C4 1E201 4BFA7 5652 D7FEA 28F03 6C084 BD668 6A587 F13EA 58F C7EF3
FCD34 2E320 85C1A 64E51 00B51 E57E5 4(B18780 C9C87 F7459 8WI EWPTI QE997 DC9D7 753A5 #6FC2 85735F04 3F C93
10E1::34 BA737#(QU QB511 54B OB5BB E63D6 8570D 9D73C0%1=#(05E 79BC6 BB789 DBA5E D6BC3 9:846 A16CC 2BF9C A851C
028DA04 92D#%9C 56195

NNNN

KFFUIIKFFUIIKFFUIITX IPTX IPTX IPTX

(\$ \$ @?\$/ @9()(+&:\$(& @ (\$#/(\$

005 ODS 66061(@ ,= 9\$(

3061 HJKJ WMHUXD

JMCS KJG KDDR

UKOBFOYKKKKS

HJKJ YKKKKKKKKKS

RCVB RCVB RCV788%+(%KPPPP RPPPPPPHOM LDSM

PD +?(%%788JG)\$---SM L/H 5431 03/5/7102

KDS : WD :-

- KPDKJ M - KDQIKEF - KDFYKC - KDWLSH - YKFSP - YFDSG -

YFSLFSK - HLGP - QMR - FLJK - WLKDKDJYLF - DGMG - JMFSM -

JPAC @)02) - LKZGCG

OOO

VVVV

KT SLJ 92/5/7102

11((((HCH KDJLMQBKDZFA KDKLPC :

=

999

KDAXSKDUDPCSGSH:

===(((

1 - KMKGH LIKFBKFH KDUDGSH KDTJDKHXXGQPH D KDAMP KDMO
KDHS KODGH O TWLJPFKESD US QDPHRK KDHS OAMHRK US GUA KPUD
KDJPQM KDKAXS

W A OM KMS KDKPSF KDUDPCSGS KG KDSF JFLKDYFVLNS KDASKMS YTFW
UH-T SFUX HODS-A XFKYR KDJUH-LT O-G KDCOKJ THS OLMHR DS PQ-G
RMJ .

KDLXOUS DYGGK :

=====

3 - MOISF KDMKBDSD KDDYGKGS DHXKUF KDQRLM YSG JBH DU KDJFQOSKH US
KDMLD KDOFYSH PDKJSH YRMU HD KDBYFKH DMTF KD FRKY KDMS SRMM
KDJQHJOKHKPKJSM

JKDJLUS KDOFKA :

=====

4 - KODGH JGPAH KDZELG KD GPKGSH US KDKJJ KDJHTMH KG GTL 002 KJMGS
OFS JOFX-LG DBC-F WYSF US KDJFKTD KDKBSFH JG KDJOKFW US JMSG-H JLXD .
5KODGH ALKH KDTZM KDZOYS SOSH KDOFKASH KDJMOLJH JG SFGK KGRK
CFMH HGCSJ MKOZ JG JQJLOH JG KDAFS ODS KDTMLM JO PLFSK.

KDHCLFKHUS PLFSK :

=====

6 - GUMH LTMKH JG KDQSZ KDPLFS RQLJK JMUOSH ODS JLKAO GHZKF JPDT
HGCSJ AMMFRKYS VFMSGH MSF KDILF .

7 - KUKM KDJFXM KDPL DTLA KD GPKG YJAH L XKYH 05 MKOZSK QFKE
XFYKH QMMJ JQJLOKH WYS JG KDHGCSJ US JGKCA F KDFA KDYS.

8 - KODG KDF KDUFGPSJKGLSD JKG KG PHBMKJ KDKPDTH KDWSJSKESH
US PLFSK BC JF YKDH GPKKG PHBMKJRK PSMUO YDFM.

9 - KZKF GKEY LISF KDBKFQ

VFLPS DS KG KDHOKLG YSG YDKMR LKDXSG US

PLFSK VSF JPYLA JOFOG KJDR US PHJFKF JPKRJH Y US HPLS KDKIJHPLF.

KDLXOUS DSYSK:

=====

01- HRJ AK KDQSZLCGS KDDSYS KDJZSF BDSUH TUHF MLDH ACF YHJLSD
JKOKH JHCH JFHYCH YHGCKDAKOMH LWMK ODS KG ACF TLDH QKDSKH
KDJQKLFH DS JSDSZSKH FJRD JAH ODDKFK KDDSY.

11- KZKF KDKJSG KDOKJ DTDU ZIKD KCS DS KG KDTDU ODS HLKJO
DSYSK JPKDH MOJUS YGJLPPKHRK KDKJGSH LKDOPWFSH.

KDJUS KDSJG :

=====

21-KWM JXMF SJGS C AHDS LQFTS JG JSDSZSKH KDJHJFMSG US KFYOH RQ

Z-K A-LKH KDJAKLJ-WAZYS-H ODSJO-KJSDSZSKH US JTKUC-H

KDTMSMJM

QA LQRH 22 JGC MLD SH VSF TWL QGSU FPKDH DP KDKJG CKDYH

BDKDRK KDJQDP Y HBKM KDHMKYSFKDDKIJH D AFKF LAU ULFS D CDKA KDGK USHLS.

KRJKD T KDOKDJSH :

=====

@ KDKLXKO US HFWSK :

=====

41- XFT JPELD LG USFLWPD KG KDJTKMKNH KDHKPYLO KDJKXSG

FLPKE JKH KD HTKM KDKLFLYS LKESP KDS DJ HPUF OG HUKAKH

QMSMH.

51- KODGH LIKFDBKFQSH KDKDJKGS KG KDPDCKH KDHFWSH LKUAH ODS KDPJKT

DJPELDS KDAGXDSH KDKDJH YISFKH XTUS KDJKGS JTHQI US HFWSK JG AFKYH ZRF.

@ SFGK LODKRK KDBKFQSH :

=====

=====

61- GHAM KDPDCH KDAXKESH US S KDFESP TPG FLTSGS OAY ODKGR

KGR PSGRS KD AKJH KDQYFSH KDJUFLXH ODS KSJSG TPSG JLPLS L JRMS WFLYS .

KDKY:

=====

7@DAS IOSJ JTDS SS DS HGCSJ MKOZ KD FRKYS JXFOJO NGSG JG

JFKUASR US VKFH QL ZGHRK KDALKH KJFSWSH US ADSJ GQF
 YZFA KUVKGP .
 JLQIDKKDKGYKE KDPSKPSH KDOKDJSH :
 =====
 81- YMKH KDZFC# (\$ 0%(3'\$H KDHTAS-A JO LISDMKBDS-H KFSR MFOS
 LILQYHRJH KDUPKM KDJKDS LVPSD KDKJLKD.
 9((# (\$-: '% # 6#%5'\$ (\$&(+: (\$09).' 7' @1(\$ 5-)-(&
 @5@. 96. (\$\$4 (\$9# '6' \$' 6'&@ (2(& 7' : '% -#07% \$'
 (\$&%)'1.
 02- SXD JTJM YG LDS LDS KDORM)LISF KDMUKOPOLMS(KD
 03/5/7102 DS JLPWL US ISKFH SDHAS BDKDRK KDFEKDFLPS DYTIN
 JDUKH KDHOKLG KDNGKES YQKGY KDJDUSG KDPLFS LKD SFKGS.- KDVS KDFESP KDUO1(%#4 \$\$'(6(& 7' (\$)-# (\$.' 4)% 7'4
 (\$)/(9&)6 (\$6\$ (. #+& (\$-)# (\$9/5/PWDMHJDADJ KJLKDSG
 DHGCSJ M
 WWA HORM FESP KDLIFKE KDSKYKG JTMM JO KDLDKSKH KDJHTMH
 DFMO WLFSS KDZJKDSHS KOAKY BHYKF KDXLKFSB KDKBSFH D- YSLGQ
 SKGQ .
 32- XFT LISF KDBKFQSH KDKDJKGS KG HTFWKH KDFESP KDJMRXOUH KDVFY
 LKWM KGVVAXSFR KDGCF YJXKDT KD HTKM KDKLFLYS.
 42- KODGH YFSCGSK ODS DPFHBDSHRK KGRK PHWLG ZFSWK ALSK
 KDKJGSK DW FMK ODS DMWDJPHZKFH KDKDJKGS V SDK JSFWD
 OHYFH USKGR DJ SOM YKD JWKG KD OHJKM ODS YFSCGSK KDLDKSKH
 KDKVUDSUJLNG.
 52- XFT KDFESP KDAYFXS KGMXYM DRKY DS QGSU MK HJ KDZFC KDJPYA KDMSP KLA KDPJRD DQJRLFSH AYFX.
 JLQIDKRJ KDKGYKE KDKAH KDOKDJSH :
 =====
 62- KYAS KDYGW KDJFWIS KD PFKESDS ODS POF KD
 VUKEMMLG HVSSF OGM 1.0
 LRL GUP JPHLKR JGM KWJG OKJSG JLWMK KD AHXKM SLKXD KDGJL
 YLHSFH ALSH.
 7WZU LISF KDCKAKDFLPS KG YDKMR LKDJJDWK KDOFYSH KDMSJWG KG
 HODGK US JGHMS YCFFQ KD AHXKMS KDMLDS KDJAFF OAMR JCDO ZRF
 SLGSL 710-G HUKAS-KHSMH DDHOKLG LKDOJ-D KDJZH-FW US AC-KO
 LKPO JG KDJQK.
 JLQIDKRJ KDKGYKE KDOPWFSH KDOKDJSH :
 ===
 82- KQFS KDQSZ KD PFKESDS HQFYH XKFH ZLRKNFRK ODS JMS OMH WSDL
 JHFKH PJKE
 XS KDJTHDH USJK DJ SODA JPELDL KDQSZ ODS
 KDHQFSH WJK DJ SXFTLK YGQKT KDHQFYH KL UZDRK.
 92- KDVH KDPOLMSCDY KDHOKAM ODS Z 4 PUG TFYSH WKGH HAMJH YR DS
 HFWSK LMDWY HLASORK HUKA HPDST JO KDLDKSKH KDJHTMH YASJH
 Q JDSKF MLDKF.
 03- KUKMH HAKFSF BYKFSH YPALT JAKHDH JG CFKISFKQ 0002 UFGPSH
 KDXGO HKYOH DDMWPDKT KDQL KDSLKGKS LHTCJRK US KDYTF KDJHLPC BDKD
 HMFYS AHKDS.
 ==(\$%(0\$ / TJ--MS L/H 5431 03/5/71 (NNNNNHOKDS JG
 KDCFUSG
 66061

17416.7 kHz, 30-05, 1938 UTC, SITOR-A 100/170, MFA Cairo i.p.
 QAA EFDDE F908E B7C13 4C9FB 760B4 EC6 27219...D25C3 2 C1D98 08921 8B51E 3DY RRTQPPQ RBFA?

UTILITY ROUND-UP



Unid stations

5875 kHz, 16-05, 2050 UTC, USB. Logged by Sylvain

Unid male operator repeating the following text in French:

"Execute Grizzly Gris Gris. Delta 101 0 7 7 6 1 7 0 6 Oscar 1930 Zoulou"

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by André, Ron, Ary and Wolfgang.



RMv/RNv/RNAv/RAv *Russian military stations*

Frequency: various Mode: USB / voice

RAv – Russian Air Force

8090 kHz, 07-05, 0714-0814 UTC.

NABOR & SHPORA these are Russia Long Range Aviation callsigns associated with TU-95s/TU-160/TU-22 activity

97082 clg NABOR then working comms checks w/SHPORA.

97084 comms checks with SHPORA

97082 with message: 127 842 480 416 109 452 132

97084 with message: 913 652 452 284 234 688

SHPORA message to 97082: 127 710 289 078 197 452 454

Then 97092 calls NABOR but answered by SHPORA and passes message: 117 268 518 790 452 892

97092 clg NABOR. No response.



M32 *Russian / CIS Military CW Stations*

7587.5 kHz, 07-05, 1417 UTC

OE4I wkg 5 outstations. QSX is on 7290.5 kHz

7587.5 kHz, 08-05, 0803 UTC

XXX PSJP ÉLASTÖNYI 011320 285 135 1056 K

3 outstations acknowledge receipt XXX on 7290.5 kHz

7587.5 kHz, 08-05, 1359 UTC

XXX PSJP WETER 3 PO RAJONAM 67 68 73 OTMENÄETSÄ K

7587.5 kHz, 08-05, 1416 UTC

PSJP QTC AR

PSJP 608 29 8 1712 608 =

ZPX 969121 487776 617868 487406 103783 102519 =

08170 32835 91460 73304 11006 82622 86530 913XX

08170 42656 92460 73507 11030 87500 910XX

08170 23744 72960 23403 11002 82020 08021 K

7587.5 kHz, 09-05, 1606 UTC

PSJP QTC AR

PSJP 172 28 9 1902 172 =

ZVY 222835 602066 448428 602420 848372 644532 =

09190 32835 78460 70000 10024 86430 913XX

09190 42656 78460 70503 10018 86520 912XX

09190 23744 45960 80306 10064 85021 09020 K 9

7587.5 kHz, 09-05, 1724 UTC

PSJP QTC AR

PSJP 504 28 9 2018 504 =

ZRB 222835 602066 448428 602420 848372 644532 =

09200 32835 78460 70000 10024 86430 913XX

09200 42656 78460 70503 10018 86520 912XX

09200 23744 45960 80306 10064 85021 09020 K

7817 kHz, 08-05, 0734 UTC

XXX WEGI 63326 PAUKOKREP 2219 5366 K

8543 kHz, 08-05, 0746 UTC

XXX 9RPN 43349 POWODOK 0858 1410 K

7314 kHz, 08-05, 0754 UTC

XXX MFT5 81376 SBRIWANIE 5574 1790 K

17460 kHz, 12-05, 1136 UTC

RDL RDL RDL 43353 05760 43353 05760 43353 05760 K

17460 kHz, 12-05, 1214 UTC

RDL RDL RDL 94139 58964 94139 58964 94139 58964 K

RDL RDL RDL 57384 72631 57384 72631 57384 72631 K

17460 kHz, 12-05, 1256 UTC

RDL RDL RDL 57913 34658 57913 34658 57913 34658 K

RDL RDL RDL 20629 63617 20629 63617 20629 63617 K

17460 kHz, 12-05, 1318 UTC

RDL RDL RDL 96778 38214 96778 38214 96778 38214 K

17460 kHz, 12-05, 1358 UTC

RDL RDL RDL

11111 69229 56739 86679 86679 84339 04653 11603 75542

18081 48549 92068 98720 72593 52188 60471 00120 72717

35981 85434 30828 33595 02950 73894 91277 14791 95300

62263 07637 64135 80848 04240 51954 00548 81646 09500

03550 57839 47670 47463 77558 76436 27823 98432 38472

42546 84431 25035 16353 14649 55633 99928 69759 81720

99872 33093 53598 69631 14353 33191 97695 05807 29873

21579 47778 70735 23632 12183 57533 27769 52672 76037

41794 21573 66354 93814 54368 41244 06270 05094 50199

67764 71964 00569 34408 21460 01515 35325 69297 12089 K



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

3797 kHz, 03-05, 1842 UTC

RIC87 DE RCV QTC 141 74 3 0115 141 =

DEJSWUÜQIE PRIP NOWOROSSISK NA 03 0000 MAJ 2017 GODA 2016 GOD 168 320 385 404 445 529 564 623 682 718 720 732

738 2017 GOD 2 16 17 23 25 34 47 50 59 63 64 73 88 101 104 124 137 139 152 156 164 168 170 182 195 200 202 203 206 207

208 209 210 211 214 215 216 217 218 219 220 221 222 224 225 226 227 229 AR

7457 kHz, 08-05, 0910 UTC
15586 kHz, 29-05

XXX RLO ÉLASTÖNYJ 0120 5506 5270 1204 K 8
XXX XXX RJV RJV 10393 NERAZXEMNYJ 9722 3499 K

8345 kHz, 29-05

0607 UTC RCV DE RMNW 936 16 29 0900 936 =
FOR RJE73 RJH45 =
29061 99352 10359 41998 00101 10250 40140 54000 70200 80000 22200 00230 20000 29013 =
+ RMNW K
1804 UTC RCV DE RCIZ 176 16 29 2103 176 =
SML FOR RJH45 RJE73 =
29181 99341 10322 44497 33204 10210 50119 5///// 70200 83020 22262 2///// 29012 =
+ RCIZ K

9145 kHz, 29-05

0833 UTC RJS81 DE RIW QYT4 QSX 12414 K
0839 UTC RKA80 DE RIW QSA? K

12464 kHz, 29-07

RIW DE RJS81 QSA? K
QYT4 QSA? K
OK QYT4 QSX (=QWH) 12370 K
RIT DE RKA80 OK QRR3 QDW 8599 K
OK AS5 K
RCV DE RJC30 QSA? K
QYT4 QSX 11936 K
RCV DE RFH70 QSA? K (RFH70 is navy vessel DG Smetlivyj 810)



JCS FOXTROT MESSAGES & EMERGENCY ACTION MESSAGES

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz

| | | |
|-----------------|-----------|---|
| 01-05, 1704 UTC | Backfeed | 30 chr EAM for Coal-01 A2X4CS G355WGZLB3REWPF56K6NY2RT disregard this message |
| 01-05, 1706 UTC | Backfeed | 30 chr EAM for Coal-01 A2X4CS G355WGZLB3REWPF56K6NY2RT |
| 05-05, 1625 UTC | Sellout | 30 chr EAM for Adjourn A2JROE YLKUIDXMDNMP6EA4IU4ULRSM |
| 07-05, 1603 UTC | Reassign | 30 chr EAM SO2NO4 XUDJC52NE3T3OQIYW3VI6TCB |
| 07-05, 1614 UTC | Reassign | 30 chr EAM for Comeback A253EV 2MGQ4ORAFUM6VPLEN6XJCNZM |
| 07-05, 1802 UTC | Reassign | 30 chr EAM for Mugwump A24WTO 30YMM6UCF6S2J6LEG6W47NJC |
| 07-05, 1815 UTC | Reassign | 30 chr EAM for Comeback A2MRWQ 5KYB7WHIIXJTGT4CLTWXELP |
| 07-05, 1827 UTC | Reassign | 30 chr EAM for Mugwump A2YNTM JBWUBVS2SUGO243ITIQFHOB5 |
| 07-05, 1838 UTC | Reassign | 30 chr EAM for Comeback A2QCP3 3ZGII3F36WEDUCKKUNQ2YUH |
| 07-05, 1928 UTC | Reassign | 30 chr EAM SOWN7J DDPSBHA6EQQ4KNGRUAF3MRHH |
| 07-05, 1945 UTC | Reassign | 30 chr EAM SPZDAD WTZA7RQP7D7KMKVGUV4WUYMR |
| 07-05, 1956 UTC | Reassign | 30 chr EAM SOSSB5 Z24BITDKSZESKJV6WGJE7DTB |
| 07-05, 2023 UTC | Reassign | 30 chr EAM SOWVHA 7FA3CZSWIW44NKPHMCCWGA5C |
| 09-05, 1624 UTC | Pastrami | 30 chr EAM EACATR 54WUBB6S2PMR67UJNIP4RHZ3 |
| 09-05, 1637 UTC | Pastrami | 30 chr EAM EAFWBS XB6PSKAW4KDIKPAD2VOYEWU |
| 09-05, 1642 UTC | Pastrami | 30 chr EAM EAM2WY 05ZPT6VHNF2O7HPLZVSMWSR3 |
| 11-05, 0611 UTC | Cockfight | EAM i.p. ANBHS6O6TPAQCCMQESAZ |
| 11-05, 0611 UTC | Cockfight | 30 chr EAM EAWHWP N3UCKV5GY6CEPN2BIXUAWWHX |
| 11-05, 0614 UTC | Cockfight | 30 chr EAM EAXDDI ZBMC5GUVHY64PPZIHMF5ZRVD |
| 18-05, 1800 UTC | Celestial | 30 chr EAM 723PSK D7I4FIE6IYOLI2HY5EJI26O |

| | | |
|-----------------|-----------|---|
| 18-05, 1802 UTC | Celestial | 30 chr EAM 72ANLR GAFKU2ENFFOLLGKK4IB2Y3ZE |
| 18-05, 1804 UTC | Celestial | 30 chr EAM 72RCJR N62UE6IRVNDQQITA7FPJTD53 |
| 18-05, 1800 UTC | Celestial | EAM 72URZR UK Disregard this message |
| 18-05, 1822 UTC | Celestial | 32 chr EAM 72DXZN SIKXGMCWFIFQEQ5PPI7IVSMO2D |
| 18-05, 1830 UTC | Celestial | 30 chr EAM 727J3O S6YUGB6VPBJX2TPMHS32Y7L2 |
| 18-05, 1830 UTC | Celestial | 30 chr EAM Q2UKVW UVW44N4QYPZ3F27BSATQQYRB Disregard this message |
| 18-05, 1843 UTC | Celestial | 35 chr EAM MBQZEF QQKVMCUNWTRMSOZNJ63JO3JXPUZOS |
| 18-05, 1850 UTC | Celestial | 25 chr EAM 72URZR KW4N4NPZ3P2BSAQQWRC |

LOGS SECTION

| Code | Freq | Date | UTC | Day | Details | Mode | ctrb |
|------|---------|------|------|-----|---|---------------------------|-----------|
| --- | 10316 | 20-5 | 1009 | Sat | E99X 174 30 21 1300 174 = ZZV FM E99X FOR E3EQ 858 = | CW | (JPL-NZL) |
| --- | 9130 | 20-5 | 1109 | Sat | Unid i.p. 4N566 4U45N UT.44 AR II 74W 74W N..NU4 N 74W 5UN5D (Cont'ed to repeat groups) | CW | (JPL-NZL) |
| DPRK | 18033 | 12-5 | 1439 | Fri | MFA Pyongyang to unid embassy | DPRQ-ARQ 1200/1200 LSB | (MCO) |
| DPRK | 16820 | 12-5 | 1604 | Fri | MFA Pyongyang to unid embassy | DPRQ-ARQ 1200/1200 LSB | (MCO) |
| DPRK | 9554.5 | 15-5 | 0840 | Mon | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 13416.5 | 15-5 | 0842 | Mon | N. Korean diplo i.p. | DPRK-ARQ 1200/1200 LSB | (AB) |
| DPRK | 18035 | 16-5 | 0700 | Tue | MFA Pyongyang, encrypted traffic | DPRK-ARQ 600/600 LSB | (EW) |
| DPRK | 10330 | 16-5 | 0810 | Tue | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 10397.5 | 16-5 | 0812 | Tue | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 14443.5 | 16-5 | 0849 | Tue | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16022.5 | 16-5 | 0916 | Tue | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 15885 | 16-5 | 1346 | Tue | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 14114.5 | 17-5 | 0808 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 14443.5 | 17-5 | 0808 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16007.5 | 17-5 | 0811 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16319.5 | 17-5 | 0813 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 14443.5 | 17-5 | 0850 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16044.5 | 17-5 | 0948 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16024.5 | 17-5 | 0949 | Wed | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16665.5 | 19-5 | 0730 | Fri | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 15532.5 | 19-5 | 0734 | Fri | N. Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16554.5 | 19-5 | 0824 | Fri | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16249.5 | 19-5 | 0826 | Fri | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| DPRK | 16007.5 | 19-5 | 1248 | Fri | North Korean diplo i.p. | DPRK-ARQ 600/600 LSB | (AB) |
| E06 | 16030 | 3-5 | 1600 | Wed | 216 483 57 14531 48573 44157 ... 70935 77586 37311 483 57 00000 | USB | (Danix) |
| E06 | 13489 | 3-5 | 1700 | Wed | 216 483 57 14531 48573 44157 ... 70935 77586 37311 483 57 00000 | USB | (Danix) |
| E06 | 14565 | 4-5 | 0500 | Thu | 460 981 52 10273 40571 13449 ... 05223 84006 21733 981 52 00000 | USB | (AB/HFD) |
| E06 | 16125 | 4-5 | 0600 | Thu | 460 981 52 10273 40571 13449 ... 05223 84006 21733 981 52 00000 | USB | (AB/HFD) |
| E06 | 5933 | 4-5 | 2030 | Thu | 724 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000 | USB | (AB.HFD) |
| E06 | 14565 | 5-5 | 0500 | Fri | 460 981 52 10273 40571 13449 ... 05223 84006 21733 981 52 00000 | USB | (AB/ES) |
| E06 | 16125 | 5-5 | 0600 | Fri | 460 981 52 10273 40571 13449 ... 05223 84006 21733 981 52 00000 | USB | (AB/ES) |
| E06 | 5733 | 5-5 | 2130 | Fri | 315 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 | USB | (AB/HFD) |
| E06 | 14565 | 18-5 | 0500 | Thu | 460 792 51 64608 29292 46308 ... | USB | (AB) |

| | | | | | | | |
|-------------|-------|------|------|-----|--|-----|--------------|
| | | | | | 77342 46367 50675 792 51 00000 | | |
| E06 | 16125 | 18-5 | 0600 | Thu | 460 792 51 64608 29292 46308 ... 77342 46367 50675 792 51 00000 | USB | (AB) |
| E06 | 14565 | 19-5 | 0500 | Fri | 460 792 51 64608 29292 46308 ... 77342 46367 50675 792 51 00000 | USB | (AB) |
| E06 | 16125 | 19-5 | 0600 | Fri | 460 792 51 64608 29292 46308 ... 77342 46367 50675 792 51 00000 | USB | (AB) |
| E06 | 5731 | 19-5 | 2130 | Fri | 315 746 68 73631 85189 12389 ... 54187 54387 12845 746 68 00000 | USB | (AB) |
| E06b | 10755 | 10-5 | 1900 | Wed | 975 975 975 34301 | USB | (Danix) |
| E07 | 15872 | 1-5 | 1920 | Mon | 483 483 483 000 | USB | (AnEur) |
| E07 | 17459 | 2-5 | 1120 | Tue | 6411 9868 72 78171 ... | USB | (HFD) |
| E07 | 16159 | 2-5 | 1140 | Tue | 6411 9868 72 78171 ... | USB | (HFD) |
| E07 | 14763 | 3-5 | 1700 | Wed | 731 731 731 000 | AM | (AB) |
| E07 | 13363 | 3-5 | 1720 | Wed | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 17472 | 3-5 | 1900 | Wed | 483 483 483 000 | USB | (AB/MPJ/RL) |
| E07 | 15872 | 3-5 | 1920 | Wed | 483 483 483 000 | USB | (AB) |
| E07 | 11539 | 4-5 | 2010 | Thu | 553 553 553 000 | AM | (AB/HFD) |
| E07 | 10547 | 4-5 | 2030 | Thu | 553 553 553 000 | AM | (AB/HFD) |
| E07 | 18659 | 5-5 | 1100 | Fri | 641 1 9868 72 78171 44003 59323 ... 92726 10380 57216 000 000 | USB | (AB-RUS/ES) |
| E07 | 17459 | 5-5 | 1120 | Fri | 641 1 9868 72 78171 44003 59323 ... 92726 10380 57216 000 000 | USB | (AB/ES) |
| E07 | 16159 | 5-5 | 1140 | Fri | 641 1 9868 72 78171 44003 59323 ... 92726 10380 57216 000 000 | USB | (AB/ES) |
| E07 | 9064 | 6-5 | 0600 | Sat | 024 024 024 000 | USB | (AB/ES) |
| E07 | 10264 | 6-5 | 0620 | Sat | 024 024 024 000 | USB | (AB) |
| E07 | 9064 | 7-5 | 0600 | Sun | 024 024 024 000 | USB | (AB) |
| E07 | 10264 | 7-5 | 0620 | Sun | 024 024 024 000 | USB | (AB/HFD) |
| E07 | 14763 | 7-5 | 1700 | Sun | 731 731 731 000 | AM | (AB/HFD) |
| E07 | 13363 | 7-5 | 1720 | Sun | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 17472 | 8-5 | 1900 | Mon | 483 483 483 000 | USB | (AB/MPJ/HFD) |
| E07 | 15872 | 8-5 | 1920 | Mon | 483 483 483 000 | USB | (AB/MPJ) |
| E07 | 18659 | 9-5 | 1100 | Tue | 641 641 641 000 | USB | (AB-UKR/HFD) |
| E07 | 17459 | 9-5 | 1120 | Tue | 641 641 641 000 | USB | (AB/MPJ/HFD) |
| E07 | 14763 | 10-5 | 1700 | Wed | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 13363 | 10-5 | 1720 | Wed | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 17472 | 10-5 | 1900 | Wed | 483 483 483 000 | USB | (AB/RL) |
| E07 | 15872 | 10-5 | 1920 | Wed | 483 483 483 000 | USB | (AB/RL) |
| E07 | 11539 | 11-5 | 2010 | Thu | 553 553 553 000 | AM | (AB) |
| E07 | 10547 | 11-5 | 2030 | Thu | 553 553 553 000 | AM | (AB) |
| E07 | 18659 | 12-5 | 1100 | Fri | 641 641 641 000 | USB | (AB-UKR/ES) |
| E07 | 17459 | 12-5 | 1120 | Fri | 641 641 641 000 | USB | (AB/MPJ) |
| E07 | 9064 | 13-5 | 0600 | Sat | 024 024 024 000 | USB | (AB/ES) |
| E07 | 10264 | 13-5 | 0620 | Sat | 024 024 024 000 | USB | (AB) |
| E07 | 9064 | 14-5 | 0600 | Sun | 024 024 024 000 | USB | (AB) |
| E07 | 10264 | 14-5 | 0620 | Sun | 024 024 024 000 | USB | (AB) |
| E07 | 13363 | 14-5 | 1720 | Sun | 731 731 731 000 | AM | (AB) |
| E07 | 17472 | 15-5 | 1900 | Mon | 483 483 483 000 | USB | (MPJ/RL) |
| E07 | 15872 | 15-5 | 1920 | Mon | 483 483 483 000 | USB | (RL) |
| E07 | 18659 | 16-5 | 1100 | Tue | 641 641 641 000 | USB | (AB/ES) |
| E07 | 17459 | 16-5 | 1120 | Tue | 641 641 641 000 | USB | (AB/MPJ/ES) |
| E07 | 14763 | 17-5 | 1700 | Wed | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 13363 | 17-5 | 1720 | Wed | 731 731 731 000 | AM | (AB/MPJ) |
| E07 | 17472 | 17-5 | 1900 | Wed | 483 483 483 000 | USB | (AB/RL) |
| E07 | 15872 | 17-5 | 1920 | Wed | 483 483 483 000 | USB | (AB/RL) |
| E07 | 11539 | 18-5 | 2010 | Thu | 553 553 553 000 | AM | (AB/RL) |
| E07 | 10547 | 18-5 | 2030 | Thu | 553 553 553 000 | AM | (AB) |
| E07 | 19659 | 19-5 | 1100 | Fri | 641 641 641 000 | USB | (ES-RUS) |
| E07 | 9064 | 20-5 | 0600 | Sat | 024 024 024 000 | USB | (AB/ES) |

