

6	27364	92836	89428	61208	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
1	87364	87265	96710	27630	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	40
43	86743	86743	39867	32867	86743	43286	43286	43243	86
18	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	8
10	87698	69876	87698	69876	87612	12341	34867	86798	6
	43298	65656	56756	56123	32143	14321	32143	14321	30
	58765	58765	76587	58765	76587	58765	76587	58756	2

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #239, August 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.



FOREWORD

New designator, assigned by Priyom:

F03 Unid User (Polish Intel?) - USB AFSK 400Bd/960Hz ACF=0
See the F03 section for the logs.

The designator file has been updated accordingly: <http://www.numbersoddities.nl/N&O-v11.pdf>

VOICE STATIONS

E06

13540 kHz, 03-08/04-08, 0500 UTC / 16115 kHz, 03-08/04-08, 0600 UTC

210 689 54
24513 60331 60706 87942 86675 06729 32242 52476 74134 95628
47940 52873 15244 44746 51134 55610 56403 56179 77778 42770
94625 22969 07999 64575 03943 04903 63845 21874 16602 78234
76666 96775 44986 89027 72554 73619 55187 64791 49288 17451
28186 64112 43226 02225 69558 68953 09572 05882 53662 49323
64455 14526 13233 54992
689 54 00000

5935 kHz, 03-08, 2030 UTC

724 149 52
12265 10965 47839 38654 84677 93453 72217 84393 04673 97564
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234
05124 95732
149 52 00000
Windows shut down sound

5731 kHz, 04-08/18-08, 2130 UTC

315 149 52
12265 10965 47839 38654 84677 93453 72217 84393 04673 97564
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234
05124 95732
149 52 00000
Windows shutdown sound

14648 kHz, 10-08, 0300 UTC

361 489 35
46272 15535 64442 99604 41848 76744 52282 73443 12646 80855
33902 39113 90074 19560 15981 46095 76985 59330 66989 92293
15607 45861 03151 72563 23942 74796 85818 84370 17807 30674
59971 39014 60705 45041 88511
489 35 00000

16153/14438 kHz, 12-08/13-08, 1100/1200 UTC. E06 sent instead of F06

832 951 64
20569 49088 95903 40530 87636 33693 50196 63673 25784 90174
73902 82228 04528 81466 62688 57893 42379 75459 91974 77803
17205 55633 03969 65030 19384 64971 61026 09456 53927 48446
96655 73524 47711 59140 10130 66081 65559 19454 28778 16100
66506 40436 92081 61147 48040 06892 33512 55823 50351 29084
44672 68089 36983 08560 95496 08042 53708 87576 91893 09502
98187 98088 85277 13623
951 64 00000

13540 /16115 kHz, 17-08/18-08, 0500/0600 UTC

210 849 53
00678 85806 78748 94507 26455 66269 62673 40849 85005 59583
63579 74780 90228 06405 15582 96048 61729 84136 77544 33222
88611 44616 15273 23420 71875 44873 49049 18703 00121 44390
33673 55060 38239 67297 63221 44938 33774 52960 17692 69227
70658 43371 93741 49676 24986 80798 86680 27641 02537 14135
15935 60124 62717
849 53 00000

E07

9064/10264/11464 kHz, 05-08/06-08/12-08/13-08, 0600/0620/0640 UTC

Note: 13-08, 0600 UTC started on 9066 kHz, then switched to 9064 kHz

024 024 024 1 533 47 533 47
41959 25950 28142 26801 78261 18058 26754 65003 16632 82143
53893 24341 39152 45601 20897 26089 81661 86987 90650 86915
86433 84297 59999 05848 14770 12645 88666 20496 60118 43512
91550 06622 41658 99618 38253 72976 74852 21848 56244 82993
30849 52308 35316 34545 32850 62317 32632
000 000

13881/12181/10881 kHz, 06-08/09-08/13-08/16-08, 1700/1720/1740 UTC

Notes:

06-08, 1700 UTC, stopped after 3 minutes and restarted with 818 818 818 1 then 13367 11267 17267 missing out the first group.

09-08, 1700 UTC, stopped after 6 minutes. The carrier comes back but they do not restart the message.

818 818 818 1 765 60 765 60
12255 13367 01267 17267 97962 21136 96829 74550 31355 83573
79644 75279 93582 52862 76178 81537 21784 20353 93248 94515
32560 03708 82849 77201 59963 78872 38049 26919 54356 43187
04748 02088 07867 85558 27783 10340 18867 18848 45932 31497
33432 64614 47638 23119 62206 24845 58449 73280 10201 08064
44872 42504 08622 26845 88988 51123 08585 21709 39345 48831
000 000

16147/14647/13447 kHz, 07-08/09-08/14-08/16-08/21-08/23-08/28-08/30-08, 1900/1920/1940 UTC

164 164 164 1 678 83 678 83
50183 98199 52060 27839 62809 32794 00144 95518 39123 62895
01175 14945 83584 90212 39710 16717 92883 86227 85297 00351
16562 79124 97565 91766 59936 63114 83975 89250 45480 49992
09720 10046 25845 58587 63693 43661 12331 13242 83385 22369
98201 23872 91876 79947 26444 16401 24356 82452 51350 29669
58506 18605 59270 04509 62286 94192 12581 41695 71040 77126
87446 63966 44792 56311 84005 31688 51312 03013 81675 16612
34886 49676 58558 29473 82140 82148 34400 13979 71929 84893
18042 30120 42185
000 000

10753/9147/7637 kHz, 10-08, 2010/2030/2050 UTC

716 716 716 1 716 58 716 58
09399 27874 93783 04596 03325 48227 03857 44790 17345 37753
96629 21613 58962 37363 34768 91729 13842 21658 49359 56853
51387 74533 25686 56746 03906 20774 96945 50458 13932 45893
81826 24843 41909 62523 46385 81376 11498 31151 87124 57277
33091 64276 32714 22555 18133 93025 66447 02762 98201 72526
13939 29949 26842 77637 57674 50338 05992 75274
000 000

9064/10264/11464 kHz, 19-08/20-08/26-08/27-08, 0600/0620/0640 UTC

024 024 024 1 435 38 435 38
05668 60566 03865 03971 43302 80274 53480 00052 46210 76385
44609 23491 92850 05205 88833 25758 43032 52221 19475 71468
80859 55317 41585 42785 88254 39300 08988 72259 75886 76450
33277 10460 05614 93914 21112 11591 93179 47811
000 000

13881/12181/10881 kHz, 20-08/23-08/27-08/30-08, 1700/1720/1740 UTC. Two messages

818 818 818 2 498 64 498 64
93625 09965 45563 29413 38749 26774 28144 49480 66224 61910
69704 36962 72460 70195 82970 28588 02726 63300 96863 09937
13268 63725 64398 97705 46103 85735 13146 62964 70284 39247
40690 13632 93714 32863 45181 24099 85110 34284 45094 73749
29790 50584 29592 27986 44625 39588 33372 15535 22457 51465
05207 52132 50317 52694 94093 45872 13897 78894 95720 24949
34675 60958 90090 63363

818 818 818 2 381 28 381 28
90874 32960 34752 53056 30357 82035 76371 17559 47706 75340
02342 48750 42259 95680 18347 38440 48360 73496 49122 16490
58199 29452 51969 92242 48002 99897 49852 99913
000 000

20146/18246/16346 kHz, 22-08/25-08, 1100/1120/1140 UTC

123 123 123 1 9615 84 9615 84
70863 80984 66536 97505 54529 78866 58769 17780 26904 89944
50356 52968 52451 37999 90378 45542 76768 18419 76496 24027
72611 52006 39025 60673 42202 04189 90118 56226 60806 27096
42347 01403 22272 23302 81529 83494 73386 56465 94049 46880
27506 91872 35180 06439 82836 37663 48221 24825 72460 99032
11722 51169 82488 06031 24943 61818 24940 84135 22647 46766
79764 47137 13275 89612 64990 20232 91464 04957 64753 63541
47408 80232 55768 24109 98270 20101 13295 87033 91767 69523
32331 36411 84813 27855
000 000

E11a

15825 kHz, 01-08, 1345 UTC

915/38 Attention
55797 11344 91556 97020 31782 27450 92759 69413 25911 09190
30026 67438 83932 25273 45178 24024 56907 43769 88838 12422
36573 86572 67981 77492 99955 01267 86804 21144 10522 13421
06331 17303 55449 98506 61929 85314 41427 56026
Attention, rpt msg, out

13424 kHz, 03-08, 0645 UTC

517/36 Attention

17190 25981 50177 33106 98475 77199 65963 13257 85866 09537
91799 03915 13938 00060 34211 32879 76402 33585 18724 34250
94477 62904 59657 09776 62268 25906 77636 11443 43083 20358
87249 48742 33780 87018 14377 81846

Attention, rpt msg, out

14865 kHz, 02-08/05-08, 1705 UTC

399/31 Attention

62057 02671 21008 91762 15434 45996 47584 42693 85188 28542
90817 07055 29945 69238 32172 71323 11063 83584 93370 71814
49343 29483 24171 87419 71334 57136 19225 36555 65225 79551
99007

Attention, rpt msg, out

7984 kHz, 05-08, 1730 UTC

404/37 Attention

86103 54352 41904 95476 10512 33158 42023 70654 05784 91996
27674 20202 13434 19081 16791 06379 14321 72129 30333 87299
69963 19172 00943 12903 68761 23770 46573 66783 63597 33946
34373 23231 06562 09818 95216 85775 23656

Attention, rpt msg, out

9070 kHz, 06-08, 0805 UTC, CW: Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11

9079 kHz, 06-08, 0805 UTC: 313/00

14410 kHz, 07-08, 1745 UTC

240/33 Attention

38121 65376 88020 80387 49794 18472 05201 66834 80138 09222
62246 86218 01934 15099 10221 94837 62542 39275 14045 64473
21661 11928 81339 80175 75521 39595 01794 24182 80835 98021
75634 18973 11929

Attention, rpt msg, out

12202 kHz, 08-08/10-08, 0845 UTC

157/26 Attention

00580 10809 19873 07285 85809 75481 76872 55164 89848 64583
18421 48479 75584 59647 54604 01232 31404 43991 63432 26356
99747 84775 82936 28916 57290 24671

Attention, rpt msg, out

12397 kHz, 08-08/11-08, 1000 UTC

305/34 Attention

43756 48393 78613 09985 76093 08648 16674 15931 75216 99621
39260 06042 03546 58310 96446 93749 04810 18319 13333 77564
93135 76155 97036 91210 35048 99158 39135 65722 44892 61973
30275 05937 32149 02763

Attention, rpt msg, out

6304 kHz, 10-08, 0930 UTC

279/39 Attention

13017 29201 67948 06811 32489 67340 13381 45655 07477 05813
12546 27331 68249 33066 88158 32174 81476 02823 79248 16482
54827 60499 85183 49683 50181 37275 33910 02566 12515 69094
39326 62892 28457 92353 23938 31588 93340 38954 97872

Attention, rpt msg, out

6480 kHz, 12-08/13-08, 0710 UTC

490/40 Attention

02103 63749 97593 05631 29239 71145 63595 58760 02977 38382
71881 04820 67615 47400 72246 66436 96270 64131 00349 96404
20227 10327 38390 30629 80211 65065 90829 14204 41779 83370
21995 04370 40643 40218 70630 12829 04008 63887 18862 80512

Attention, rpt msg, out

9070 kHz, 13-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11
E11a was a repeat of yesterday's transmission. 9070 kHz was not on the air on 12-08.

9079 kHz, 12-08/13-08, 0805 UTC

313/39 Attention

65599 04518 70350 16887 88189 27357 07251 52160 61306 50619
12059 92739 62584 20715 78990 53691 21974 34995 07790 22179
94376 17406 43244 27888 19965 47869 83735 03372 95009 87332
46196 12262 14856 69790 47824 41031 45434 50727 59525

Attention, rpt msg, out

9610 kHz, 14-08, 0745 UTC

261/31 Attention

97828 29880 81951 32455 68422 20775 88300 03844 68117 47822
66103 30388 73806 14491 19133 49364 41150 23935 39788 12135
88442 49663 15739 71509 52843 14378 92789 60048 19442 88488
41717

Attention, rpt msg, out

13911 kHz, 15-08, 0820 UTC

130/34 Attention

18379 34157 32095 71192 11334 03005 62771 62683 17535 72193
67836 58021 66045 99762 72318 43345 51677 37851 26541 56799
37954 94285 06194 11828 73756 14845 11922 24218 93317 66912
01306 52951 03557 12168

Attention, rpt msg, out

13873 kHz, 15-08, 1045 UTC and 8530 kHz, 18-08, 2000 UTC

570/37 Attention

30320 46005 73223 66479 98264 90525 59407 04846 11235 20823
15969 28189 32586 94594 64524 75466 96754 32267 51092 89242
93245 89604 83049 25489 73358 01126 43942 25136 20140 09699
67553 72356 57221 36935 66749 29638 97429

Attention, rpt msg, out

4783 kHz, 15-08, 1605 UTC

233/39 Attention

01699 28994 63925 46298 86397 25390 86790 06698 87509 45465
23571 69686 34897 47876 44503 51650 12117 19057 50037 04853
98075 45688 28424 85186 26462 21836 61363 45518 84160 58685
76463 45563 03699 99994 05261 84025 90283 35525 14129

Attention, rpt msg, out

15720 kHz, 16-08/18-08, 0745 UTC

346/32 Attention

82907 27139 98853 99106 35306 00404 47562 75705 06970 24387
94678 50374 06998 73509 55276 92406 76568 65630 63185 00624
50144 85182 18348 75963 96590 20579 75682 43365 48172 61256
79026 44452

Attention, rpt msg, out

10356 kHz, 17-08, 1530 UTC

261/31 Attention

97828 29880 81951 32455 68422 20775 88300 03844 68117 47822
66103 30388 73806 14491 19133 49364 41150 23935 39788 12135
88442 49663 15739 71509 52843 14378 92789 60048 19442 88488
41717

Attention, rpt msg, out

14940 kHz, 18-08/20-08, 1650 UTC

924/32 Attention

20125 29471 29569 49586 79892 14607 03552 87353 20165 95864
52901 64401 74270 04982 23428 43423 57362 06373 79726 37364
33068 25308 75842 08090 88032 60187 93396 82447 83747 17458
04519 36855

Attention, rpt msg, out

9610 kHz, 18-08/20-08, 1910 UTC

617/36 Attention

03315 46209 69950 17171 76606 66567 96921 22372 63909 03042
08998 94174 16838 76807 40919 66418 08736 47858 90338 77291
18392 61440 66183 65152 13862 29953 27430 60891 58875 09045
11751 78248 26256 88600 75517 13995

Attention, rpt msg, out

9070 kHz, 20-08, 0805 UTC, CW: Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11