| | | | | | | | |
|-------------|-------|------|------|-----|--|-----|-------------|
| E07 | 10264 | 20-5 | 0620 | Sat | 024 024 024 000 | USB | (AB/ES) |
| E07 | 14763 | 21-5 | 1700 | Sun | 731 1 803 65 69267 75900 49074 30603 16372 ... 00424 38840 70770 34791 93386 000 000 | USB | (MPJ) |
| E07 | 13363 | 21-5 | 1720 | Sun | 731 1 803 65 69267 75900 49074 30603 16372 ... 00424 38840 70770 34791 93386 000 000 | USB | (MPJ) |
| E07 | 12163 | 21-5 | 1740 | Sun | 731 1 803 65 69267 75900 49074 30603 16372 ... 00424 38840 70770 34791 93386 000 000 | USB | (MPJ) |
| E07 | 17472 | 22-5 | 1900 | Mon | 483 483 483 000 | USB | (AB/MPJ/RL) |
| E07 | 15872 | 22-5 | 1920 | Mon | 483 483 483 000 | USB | (AB/MPJ/RL) |
| E07 | 19659 | 23-5 | 1100 | Tue | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (AnEur) |
| E07 | 17459 | 23-5 | 1120 | Tue | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (MPJ) |
| E07 | 16159 | 23-5 | 1140 | Tue | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (MPJ) |
| E07 | 14763 | 24-5 | 1700 | Wed | 731 1 803 65 69267 75900 49074 30603 ... 70770 34791 93386 000 000 | USB | (AB) |
| E07 | 13363 | 24-5 | 1720 | Wed | 731 1 803 65 69267 75900 49074 30603 ... 70770 34791 93386 000 000 | USB | (AB) |
| E07 | 12163 | 24-5 | 1740 | Wed | 731 1 803 65 69267 75900 49074 30603 ... 70770 34791 93386 000 000 | USB | (AB/MPJ) |
| E07 | 17472 | 24-5 | 1900 | Wed | 483 483 483 000 | USB | (AB/MPJ/RL) |
| E07 | 15872 | 24-5 | 1920 | Wed | 483 483 483 000 | USB | (AB/MPJ/RL) |
| E07 | 11539 | 25-5 | 2010 | Thu | 553 1 915 57 915 57 38257 ... 81652 04184 30834 000 000 | AM | (AB) |
| E07 | 19547 | 25-5 | 2030 | Thu | 553 1 915 57 915 57 38257 ... 81652 04184 30834 000 000 | AM | (AB) |
| E07 | 9388 | 25-5 | 2050 | Thu | 553 1 915 57 915 57 38257 ... 81652 04184 30834 000 000 | AM | (AB) |
| E07 | 19659 | 26-5 | 1100 | Fri | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (AnEur) |
| E07 | 17459 | 26-5 | 1120 | Fri | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (AnEur/MPJ) |
| E07 | 16159 | 26-5 | 1140 | Fri | 641 1 6461 121 25554 98851 68004 12741 82498 ... 50223 85139 36868 20319 07875 000 000 | USB | (AnEur/MPJ) |
| E07 | 14763 | 28-5 | 1700 | Sun | 731 731 731 000 | USB | (MPJ) |
| E07 | 14763 | 28-5 | 1700 | Sun | 731 731 731 000 | AM | (AB) |
| E07 | 13363 | 28-5 | 1720 | Sun | 731 731 731 000 | AM | (AB) |
| E07 | 13363 | 28-5 | 1720 | Sun | 731 731 731 000 | USB | (MPJ) |
| E07 | 17472 | 29-5 | 1900 | Mon | 483 483 483 000 | USB | (MPJ/RL) |
| E07 | 15872 | 31-5 | 1920 | Wed | 483 483 483 000 | USB | (RL) |
| E07 | 17459 | 2-5 | 1120 | Tue | 641 1 9898 72 ... | USB | (PW2) |
| E07a | 12166 | 3-5 | 2000 | Wed | 172 1 33420 928 49 82616 15473 00498 ... 80388 83504 80775 000 000 | USB | (AB/MPJ) |
| E07a | 10766 | 3-5 | 2020 | Wed | 172 1 33420 928 49 82616 15473 00498 ... 80388 83504 80775 000 000 | USB | (AB) |
| E07a | 9266 | 3-5 | 2040 | Wed | 172 1 33420 928 49 82616 15473 00498 ... 80388 83504 80775 000 000 | USB | (AB) |
| E07a | 7933 | 4-5 | 0430 | Thu | 912 1 33420 928 49 82616 15473 00498 ... 80388 83504 80775 000 000 | USB | (AB/ES/HFD) |
| E07a | 9133 | 4-5 | 0450 | Thu | 912 1 33420 928 49 82616 15473 00498 | USB | (AB/ES/HFD) |

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|------|-------|------|------|-----|--|-----|--|-----------------|--|--|
| | | | | | ... 80388 83504 80775 000 000 | | | | | |
| E07a | 10233 | 4-5 | 0510 | Thu | 912 1 33420 928 49 82616 15473 00498 | USB | | (AB/ES/HFD) | | |
| | | | | | ... 80388 83504 80775 000 000 | | | | | |
| E07a | 12182 | 5-5 | 1510 | Fri | 101 101 101 000 | USB | | (AB/MPJ) | | |
| E07a | 11082 | 5-5 | 1530 | Fri | 101 101 101 000 | USB | | (AB/MPJ) | | |
| E07a | 12177 | 6-5 | 0800 | Sat | 148 148 148 000 | USB | | (AB/ES/HFD) | | |
| E07a | 13477 | 6-5 | 0820 | Sat | 148 148 148 000 | USB | | (AB/ES/HFD) | | |
| E07a | 12166 | 10-5 | 2000 | Wed | 172 172 172 000 | USB | | (AB/MPJ/RL/HFD) | | |
| E07a | 10766 | 10-5 | 2020 | Wed | 172 172 172 000 | USB | | (AB/RL/HFD) | | |
| E07a | 7933 | 11-5 | 0430 | Thu | 192 192 192 000 | USB | | (AB/ES) | | |
| E07a | 9133 | 11-5 | 0450 | Thu | 192 192 192 000 | USB | | (AB/ES) | | |
| E07a | 12182 | 12-5 | 1510 | Fri | 101 101 101 000 | USB | | (AB/MPJ/HFD) | | |
| E07a | 11082 | 12-5 | 1530 | Fri | 101 101 101 000 | USB | | (AB/MPJ/HFD) | | |
| E07a | 12177 | 13-5 | 0800 | Sat | 148 148 148 000 | USB | | (AB/ES) | | |
| E07a | 13477 | 13-5 | 0820 | Sat | 148 148 148 000 | USB | | (AB) | | |
| E07a | 12166 | 17-5 | 2000 | Wed | 172 172 172 000 | USB | | (AB/MPJ/RL) | | |
| E07a | 10766 | 17-5 | 2020 | Wed | 172 172 172 000 | USB | | (AB/RL) | | |
| E07a | 7933 | 18-5 | 0430 | Thu | 912 912 912 000 | USB | | (AB/ES) | | |
| E07a | 9133 | 18-5 | 0450 | Thu | 912 912 912 000 | USB | | (AB/ES) | | |
| E07a | 12182 | 19-5 | 1510 | Fri | 101 101 101 000 | USB | | (AB/MPJ) | | |
| E07a | 11082 | 19-5 | 1530 | Fri | 101 101 101 000 | USB | | (AB/MPJ) | | |
| E07a | 12177 | 20-5 | 0800 | Sat | 148 148 148 000 | USB | | (AB/ES) | | |
| E07a | 13477 | 20-5 | 0820 | Sat | 148 148 148 000 | USB | | (AB/ES) | | |
| E07a | 12166 | 24-5 | 2000 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB/SB2) | | |
| E07a | 10766 | 24-5 | 2020 | Wed | 172 1 66168 4145 54 94955 66951 44164 ... 84011 56165 44840 000 000 | USB | | (GHn/RL) | | |
| E07a | 10766 | 24-5 | 2020 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB) | | |
| E07a | 9266 | 24-5 | 2040 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB) | | |
| E07a | 11082 | 25-5 | 1530 | Thu | 101 101 101 000 | USB | | (GHn) | | |
| E07a | 12182 | 26-5 | 1510 | Fri | 101 101 101 000 | USB | | (MPJ) | | |
| E07a | 11082 | 26-5 | 1530 | Fri | 101 101 101 000 | USB | | (MPJ) | | |
| E07a | 12177 | 27-5 | 0800 | Sat | 148 148 148 000 | USB | | (AnEur) | | |
| E07a | 13477 | 27-5 | 0820 | Sat | 148 148 148 000 | USB | | (AnEur) | | |
| E07a | 12166 | 31-5 | 2000 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB/RL) | | |
| E07a | 10766 | 31-5 | 2020 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB/RL) | | |
| E07a | 9266 | 31-5 | 2040 | Wed | 912 1 66168 3135 53 92995 66951 33164 ... 83011 16165 34840 000 000 | USB | | (AB) | | |
| E11 | 7600 | 1-5 | 0530 | Mon | 648/00 | USB | | (AB) | | |
| E11 | 10213 | 1-5 | 0600 | Mon | 189/00 | USB | | (AB) | | |
| E11 | 6280 | 1-5 | 0820 | Mon | 439/00 | USB | | (AB/ES/HFD) | | |
| E11 | 13537 | 1-5 | 1225 | Mon | 521/00 | USB | | (AB/HFD) | | |
| E11 | 14410 | 1-5 | 1745 | Mon | 247/00 | USB | | (AB/ES/HFD) | | |
| E11 | 13424 | 2-5 | 0645 | Tue | 519/00 | USB | | (AB/HFD) | | |
| E11 | 10429 | 2-5 | 0710 | Tue | 630/00 | USB | | (AB/Danix) | | |
| E11 | 18168 | 2-5 | 0820 | Tue | 132/00 | USB | | (Danix) | | |
| E11 | 12397 | 2-5 | 1000 | Tue | 304/00 | USB | | (ES) | | |
| E11 | 13873 | 2-5 | 1045 | Tue | 577/00 | USB | | (MPJ/HFD) | | |
| E11 | 6304 | 2-5 | 1205 | Tue | 461/00 | USB | | (AB/HFD) | | |
| E11 | 15825 | 2-5 | 1345 | Tue | 917/00 | USB | | (MPJ/HFD) | | |
| E11 | 11581 | 2-5 | 1925 | Tue | 521/00 | USB | | (AB/MPJ/HFD) | | |
| E11 | 6304 | 3-5 | 0930 | Wed | 276/00 | USB | | (ES/HFD) | | |
| E11 | 6304 | 3-5 | 1205 | Wed | 460/00 | USB | | (AB/MPJ) | | |
| E11 | 15795 | 3-5 | 1625 | Wed | 970/00 | USB | | (AB/MPJ/HFD) | | |
| E11 | 14865 | 3-5 | 1705 | Wed | 390/00 | USB | | (MPJ/RL) | | |

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|-----|-------|------|------|-----|--------|-----|---------------------|
| E11 | 7984 | 3-5 | 1730 | Wed | 404/00 | USB | (AB/MPJ) |
| E11 | 7600 | 4-5 | 0530 | Thu | 649/00 | USB | (AB) |
| E11 | 13424 | 4-5 | 0645 | Thu | 519/00 | USB | (AB) |
| E11 | 6280 | 4-5 | 0820 | Thu | 431/00 | USB | (AB/MPJ/ES) |
| E11 | 6304 | 4-5 | 0930 | Thu | 279/00 | USB | (AB/ES) |
| E11 | 11581 | 4-5 | 1300 | Thu | 581/00 | USB | (AB/MPJ/ES/P W2) |
| E11 | 8088 | 4-5 | 1730 | Thu | 418/00 | USB | (AB/HFD) |
| E11 | 11581 | 4-5 | 1925 | Thu | 528/00 | USB | (AB/MPJ) |
| E11 | 10213 | 5-5 | 0600 | Fri | 188/00 | USB | (AB)/HFD |
| E11 | 10429 | 5-5 | 0710 | Fri | 639/00 | USB | (AB) |
| E11 | 12397 | 5-5 | 1000 | Fri | 302/00 | USB | (AB/ES) |
| E11 | 13537 | 5-5 | 1225 | Fri | 527/00 | USB | (AB/ES/HFD) |
| E11 | 8530 | 5-5 | 2000 | Fri | 575/00 | USB | (AB/MPJ) |
| E11 | 11581 | 6-5 | 1300 | Sat | 587/00 | USB | (MPJ/HFD) |
| E11 | 15825 | 6-5 | 1345 | Sat | 918/00 | USB | (AB-POL/ES) |
| E11 | 14865 | 6-5 | 1705 | Sat | 399/00 | USB | (RL/HFD) |
| E11 | 7984 | 6-5 | 1730 | Sat | 404/00 | USB | (AB/MPJ/HFD) |
| E11 | 9130 | 6-5 | 2005 | Sat | 369/00 | USB | (HFD) |
| E11 | 15795 | 7-5 | 1625 | Sun | 977/00 | USB | (AB/MPJ) |
| E11 | 9130 | 7-5 | 2005 | Sun | 366/00 | USB | (AB) |
| E11 | 7600 | 8-5 | 0530 | Mon | 647/00 | USB | (AB) |
| E11 | 9610 | 8-5 | 0745 | Mon | 264/00 | USB | (AB) |
| E11 | 6280 | 8-5 | 0820 | Mon | 432/00 | USB | (AB) |
| E11 | 13427 | 8-5 | 0900 | Mon | 532/00 | USB | (AB) |
| E11 | 13537 | 8-5 | 1225 | Mon | 521/00 | USB | (AB/MPJ) |
| E11 | 14410 | 8-5 | 1745 | Mon | 249/00 | USB | (AB) |
| E11 | 7600 | 9-5 | 0530 | Tue | 647/00 | USB | (HFD) |
| E11 | 10429 | 9-5 | 0710 | Tue | 630/00 | USB | (AB) |
| E11 | 10429 | 9-5 | 0710 | Tue | 630/00 | USB | (HFD) |
| E11 | 13873 | 9-5 | 1045 | Tue | 573/00 | USB | (AB/MPJ) |
| E11 | 6304 | 9-5 | 1205 | Tue | 462/00 | USB | (AB/MPJ) |
| E11 | 4783 | 9-5 | 1605 | Tue | 237/00 | USB | (AB/MPJ) |
| E11 | 11581 | 9-5 | 1925 | Tue | 528/00 | USB | (AB) |
| E11 | 8565 | 10-5 | 0315 | Wed | 251/00 | USB | (ES) |
| E11 | 13427 | 10-5 | 0900 | Wed | 537/00 | USB | (AB/ES) |
| E11 | 6304 | 10-5 | 1205 | Wed | 469/00 | USB | (AB/ES) |
| E11 | 14865 | 10-5 | 1705 | Wed | 399/00 | USB | (MPJ) |
| E11 | 7984 | 10-5 | 1730 | Wed | 400/00 | USB | (AB/MPJ) |
| E11 | 7600 | 11-5 | 0530 | Thu | 648/00 | USB | (AB/ES) |
| E11 | 6280 | 11-5 | 0820 | Thu | 436/00 | USB | (AB/ES) |
| E11 | 11581 | 11-5 | 1300 | Thu | 588/00 | USB | (AB) |
| E11 | 10356 | 11-5 | 1530 | Thu | 268/00 | USB | (GHn/MPJ) |
| E11 | 8088 | 11-5 | 1730 | Thu | 415/00 | USB | (AB/MPJ) |
| E11 | 11581 | 11-5 | 1925 | Thu | 520/00 | USB | (AB/MPJ) |
| E11 | 10429 | 12-5 | 0710 | Fri | 639/00 | USB | (AB) |
| E11 | 13537 | 12-5 | 1225 | Fri | 524/00 | USB | (AB) |
| E11 | 14940 | 12-5 | 1650 | Fri | 921/00 | USB | (AB/MPJ) |
| E11 | 8530 | 12-5 | 2000 | Fri | 570/00 | USB | (AB/MPJ) |
| E11 | 11581 | 13-5 | 1300 | Sat | 585/00 | USB | (AB/MPJ) |
| E11 | 14865 | 13-5 | 1705 | Sat | 399/00 | USB | (AB/MPJ/ES) |
| E11 | 7984 | 13-5 | 1730 | Sat | 406/00 | USB | (AB/MPJ) |
| E11 | 9130 | 13-5 | 2005 | Sat | 346/00 | USB | (AB) |
| E11 | 4783 | 14-5 | 1605 | Sun | 230/00 | USB | (AB/MPJ) |
| E11 | 14940 | 14-5 | 1650 | Sun | 927/00 | USB | (AB/MPJ) |
| E11 | 14410 | 14-5 | 1745 | Sun | 242/00 | USB | (GHn/MPJ) |
| E11 | 9130 | 14-5 | 2005 | Sun | 367/00 | USB | (AB) |
| E11 | 7600 | 15-5 | 0530 | Mon | 646/00 | USB | (AB) |
| E11 | 10213 | 15-5 | 0600 | Mon | 181/00 | USB | (AB) |
| E11 | 9610 | 15-5 | 0745 | Mon | 262/00 | USB | (AB) |

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|-----|-------|------|------|-----|--------|-----|--------------|
| E11 | 6280 | 15-5 | 0820 | Mon | 431/00 | USB | (AB) |
| E11 | 13427 | 15-5 | 0900 | Mon | 535/00 | USB | (AB) |
| E11 | 13424 | 16-5 | 0645 | Tue | 510/00 | USB | (AB/ES) |
| E11 | 18168 | 16-5 | 0820 | Tue | 132/00 | USB | (AB-POL/ES) |
| E11 | 18168 | 16-5 | 0820 | Tue | 132/00 | USB | (HFD) |
| E11 | 12397 | 16-5 | 1000 | Tue | 308/00 | USB | (AB/MPJ) |
| E11 | 13873 | 16-5 | 1045 | Tue | 579/00 | USB | (AB/MPJ) |
| E11 | 6304 | 16-5 | 1205 | Tue | 461/00 | USB | (AB/MPJ/ES) |
| E11 | 15825 | 16-5 | 1345 | Tue | 918/00 | USB | (AB/MPJ/ES) |
| E11 | 4783 | 16-5 | 1605 | Tue | 233/00 | USB | (AB) |
| E11 | 18168 | 17-5 | 0820 | Wed | 130/00 | USB | (AB) |
| E11 | 13427 | 17-5 | 0900 | Wed | 534/00 | USB | (AB/ES) |
| E11 | 6304 | 17-5 | 0930 | Wed | 279/00 | USB | (AB/ES) |
| E11 | 6304 | 17-5 | 1205 | Wed | 469/00 | USB | (AB/MPJ) |
| E11 | 15795 | 17-5 | 1625 | Wed | 975/00 | USB | (AB) |
| E11 | 7984 | 17-5 | 1730 | Wed | 409/00 | USB | (AB/MPJ) |
| E11 | 7600 | 18-5 | 0530 | Thu | 644/00 | USB | (AB/ES) |
| E11 | 13424 | 18-5 | 0645 | Thu | 519/00 | USB | (AB) |
| E11 | 6280 | 18-5 | 0820 | Thu | 431/00 | USB | (AB/MPJ/ES) |
| E11 | 6304 | 18-5 | 0930 | Thu | 270/00 | USB | (AB) |
| E11 | 11581 | 18-5 | 1300 | Thu | 589/00 | USB | (AB/MPJ) |
| E11 | 10356 | 18-5 | 1530 | Thu | 269/00 | USB | (AB/GHn/MPJ) |
| E11 | 10213 | 19-5 | 0600 | Fri | 183/00 | USB | (AB/ES) |
| E11 | 12397 | 19-5 | 1000 | Fri | 302/00 | USB | (AB) |
| E11 | 14940 | 19-5 | 1650 | Fri | 927/00 | USB | (AB/MPJ) |
| E11 | 8530 | 19-5 | 2000 | Fri | 577/00 | USB | (AB/MPJ) |
| E11 | 11581 | 20-5 | 1300 | Sat | 588/00 | USB | (AB/MPJ) |
| E11 | 15825 | 20-5 | 1345 | Sat | 915/00 | USB | (PW2) |
| E11 | 7984 | 20-5 | 1730 | Sat | 405/00 | USB | (AB/MPJ/ES) |
| E11 | 9079 | 21-5 | 0806 | Sun | 319/00 | USB | (MPJ) |
| E11 | 15795 | 21-5 | 1625 | Sun | 975/00 | USB | (MPJ) |
| E11 | 14940 | 21-5 | 1650 | Sun | 920/00 | USB | (MPJ) |
| E11 | 9510 | 21-5 | 1910 | Sun | 613/00 | USB | (HFD) |
| E11 | 9610 | 22-5 | 0745 | Mon | 269/00 | USB | (AnEur) |
| E11 | 13927 | 22-5 | 0900 | Mon | 538/00 | USB | (AnEur) |
| E11 | 13537 | 22-5 | 1225 | Mon | 527/00 | USB | (MPJ) |
| E11 | 14410 | 22-5 | 1745 | Mon | 242/00 | USB | (MPJ/GHn) |
| E11 | 13424 | 23-5 | 0645 | Tue | 510/00 | USB | (AnEur) |
| E11 | 10429 | 23-5 | 0710 | Tue | 635/00 | USB | (AnEur) |
| E11 | 18168 | 23-5 | 0820 | Tue | 134/00 | USB | (AnEur) |
| E11 | 12397 | 23-5 | 1000 | Tue | 305/00 | USB | (AnEur) |
| E11 | 8800 | 23-5 | 1020 | Tue | 424/00 | USB | (AnEur) |
| E11 | 6304 | 23-5 | 1205 | Tue | 465/00 | USB | (MPJ) |
| E11 | 15825 | 23-5 | 1345 | Tue | 910/00 | USB | (MPJ) |
| E11 | 4783 | 23-5 | 1605 | Tue | 230/00 | USB | (MPJ) |
| E11 | 11581 | 23-5 | 1925 | Tue | 528/00 | USB | (MPJ) |
| E11 | 6304 | 25-5 | 0930 | Thu | 273/00 | USB | (MPJ) |
| E11 | 10356 | 25-5 | 1530 | Thu | 261/00 | USB | (MPJ) |
| E11 | 8088 | 25-5 | 1730 | Thu | 416/00 | USB | (AB/MPJ) |
| E11 | 11581 | 25-5 | 1925 | Thu | 523/00 | USB | (GHn/MPJ) |
| E11 | 15825 | 27-5 | 1345 | Sat | 910/00 | USB | (MPJ) |
| E11 | 14865 | 27-5 | 1705 | Sat | 390/00 | USB | (AB/MPJ) |
| E11 | 9130 | 27-5 | 2205 | Sat | 364/00 | USB | (AB) |
| E11 | 4783 | 28-5 | 1605 | Sun | 238/00 | USB | (MPJ) |
| E11 | 15795 | 28-5 | 1625 | Sun | 976/00 | USB | (MPJ) |
| E11 | 14940 | 28-5 | 1650 | Sun | 929/00 | USB | (AB) |
| E11 | 14940 | 28-5 | 1650 | Sun | 929/00 | USB | (MPJ) |
| E11 | 14410 | 28-5 | 1745 | Sun | 244/00 | USB | (MPJ) |
| E11 | 13537 | 29-5 | 1225 | Mon | 521/00 | USB | (MPJ) |
| E11 | 14410 | 29-5 | 1745 | Mon | 247/00 | USB | (MPJ) |

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|-------------|-------|------|------|-----|--|-----|--------------|
| E11a | 9610 | 1-5 | 0745 | Mon | 269/38 79867 | USB | (HFD) |
| E11a | 13427 | 1-5 | 0900 | Mon | 538/40 Attention 54551 44819 44626 ... 05256 10405 76644 Attention, rpt msg, out | USB | (AB/ES/HFD) |
| E11a | 4783 | 2-5 | 1605 | Tue | 231/35 Attention 38279 92202 61416 ... 01932 18627 40500 Attention, rpt msg, out | USB | (AB/MPJ/HFD) |
| E11a | 13427 | 3-5 | 0900 | Wed | 538/40 54551 | USB | (HFD) |
| E11a | 13427 | 3-5 | 0900 | Wed | 538/40 Attention 54551 44819 44626 ... 05256 10405 76644 Attention, rpt msg, out | USB | (AB/ES) |
| E11a | 10356 | 4-5 | 1530 | Thu | 269/38 Attention 79867 51422 25677 06540 54027 ... 83201 52248 48506 67720 52833 | USB | (MPJ/HFD) |
| E11a | 14940 | 5-5 | 1650 | Fri | 922/35 Attention 05583 15732 09971 ... 92491 62571 71242 Attention, rpt msg, out | USB | (AB/MPJ/HFD) |
| E11a | 4783 | 7-5 | 1605 | Sun | 231/35 Attention 38279 92202 61416 ... 01932 18627 40500 Attention, rpt msg, out | USB | (AB) |
| E11a | 14940 | 7-5 | 1650 | Sun | 922/35 Attention 05583 15732 09971 ... 92491 62571 71242 Attention, rpt msg, out | USB | (AB/MPJ) |
| E11a | 10213 | 8-5 | 0600 | Mon | 188/32 Attention 65900 97689 46515 ... 73755 93949 15500 Attention, rpt msg, out | USB | (AB) |
| E11a | 13424 | 9-5 | 0645 | Tue | 511/37 Attention 24934 18914 77735 ... 69489 01689 85531 Attention, rpt msg, out | USB | (AB) |
| E11a | 18168 | 9-5 | 0820 | Tue | 132/39 Attention 31840 08372 30730 ... 80616 63931 32826 Attention, rpt msg, out | USB | (AB-POL) |
| E11a | 12397 | 9-5 | 1000 | Tue | 305/33 Attention 04853 08092 47963 ... 48938 80855 90236 Attention, rpt msg, out | USB | (AB/MPJ) |
| E11a | 15825 | 9-5 | 1345 | Tue | 910/39 Attention 29550 45264 77565 73174 02438 80903 22866 70614 85036 97079 ... | USB | (AB) |
| E11a | 18168 | 10-5 | 0820 | Wed | 132/39 Attention 31840 08372 30730 ... 80616 63931 32826 Attention, rpt msg, out | USB | (AB-RUS/ES) |
| E11a | 6304 | 10-5 | 0930 | Wed | 279/39 Attention 14046 44640 60971 ... 49588 97744 91691 Attention, rpt msg, out | USB | (AB/ES) |
| E11a | 15795 | 10-5 | 1625 | Wed | 974/34 Attention 51200 81065 21273 54033 08884 ... 93149 45219 76039 60276 13141 | USB | (MPJ) |
| E11a | 13424 | 11-5 | 0645 | Thu | 511/37 Attention 24934 18914 77735 ... 69489 01689 85531 Attention, rpt msg, out | USB | (AB/ES) |
| E11a | 6304 | 11-5 | 0930 | Thu | 279/39 Attention 14046 44640 60971 ... 49588 97744 91691 Attention, rpt msg, out | USB | (AB) |
| E11a | 10213 | 12-5 | 0600 | Fri | 188/32 Attention 65900 97689 46515 ... 73755 93949 15500 Attention, rpt msg, out | USB | (AB) |
| E11a | 12397 | 12-5 | 1000 | Fri | 305/33 Attention 04853 08092 47963 ... 48938 80855 90236 Attention, rpt msg, out | USB | (AB/ES/HFD) |
| E11a | 14865 | 13-5 | 1705 | Sat | 393/33 Attention 96694 12368 67265 ... | USB | (AB/ES) |