9079 kHz, 20-08, 0805 UTC: 315/00

4783 kHz, 20-08, 1605 UTC

233/39 Attention

01699 28994 63925 46298 86397 25390 86790 06698 87509 45465
23571 69686 34897 47876 44503 51650 12117 19057 50037 04853
98075 45688 28424 85186 26462 21836 61363 45518 84160 58685
76463 45563 03699 99994 05261 84025 90283 35525 14129

Attention, rpt msg, out

7600 kHz, 21-08/24-08, 0530 UTC

643/34 Attention

89918 04618 54354 03855 27746 16161 01549 00107 67558 97191
26870 16127 27124 55808 78466 08600 02828 97134 62479 76890
52806 11306 75381 32862 69781 30846 43576 08132 84155 53806
92963 74301 30341 22947

Attention, rpt msg, out

15800 kHz, 21-08/25-08, 0600 UTC

182/38 Attention

93155 92092 19541 77103 39235 03668 41333 63402 09288 88773
40355 98696 95968 55321 51229 93864 44793 10573 18431 08703
57281 34677 05324 71690 54790 74857 05079 70073 83407 72445
06561 69884 05931 12380 75839 77594 55159 71663

Attention, rpt msg, out

15800 kHz, 21-08, 0640 UTC

945/29 Attention

62350 41898 05571 64652 60437 23521 11852 86112 55229 31887
04602 32681 57610 50886 95356 49940 68768 18076 32650 20122
08343 96356 48691 39937 75912 65596 42165 13710 48130

Attention, rpt msg, out

13427 kHz, 21-08/23-08, 0900 UTC

530/31 Attention

03991 90740 33811 29086 67365 23459 74249 70699 78995 55148
11414 30974 32273 01764 28918 61308 81610 27418 96143 29913
05132 81167 42299 53713 09534 11264 31273 24334 16331 74491
66261

Attention, rpt msg, out

10429 kHz, 22-08/25-08, 0710 UTC

633/37 Attention

78402 00871 12307 60758 49517 93616 19206 50293 33632 17605
70324 82215 46082 16885 73377 08728 23977 82036 67245 39614
43565 16283 42473 97183 88241 44438 71548 49393 12660 01451
52413 94817 27728 46652 38577 20138 68201

Attention, rpt msg, out

6304 kHz, 22-08/23-08, 1205 UTC

461/37 Attention

22135 10961 69837 73728 36747 20865 59799 80514 05819 40187
80813 61669 56645 11337 05954 92756 51587 30924 45931 48956
07385 76044 92020 44918 10817 28945 35321 48229 48651 78266
47994 55389 69695 29709 78656 63810 46176

Attention, rpt msg, out

11581 kHz, 24-08/26-08, 1300 UTC

583/38 Attention

41118 50155 09022 71956 21275 13733 82755 22257 04506 92922
09758 11829 00881 06822 25131 48483 63297 04850 04368 20237
56773 70119 47531 28911 69087 83835 77038 68549 21677 24913
54727 08668 89111 10527 06100 66049 83534 92214

Attention, rpt msg, out

9070 kHz, 26-08/27-08, 0805 UTC, CW: Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11
For the first time found on a Saturday

9079 kHz, 26-08/27-08, 0805 UTC: 311/00

9130 kHz, 26-08/27-08, 2005 UTC

368/38 Attention

65208 16401 85707 89116 79173 74506 18163 14133 73454 01278
74305 83238 31588 77360 00528 17878 40882 79484 43747 70567
13382 13744 88540 32150 70992 17938 20620 04932 83784 10381
48650 67476 68454 86907 85898 03474 91863 35392

Attention, rpt msg, out

7469 kHz, 28-08, 0450 UTC and 8088 kHz, 31-08, 1730 UTC

415/36 Attention

06891 14297 41934 78647 54665 45984 84094 73124 31572 02350
54467 28689 35939 49361 96507 03515 05742 62507 35459 49066
31850 44109 71923 95491 68258 03748 32265 04744 47337 63391
17163 11495 84223 19466 29366 49722

Attention, rpt msg, out

6280 kHz, 28-08/31-08, 0820 UTC

434/40 Attention

20981 49019 81492 55880 67774 31033 18752 70164 06859 84154
13172 04957 20535 31101 02250 65797 29913 16094 78664 39822
17981 55336 48962 52754 02792 57632 75189 51287 89371 70865
15562 51259 89549 76522 33246 73707 76688 47336 24981 11683

Attention, rpt msg, out

14575 kHz, 29-08/31-08, 1645 UTC

334/35 Attention

54300 80090 56952 10951 20035 60799 99292 48215 48454 80569
28384 27393 30683 96166 28560 41318 13737 33948 75149 35509
69062 73435 44427 52644 36845 42448 49368 73061 69921 74087
64056 97735 05393 38962 68114

Attention, rpt msg, out

11581 kHz, 29-08/31-08, 1925 UTC

552/33 Attention

78869 13277 01845 63981 63421 57929 12436 87343 63872 72038
42584 65119 71443 37992 83393 65620 23922 53246 48221 66238
22264 20819 57359 68577 13457 49145 85323 12578 24278 44146
52995 64933 56176

Attention, rpt msg, out

6304 kHz, 30-08, 1205 UTC

468/41 Attention

44174 10032 09351 50883 49427 24089 18028 30383 15543 56335
86941 51841 59494 48307 55199 24209 40312 59324 58353 07135
15924 78775 74777 97313 81897 13793 39207 69120 75595 26970
87559 09574 02949 51090 79401 01129 98527 66954 52751 87498
64944

Attention, rpt msg, out

8565 kHz, 31-08, 0315 UTC

258/38 Attention

35362 62922 91391 44771 83302 11813 18810 44561 73928 44422
54316 06281 26751 23683 81859 55709 12263 99533 66527 53503
25928 71832 27945 40152 50061 91848 20106 76723 26230 13508
58142 13109 78362 02009 46496 36682 27154 15719

Attention, rpt msg, out

E17z

10240 kHz, 02-08, 1547 UTC. Copied by Antonio. Recording on the N&O website

Live transmission. Male operator.

274 583 15 53812 (repeated as 53892) 10342 73923 21945 42619 03528
11426 73513 20451 41834 75218 62428 41723 53050 52961 583 15 00000

16780/12850 kHz, 03-08/10-08, 0800/0810 UTC

674 290 8 46062 68672 97478 39685 30485 96632 52537 53317 290 8 00000

5140 kHz, 16-08, 1747 UTC. Live transmission i.p.

22384 15014 57238 28011 40778 28733 87245 61823 891 891 35 35 00000.

Male operator

Recording: <https://soundcloud.com/rickf-2>

16780/12850 kHz, 17-08/24-08, 0800/0810 UTC

674 239 5 11394 30307 31450 38153 39650 239 5 00000

16780/12850 kHz, 31-08, 0800/0810 UTC

674 674 674 00000

E25

6140 kHz, 16-08, 0744 UTC.

Female operator. Windows sounds.

250 250 250

Message, message, message

8141 9080 6120 2941 8868 2649 5587 6120

Rebeat, rebat, rebat

8141 9080 6120 2941 8868 2649 5587 6120

End of message. End of transmission

G06

6897 kHz, 19-08, 1829 UTC

6884 kHz, 24-08, 1830 UTC

842 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564

01824 75643 84221 95647 92112 94543 76577 43435 47322 84232

95674 87344 57438 45763 49325 57438 92190 96785 21244 05674

01765 76354 83645 21234 97564 82133 07564 83234 75312 71211

05674 65374 67321 94884 23483 82521 41212 57333 85331 53234

05124 95732

149 52 00000

Windows shut down sound

5935 kHz, 11-08, 1930 UTC

218 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564

01824 75643 84221 95647 92112 94543 76577 43435 47322 84232

95674 87344 57438 45763 49325 57438 92190 96785 21244 05674

01765 76354 83645 21234 97564 82133 07564 83234 75312 71211

05674 65374 67321 94884 23483 82521 41212 57333 85331 53234

05124 95732

149 52 00000 21 Windows shut down sound

5933 kHz, 25-08, 1930 UTC

218 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564

01824 75643 84221 95647 92112 94543 76577 43435 47322 84232

95674 87344 57438 45763 49325 57438 92190 96785 21244 05674

01765 76354 83645 21234 97564 82133 07564 83234 75312 71211

05674 65374 67321 94884 23483 82521 41212 57333 85331 53234

05124 95732

149 52 00000

S06

16327 kHz, 03-08, 0830 UTC / 13875 kHz, 03-08, 0930 UTC

842 517 34

11084 62145 03179 36315 63544 40942 26793 38368 72906 79229

55585 69012 59061 72237 19594 22855 92096 30638 48321 03143

41926 47429 98922 31467 70590 78204 51294 91952 96926 83236

12241 20848 88284 04813

517 34 00000

13875 kHz, 11-08, 0930 UTC

842 690 35
42593 09736 88846 40782 04261 75160 94675 29762 79883 64609
87155 61209 96717 18527 64384 79983 25904 01883 72471 97956
08423 02651 41691 93520 46365 56948 55931 73595 26734 36777
35134 24584 69948 61295 35417
690 35 00000

16237/13875 kHz, 18-08, 0830/0930 UTC

842 157 36
40848 00195 58396 31486 06046 42338 58758 22035 05089 82535
49813 57258 28879 79598 24432 70519 64297 43552 85057 10638
13419 49691 07741 30796 81783 98822 37132 32236 04615 47151
29606 48675 92666 54214 86737 82391
157 36 00000

16237/13875 kHz, 25-08, 0830/0930 UTC

842 960 37
67640 08652 85391 76166 33707 06164 49385 80939 94783 63531
25738 58228 98599 68203 70714 59447 27690 35174 45877 00393
75950 83511 69496 62041 71389 43849 22746 65277 68499 14022
96621 49231 58704 05026 90516 07915 72302
960 37 00000

10755 kHz, 30-08, 0920 UTC

975 584 10 55185 79781 17348 35300 68960 58344 19373 56774 54314 28294 584 10 00000

10755 kHz, 30-08, 0933 UTC

975 97 875 13468 (R3)

16237/13875 kHz, 31-08, 0830/0930 UTC

842 175 38
08416 14667 97445 02796 80869 23201 96357 03069 33359 54076
56824 55672 46851 69515 51945 11043 73211 02266 87524 83523
85789 02249 04064 05093 66811 67292 99169 81141 05032 25129
06307 27996 02075 58855 90839 96859 10904 93034
175 38 00000

S06c

5412 kHz, 15-08, 1102 UTC: 11021

S06s**9357 kHz, 14-08, 0840 UTC. Wrong freq, should be on 9353 kHz**

371 265 8 36628 32225 30867 49980 48995 40333 43389 30419 265 8 00000

S11a**5149 kHz, 01-08/04-08, 0455 UTC**

326/34 Vnimaniye
54439 27395 13116 48186 31261 95751 15949 78338 21589 82656
38047 32237 09683 25767 31156 93949 41392 28087 31815 35873
53707 14516 17575 40967 73351 33808 93029 20622 34431 43968
51165 81241 39749 46281
Vnimaniye, rpt msg, konets

8530 kHz, 08-08/11-08, 0915 UTC

484/34 Vnimanaye

32730 48322 02664 07110 75537 10730 23187 75026 43396 71341
29593 54621 04972 76777 32056 85027 65889 76880 90653 37841
45342 19477 69215 98923 69304 35311 82014 97202 71177 36709
52122 09242 23624 69779

Vnimanaye, rpt msg, konets

12457 kHz, 09-08, 1850 UTC

286/39 Vnimanaye

80009 47533 25936 88521 55012 14810 86636 50737 09941 57912
70472 68192 68572 64093 33991 66134 29584 02740 51864 00634
51645 63478 46571 50298 77672 18501 09119 45108 93183 61275
50995 04339 35630 10056 53255 04602 85635 08225 48362

Vnimanaye, rpr msg, konets

11092 kHz, 12-08, 1540 UTC

565/33 Vnimanaye

25860 27156 16515 96435 88261 94193 70037 96050 38849 68586
82341 58507 22330 83741 30266 53671 97307 31736 51781 25105
67611 41628 48603 26537 67175 06166 89974 70989 36167 05636
11150 59223 62297

Vnimanaye, rpt msg, konets

4870 kHz, 16-08, 1955 UTC

379/39 Vnimanaye

50816 44141 75718 37800 51218 89191 00161 98165 71131 81481
17313 85461 73933 05696 04060 90910 74654 37966 16904 92031
77071 31572 36480 39101 75182 58852 23312 42887 56274 16666
12868 93999 72671 02169 79525 41830 82210 48729 66867

Vnimanaye, rpt msg, konets

10210 kHz, 21-08, 1015 UTC

470/40 Vnimanaye

92219 20684 57578 39260 42907 82158 31992 19847 69284 36844
86357 98033 96437 48569 81765 34222 22764 10562 60437 13646
55466 34453 19845 33387 23563 93767 46711 56743 35290 22171
75058 13547 81001 17539 50209 95146 81558 49042 25224 37697

Vnimanaye, rpt msg, konets

8800 kHz, 22-08/25-08, 1020 UTC

427/32 Vnimanaye

29726 26599 21614 49268 63809 60303 17538 37519 95717 19879
25181 01552 27119 62471 82579 57004 09654 50566 83677 73633
65417 37408 08594 78447 04030 40956 28182 99150 27319 22949
68479 17594

Vnimanaye, rpt msg, konets

S32 - Squeaky Wheel

5473 kHz, 04-08, 1118 UTC Alpha-45 04 549 OBLOZCA 84 75 31 26 MITAZOA 58 46 67 65 62

V15 via Radio Pyongyang**6400 kHz, 05-08, 1515 UTC, AM**

Music followed by a message in Korean via the Voice of Korea

V24

5290 kHz, 05-08, 1430 UTC, AM

Pop music followed by message in Korean

5900 kHz, 15-08, 1600 UTC, AM

Pop song followed by a message in Korean

5900 kHz, 22-08, 1600 UTC, AM

Pop song followed by a male reading numbers Korean

4900 kHz, 27-08, 1530 UTC, AM

Song followed by numbers message in Korean

VC01 - Chinese Robot (Chinese Air Defense)

Heard on

7148 kHz USB, 20-08, 1138 and 1259 UTC

4109 kHz USB, 26-08, 1320 and 1351 UTC

MORSE STATIONS

M01

6780 kHz, 06-08, 0700 UTC

025 183 183 30 30 = =

53951 77074 37315 66905 08155 83413 38602 09669 05352 58837

56393 98958 34779 42205 24738 71305 70051 73046 50576 07841

45951 45107 89345 71447 35541 37505 27641 99567 99093 28318

= = 173 173 39 EEEEE 30 30 000

Live transmission. Errors in header and at the end. Note 183 vs 173 and the group count

6789 kHz, 27-08, 0700 UTC

025 154 154 30 30 3 = =

37706 19449 63975 48090 50210 57520 31580 63517 86800 17442

11986 95797 02429 52500 24876 24449 58319 90543 55975 95139

37863 54086 34314 26327 23776 35485 44202 62896 33023 56556

= = 154 154 30 30 000

4905 kHz, 31-08, 2000 UTC. Errors in repeats between brackets

025 157 157 30 30 = =

52724 34732 87456 45424 99166 50001 64703 39886 29876 27927

51207 56137 78323 66239 (66329) 16512 42982 31159 18156 33828

13517 6736 (67736) 51791 28844 98907 (98905) 01234 08934 08995

15483 15749 (96188 961 EEEEEEE) 15749 96188 88791

= = 157 157 30 30 000

M01a

5080 kHz, 29-08, 0937 UTC

i.p. 523 523 523 75936 75936 (Rx9) 0941z

4849 kHz, 29-08, 1008 UTC, i.p.

333 38419 38419 (Rx2)

333 38414 38414 (Rx2)

333 38529 38529

333

111

333 02 1 0 11

333 10 333 10

111 999

335 10 = 54127 61533 42816 67934 52269 85231 33672 89521 43769 13370 = 335 10

000

5317 kHz, 29-08, 1118 UTC, i.p.

333 0 8

333 01

999

111 999

562 10 = 47890 45749 80467 8049 87049 87451 35498 40124 89406 54168 = 562 10

333

111 = 80849

333 333

11 = 87049

111 0 0 0

4849 kHz, 29-08, 1122 UTC

901 901 901 38525 38525 (Rx2)

333 38535 38535 (x2)

333 38545 38545 (x2)

333 38557 38557

333 38556 00000000

333 38557 38557 (x2)

333 38577 38577 (x2)

111

333 0 3 0 4 1 4 (x3)

111 999

619 10 42176 75135 44696 53411 59213 63892 24189 31566 71040 53964 = 619 10

111 000

4844 kHz, 29-08, 1208 UTC, i.p.

333 26607 26607

333 26638 26638 (x2)

111 0 0 0

111 0 0 0

M01b

5095//5760 kHz, 03-08/31-08, 1832 UTC

815 173 173 31 31 = =

88699 23712 83202 18259 78697 82377 62586 65026 89783 55704

55849 52093 86612 58860 11168 33217 13098 77325 19603 61446

27069 90186 33191 14222 88315 56004 26689 39367 41847 19509

93587

= = 173 173 31 31 000

5075//5465 kHz, 25-08, 1902 UTC

336 173 173 31 31 = =

88699 23712 83202 18259 78697 82377 62586 65026 89783 55704

55849 52093 86612 58860 11168 33217 13098 77325 19603 61446

27069 90186 33191 14222 88315 56004 26689 39367 41847 19509

93587

= = 173 173 31 31 000

5065//5805 kHz, 31-08, 1900 UTC

936 173 173 31 31 = =

88699 23712 83202 18259 78697 82377 62586 65026 89783 55704

55849 52093 86612 58860 11168 33217 13098 77325 19603 61446

27069 90186 33191 14222 88315 56004 26689 39367 41847 19509

93587

= = 173 173 31 31 000

M08a - Dirección General de Inteligencia

8136 kHz, 01-08, 2300 ITC M08a and HM01 mixing

M12**15983/14683/13383 kHz, 07-08/09-08, 1400/1420/1440 UTC**

963 963 963 1 3391 127 3391 127

36681 01122 48342 52247 50512 14689 12364 34887 63098 73075

23459 94074 33686 01075 03253 74012 22109 01967 69598 35422

17231 60060 58656 18836 73701 86979 61691 70062 45951 36468

22129 99500 72829 33634 67453 51528 80417 90587 18618 00948

99336 94890 47409 11007 78095 11630 83460 39265 91545 64319

44341 45023 93522 34772 99492 12523 84680 67750 13998 11360

12814 65577 31645 14068 75030 46283 66146 86641 53865 02429

42748 23856 44579 10177 65782 67001 74024 97166 45356 52122

37085 34791 55288 78405 07730 25600 05441 20705 77541 06382

31177 11251 40851 85567 71093 85807 61727 40844 82628 97982

78039 83271 74488 67615 85360 71101 47280 09224 02546 02609

28824 64687 00833 92100 64668 75125 42672 63769 60437 68620

59179 12092 26299 71901 94981 06426 18596

000 000

8123/6923/5823 kHz, 09-08/12-08, 2100/2120/2140 UTC

198 198 198 1 3184 85 3184 85

07620 90656 93848 42216 58507 20611 99226 86461 11041 06169

73426 28289 50190 89876 25513 54603 92925 12123 88479 20051

74765 82554 86128 63846 81622 56224 64144 56413 20810 18358

61705 62513 22959 60422 53757 48633 83311 38768 87230 12944

69059 66569 83119 63742 38748 51608 55075 89318 38795 46737

45417 51695 76377 86318 99584 89768 20363 46269 34117 78296

55854 93106 80442 73325 04830 42198 19982 50477 47973 59198

71480 32319 71520 96808 46786 42110 17553 66668 96859 20475

23314 92740 89534 21614 47890

000 000

14468/13568/12178 kHz, 17-08/19-08, 1310/1330/1350 UTC

451 451 451 1 3192 83 3192 83
56203 68018 88378 75092 01909 01148 02175 64075 96778 72525
01255 18351 38453 35220 59997 24946 37026 38725 29796 90075
96006 31396 10398 91384 85169 17901 04560 60082 78863 39072
29593 82401 02879 44913 77509 68075 28963 84164 23851 37305
88197 05008 29572 31086 19385 69010 31526 43005 36757 30429
80725 30064 02382 43139 16273 85411 67924 13161 94874 45433
06627 21379 62971 39345 95841 02004 19052 51554 28939 49666
17573 47869 15325 44953 53226 18240 28445 67901 48652 47976
59354 03775 72487 000 000

13369/12179/10469 kHz, 26-08, 2110/2130/2150 UTC

314 314 314 1 2210 91 2210 91
39893 11001 62998 79377 99607 68098 97202 62023 62873 51890
34736 68963 10166 46193 84756 59689 60930 29024 70291 76323
89437 45772 31635 49326 42107 45751 26426 43588 96502 02596
58262 61180 45605 74704 77786 90587 65770 52551 07924 96282
06650 18572 88767 94099 68678 40196 79214 72575 95962 47722
19621 84529 46915 70469 31394 97770 30459 46315 39111 60100
67974 46084 17102 54930 92051 57208 74275 75153 03308 65915
82796 23727 01205 83706 79259 52199 27114 64810 15573 70450
53389 56215 60476 13052 00380 11929 05442 92476 82677 65778
48822 000 000

15983/14683/13383 kHz, 28-08/30-08, 1400/1420/1440 UTC

963 963 963 1 8501 149 8501 149
46623 39926 55688 46122 40375 04319 75700 98150 74640 84192
15344 94413 86930 96051 40131 59524 71113 09953 95142 94246
86029 78716 11691 86666 54613 89039 26423 36714 72827 03114
58955 07233 28631 40606 09369 65740 16652 21963 60189 78921
67348 88391 15655 47348 24477 65472 17208 29027 44037 63686
89310 13518 52231 19323 79568 23581 46763 39656 32758 08184
58104 13474 73706 38037 68811 81270 66057 12985 79860 25109
35345 17363 65007 48966 49983 07269 89696 44833 68928 13659
47980 18835 48425 60946 91319 07911 88988 05113 92156 59624
55800 39225 53325 11938 39681 56811 38812 97087 27803 28562
55949 93477 06698 47480 55275 35999 60622 46627 02906 06751
41751 89859 56377 14181 58634 94065 80477 11660 41582 08221
87758 85683 03027 23074 92613 73043 09131 93662 73342 30069
06785 54859 39374 33910 54732 36282 06326 31919 71175 27014
18359 09733 07430 89459 09995 78501 59922 05649 02582
000 000

8123/6923/5823 kHz, 30-08, 2100/2120/2140 UTC

198 198 198 1 145 111 145 111
66281 81448 77047 43385 49238 86073 47544 99131 17926 27141
75345 50342 14772 44742 94145 72439 73740 22635 02021 25930
06444 26692 34402 02512 00220 24398 22612 25335 57070 23817
97900 09093 10073 24505 69990 94165 07354 94375 13843 96221
27512 59100 56564 44041 60617 96816 02330 54555 48371 25897
50114 20316 79231 31240 91695 06434 57950 86050 85241 00597
62528 75104 78100 75397 35779 22173 72338 63586 42776 91452
06732 42787 05501 17635 48403 03795 08641 58865 35133 24977
72165 76090 95471 22190 49267 91867 37756 55043 75127 28677
92595 90574 85778 50866 90796 57003 80936 35104 51878 89224
69711 85791 89049 78405 29543 14921 89069 30891 55808 00529
63726 000 000

M14

5357 kHz, 01-08, 1600 UTC

273 367 367 81 81

16230 40196 79437 99455 07702 03957 36332 25385 03607 63313
25599 25168 21703 52039 14654 00411 35953 70860 48956 76538
69224 12216 57225 49793 01293 38053 85108 75368 29139 67019
71978 14267 61202 65222 88139 57541 41080 15678 21881 55881
08673 94813 30577 48808 37805 55250 89363 41115 45474 72499
76358 02410 87201 69481 74467 69499 84802 55036 73461 56617
19081 47708 48975 64063 56409 88557 30716 78290 24194 77613
53303 26986 30625 37848 35500 71665 44736 67419 18063 53381
66189
367 367 81 81 00000

5430 kHz, 05-08, 0800 UTC

5560 kHz, 05-08, 0900 UTC

171 027 027 45 45

45632 17653 27362 74689 23412 07896 35121 38902 56473 89012
87221 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 94563 46321 28374 09483
64532 37564 10956 37509 27843
027 027 45 45 00000

6870 kHz, 08-08, 1820 UTC

163 736 736 30 30 = =

35241 26534 87635 28763 16253 93654 15243 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

5430 kHz, 12-08, 0800 UTC

5560 kHz, 12-08, 0900 UTC

171 736 736 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 30 000

5936 kHz, 09-08, 1920 UTC

417 736 736 30 30 = =

35241 26534 87635 28763 16253 93654 15243 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

5430 kHz, 19-08, 0800 UTC

5560 kHz, 19-08, 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

5430 kHz, 26-08, 0800 UTC**5560 kHz, 26-08, 0900 UTC**

171 025 025 30 30

34253 75648 07912 73546 25367 93521 64537 34218 93521 09362
92631 47864 35263 81527 93627 08734 26351 53421 04625 99465
74653 53422 8635 03564 73524 24312 75643 25634 75624 70689
025 025 30 30 00000

Group 23 was sent as 4-figure group on both transmissions.

7590 kHz, 27-08, 0558 UTC A3 ---- 237

7590 kHz, 27-08, 0559 UTC 18234 63405 896

7590 kHz, 27-08, 0600 UTC 382 382 382 00000

7590 kHz, 27-08, 0619 UTC 5055 473T2 91535 25443 12T99 19T45 70

8162 kHz, 27-08, 0700 UTC 382 382 382 00000

5240 kHz, 27-08, 2300 UTC

376 025 025 30 30

34253 75648 07912 73546 25367 93521 64537 34218 93521 09362
92631 47864 35263 81527 93627 08734 26351 53421 04625 99465
74653 53422 8635 03564 73524 24312 75643 25634 75624 70689
025 025 30 30 00000

18041 kHz, 01-08, 0500 UTC

952 708 708 50 50 = =

78834 36248 15082 26002 79055 34941 84268 89525 79438 24804
43940 92697 84514 21931 16730 34505 93285 16731 06607 69432
24604 08675 65541 09559 80360 95303 36447 07995 88469 97422
47572 84614 92237 48092 94542 80002 59858 29684 95231 48557
85510 58947 79652 26708 84142 29674 12056 37149 51427 06251
= 708 708 50 50 00000

18041 kHz, 02-08, 0500 UTC

952 431 431 60 60 = =

11042 18988 62712 85902 72655 25296 32242 57373 18571 44854
15767 82885 81553 16851 61071 35505 72704 00674 59490 18962
20907 66887 69593 20907 02216 37931 89387 62082 82625 95702
63007 84754 22653 98227 32804 45661 17173 72599 72789 82609
68952 76371 64359 45720 19304 44597 00246 60930 84311 64707
27623 89285 70058 46392 66317 61726 65299 78709 63045 94043
= = 431 431 60 60 00000

18041 kHz, 03-08, 0500 UTC

952 760 760 50 50 = =

50947 27722 73684 58592 06867 33255 46937 32389 11462 24040
88654 23578 98677 07772 02124 47690 16646 52529 39824 02549
06612 00149 64043 40092 05779 99227 05633 28916 03778 06192
63103 18473 07427 27867 09229 40880 93488 03992 97369 11247
54093 53112 84679 12490 64536 30288 14401 75545 28116 70054
= = 760 760 50 50 0000

18041 kHz, 04-08, 0500 UTC

952 148 148 60 60 = =

49172 56589 65253 70202 46771 32121 13304 25981 21153 70826
87588 35098 24640 24920 77191 57990 09479 81003 16955 53023
63285 31033 11058 38137 35987 00799 44190 90472 56716 28118
41265 88672 64072 07929 61603 27549 98212 46449 38521 59804
28182 91620 00279 44482 12948 32003 33302 06852 19555 81313
73633 39402 46851 90799 37538 98639 28216 56626 27216 77367
= 148 148 60 60 00000

18041 kHz, 07-08, 0500 UTC

952 636 636 50 50 = =
81630 68595 12332 33216 61845 17080 33879 47035 13609 50465
79806 02437 73242 30806 37608 97994 14161 02896 94795 64019
26657 86908 70875 66184 54801 56695 77549 50276 38920 45899
18072 82734 37076 39099 61705 66692 23984 10163 54217 38180
90812 14981 50339 72202 94296 30800 79145 53360 28608 59312
= = 636 636 50 50 00000

18041 kHz, 08-08, 0500 UTC

952 874 874 50 50 = =
15432 94727 44424 54805 20330 61688 90306 33274 26219 00168
34399 44924 04000 04576 23333 70844 73734 23353 14916 53072
85628 82600 90013 22764 04618 27769 54763 80019 53255 56858
00314 61314 92592 43555 12261 55452 45731 73751 46991 54002
93738 43876 17096 47144 98617 94484 53060 00857 33011 77537
= = 874 874 50 50 00000