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|-------------|-------|------|------|-----|---|-----|----------------|
| | | | | | 17701 40237 96809 Attention, rpt msg, out | | |
| E11a | 9079 | 14-5 | 0805 | Sun | 313/37 Attention 66313 | USB | (HFD) |
| E11a | 15795 | 14-5 | 1625 | Sun | 974/34 Attention 51200 81065 21273 54033 08884 ... (into the noise) ... 45219 ... 60278 13141 | USB | (AB/MPJ) |
| E11a | 13537 | 15-5 | 1225 | Mon | 521/31 Attention 93254 71716 52164 84656 42924 ... 44539 61795 08965 60827 64839 | USB | (MPJ) |
| E11a | 14410 | 15-5 | 1745 | Mon | 248/31 Attention ... | USB | (AB) |
| E11a | 10429 | 16-5 | 0710 | Tue | 635/32 Attention 43803 31970 78872 ... 17140 97547 48361 Attention, rpt msg, out | USB | (AB/ES) |
| E11a | 11581 | 16-5 | 1925 | Tue | 522/32 Attention 84219 67110 88145 ... 94350 67380 83063 Attention, rpt msg, out | USB | (AB/MPJ) |
| E11a | 8565 | 17-5 | 0315 | Wed | 256/32 Attention 53463 68558 45618 ... 67629 37996 99905 Attention, rpt msg, out | USB | (ES) |
| E11a | 14865 | 17-5 | 1705 | Wed | 393/33 Attention ... | USB | (AnEur) |
| E11a | 8088 | 18-5 | 1730 | Thu | 415/39 Attention 93151 41933 41849 ... 52915 70878 54053 Attention, rpt msg, out | USB | (AB/MPJ) |
| E11a | 11581 | 18-5 | 1925 | Thu | 522/32 Attention 84219 67110 88145 ... 94350 67380 83063 Attention, rpt msg, out | USB | (AB/GHn/MPJ) |
| E11a | 10429 | 19-5 | 0710 | Fri | 635/32 Attention 43803 31970 78872 ... 17140 97547 48361 Attention, rpt msg, out | USB | (AB) |
| E11a | 13537 | 19-5 | 1225 | Fri | 521/31 Attention 93254 71716 52164 ... 08965 60827 64839 Attention, rpt msg, out | USB | (AB/MPJ) |
| E11a | 9130 | 20-5 | 2005 | Sat | 368/39 Attention 88854 81267 34650 ... 72010 21915 77385 Attention, rpt msg, out | USB | (AB) |
| E11a | 14410 | 21-5 | 1745 | Sun | 248/31 Attention 36157 88928 50331 95845 73740 ... 82443 39159 02813 33971 21027 | USB | (MPJ) |
| E11a | 6280 | 22-5 | 0820 | Mon | 436/36 Attention ... | USB | (AnEur) |
| E11a | 13873 | 23-5 | 1045 | Tue | 575/34 Attention ... | USB | (AnEur) |
| E11a | 6280 | 25-5 | 0820 | Thu | 436/36 Attention 87407 80476 24750 14275 89900 ... 64236 05420 30784 15307 79365 | USB | (MPJ) |
| E11a | 11581 | 25-5 | 1300 | Thu | 580/32 Attention 50027 87380 61554 72526 04584 ... 06531 28136 44963 69676 80035 | USB | (MPJ/skx) |
| E11a | 9510 | 26-5 | 1910 | Fri | 618/37 Attention ... | USB | (AB) |
| E11a | 8530 | 26-5 | 2000 | Fri | 575/34 Attention 52961 66877 41301 ... 66821 43592 62529 Attention, rpt msg, out | USB | (GHn) |
| E11a | 11581 | 27-5 | 1300 | Sat | 580/32 Attention 50027 87380 61554 72526 04584 ... 06531 28136 44963 69676 80035 | USB | (MPJ) |
| E11a | 7984 | 27-5 | 1730 | Sat | 402/37 Attention 52698 54728 98193 ... 37413 52905 72873 Attention, rpt msg, out | USB | (AB/dmhz/MPJ) |
| E11a | 9510 | 28-5 | 1910 | Sun | 618/37 Attention 74371 48269 43859 48397 71506 ... 14751 68108 60662 95340 50710 | USB | (MPJ) |
| E17z | 16780 | 4-5 | 0800 | Thu | 674 981 5 07931 98755 84636 45752 | USB | (AB) |

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| | | | | | 64655 981 5 00000 | | |
| E17z | 12850 | 4-5 | 0810 | Thu | 674 981 5 07931 98755 84636 45752 64655 981 5 00000 | USB | (AB/MPJ/ES) |
| E17z | 16780 | 11-5 | 0800 | Thu | 674 981 5 07931 98755 84636 45752 64655 981 5 00000 | USB | (AB-GRC/HFD) |
| E17z | 12850 | 11-5 | 0810 | Thu | 674 981 5 07931 98755 84636 45752 64655 981 5 00000 | USB | (AB/ES/HFD) |
| E17z | 16780 | 18-5 | 0800 | Thu | 674 289 5 79961 04322 16527 38305 17303 289 5 00000 | USB | (AB/ES) |
| E17z | 12850 | 18-5 | 0810 | Thu | 674 289 5 79961 04322 16527 38305 17303 289 5 00000 | USB | (AB/ES) |
| E17z | 16780 | 24-5 | 0800 | Wed | 674 289 5 79961 04322 16527 38305 17303 289 5 00000 | USB | (MPJ) |
| E17z | 12850 | 24-5 | 0810 | Wed | 674 289 5 79961 04322 16527 38305 17303 289 5 00000 | USB | (AnEur) |
| E25 | 6140 | 7-5 | 1033 | Sun | Windows 7 sound followed by Enta Omri. No message sent | AM | (PW2) |
| E25 | 6140 | 8-5 | 1003 | Mon | 570 Message 3033 2023 6784 9624 5476 0806 8474 8341 Rebeat 3033 2023 6784 9624 5476 0806 8474 8341 End of message. End of transmission | AM | (PW2/ES-ISR) |
| E25 | 6140 | 11-5 | 1113 | Thu | 880 Message 4510 6001 7892 2563 5575 6340 2475 3627 5144 4510 Re- beat 4510 6001 7892 2563 5575 6340 2475 3627 5144 4510 EOM EOT | AM | (dmhz) |
| E25 | 9550 | 18-5 | 1010 | Thu | Test | AM | (ES-GRC) |
| EGY | 14621.7 | 8-5 | 1655 | Mon | Egyptian embassy Islamabad OOVp | SITOR-A 100/170 | (SP1) |
| EGY | 14445.7 | 10-5 | 1705 | Wed | MFA Cairo wkg TVXX Egyptian embassy Algiers | SITOR-A 100/170 | (Mark) |
| EGY | 16067.7 | 12-5 | 1339 | Fri | MFA Cairo clg Egyptian embassy Ha- vana (selcall IPTX) | SITOR-A 100/170 | (MCO) |
| EGY | 16334.7 | 16-5 | 1348 | Tue | OOVP: Egyptian embassy Islamabad encrypted message to 71: Egyptian Military Intelligence, Cairo | SITOR-A 100/170 | (AB) |
| EGY | 17416.7 | 17-5 | 1247 | Wed | IPTX: Egyptian embassy Havana | SITOR-A 100/170 | (AB) |
| EGY | 16065.7 | 19-5 | 1248 | Fri | OOVP: Egyptian embassy Islamabad i.p. | SITOR-A 100/170 | (AB) |
| EGY | 16011.7 | 19-5 | 1408 | Fri | OOVP: Egyptian embassy Islamabad i.p. | SITOR-A 100/170 | (AB) |
| EGY | 16223.7 | 23-5 | 1743 | Tue | RCVB: Egyptian embassy Washington encrypted message | SITOR-A 100/170 | (RL) |
| EGY | 17416.7 | 30-5 | 1938 | Tue | MFA Cairo i.p. QAA EFDDE F908E B7C13 4C9FB 760B4 EC6 27219 ... D25C3 2 C1D98 08921 8B51E 3DY RRTQPPQ RBFA? | SITOR-A 100/170 | (RL) |
| F01 | 14363 | 3-5 | 1840 | Wed | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix/MPJ) |
| F01 | 12189 | 3-5 | 1850 | Wed | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix/MPJ /RL) |
| F01 | 10346 | 3-5 | 1900 | Wed | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix) |
| F01 | 14363 | 5-5 | 1840 | Fri | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix/RL/MPJ/HFD) |
| F01 | 12189 | 5-5 | 1850 | Fri | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix/MPJ /HFD) |
| F01 | 10346 | 5-5 | 1900 | Fri | Russian diplo/intel. 87088 71551 05736 ... 64655 08865 50104 00000 | FSK 200/500 | (AB/Danix/MPJ /HFD) |
| F01 | 15806 | 6-5 | 1810 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 | (AB/Danix/HFD) |
| F01 | 13512 | 6-5 | 1820 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 | (AB/Danix/HFD) |
| F01 | 11131 | 6-5 | 1830 | Sat | Russian diplo/intel.)5761 | FSK 200/500 | (AB/Danix/HFD) |

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|-----|-------|------|------|-----|---|-------------------------|
| | | | | | 00000+++++++162 |) |
| F01 | 20206 | 6-5 | 2230 | Sat | Russian diplo/intel. Link ID 00116, Date 5th, Serial #18, Groups 135 | FSK 200/500 (Danix-USA) |
| F01 | 18031 | 6-5 | 2240 | Sat | Russian diplo/intel. Link ID 00116, Date 5th, Serial #18, Groups 135 | FSK 200/500 (Danix-USA) |
| F01 | 20206 | 6-5 | 2330 | Sat | Russian diplo/intel. Link ID 00116, Date 5th, Serial #18, Groups 135 | FSK 200/500 (Danix-USA) |
| F01 | 18031 | 6-5 | 2340 | Sat | Russian diplo/intel. Link ID 00116, Date 5th, Serial #18, Groups 135 | FSK 200/500 (Danix-USA) |
| F01 | 15806 | 13-5 | 1810 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 13512 | 13-5 | 1820 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 11131 | 13-5 | 1830 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 20206 | 13-5 | 2230 | Sat | Russian diplo/intel. Link ID 00116, Date 12th, Serial #19, Groups 159 | FSK 200/500 (Danix-USA) |
| F01 | 18031 | 13-5 | 2240 | Sat | Russian diplo/intel. Link ID 00116, Date 12th, Serial #19, Groups 159 | FSK 200/500 (Danix-USA) |
| F01 | 20206 | 13-5 | 2330 | Sat | Russian diplo/intel. Link ID 00116, Date 12th, Serial #19, Groups 159 | FSK 200/500 (Danix-USA) |
| F01 | 18031 | 13-5 | 2340 | Sat | Russian diplo/intel. Link ID 00116, Date 12th, Serial #19, Groups 159 | FSK 200/500 (Danix-USA) |
| F01 | 10687 | 20-5 | 1700 | Sat | 85942 39542 35954 ... 98948 54230 49328 00000 | FSK 200/500 (JPL-NZL) |
| F01 | 6957 | 20-5 | 1720 | Sat | i.p. 50329 00000 | FSK 200/500 (JPL-NZL) |
| F01 | 15806 | 20-5 | 1810 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 13512 | 20-5 | 1820 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 11131 | 20-5 | 1830 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 14941 | 22-5 | 0025 | Mon | Russian diplo/intel. 11177 00117 94185 19021 01879 | FSK 200/500 (AB/Danix) |
| F01 | 12221 | 22-5 | 0035 | Mon | Russian diplo/intel. 11177 00117 94185 19021 01879 | FSK 200/500 (AB/Danix) |
| F01 | 14941 | 22-5 | 0125 | Mon | Russian diplo/intel. 11177 00117 94185 19021 01879 | FSK 200/500 (AB/Danix) |
| F01 | 12221 | 22-5 | 0135 | Mon | Russian diplo/intel. 11177 00117 94185 19021 01879 | FSK 200/500 (AB/Danix) |
| F01 | 20206 | 26-5 | 2230 | Fri | Russian diplo/intel. 11177 00116 84736 26021 01869 | FSK 200/500 (Danix-USA) |
| F01 | 18031 | 26-5 | 2240 | Fri | Russian diplo/intel. 11177 00116 84736 26021 01869 | FSK 200/500 (Danix-USA) |
| F01 | 15806 | 27-5 | 1810 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 13512 | 27-5 | 1820 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 11131 | 27-5 | 1830 | Sat | Russian diplo/intel.)5761 00000+++++++162 | FSK 200/500 (AB/Danix) |
| F01 | 17471 | 29-5 | 0000 | Mon | Russian diplo/intel. 47027 47370 42349 ... 67660 10575 97245 00000 | FSK 200/500 (Danix-USA) |
| F01 | 14941 | 29-5 | 0025 | Mon | Russian diplo/intel. 11177 00117 83175 26022 01469 | FSK 200/500 (Danix-USA) |
| F01 | 12221 | 29-5 | 0035 | Mon | Russian diplo/intel. 11177 00117 83175 26022 01469 | FSK 200/500 (Danix-USA) |
| F01 | 14421 | 29-5 | 0100 | Mon | Russian diplo/intel. 47027 47370 42349 ... 67660 10575 97245 00000 | FSK 200/500 (Danix-USA) |
| F01 | 14941 | 29-5 | 0125 | Mon | Russian diplo/intel. 11177 00117 83175 26022 01469 | FSK 200/500 (Danix-USA) |

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| F01 | 12221 | 29-5 | 0135 | Mon | Russian diplo/intel. 11177 00117 83175 26022 01469 | FSK 200/500 | (Danix-USA) |
| F06 | 11414 | 1-5 | 0400 | Mon | Russian diplo/intel. Null message on link 45079 | FSK 200/1000 | (AB/Danix) |
| F06 | 10169 | 1-5 | 0410 | Mon | Russian diplo/intel. Null message on link 45079 | FSK 200/1000 | (AB/Danix) |
| F06 | 8169 | 1-5 | 0420 | Mon | Russian diplo/intel. Null message on link 45079 | FSK 200/1000 | (AB/Danix) |
| F06 | 12165 | 2-5 | 1100 | Tue | Russian diplo/intel. Link ID 00000, Date 29th, Serial #71, Groups 365 | FSK 200/1000 | (Danix) |
| F06 | 17488 | 2-5 | 1500 | Tue | Russian diplo/intel. Null message on link 00052 | FSK 200/1000 | (AB/Danix) |
| F06 | 15623 | 2-5 | 1510 | Tue | Russian diplo/intel. Null message on link 00052 | FSK 200/1000 | (AB/Danix) |
| F06 | 12226 | 2-5 | 1520 | Tue | Russian diplo/intel. Null message on link 00052 | FSK 200/1000 | (AB/Danix) |
| F06 | 19214 | 2-5 | 1650 | Tue | Russian diplo/intel. Null message on link 20501 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 17419 | 2-5 | 1700 | Tue | Russian diplo/intel. Null message on link 20501 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 14443 | 2-5 | 1710 | Tue | Russian diplo/intel. Null message on link 20501 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 17420 | 3-5 | 0600 | Wed | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 15673 | 3-5 | 0610 | Wed | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 13361 | 3-5 | 0620 | Wed | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 14694 | 3-5 | 0800 | Wed | Russian diplo/intel. 11166 70048 75896 03051 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 12223 | 3-5 | 0810 | Wed | Russian diplo/intel. 11166 70048 75896 03051 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 10163 | 3-5 | 0820 | Wed | Russian diplo/intel. 11166 70048 75896 03051 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17430 | 3-5 | 1230 | Wed | Russian diplo/intel. 11166 90073 17935 03065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 15814 | 3-5 | 1240 | Wed | Russian diplo/intel. 11166 90073 17935 03065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 13487 | 3-5 | 1250 | Wed | Russian diplo/intel. 11166 90073 17935 03065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 17420 | 4-5 | 0600 | Thu | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 15673 | 4-5 | 0610 | Thu | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 13361 | 4-5 | 0620 | Thu | Russian diplo/intel. Message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 9396 | 4-5 | 0710 | Thu | Russian diplo/intel. Link ID 00000, Date 4th, Serial #73, Groups 361 | FSK 200/1000 | (Danix) |
| F06 | 14738 | 4-5 | 0940 | Thu | Russian diplo/intel. Message | FSK 200/1000 | (AB) |
| F06 | 13990 | 4-5 | 0950 | Thu | Russian diplo/intel. Undecodable message; wrong speed | FSK 100/1000 | (AB) |
| F06 | 16328 | 4-5 | 1330 | Thu | Russian diplo/intel. 11166 80214 95413 04083 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/SP1) |

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| F06 | 14358 | 4-5 | 1340 | Thu | Russian diplo/intel. 11166 80214 95413 04083 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 11146 | 4-5 | 1350 | Thu | Russian diplo/intel. 11166 80214 95413 04083 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 15634 | 6-5 | 1100 | Sat | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 13547 | 6-5 | 1110 | Sat | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 11622 | 6-5 | 1120 | Sat | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 18751 | 6-5 | 2100 | Sat | Russian diplo/intel. 11166 40133 13579 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB- RUS/Danix/RL) |
| F06 | 16174 | 6-5 | 2110 | Sat | Russian diplo/intel. 11166 40133 13579 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 14563 | 6-5 | 2120 | Sat | Russian diplo/intel. 11166 40133 13579 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 15634 | 7-5 | 1100 | Sun | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 13547 | 7-5 | 1110 | Sun | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 11622 | 7-5 | 1120 | Sun | Russian diplo/intel. 11166 50046 74381 05094 03449 | FSK 200/1000 | (AB/Danix) |
| F06 | 19323 | 7-5 | 1530 | Sun | Russian diplo/intel. 11166 10053 13579 07001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17536 | 7-5 | 1540 | Sun | Russian diplo/intel. 11166 10053 13579 07001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 14356 | 7-5 | 1550 | Sun | Russian diplo/intel. 11166 10053 13579 07001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17488 | 9-5 | 1500 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 17488 | 9-5 | 1500 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-GRC/Danix) |
| F06 | 15623 | 9-5 | 1510 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 15623 | 9-5 | 1510 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 12226 | 9-5 | 1520 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 12226 | 9-5 | 1520 | Tue | Russian diplo/intel. 11166 00052 16237 09071 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 19214 | 9-5 | 1650 | Tue | Russian diplo/intel. 11166 10053 13579 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 17419 | 9-5 | 1700 | Tue | Russian diplo/intel. 11166 10053 13579 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/Danix) |

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| F06 | 14443 | 9-5 | 1710 | Tue | Russian diplo/intel. 11166 10053 13579 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB- RUS/Danix/dm hz/MPJ) |
| F06 | 17420 | 10-5 | 0600 | Wed | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 15673 | 10-5 | 0610 | Wed | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 13361 | 10-5 | 0620 | Wed | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 14694 | 10-5 | 0800 | Wed | Russian diplo/intel. 11166 70048 15973 10046 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17488 | 10-5 | 0800 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 12223 | 10-5 | 0810 | Wed | Russian diplo/intel. 11166 70048 15973 10046 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 15823 | 10-5 | 0810 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB/Danix) |
| F06 | 10163 | 10-5 | 0820 | Wed | Russian diplo/intel. 11166 70048 15973 10046 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 13459 | 10-5 | 0820 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB/Danix) |
| F06 | 14638 | 10-5 | 0915 | Wed | Russian diplo/intel. 11166 10031 14092 10137 00049 00000 00000 00000 00000 (note operator's typo in 4th group) | FSK 200/1000 | (AB/Danix) |
| F06 | 12156 | 10-5 | 0925 | Wed | Russian diplo/intel. 11166 10031 14092 10137 00049 00000 00000 00000 00000 (note operator's typo in 4th group) | FSK 200/1000 | (AB/Danix) |
| F06 | 10164 | 10-5 | 0935 | Wed | Russian diplo/intel. 11166 10031 14092 10137 00049 00000 00000 00000 00000 (note operator's typo in 4th group) | FSK 200/1000 | (AB/Danix) |
| F06 | 17420 | 11-5 | 0600 | Thu | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-NZL/Danix) |
| F06 | 15673 | 11-5 | 0610 | Thu | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 13361 | 11-5 | 0620 | Thu | Russian diplo/intel. Message on link 32817 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 17488 | 11-5 | 0800 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB-RUS/Danix) |
| F06 | 15823 | 11-5 | 0810 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB/Danix) |
| F06 | 13459 | 11-5 | 0820 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (AB/Danix/dmh z) |
| F06 | 16328 | 11-5 | 1330 | Thu | Russian diplo/intel. 11166 80214 85213 11072 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 14358 | 11-5 | 1340 | Thu | Russian diplo/intel. 11166 80214 85213 11072 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 11146 | 11-5 | 1350 | Thu | Russian diplo/intel. 11166 80214 85213 11072 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 14644 | 13-5 | 0800 | Sat | Russian diplo/intel. 11166 70147 36987 12056 00989 | FSK 200/1000 | (Danix) |
| F06 | 12193 | 13-5 | 0810 | Sat | Russian diplo/intel. 11166 70147 36987 | FSK 200/1000 | (Danix) |

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| | | | | | 12056 00989 | | |
| F06 | 10184 | 13-5 | 0820 | Sat | Russian diplo/intel. 11166 70147 36987 12056 00989 | FSK 200/1000 | (Danix) |
| F06 | 17426 | 13-5 | 0900 | Sat | Russian diplo/intel. 11166 70004 12347 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 15818 | 13-5 | 0910 | Sat | Russian diplo/intel. 11166 70004 12347 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 13396 | 13-5 | 0920 | Sat | Russian diplo/intel. 11166 70004 12347 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 15634 | 13-5 | 1100 | Sat | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix) |
| F06 | 13547 | 13-5 | 1110 | Sat | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 11622 | 13-5 | 1120 | Sat | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 18751 | 13-5 | 2100 | Sat | Russian diplo/intel. Null message on link 32821 | FSK 200/1000 | (Danix-RUS) |
| F06 | 16174 | 13-5 | 2110 | Sat | Russian diplo/intel. Null message on link 32821 | FSK 200/1000 | (Danix-RUS) |
| F06 | 14563 | 13-5 | 2120 | Sat | Russian diplo/intel. Null message on link 32821 | FSK 200/1000 | (Danix-RUS) |
| F06 | 14644 | 14-5 | 0800 | Sun | Russian diplo/intel. 11166 70147 36987 12056 00989 | FSK 200/1000 | (Danix) |
| F06 | 12193 | 14-5 | 0810 | Sun | Russian diplo/intel. 11166 70147 36987 12056 00989 | FSK 200/1000 | (Danix) |
| F06 | 10184 | 14-5 | 0820 | Sun | Russian diplo/intel. 11166 70147 36987 12056 00989 | FSK 200/1000 | (Danix) |
| F06 | 15634 | 14-5 | 1100 | Sun | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix) |
| F06 | 13547 | 14-5 | 1110 | Sun | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 11622 | 14-5 | 1120 | Sun | Russian diplo/intel. 11166 50046 95741 12095 05869 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 19323 | 14-5 | 1530 | Sun | Russian diplo/intel. Null msg on link 10053 | FSK 200/1000 | (AB/Danix) |
| F06 | 17536 | 14-5 | 1540 | Sun | Russian diplo/intel. Null msg on link 10053 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 14356 | 14-5 | 1550 | Sun | Russian diplo/intel. Null msg on link 10053 | FSK 200/1000 | (AB/Danix) |
| F06 | 11414 | 15-5 | 0400 | Mon | Russian diplo/intel. 11166 70059 52369 15001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 10169 | 15-5 | 0410 | Mon | Russian diplo/intel. 11166 70059 52369 15001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 8169 | 15-5 | 0420 | Mon | Russian diplo/intel. 11166 70059 52369 15001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17488 | 16-5 | 1500 | Tue | Russian diplo/intel. 11166 00052 16497 16056 00049 00000 00000 00000 | FSK 200/1000 | (AB-GRC/Danix/MPJ) |
| F06 | 15623 | 16-5 | 1510 | Tue | Russian diplo/intel. 11166 00052 16497 16056 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 12226 | 16-5 | 1520 | Tue | Russian diplo/intel. 11166 00052 16497 16056 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |

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| F06 | 19214 | 16-5 | 1650 | Tue | Russian diplo/intel. 11166 10053 14265 16065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17419 | 16-5 | 1700 | Tue | Russian diplo/intel. 11166 10053 14265 16065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 14443 | 16-5 | 1710 | Tue | Russian diplo/intel. 11166 10053 14265 16065 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 17420 | 17-5 | 0600 | Wed | Russian diplo/intel. Null message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 15673 | 17-5 | 0610 | Wed | Russian diplo/intel. Null message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 13361 | 17-5 | 0620 | Wed | Russian diplo/intel. Null message on link 32816 | FSK 200/1000 | (AB-J/Danix) |
| F06 | 14694 | 17-5 | 0800 | Wed | Russian diplo/intel. 11166 70048 16328 17034 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 12223 | 17-5 | 0810 | Wed | Russian diplo/intel. 11166 70048 16328 17034 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 10163 | 17-5 | 0820 | Wed | Russian diplo/intel. 11166 70048 16328 17034 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 17430 | 17-5 | 1230 | Wed | Russian diplo/intel. 11166 90073 15963 17001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 15814 | 17-5 | 1240 | Wed | Russian diplo/intel. 11166 90073 15963 17001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 13487 | 17-5 | 1250 | Wed | Russian diplo/intel. 11166 90073 15963 17001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 16328 | 18-5 | 1330 | Thu | Russian diplo/intel. 11166 80214 31628 18086 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 14358 | 18-5 | 1340 | Thu | Russian diplo/intel. 11166 80214 31628 18086 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 11146 | 18-5 | 1350 | Thu | Russian diplo/intel. 11166 80214 31628 18086 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 15634 | 20-5 | 1100 | Sat | Russian diplo/intel. 11166 50046 82410 19096 03149 | FSK 200/1000 | (AB/Danix) |
| F06 | 13547 | 20-5 | 1110 | Sat | Russian diplo/intel. 11166 50046 82410 19096 03149 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 11622 | 20-5 | 1120 | Sat | Russian diplo/intel. 11166 50046 82410 19096 03149 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 18751 | 20-5 | 2100 | Sat | Russian diplo/intel. 11166 40133 14806 20031 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix-RUS) |
| F06 | 16174 | 20-5 | 2110 | Sat | Russian diplo/intel. 11166 40133 14806 20031 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix-RUS) |
| F06 | 14563 | 20-5 | 2120 | Sat | Russian diplo/intel. 11166 40133 14806 20031 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix-RUS) |
| F06 | 15634 | 21-5 | 1100 | Sun | Russian diplo/intel. 11166 50046 82410 19096 03149 | FSK 200/1000 | (Danix) |
| F06 | 13547 | 21-5 | 1110 | Sun | Russian diplo/intel. 11166 50046 82410 | FSK 200/1000 | (Danix) |

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| | | | | | 19096 03149 | | |
| F06 | 11622 | 21-5 | 1120 | Sun | Russian diplo/intel. 11166 50046 82410 19096 03149 | FSK 200/1000 | (Danix) |
| F06 | 19323 | 21-5 | 1530 | Sun | Russian diplo/intel. 11166 10053 78302 19061 01609 | FSK 200/1000 | (Danix) |
| F06 | 17536 | 21-5 | 1540 | Sun | Russian diplo/intel. 11166 10053 78302 19061 01609 | FSK 200/1000 | (Danix/MPJ) |
| F06 | 14356 | 21-5 | 1550 | Sun | Russian diplo/intel. 11166 10053 78302 19061 01609 | FSK 200/1000 | (Danix/MPJ) |
| F06 | 19323 | 22-5 | 1530 | Mon | Russian diplo/intel. 11166 10053 78302 19061 01609 81552 | FSK 200/1000 | (dhmz/MPJ) |
| F06 | 18537 | 22-5 | 1540 | Mon | Russian diplo/intel. 11166 10053 78302 19061 01609 81552 | FSK 200/1000 | (MPJ) |
| F06 | 14356 | 22-5 | 1550 | Mon | Russian diplo/intel. 11166 10053 78302 19061 01609 81552 | FSK 200/1000 | (MPJ) |
| F06 | 17488 | 23-5 | 1500 | Tue | Russian diplo/intel. 11166 00365 22046 10092 00049 00000 00000 00000 | FSK 200/1000 | (AB-HNG/Danix) |
| F06 | 15623 | 23-5 | 1510 | Tue | Russian diplo/intel. 11166 00365 22046 10092 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix) |
| F06 | 12226 | 23-5 | 1520 | Tue | Russian diplo/intel. 11166 00365 22046 10092 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 19214 | 23-5 | 1650 | Tue | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix/dmh z/MPJ) |
| F06 | 17419 | 23-5 | 1700 | Tue | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 14443 | 23-5 | 1710 | Tue | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 14694 | 24-5 | 0800 | Wed | Russian diplo/intel. 11166 70048 18764 24027 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 17488 | 24-5 | 0800 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 12223 | 24-5 | 0810 | Wed | Russian diplo/intel. 11166 70048 18764 24027 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 15823 | 24-5 | 0810 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 10163 | 24-5 | 0820 | Wed | Russian diplo/intel. 11166 70048 18764 24027 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 13459 | 24-5 | 0820 | Wed | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 14638 | 24-5 | 0915 | Wed | Russian diplo/intel. 11166 10031 13579 24001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 12156 | 24-5 | 0925 | Wed | Russian diplo/intel. 11166 10031 13579 24001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 10164 | 24-5 | 0935 | Wed | Russian diplo/intel. 11166 10031 13579 24001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 19214 | 24-5 | 1650 | Wed | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix) |
| F06 | 17419 | 24-5 | 1700 | Wed | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix) |
| F06 | 14443 | 24-5 | 1710 | Wed | Russian diplo/intel. 11166 10053 57381 22065 01669 | FSK 200/1000 | (AB/Danix) |