18041 kHz, 09-08, 0500 UTC

952 131 131 60 60 = =
34266 31317 54073 84693 93593 00125 83082 75207 76518 81649
00883 93499 06527 84893 85368 68475 00298 28975 85715 88958
91675 06719 59093 81006 86981 04988 91067 03672 12621 86443
23134 80426 40902 62410 35818 08402 05024 11548 60777 12661
39154 24012 20348 37666 04550 75788 17964 93150 87344 62889
27903 96567 81050 50103 57776 79308 83402 13983 82215 48881
= = 131 131 60 60 00000

18041 kHz, 10-08, 0500 UTC

952 746 746 50 50 = =
65379 80837 15536 31760 29970 48702 16823 35030 65574 98285
99017 99705 69078 74542 64496 00727 05488 29033 78758 79036
21787 82982 54452 05473 85116 11922 43313 84196 18707 19084
71949 75373 34001 89780 82411 41768 82402 43903 63484 48964
75098 28762 83641 73872 44378 19454 61594 01239 44898 18923
= = 746 746 50 50 00000

18041 kHz, 11-08, 0500 UTC

952 318 318 60 60 = =
59831 36913 96759 75907 34947 90100 08069 45955 85785 12844
92161 56489 79724 43462 22838 62521 96868 82759 80448 22520
88132 53142 91269 14031 47076 26598 11113 70485 87716 82452
57865 62645 45463 80847 22641 73099 43406 62880 14230 37281
91105 13347 16541 49417 08102 47009 63716 56853 89310 04346
62612 54508 54508 67703 17326 09762 49079 33806 35467 45564
= = 318 318 60 60 00000

18041 kHz, 14-08, 0500 UTC

952 746 746 55 55 = =
07702 58080 48221 69096 43969 94097 64887 51236 28315 82005
25068 04092 95994 55675 61092 79118 28382 17464 37155 34386
76256 98385 68948 26446 87868 42212 62905 00335 28736 43187
23523 19918 97096 92042 02182 05749 91956 09996 85912 72637
59676 75434 49533 84109 40034 72954 19613 65953 01686 19453
23682 46030 09988 46961 23137
= = 746 746 55 55 0000

18041 kHz, 15-08, 0500 UTC

952 808 808 50 50 = =
17740 23772 56217 91904 72815 90648 75724 53241 89418 77853
05642 37018 03003 37923 59985 45039 56155 26638 06903 39200
39191 74752 71028 72050 36706 89494 84777 61980 97271 71802
18241 61478 68462 60211 42392 91891 64404 37343 05277 43123
58033 59928 25874 61714 15235 98202 35333 75743 13086 96314
= = 808 808 50 50 00000

Not heard on 16 August**18041 kHz, 17-08, 0500 UTC**

952 674 674 50 50 = =
07958 46539 84155 30666 54794 55510 95431 81554 93797 33380
99335 75315 41128 99305 58428 33615 24443 63124 54674 05212
57224 15769 35305 64039 72987 19019 55274 90208 74019 67984
83473 69855 74373 24796 64912 74771 41778 46921 56034 07764
68163 58540 75374 24664 23491 38432 36729 68945 72563 22803
= = 674 674 50 50 00000

18041 kHz, 18-08, 0500 UTC

952 801 801 55 55 = =
73091 21935 53056 76207 19858 53384 01396 88518 10143 26871
71248 10320 84095 32582 35690 92712 00805 58902 76365 17536
12509 57228 76308 05198 22497 25238 05037 83933 50147 25807
81881 50177 51520 83752 28468 74726 68968 27603 46299 34408
08176 68570 80372 73906 66085 33917 54767 27468 58133 96904
91148 55145 18252 70519 46110
= = 801 801 55 55 00000

18041 kHz, 21-08, 0500 UTC

952 676 676 50 50 = =
93975 59867 84331 35881 35906 52993 76200 70873 11271 42679
43135 69068 74830 98307 84952 69074 92262 86430 00201 67617
42086 49128 21727 16111 92290 55913 19916 55617 68859 15098
03295 38614 58377 55574 71191 11022 11905 14948 98120 52918
42312 94944 54609 01387 32255 70052 94127 03928 94985 60317
= = 676 676 50 50 00000

18041 kHz, 22-08, 0500 UTC

952 148 148 50 50 = =
60743 25042 51241 97491 88629 86861 31162 45643 44295 00558
80694 19570 50235 36696 18075 12483 57640 51878 04610 97388
38936 20230 45862 51788 05046 88424 10520 70758 64532 40176
96625 16849 66834 81146 99855 80230 96765 80204 63536 47536
12472 27955 15093 02835 44033 98507 18601 09165 94899 25396
= = 148 148 50 50 00000

18041 kHz, 23-08, 0500 UTC

952 730 730 60 60 = =
94918 08541 12795 05222 00427 53138 81895 85491 96593 13054
01775 10912 76386 88254 22930 62272 60223 38228 04790 21648
58173 86739 08235 78774 20539 68475 97596 84768 25250 59777
63059 07914 75513 60644 99415 71176 06158 20191 02108 76150
22100 22743 66483 43114 17384 76781 01226 21889 48223 73889
91861 53187 58478 09916 75326 85129 81023 85529 11486 74637
= = 730 730 60 60 00000

18041 kHz, 24-08, 0500 UTC

952 614 614 50 50 = =

38802 74705 35278 90600 90494 36174 69657 57755 02835 82171
 28468 32542 63553 35221 18636 96157 86425 78138 98935 40979
 00888 70866 07933 29052 38234 50231 06485 23334 81591 48534
 14481 90130 71841 91940 46498 96162 86692 64576 76084 48689
 35086 49302 83332 52151 34114 81069 65443 79739 60653 73825
 = = 614 614 50 50 00000

18041 kHz, 25-08, 0500 UTC

952 repeated for 5 minutes then stopped

18041 kHz, 28-08, 0500 UTC

952 761 761 50 50 = =

19589 60391 90166 10839 13171 44498 48612 77315 40118 68744
 00909 11590 62856 76298 93039 69344 63590 72096 94291 95031
 29692 93564 69608 77408 00135 86518 77827 34466 58893 15924
 44232 69942 86254 66202 80858 68605 03981 10788 52995 22489
 75252 55599 15306 05283 45337 86127 66023 37040 33917 72828
 = = 761 761 50 50 00000

18041 kHz, 29-08, 0500 UTC

952 804 804 50 50 = =

21496 34406 57545 08768 80554 32894 61966 70769 89940 76237
 58300 38321 96069 43558 52384 66756 81338 50521 15977 57027
 36334 54138 29524 63298 66516 29936 86746 09613 44316 76172
 34472 82825 42573 24791 46171 94008 10262 63806 52609 25481
 76441 00796 78073 05688 93364 22195 55601 59086 54686 28085
 = = 804 804 50 50 00000

18041 kHz, 30-08, 0500 UTC, first part unreadable

952 763 763 50 50 = =

xxxxx xxxxx xxxxx xxxxx xxx13 23791 64833 03826 82857 99171
 15546 41572 68190 87257 55173 96135 25383 06338 72294 71129
 51097 07661 37888 70049 80846 34006 66893 47850 65650 96699
 72067 23954 55819 88279 96056 86369 40300 72992 32630 41614
 15033 22310 73012 90121 78744 87654 38249 31828 31828 79622
 = = 763 763 50 50 00000

18041 kHz, 31-08, 0500 UTC

952 181 181 50 50 = =

36280 72881 87055 13768 51666 13466 62054 18204 66273 74693
 39525 14066 47399 85800 04387 94671 80272 41074 43776 49205
 53255 69601 14526 93826 82199 00811 89638 97825 09904 05510
 82208 96961 41607 17094 70219 11209 02451 62617 70661 09083
 27857 58419 36396 85731 22748 49986 74222 46992 50554 00736
 = = 181 181 50 50 00000

M21 + variants - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

4791 kHz, 28-08, 1657 UTC =992000??0?????

M89 - Chinese military

4055 kHz, 04-08, 1325 UTC

CL DE

R UDE QSA 2 QSA ? K

NIL SK GB

CL

DE

R .5EK QSA 2 QSA ?

NIL SK GB

CL

DE

R OEU. EE OE.. QSA 2 QSA ?

NIL SK GB

CL

DE

R IUOT QSA 2 QSA ?

NIL SK GB

CL

DE

R D5W5 QSA 2 QSA ?

NIL SK GB

CL

DE

UKYN QSA 2 QSA ?

NIL SK GB

CL

DE

IAN6 QSA 2 QSA ?

NIL SK GB

CL

De

R NWD2 QSA 2 QSA ?

NIL SK GB

CL

DE

8UUK QSA 2 QSA ?

NIL SK GB

CL

DE DE

WRUJ QSA 1 QSA ?

NIL SK GB

CL

DE

KTS. QSA 1 QSA ?

NIL SK GB

4112 kHz, 05-08, 1517 UTC

VVV QSA T ? F 27 F 27

VVV QSA T F 27 QSV K

BK

VVV VVV

MT4T Q. QSA 0 ? 24 FF 24 7VV QSA QSA 0 FF 24 QSV K

VVV QSA T QSA T FFF 24 F QSA T QSA T ? F24 F24 QSV QSV K

5287 kHz, 05-08, 1233 UTC

7G GA
MSG GA
MSG GA
QSL HR WK NR / 185 EEEE
HR WK NR / 17 / K
HR WK NR

4894 kHz, 06-08, 1510 UTC

QSA 2 U ?
= DE DP7491 QSA 2 U ?
= Q.. DP7491 QSA 2 U ? 220 5320
DE DP7491 QSA 2 U ?
NP7491 QSA 3 NIL =
DP91 NIL
DP7491 QSA 3 NIL
NIL SK GB
DE DP7091 QSA 2 ? (Sends the letter O for Zero)
DP91 DP7691 QSA 3 U ?
DP9 DE DP7091 QSA 2 U
DP6UT4
DE DP7091 QSA 2 ?
= DP91 DP7691 QSA 3 U ?
DP91 DP7.91 QSA 3 U ?
= DE DP7091 QSA 2 ?
ND E DP7091 NIL
NIL SK GB
GB
DP91 QSA 2 U ?
NPT
DP91 QSA 2 U ?
DP7391 QSA 2 U ?
DP.391 QSA 4 NIL
NIL SK SK GB GB
DP91 ... QSA2 ?
DP7691 QSA . NIL
NIL SK SK GB GB
DP7791 QSA 2 U ?
NPT
=
DE DP7591 QSA 2 ?
DE DP7591 QSA NIL
DP7591 QSA 2 ? K
DP7591 QSA 1 U ? K
DP75.. SK
DE DP7591 QSA U ?
N DP.591 QSA 4 NIL
NIL SK SK GB

5189 kHz, 08-08, 1912 UTC, i.p.

RMKS Q K
K R GA K (Both stations on this frequency)
R 7G 1P =
43DU 6T5D A6U5 (Cont'd)
III 2P =
4TAN UR3D (Cont'd)
AR
VV S8KN DE W3MV K
DE S8KN R QY HW K
RPT 1P 03W (Repeats groups)
R QSL 0330 K

R OK
VV .UO8 DE W3MV K
R R DE NMV3 K
N AR DIEEEE R DE YHWK
R R PT 1P 43W K (Repeats groups)
R QSL 0334 K
R NR 241 K
R R HM IIII HR WK NR 516 K
R VA VA

3519 kHz, 13-08, 1700 UTC, i.p.

R QSA 2
HR WK NR 0120 020 K
R HR WK NR 020 020 K
REBG (Several stations calling)
QSA 2
HW WK NR 110 110 K
OK
VV .BR4
R QSA 2
HR WK NR 112 112
OK
VV ...
NR 202
VV BA.X
R QSA 2
R HR WK NR 109 109
OK
VV DE ...
QSA 2 N HR WK NR 012 012
OK
..R4
DE K...
QSA 2 KE D OK NR 203 203 K
... WK (Very weak station)

3625 kHz, 13-08, 1700 UTC, i.p.

FFF NR 1001 /EX = 0113 =
C3W./G7J2 AR
FFF NR 1002/EX 0113 =
.3W5/G7J2 AR
FFF NR 1002/EX 0113 =
C3W5/G7J2 AR
QSY HW QSY SW VVV
R HW EEEE R
FFF NR 1003/EX 0116 =
.UD8/EJW3 AR
FFF NR 1003/EX 0116 =
.4D8/EJJ3 AR
FFF NR 1003/EX 0116 =
Z4D8/EJJ3 AR
SK SK

5231 kHz, 13-08, 1351 UTC, i.p.

DKYU HITJ EKOJ PJC EHIF CKOG ASKL CIOF ...

AR (Rare 4 letter coded message)

HR WK NR 2.2

HR WK NR 202 K (Uses long zero)

4356 kHz, 14-08, 1145 UTC, i.p.

VVV CQ DE AOZ QTC

98 TO T =

4977 54A3 QTC

CQ DE AOZ QTC

NR .9W8 =

.9777 454. .. Z5 76.78 61022 83..0 83368 .8842 K

V QTC CQ

VVV CQ DE AOZ QTC NR 8.W8 =

.9777 45403 1..75 76878 61022 83.20 83368 38842 K

VVV K

VVV B2K.... K (Weak/fading - horrible CW operator)

VVV J2Z DE AOZ QSA ? K

VVV J2Z DE AOZ QSA ? K

VVV KWS DE AOZ QSA ?

VVV C43 DE AOZ QSA ?

VVV 4IC DE AOZ QSA ?

VVV MFH DE AOZ QSA ?

VVV B2K DE AOZ QSA ?

VVV J2B DE AOZ QSA ?

VVV K.3 DE AOZ QSA ?

VVV ZFH ... QSA ?

VVV BJK DE AOZ QSA ?

VVV KB2 DE AOZ QSA ?

FFF 8 FFF 88

VVV KB2 ... QSA TTT

FFF 87 FF 88 K

VVV KB2 DE AOZ QSA TTT

FFF 88 FFF 87

VVV KB2 KB2 DE AOZ QSA

FFF 77 U

VVV KB2 DE AOZ QSA

FFF 87. FFF 8. FFF 77 FFF 87 FFF 77U

VVV J2Z DE AOZ QSA ?

VVV J2Z J2Z DE AOZ QSA ?

VVV KB2 DE AOZ QSA ?

VVV K

FFF 87 U

VVV J2Z J2Z DE AOZ QSA

FFF 88 FF 87 U (1204z)

VVV J2Z J2Z DE AOZ QSA TTT

FFF 78 FFF 88 U

VVV J2Z DE AOZ QSA

VVV KJ2 DE AOZ QSA TTT

VVV K.3 DE AOZ QSA ?

VVV KJ3 DE AOZ QSA ?

VVV W33 DE AOZ QSA TTT

FFF 87 FF 88 FF 88 K

VVV 3... QSA

5285 kHz, 29-08,1707 UTC, i.p.