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| F06 | 17488 | 25-5 | 0800 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 15823 | 25-5 | 0810 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 13459 | 25-5 | 0820 | Thu | Russian diplo/intel. 11166 00052 38261 05014 04309 | FSK 200/1000 | (Danix) |
| F06 | 16328 | 25-5 | 1330 | Thu | Russian diplo/intel. 11166 80214 74128 25012 00049 00000 00000 00000 | FSK 200/1000 | (Danix/MPJ) |
| F06 | 14358 | 25-5 | 1340 | Thu | Russian diplo/intel. 11166 80214 74128 25012 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 11146 | 25-5 | 1350 | Thu | Russian diplo/intel. 11166 80214 74128 25012 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 14644 | 27-5 | 0800 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 12193 | 27-5 | 0810 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 10184 | 27-5 | 0820 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 17426 | 27-5 | 0900 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 15818 | 27-5 | 0910 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 13396 | 27-5 | 0920 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix) |
| F06 | 15634 | 27-5 | 1100 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix/MPJ) |
| F06 | 13547 | 27-5 | 1110 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix/MPJ) |
| F06 | 11622 | 27-5 | 1120 | Sat | Russian diplo/intel. | FSK 200/1000 | (Danix/MPJ) |
| F06 | 18751 | 27-5 | 2100 | Sat | Russian diplo/intel. 11166 40133 13579 27001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 16174 | 27-5 | 2110 | Sat | Russian diplo/intel. 11166 40133 13579 27001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 14563 | 27-5 | 2120 | Sat | Russian diplo/intel. 11166 40133 13579 27001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 19323 | 28-5 | 1530 | Sun | Russian diplo/intel. 11166 10053 63259 28001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 17536 | 28-5 | 1540 | Sun | Russian diplo/intel. 11166 10053 63259 28001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 14356 | 28-5 | 1550 | Sun | Russian diplo/intel. 11166 10053 63259 28001 00049 00000 00000 00000 | FSK 200/1000 | (AB/Danix/MPJ) |
| F06 | 16321 | 29-5 | 0200 | Mon | Russian diplo/intel. 11166 60146 00000 29091 02459 | FSK 200/1000 | (Danix-J) |
| F06 | 14881 | 29-5 | 0300 | Mon | Russian diplo/intel. 11166 60146 00000 29091 02459 | FSK 200/1000 | (Danix-J) |
| F06 | 17488 | 30-5 | 1500 | Tue | Russian diplo/intel. 11166 00052 14257 30053 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 15623 | 30-5 | 1510 | Tue | Russian diplo/intel. 11166 00052 14257 30053 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 12226 | 30-5 | 1520 | Tue | Russian diplo/intel. 11166 00052 14257 30053 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 19214 | 30-5 | 1650 | Tue | Russian diplo/intel. 11166 10053 13579 30001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |
| F06 | 17419 | 30-5 | 1700 | Tue | Russian diplo/intel. 11166 10053 13579 30001 00049 00000 00000 00000 | FSK 200/1000 | (Danix) |

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| F06 | 14443 | 30-5 | 1710 | Tue | Russian diplo/intel. 11166 10053 13579 30001 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) | |
| F06 | 14694 | 31-5 | 0800 | Wed | Russian diplo/intel. 11166 70048 18764 31041 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) | |
| F06 | 12223 | 31-5 | 0810 | Wed | Russian diplo/intel. 11166 70048 18764 31041 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) | |
| F06 | 10163 | 31-5 | 0820 | Wed | Russian diplo/intel. 11166 70048 18764 31041 00049 00000 00000 00000 00000 | FSK 200/1000 | (Danix) | |
| F11 | 7837 | 1-5 | 0515 | Mon | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 7837 | 1-5 | 0520 | Mon | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 1-5 | 0800 | Mon | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 1-5 | 0805 | Mon | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 13424 | 1-5 | 0845 | Mon | 0353 88888 88888 54551 44819 44626 ... 05256 10405 76644 88888 88888 00044 00044 | FSK 100/620 | (AB) | |
| F11 | 13424 | 1-5 | 0850 | Mon | 0353 88888 88888 54551 44819 44626 ... 05256 10405 76644 88888 88888 00044 00044 | FSK 100/620 | (AB) | |
| F11 | 13470 | 2-5 | 0630 | Tue | 0574 00000 | FSK 100/620 | (AB) | |
| F11 | 13470 | 2-5 | 0635 | Tue | 0574 00000 | FSK 100/620 | (AB) | |
| F11 | 10210 | 2-5 | 0655 | Tue | 0684 00000 | FSK 100/620 | (Danix) | |
| F11 | 10210 | 2-5 | 0700 | Tue | 0684 00000 | FSK 100/620 | (Danix) | |
| F11 | 8423 | 2-5 | 0900 | Tue | 0554 00000 | FSK 100/620 | (AB) | |
| F11 | 8423 | 2-5 | 0905 | Tue | 0554 00000 | FSK 100/620 | (AB) | |
| F11 | 13424 | 3-5 | 0845 | Wed | 0353 88888 88888 54551 44819 44626 ... 05256 10405 76644 88888 88888 00044 00044 | FSK 100/620 | (AB) | |
| F11 | 13424 | 3-5 | 0850 | Wed | 0353 88888 88888 54551 44819 44626 ... 05256 10405 76644 88888 88888 00044 00044 | FSK 100/620 | (AB) | |
| F11 | 6280 | 3-5 | 1150 | Wed | 0325 00000 | FSK 100/620 | (AB) | |
| F11 | 6280 | 3-5 | 1155 | Wed | 0325 00000 | FSK 100/620 | (AB) | |
| F11 | 7837 | 4-5 | 0515 | Thu | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 7837 | 4-5 | 0520 | Thu | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 13470 | 4-5 | 0630 | Thu | 0574 00000 | FSK 100/620 | (AB) | |
| F11 | 13470 | 4-5 | 0635 | Thu | 0574 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 4-5 | 0800 | Thu | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 4-5 | 0805 | Thu | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 10210 | 5-5 | 0655 | Fri | 0684 00000 | FSK 100/620 | (AB) | |
| F11 | 10210 | 5-5 | 0700 | Fri | 0684 00000 | FSK 100/620 | (AB) | |
| F11 | 8423 | 5-5 | 0900 | Fri | 0554 00000 | FSK 100/620 | (AB) | |
| F11 | 8423 | 5-5 | 0905 | Fri | 0554 00000 | FSK 100/620 | (AB) | |
| F11 | 7837 | 8-5 | 0515 | Mon | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 7837 | 8-5 | 0520 | Mon | 0446 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 8-5 | 0800 | Mon | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 6480 | 8-5 | 0805 | Mon | 0434 00000 | FSK 100/620 | (AB) | |
| F11 | 13424 | 8-5 | 0845 | Mon | 0353 00000 | FSK 100/620 | (AB) | |
| F11 | 13424 | 8-5 | 0850 | Mon | 0353 00000 | FSK 100/620 | (AB) | |
| F11 | 13470 | 9-5 | 0630 | Tue | 0574 88888 88888 24934 18914 77735 ... 69489 01689 85531 88888 88888 00041 00041 | FSK 100/620 | (AB) | |
| F11 | 13470 | 9-5 | 0635 | Tue | 0574 88888 88888 24934 18914 77735 ... 69489 01689 85531 88888 88888 00041 00041 | FSK 100/620 | (AB) | |
| F11 | 10210 | 9-5 | 0655 | Tue | 0684 00000 | FSK 100/620 | (AB) | |

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|-----|-------|------|------|-----|--|-------------|-------------|
| F11 | 10210 | 9-5 | 0700 | Tue | 0684 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 9-5 | 0900 | Tue | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 9-5 | 0905 | Tue | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 9-5 | 1150 | Tue | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 9-5 | 1155 | Tue | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 10-5 | 0845 | Wed | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 10-5 | 0850 | Wed | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 10-5 | 1150 | Wed | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 10-5 | 1155 | Wed | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 7837 | 11-5 | 0515 | Thu | 0446 00000 | FSK 100/620 | (AB) |
| F11 | 7837 | 11-5 | 0520 | Thu | 0446 00000 | FSK 100/620 | (AB) |
| F11 | 13470 | 11-5 | 0630 | Thu | 0574 88888 88888 24934 18914 77735 ... 69489 01689 85531 88888 88888 00041 00041 | FSK 100/620 | (AB) |
| F11 | 13470 | 11-5 | 0635 | Thu | 0574 88888 88888 24934 18914 77735 ... 69489 01689 85531 88888 88888 00041 00041 | FSK 100/620 | (AB) |
| F11 | 6480 | 11-5 | 0800 | Thu | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 6480 | 11-5 | 0805 | Thu | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 10210 | 12-5 | 0655 | Fri | 0684 00000 | FSK 100/620 | (AB) |
| F11 | 10210 | 12-5 | 0700 | Fri | 0684 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 12-5 | 0900 | Fri | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 12-5 | 0905 | Fri | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 7837 | 15-5 | 0515 | Mon | 0446 00000 | FSK 100/620 | (AB/SB3) |
| F11 | 7837 | 15-5 | 0520 | Mon | 0446 00000 | FSK 100/620 | (AB/SB3) |
| F11 | 6480 | 15-5 | 0800 | Mon | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 6480 | 15-5 | 0805 | Mon | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 15-5 | 0845 | Mon | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 15-5 | 0850 | Mon | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 13470 | 16-5 | 0630 | Tue | 0574 00000 | FSK 100/620 | (AB) |
| F11 | 13470 | 16-5 | 0635 | Tue | 0574 00000 | FSK 100/620 | (AB) |
| F11 | 10210 | 16-5 | 0655 | Tue | 0684 88888 88888 43803 31970 78872 ... 17140 97547 48361 88888 88888 00036 00036 | FSK 100/620 | (AB) |
| F11 | 10210 | 16-5 | 0700 | Tue | 0684 88888 88888 43803 31970 78872 ... 17140 97547 48361 88888 88888 00036 00036 | FSK 100/620 | (AB) |
| F11 | 8423 | 16-5 | 0900 | Tue | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 16-5 | 0905 | Tue | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 16-5 | 1150 | Tue | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 16-5 | 1155 | Tue | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 17-5 | 0845 | Wed | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 13424 | 17-5 | 0850 | Wed | 0353 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 17-5 | 1150 | Wed | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 6280 | 17-5 | 1155 | Wed | 0325 00000 | FSK 100/620 | (AB) |
| F11 | 7837 | 18-5 | 0515 | Thu | 0446 00000 | FSK 100/620 | (AB) |
| F11 | 7837 | 18-5 | 0520 | Thu | 0446 00000 | FSK 100/620 | (AB) |
| F11 | 13470 | 18-5 | 0630 | Thu | 0574 00000 | FSK 100/620 | (AB) |
| F11 | 13470 | 18-5 | 0635 | Thu | 0574 00000 | FSK 100/620 | (AB) |
| F11 | 6480 | 18-5 | 0800 | Thu | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 6480 | 18-5 | 0805 | Thu | 0434 00000 | FSK 100/620 | (AB) |
| F11 | 10210 | 19-5 | 0655 | Fri | 0684 88888 88888 43803 31970 78872 ... 17140 97547 48361 88888 88888 00036 00036 | FSK 100/620 | (AB) |
| F11 | 10210 | 19-5 | 0700 | Fri | 0684 88888 88888 43803 31970 78872 ... 17140 97547 48361 88888 88888 00036 00036 | FSK 100/620 | (AB) |
| F11 | 8423 | 19-5 | 0900 | Fri | 0554 00000 | FSK 100/620 | (AB) |
| F11 | 8423 | 19-5 | 0905 | Fri | 0554 00000 | FSK 100/620 | (AB) |
| G06 | 7320 | 1-5 | 0800 | Mon | 329 329 329 00000 | USB | (AB/ES/HFD) |

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|-------------|-------|------|------|-----|--|---------|---------------------|
| G06 | 5766 | 1-5 | 1700 | Mon | 691 691 691 00000 | USB | (ES) |
| G06 | 5766 | 1-5 | 1707 | Mon | 111 111 111 00000 | ISB | (ES) |
| G06 | 5136 | 1-5 | 1800 | Mon | 691 691 691 00000 Windows shut down sound | USB | (AB/ES/HFD) |
| G06 | 6823 | 3-5 | 1300 | Wed | 691 691 691 00000 | USB | (ES) |
| G06 | 5890 | 4-5 | 1300 | Thu | 329 329 329 00000 | USB | (AB/ES/PW2/H FD) |
| G06 | 5766 | 8-5 | 1700 | Mon | 691 691 691 00000 | USB | (AB/MPJ/HFD) |
| G06 | 5766 | 8-5 | 1705 | Mon | 111 111 111 00000 | USB | (AB) |
| G06 | 5766 | 8-5 | 1708 | Mon | 111 111 111 00000 | USB | (AB) |
| G06 | 5136 | 8-5 | 1800 | Mon | 691 691 691 00000 | USB | (AB/MPJ/HFD) |
| G06 | 7318 | 10-5 | 1200 | Wed | 691 691 691 00000 | USB | (MPJ/ES/HFD) |
| G06 | 6823 | 10-5 | 1300 | Wed | 691 691 691 00000 | USB | (AB/ES/HFD) |
| G06 | 6887 | 11-5 | 1830 | Thu | 842 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 Note: same message as E06 on 5733 kHz, 05- 05, 2130 UTC | USB | (AB/MPJ) |
| G06 | 5943 | 12-5 | 1928 | Fri | 218 111 111... | USB | (HFD) |
| G06 | 5943 | 12-5 | 1929 | Fri | 111 111 1 then switches to 5938 kHz | USB | (AB) |
| G06 | 5938 | 12-5 | 1931 | Fri | 218 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 | USB | (AB) |
| G06 | 7320 | 15-5 | 0800 | Mon | 329 329 329 00000 | USB | (AB) |
| G06 | 5890 | 18-5 | 1259 | Thu | 329 329 329 00000 | USB | (ES-POL) |
| G06 | 6887 | 25-5 | 1800 | Thu | 842 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 | USB | (AB/MPJ) |
| G06 | 5939 | 26-5 | 1930 | Fri | 218 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 | USB | (AB) |
| G06 | 5136 | 1-5 | 1800 | Mon | 691 691 691 00000 | USB | (PW2) |
| HM01 | 11435 | 1-5 | 1559 | Mon | 31104 32856 33004 83217 80619 75377 (repeating 18 Aptil groups) | USB | (RR2) |
| HM01 | 11530 | 2-5 | 1710 | Tue | 31104 32856 33004 83217 80619 75377 (Repeating 18 April groups) | AM/RDFT | (JPL-NZL) |
| HM01 | 17480 | 2-5 | 2157 | Tue | 31104 32856 33004 83217 80619 75377 (Repeating 18 April groups) | AM/RDFT | (RL) |
| HM01 | 11435 | 3-5 | 1559 | Wed | 31104 32856 33004 83217 80619 75377 (Repeating 18 April groups) | AM/RDFT | (RR2) |
| HM01 | 11635 | 3-5 | 1832 | Wed | 55526 67538 03626 71682 34042 51172 | AM/RDFT | (DSch) |
| HM01 | 11530 | 4-5 | 1702 | Thu | 55526 67538 03626 71682 34042 51172 (repeats 3 May groups) | AM/RDFT | (DSch) |
| HM01 | 9065 | 5-5 | 0837 | Fri | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May) | AM/RDFT | (AB) |
| HM01 | 9240 | 5-5 | 0857 | Fri | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May) | AM/RDFT | (AB) |
| HM01 | 9155 | 5-5 | 0957 | Fri | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May) | AM/RDFT | (AB) |
| HM01 | 11435 | 5-5 | 1556 | Fri | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 6-5 | 1556 | Sat | 55528 54481 03628 71684 34044 51174 | AM/RDFT | (RR2) |
| HM01 | 16180 | 6-5 | 2057 | Sat | 55528 54481 03628 71684 34044 51174 | AM/RDFT | (RL) |
| HM01 | 9330 | 7-5 | 0659 | Sun | 55528 54481 03628 71684 34044 51174 | AM/RDFT | (AB) |
| HM01 | 9065 | 7-5 | 0759 | Sun | 55528 54481 03628 71684 34044 51174 | AM/RDFT | (AB) |
| HM01 | 11435 | 7-5 | 1612 | Sun | i.p. 00001 54481 70651 71685 34045 51175 | AM/RDFT | (RR2) |
| HM01 | 11635 | 8-5 | 2100 | Mon | i.p. 00001 54482 70651 71686 34046 51176 | AM/RDFT | (RR2) |

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|------|-------|------|------|-----|---|---------|---------|
| HM01 | 11435 | 9-5 | 1604 | Tue | i.p. 00002 54483 70652 71687 34047 51177 | AM/RDFT | (RR2) |
| HM01 | 16180 | 9-5 | 2057 | Tue | 00002 54483 70652 71687 34047 51177 | AM/RDFT | (RL) |
| HM01 | 9155 | 10-5 | 1015 | Wed | i.p. 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (W2DSX) |
| HM01 | 11635 | 10-5 | 2114 | Wed | i.p. 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 11-5 | 1557 | Thu | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 16180 | 11-5 | 2057 | Thu | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RL) |
| HM01 | 17480 | 11-5 | 2157 | Thu | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RL) |
| HM01 | 11435 | 12-5 | 1557 | Fri | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 13-5 | 1557 | Sat | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11530 | 13-5 | 1701 | Sat | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (DSch) |
| HM01 | 11435 | 14-5 | 1603 | Sun | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 14-5 | 1631 | Sun | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (DSch) |
| HM01 | 11435 | 15-5 | 1606 | Mon | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 16-5 | 1600 | Tue | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11530 | 16-5 | 1730 | Tue | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (DSch) |
| HM01 | 17480 | 16-5 | 2157 | Tue | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RL) |
| HM01 | 11435 | 17-5 | 1557 | Wed | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11530 | 17-5 | 1736 | Wed | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (K5BDL) |
| HM01 | 11635 | 17-5 | 1802 | Wed | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (DSch) |
| HM01 | 11435 | 18-5 | 1600 | Thu | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 18-5 | 1651 | Thu | 00002 54483 70652 71687 34047 51177 (Repeating groups of 9 May) | AM/RDFT | (DSch) |
| HM01 | 16180 | 18-5 | 2045 | Thu | 57503 70455 86372 32341 46689 84529. This transmission started 12 minutes before from the schedule. | AM/RDFT | (RL) |
| HM01 | 17480 | 18-5 | 2045 | Thu | 57503 70455 86372 32341 46689 84529 | AM/RDFT | (RL) |
| HM01 | 11530 | 19-5 | 1700 | Fri | 57504 70456 86373 32342 31821 64831 | AM/RDFT | (RR2) |
| HM01 | 11435 | 20-5 | 1600 | Sat | 57504 70456 86373 32342 31821 64831 (Repeating groups of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 21-5 | 1557 | Sun | 57504 70456 86373 32342 31821 64831 (Repeating groups of 9 May) | AM/RDFT | (RR2) |
| HM01 | 11635 | 21-5 | 1802 | Sun | i.p. 57504 70456 86373 32342 31821 64831 | AM/RDFT | (DSch) |
| HM01 | 11435 | 22-5 | 1558 | Mon | Radio Havana Cuba into 57504 70456 86373 32342 31821 64831 (Repeating groups of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11530 | 22-5 | 1744 | Mon | i.p. 57504 70456 86373 32342 31821 64831 (Repeating numbers of 22 May) | AM/RDFT | (DSch) |

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|------|-------|------|------|-----|---|-----------------------------|---------|
| HM01 | 11435 | 23-5 | 1559 | Tue | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11530 | 23-5 | 1734 | Tue | i.p. 57504 70456 86373 32342 31821 64831 (Repeating numbers of 22 May) | AM/RDFT | (DSch) |
| HM01 | 16180 | 23-5 | 2057 | Tue | i.p. 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RL) |
| HM01 | 11435 | 24-5 | 1559 | Wed | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 25-5 | 1600 | Thu | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11635 | 25-5 | 1800 | Thu | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (DSch) |
| HM01 | 16180 | 25-5 | 2057 | Thu | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RL) |
| HM01 | 11435 | 26-5 | 1600 | Fri | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 27-5 | 1600 | Sat | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 27-5 | 1610 | Sat | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (DSch) |
| HM01 | 11435 | 28-5 | 1600 | Sun | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 28-5 | 1600 | Sun | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (DSch) |
| HM01 | 10715 | 28-5 | 2157 | Sun | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RL) |
| HM01 | 11635 | 29-5 | 1800 | Mon | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (DSch) |
| HM01 | 11435 | 30-5 | 1600 | Tue | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (RR2) |
| HM01 | 11435 | 30-5 | 1609 | Tue | 57504 70456 86373 32342 31821 64831 (Repeating numbers of 19 May) | AM/RDFT | (DSch) |
| HM02 | 4761 | 1-5 | 0420 | Mon | 913 42 = 80278 32241 23181 ... 71384 54377 43673 = 913 42 913 42 = repeats message = 913 42 000 | FSK-19.8bd/129Hz/FSK- CW | (AB) |
| HM02 | 4761 | 2-5 | 0420 | Tue | 823 46 = 28893 62769 13425 ... 36762 50054 04528 = 823 46 823 = repeats message = 823 46 000 | FSK-19.8bd/129Hz/FSK- CW | (AB) |
| HM02 | 4761 | 4-5 | 0420 | Thu | 588 46 = 71435 85313 88383 ... 74124 15408 34160 = 588 46 588 46 = repeats message = 588 46 000 | FSK-19.8bd/129Hz/FSK- CW | (AB) |
| HM02 | 16180 | 4-5 | 2101 | Thu | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May). Send- ing voice on top of the RDFT data | AM/RDFT | (RR2) |
| HM02 | 17480 | 4-5 | 2200 | Thu | 55526 67538 03626 71682 34042 51172 (repeats groups of 3 May) | AM/RDFT | (RR2) |
| HM02 | 4761 | 6-5 | 0420 | Sat | Callup repeated for 4.40 mins. 237 52 = 68169 12165 35871 ... 25955 49640 68464 = 237 52 000. No repeat | FSK-19.8bd/129Hz/FSK- CW | (AB/BR) |
| HM02 | 4761 | 8-5 | 0420 | Mon | 526 47 = 21211 80277 77141 ... 45460 77256 77256 = 526 47 526 47 = repeats message = 526 47 000 | FSK-19.8bd/129Hz/FSK- CW | (AB/BR) |
| HM02 | 4761 | 9-5 | 0420 | Tue | 231 48 = 12649 08179 48307 ... 08862 78314 50613 = 231 48 231 48 = repeats message = 231 48 000 | FSK-19.8bd/129Hz/FSK- CW | (AB/BR) |
| HM02 | 4761 | 10-5 | 0420 | Wed | 912 46 = 38688 85364 93996 ... 38209 80241 13851 = 912 46 912 46 = repeats message = 912 46 000 | FSK-19.8bd/129Hz/FSK- CW | (AB) |
| HM02 | 4761 | 12-5 | 0420 | Fri | 925 43 = 82546 83644 05650 ... 47037 87727 56758 = 925 43 925 43 = repeats | FSK-19.8bd/129Hz/FSK- CW | (AB) |

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|------|------|------|------|-----|--|-------------------------|-----------------|
| | | | | | message = 925 43 000 | | |
| HM02 | 4761 | 13-5 | 0420 | Sat | 247 45 = 09720 34403 60708 ... 74234 71210 39886 = 247 45 247 45 = repeats message = 247 45 000 | FSK-19.8bd/129Hz/FSK-CW | (AB) |
| HM02 | 4761 | 14-5 | 0420 | Sun | 903 46 = 01401 05219 73377 ... 13254 53574 48371 = 903 46 903 46 = repeat message = 903 46 000 | FSK-19.8bd/129Hz/FSK-CW | (AB) |
| HM02 | 4761 | 16-5 | 0420 | Tue | 807 43 = 01312 30825 54881 ... 89311 33387 72408 = 807 43 807 43 = repeats message = 807 43 000 | FSK-19.8bd/129Hz/FSK-CW | (AB/BR) |
| HM02 | 4761 | 17-5 | 0420 | Wed | 980 44 = 64264 27048 80356 ... 29541 21524 52225 = 980 44 980 44 = repeats message = 980 44 000 | FSK-19.8bd/129Hz/FSK-CW | (AB) |
| HM02 | 4761 | 18-5 | 0420 | Thu | 619 43 = 60155 56339 58383 ... 31163 83084 40855 = 619 43 619 43 = repeats message = 619 43 000 | FSK-19.8bd/129Hz/FSK-CW | (AB) |
| HM02 | 4761 | 20-5 | 0420 | Sat | 803 44 = 75032 14672 75133 ... 10762 42355 56560 = 803 44 03 44 = repeats message = 803 44 000 | FSK-19.8bd/129Hz/FSK-CW | (AB) |
| HM02 | 4761 | 21-5 | 0420 | Sun | 218 43 = 80695 76781 74157 ... 90023 16668 32620 = 218 43 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 22-5 | 0420 | Mon | 976 43 = 44167 10803 68773 ... 17569 73612 48444 = 976 43 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 23-5 | 0420 | Tue | 589 47 = 09764 88404 38787 ... 89178 55992 65243 = 589 47 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 24-5 | 0420 | Wed | 434 42 = 15725 88666 52104 ... 87886 03445 63121 = 434 42 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 25-5 | 0422 | Thu | 267 47 = 15998 86700 12456 ... 52965 52042 73900 = 267 47 000. Late start | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 26-5 | 0420 | Fri | 857 46 = 35371 79181 70467 ... 58171 33197 40411 = 857 46 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 27-5 | 0420 | Sat | Repeat of 09 May. Same id: 231 48 = 12649 08179 48307 ... 08862 78314 50613 = 231 48 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 28-5 | 0420 | Sun | 906 43 = 27687 30547 88377 ... 03203 55638 10731 = 906 43 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 29-5 | 0420 | Mon | 263 41 = 37833 68734 87336 ... 09913 68619 79284 = 263 41 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| HM02 | 4761 | 30-5 | 0420 | Tue | 584 46 = 78828 25705 87693 ... 16883 56779 16820 = 584 46 000 | FSK-19.8bd/129Hz/FSK-CW | (BR) |
| M01 | 5280 | 2-5 | 1800 | Tue | 025 537 30 = = 01528 50952 25406 87104 52242 ... 37666 25242 07530 90474 56515 = = 537 30 000 | CW | (MPJ/HFD) |
| M01 | 4905 | 2-5 | 2000 | Tue | 025 753 30=#057# (?) | CW | (HFD) |
| M01 | 5280 | 4-5 | 1800 | Thu | 025 651 651 30 30 32611 73694 42829 ... 8758 (8750) 46885 7990 651 651 30 30 000 | MCW | (AB/MPJ) |
| M01 | 4905 | 4-5 | 2000 | Thu | 025 156 156 30 30 = = = 76161 11409 89945 ... 79988 23110 36706 156 156 30 30 000 | MCW | (AB/MPJ) |
| M01 | 6435 | 6-5 | 1500 | Sat | 025 025 ... Stops and recommences 015 015 453 30 = 98201 82467 10469 ... 15319 88230 62394 453 30 000 | MCW | (ES/MPJ/HFD) |
| M01 | 6780 | 7-5 | 0700 | Sun | 025 365 365 30 30 = = 08756 48734 32289 ... 58642 72576 11926 = = 365 365 30 30 000 | MCW | (AB/F5JBR/HFD) |
| M01 | 5280 | 9-5 | 1800 | Tue | 025 219 EEEs 218 30 = = 24257 16912 65434 55453 30093 ... 01165 95522 13995 17202 78029 = = 218 30 000 | CW | (MPJ) |
| M01 | 4905 | 9-5 | 2000 | Tue | 025 119 30 = = 14666 13285 06677 | CW | (MPJ) |

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|-------------|------|------|------|-----|--|-----|--------------|
| | | | | | 76430 04677 ... 57109 80426 28500 96402 17217 (1721) = = 119 30 0000 | | |
| M01 | 5280 | 11-5 | 1800 | Thu | 025 221 30 = = 72417 91524 29290 34049 86383 ...(becomes uncopiable) ... = = 221 30 000 | CW | (MPJ) |
| M01 | 6435 | 13-5 | 1500 | Sat | 025 3 025 483 30 = = 75574 28091 33112 70697 61184 ... 440055 (as sent) 66328 12050 69406 57165 = = 483 30 000 | CW | (MPJ/ES) |
| M01 | 6780 | 14-5 | 0700 | Sun | 025 367 367 30 30 = = 94117 78963 45246 ... 90862 02206 52281 = = 367 367 30 30 000 Running the groups to- gether and various errors | MCW | (AB) |
| M01 | 5280 | 16-5 | 1800 | Tue | Message as sent: 025 091 191 30 30 = = 33855 33855 40544 40544 54900 54900 ... 30437 30437 81802 81802 86318 86318 = 191 11 30 30 000 | MCW | (AB/MPJ) |
| M01 | 4905 | 18-5 | 1800 | Thu | 025 987 30 = 35512 06217 06497 ... 64621 47766 00482 987 30 000 | CW | (ES) |
| M01 | 5280 | 18-5 | 1800 | Thu | 025 765 30 = = 76530 = = 12750 18840 15911 61201 10952 ... 84679 53603 16333 43652 36191 = = 765 30 3 76530 000 | CW | (MPJ) |
| M01 | 6435 | 20-5 | 1500 | Sat | 025 167 30 = = 80834 00094 07487 09425 21000 ... 62523 83847 91559 06875 66603 = = 167 30 (GR once) 000 | CW | (MPJ) |
| M01 | 6435 | 20-5 | 1500 | Sat | 025 167 30 = 80834 00093 07487 ... 91559 06875 66603 167 30 000 | CW | (ES) |
| M01 | 5280 | 23-5 | 1800 | Tue | 025 707 30 = = 05029 10763 45948 04827 87543 ... 81021 27857 59365 43693 09980 = = 707 30 0 0 | CW | (MPJ) |
| M01 | 5280 | 25-5 | 1800 | Thu | 025 285 30 = = 85706 34341/2 48503 56673 62397 ... 19242 08621 53719 86515 79729 = = 285 30 000 | CW | (MPJ) |
| M01 | 6435 | 27-5 | 1500 | Sat | 025 565 30 = = 53653 ... 53346 34598 25685 ... (Faded) ... 34147 98565 = = 565 30 000 | CW | (MPJ) |
| M01b | 5125 | 1-5 | 1810 | Mon | 364 329 32 = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 //5735 kHz | MCW | (ES/HFD) |
| M01b | 5735 | 1-5 | 1810 | Mon | 364 329 32 = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 //5125 kHz | MCW | (ES/HFD) |
| M01b | 5150 | 1-5 | 1915 | Mon | 858 329 32 = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 //5475 kHz | MCW | (ES/HFD) |
| M01b | 5475 | 1-5 | 1915 | Mon | 858 329 32 = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 //5150 kHz | MCW | (ES/HFD) |
| M01b | 5095 | 4-5 | 1832 | Thu | 815 329 329 32 32 = = 68720 69165 38155 ... 04622 14884 27573 82303 = 329 32 000 | MCW | (AB/MP/HFDJ) |
| M01b | 5760 | 4-5 | 1832 | Thu | 815 329 329 32 32 = = 68720 69165 38155 ... 04622 14884 27573 82303 = 329 32 000 | MCW | (AB/MPJ/HFD) |
| M01b | 5065 | 4-5 | 1942 | Thu | 936 329 32 = = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 //5805 kHz | MCW | (AB/MPJ/HFD) |
| M01b | 5805 | 4-5 | 1942 | Thu | 936 329 32 = = 68720 69165 38155 ... 14884 27573 82303 = 329 32 000 | MCW | (AB/MPJ/HFD) |

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|-------------|------|------|------|-----|--|-----|-----------|
| | | | | | //5065 kHz | | |
| M01b | 5075 | 5-5 | 1902 | Fri | 336 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5465 kHz | MCW | (MPJ/HFD) |
| M01b | 5465 | 5-5 | 1902 | Fri | 336 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5075 kHz | MCW | (MPJ/HFD) |
| M01b | 4895 | 5-5 | 2010 | Fri | 4670 329 32 68720 //5340 | CW | (HFD) |
| M01b | 5340 | 5-5 | 2010 | Fri | 467 329 32=68720 //4895 | CW | (HFD) |
| M01b | 5125 | 8-5 | 1810 | Mon | 364 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5735 kHz | MCW | (MPJ) |
| M01b | 5735 | 8-5 | 1810 | Mon | 364 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5125 kHz | MCW | (MPJ) |
| M01b | 5150 | 8-5 | 1915 | Mon | ... 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5475 kHz | MCW | (MPJ) |
| M01b | 5475 | 8-5 | 1915 | Mon | ... 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5150 kHz | MCW | (MPJ) |
| M01b | 5095 | 11-5 | 1832 | Thu | 815 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5760 kHz | MCW | (MPJ) |
| M01b | 5760 | 11-5 | 1832 | Thu | 815 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5095 kHz | MCW | (MPJ) |
| M01b | 5065 | 11-5 | 1942 | Thu | 936 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5805 kHz | MCW | (MPJ) |
| M01b | 5805 | 11-5 | 1942 | Thu | 936 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5065 kHz | MCW | (MPJ) |
| M01b | 5075 | 12-5 | 1902 | Fri | i.p. 38155 14045 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5465 kHz | MCW | (MPJ) |
| M01b | 5465 | 12-5 | 1902 | Fri | i.p. 38155 14045 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5075 kHz | MCW | (MPJ) |
| M01b | 5125 | 15-5 | 1809 | Mon | 365 (Stops-both freqs-didn't restart) //5735 kHz | MCW | (MPJ) |
| M01b | 5735 | 15-5 | 1809 | Mon | 365 (Stops-both freqs-didn't restart) //5125 kHz | MCW | (MPJ) |
| M01b | 5150 | 15-5 | 1915 | Mon | 858 858 858 000 //5475 kHz | MCW | (MPJ) |
| M01b | 5475 | 15-5 | 1915 | Mon | 858 858 858 000 //5150 kHz | MCW | (MPJ) |
| M01b | 5095 | 18-5 | 1831 | Thu | 815 329 32 = 68720 69165 38155 ... 14884 27573 82303 329 32 000 //5760 kHz | MCW | (ES) |
| M01b | 5760 | 18-5 | 1831 | Thu | 815 329 32 = 68720 69165 38155 ... 14884 27573 82303 329 32 000 //5095 kHz | MCW | (ES) |
| M01b | 5095 | 18-5 | 1832 | Thu | 815 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5760 kHz | MCW | (MPJ) |
| M01b | 5760 | 18-5 | 1832 | Thu | 815 329 32 = = 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 = = 329 32 000 //5095 kHz | MCW | (MPJ) |
| M01b | 5065 | 18-5 | 1940 | Thu | 936 329 32 = 68720 69165 38155 ... 14884 27573 82303 328 32 000 //5805 kHz | MCW | (ES) |
| M01b | 5805 | 18-5 | 1940 | Thu | 936 329 32 = 68720 69165 38155 ... 14884 27573 82303 328 32 000 //5065 | MCW | (ES) |

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|-------------|-------|------|------|-----|---|-----|-------------|
| | | | | | kHz | | |
| M01b | 5065 | 18-5 | 1942 | Thu | 936 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5805 kHz | MCW | (MPJ) |
| M01b | 5805 | 18-5 | 1942 | Thu | 936 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5065 kHz | MCW | (MPJ) |
| M01b | 5075 | 19-5 | 1906 | Fri | i.p. 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5465 kHz | MCW | (MPJ) |
| M01b | 5465 | 19-5 | 1906 | Fri | i.p. 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5075 kHz | MCW | (MPJ) |
| M01b | 5125 | 22-5 | 1810 | Mon | 364 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5735 kHz | MCW | (MPJ) |
| M01b | 5735 | 22-5 | 1810 | Mon | 364 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5125 kHz | MCW | (MPJ) |
| M01b | 5150 | 22-5 | 1915 | Mon | 858 329 32 == 68720 69165 (Same old message ...) == 329 32 000 //5475 kHz | MCW | (MPJ) |
| M01b | 5475 | 22-5 | 1915 | Mon | 858 329 32 == 68720 69165 (Same old message ...) == 329 32 000 //5150 kHz | MCW | (MPJ) |
| M01b | 5095 | 25-5 | 1832 | Thu | 815 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 | MCW | (MPJ) |
| M01b | 5065 | 25-5 | 1942 | Thu | 936 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5805 kHz | MCW | (MPJ) |
| M01b | 5805 | 25-5 | 1942 | Thu | 936 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5065 kHz | MCW | (MPJ) |
| M01b | 5075 | 26-5 | 1902 | Fri | 336 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5465 kHz | MCW | (MPJ) |
| M01b | 5465 | 26-5 | 1902 | Fri | 336 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5075 kHz | MCW | (MPJ) |
| M01b | 5125 | 29-5 | 1810 | Mon | 364 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5735 kHz | MCW | (MPJ) |
| M01b | 5735 | 29-5 | 1810 | Mon | 364 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5125 kHz | MCW | (MPJ) |
| M01b | 5150 | 29-5 | 1915 | Mon | 585 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5475 kHz | MCW | (MPJ) |
| M01b | 5474 | 29-5 | 1915 | Mon | 585 329 32 == 68720 69165 38155 14045 47379 ... 03881 04622 14884 27573 82303 == 329 32 000 //5150 kHz | MCW | (MPJ) |
| M05 | 7553 | 1-5 | 0951 | Mon | i.p. N3D 357 UT7 T3D 4A7 445 ... ZNN SK //9153 kHz | CW | (JPL-NZL) |
| M05 | 9153 | 1-5 | 0951 | Mon | i.p. N3D 357 UT7 T3D 4A7 445 ... ZNN SK //7553 kHz | CW | (JPL-NZL) |
| M12 | 17451 | 1-5 | 1400 | Mon | 494 494 494 000 | CW | (AB) |
| M12 | 15951 | 1-5 | 1420 | Mon | 494 494 494 000 | CW | (AB) |
| M12 | 10250 | 3-5 | 1105 | Wed | 687 1 2615 28 07138 53065 05539 ... 16407 15514 82529 000 000 | CW | (ES) |
| M12 | 17451 | 3-5 | 1400 | Wed | 494 494 494 000 | CW | (AB/MPJ/ES) |
| M12 | 15951 | 3-5 | 1420 | Wed | 494 494 494 000 | CW | (AB/ES) |

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|------------|-------|------|------|-----|--|----|------------------|
| M12 | 9176 | 3-5 | 1700 | Wed | 257 1 5006 101 50093 75503 84415 ... 66242 65261 79042 000 000 | CW | (AB) |
| M12 | 7931 | 3-5 | 1720 | Wed | 257 1 5006 101 50093 75503 84415 ... 66242 65261 79042 000 000 | CW | (AB) |
| M12 | 6904 | 3-5 | 1740 | Wed | 257 1 5006 101 50093 75503 84415 ... 66242 65261 79042 000 000 | CW | (AB) |
| M12 | 14869 | 3-5 | 2110 | Wed | 851 851 851 000 | CW | (HFD) |
| M12 | 13569 | 3-5 | 2130 | Wed | 851 851 851 000 | CW | (HFD) |
| M12 | 13926 | 4-5 | 1310 | Thu | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB/MPJ/ES/HFD) |
| M12 | 12126 | 4-5 | 1330 | Thu | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB/MPJ/ES/HFD) |
| M12 | 10926 | 4-5 | 1350 | Thu | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB/MPJ/ES/HFD) |
| M12 | 9241 | 4-5 | 2100 | Thu | 258 258 258 000 | CW | (AB) |
| M12 | 7541 | 4-5 | 2120 | Thu | 258 258 258 000 | CW | (AB) |
| M12 | 9167 | 6-5 | 0500 | Sat | 125 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/ES) |
| M12 | 10267 | 6-5 | 0520 | Sat | 125 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/ES) |
| M12 | 11567 | 6-5 | 0540 | Sat | 125 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/ES) |
| M12 | 13926 | 6-5 | 1310 | Sat | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB) |
| M12 | 12126 | 6-5 | 1330 | Sat | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB/MPJ) |
| M12 | 10926 | 6-5 | 1350 | Sat | 919 919 919 1 3885 51 71072 36912 69353 ... 52658 37087 37661 000 000 | CW | (AB/ES/MPJ) |
| M12 | 17451 | 8-5 | 1400 | Mon | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB-RUS) |
| M12 | 15951 | 8-5 | 1420 | Mon | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB-RUS) |
| M12 | 14451 | 8-5 | 1440 | Mon | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB/MPJ) |
| M12 | 6904 | 8-5 | 1740 | Mon | 257 1 ???? 108 72948 21677 53975 ... 36381 44921 40152 000 000 | CW | (F5JBR) |
| M12 | 17451 | 10-5 | 1400 | Wed | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB-RUS/MPJ/HFD) |
| M12 | 15951 | 10-5 | 1420 | Wed | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 14451 | 10-5 | 1440 | Wed | 494 1 5620 85 94934 13361 33361 ... 52859 47914 52110 000 000 | CW | (AB/MPJ) |
| M12 | 9176 | 10-5 | 1800 | Wed | 257 1 ... | CW | (HFD) |
| M12 | 7931 | 10-5 | 1820 | Wed | 257 1 ... | CW | (HFD) |
| M12 | 6904 | 10-5 | 1840 | Wed | 257 1 ... | CW | (HFD) |
| M12 | 9241 | 10-5 | 2100 | Wed | 258 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/HFD) |
| M12 | 14869 | 10-5 | 2117 | Wed | i.p. 851 851 851 000 | CW | (MCO) |
| M12 | 7541 | 10-5 | 2120 | Wed | 258 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/HFD) |
| M12 | 6841 | 10-5 | 2140 | Wed | 258 1 6192 85 40574 68707 07577 ... 33157 83612 74487 000 000 | CW | (AB/HFD) |
| M12 | 13926 | 11-5 | 1310 | Thu | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 12126 | 11-5 | 1330 | Thu | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 9167 | 13-5 | 0500 | Sat | 125 125 125 000 | CW | (AB/ES) |
| M12 | 10267 | 13-5 | 0520 | Sat | 125 125 125 000 | CW | (AB/ES) |
| M12 | 13926 | 13-5 | 1310 | Sat | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 12126 | 13-5 | 1330 | Sat | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 17451 | 15-5 | 1400 | Mon | 494 494 494 000 | CW | (MPJ) |
| M12 | 15951 | 15-5 | 1420 | Mon | 494 494 494 000 | CW | (MPJ) |

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|------------|-------|------|------|-----|--|----|-------------|
| M12 | 17451 | 17-5 | 1400 | Wed | 494 494 494 000 | CW | (AB/MPJ) |
| M12 | 15951 | 17-5 | 1420 | Wed | 494 494 494 000 | CW | (AB/MPJ) |
| M12 | 9241 | 17-5 | 2100 | Wed | 258 258 258 000 | CW | (AB/RL/ES) |
| M12 | 14869 | 17-5 | 2110 | Wed | 851 851 851 1 2005 113 005 113 16171 80632 44664 90088 25266 45900 83792 35194 04494 ... | CW | (AB/ES) |
| M12 | 7541 | 17-5 | 2120 | Wed | 258 258 258 000 | CW | (AB/ES) |
| M12 | 13569 | 17-5 | 2130 | Wed | 851 851 851 1 2005 113 005 113 16171 80632 44664 90088 25266 45900 83792 35194 04494 ... | CW | (AB/ES) |
| M12 | 12179 | 17-5 | 2150 | Wed | 851 851 851 1 2005 113 005 113 16171 80632 44664 90088 25266 45900 83792 35194 04494 ... | CW | (AB/ES) |
| M12 | 13926 | 18-5 | 1310 | Thu | 919 919 919 000 | CW | (MPJ/ES) |
| M12 | 12126 | 18-5 | 1330 | Thu | 919 919 919 000 | CW | (MPJ/ES) |
| M12 | 9167 | 20-5 | 0500 | Sat | 125 125 125 000 | CW | (AB/ES) |
| M12 | 10267 | 20-5 | 0520 | Sat | 125 125 125 000 | CW | (AB/ES) |
| M12 | 13926 | 20-5 | 1310 | Sat | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 12126 | 20-5 | 1330 | Sat | 919 919 919 000 | CW | (AB/MPJ/ES) |
| M12 | 14451 | 22-5 | 1400 | Mon | 494 1 8273 137 05709 00435 80640 49816 54095 ... 86145 52296 93839 04602 80289 000 000 | CW | (MPJ) |
| M12 | 17451 | 22-5 | 1400 | Mon | 494 1 8273 137 05709 00435 80640 49816 54095 ... 86145 52296 93839 04602 80289 000 000 | CW | (MPJ) |
| M12 | 15951 | 22-5 | 1424 | Mon | 494 1 8273 137 05709 00435 80640 49816 54095 ... 86145 52296 93839 04602 80289 000 000 | CW | (MPJ) |
| M12 | 13926 | 25-5 | 1310 | Thu | 919 1 7196 37 76407 19651 71216 59266 85051 ... 47391 58757 79630 43880 54405 000 000 | CW | (MPJ) |
| M12 | 13926 | 27-5 | 1310 | Sat | 919 1 7196 37 76407 19651 71216 59266 85051 ... 47391 58757 79630 43880 54405 000 000 | CW | (MPJ) |
| M12 | 12126 | 27-5 | 1330 | Sat | 919 1 7196 37 76407 19651 71216 59266 85051 ... 47391 58757 79630 43880 54405 000 000 | CW | (MPJ) |
| M12 | 10926 | 27-5 | 1350 | Sat | 919 1 7196 37 76407 19651 71216 59266 85051 ... 47391 58757 79630 43880 54405 000 000 | CW | (MPJ) |
| M12 | 15951 | 29-5 | 1420 | Mon | 494 494 494 000 | CW | (MPJ) |
| M14 | 5825 | 1-5 | 0000 | Mon | 376 184 184 59 59 13253 26472 48950 ... 49653 12311 84502 184 184 59 59 00000 | CW | (AB) |
| M14 | 5360 | 2-5 | 1600 | Tue | 273 158 158 80 80 45558 16729 34149 ... 16746 14526 53106 158 158 80 80 00000 | CW | (AB-RUS) |
| M14 | 5361 | 2-5 | 1600 | Tue | 273 158 80=45558 | CW | (HFD) |
| M14 | 9371 | 3-5 | 0500 | Wed | 975 621 621 50 50 = = 34061 26056 03388 ... 08903 17888 48698 = = 621 621 50 50 00000 | CW | (F5JBR) |
| M14 | 7540 | 4-5 | 0900 | Thu | 617 536 30 = 13245 75648 35421 ... 47635 83652 18927 536 30 00000 | CW | (ES) |
| M14 | 7488 | 5-5 | 1700 | Fri | 382 382 382 00000 | CW | (AB/HFD) |
| M14 | 6891 | 5-5 | 1758 | Fri | message i.p. then at 1800z: 382 382 382 00000 | CW | (AB/HFD) |
| M14 | 5442 | 6-5 | 0800 | Sat | 171 241 40 = 34526 36452 à... 39826 18726 241 40 00000 | CW | (ES) |
| M14 | 5560 | 6-5 | 0900 | Sat | 171 241 40 = 34526 36452 à... 39826 18726 241 40 00000 | CW | (ES) |

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|------------|--------|------|------|-----|---|-----|--------------|
| M14 | 5243 | 7-5 | 2300 | Sun | 376 241 241 40 40 34526 36452 ... 87465 39826 18726 = = 241 241 40 40 00000 | CW | (AB) |
| M14 | 5825 | 8-5 | 0000 | Mon | 376 241 241 40 40 34526 36452 ... 87465 39826 18726 = = 241 241 40 40 00000 | CW | (AB) |
| M14 | 6856 | 9-5 | 1820 | Tue | 163 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000 | CW | (AB/MPJ/HFD) |
| M14 | 7540 | 10-5 | 0900 | Wed | 617 785 35 = 13253 26472 48950 ... 32676 38101 78365 785 35 00000 | CW | (ES) |
| M14 | 16347 | 10-5 | 0930 | Wed | 617 617 617 00000 | CW | (AB/ES/HFD) |
| M14 | 5943 | 10-5 | 1720 | Wed | 417 021 021 77 77 04593 78423 10208 ... 70557 13196 84541 021 021 77 77 00000 | CW | (AB-RUS/MPJ) |
| M14 | 7540 | 11-5 | 0900 | Thu | 617 736 30 = 35241 26534 87635 ... 18625 73654 18263 736 30 00000 | CW | (ES) |
| M14 | 18041 | 12-5 | 0500 | Fri | 952 747 747 60 60 = = 59138 20118 99262 ... 62167 44720 94690 = = 747 747 60 60 00000 | CW | (AB-J) |
| M14 | 5430 | 13-5 | 0800 | Sat | 171 825 825 53 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000 | CW | (ES) |
| M14 | 5560 | 13-5 | 0900 | Sat | 171 825 825 53 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000 | CW | (AB-RUS/ES) |
| M14 | 7590 | 14-5 | 0600 | Sun | 382 382 382 00000 | MCW | (AB) |
| M14 | 8162 | 14-5 | 0700 | Sun | 382 382 382 00000 | MW | (AB) |
| M14 | 5243 | 14-5 | 2300 | Sun | 376 825 825 53 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000 | CW | (AB) |
| M14 | 5825 | 15-5 | 0000 | Mon | 376 825 825 53 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000 | CW | (AB) |
| M14 | 5347 | 16-5 | 1600 | Tue | 273 158 158 80 80 45558 16729 34149 ... 16746 14526 53106 158 158 80 80 00000 | MCW | (AB/MPJ) |
| M14 | 5935 | 17-5 | 1600 | Wed | 273 158 158 80 80 45558 16729 34149 ... 16746 14526 53106 158 158 80 80 00000 | MCW | (AB/MPJ) |
| M14 | 8116 | 18-5 | 0630 | Thu | 441 953 20 = 94051 98593 02671 ... 06507 33197 80891 953 20 00000 | CW | (ES) |
| M14 | 5430 | 20-5 | 0800 | Sat | 171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000 | CW | (AB-RUS/ES) |
| M14 | 5560 | 20-5 | 0900 | Sat | 171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000 | CW | (AB-RUS/ES) |
| M14 | 6856 | 23-5 | 1820 | Tue | 163 021 77 04593 78423 10208 86750 01137 ... 97059 94397 70557 13196 84541 0. Nothing further | MCW | (MPJ) |
| M14 | 5938 | 24-5 | 1920 | Wed | 417 217 77 04593 78423 10208 86750 01137 ... 217 77 00000 | MCW | (MPJ) |
| M21 | 4191.5 | 2-5 | 0324 | Tue | =990624??8????? =990625??8????? =990626??8????? =990627??8????? //4362 kHz | CW | (F5JBR) |
| M21 | 4362 | 2-5 | 0324 | Tue | =990624??8????? =990625??8????? =990626??8????? =990627??8????? //4191.5 kHz | CW | (F5JBR) |
| M21 | 4146 | 2-5 | 1620 | Tue | 19096151920 | CW | (F5JBR) |

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|-------------|--------|------|------|-----|---|----------------------|-----------|
| | | | | | 9699861593324969286168 1925 ... | | |
| M21 | 3254.5 | 2-5 | 1713 | Tue | 9953988542813 | CW | (F5JBR) |
| M21 | 4394 | 5-5 | 0500 | Fri | =990802??0????? =990803??0????? =990804??0????? =990805??0????? =990806??0????? | CW | (F5JBR) |
| M21 | 6421.5 | 6-5 | 0523 | Sat | =90823??8????? =90824??8????? =90825??8????? =90826??8????? =90827??8????? | CW | (F5JBR) |
| M21 | 4791 | 7-5 | 0523 | Sun | =990825??0????? =990826??0????? =990827??0????? =990828??0????? =990829??0????? | CW | (F5JBR) |
| M21 | 7249 | 7-5 | 0824 | Sun | =991126??0????? =991127??0????? =991128??0????? =991129??0????? =991130??0????? | CW | (F5JBR) |
| M21 | 6803 | 8-5 | 0730 | Mon | 9930997947930 510951001 19595101029195 951099794791031 951099794791093192 95101033 KKK | CW | (F5JBR) |
| M21 | 4969 | 8-5 | 2044 | Mon | =992344??8????? | CW | (AB) |
| M21 | 8616 | 21-5 | 1115 | Sun | =99?1415?9????? | CW | (JPL-JPL) |
| M22 | 4000 | 1-5 | 1706 | Mon | VVV DE 4XZ | CW | (EW) |
| M22 | 5512 | 19-5 | 1714 | Fri | VVV 4XZ 4XZ = | CW | (AB-RUS) |
| M32 | 17460 | 12-5 | 1136 | Fri | RDL RDL RDL 43353 05760 43353 05760 43353 05760 K | CW | (AB) |
| M32 | 17460 | 12-5 | 1214 | Fri | RDL RDL RDL 94139 58964 94139 58964 94139 58964 K RDL RDL RDL 57384 72631 57384 72631 57384 72631 K | CW | (AB) |
| M32 | 17460 | 12-5 | 1256 | Fri | RDL RDL RDL 57913 34658 57913 34658 57913 34658 K RDL RDL RDL 20629 63617 20629 63617 20629 63617 K | CW | (AB) |
| M32 | 17460 | 12-5 | 1318 | Fri | RDL RDL RDL 96778 38214 96778 38214 96778 38214 K | CW | (AB) |
| M32 | 17460 | 12-5 | 1358 | Fri | RDL RDL RDL 11111 69229 56739 86679 ... 35325 69297 12089 K | CW | (AB) |
| M32a | 11000 | 20-5 | 1059 | Sat | RGR70 DE RIW K | CW | (JPL-NZL) |
| M32c | 8895 | 9-5 | 0800 | Tue | W-markers: Tu-95MS Bear H net | CW | (AB) |
| M41 | 4031 | 7-5 | 1722 | Sun | 5Y3W VVV VVV VVV AR | CW | (F5JBR) |
| M41 | 5771.5 | 9-5 | 0437 | Tue | BGAW BGAW AR 0099050993379136 51739059100513200 9905993371438 9905993371340 | CW | (F5JBR) |
| M42 | 12056 | 12-5 | 0445 | Fri | Russian diplo/intel. | Serdolik 40Bd MFSK-6 | (Danix) |
| M42b | 7708 | 5-5 | 0511 | Fri | MFJQ wkg YDEW. Msg in FSK 50/500, opchat in CW | CW | (F5JBR) |
| M42b | 4611 | 5-5 | 1806 | Fri | SN7D wkg G5OP: 642 181 5 1800 8471 = 58231 58931 12730 ... 83080 06411 31348 - 1816 (=50= separator). Opchat in CW | FSK 50/500 | (F5JBR) |
| M42b | 4030 | 5-5 | 1821 | Fri | RO3G wkg 2DJR. Msg in FSK 50/500, opchat in CW: QRU NIL SK | CW | (F5JBR) |
| M42b | 7979 | 6-5 | 0828 | Sat | i.p. 45647 87564 35462 17263 ... 74890))635 26130 =100=. Opchat in CW: QRU NIL SK | FSK 50/250 | (F5JBR) |
| M42b | 9091 | 6-5 | 1537 | Sat | KVIC wkg PMFD | CW | (F5JBR) |
| M42b | 8081 | 7-5 | 0903 | Sun | LKDW message to PRAT 624 100 07 0900 1673 = 23412 24352 34563 ... 74890 74635 26130 =100= 0910 = | FSK 50/500 | (F5JBR) |
| M42b | 7978 | 9-5 | 0509 | Tue | MFJQ wkg YDEW. Msg in FSK 50/500, opchat in CW | CW | (F5JBR) |
| M89 | 10253 | 1-5 | 0946 | Mon | V Z4RQ (x3) DE 3WRX (x2 | CW | (JPL) |
| M89 | 10180 | 1-5 | 0947 | Mon | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M89 | 6793 | 1-5 | 0949 | Mon | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |

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|-----|-------|-----|------|-----|--|----|-------|
| M89 | 8060 | 1-5 | 0949 | Mon | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 6840 | 1-5 | 1020 | Mon | V DKG6 (x3) DE 3A7D (x2) //10640 | CW | (JPL) |
| M89 | 10640 | 1-5 | 1020 | Mon | V DKG6 (x3) DE 3A7D (x2) //6840 | CW | (JPL) |
| M89 | 8350 | 1-5 | 1030 | Mon | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 6840 | 1-5 | 1120 | Mon | V DKG6 (x3) DE 3A7D (x2) //10640 | CW | (JPL) |
| M89 | 10640 | 1-5 | 1120 | Mon | V DKG6 (x3) DE 3A7D (x2) //6840 | CW | (JPL) |
| M89 | 8350 | 1-5 | 1130 | Mon | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 4847 | 1-5 | 1238 | Mon | V Z4RQ (x3) DE 3WRX (x2) | CW | (JPL) |
| M89 | 3777 | 1-5 | 1239 | Mon | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 1-5 | 1239 | Mon | i.p. 345T UAAD 46ND 7NT3 56DT ... AR. V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 5801 | 1-5 | 1243 | Mon | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 1-5 | 1243 | Mon | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 4054 | 1-5 | 1430 | Mon | R QSA 3 QSA ? K. R AS. VV OIPX DE B0VV K (see N&O 236) | CW | (JPL) |
| M89 | 5270 | 1-5 | 1505 | Mon | VV G8XP DE GCY7 | CW | (JPL) |
| M89 | 6793 | 1-5 | 2346 | Mon | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 1-5 | 2346 | Mon | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 10253 | 2-5 | 0028 | Tue | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 6793 | 2-5 | 0032 | Tue | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 2-5 | 0032 | Tue | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 4067 | 2-5 | 1447 | Tue | V 6TGU (x3) DE GR4W (x2) //4847 | CW | (JPL) |
| M89 | 4847 | 2-5 | 1447 | Tue | V 6TGU (x3) DE GR4W (x2) //4067 | CW | (JPL) |
| M89 | 3777 | 2-5 | 1449 | Tue | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 2-5 | 1449 | Tue | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 10180 | 2-5 | 1451 | Tue | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M89 | 6840 | 3-5 | 1020 | Wed | V DKG6 (x3) DE 3A7D (x2) //10640 | CW | (JPL) |
| M89 | 10640 | 3-5 | 1020 | Wed | V DKG6 (x3) DE 3A7D (x2) //6840 | CW | (JPL) |
| M89 | 10253 | 3-5 | 1022 | Wed | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 10180 | 3-5 | 1024 | Wed | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M89 | 6793 | 3-5 | 1025 | Wed | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 3-5 | 1025 | Wed | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 8350 | 3-5 | 1030 | Wed | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 6622 | 3-5 | 1043 | Wed | i.p. WK NR 104 K. OK HR WK NR 228 K. VVV E5WJ DE P2RU K K (see N&O 236) | CW | (JPL) |
| M89 | 3642 | 3-5 | 1625 | Wed | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M89 | 7602 | 3-5 | 1625 | Wed | V DKG6 (x3) DE 3A7D (x2) //36422 | CW | (JPL) |
| M89 | 3777 | 3-5 | 1626 | Wed | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 3-5 | 1626 | Wed | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 4720 | 3-5 | 1630 | Wed | VVV WNF DE FXM QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 3-5 | 1630 | Wed | VVV WNF DE FXM QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 4067 | 3-5 | 1640 | Wed | V 6TGU (x3) DE GR4W (x2) //4847 | CW | (JPL) |
| M89 | 4847 | 3-5 | 1640 | Wed | V 6TGU (x3) DE GR4W (x2) //4067 | CW | (JPL) |
| M89 | 4131 | 3-5 | 1903 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 4860 | 3-5 | 1920 | Wed | V DKG6 (x3) DE 3A7D (x2) //6840 | CW | (JPL) |
| M89 | 6840 | 3-5 | 1920 | Wed | V DKG6 (x3) DE 3A7D (x2) //4860 | CW | (JPL) |
| M89 | 5150 | 3-5 | 1930 | Wed | VVV WNF DE FXM QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 4620 | 3-5 | 1932 | Wed | W1DV i.p. AR AR VV X7WN DE W1DV K. R CY HW K. RPT 2P 04W = DN66 AR K. V N7XG DE W1DV K | CW | (JPL) |
| M89 | 10253 | 5-5 | 0619 | Fri | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 6840 | 5-5 | 1120 | Fri | V DKG6 (x3) DE 3A7D (x2) //10640 | CW | (JPL) |
| M89 | 10640 | 5-5 | 1120 | Fri | V DKG6 (x3) DE 3A7D (x2) //6840 | CW | (JPL) |
| M89 | 5801 | 5-5 | 1125 | Fri | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 5-5 | 1125 | Fri | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 4067 | 5-5 | 1127 | Fri | V 6TGU (x3) DE GR4W (x2) //4847 | CW | (JPL) |
| M89 | 4847 | 5-5 | 1127 | Fri | V 6TGU (x3) DE GR4W (x2) //4067 | CW | (JPL) |
| M89 | 3777 | 5-5 | 1128 | Fri | V M8JF (x3) DE RIS9 (x2) //4532//6793//8060 | CW | (JPL) |
| M89 | 4532 | 5-5 | 1128 | Fri | V M8JF (x3) DE RIS9 (x2) | CW | (JPL) |