N3T4 3D3T T37. 4NA3 76N4 AR QSL ? K
RPT ... K (Other station also on this frequency)
81W AD46 AD46 K
0108 K
R U MSG GA K
R HR 7G
NR 96 CK .8. EEEEE
7G NR 96 CK 99 .. 083. 0.0. =
AS AS AS
HR QSB U QSY 23 NR 23 K
VV HD4C DE XR4H K
A EEEEE
VV HD4C DE XR4H K
R QSA 2 V EEEE R QSA 2 U MSG GA K
R RPT 3W TO 5W K
R RPT 3W TO 5W K
R RPT 19W K
R RPT 75W K (Cont'd asking for repeats)
R QSL 0220 K
R HR WK NR 0032 K
R HR NIL SK

10180 kHz, 29-08, 0628 UTC, i.p.

A HR SVC GA
NR 155143 TO 4306 TO 4446 =
CL. 1500/
CL/1500/GB. EEEEE
CL/1500/ZBT/A696... AR
AGN =
CL/1500/ZBT/A.96/444. AR
HR WK NR ... K
V DKG6 (x3) DE 3A7D (x2)

5708 kHz, 30-08, 1106 UTC, i.p.

7QH/E6W AR (appears to me Exercise message)
= E7QH/E6WV AR K
R QSL 1904 K
R OK R HR F GA K
R GA K
R F NR 7119/EX 190 EEEEEEE
F NR 7119/EX 1905 RMKS 1575 TO 1594 K
R GA K
R F =
R2T6/Y6Y0 AR
= R2T6/Y6Y0 AR K
R QSL 1906 EEEE QSL 1906 K
OK
R HR MSG GA K
R GA K
R MSG NR 8868 Y EEEEE
NR 8868 CK 200 46 0830 1900 RMKS 1594 TO 1575 K
R GA K
MSG 1P GA =
57DT 75NT 3457 7TND 5U7N N7UT 736N 463A TD56 (Cont'd)

8350 kHz, 31-08, 1033 UTC, i.p.

V WNF(x3) DE FXM (x2)

FI 2613 2613 6NP 6NP R1 R1 PKT PKT CDV CDV AR

FI 2613 2613 6NP 6NP R1 R1 PKT PKT CDV CDV AR K

Note: the first traffic log of FXM that I ever saw !!!! Nice catch JP !

M95

9054 kHz, 03-08, 2343 UTC

VV HR 7G TO YR PSE CY

NR 085 CK 2. 35 0804 0620 =

UT5 TT4 3U4 3A4 TTA TTU TT3 773 354 75N

.73 N3D 353 TTA TTU 773 4AD 445 TT3 773

4AD 446 34U 445 4D4 3DU N3D 3DA AR

7G AGN

NR 085 CK 28 35 0804 0620 BT (Repeats message) AR

A hr 7G GA

NR 056 CK 21 35 0804 0641 =

5TD UTT TT...

4397 kHz, 05-08, 1243 UTC, i.p.

05 05 05

= = A43AA567U55 5

EEEE EEE EEE E

05 05 05 (Cont'd)

95 95 43.N. 5D55. 5

4283//7553 kHz, 15-08, 0922 UTC

BNEC (x3) DE XSV70 (x2) V

HR MSG TO YR PSE CPY

NR 718 CK 98 35 0815 1540

... UT3 TA5 3U6 3A4 TT4 773 353 (Cont'd)

MSG AGN

NR 718 CK 98 35 0815 1540

... UT3 TA5 3U6 3A4 TT4 773 353 (Cont'd)

A HR MSG

NR 719 CK 170 35 0815 1540

DTN UT3 TA5 3UD ... 773 3AD (Cont'd)

MSG AGN

NR 719 CK 170 35 0815 1540

DTN UT3 TA5 3U6 TT4 773 3AD 357 (Cont'd)

A HR MSG

NR 717 CK 112 35 0815 07..

MSG AGN

NR 717 CK 112 35 0815 0705

DTN UT3 ..5 3U4 3A4 TT4 773 353 (Cont'd)

ZNN SK

8073 kHz, 27-08, 1140 UTC

V BNGC (x3) DE XSV85 (x2)

HR 7GS GA PSE CY (1141z)

NR 0738 CK 151 35 0827 1547 =

TU7 3U6 3AN 3U7 TAU 773 TA7 773 353 (Cont'd)

4243//9054 kHz, 27-08, 1145 UTC

VV A HR 7G GA
HR 7G TO YR PSE CY
NR 002 CK 31 35 0827 1438 =
5TD UTT TU7 3U6 3A4 354 365 4T7 34U N3D
4T3 U7U N4A 444 3DA 34U DND N34 445 3DA
TTU TT3 773 435 3DU 34U DND N34 446 3DU
4D3 AR
7G AGN
NR 002 CK 31 35 0827 1438 =
5TD UTT TU7 (Repeats message) AR
NR 057 CK 25 35 0827 1628 =
UT5 TU7 3U6 3A4 TTA TTU TT3 773 354 37U
N3D 353 4AD 445 34T N3D 4TA 446 467 4D3
N3D 4D6 3DA N3D 3DU AR
7G AGN
NR 057 CK 25 35 0827 1628 =
UT5 TU7 3U6 (Repeats message) AR
A HR 7G GA
NR 54 CK 176 35 0827 1635 =
UTU TU7 3U6 3A4 7TU 7TA 7T7 75N 33A (Cont'd)

5566 kHz, 31-08, 1053 UTC, i.p.

D33U 3TN5 4NAU N4N5 AUAD (Cont'd)
II = 4T35 D5N5 D57A NU47 (Cont'd)
II II = 7A6T 4573 DA3N (Cont'd)
II II = 7UUD 4N7. (Cont'd)
II II = N35U .463 75N7 (Cont'd)
AR

4243//9054 kHz, 31-08, 1145 UTC

VV HR 7G TO YR PSE CY
NR 010 CK 19 35 0831 144EEEE
NR 010 CK 19 35 0831 1452 =
5TD UTT T3A 3U6 3A4 356 4TA N3D 4TN U7U
N4A 444 3DA TTU TT3 773 435 3DU 4D3 AR
7G AGN EEEE
A HR 7G GA
NR 052 CK 121 35 0831 1602 =
UTU T3A 3U6 3A4 TTU 773 353 (Cont'd) AR
A HR 7G GA
NR 06 EEE
NR 069 CK 18 35 0831 1617 =
UT5 T3A 3U6 3A4 TTA TTU TT3 773 353 DN7
354 37U N45 374 4AD 445 4D3 3DA AR
A HR UP SB U EEEEE
A HR UP SB WK AR AR AR

4364//8073 kHz, 31-08, 1140 UTC

V BNGC (x3) DE XSV85 (x2)
VV
HR MSGS GA
NR 0752 CK 41 35 0831 1614 =
N5U T3A N53 TAD N54 (Cont'd)

4628 kHz, 27-08, 1457 UTC, XSV: Tianjin Radio with the same messages as M95

68347 274.9 14259 07345 297.7 84257 (Cont'd)

NR .SBT SBTS ...

NR NR 701 CK 6. 0827 2040 7174 ?

BT BT (Both stations on this frequency)

38494 31586 562.. (Cont'd)

OK K

R RR AS AS

VVV Q SV XSV VVV

VVV QSV QSV QSV QTC QTC

NR 701 80 71 0827 2110 72 =

?

NR 701 80 71 0827 2110 72 74 ??

NR 701 80 71 0827 2110 = =

48312 40122 78321 (Cont'd)

UM03 – Chinese X2M net

7920//8250//8410 kHz, 15-08, 0848 UTC, i.p.

AR

07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 1508 DATE 1508 =

A764U 435AD ANU43 6UDN5 (Cont'd) AR

09 09 CK 100 CK 100 TIME 1554 TIME 1554 DATE 1508 DATE 1508 =

7UD4T 4D5TU 75D43 536UA 3T576 (Cont'd)

7920//8250//8410 kHz, 16-08, 0729 UTC, i.p.

AR

11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1608 DATE 1608 =

BQSKZ UWL0D MODFV PHJYB (Cont'd) AR

13 13 CK 100 CK 100 TIME 1435 TIME 1435 DATE 1608 DATE 1608 =

...ET CNU.. (Cont'd) AR

15 15 CK 100 CK 100 TIME 1440 TIME 1440 DATE 1608 DATE 1608 =

UGIXA JTMA. TVKMB (Cont'd)

Note: //10462 not heard at this time. Earliest time logged.

6750 kHz, 30-08, 1512 UTC, i.p.

GHFRH HYBJU CBSQN AR W

NR 40417 NR 40417 CK 62 62 AR =

ADB.. VIOK. HOUXO YKLGB IASMZ (Cont'd) AR W

NR 40517 NR 40517 CK 62 62 AR =

YOZfZ VO.VD CNKI. (Cont'd) AR W

AS

NR NR 40617 NR 40617 CK 62 62 AR =

VPJBZ MX.PN (Cont'd) AR W

NR 40717 NR 40717 CK 62 62 AR =

BQWSM ZLILM RBUWS YPILC (Cont'd) AR W

NR 40817 NR 40817 CK 62 62 AR =

VUZLT .IEJK NDNDALDJXW (Cont'd) AR W

NR 40917 NR 40917 CK 62 62 AR =

NQWM LFP.. INHRQ (Cont'd) AR W

NR 41018 NR 41018 CK 62 62 AR =

BSMKT OLSKP NFKAA (Cont'd) AR W

NR 41118 NR 41118 CK 62 62 AR =

FEXWJ Z.RUN TNNZO (Cont'd) AR W

NR 41218 NR 41218 CK 62 62 AR =

..RKY ZHGVV DIQHP (Cont'd) AR W

NR 41318 NR 41318 CK 62 62 AR =

T..YM JJ... (Cont'd)

UM10 - 10-minutes net

3205 kHz, 04-08, 1927 UTC EM4X //4075 kHz. New freq.
3205 kHz, 13-08, 1305 UTC EM4X //4075
3205 kHz, 13-08, 1605 UTC EM4X //4075
3395 kHz, 13-08, 1658 UTC FX7T
6487 kHz, 29-08, 1035 UTC CWS4 (Note: Previously on 6485)

DIGITAL MODES

HM01 - Dirección General de Inteligencia

HM01 oddities. See for the other logs our Logs Section.

8136 kHz, 01-08, 2300 UTC M08a and HM01 mixing

11435 kHz, 14-08, 1556 UTC i.p. Windows sounds and finally new groups 51571 32254 01661 33348 78613 53778

HM02 FSK-19.8bd/129Hz intro, followed by FSK-CW

7761 kHz, 01-08, 0600 UTC

206 58 =

40527 89136 12928 44983 25243 10057 64244 03465 64584 15255
74224 10481 49869 49469 31973 47980 59869 36863 89562 01178
11488 82281 00436 26128 02148 56234 74146 00579 42274 78777
29376 16548 68910 02379 51776 32128 55731 99504 43924 31259
06484 39041 84668 70124 41519 74124 64725 07710 43761 81191
37864 81653 91505 09259 75311 78362 18666
= 206 58 206 58 = repeats message = 206 58 000

7761 kHz, 02-08, 0600 UTC

984 64 =

00364 23816 87835 06036 63486 24182 51236 05381 74813 10863
26781 70888 11377 24136 33344 71284 52275 50318 33272 18032
06607 27526 30718 53631 83637 46072 60441 13413 44056 54112
85777 05100 53762 60485 44108 65711 47562 33863 72164 54130
40433 67554 51574 85145 05133 85217 57526 36488 66535 35104
34677 68046 47781 51357 70802 16073 43867 80043 44652 53382
73680 38325 13277 31248
= 984 64 984 64 =
00364 23816 87835 06036 63486 24182 51236 05381 74813 10863
26781 70888 11377 24136 33344 71284 52275 50318 33272 18032
06607 27526 30718 53631 83637 46072 60441 13413 44056 54112
85 long tone, skips 6 groups, then 47562 33863 72164 54130
40433 67554 51574 85145 05133 85217 57526 36488 66535 35104
34677 68046 47781 51357 70802 16073 43867 80043 44652 53382
73680 38325 13277 31248
= 984 64 000

7761 kHz, 03-08, 0600 UTC

785 68 =

62602 65411 56654 45540 74320 65818 78053 55358 28534 71667
20641 12184 83444 55146 21210 51817 07708 05841 36043 66721
68750 44256 25785 72402 56658 81848 33412 37313 47784 26186
58740 72117 01164 73620 02613 40761 44544 44856 67877 27016
04438 56725 27467 52767 33624 67344 05378 51137 71084 12711
63105 48876 62813 47508 88708 66156 23486 30828 46120 67484
50654 50315 65165 05307 23651 08736 16660 56855

= 785 68 785 68 = repeats message = 785 68 000

7761 kHz, 04-08, 0600 UTC

489 72 =

67006 85230 43212 83830 45550 37851 10417 05728 18026 35682
16303 86182 57173 37172 70437 83064 36440 61634 60867 20710
78134 75358 35515 41552 75452 68003 81551 46348 15510 86628
57323 53676 44254 40543 52138 81113 11385 68378 71306 71773
60750 46380 01005 07442 17833 53672 12346 20632 16076 42112
54832 26002 46646 23156 85064 23036 35705 24248 83837 48315
78338 72758 62877 76115 22860 56674 52653 64558 41152 62742
77634 07051

= 489 72 489 72 = repeats message = 489 72 000

7761 kHz, 05-08, 0600 UTC

631 63 =

66398 40527 89136 12928 44983 25243 10057 64244 03465 64584
15255 74224 10481 49869 49469 31973 47980 59869 36863 89562
01178 11488 82281 00436 26128 02148 56234 74146 00579 42274
78777 29376 16548 68910 02379 51776 32128 55731 99504 43924
31259 06484 39041 84668 70124 41519 74403 64725 07710 43761
81191 37864 81653 91505 09259 75311 78362 18666 52486 34779
27548 06581 32486

= 631 63 631 63 = repeats message = 631 63 000

7761 kHz, 06-08, 0600 UTC

401 63 =

41905 42872 63851 22633 21900 42930 18390 88581 66764 03679
94249 97363 97801 23780 61092 34925 76619 13878 14034 72975
35505 27139 66877 72764 58607 08809 71779 33894 73778 61085
30490 26456 05043 98699 57657 93702 14078 21854 54769 93401
59821 62504 02334 01259 54704 78551 85812 77568 73194 06183
71993 07987 41159 49110 87198 20064 12354 95627 22588 37920
47499 98986 51835

= 401 63 401 63 = repeats message = 401 63 000

7761 kHz, 07-08, 0600 UTC

651 67 =

24482 35452 63334 67423 31053 71824 44070 00265 88530 88880
16802 81054 45743 01112 66336 17381 80014 37604 52727 82187
04684 10821 25178 52776 58506 74182 61225 05512 71524 70867
78567 47323 25184 85217 57370 88614 38083 14572 26371 57588
37335 11344 82252 66244 14300 72035 88408 60623 25772 37507
53657 24882 52857 08072 13832 46742 53362 34122 33083 44024
65274 72194 86823 72573 36643 87757 52245

= 651 67 651 67 = repeats message = 651 67 000

7761 kHz, 08-08, 0600 UTC

294 63 =

08208 01014 87431 95193 43880 32037 30279 62411 47986 63017
19837 48641 46375 36634 66269 54202 60814 80511 49841 83145
72197 45725 86317 07264 34368 00848 61079 30755 32419 90213
14904 24158 54488 40106 86945 54902 57005 27595 39958 88636
00862 52809 73307 39411 99136 96229 50526 21294 59562 06718
65445 17454 61410 02084 19879 47268 62698 93755 54315 84025
78059 00173 20844

= 294 63 294 63 = repeats message = 294 63 000

No transmission on 9 and 10 August.