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|------------|-------|------|------|-----|--|----|---------|
| | | | | | //3777//6793//8060 | | |
| M89 | 6793 | 5-5 | 1128 | Fri | V M8JF (x3) DE RIS9 (x2) | CW | (JPL) |
| | | | | | //3777//4532//8060 | | |
| M89 | 8060 | 5-5 | 1128 | Fri | V M8JF (x3) DE RIS9 (x2) | CW | (JPL) |
| | | | | | //3777//4532//6793 | | |
| M89 | 8350 | 5-5 | 1130 | Fri | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 3642 | 6-5 | 1434 | Sat | DKG6 (x3) de 3A7D (x2) V //10180 kHz | CW | (F5JBR) |
| M89 | 10180 | 6-5 | 1434 | Sat | DKG6 (x3) de 3A7D (x2) V //3642 kHz | CW | (F5JBR) |
| M89 | 3642 | 6-5 | 1525 | Sat | DKG6 (x3) de 3A7D (x2) V //7602 kHz | CW | (F5JBR) |
| M89 | 7602 | 6-5 | 1525 | Sat | DKG6 (x3) de 3A7D (x2) V //3642 kHz | CW | (F5JBR) |
| M89 | 4532 | 7-5 | 1706 | Sun | M8JF (x3) de RIS9 (x2) V | CW | (F5JBR) |
| M89 | 4131 | 7-5 | 1716 | Sun | JKDJ (x3) de SLBC (x2) V | CW | (F5JBR) |
| M89 | 7602 | 7-5 | 1730 | Sun | DKG6 (x3) de 3A7D (x2) V | CW | (F5JBR) |
| M89 | 10253 | 8-5 | 0850 | Mon | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 6793 | 8-5 | 0852 | Mon | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 8-5 | 0852 | Mon | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 10234 | 8-5 | 0853 | Mon | i.p. 47U6 UDUU AN73 A5TU ... R 51W GA = AT64 6DUA TD6D ... AR K. R 03P 01W GA = AN7T A765 776D ... | CW | (JPL) |
| M89 | 8290 | 8-5 | 0920 | Mon | V DKG6 (x3) DE 3A7D (x2) //8360 and 10640 | CW | (JPL) |
| M89 | 8360 | 8-5 | 0920 | Mon | V DKG6 (x3) DE 3A7D (x2) //8290 and 10640 | CW | (JPL) |
| M89 | 10640 | 8-5 | 0920 | Mon | V DKG6 (x3) DE 3A7D (x2) //8290 and 8360 | CW | (JPL) |
| M89 | 8350 | 8-5 | 0930 | Mon | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 3777 | 8-5 | 1212 | Mon | V M8JF (x3) DE RIS9 (x2) //4532 and 6793 | CW | (JPL) |
| M89 | 4532 | 8-5 | 1212 | Mon | V M8JF (x3) DE RIS9 (x2) //3777 and 6793 | CW | (JPL) |
| M89 | 6793 | 8-5 | 1212 | Mon | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 | CW | (JPL) |
| M89 | 5801 | 8-5 | 1214 | Mon | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 8-5 | 1214 | Mon | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 5177 | 8-5 | 1410 | Mon | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 7602 | 8-5 | 1521 | Mon | DKG6 (x3) de 3A7D (x2) V | CW | (F5JBR) |
| M89 | 3642 | 8-5 | 1731 | Mon | DKG6 (x3) de 3A7D (x2) V | CW | (F5JBR) |
| M89 | 3777 | 8-5 | 1733 | Mon | M8JF (x3) de RIS9 (x2) V //4532 | CW | (F5JBR) |
| M89 | 10253 | 18-5 | 0717 | Thu | i.p. VVV MSG NR 07. CK 479 14 0518 .500 = 64UT DN75... AR V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 5801 | 18-5 | 1327 | Thu | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 18-5 | 1327 | Thu | 3A7D i.p. VV HR SVC GA NR 072213/MKS 5182 TO 553 EEEEE RMKS 5183 RMKS 5182 TO 5532 = | CW | (JPL) |
| M89 | 4847 | 18-5 | 1338 | Thu | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 4067 | 18-5 | 1339 | Thu | V EDC3 (x3) DE VF4R (x2) | CW | (JPL) |
| M89 | 3777 | 18-5 | 1344 | Thu | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 18-5 | 1344 | Thu | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 10253 | 19-5 | 0619 | Fri | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 6840 | 19-5 | 0620 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//10640 | CW | (JPL) |
| M89 | 10640 | 19-5 | 0620 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//6840 | CW | (JPL) |
| M89 | 5801 | 19-5 | 1219 | Fri | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 19-5 | 1219 | Fri | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 6840 | 19-5 | 1220 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//10640 | CW | (JPL) |
| M89 | 3777 | 19-5 | 1225 | Fri | V M8JF (x3) DE RIS9 (x2) //4532 and 8060 | CW | (JPL) |

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|------------|-------|------|------|-----|---|----|-------|
| M89 | 4532 | 19-5 | 1225 | Fri | V M8JF (x3) DE RIS9 (x2) //3777 and 8060 | CW | (JPL) |
| M89 | 8060 | 19-5 | 1225 | Fri | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 | CW | (JPL) |
| M89 | 4067 | 19-5 | 1227 | Fri | V EDC3 (x3) DE VF4R (x2 | CW | (JPL) |
| M89 | 4061 | 19-5 | 1230 | Fri | i.p. 6U53 D76T TTD4 N6TN | CW | (JPL) |
| M89 | 4847 | 19-5 | 1233 | Fri | V 6TGU (x3) DE GR4W (x2 | CW | (JPL) |
| M89 | 5801 | 19-5 | 1650 | Fri | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 19-5 | 1650 | Fri | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 4067 | 19-5 | 1652 | Fri | V EDC3 (x3) DE VF4R (x2 | CW | (JPL) |
| M89 | 4847 | 19-5 | 1653 | Fri | V 6TGU (x3) DE GR4W (x2 | CW | (JPL) |
| M89 | 3777 | 19-5 | 1655 | Fri | V M8JF (x3) DE RIS9 (x2) //4532 and 8060 | CW | (JPL) |
| M89 | 4532 | 19-5 | 1655 | Fri | V M8JF (x3) DE RIS9 (x2) //3777 and 8060 | CW | (JPL) |
| M89 | 8060 | 19-5 | 1655 | Fri | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 | CW | (JPL) |
| M89 | 8060 | 20-5 | 0519 | Sat | V M8JF (x3) DE RIS9 (x2) | CW | (JPL) |
| M89 | 10253 | 20-5 | 1052 | Sat | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 10180 | 20-5 | 1054 | Sat | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M89 | 3777 | 20-5 | 1056 | Sat | V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060 | CW | (JPL) |
| M89 | 4532 | 20-5 | 1056 | Sat | V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060 | CW | (JPL) |
| M89 | 6793 | 20-5 | 1056 | Sat | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 8060 | CW | (JPL) |
| M89 | 8060 | 20-5 | 1056 | Sat | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793 | CW | (JPL) |
| M89 | 6840 | 20-5 | 1120 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//10640 | CW | (JPL) |
| M89 | 10640 | 20-5 | 1120 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//6840 | CW | (JPL) |
| M89 | 8350 | 20-5 | 1130 | Sat | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 3642 | 20-5 | 1719 | Sat | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M89 | 7602 | 20-5 | 1719 | Sat | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M89 | 4860 | 20-5 | 1720 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//6840 | CW | (JPL) |
| M89 | 6840 | 20-5 | 1720 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K (R5)//4860 | CW | (JPL) |
| M89 | 4847 | 20-5 | 1725 | Sat | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 4067 | 20-5 | 1726 | Sat | V EDC3 (x3) DE VF4R (x2) | CW | (JPL) |
| M89 | 6793 | 21-5 | 0927 | Sun | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 21-5 | 0927 | Sun | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 8350 | 21-5 | 0930 | Sun | VVV WNF DE FXM QSA ? QSV K | CW | (JPL) |
| M89 | 10253 | 21-5 | 0935 | Sun | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 10180 | 21-5 | 0936 | Sun | V DKG6 (x3) DE 3A7D (x2) // | CW | (JPL) |
| M89 | 6169 | 21-5 | 0948 | Sun | V EDC3 (x3) DE VF4R (x2) | CW | (JPL) |
| M89 | 5801 | 21-5 | 1157 | Sun | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 21-5 | 1157 | Sun | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 4847 | 21-5 | 1158 | Sun | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 3777 | 21-5 | 1159 | Sun | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 21-5 | 1159 | Sun | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 10253 | 22-5 | 0814 | Mon | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 10640 | 22-5 | 0820 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) | CW | (JPL) |
| M89 | 6793 | 22-5 | 0823 | Mon | V M8JF (x3) DE RIS9 (x2) //8060 | CW | (JPL) |
| M89 | 8060 | 22-5 | 0823 | Mon | V M8JF (x3) DE RIS9 (x2) //6793 | CW | (JPL) |
| M89 | 8350 | 22-5 | 0830 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K | CW | (JPL) |
| M89 | 5801 | 22-5 | 1226 | Mon | i.p. 5182 TO 5505/550. COM./2100/ | CW | (JPL) |

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| ...07/79/5180/5505 AR QSL ? K HR WK NR 10 V DKG6 DE 3A7D //10180 | | | | | | |
| M89 | 10180 | 22-5 | 1226 | Mon | i.p. 5182 TO 5505/550. COM./2100/ ...07/79/5180/5505 AR QSL ? K HR WK NR 10 V DKG6 DE 3A7D //5801 | CW (JPL) |
| M89 | 8350 | 22-5 | 1230 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K | CW (JPL) |
| M89 | 3777 | 22-5 | 1234 | Mon | V M8JF (x3) DE RIS9 (x2) //4532 | CW (JPL) |
| M89 | 4532 | 22-5 | 1234 | Mon | V M8JF (x3) DE RIS9 (x2) //3777 | CW (JPL) |
| M89 | 5115 | 22-5 | 1242 | Mon | (i.p. DE X6GI K. V KRRP5 W (see N&O 236) | CW (JPL) |
| M89 | 4847 | 22-5 | 1311 | Mon | V 6TGU (x3) DE GR4W (x2) | CW (JPL) |
| M89 | 4067 | 22-5 | 1312 | Mon | V EDC3 (x3) DE VF4R (x2) | CW (JPL) |
| M89 | 3642 | 22-5 | 1848 | Mon | V DKG6 (x3) DE 3A7D (x2) //760 | CW (JPL) |
| M89 | 7602 | 22-5 | 1848 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642 | CW (JPL) |
| M89 | 8060 | 26-5 | 1031 | Fri | v M8JF M8JF M8JF de RIS9 RIS9 | CW (LG) |
| M89 | 4847 | 26-5 | 1647 | Fri | V 6TGU (x3) DE GR4W (x2) | CW (JPL) |
| M89 | 7602 | 26-5 | 1648 | Fri | v DK6G DK6G DK6G de 3A7D 3A7D | CW (LG) |
| M89 | 4532 | 26-5 | 1649 | Fri | V M8JF (x3) DE RIS9 (x2) | CW (JPL) |
| M89 | 3777 | 26-5 | 1653 | Fri | v M8JF M8JF M8JF de RIS9 RIS9 | CW (LG) |
| M89 | 4067 | 26-5 | 1653 | Fri | V 6TGU (x3) DE GR4W (x2) //4847 | CW (JPL) |
| M89 | 4847 | 26-5 | 1653 | Fri | V 6TGU (x3) DE GR4W (x2) //4067 | CW (JPL) |
| M89 | 4066 | 26-5 | 1655 | Fri | v 6TFU 6TFU 6TFU de GR4W GR4W | CW (LG) |
| M89 | 3777 | 26-5 | 1656 | Fri | V M8JF (x3) DE RIS9 (x2) //4532 | CW (JPL) |
| M89 | 4532 | 26-5 | 1656 | Fri | V M8JF (x3) DE RIS9 (x2) //3777 | CW (JPL) |
| M89 | 4847 | 26-5 | 1750 | Fri | v 6TFU 6TFU 6TFU de GR4W GR4W | CW (LG) |
| M89 | 5432 | 26-5 | 1754 | Fri | v M8JF M8JF M8JF de RIS9 RIS9 | CW (LG) |
| M89 | 6840 | 29-5 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 | CW (JPL) |
| M89 | 10640 | 29-5 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 | CW (JPL) |
| M89 | 10253 | 29-5 | 1126 | Mon | V 6TGU (x3) DE GR4W (x2) | CW (JPL) |
| M89 | 8350 | 29-5 | 1130 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K | CW (JPL) |
| M89 | 5801 | 29-5 | 1132 | Mon | V DKG6 (x3) DE 3A7D (x2) //10180 | CW (JPL) |
| M89 | 10180 | 29-5 | 1132 | Mon | V DKG6 (x3) DE 3A7D (x2) //5801 | CW (JPL) |
| M89 | 3777 | 29-5 | 1137 | Mon | V M8JF (x3) DE RIS9 (x2) //4532 and 8060 | CW (JPL) |
| M89 | 4532 | 29-5 | 1137 | Mon | V M8JF (x3) DE RIS9 (x2) //3777 and 8060 | CW (JPL) |
| M89 | 8060 | 29-5 | 1137 | Mon | V M8JF (x3) DE RIS9 (x2) //3777 and 4532 | CW (JPL) |
| M89 | 5177 | 29-5 | 1529 | Mon | V JKDJ (x3) DE SLBC (x2) | CW (JPL) |
| M89 | 4067 | 29-5 | 1530 | Mon | V 6TGU (x3) DE GR4W (x2) //4847 | CW (JPL) |
| M89 | 4847 | 29-5 | 1530 | Mon | V 6TGU (x3) DE GR4W (x2) //4067 | CW (JPL) |
| M89 | 5801 | 29-5 | 1533 | Mon | V DKG6 (x3) DE 3A7D (x2) //10180 | CW (JPL) |
| M89 | 10180 | 29-5 | 1533 | Mon | V DKG6 (x3) DE 3A7D (x2) //5801 | CW (JPL) |
| M89 | 10180 | 30-5 | 0901 | Tue | V DKG6 (x3) DE 3A7D (x2) | CW (JPL) |
| M89 | 7560 | 30-5 | 0903 | Tue | i.p. 7G NR 30..4 CK 495 24 .520 120 RMKS 14 EEEEE RMKS 1419 TO 5251 K OK = | CW (JPL) |
| M89 | 10736 | 30-5 | 0903 | Tue | i.p. 6AT N67N AR QSL ? K. R HR WK NR 16 K. HR NIL SK GB | CW (JPL) |
| M89 | 6793 | 30-5 | 0956 | Tue | V M8JF (x3) DE RIS9 (x2) //8060 | CW (JPL) |
| M89 | 8060 | 30-5 | 0956 | Tue | V M8JF (x3) DE RIS9 (x2) //6793 | CW (JPL) |
| M89 | 10253 | 30-5 | 0957 | Tue | V 6TGU (x3) DE GR4W (x2) | CW (JPL) |
| M89 | 9020 | 30-5 | 1000 | Tue | VVV 9ZT (x3) DE AG6 (x2) QSV K R DE DE OK 7G ? ZNN QRX NXT VA | CW (JPL) |
| M89 | 5801 | 30-5 | 1532 | Tue | V DKG6 (x3) DE 3A7D (x2) //10180 | CW (JPL) |
| M89 | 10180 | 30-5 | 1532 | Tue | V DKG6 (x3) DE 3A7D (x2) //5801 | CW (JPL) |

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|-----|-------|------|------|-----|--|----|-----------|
| M89 | 4847 | 30-5 | 1533 | Tue | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 3777 | 30-5 | 1535 | Tue | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 30-5 | 1535 | Tue | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 4067 | 30-5 | 1536 | Tue | V 6TGU (x3) DE GR4W (x2) //4847 | CW | (JPL) |
| M89 | 4847 | 30-5 | 1536 | Tue | V 6TGU (x3) DE GR4W (x2) //4067 | CW | (JPL) |
| M89 | 3642 | 30-5 | 2023 | Tue | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M89 | 7602 | 30-5 | 2023 | Tue | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M89 | 4720 | 30-5 | 2030 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 30-5 | 2030 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 10253 | 31-5 | 0518 | Wed | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 9256 | 31-5 | 0526 | Wed | i.p. HR MSG GA NR NR6287 CK 115 552 05 EEE 0531 1300 RMKS 6223870 TO 6223874 DE = | CW | (JPL) |
| M89 | 10180 | 31-5 | 0554 | Wed | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M89 | 9241 | 31-5 | 0555 | Wed | i.p. WK NR 6 HR WK NR 62237 HR WK NR NR 52238740 K. SK GB | CW | (JPL) |
| M89 | 6840 | 31-5 | 1020 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640 | CW | (JPL) |
| M89 | 10640 | 31-5 | 1020 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 | CW | (JPL) |
| M89 | 10253 | 31-5 | 1025 | Wed | V 6TGU (x3) DE GR4W (x2) | CW | (JPL) |
| M89 | 5801 | 31-5 | 1026 | Wed | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M89 | 10180 | 31-5 | 1026 | Wed | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M89 | 3777 | 31-5 | 1030 | Wed | V M8JF (x3) DE RIS9 (x2) //4532 and 6793 | CW | (JPL) |
| M89 | 4532 | 31-5 | 1030 | Wed | V M8JF (x3) DE RIS9 (x2) //3777 and 6793 | CW | (JPL) |
| M89 | 6793 | 31-5 | 1030 | Wed | CQ06 /4628 4659 4684 MSG NR 530 CK 99 14 0531 1833 RMKS 2494 TO 4628 4659 4684 = //3777, 4532 | CW | (JPL) |
| M89 | 3777 | 31-5 | 1135 | Wed | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 31-5 | 1135 | Wed | CQ06/4684 3955 7044 MSG NR 543 CK 99 14 0531 1938 RMKS 2494 TO 4684 3955 7044 = //3777 | CW | (JPL) |
| M89 | 3777 | 31-5 | 1449 | Wed | V M8JF (x3) DE RIS9 (x2) //4532 | CW | (JPL) |
| M89 | 4532 | 31-5 | 1449 | Wed | V M8JF (x3) DE RIS9 (x2) //3777 | CW | (JPL) |
| M89 | 5058 | 31-5 | 1451 | Wed | i.p. 57U3 A443 U7AN 6AA6 ... III 457N AR K R R OK OK | CW | (JPL) |
| M89 | 5566 | 31-5 | 1456 | Wed | i.p. 43DN 6654 73DU 56T7 ... = ..4D 5T6U A753 ... | CW | (JPL) |
| M89 | 5177 | 31-5 | 1504 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3642 | 31-5 | 1505 | Wed | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M89 | 7602 | 31-5 | 1505 | Wed | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M89 | 4067 | 31-5 | 1507 | Wed | V 6TGU (x3) DE GR4W (x2) //4847 | CW | (JPL) |
| M89 | 4847 | 31-5 | 1507 | Wed | V 6TGU (x3) DE GR4W (x2) //4067 | CW | (JPL) |
| M89 | 3842 | 31-5 | 1508 | Wed | i.p. CK 23 53 0531 1309 RMKS 6473 TO 6475 = | CW | (JPL) |
| M89 | 3973 | 31-5 | 1513 | Wed | i.p. 13. CK 0183 34 0531 2.02 EEEE 2220 K = UAA3 U4UT TTTU ... | CW | (JPL) |
| M95 | 8073 | 1-5 | 1136 | Mon | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0376 CK 99 35 0501 1553= TTA 3U6 3AN 3U7 TAU ... | CW | (JPL-NZL) |
| M95 | 4243 | 1-5 | 1149 | Mon | VV HR MSG TO YR PSE CY NR 067 CK 17 35 0501 1505 = 5TD UTT TTA 3U6 3A4 ... //9054 kHz | CW | (JPL-NZL) |
| M95 | 9054 | 1-5 | 1149 | Mon | VV HR MSG TO YR PSE CY NR 067 CK 17 35 0501 1505 = 5TD UTT TTA 3U6 3A4 ... //4243 kHz | CW | (JPL-NZL) |

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|------------|---------|------|------|-----|---|----|-----------|
| M95 | 5180 | 1-5 | 1517 | Mon | i.p. NR 0511/CCK CK 12. 33 0501 2319 RMKS 3439 TO 3424 K. R MSG RP K | CW | (JPL-NZL) |
| M95 | 9054 | 1-5 | 2354 | Mon | i.p. 34U T3. 3D. AR A HR UP SB WK | CW | (JPL-NZL) |
| M95 | 4364 | 2-5 | 0009 | Tue | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0377 CK 111 35 0502 0651 = TTU 3U4 3A4 TAU 773 //8073 kHz | CW | (JPL-NZL) |
| M95 | 8073 | 2-5 | 0009 | Tue | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0377 CK 111 35 0502 0651 = TTU 3U4 3A4 TAU 773 //4364 kHz | CW | (JPL-NZL) |
| M95 | 8073 | 5-5 | 1135 | Fri | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0384 CK 147 35 0505 1605 = TT5 3U6 3AN 3U7 TAU ... | CW | (F5JBR) |
| M95 | 4243 | 5-5 | 1149 | Fri | VV HR MSG TO YR PSE CY NR 075 CK 21 35 0505 1523 = 5TD UTT TT5 3U6 7TA ... //9054 kHz | CW | (F5JBR) |
| M95 | 9054 | 5-5 | 1149 | Fri | VV HR MSG TO YR PSE CY NR 075 CK 21 35 0505 1523 = 5TD UTT TT5 3U6 7TA ... //4243 kHz | CW | (F5JBR) |
| M95 | 8073 | 8-5 | 1142 | Mon | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0390 CK 123 35 0508 1558 = TTD 3U6 3AN 3U7 TAU ... | CW | (JPL-NZL) |
| M95 | 4243 | 8-5 | 1147 | Mon | VV BT HR 7G TO YR PSE CY NR 081 CK 33 35 0508 1426 = 5TD UTT TTD 3U6 7TA ... //9054 kHz | CW | (JPL-NZL) |
| M95 | 9054 | 8-5 | 1147 | Mon | VV BT HR 7G TO YR PSE CY NR 081 CK 33 35 0508 1426 = 5TD UTT TTD 3U6 7TA ... //4243 kHz | CW | (JPL-NZL) |
| M95 | 4243 | 20-5 | 1200 | Sat | Messages in Chinese. Female operator //9054 kHz | CW | (JPL-NZL) |
| M95 | 9054 | 20-5 | 1200 | Sat | Messages in Chinese. Female operator //4243 kHz | CW | (JPL-NZL) |
| M95 | 8073 | 21-5 | 1137 | Sun | i.p. NR 0416 CK 135 35 0521 1540 = | CW | (JPL-NZL) |
| M95 | 9054 | 27-5 | 0929 | Sat | AR A HR UP SB WK | CW | (JPL-NZL) |
| M95 | 7554 | 30-5 | 0931 | Tue | XSV70 i.p. 4D6 33D 75D 4DU 3AN 354 ... MSG AGN NR 450 CK 179 35 0530 1545 ... | CW | (JPL-CHN) |
| M95 | 9018 | 30-5 | 1007 | Tue | XSV70 i.p. 05 05 76DN 05 05 05 05 05 67DD ... 67DN 5 5 05 05 II AR | CW | (JPL-CHN) |
| M95 | 8073 | 31-5 | 0010 | Wed | XSV85 i.p. 773 TA7 773 TA. ... GA NR 0443 CK 104 35 0531 0713 = T3A 3U4 374 TAU 773 TA7 ... | CW | (JPL-CHN) |
| MX | 5466 | 1-5 | 1915 | Mon | Beacon V | CW | (ES) |
| MX | 16332.2 | 6-5 | 0500 | Sat | Beacon F, Vladivostok | CW | (ES-J) |
| MX | 16332.4 | 6-5 | 0500 | Sat | Beacon M, Magadan | CW | (ES-J) |
| MX | 5153.9 | 8-5 | 1906 | Mon | Beacon S, Severomorsk | CW | (MPJ) |
| MX | 5154.1 | 8-5 | 1907 | Mon | Beacon A, Astrakhan | CW | (MPJ) |
| MX | 8497.8 | 12-5 | 1709 | Fri | Beacon L, St Petersburg | CW | (AB) |
| MX | 13527.7 | 12-5 | 1709 | Fri | Beacon D, Sevastopol | CW | (AB) |
| MX | 13527.9 | 12-5 | 1709 | Fri | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 13528 | 12-5 | 1709 | Fri | Beacon C, Moscow | CW | (AB) |
| MX | 5153.7 | 15-5 | 1927 | Mon | Beacon D, Sevoromorsk | CW | (MPJ) |
| MX | 5154 | 15-5 | 1927 | Mon | Beacon C, Moscow | CW | (MPJ) |
| MX | 5154.1 | 15-5 | 1927 | Mon | Beacon A, Astrakhan/Baku | CW | (MPJ) |
| MX | 4150 | 18-5 | 2010 | Thu | Beacon V | CW | (ES-POL) |
| MX | 5094 | 19-5 | 1708 | Fri | Beacon V | CW | (AB) |
| MX | 5156.8 | 19-5 | 1708 | Fri | Beacon L, St Petersburg | CW | (AB) |
| MX | 5153.7 | 19-5 | 1709 | Fri | Beacon D, Sevastopol | CW | (AB) |
| MX | 5153.9 | 19-5 | 1709 | Fri | Beacon S, Severomorsk | CW | (AB) |
| MX | 5154.1 | 19-5 | 1709 | Fri | Beacon A, Astrakhan | CW | (AB) |
| MX | 4150 | 19-5 | 1724 | Fri | Beacon V | CW | (AB) |

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|-------------|--------|------|------|-----|--|----------------------|---------------------|
| MX | 5153.7 | 22-5 | 1905 | Mon | Beacon D, Sevastopol | CW | (MPJ) |
| MX | 5154 | 22-5 | 1906 | Mon | Beacon C, Moscow | CW | (MPJ) |
| MX | 5154.1 | 22-5 | 1907 | Mon | Beacon A, Astrakhan | CW | (MPJ) |
| Q26 | 8073 | 1-5 | 1130 | Mon | Messages | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 4243 | 1-5 | 1144 | Mon | Messages //9054 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 9054 | 1-5 | 1144 | Mon | Messages //4243 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 8073 | 1-5 | 1205 | Mon | Messages | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 4364 | 2-5 | 0004 | Tue | Messages //8073 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 8073 | 2-5 | 0004 | Tue | Messages //4364 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 18922 | 2-5 | 0700 | Tue | UGTF UGTF UGTF DE FCJA FCJA FCJA QSA? | 4+4 QPSK 75/3000 LSB | (EW) |
| Q26 | 8073 | 5-5 | 1132 | Fri | Message | 4+4 QPSK 75/3000 LSB | (F5JBR) |
| Q26 | 4243 | 5-5 | 1143 | Fri | Message //9054 kHz | 4+4 QPSK 75/3000 LSB | (F5JBR) |
| Q26 | 9054 | 5-5 | 1143 | Fri | Message //4243 kHz | 4+4 QPSK 75/3000 LSB | (F5JBR) |
| Q26 | 4243 | 8-5 | 1145 | Mon | Messages //9054 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 9054 | 8-5 | 1145 | Mon | Messages //4243 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 4243 | 20-5 | 1143 | Sat | VV HR 7G TO YR PSE CY NR 005 CK 17 35 0520 1520 = //9054 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 9054 | 20-5 | 1143 | Sat | VV HR 7G TO YR PSE CY NR 005 CK 17 35 0520 1520 = //4243 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 4243 | 21-5 | 1140 | Sun | Messages //9054 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| Q26 | 9054 | 21-5 | 1140 | Sun | Messages //4243 kHz | 4+4 QPSK 75/3000 LSB | (JPL-NZL) |
| RAv | 8090 | 7-5 | 0714 | Sun | Aircraft 97082, 97084, 97092 wkg Na- bor and Shpora. Radio checks and mes- sages | USB | (F5JBR) |
| S06 | 11565 | 3-5 | 0830 | Wed | 464 285 7 37830 ... | USB | (HFD) |
| S06 | 12560 | 3-5 | 0840 | Wed | 464 285 7 37830 ... | USB | (HFD) |
| S06 | 17475 | 4-5 | 0830 | Thu | 842 617 42 19063 30646 19660 ... 33746 13003 25543 617 42 00000 | USB | (AB-NZL/HFD) |
| S06 | 14736 | 4-5 | 0930 | Thu | 842 617 42 19063 30646 19660 ... 33746 13003 25543 617 42 00000 | USB | (AB- RUS/ES/HFD) |
| S06 | 17475 | 5-5 | 0830 | Fri | 842 617 42 19063 30646 19660 ... 33746 13003 25543 617 42 00000 | USB | (AB-J/HFD) |
| S06 | 14736 | 5-5 | 0930 | Fri | 842 617 42 19063 30646 19660 ... 33746 13003 25543 617 42 00000 | USB | (AB-RUS/ES) |
| S06 | 9942 | 5-5 | 1900 | Fri | 514 514 514 00000 | USB | (HFD) |
| S06 | 7951 | 5-5 | 2000 | Fri | 514 514 514 00000 | USB | (AnEur) |
| S06 | 6801 | 6-5 | 1900 | Sat | 913 913 913 00000 | USB | (HFD) |
| S06 | 5931 | 6-5 | 2000 | Sat | 913 913 913 00000 | USB | (HFD) |
| S06 | 17475 | 11-5 | 0835 | Thu | i.p. 98089 70861 905 43 00000 | USB | (ES-J) |
| S06 | 14736 | 11-5 | 0930 | Thu | 842 905 43 63056 18465 93811 ... 54504 98089 70861 905 43 00000 | USB | (ES-J) |
| S06 | 14736 | 12-5 | 0930 | Fri | 842 905 43 63056 18465 93811 ... 54504 98089 70861 905 43 00000 | USB | (ES-J) |
| S06 | 14736 | 18-5 | 0930 | Thu | 842 637 44 30330 97947 43911 ... 51572 25832 93965 637 44 00000 | USB | (ES-J) |
| S06 | 10290 | 19-5 | 0930 | Fri | 516 279 8 61199 48353 76235 30141 90966 27700 37136 51939 279 8 00000 | USB | (AB) |
| S06 | 9655 | 19-5 | 0940 | Fri | 516 279 8 61199 48353 76235 30141 90966 27700 37136 51939 279 8 00000 | USB | (AB) |
| S06 | 9943 | 19-5 | 1900 | Fri | 514 514 514 00000 | USB | (AB/MPJ) |
| S06 | 7951 | 19-5 | 2000 | Fri | 514 514 514 00000 | USB | (AB/MPJ) |
| S06 | 6791 | 20-5 | 1900 | Sat | 913 913 913 00000 | USB | (AB) |
| S06 | 5931 | 20-5 | 2000 | Sat | 913 913 913 00000 | USB | (AB) |
| S06c | 6123 | 2-5 | 0950 | Tue | 11625 //8171 kHz | USB | (ES-POL) |
| S06c | 8171 | 2-5 | 0950 | Tue | 11625 //6123 kHz | USB | (ES-POL) |
| S06c | 6123 | 2-5 | 1035 | Tue | 11625 | USB | (ES-HOL) |
| S06c | 6123 | 10-5 | 0852 | Wed | 11625 //8171 kHz | USB | (ES) |
| S06c | 8171 | 10-5 | 0852 | Wed | 11625 //6123 kHz | USB | (ES) |
| S06c | 6123 | 10-5 | 0905 | Wed | 11625 //8171 kHz | USB | (ES) |

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|-------------|-------|------|------|-----|--|-----|-----------------|
| S06c | 8171 | 10-5 | 0905 | Wed | 11625 //6123 kHz | USB | (ES) |
| S06s | 8221 | 1-5 | 0830 | Mon | 371 895 6 28548 59014 32424 75078 97520 05317 895 6 00000 | USB | (AB/ES/HFD) |
| S06s | 9353 | 1-5 | 0840 | Mon | 371 895 6 28548 59014 32424 75078 97520 05317 895 6 00000 | USB | (AB/HFD) |
| S06s | 16380 | 1-5 | 0900 | Mon | 872 945 6 59067 | USB | (HFD) |
| S06s | 16380 | 1-5 | 0900 | Mon | 872 945 6 59067 58855 48235 28222 37832 37313 945 6 00000 | USB | (AB/ES/HFD) |
| S06s | 14835 | 1-5 | 0910 | Mon | 872 945 6 59067 58855 48235 28222 37832 37313 945 6 00000 | USB | (AB/HFD) |
| S06s | 10230 | 1-5 | 1200 | Mon | 831 409 5 43058 55693 97629 51174 97511 409 5 00000 | USB | (AB/ES/HFD) |
| S06s | 12165 | 1-5 | 1210 | Mon | 831 409 5 43058 55693 97629 51174 97511 409 5 00000 | USB | (AB/HFD) |
| S06s | 5430 | 2-5 | 0700 | Tue | 374 201 5 37218 30443 35801 32940 43079 201 5 00000 | USB | (AB/HFD) |
| S06s | 6780 | 2-5 | 0715 | Tue | 374 201 5 37218 30443 35801 32940 43079 201 5 00000 | USB | (AB/HFD) |
| S06s | 7365 | 2-5 | 0730 | Tue | 427 863 5 38367 33406 42366 37868 37250 863 5 00000 | USB | (AB/HFD) |
| S06s | 11655 | 2-5 | 0740 | Tue | 427 863 5 38367 33406 42366 37868 37250 863 5 00000 | USB | (AB/HFD) |
| S06s | 14373 | 2-5 | 0800 | Tue | 352 864 7 88146 57865 98835 46186 16945 80744 86200 864 7 00000 | USB | (AB/ES/HFD) |
| S06s | 12935 | 2-5 | 0810 | Tue | 352 864 7 88146 57865 98835 46186 16945 80744 86200 864 7 00000 | USB | (AB) |
| S06s | 6440 | 2-5 | 1000 | Tue | 893 417 5 43043 34746 34053 30738 56864 417 5 00000 | USB | (AB-UKR/HFD) |
| S06s | 5660 | 2-5 | 1010 | Tue | 893 417 5 43043 34746 34053 30738 56864 417 5 00000 | USB | (AB-UKR/ES/HFD) |
| S06s | 6810 | 2-5 | 1100 | Tue | 754 913 6 45356 ... | USB | (HFD) |
| S06s | 6766 | 2-5 | 1500 | Tue | 537 921 6 47693 45680 45098 32417 39736 35697 921 6 00000 | USB | (AB-S/HFD) |
| S06s | 7744 | 2-5 | 1510 | Tue | 537 921 6 47693 45680 45098 32417 39736 35697 921 6 00000 | USB | (AB/MPJ/HFD) |
| S06s | 12110 | 3-5 | 0730 | Wed | 745 839 6 35861 33432 89319 32494 36914 46467 839 6 00000 | USB | (AB/ES/HFD) |
| S06s | 14977 | 3-5 | 0740 | Wed | 745 839 6 35861 33432 89319 32494 36914 46467 839 6 00000 | USB | (AB/HFD) |
| S06s | 9485 | 3-5 | 0820 | Wed | 471 896 5 40639 33180 48007 37230 46446 896 5 00000 | USB | (AB/HFD) |
| S06s | 11085 | 3-5 | 0830 | Wed | 471 896 5 40639 33180 48007 37230 46446 896 5 00000 | USB | (AB/ES/HFD) |
| S06s | 11565 | 3-5 | 0830 | Wed | 464 285 7 37830 31671 35401 34072 83030 32030 32154 285 7 00000 | USB | (AB/ES) |
| S06s | 12560 | 3-5 | 0840 | Wed | 464 285 7 37830 31671 35401 34072 83030 32030 32154 285 7 00000 | USB | (AB/ES) |
| S06s | 14580 | 3-5 | 1000 | Wed | 729 436 5 33699 39998 30667 35947 83964 436 5 00000 | USB | (AB/ES) |
| S06s | 16020 | 3-5 | 1010 | Wed | 729 436 5 33699 39998 30667 35947 83964 436 5 00000 | USB | (AB/HFD) |
| S06s | 9255 | 4-5 | 0930 | Thu | 314 568 7 33445 69425 38167 05424 76458 59421 21677 568 7 00000 | USB | (ES) |
| S06s | 13145 | 4-5 | 1200 | Thu | 425 976 8 62795 74228 56551 44999 47773 55580 95628 05317 976 8 00000 | USB | (ES) |
| S06s | 6844 | 5-5 | 0900 | Fri | 624 831 5 23375 56927 69640 67369 51606 831 5 00000 | USB | (AB) |
| S06s | 7161 | 5-5 | 0910 | Fri | 624 831 5 23375 56927 69640 67369 51606 831 5 00000 | USB | (AB/ES) |
| S06s | 10290 | 5-5 | 0930 | Fri | 516 403 7 51326 41878 48807 28229 | USB | (AB) |

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|-------------|-------|------|------|-----|--|-----|-------------|
| | | | | | 33314 35644 11070 403 7 00000 | | |
| S06s | 9655 | 5-5 | 0940 | Fri | 516 403 7 51326 41878 48807 28229 33314 35644 11070 403 7 00000 | USB | (AB) |
| S06s | 12460 | 6-5 | 0800 | Sat | 254 980 6 26634 14690 95590 60386 88569 89617 980 6 00000 | USB | (AB/ES/HFD) |
| S06s | 10250 | 6-5 | 0810 | Sat | 254 980 6 26634 14690 95590 60386 88569 89617 980 6 00000 | USB | (AB/HFD) |
| S06s | 16320 | 7-5 | 0630 | Sun | 524 967 8 35415 43943 43500 04711 97964 01368 81371 65520 967 8 00000 | USB | (AB/HFD) |
| S06s | 14875 | 7-5 | 0640 | Sun | 524 967 8 35415 43943 43500 04711 97964 01368 81371 65520 967 8 00000 | USB | (AB/HFD) |
| S06s | 8221 | 8-5 | 0830 | Mon | 371 895 6 28548 59014 32424 75078 97520 05317 895 6 00000 | USB | (AB) |
| S06s | 9353 | 8-5 | 0840 | Mon | 371 895 6 28548 59014 32424 75078 97520 05317 895 6 00000 | USB | (AB) |
| S06s | 16380 | 8-5 | 0900 | Mon | 872 945 6 59067 58855 48235 28222 37832 37313 945 6 00000 | USB | (AB) |
| S06s | 14835 | 8-5 | 0910 | Mon | 872 945 6 59067 58855 48235 28222 37832 37313 945 6 00000 | USB | (AB/ES) |
| S06s | 10230 | 8-5 | 1200 | Mon | 831 409 5 43058 55693 97629 51174 97511 409 5 00000 | USB | (AB/MPJ) |
| S06s | 12165 | 8-5 | 1210 | Mon | 831 409 5 43058 55693 97629 51174 97511 409 5 00000 | USB | (AB/MPJ) |
| S06s | 15945 | 9-5 | 0600 | Tue | 438 261 5 12444 38625 89531 52814 95931 261 5 00000 | USB | (AB/HFD) |
| S06s | 16945 | 9-5 | 0610 | Tue | 438 261 5 12444 38625 89531 52814 95931 261 5 00000 | USB | (AB/HFD) |
| S06s | 5430 | 9-5 | 0700 | Tue | 374 201 5 37218 30443 35801 32940 43079 201 5 00000 | USB | (AB) |
| S06s | 6780 | 9-5 | 0715 | Tue | 374 201 5 37218 30443 35801 32940 43079 201 5 00000 | USB | (AB) |
| S06s | 7365 | 9-5 | 0730 | Tue | 427 863 5 38367 33406 42366 37868 37250 863 5 00000 | USB | (AB) |
| S06s | 11655 | 9-5 | 0740 | Tue | 427 863 5 38367 33406 42366 37868 37250 863 5 00000 | USB | (AB) |
| S06s | 14373 | 9-5 | 0800 | Tue | 352 908 6 61732 74537 57440 10597 23521 47660 908 6 00000 | USB | (AB/HFD) |
| S06s | 12935 | 9-5 | 0810 | Tue | 352 908 6 61732 74537 57440 10597 23521 47660 908 6 00000 | USB | (AB/HFD) |
| S06s | 6440 | 9-5 | 1000 | Tue | 893 417 5 43043 34746 34053 30738 56864 417 5 00000 | USB | (AB-UKR) |
| S06s | 5660 | 9-5 | 1010 | Tue | 893 417 5 43043 34746 34053 30738 56864 417 5 00000 | USB | (AB-UKR) |
| S06s | 6810 | 9-5 | 1100 | Tue | 754 913 6 45356 49396 39265 32053 81782 47381 913 6 00000 | USB | (AB-RUS) |
| S06s | 7560 | 9-5 | 1110 | Tue | 754 913 6 45356 49396 39265 32053 81782 47381 913 6 00000 | USB | (AB-RUS) |
| S06s | 6766 | 9-5 | 1500 | Tue | 537 921 6 47693 45680 45098 32417 39736 35697 921 6 00000 | USB | (AB-GRC) |
| S06s | 7744 | 9-5 | 1510 | Tue | 537 921 6 47693 45680 45098 32417 39736 35697 921 6 00000 | USB | (AB) |
| S06s | 12110 | 10-5 | 0730 | Wed | 745 839 6 35861 33432 89319 32494 36914 46467 839 6 00000 | USB | (AB/ES) |
| S06s | 14977 | 10-5 | 0740 | Wed | 745 839 6 35861 33432 89319 32494 36914 46467 839 6 00000 | USB | (AB) |
| S06s | 9485 | 10-5 | 0820 | Wed | 471 896 5 40639 33180 48007 37230 46446 896 5 00000 | USB | (AB) |
| S06s | 11085 | 10-5 | 0830 | Wed | 471 896 5 40639 33180 48007 37230 46446 896 5 00000 | USB | (AB/ES) |
| S06s | 11565 | 10-5 | 0830 | Wed | 464 285 7 37830 31671 35401 34072 | USB | (AB/ES) |

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|-------------|-------|------|------|-----|--|-----|-----------------|
| | | | | | 83030 32030 32154 285 7 00000 | | |
| S06s | 12560 | 10-5 | 0840 | Wed | 464 285 7 37830 31671 35401 34072 83030 32030 32154 285 7 00000 | USB | (AB) |
| S06s | 14580 | 10-5 | 1000 | Wed | 729 436 5 33699 39998 30667 35947 83964 436 5 00000 | USB | (AB/MPJ) |
| S06s | 16020 | 10-5 | 1010 | Wed | 729 436 5 33699 39998 30667 35947 83964 436 5 00000 | USB | (AB/MPJ/ES) |
| S06s | 9255 | 11-5 | 0930 | Thu | 314 568 7 33445 69425 38167 05424 76458 59421 21677 568 7 00000 | USB | (AB/HFD) |
| S06s | 10325 | 11-5 | 0940 | Thu | 314 568 7 33445 69425 38167 05424 76458 59421 21677 568 7 00000 | USB | (AB/ES/HFD) |
| S06s | 13145 | 11-5 | 1200 | Thu | 425 976 8 62795 74228 56551 44999 47773 55580 95628 05317 976 8 00000 | AM | (AB/HFD) |
| S06s | 14535 | 11-5 | 1210 | Thu | 425 976 8 62795 74228 56551 44999 47773 55580 95628 05317 976 8 00000 | AM | (AB/MPJ/ES/HFD) |
| S06s | 6844 | 12-5 | 0900 | Fri | 624 831 5 23375 56927 69640 67369 51606 831 5 00000 | USB | (AB/ES/HFD) |
| S06s | 7161 | 12-5 | 0910 | Fri | 624 831 5 23375 56927 69640 67369 51606 831 5 00000 | USB | (AB/HFD) |
| S06s | 10290 | 12-5 | 0930 | Fri | 516 403 7 51326 41878 48807 28229 33314 35644 11070 403 7 00000 | AM | (AB/ES/HFD) |
| S06s | 9655 | 12-5 | 0940 | Fri | 516 403 7 51326 41878 48807 28229 33314 35644 11070 403 7 00000 | AM | (AB/HFD) |
| S06s | 16320 | 14-5 | 0630 | Sun | 524 967 8 35415 43943 43500 04711 97964 01368 81371 65520 967 8 00000 | USB | (AB) |
| S06s | 14875 | 14-5 | 0640 | Sun | 524 967 8 35415 43943 43500 04711 97964 01368 81371 65520 967 8 00000 | USB | (AB) |
| S06s | 8221 | 15-5 | 0830 | Mon | 371 469 8 44475 30322 36034 45445 44008 38453 48324 33885 469 8 00000 | USB | (AB) |
| S06s | 9353 | 15-5 | 0840 | Mon | 371 469 8 44475 30322 36034 45445 44008 38453 48324 33885 469 8 00000 | USB | (AB) |
| S06s | 16380 | 15-5 | 0900 | Mon | 872 459 6 37545 30989 41691 34753 32543 40936 459 6 00000 | USB | (AB) |
| S06s | 14835 | 15-5 | 0910 | Mon | 872 459 6 37545 30989 41691 34753 32543 40936 459 6 00000 | USB | (AB) |
| S06s | 10230 | 15-5 | 1200 | Mon | 831 460 5 33365 97541 84517 48694 47423 460 5 00000 | USB | (AB/MPJ/ES) |
| S06s | 12165 | 15-5 | 1210 | Mon | 831 460 5 33365 97541 84517 48694 47423 460 5 00000 | USB | (AB/MPJ) |
| S06s | 15945 | 16-5 | 0600 | Tue | 438 216 5 20534 11160 43494 37638 16341 216 5 00000 | USB | (AB/ES) |
| S06s | 16945 | 16-5 | 0610 | Tue | 438 216 5 20534 11160 43494 37638 16341 216 5 00000 | USB | (AB) |
| S06s | 5430 | 16-5 | 0700 | Tue | 374 256 8 55215 56715 84880 62556 48045 59300 22273 55697 256 8 00000 | USB | (AB) |
| S06s | 6780 | 16-5 | 0715 | Tue | 374 256 8 55215 56715 84880 62556 48045 59300 22273 55697 256 8 00000 | USB | (AB) |
| S06s | 7365 | 16-5 | 0730 | Tue | 427 810 5 24625 35422 48502 12856 98422 810 5 00000 | USB | (AB/ES) |
| S06s | 11655 | 16-5 | 0740 | Tue | 427 810 5 24625 35422 48502 12856 98422 810 5 00000 | USB | (AB) |
| S06s | 14373 | 16-5 | 0800 | Tue | 352 908 6 61732 74537 57440 10597 23521 47660 908 6 00000 | USB | (AB) |
| S06s | 12935 | 16-5 | 0810 | Tue | 352 908 6 61732 74537 57440 10597 23521 47660 908 6 00000 | USB | (AB) |
| S06s | 5660 | 16-5 | 1010 | Tue | 893 410 5 66188 20221 96854 50914 30275 410 5 00000 | USB | (AB-UKR/ES-UKR) |
| S06s | 6810 | 16-5 | 1100 | Tue | 754 980 6 58716 00463 76752 74622 88466 38589 980 6 00000 | USB | (AB-POL) |
| S06s | 7560 | 16-5 | 1110 | Tue | 754 980 6 58716 00463 76752 74622 | USB | (AB-RUS) |

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| | | | | | 88466 38589 980 6 00000 | | |
| S06s | 6766 | 16-5 | 1500 | Tue | 537 260 8 10471 11141 84895 96075 81620 43611 43110 74663 260 8 00000 | USB | (AB-HNG) |
| S06s | 7744 | 16-5 | 1510 | Tue | 537 260 8 10471 11141 84895 96075 81620 43611 43110 74663 260 8 0000015621 | USB | (AB) |
| S06s | 12110 | 17-5 | 0730 | Wed | 745 219 6 55315 56715 84880 62556 48045 58600 219 6 00000 | USB | (AB/ES) |
| S06s | 14977 | 17-5 | 0740 | Wed | 745 219 6 55315 56715 84880 62556 48045 58600 219 6 00000 | USB | (AB) |
| S06s | 9485 | 17-5 | 0820 | Wed | 471 890 5 95758 87623 33532 92775 94731 890 5 00000 | USB | (AB/ES) |
| S06s | 11085 | 17-5 | 0830 | Wed | 471 890 5 95758 87623 33532 92775 94731 890 5 00000 | USB | (AB) |
| S06s | 11565 | 17-5 | 0830 | Wed | 464 813 5 10471 43611 43110 74663 58715 813 5 00000 | USB | (AB/ES) |
| S06s | 12560 | 17-5 | 0840 | Wed | 464 813 5 10471 43611 43110 74663 58715 813 5 00000 | USB | (AB) |
| S06s | 14580 | 17-5 | 1000 | Wed | 729 403 5 24625 35422 48502 12856 98433 403 5 00000 | USB | (AB/MPJ) |
| S06s | 16020 | 17-5 | 1010 | Wed | 729 403 5 24625 35422 48502 12856 98433 403 5 00000 | USB | (AB/MPJ) |
| S06s | 9255 | 18-5 | 0930 | Thu | 314 872 5 98539 43324 98306 33149 07660 872 5 00000 | USB | (AB/ES) |
| S06s | 10325 | 18-5 | 0940 | Thu | 314 872 5 98539 43324 98306 33149 07660 872 5 00000 | USB | (AB) |
| S06s | 13145 | 18-5 | 1200 | Thu | 425 973 6 82642 11347 76870 65064 57312 55932 973 6 00000 | AM | (AB/MPJ) |
| S06s | 14535 | 18-5 | 1210 | Thu | 425 973 6 82642 11347 76870 65064 57312 55932 973 6 00000 | AM | (AB/GHn/MPJ) |
| S06s | 6844 | 19-5 | 0900 | Fri | 624 903 5 25698 91524 85711 07524 54921 903 5 00000 | USB | (AB) |
| S06s | 7161 | 19-5 | 0910 | Fri | 624 903 5 25698 91524 85711 07524 54921 903 5 00000 | USB | (AB) |
| S06s | 8221 | 22-5 | 0830 | Mon | 371 469 8 44475 30322 36034 45444 44008 38453 48324 33885 469 8 00000 | USB | (AnEur) |
| S06s | 9353 | 22-5 | 0840 | Mon | 371 469 8 44475 30322 36034 45444 44008 38453 48324 33885 469 8 00000 | USB | (AnEur) |
| S06s | 10230 | 22-5 | 1200 | Mon | 831 460 5 33365 99541 84517 48694 47423 460 5 00000 | USB | (MPJ) |
| S06s | 12165 | 22-5 | 1210 | Mon | 831 460 5 33365 99541 84517 48694 47423 460 5 00000 | USB | (MPJ) |
| S06s | 5430 | 23-5 | 0700 | Tue | 374 256 8 55215 56715 84880 62556 48045 59600 22273 55697 256 8 00000 | USB | (AnEur) |
| S06s | 6780 | 23-5 | 0715 | Tue | 374 256 8 55215 56715 84880 62556 48045 59600 22273 55697 256 8 00000 | USB | (AnEur) |
| S06s | 7365 | 23-5 | 0730 | Tue | 427 810 5 24625 35422 48502 12856 98422 810 5 00000 | USB | (AnEur) |
| S06s | 11655 | 23-5 | 0740 | Tue | 427 810 5 24625 35422 48502 12856 98422 810 5 00000 | USB | (AnEur) |
| S06s | 14373 | 23-5 | 0800 | Tue | 352 968 7 85355 47884 47618 66523 53181 54255 87465 968 7 00000 | USB | (AnEur) |
| S06s | 12935 | 23-5 | 0810 | Tue | 352 968 7 85355 47884 47618 66523 53181 54255 87465 968 7 00000 | USB | (AnEur) |
| S06s | 5660 | 23-5 | 1010 | Tue | 893 410 5 66188 20221 96?4? ?0914 3072? 410 5 00000 | USB | (AnEur) |
| S06s | 7560 | 23-5 | 1110 | Tue | 754 980 6 58716 0346? 76752 74622 88466 38589 980 6 00000 | USB | (AnEur) |
| S06s | 6766 | 23-5 | 1500 | Tue | 537 260 8 10471 11141 84895 96075 81620 43611 43110 74663 260 8 00000 | USB | (AB-HNG) |

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|-------------|-------|------|------|-----|---|-----|--------------|
| S06s | 7744 | 23-5 | 1510 | Tue | 537 260 8 10471 11141 84895 96075 81620 43611 43110 74663 260 8 00000 | USB | (AB) |
| S06s | 12110 | 24-5 | 0730 | Wed | 745 219 6 55315 56715 84880 62556 48045 58600 219 6 00000 | USB | (AnEur) |
| S06s | 14977 | 24-5 | 0740 | Wed | 745 219 6 55315 56715 84880 62556 48045 58600 219 6 00000 | USB | (AnEur) |
| S06s | 9485 | 24-5 | 0820 | Wed | 471 890 5 95758 87623 33532 92775 94731 890 5 00000 | USB | (AnEur) |
| S06s | 11055 | 24-5 | 0830 | Wed | 471 890 5 95758 87623 33532 92775 94731 890 5 00000 | USB | (AnEur) |
| S06s | 11565 | 24-5 | 0830 | Wed | 464 813 5 10471 43611 43110 74663 58715 813 5 00000 | USB | (AnEur) |
| S06s | 12560 | 24-5 | 0840 | Wed | 464 813 5 10471 43611 43110 74663 58715 813 5 00000 | USB | (AnEur) |
| S06s | 9255 | 24-5 | 0930 | Wed | 314 872 5 98539 43324 98306 33149 07660 872 5 00000 | USB | (AnEur) |
| S06s | 10325 | 24-5 | 0940 | Wed | 314 872 5 98539 43324 98306 33149 07660 872 5 00000 | USB | (AnEur) |
| S06s | 14580 | 24-5 | 1000 | Wed | 729 403 5 24625 35422 48502 12856 98433 403 5 00000 | USB | (AnEur) |
| S06s | 16020 | 24-5 | 1100 | Wed | 729 403 5 24625 35422 48502 12856 98433 403 5 00000 | USB | (AnEur) |
| S06s | 13145 | 24-5 | 1200 | Wed | 425 973 6 82642 11347 76870 65064 57312 55932 973 6 00000 | USB | (MPJ) |
| S06s | 14535 | 24-5 | 1210 | Wed | 425 973 6 82642 11347 76870 65064 57312 55932 973 6 00000 | USB | (MPJ) |
| S06s | 10230 | 29-5 | 1200 | Mon | 831 831 831 00000 | USB | (MPJ) |
| S06s | 12165 | 29-5 | 1210 | Mon | 831 831 831 00000 | USB | (MPJ) |
| S11a | 10210 | 1-5 | 1015 | Mon | 476/00 | USB | (AB/ES/HFD) |
| S11a | 5149 | 2-5 | 0455 | Tue | 321/00 | USB | (HFD) |
| S11a | 8530 | 2-5 | 0915 | Tue | 484/00 | USB | (AB/ES/HFD) |
| S11a | 4870 | 3-5 | 1955 | Wed | 378/00 | USB | (AB/MPJ) |
| S11a | 10210 | 4-5 | 1015 | Thu | 477/00 | USB | (AB/ES) |
| S11a | 5149 | 5-5 | 0455 | Fri | 328/00 | USB | (AB/ES) |
| S11a | 8530 | 5-5 | 0915 | Fri | 482/00 | USB | (AB/ES) |
| S11a | 8800 | 5-5 | 1020 | Fri | 425/35 Vnimanaye 90023 36087 62184 ... 80995 61889 97302 Vnimanaye, rpt msg, konets | USB | (AB/ES/HFD) |
| S11a | 4870 | 5-5 | 1955 | Fri | 372/00 | USB | (HFD) |
| S11a | 4870 | 5-5 | 1955 | Fri | 372/00 | USB | (AB/MPJ/HFD) |
| S11a | 11092 | 6-5 | 1540 | Sat | 566/00 | USB | (ES/MPJ/HFD) |
| S11a | 10210 | 8-5 | 1015 | Mon | 479/00 | USB | (AB/MPJ) |
| S11a | 5149 | 9-5 | 0455 | Tue | 328/00 | USB | (AB) |
| S11a | 8530 | 9-5 | 0915 | Tue | 483/00 | USB | (AB) |
| S11a | 8800 | 9-5 | 1020 | Tue | 429/00 | USB | (MPJ) |
| S11a | 11092 | 10-5 | 1540 | Wed | 560/39 Vnimanaye 77942 17512 29682 ... 12226 86402 65580 Vnimanaye, rpt msg, konets | USB | (AB/GHn) |
| S11a | 12457 | 10-5 | 1850 | Wed | 282/32 Vnimanaye ... | USB | (Danix) |
| S11a | 4870 | 10-5 | 1955 | Wed | 371/00 | USB | (AB/MPJ) |
| S11a | 10210 | 11-5 | 1015 | Thu | 470/00 | USB | (AB/ES) |
| S11a | 5149 | 12-5 | 0455 | Fri | 326/00 | USB | (AB/ES) |
| S11a | 8530 | 12-5 | 0915 | Fri | 483/00 | USB | (AB/ES) |
| S11a | 8800 | 12-5 | 1020 | Fri | 420/00 | USB | (ES) |
| S11a | 4870 | 12-5 | 1955 | Fri | 373/00 | USB | (AB/MPJ) |
| S11a | 11092 | 13-5 | 1540 | Sat | 560/39 Vnimanaye 77942 17512 29682 ... 12226 86402 65580 Vnimanaye, rpt msg, konets | USB | (AB/MPJ/ES) |
| S11a | 12457 | 13-5 | 1850 | Sat | Message | USB | (AB) |
| S11a | 10210 | 15-5 | 1015 | Mon | 478/00 | USB | (MPJ) |