7761 kHz, 11-08, 0600 UTC

591 64 =

16141 51521 10463 20665 44502 27711 48511 72314 05277 64367
21638 23883 45230 52366 25263 00010 14314 24222 10102 46370
35000 35277 21001 28668 26838 20470 06653 55138 30576 03883
82452 67435 78284 80408 50883 10512 00814 44018 33135 70453
08472 68140 41762 64241 50081 11636 26750 65167 12035 32812
46037 64401 58610 33225 54336 26278 72238 63862 38566 01235
88407 83177 66320 87541

= 591 64 591 64 = repeats message = 591 64 000

No transmission on 12, 13, 14, 15, 16 and 17 August

7761 kHz, 18-08, 0600 UTC

Carrier only

No transmission on 19 August

7761 kHz, 20-08, 0600 UTC

273 65 =

23440 13764 16166 18078 92718 89380 14905 98300 87584 69834
25331 09657 67671 42264 49920 97145 72085 34765 40884 78522
12530 31989 03964 55970 92485 65222 62819 71803 57121 77314
95991 50008 38474 37381 97648 37560 06122 10562 51357 36606
65056 84132 29747 56915 50589 93310 76382 12990 34933 80312
17022 13826 98123 95432 39415 46828 76408 18787 49992 95541
73203 65946 41122 13492 96374

= 273 65 273 65 = repeats message = 273 65 000

7761 kHz, 21-08, 0600 UTC

925 63 =

68949 78669 35428 66908 39146 96613 27734 98584 63741 65473
13966 00968 11750 87704 97509 36012 24387 18327 04452 78574
66011 78477 90599 23498 13212 68588 08508 70079 40427 03634
42088 87481 05183 75982 43820 99783 83578 80451 53434 62576
03814 63120 37891 66811 47346 70438 89232 17795 73747 54249
90345 05994 23756 53968 72316 00044 12484 26989 03239 30717
02360 55365 73541

= 925 63 925 63 = repeats message = 925 63 000

No transmission on 22 August

7761 kHz, 23-08, 0600 UTC. Very poor signal

307 62 =

32771 41140 79197 11170 93265 63120 11401 86489 29948 93999
37714 72255 95497 19086 87794 86xxx 26328 66635 83032 28840
38027 62522 x7572 59851 44420 90556 78954 00237 6793x 15094
73590 61887 81450 17164 06427 066xx 89546 91869 85189 14835
74224 27259 x2152 62460 74636 16544 x3803 32123 37768 47653
13661 x1744 57993 36867 99306 74299 68773 35031 8720x x3264
00024 5x976

= 307 62 307 62 = repeats message = = 307 62 000

No transmission after 23 August.

F01, F06, F06a, M42, M42a, M42b & X06 - Russian Government & Intelligence

F01 – FSK 200/500

15854/13543/11126 kHz, 02-08, 1840/1850/1900 UTC)5761 00000+++++++162

15931/13452/11093 kHz, 05-08, 1810/18201830 UTC)5761 00000+++++++162

15931/13452/11093 kHz, 12-08, 1810/18201830 UTC)5761 00000+++++++162

15931/13452/11093 kHz, 19-08, 1810/18201830 UTC)5761 00000+++++++162

15931/13452/11093 kHz, 26-08, 1810/18201830 UTC)5761 00000+++++++162

14421 10-08-2017 0100 F01 FSK 200/500 (AB-J)

56288 34358 46241 86811 48780 38047 27715 48807 23407 94093
20844 70639 72006 67539 48659 06393 87260 12764 73552 37505
19629 14742 11835 47721 89734 25045 56150 69837 80463 42503
36568 70645 92892 68550 28238 97465 74921 98694 50787 20599
83230 56117 38472 61166 08281 72846 40714 39860 64251 02575
66393 23265 05433 74871 87841 70475 42014 63852 80095 50739
06048 25458 76589 84489 19518 68807 93545 71402 70116 28822
62993 36888 45712 32314 31362 49983 50940 74707 11982 33371
54370 49600 01633 89863 39689 83459 71821 29375 59202 71832
73274 01064 13536 21672 06974 60349 05223 62952 60330 25468
40366 75779 56791 02767 63681 37760 12393 88974 39303 04638
07681 69446 59365 81255 11289 84896 97809 50459 11072 84819
63846 49217 74006 88608 44904 17848 40006 63098 71613 50046
61878 03445 80659 25395 26085 58179 04776 07845 96005 37848
61940 30252 03385 13451 43578 06756 79431 13770 44396 40163
58082 97613 25534 16551 22626 06316 80705 04258 64540 26079
67499 46080 82550 14646 75065 85516 47620 72826 24576 98269
82039 64121 93935 14479 51229 13579 85414 05632 39741 39706
33030 24205 13131 99409 45996 14690 60919 50614 05576 66486
45995 62227 08633 50882 58274 61996 71709 30812 24705 51257
93469 85039 36553 43123 49438 15557 79913 00811 77344 27723
80387 83735 06373 02989 78442 93139 88907 04804 32232 57308
31388 54277 26349 69575 99115 14307 65376 30414 07809 95240
87210 30324 33226 44908 01825 79958 16581 80399 46988 89565
25897 93183 91531 27059 61525 02451 00000

Link 00016 via Cuba

20823/18397 kHz, 11-08, 2230/2240 UTC

11177 00116 49621 11032 01759
76569 37452 54744 30786 88431 49206 89266 49504 87172 72261
06159 49091 77115 97767 36563 94812 93908 85096 38561 15984
81030 44447 63175 96217 85741 85975 38831 89643 33860 48889
77643 03092 54059 46922 47754 81289 36802 10511 08506 46258
62847 24062 99081 31103 40391 96933 80566 40046 26756 98728
29960 27613 21599 14910 75870 48042 96104 22205 52902 83804
09196 25449 93605 02943 51743 14694 22641 28892 88868 38333
80476 89068 79033 37326 52658 79604 10487 08624 79392 83017
89154 92574 99459 35708 19978 25349 02019 62120 73119 05677
40647 48582 60664 62896 07010 13772 64520 29099 45103 78860
46760 97597 85338 37937 87419 09885 84371 38097 99324 37122
02175 17417 11170 40851 66219 64808 10229 75646 37974 91706
08539 41541 55498 38522 27034 63633 44397 25890 24765 71333
85108 76350 80411 35934 15083 56599 07637 61506 50812 26910
42740 32803 70034 92742 52443 86089 22318 34224 51757 16981
33379 86704 84816 85219 96064 99089 31489 67737 12215 09040
13741 13032 17565 42217 24165 78592 73647 97221 63021 56500
34660 25895 06083 32173 00000

Link 00017 via Cuba

16023/14373/16023/14373 kHz, 07-08, 0025/0035/0125/0135 UTC

11177 00117 28304 04032 01659
68635 74240 27201 61949 96942 02368 92867 35359 59799 05210
20636 94840 84482 42779 93984 08059 09182 87684 89837 07196
80528 57257 91739 69987 73652 84064 96659 62887 57022 91381
37614 92018 63420 59449 19934 12572 60141 53577 33207 47681
89372 70647 02916 38285 92034 77165 54681 05189 18109 73912
62665 05431 98776 87325 43575 65958 33199 61714 02580 16970
51329 99606 43054 14585 19967 90597 66818 92954 62767 17186
80786 69618 59661 75563 02598 23861 66134 09682 64230 50728
02354 30718 87422 12172 63608 87089 98426 87859 83647 15944
20000 81719 90934 73178 25312 12926 46969 94095 10723 32871
61912 14607 36522 43964 67462 99678 75267 47118 06660 90587
04660 06265 24142 01034 04062 27275 19006 20249 99503 70494
89008 22562 18130 77214 11363 86635 23726 56802 23248 23857
28877 35390 81655 22125 65889 93470 11018 75306 61828 54396
85185 29076 00732 70713 37639 69598 17538 07734 65558 93966
41507 66816 82537 35518 17682 47733 37789 64645 42097 75446
56514 95271 70061 32163 00000

14373 kHz, 28-08, 0038 UTC, i.p.

Header: 11177 00117 42859 24035 01839

F06 – FSK 200/1000

Link 00052

14984/13378/10946 kHz, 01-08, 1500/1510/1520 UTC

11166 00052 12670 01034 00049 00000 00000 00000 00000

14984/13378/10946 kHz, 08-08, 1500/1510/1520 UTC

11166 00052 12378 08003 00049 00000 00000 00000 00000

16319/14378/11636 kHz, 09-08, 0800/0810/0820 UTC

11166 00052 47098 09018 00049 00000 00000 00000 00000

14984/13378/10946 kHz, 15-08, 1500/1510/1520 UTC

11166 00052 79512 15029 00049 00000 00000 00000 00000

14984/13378/10946 kHz, 22-08, 1500/1510/1520 UTC

11166 00052 79512 22051 00049 00000 00000 00000 00000

16319/14378/11636 kHz, 23-08/24-08, 0800/0810/0820 UTC

11166 00052 38421 23018 01829

36169 46133 49857 22078 47886 04828 63495 40426 69268 96200

08383 97356 66362 53648 14928 65970 10223 81582 43956 49783

02643 87103 33805 94711 89003 36275 96272 91778 26335 30693

93540 40093 57457 68282 35833 98965 91239 03910 74058 44618

71246 13689 36292 89219 51135 46938 69899 45213 57086 72482

93910 67749 53198 51859 10253 50530 93863 78944 82393 34235

57963 77982 05179 46654 06013 00346 86642 76199 97757 68858

32163 76111 51587 90730 40660 54033 02957 86155 69648 12371

28948 15395 43804 33461 00431 24420 18575 87204 59401 85917

94894 68947 28915 34164 31645 56126 96045 78917 28163 23390

02965 74486 31114 59973 01310 52053 22854 73081 46372 89877

63607 70927 78774 26934 70753 15980 27657 21870 71587 93497

42673 39501 67612 05311 55979 17156 82572 56245 47621 23424

26633 94023 17529 60692 21957 71658 97595 52311 53205 58363

05759 67196 74331 14627 30834 56664 03166 24363 35217 97778

91896 90937 68243 24491 27279 06741 96144 78510 48671 51050

25060 25616 43941 55133 78904 27326 66337 21702 27828 18691

20253 35793 63983 95348 44586 68726 54417 35018 55603 57276

18180 00000

14984/13378/10946 kHz, 29-08, 1500/1510/1520 UTC

11166 00052 79512 29053 00049 00000 00000 00000 00000

Link 10031

17434/14369/11163 kHz, 09-08, 0915/0925/0935 UTC

11166 10031 24680 09001 00049 00000 00000 00000 00000

17434/14369/11163 kHz, 23-08, 0915/0925/0935 UTC

11166 10031 13579 23001 00049 00000 00000 00000 00000

Link 10053

17534/15613/12215 kHz, 01-08, 1650/1700/1710 UTC

11166 10053 35791 01001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 06-08, 1530/1540/1550 UTC

11166 10053 24680 01003 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 08-08, 1650/1700/1710 UTC

11166 10053 13579 08001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 13-08, 1530/1540/1550 UTC

11166 10053 13579 13062 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 15-08, 1650/1700/1710 UTC

11166 10053 35791 15001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 20-08, 1530/1540/1550 UTC

11166 10053 13579 20001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 22-08, 1650/1700/1710 UTC

11166 10053 13579 22066 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 27-08, 1530/1540/1550 UTC

11166 10053 24680 27001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 29-08, 1650/1700/1710 UTC

11166 10053 13579 29001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 02-08/03-08, 0600/0610/0620 UTC, unreadable

16346/14847/12223 kHz, 09-08, 0600/0610/0620 UTC

11166 40122 96385 05032 03029

21756 46609 39941 37023 24945 54195 59018 52882 80334 80272
78317 10237 52960 80367 02202 39576 13594 75015 41721 13015
82170 35642 87772 28865 44358 36171 12879 39260 83462 81287
56261 94295 94848 47302 71909 01097 75068 96548 44321 21284
02891 51255 01602 55233 54400 37826 80627 86610 19380 37466
23933 85582 11138 04102 13030 94162 86989 35511 67844 42126
21564 08625 66944 66923 00133 14916 68266 36037 24149 56834
35007 95217 46173 91206 96388 91038 76388 30547 97967 41201
27884 38218 21186 51030 92889 78378 76844 99605 67163 06646
02192 43949 64705 12430 16316 14728 89991 48852 13520 01889
59919 11212 99374 53675 92641 49918 99138 37465 05487 28831
93222 35854 89144 64954 59395 76437 50314 10413 26419 18717
39994 62648 68789 46572 09602 13784 97282 39747 62115 75074
24992 22761 90423 37404 13536 14711 20067 53746 29128 28387
98564 54542 63205 92140 98508 31921 97289 92943 26612 53708
16772 64081 55910 93155 03317 65902 23284 85332 60564 33083
59510 46111 52818 86825 44018 14695 61413 35441 01533 05607
88443 11741 82810 81104 62544 20691 96639 79925 26409 95751
85296 63330 10733 87347 60649 64365 24270 31906 43091 51280
14695 74897 70495 41051 79944 46317 69373 23931 34743 12046
05434 84981 61985 49527 55719 33506 03678 21202 69510 76337
71106 44125 10193 95908 78943 79225 95265 19040 32954 88615
76679 87397 26019 34418 28699 65545 22130 17532 35470 47523
33072 79765 95480 47911 17466 17808 85102 88297 56856 82429
48408 15093 88547 61394 05440 09633 99857 69488 96122 76501
13488 94122 02013 21016 18694 69933 13066 51809 27947 80826
31604 69442 63763 12906 30693 27001 05410 06707 09082 73590
50145 82194 09932 16684 68711 34947 95487 64256 59744 26972
94897 32637 32802 20585 67372 31029 74690 28793 47850 58618
78778 80625 67382 75224 41990 24833 65404 31420 59155 20411
32300 00000

11166 40122 82974 05033 02279

36093 69062 69420 87377 75993 28171 34386 16237 25100 21096
52681 59574 18582 59896 40640 54219 91347 47893 33791 47412
02620 71313 88822 25411 72722 51966 90736 67974 49260 46896
94851 77170 44883 05949 58370 53926 13817 23175 41177 20779
59351 43029 80561 14255 89475 07289 69559 95306 62843 53628
93590 51266 92255 01796 05089 87729 97857 88326 40801 33825
27221 35724 11461 09297 84513 67051 18497 26845 35939 01877
77498 28151 83631 94497 53089 77037 25195 00390 34927 58190
41075 81814 09498 54893 76950 88529 07398 04190 13333 74529

30796 52936 39556 36757 90757 63165 74354 86732 09114 40206
00209 91024 64578 81993 03641 41505 87781 73006 38667 41334
34926 71277 55572 17597 94731 61895 62210 96541 08384 75463
10004 02358 07144 94925 21849 65413 97330 99211 04094 50918
47348 17140 09787 43924 56458 90007 45391 51616 09969 66311
38131 08822 50548 77034 06177 97681 20326 64935 98851 17422
53495 66285 99040 65159 24081 68473 04997 13672 78579 91936
33726 97094 08139 69842 13149 40448 39990 23960 55210 93960
52792 60162 27139 58113 45600 31992 63040 10338 15125 45740
83005 69322 20989 05451 11926 57843 43655 21320 15207 50077
64715 29902 93563 14313 24237 99570 04081 87027 34840 19678
99733 39228 57207 96830 04557 21032 66701 06745 66631 95396
65787 75097 56115 96956 21939 85818 00452 76883 35727 40270
74000 19732 68764 15731 84227 33225 00000

16346/14847/12223 kHz, 16-08/17-08, 0600/0610/0620 UTC

11166 40122 12345 16017 00049 00000 00000 00000 00000

16346/14847/12223 kHz, 23-08, 0600/0610/0620 UTC

11166 40122 85296 19034 03779
13770 68869 55915 83887 87366 47506 10089 98280 69839 76739
62382 99272 16850 44228 72845 70874 42285 63522 04806 82629
33387 43464 40634 12188 82388 40112 10108 30874 33087 83368
92308 56923 65800 95506 76994 06090 69141 43774 96378 94302
72036 94272 63259 72053 34447 59284 76435 95220 20216 55255
79340 62001 00473 13602 82837 70642 61057 11539 88120 77661
12373 15120 70635 61248 25121 51660 10987 19521 40357 53756
83751 58338 27296 42063 40133 48351 87308 39038 45413 55975
27549 30819 57114 77981 52648 19442 54830 34386 47911 32579
57651 99323 52454 82974 90123 74608 45723 94788 82685 35643
95827 39010 17508 04391 43127 45149 55686 29083 17512 81379
06719 75342 12809 20330 26201 58438 66756 32703 52692 71326
19987 75923 19663 88181 52439 69977 03497 48112 20661 77662
93445 48730 44426 31410 94510 04275 16099 73878 99164 47975
31196 04508 88854 83339 63579 49213 51238 14053 33704 95412
24068 07184 43387 59578 01685 69368 75499 79484 65038 40684
82051 48366 21184 35870 09090 33140 63186 87614 31843 43913
86376 71569 98565 46937 21889 17795 06510 38210 73422 38319
58459 19913 68163 25491 73274 46861 57804 00833 48868 35167
30596 19060 01074 50294 20380 56963 26819 16698 23521 41850
65054 16228 59692 99217 53884 67492 37448 24352 07310 03373
10517 07542 60052 88856 35749 67593 53874 46402 68674 73333
63843 81004 57580 57787 87969 22157 22078 54721 48674 24894
27065 12234 79491 97107 88044 63087 95479 45312 68724 56465
70752 56065 56844 80841 71576 55211 29156 32648 18477 12146
41508 10441 75781 81293 04963 39227 92043 97974 33882 54669
39781 70851 76932 01828 27973 38153 66930 28155 85742 79847
50471 75401 40673 02966 83291 00148 40187 42254 02278 77626
89432 43346 10084 68540 04107 20640 33277 53554 01662 07080
39959 65144 79325 38004 27798 71510 52381 36274 18406 92210
51125 90860 19004 50240 99970 46063 37306 90204 27104 43578
60571 17310 78155 84570 34740 36829 32301 03964 04622 98752
44253 74119 01040 77297 60559 80099 85898 39969 83661 33697
91093 85859 82142 18428 12200 57873 70604 82660 42901 58569
07607 23086 61055 24295 85120 25700 02380 37316 07912 56496
82655 80622 86309 19053 54416 65091 90791 21199 09036 83706
41821 17958 60175 72514 33373 22937 69502 83006 13597 05372
00649 95609 71038 14995 12312 34375 00000

16346/14847/12223 kHz, 30-08/31-08, 0600/0610/0620 UTC, 2 messages

11166 40122 34675 26035 03029
94126 90556 59667 58217 31892 09596 93341 55996 52881 00316
02259 09506 26675 08632 81115 92792 01322 38829 46520 39857
76576 13489 05399 30410 51453 05002 81299 65182 19533 05849
34558 10479 10458 29844 37243 16651 01059 61513 88820 40188
44551 95815 83483 24102 91230 35370 65078 16309 99109 37408
30564 30681 57937 27600 67946 80465 75031 22981 39621 38748
96367 31137 47064 05662 61356 17850 37811 87017 14753 60385
40651 14052 24131 28618 39993 58965 76360 61171 25313 25966
51528 28767 76656 22470 97735 01964 72094 40182 55214 65489
28103 00715 03194 46327 08785 45451 27963 47776 64874 74334
35560 06638 88470 63268 57525 15753 94429 14817 23166 79041
64346 21898 96748 91263 14082 49146 03089 59665 70760 61646
89938 09711 70171 55708 00644 42081 10527 71387 55480 33136
23498 91430 65127 96011 48478 56331 24705 44560 21001 50188
61810 27297 11266 37052 37005 23568 73687 52447 20175 19100
93423 79759 91204 03143 40813 66168 38413 54371 69662 57823
53174 07755 20313 58948 44167 19559 13433 44547 19698 72694
45476 81424 11519 89568 21726 37187 38593 44660 87883 81920
34236 93975 46127 12233 85073 63595 66579 52345 55259 64485
30124 11926 94371 25770 63507 05342 52451 63644 52660 62034
50599 28122 45186 82683 80581 94800 77938 20875 31872 93837
90640 94926 69576 93314 11475 59591 11671 79192 25582 92304
79001 99022 62407 73671 16463 61634 62836 66879 08815 09945
12047 25724 39564 09121 49025 85936 66349 17247 88681 19501
11264 30704 17495 56639 89562 21450 48636 05173 25183 08367
47497 21922 26523 29895 63571 15851 20900 10109 29616 87638
71155 35451 14040 35359 22811 84283 37450 80965 55235 76475
89294 97260 35251 35181 05544 40045 96623 78026 93339 15128
93859 79868 13562 34886 03767 74325 57234 44068 73199 86270
76723 19514 36435 12464 57651 73497 50620 92512 42480 15366
35300 00000

11166 40122 70412 26036 02709
22715 37366 41680 51163 26381 07500 93445 25941 32252 58004
57878 38417 00013 92755 56576 82699 05742 94851 93581 96737
02938 25508 18600 22209 40676 08599 18456 05507 87335 43026
47696 94544 33328 10114 34300 11032 71262 68204 21424 02939
77001 51653 31106 06817 40017 16401 60904 74674 16518 99321
49357 45088 03756 83520 71250 63240 58963 86782 48588 79568
11363 15351 88241 81722 40675 50222 82184 39499 20567 58153
31262 67460 50488 44557 78442 34913 24309 90490 62470 77938
09227 40898 27871 93159 33355 36321 52238 17937 05445 05256
76747 26676 15170 59329 50825 97932 87418 58510 26920 32013
89028 38514 66307 23744 11392 17613 41865 20108 77388 25022
48762 17431 46063 18054 58992 77805 13502 80237 80694 69443
33331 17571 08195 60635 05287 95115 73713 22020 05287 81106
36660 16833 55443 90768 71470 83836 57454 47028 39919 42612
37817 00304 58831 75902 78284 74577 99154 68691 30023 31906
77307 08712 34896 72590 24755 78065 02309 13175 46740 90641
15067 09456 06118 55029 62669 16713 93223 67598 25480 04323
67706 65450 58220 66960 83288 93916 46211 99566 31353 68294
32810 28278 64332 34511 41474 14495 84813 58397 40890 74286
11298 98268 26610 80312 56571 40487 17629 38453 79599 02704
91334 56332 96897 34461 05284 45925 64310 69851 79224 27433
65146 11907 35814 26616 65585 53419 23463 82771 23318 63874
69748 09542 60343 97182 38830 75745 35860 99903 91305 98408
80197 24638 69948 65202 75720 78293 59758 28447 95634 59894
95770 37901 36655 67629 17051 04497 06444 79829 90323 12224
51782 39553 51666 20345 38396 97480 39704 23134 18385 92787

18747 59312 46177 76699 15313 88390 28968 08411 36268 00000

Link 40133

16289/14461/12176 kHz, 05-08, 2100/2110/2120 UTC

11166 40133 13579 05001 00049 00000 00000 00000 00000

16289/14461/12176 kHz, 12-08, 2100/2110/2120 UTC

11166 40133 90215 11032 01549

39491 15058 74969 73572 93242 74647 04385 05053 35153 96830
09975 56314 79715 86851 11193 84556 24533 37588 96077 51298
66540 94783 84066 09148 62663 05485 51922 83961 38608 49561
15904 91865 69937 85648 25056 83826 39599 94619 75613 23315
57099 57172 86950 47171 34685 05158 17627 75104 54246 74634
13982 82488 61795 90745 68933 98776 82940 76468 26728 10794
27923 14568 55157 53308 77316 71634 33623 16663 76257 36414
71796 87687 84750 15351 15300 59261 85086 37944 12925 75947
95419 06143 39688 57510 36594 21801 12898 29196 29225 44818
56216 53124 03498 02208 33077 36471 56258 60878 33413 24866
83051 22190 09380 77408 03479 60791 90489 00264 74195 08282
70707 01636 79111 28281 12220 17326 05060 36346 57705 96435
92418 29510 99684 01659 07717 54579 70971 08541 54494 40763
77020 92912 71556 92897 13988 81652 59722 94846 02374 56788
85392 15185 14199 59454 97003 41245 07556 35937 01372 25426
24392 99143 32152 00000

16289/14461/12176 kHz, 26-08/27-08, 2100/2110/2120 UTC

11166 40133 25793 25033 01829

57531 45062 74969 73572 11382 04651 04385 05053 53293 26844
09975 56314 19549 69683 61367 97307 65909 00632 77605 61991
50073 51019 72404 01274 39558 76618 60889 53446 76207 37439
04433 85930 96554 95846 10484 13392 47780 03271 21964 95845
78957 60017 53679 53504 42829 40679 70628 22851 60184 98219
62860 25400 20258 28241 11187 86263 63860 04989 96744 46903
62022 93115 33489 12280 30244 75391 77073 63879 67843 11545
51006 49129 42443 06104 48694 68745 74543 46072 27376 91294
84123 49427 85365 98703 94512 21653 30661 00891 25491 28872
01775 55729 01056 16195 05397 08566 50434 64402 44601 20039
36717 74502 98005 34783 47023 94444 91229 65732 85984 32394
98636 13426 99758 04764 22292 12638 41361 48017 05514 57915
37877 65872 84539 28858 36288 47603 69395 80596 96227 21303
13158 32993 03658 50371 95117 68899 09936 58997 79187 71266
98969 38659 87284 77890 16512 22492 31093 90771 85933 26731
01526 50478 98408 04100 76420 11424 21931 39287 98489 72718
50585 33628 04951 26348 39406 79441 53171 64003 06594 67973
04996 04138 92768 71024 67889 07157 50377 73647 44325 96243
33180 00000

Link 50046

16153 kHz, 05-08, 1050 UTC

Test 464646464646 464646464646 464646464646

16153/14438/12216 kHz, 05-08/06-08, 1100/1110/1120 UTC

11166 50046 34968 04005 00669

49969 89071 95903 40530 06036 73686 50196 63673 44184 30167
73902 82228 87547 46043 81595 94395 52021 96148 66050 78004
35598 18523 08820 59802 31760 11314 83748 28156 27173 48681
84445 44263 12638 21743 82545 68374 70330 16014 83386 76513
05287 29586 15959 29249 87564 32371 61883 64557 29123 47789

36687 44317 30717 65505 34668 39687 89800 69196 96891 21851
58430 75334 22602 84576 05064 000000

16153/14438/12216 kHz, 19-08/20-08, 1100/1110/1120 UTC

11166 50046 91586 18006 03529
32899 59085 95903 40530 99966 43690 50196 63673 37014 00171
73902 82228 07731 10389 62310 28604 90658 85539 72768 40231
49186 94601 99023 97607 83465 31409 14701 83119 00900 64860
78496 12213 44620 03982 52164 45325 48160 82505 23050 01461
42096 97541 85162 67588 47145 86844 92113 64039 98088 56392
35129 17812 28796 46400 70684 42553 25840 88995 59596 89701
91373 38498 61132 06901 67635 68216 21396 07999 81062 89590
83978 26580 26797 80413 78595 19192 30546 98004 06963 11501
99540 75909 15056 20160 74793 70924 05013 75806 37403 75567
27259 59138 31437 67575 97723 56415 54791 98188 41020 08251
17168 16110 97850 48934 24552 19135 07783 45021 00834 06774
06646 17605 42757 56479 68311 08213 95295 19969 47006 87799
96671 76752 58324 55089 61493 99957 62154 67732 05251 42334
27992 44607 87143 60782 00444 93706 64434 55597 03580 44058
08617 34938 33553 53353 47437 21812 67432 62690 56243 72077
64935 67110 85792 35862 51817 60672 12634 86428 17733 28205
79564 34354 68302 53504 38692 03260 50593 57240 70569 83840
31188 25328 14570 90358 38395 77019 08192 72219 13570 37562
37558 99196 76796 02221 49966 51053 73395 04046 16134 02864
30675 60907 85835 11449 44171 99341 73407 44328 66828 44472
52971 64967 47109 84341 90193 69298 89685 41726 98338 51671
56614 90428 12447 62436 77955 52859 68995 27621 48469 50203
77758 23089 23877 81952 89927 47129 92351 54223 12893 24038
89538 21970 13973 68340 72372 35297 61520 17924 30916 27522
08351 89958 03413 06627 56658 08234 06281 61868 38329 56103
68241 42028 90442 77531 06499 92067 70867 05571 23378 75638
24560 79844 83743 58984 02816 56926 01729 07348 70166 23365
25205 01429 10507 90299 32990 85181 11183 42113 85683 66444
30347 80001 49047 11355 54638 24919 70730 84809 16613 36961
19681 05337 08546 64314 26438 53914 83089 42645 51044 14049
46352 48526 50192 65693 69021 22256 60692 02369 07827 08538
59178 34683 06136 06052 56744 05186 59541 71393 93064 91752
28777 24138 18507 82633 02837 03562 04952 46706 94394 77310
58141 90378 92768 47637 55190 57801 36164 83516 28466 23273
21329 59197 96381 16595 92908 41900 33251 64293 70875 98325
06350 00000