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|-------------|-------|------|------|-----|--|-----|-------------|
| S11a | 5149 | 16-5 | 0455 | Tue | 329/33 Vnimanaye 81273 78634 07866 ... 79195 07649 37201 Vnimanaye, rpt msg, konets | USB | (AB) |
| S11a | 8530 | 16-5 | 0915 | Tue | 485/00 | USB | (AB/ES) |
| S11a | 8800 | 16-5 | 1020 | Tue | 422/00 | USB | (AB/MPJ/ES) |
| S11a | 11092 | 17-5 | 1540 | Wed | 567/00 | USB | (GHn/MPJ) |
| S11a | 12457 | 17-5 | 1850 | Wed | 284/00 | USB | (AB/MPJ) |
| S11a | 4870 | 17-5 | 1955 | Wed | 373/00 | USB | (AB/MPJ) |
| S11a | 10210 | 18-5 | 1015 | Thu | 475/00 | USB | (AB/MPJ/ES) |
| S11a | 5149 | 19-5 | 0455 | Fri | 329/33 Vnimanaye 81273 78634 07866 ... 79195 07649 37201 Vnimanaye, rpt msg, konets | USB | (AB/ES) |
| S11a | 8530 | 19-5 | 0915 | Fri | 485/00 | USB | (AB/ES) |
| S11a | 8800 | 19-5 | 1020 | Fri | 429/00 | USB | (AB/ES) |
| S11a | 4870 | 19-5 | 1955 | Fri | 379/00 | USB | (AB/MPJ) |
| S11a | 11092 | 20-5 | 1540 | Sat | 565/00 | USB | (AB-AUT) |
| S11a | 12457 | 20-5 | 1850 | Sat | 284/00 | USB | (AB) |
| S11a | 10210 | 22-5 | 1015 | Mon | 470/32 Vnimanaye ... | USB | (AnEur) |
| S11a | 8530 | 23-5 | 0915 | Tue | 487/30 Vnimanaye ... | USB | (AnEur) |
| S11a | 8800 | 23-5 | 1020 | Tue | 424/00 | USB | (AnEur) |
| S11a | 12457 | 24-5 | 1850 | Wed | 383/00 | USB | (MPJ) |
| S11a | 4870 | 24-5 | 1955 | Wed | 271/38 Vnimanaye ... | USB | (GHn) |
| S11a | 11092 | 27-5 | 1540 | Sat | 566/00 | USB | (MPJ) |
| S11a | 12457 | 27-5 | 1850 | Sat | 281/00 | USB | (AnEur) |
| S11a | 10210 | 29-5 | 1015 | Mon | 479/00 | USB | (MPJ) |
| S28 | 4625 | 8-5 | 0745 | Mon | ZhUOZ 35719 KANADSKIJ 36873723 | USB | (Priyom) |
| S28 | 4625 | 8-5 | 1103 | Mon | ZhUOZ 97929 GLYeTOGRAB 21812574 Error (sboj) in reading | USB | (Priyom) |
| S28 | 4625 | 8-5 | 1144 | Mon | ZhUOZ 54984 ILOKYeDR 28570497 | USB | (Priyom) |
| S28 | 4625 | 8-5 | 1237 | Mon | ZhUOZ 87269 VSTRYaSKA 00920552 | USB | (Priyom) |
| S28 | 4625 | 8-5 | 1239 | Mon | ZhUOZ 53492 BYeLOShVYeJNYJ 11641964 | USB | (Priyom) |
| S28 | 4224 | 10-5 | 1520 | Wed | Channels separation failure resulted in leaking signal to 4224 kHz | USB | (Priyom) |
| S28 | 4625 | 18-5 | 1551 | Thu | ZhUOZ 02823 KRYeOLKA 83471416 CW signal interference due to bad channel separation | USB | (Priyom) |
| S28 | 4625 | 18-5 | 1720 | Thu | ZhUOZ 34803 KORZhOVNUK 71949081 CW signal interference due to bad channel separation | USB | (Priyom) |
| S28 | 4625 | 19-5 | 1721 | Fri | Buzzer channel marker | USB | (AB) |
| S28 | 4625 | 22-5 | 1533 | Mon | ZhUOZ 80985 BUKSOPSIH xxxxx | USB | (Priyom) |
| S28 | 4625 | 22-5 | 1552 | Mon | ZhUOZ 52443 DOKOChaYeK 24056452 | USB | (Priyom) |
| S30 | 3756 | 2-5 | 1847 | Tue | MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch | USB | (Priyom) |
| S30 | 3756 | 9-5 | 1745 | Tue | 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' | USB | (Priyom) |
| S30 | 5448 | 18-5 | 1717 | Thu | 8S1Shch 25588 KUSTOFARS 72588376. Time mark after the message | USB | (Priyom) |
| S30 | 5448 | 19-5 | 1706 | Fri | Pip channel marker, day freq | USB | (AB-RUS) |
| S30 | 3756 | 19-5 | 1734 | Fri | Pip channel marker, night freq | USB | (AB) |
| S32 | 3828 | 2-5 | 1747 | Tue | STOROZh-62 YaHTA-94 RUZh'E-26 KOVBOJ-39 LANDYSh-74 KURGAN-40 NYeVKA-26 ZASLONKA-27 | USB | (Priyom) |
| S32 | 3828 | 7-5 | 1842 | Sun | OTPOR-89 PYeSOChNYJ-21 ShULER-60 STUPA-32 L'DINA-38 BURKA-37 | USB | (Priyom) |
| S32 | 3828 | 9-5 | 1937 | Tue | OTPOR-89 PYeSOChNYJ-21 ShULER-60 STUPA-32 RYeZINA-38 BURKA-37 | USB | (Priyom) |
| S32 | 5411 | 19-5 | 1700 | Fri | Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz | USB | (AB-RUS) |

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|--------------|-------|------|------|-----|--|-----|-----------|
| S32 | 5432 | 19-5 | 1700 | Fri | Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz | USB | (AB-RUS) |
| S32 | 5452 | 19-5 | 1700 | Fri | Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz | USB | (AB-RUS) |
| S32 | 5473 | 19-5 | 1700 | Fri | Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz | USB | (AB-RUS) |
| S32 | 5494 | 19-5 | 1700 | Fri | Squeaky Wheel channel marker on 5411//5432//5452//5473//5494 kHz | USB | (AB-RUS) |
| S32 | 3828 | 19-5 | 1914 | Fri | Squeaky Wheel channel marker, night freq | USB | (AB) |
| S4524 | 4524 | 19-5 | 1732 | Fri | Dash channel marker | USB | (AB) |
| S5292 | 5292 | 18-5 | 0833 | Thu | 10-count | USB | (Priyom) |
| S5292 | 5292 | 18-5 | 0850 | Thu | 10-count | USB | (Priyom) |
| S5292 | 5292 | 19-5 | 1723 | Fri | Channel marker D | USB | (AB) |
| S6360 | 6360 | 7-5 | 1627 | Sun | Channel marker | USB | (MPJ) |
| S6360 | 6360 | 19-5 | 1724 | Fri | Channel marker | USB | (AB) |
| S6930 | 4224 | 10-5 | 1519 | Wed | 10-count | USB | (Priyom) |
| UM03 | 6203 | 1-5 | 1030 | Mon | 10-mins net: RVOX //7378 kHz | CW | (JPL-NZL) |
| UM03 | 7378 | 1-5 | 1030 | Mon | 10-mins net: RVOX //6203 kHz | CW | (JPL-NZL) |
| UM03 | 6203 | 1-5 | 1050 | Mon | 10-mins net: RVOX //7378 kHz | CW | (JPL-NZL) |
| UM03 | 7378 | 1-5 | 1050 | Mon | 10-mins net: RVOX //6203 kHz | CW | (JPL-NZL) |
| UM03 | 3568 | 1-5 | 1458 | Mon | 10-mins net: NZO6 //4065 kHz | CW | (JPL-NZL) |
| UM03 | 4065 | 1-5 | 1458 | Mon | 10-mins net: NZO6 //3568 kHz | CW | (JPL-NZL) |
| UM03 | 5840 | 1-5 | 1944 | Mon | 10-mins net: ZUBW //6954 kHz | CW | (JPL-NZL) |
| UM03 | 6954 | 1-5 | 1944 | Mon | 10-mins net: ZUNW //5840 kHz | CW | (JPL-NZL) |
| UM03 | 7920 | 8-5 | 0906 | Mon | X2M i.p. AR 13 13 CK 100 CK 100 TIME 1604 TIME 1604 DATE 0805 DATE 0805 = T3A7N D4U5A ... //8250//8410 kHz | CW | (JPL-NZL) |
| UM03 | 8250 | 8-5 | 0906 | Mon | X2M i.p. AR 13 13 CK 100 CK 100 TIME 1604 TIME 1604 DATE 0805 DATE 0805 = T3A7N D4U5A ... //7920//8410 kHz | CW | (JPL-NZL) |
| UM03 | 8410 | 8-5 | 0906 | Mon | X2M i.p. AR 13 13 CK 100 CK 100 TIME 1604 TIME 1604 DATE 0805 DATE 0805 = T3A7N D4U5A ... //7920//8250 kHz | CW | (JPL-NZL) |
| UM10 | 3315 | 1-5 | 1856 | Mon | 10-mins net: S3DN | CW | (F5JBR) |
| V07 | 13582 | 7-5 | 0500 | Sun | 511 505 45 92338 57150 96224 ... 58299 86666 57718 000 000 | USB | (Dan) |
| V07 | 12182 | 7-5 | 0520 | Sun | 511 505 45 92338 57150 96224 ... 58299 86666 57718 000 000 | USB | (Dan) |
| V07 | 11182 | 7-5 | 0540 | Sun | 511 505 45 92338 57150 96224 ... 58299 86666 57718 000 000 | USB | (Dan) |
| V07 | 13582 | 14-5 | 0500 | Sun | 511 511 511 000 | USB | (Token) |
| V07 | 12182 | 14-5 | 0520 | Sun | 511 511 511 000 | USB | (Token) |
| V07 | 13582 | 21-5 | 0500 | Sun | 511 511 511 000 | USB | (Token) |
| V07 | 12182 | 21-5 | 0520 | Sun | 511 511 511 000 | USB | (Token) |
| V07 | 13582 | 28-5 | 0500 | Sun | 511 511 511 000 | USB | (Dan) |
| V07 | 12182 | 28-5 | 0520 | Sun | 511 511 511 000 | USB | (Dan) |
| V13 | 11430 | 21-5 | 0610 | Sun | New Star i.p. | AM | (Nico) |
| V26 | 8073 | 1-5 | 1130 | Mon | Callup in Chinese. Male operator | USB | (JPL-NZL) |
| V26 | 9054 | 1-5 | 2357 | Mon | Messages in Chinese. Female operator | USB | (JPL-NZL) |
| V26 | 4364 | 2-5 | 0001 | Tue | Callup in Chinese. Male operator //8073 kHz | USB | (JPL-NZL) |
| V26 | 8073 | 2-5 | 0001 | Tue | Callup in Chinese. Male operator //4364 kHz | USB | (JPL-NZL) |
| V26 | 4364 | 2-5 | 0023 | Tue | Voice messages in Chinese. Male operator //8073 kHz | USB | (JPL-NZL) |
| V26 | 8073 | 2-5 | 0023 | Tue | Voice messages in Chinese. Male operator //4364 kHz | USB | (JPL-NZL) |
| V26 | 4243 | 5-5 | 1140 | Fri | Callup in Chinese. Female operator //9054 kHz | USB | (F5JBR) |

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|-------------|-------|------|------|-----|---|--------|-----------|
| V26 | 9054 | 5-5 | 1140 | Fri | Callup in Chinese. Female operator //4243 kHz | USB | (F5JBR) |
| V26 | 4243 | 5-5 | 1214 | Fri | Messages in Chinese. Female operator //9054 kHz | USB | (F5JBR) |
| V26 | 9054 | 5-5 | 1214 | Fri | Messages in Chinese. Female operator //4243 kHz | USB | (F5JBR) |
| V26 | 4243 | 8-5 | 1203 | Mon | Messages in Chinese. Female operator //9054 kHz | USB | (JPL-NZL) |
| V26 | 9054 | 8-5 | 1203 | Mon | Messages in Chinese. Female operator //4243 kHz | USB | (JPL-NZL) |
| V26 | 4243 | 21-5 | 1139 | Sun | Callup in Chinese. Female operator //9054 kHz | USB | (JPL-NZL) |
| V26 | 9054 | 21-5 | 1139 | Sun | Callup in Chinese. Female operator //4243 kHz | USB | (JPL-NZL) |
| V26 | 4243 | 21-5 | 1156 | Sun | Messages in Chinese. Female operator //9054 kHz | USB | (JPL-NZL) |
| V26 | 9054 | 21-5 | 1156 | Sun | Messages in Chinese. Female operator //4243 kHz | USB | (JPL-NZL) |
| V26 | 9054 | 27-5 | 0931 | Sat | Messages in Chinese. Female operator | USB | (JPL-NZL) |
| V26 | 8073 | 31-5 | 0034 | Wed | Mesages in Chinese. Male operator | USB | (JPL-CHN) |
| V28 | 3272 | 18-5 | 0937 | Thu | Messages in Korean | AM | (Kimi) |
| V28 | 3277 | 21-5 | 0938 | Sun | Messages in Korean | AM | (Kimi) |
| V28 | 3277 | 21-5 | 1035 | Sun | Messages in Korean | AM | (RonC) |
| V28 | 3277 | 22-5 | 0937 | Mon | Messages in Korean | AM | (Kimi) |
| X06 | 14615 | 2-5 | 0803 | Tue | Mazielka. Sequence: 125643 | MFSK-6 | (Danix) |
| X06 | 15836 | 2-5 | 0803 | Tue | Mazielka. Sequence: 165423 | MFSK-6 | (ES) |
| X06 | 14358 | 2-5 | 0830 | Tue | Mazielka. Sequence: 154263 | MFSK-6 | (ES) |
| X06 | 16188 | 2-5 | 1202 | Tue | Mazielka. Sequence: 325614 | MFSK-6 | (ES) |
| X06 | 16184 | 2-5 | 1203 | Tue | Mazielka. Sequence: 325614 | MFSK-6 | (HFD) |
| X06 | 16219 | 5-5 | 0834 | Fri | Mazielka. Sequence: 324615 | MFSK-6 | (ES) |
| X06 | 14550 | 11-5 | 0833 | Thu | Mazielka. Sequence: 153624 | MFSK-6 | (ES) |
| X06 | 14863 | 12-5 | 1400 | Fri | Mazielka. Sequence: | MFSK-6 | (ES) |
| X06 | 14538 | 14-5 | 1900 | Sun | Maziela. Sequence 145632 before XPA2 | MFSK-6 | (Dan) |
| X06 | 14615 | 16-5 | 0831 | Tue | Mazielka i.p. Sequence: 125643. Ends at 0834 UTC | MFSK-6 | (AB/ES) |
| X06 | 14615 | 16-5 | 0835 | Tue | Mazielka. Sequence: 154263 sent 1x then off | MFSK-6 | (AB) |
| X06 | 14650 | 17-5 | 1107 | Wed | Mazielka. Sequence: 215346 | MFSK-6 | (ES) |
| X06 | 16219 | 19-5 | 0826 | Fri | Mazielka. Sequence: 324615 | MFSK-6 | (AB) |
| X06 | 14812 | 25-5 | 1405 | Thu | Mazielka. Sequence: 263145 | MFSK-6 | (Danix) |
| X06a | 14828 | 5-5 | 1813 | Fri | Mazielka. Sequence: 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 17462 | 5-5 | 1819 | Fri | Mazielka. Sequence: 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 17462 | 14-5 | 1812 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 14828 | 14-5 | 1813 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 14828 | 14-5 | 1814 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 14828 | 14-5 | 1816 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 14828 | 14-5 | 1818 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 17462 | 14-5 | 1818 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06a | 17462 | 14-5 | 1819 | Sun | Maziela. Sequence 343434 before XPA2 | MFSK-6 | (Dan) |
| X06b | 13320 | 2-5 | 0736 | Tue | Mazielka. Sequence: 1--6-- Ends at 0740 UTC | MFSK-6 | (Danix) |
| X06b | 12157 | 2-5 | 0809 | Tue | Mazielka. Sequence: 1--6-- Ends at 0821 UTC | MFSK-6 | (Danix) |
| X06b | 18320 | 2-5 | 0813 | Tue | Mazielka. Sequence: 1--6-- Ends at 0820 UTC | MFSK-6 | (Danix) |
| X06b | 14320 | 2-5 | 1108 | Tue | Mazielka. Sequence: 1--6-- | MFSK-6 | (HFD) |
| X06b | 13850 | 12-5 | 1202 | Fri | Mazielka. Sequence: 1--6-- | MFSK-6 | (ES) |
| X06b | 13538 | 14-5 | 1914 | Sun | Maziela. Sequence 1--6-- | MFSK-6 | (Dan) |

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|-------------|-------|------|------|-----|--|--------------|----------|
| X06b | 14538 | 14-5 | 1915 | Sun | Maziela. Sequence 1--6-- | MFSK-6 | (Dan) |
| X06b | 13538 | 14-5 | 1917 | Sun | Maziela. Sequence 1--6-- | MFSK-6 | (Dan) |
| X06b | 14538 | 14-5 | 1918 | Sun | Maziela. Sequence 1--6-- | MFSK-6 | (Dan) |
| X06b | 18790 | 15-5 | 1116 | Mon | Mazielka i.p. Sequence: 1--6--, ends at 1236 UTC | MFSK-6 | (AB) |
| X06b | 13538 | 16-5 | 1847 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 14538 | 16-5 | 1848 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 14538 | 16-5 | 1848 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (tING) |
| X06b | 14538 | 16-5 | 1854 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (tING) |
| X06b | 14538 | 16-5 | 1856 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 13538 | 16-5 | 1857 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 14538 | 16-5 | 1857 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (tING) |
| X06b | 14538 | 16-5 | 1858 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 13538 | 23-5 | 1857 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 14538 | 23-5 | 1857 | Tue | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1810 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 17462 | 26-5 | 1811 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 17462 | 26-5 | 1814 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1817 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 17462 | 26-5 | 1818 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1915 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1917 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1918 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| X06b | 16114 | 26-5 | 1930 | Fri | Mazielka. Sequence: 1--6-- before XPA2 | MFSK-6 | (Dan) |
| XPA | 10868 | 3-5 | 0600 | Wed | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 12168 | 3-5 | 0620 | Wed | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 13368 | 3-5 | 0640 | Wed | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 10868 | 6-5 | 0600 | Sat | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB) |
| XPA | 12168 | 6-5 | 0620 | Sat | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB) |
| XPA | 13368 | 6-5 | 0640 | Sat | 813 1 06211 00063 74307 ... 15263 04541 01011 | MFSK-20/10Bd | (AB) |
| XPA | 10868 | 10-5 | 0600 | Wed | 813 813 813 000 08543 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 10868 | 10-5 | 0600 | Wed | 813 1 02086 00131 86843 ... 56062 72010 17013 | MFSK-20/10Bd | (AB) |
| XPA | 12168 | 10-5 | 0620 | Wed | 813 813 813 000 08543 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 13368 | 10-5 | 0640 | Wed | 813 813 813 000 08543 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 10868 | 13-5 | 0600 | Sat | 813 813 813 000 03688 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 12168 | 13-5 | 0620 | Sat | 813 813 813 000 03688 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 13368 | 13-5 | 0640 | Sat | 813 813 813 000 03688 00001 00000 10140 | MFSK-20/10Bd | (AB) |
| XPA | 10868 | 17-5 | 0600 | Wed | 813 1 02086 00131 86843 ... 56062 72010 17013 | MFSK-20/10Bd | (AB) |
| XPA | 12168 | 17-5 | 0620 | Wed | 813 1 02086 00131 86843 ... 56062 72010 17013 | MFSK-20/10Bd | (AB) |
| XPA | 13368 | 17-5 | 0640 | Wed | 813 1 02086 00131 86843 ... 56062 | MFSK-20/10Bd | (AB) |

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| | | | | | 72010 17013 | | |
| XPA | 12168 | 20-5 | 0620 | Sat | 813 1 02086 00131 86843 ... 56062 | MFSK-20/10Bd | (AB) |
| | | | | | 72010 17013 | | |
| XPA | 13368 | 20-5 | 0640 | Sat | 813 1 02086 00131 86843 ... 56062 | MFSK-20/10Bd | (AB) |
| | | | | | 72010 17013 | | |
| XPA2 | 19667 | 2-5 | 0700 | Tue | 02425 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 18767 | 2-5 | 0720 | Tue | 02425 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 17467 | 2-5 | 0740 | Tue | 02425 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 14538 | 2-5 | 2000 | Tue | 05928 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/RL/HF D) |
| XPA2 | 13538 | 2-5 | 2020 | Tue | 05928 00001 00000 10140 | MFSK-16/20Bd | (AB/RL/HFD) |
| XPA2 | 12138 | 2-5 | 2040 | Tue | 05928 00001 00000 10140 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 19667 | 5-5 | 0700 | Fri | 08636 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 18767 | 5-5 | 0720 | Fri | 08636 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 17467 | 5-5 | 0740 | Fri | 08636 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 16314 | 5-5 | 1500 | Fri | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (AB/RL) |
| | | | | | 33617 | | |
| XPA2 | 15814 | 5-5 | 1520 | Fri | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (AB) |
| | | | | | 33617 | | |
| XPA2 | 14514 | 5-5 | 1540 | Fri | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (ABMPJ) |
| | | | | | 33617 | | |
| XPA2 | 17462 | 5-5 | 1900 | Fri | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (AB/RL/Dan/HF D) |
| | | | | | 10154 | | |
| XPA2 | 16114 | 5-5 | 1920 | Fri | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (AB/RL/Dan/HF D) |
| | | | | | 10154 | | |
| XPA2 | 14828 | 5-5 | 1940 | Fri | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (AB/MPJ/Dan/HFD) |
| | | | | | 10154 | | |
| XPA2 | 17462 | 6-5 | 1900 | Sat | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (AB) |
| | | | | | 10154 | | |
| XPA2 | 16114 | 6-5 | 1920 | Sat | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (RL) |
| | | | | | 10154 | | |
| XPA2 | 14828 | 6-5 | 1940 | Sat | 09288 00059 13812 ... 61998 19980 | MFSK-16/20Bd | (RL) |
| | | | | | 10154 | | |
| XPA2 | 16314 | 7-5 | 1500 | Sun | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (AB) |
| | | | | | 33617 | | |
| XPA2 | 15814 | 7-5 | 1520 | Sun | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (AB) |
| | | | | | 33617 | | |
| XPA2 | 14514 | 7-5 | 1540 | Sun | 01045 00083 35541 ... 31149 72009 | MFSK-16/20Bd | (AB/MPJ) |
| | | | | | 33617 | | |
| XPA2 | 14538 | 7-5 | 2000 | Sun | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/MPJ/RL/HF D) |
| | | | | | 44422 | | |
| XPA2 | 13528 | 7-5 | 2020 | Sun | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/HFD) |
| | | | | | 44422 | | |
| XPA2 | 12138 | 7-5 | 2040 | Sun | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/HFD) |
| | | | | | 44422 | | |
| XPA2 | 19667 | 9-5 | 0700 | Tue | 03193 00061 99423 ... 57086 37147 | MFSK-16/20Bd | (AB-RUS) |
| | | | | | 36512 | | |
| XPA2 | 18767 | 9-5 | 0720 | Tue | 03193 00061 99423 ... 57086 37147 | MFSK-16/20Bd | (AB-RUS) |
| | | | | | 36512 | | |
| XPA2 | 17467 | 9-5 | 0740 | Tue | 03193 00061 99423 ... 57086 37147 | MFSK-16/20Bd | (AB-UKR) |
| | | | | | 36512 | | |
| XPA2 | 14538 | 9-5 | 2000 | Tue | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/MPJ) |
| | | | | | 44422 | | |
| XPA2 | 13528 | 9-5 | 2020 | Tue | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/MPJ) |
| | | | | | 44422 | | |
| XPA2 | 12138 | 9-5 | 2040 | Tue | 08880 00049 26075 ... 66825 95606 | MFSK-16/20Bd | (AB/MPJ) |
| | | | | | 44422 | | |
| XPA2 | 19667 | 12-5 | 0700 | Fri | 01820 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 18767 | 12-5 | 0720 | Fri | 01820 00001 00000 10140 | MFSK-16/20Bd | (AB-UKR) |
| XPA2 | 17467 | 12-5 | 0740 | Fri | 01820 00001 00000 10140 | MFSK-16/20Bd | (AB-UKR) |

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|------|-------|------|------|-----|--|--------------|-----------------|
| XPA2 | 16314 | 12-5 | 1500 | Fri | 04592 00001 00000 10140 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 15814 | 12-5 | 1520 | Fri | 04592 00001 00000 10140 | MFSK-16/20Bd | (AB/GHn/MPJ) |
| XPA2 | 14514 | 12-5 | 1540 | Fri | 04592 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 17462 | 12-5 | 1900 | Fri | 07331 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 16114 | 12-5 | 1920 | Fri | 07331 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 14828 | 12-5 | 1940 | Fri | 07331 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 17462 | 13-5 | 1900 | Sat | 06097 00001 00000 10140 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 16114 | 13-5 | 1920 | Sat | 06097 00001 00000 10140 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 14828 | 13-5 | 1940 | Sat | 06097 00001 00000 10140 | MFSK-16/20Bd | (AB) |
| XPA2 | 16314 | 14-5 | 1500 | Sun | 09457 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 15814 | 14-5 | 1520 | Sun | 09457 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 14514 | 14-5 | 1540 | Sun | 09457 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 14538 | 14-5 | 2000 | Sun | 03328 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 13528 | 14-5 | 2020 | Sun | 03328 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 12138 | 14-5 | 2040 | Sun | 03328 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 19667 | 16-5 | 0700 | Tue | 04500 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 18767 | 16-5 | 0720 | Tue | 04500 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 17467 | 16-5 | 0740 | Tue | 04500 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 14538 | 16-5 | 2000 | Tue | 05753 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 13528 | 16-5 | 2020 | Tue | 05753 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 12138 | 16-5 | 2040 | Tue | 05753 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 19667 | 19-5 | 0700 | Fri | 02746 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG/SP1) |
| XPA2 | 18767 | 19-5 | 0720 | Fri | 02746 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 17467 | 19-5 | 0740 | Fri | 02746 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 16314 | 19-5 | 1500 | Fri | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 15814 | 19-5 | 1520 | Fri | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14514 | 19-5 | 1540 | Fri | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (AB/dmhz/MPJ) |
| XPA2 | 17462 | 19-5 | 1900 | Fri | 01116 00001 00000 10140 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 16114 | 19-5 | 1920 | Fri | 01116 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14828 | 19-5 | 1940 | Fri | 01116 00001 00000 10140 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 17462 | 20-5 | 1900 | Sat | 02241 00001 00000 10140 | MFSK-16/20Bd | (AB-HNG) |
| XPA2 | 16114 | 20-5 | 1920 | Sat | 02241 00001 00000 10140 | MFSK-16/20Bd | (AB) |
| XPA2 | 14828 | 20-5 | 1940 | Sat | 02241 00001 00000 10140 | MFSK-16/20Bd | (AB) |
| XPA2 | 16314 | 21-5 | 1500 | Sun | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (Dan/GHn/MPJ) |
| XPA2 | 15814 | 21-5 | 1520 | Sun | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (Dan/MPJ/RL) |
| XPA2 | 14514 | 21-5 | 1540 | Sun | 03098 00207 56218 ... 01931 15516 20325 | MFSK-16/20Bd | (Dan/MPJ) |
| XPA2 | 14538 | 21-5 | 2000 | Sun | 07143 00001 00000 10140 | MFSK-16/20Bd | (Dan/MPJ) |
| XPA2 | 13538 | 21-5 | 2020 | Sun | 07143 00001 00000 10140 | MFSK-16/20Bd | (Dan) |
| XPA2 | 12138 | 21-5 | 2040 | Sun | 07143 00001 00000 10140 | MFSK-16/20Bd | (Dan) |
| XPA2 | 19667 | 23-5 | 0700 | Tue | Message | MFSK-16/20Bd | (HFD) |
| XPA2 | 18767 | 23-5 | 0720 | Tue | Message | MFSK-16/20Bd | (HFD) |
| XPA2 | 17467 | 23-5 | 0740 | Tue | Message | MFSK-16/20Bd | (HFD) |
| XPA2 | 12138 | 23-5 | 2000 | Tue | 05435 00001 00000 10140 | MFSK-16/20Bd | (Dan) |
| XPA2 | 14538 | 23-5 | 2000 | Tue | 05435 00001 00000 10140 | MFSK-16/20Bd | (Dan/MPJ) |
| XPA2 | 13538 | 23-5 | 2040 | Tue | 05435 00001 00000 10140 | MFSK-16/20Bd | (Dan) |
| XPA2 | 17462 | 26-5 | 1900 | Fri | 09567 00103 18024 ... 02971 62320 00142 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 16114 | 26-5 | 1920 | Fri | 09567 00103 18024 ... 02971 62320 00142 | MFSK-16/20Bd | (AB/Dan/MPJ) |
| XPA2 | 14828 | 26-5 | 1940 | Fri | 09567 00103 18024 ... 02971 62320 00142 | MFSK-16/20Bd | (AB/RL/Dan/MPJ) |
| XPA2 | 17462 | 27-5 | 1900 | Sat | 08071 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |
| XPA2 | 16114 | 27-5 | 1920 | Sat | 08071 00001 00000 10140 | MFSK-16/20Bd | (AB/GHn/Dan) |
| XPA2 | 14828 | 27-5 | 1940 | Sat | 08071 00001 00000 10140 | MFSK-16/20Bd | (AB/Dan) |

| | | | | | | | |
|-------------|-------|------|------|-----|---|--------------|------------|
| XPA2 | 14514 | 28-5 | 1540 | Sun | 01556 00233 40833 ... 82742 61366 27660 9 stops, transmitter off | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14538 | 28-5 | 2000 | Sun | 09065 00065 75947 ... 10302 40820 37075 | MFSK-16/20Bd | (Dan) |
| XPA2 | 13538 | 28-5 | 2020 | Sun | 09065 00065 75947 ... 10302 40820 37075 | MFSK-16/20Bd | (Dan/dmhz) |
| XPA2 | 12138 | 28-5 | 2040 | Sun | 09065 00065 75947 ... 10302 40820 37075 | MFSK-16/20Bd | (Dan) |

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| | | | |
|-----------|--|---------|--|
| AB | Ary Boender, Netherlands | ES-UKR | Edward Smith via remote rx Ukraine |
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| AB-GRC | Ary Boender via remote rx Greece | F5JBR | F5JBR André, France |
| AB-HNG | Ary Boender via remote rx Hungary | GHn | Gary Hagermann, UK |
| AB-J | Ary Boender via remote rx Japan | HFD | Hans-Friedrich Dumrese, Germany |
| AB-NZL | Ary Boender via remote rx New Zealand | JPL | JPL, Ontario, Canada (and various remotes) |
| AB-POL | Ary Boender via remorx Poland | JPL-CHN | JPL via remote rx China |
| AB-RUS | Ary Boender via remote rx Russia | JPL-NZL | JPL via remote rx New Zealand |
| AB-S | Ary Boender via remote rx Sweden | K5BDL | K5BDL, USA |
| AB-UKR | Ary Boender via remote rx Ukraine | Kimi | Kimi, Japan |
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423 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
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