16153 kHz, 26-08, 1050 UTC

Test: 46464646 46464646 46464646

16153/14438/12216 kHz, 26-08/27-08, 1100/1110/1120 UTC

11166 50046 47315 25007 00689
23839 79092 95903 40530 80906 63607 50196 63673 28054 20188
73902 82228 31834 54741 26870 11546 95688 06221 69299 23319
05244 68247 98860 66020 91638 60397 46487 47396 35367 10265
88300 41857 94605 36579 97873 16680 83885 53779 83692 15901
52907 69637 57146 63345 03550 76849 34052 83874 36950 24215
78663 74317 77892 36864 98975 57507 75237 80305 96803 25865
69357 20851 25817 21920 60002 50054 07066 00000

Link 60146

16321/14881 kHz, 10-08, 0200/0300 UTC

11166 60146 00000 10143 02459
33749 51833 76431 91726 61773 65150 99148 36656 96551 56770
81326 45175 13545 44880 93367 41648 71271 80554 58000 51498
30816 14006 25291 95053 18781 78125 34087 13508 50890 75247
89581 75468 58426 78064 11664 37489 84682 80651 33769 57053
43622 60518 56900 81440 57935 37638 88514 60896 18679 41383
20959 59570 33678 21312 29142 62633 56895 62734 92139 03035
15937 93011 68405 56315 79890 89503 79284 76933 34694 25121
80518 74524 58191 12411 26420 53547 12104 32115 56420 64740
93067 57141 58657 41835 09950 07874 90307 21960 79618 99778
59342 73173 58357 69228 97399 77562 51109 88482 78452 43349
65750 05774 62969 44428 04556 71419 72246 10801 10071 35917
22610 18305 07561 30940 74161 51113 11231 69186 73764 35422
86400 24012 96961 67758 84828 74783 18495 86365 95361 28896
66137 59086 77108 56387 37506 86187 67321 98080 84552 41567
81169 33212 95420 00776 45594 17456 28347 29288 34432 27309
77304 29473 97005 71749 74076 69688 97341 57124 56434 43942
06237 16200 57120 35558 13334 37299 93324 83284 51408 54489
61325 73276 50047 84728 66003 05404 60913 22927 39902 07303
21778 30862 31530 94627 51507 80870 67580 00925 93197 40264
18774 25574 47640 07412 23999 73242 64309 35413 52435 83265
82047 04308 08362 72419 36661 27759 08319 39500 77580 05152
85330 05166 60805 55028 99856 85463 10295 90814 62177 22488
65011 24776 95883 20604 53788 11116 97179 61677 65225 64192
69660 97741 04784 12755 39273 44550 56281 76160 79142 24439
89966 73495 98943 31947 00000

Link 70004

16186/14571/12153 kHz, 12-08/13-08, 0900/0910/0920 UTC

11166 70004 37629 11097 00809
73716 25777 37810 73826 20596 99505 87887 14391 32983 56640
20526 71815 76391 54845 53247 35419 09154 98587 70712 91788
12925 56020 73170 30344 29717 59738 17760 90751 13809 90845
51518 30998 74292 24335 44921 64145 16510 20586 79315 00339
08898 49829 74330 90990 30489 93926 63471 09776 01599 73693
35004 31062 54961 95160 27637 93187 32343 39180 25605 03235
17178 66820 98485 36481 76883 16027 33846 76506 30931 22709
29586 56065 92836 81576 15197 07382 11159 62321 97078 00000

16186 kHz, 26-08, 0850/0851/0852 UTC

Test: 46464646 46464646 46464646

16186/14571/12153 kHz, 26-08/27-08, 0900/0910/0920 UTC

11166 70004 37629 11097 00809
73716 25777 37810 73826 20596 99505 87887 14391 32983 56640
20526 71815 76391 54845 53247 35419 09154 98587 70712 91788
12925 56020 73170 30344 29717 59738 17760 90751 13809 90845
51518 30998 74292 24335 44921 64145 16510 20586 79315 00339
08898 49829 74330 90990 30489 93926 63471 09776 01599 73693
35004 31062 54961 95160 27637 93187 32343 39180 25605 03235
17178 66820 98485 36481 76883 16027 33846 76506 30931 22709
29586 56065 92836 81576 15197 07382 11159 62321 97078 00000

Link 70048

14976/13373/11168 kHz, 02-08, 0800/0810/0820 UTC

11166 70048 53164 02073 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 09-08, 0800/0810/0820 UTC

11166 70048 54321 09057 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 16-08, 0800/0810/0820 UTC

11166 70048 12345 16003 00049 00000 00000 00000 00000

14976/13373/11168 kHz, 23-08, 0800/0810/0820 UTC

11166 70048 17345 23037 00049 00000 00000 00000

14976/13373/11168 kHz, 30-08, 0800/0810/0820 UTC

11166 70048 68402 30097 00049 00000 00000 00000 00000

Link 70059

10748/9139/7424 kHz, 07-08, 0400/0410/0420 UTC

11166 70059 52014 07019 00049 00000 00000 00000 00000

10748/9139/7424 kHz, 21-08, 0400/0410/0420 UTC

11166 70059 13579 21001 00049 00000 00000 00000 00000

Link 70147

12223/10186/8094 kHz, 12-08/13-08, 0800/0810/0820 UTC

11166 70147 18953 11063 01429

84335 93197 90678 58128 60901 73974 83470 94306 76795 67305
88734 84902 90203 57700 83060 50112 45821 58722 31195 40928
69640 89726 58973 28008 18386 75081 13672 26027 68080 01555
23941 06137 32731 34847 26271 50379 46700 63865 56707 39866
61571 74012 15583 33419 81574 97885 33341 62947 93939 08206
77296 31147 55507 28830 38722 16759 33689 38258 14527 21294
82197 97400 52846 62194 27039 56719 13136 14243 99746 47935
14492 19832 21581 14650 57002 43980 34728 94182 88043 53098
04052 17910 81474 64013 95569 07456 50221 84656 18970 56994
81725 61356 40463 27713 62017 13763 61435 68253 76477 93870
81199 02597 92981 79121 50877 59694 51299 07010 64007 59007
44964 33505 56973 82006 35531 73896 79441 12321 73846 64606
28305 70548 74621 66521 38449 44497 71243 33044 58144 19769
68672 09609 16643 58939 64505 89912 56993 72088 68859 67741
63140 00000

12223/10186/8094 kHz, 26-08/27-08, 0800/0810/0820 UTC

11166 70147 36987 25064 01509

58665 23101 90678 58128 34231 03988 83470 94306 40025 97319
88734 84902 58149 38976 89252 89179 16378 14052 85280 31769
84147 15192 26804 97099 96376 48040 54123 44955 74181 55518
85763 88357 45167 43114 94860 17074 28933 71462 37789 80657
84191 97796 58044 06906 48897 27605 61539 07318 67366 82305
46928 80953 61028 13514 91776 88992 19310 56411 58634 18748
67703 90580 69939 80893 58244 49864 67498 07831 57874 40783
36943 66015 26972 93186 70779 53307 13053 94594 01678 90805
50480 34209 21789 96808 55243 57787 18889 39119 11927 59965
89789 51209 76344 22712 35395 90653 81901 02985 53959 55122
82654 23777 59776 99348 93909 61176 58236 30645 83895 80950
45674 04069 89694 22828 41995 90464 18514 31573 20684 23170
75660 93864 43321 34199 11107 16662 91668 27183 64710 31209

97482 02951 11782 82205 77694 72629 71062 33478 08217 44825
20082 58592 75786 26948 85445 17941 01027 47056 41480 00000

Link 80214

14978/12216/10164 kHz, 03-08, 1330/1340/1350 UTC

11166 80214 10826 03092 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 10-08, 1330/1340/1350 UTC

11166 80214 25489 10014 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 17-08, 1330/1340/1350 UTC

11166 80214 25489 17055 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 24-08, 1330/1340/1350 UTC

11166 80214 16479 24061 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 31-08, 1330/1340/1350 UTC

80214 86045 31092 00049 00000 00000 00000 00000

Link 90073

17455 kHz, 02-08, 1220 UTC

Test: 464646464646 464646464646 464646464646

17455/15923/13388 kHz, 02-08, 1230/1240/1250 UTC

11166 90073 13579 02001 00049 00000 00000 00000 00000

17455/15923/13388 kHz, 16-08, 1230/1240/1250 UTC

11166 90073 13579 16001 00049 00000 00000 00000 00000

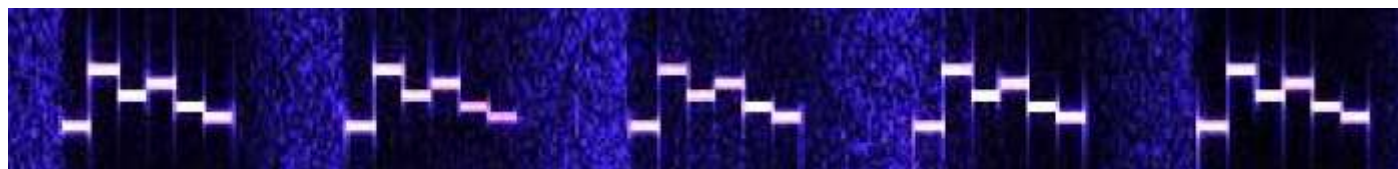
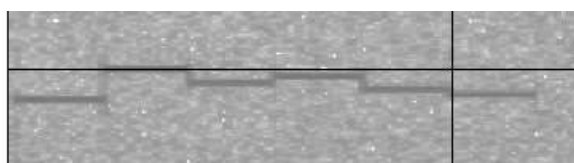
X06 - Mazielka

Three people asked for the X06 tones in Hertz. Here they are:

1	2	3	4	5	6
820	850	880	920	960	1000 Hertz

When you use a program like Spectrogram you can clearly see the tones:

1 kHz



Sequence: 164532

X06b, 14818 kHz, 23-08, 0820 UTC. Sequence: 1—6—

Stopped at 1000 UTC but the carrier was still on the air, then at 1020 UTC X06b again. Off at 1027 UTC and on again at 1028 UTC. Ends at 1541 UTC after t hours and 21 minutes !!!

Code	Freq	Date	UTC	Day	Details
X06	14615	1-8	0803	Tue	Mazielka i.p. Sequence: 125643
X06	15989	1-8	0823	Tue	Mazielka i.p. Sequence: 125643
X06	13438	7-8	1003	Mon	Mazielka. Sequence: 166616
X06	13438	7-8	1024	Mon	Mazielka. Sequence: 166616
X06	11153	9-8	0802	Wed	Mazielka. Sequence: 465132
X06	14560	9-8	1104	Wed	Mazielka. Sequence: 621543
X06	12213	11-8	1003	Fri	Mazielka i.p. Sequence: 615243
X06	17463	11-8	1004	Fri	Mazielka i.p. Sequence: 256134
X06	14595	20-8	1338	Sun	Mazielka i.p. Sequence: 452163
X06	10193	24-8	0942	Thu	Mazielka. Sequence: 164532. Ends at 0946 UTC
X06a	20146	11-8	1036	Fri	Mazielka. Sequence: 616161. Fast version before E07
X06a	20146	11-8	1038	Fri	Mazielka. Sequence: 616161. Fast version before E07
X06a	17000	11-8	1104	Fri	6
X06a	17000	11-8	1208	Fri	6
X06b	13430	8-8	0957	Tue	Mazielka i.p. Sequence: 1--6--
X06b	13430	8-8	1134	Tue	Mazielka. Sequence: 1--6--
X06b	16632	10-8	1049	Thu	Mazielka. Sequence: 1--6--
X06b	16453	10-8	1134	Thu	Mazielka. Sequence: 1--6--
X06b	16453	10-8	1235	Thu	Mazielka. Sequence: 1--6--
X06b	13438	20-8	1835	Sun	Mazielka. Sequence: 1--6-- before XPA2
X06b	14738	20-8	1836	Sun	Mazielka. Sequence: 1--6-- before XPA2
X06b	14818	23-8	0820	Wed	Mazielka i.p. Sequence: 1--6-- Ends at 1541 UTC
X06b	13881	23-8	1639	Wed	Mazielka. Sequence: 1--6-- before E07
X06b	10238	25-8	0825	Fri	Mazielka. Sequence: 1--6-- Ends at 0830 UTC
X06b	13438	27-8	1904	Sun	Mazielka. Sequence: 1--6-- before XPA2
X06b	14738	27-8	1905	Sun	Mazielka. Sequence: 1--6-- before XPA2

XPA

10868/12168/13368 kHz, 02-08, 0600/0620/0640 UTC

813 813 813 000

04405 00001 00000 0140

10868/12168/13368 kHz, 07-08/09-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1

08491 00093 13308 84429 54307 75642 95336 23215 00787 09798

74970 41598 60620 84226 99027 29166 08743 94822 99986 32184

42587 26960 07342 05959 95527 96855 72409 64711 13339 50942

54309 75434 59015 87700 30096 77538 40775 53677 55811 59670

02919 89830 51337 28166 88284 89886 98977 44570 27045 13528

96261 78507 65252 98023 20141 23147 69480 04003 75611 59696

18703 06578 44590 56733 84483 34937 40184 65262 02188 46726

20326 54953 16961 38343 78704 24906 22310 15660 22730 41732

40799 31847 58707 17020 03922 62355 63571 64611 64257 84436

72593 34858 38759 52254 15408 00710

10868/12168/13368 kHz, 14-08, 0600/0620/0640 UTC

813 813 813 000

01121 00001 00000 10140

10868/12168/13368 kHz, 16-08, 0600/0620/0640 UTC

813 813 813 000

04120 00001 00000 10140

10868/12168/13368 kHz, 21-08, 0600/0620/0640 UTC

813 813 813 000
06765 00001 00000 10140

10868/12168/13368 kHz, 23-08, 0600/0620/0640 UTC

813 813 813 000
03031 00001 00000 10140

10868/12168/13368 kHz, 28-08/30-08, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
05373 00067 22727 93599 23625 54026 90245 50858 13319 38107
00844 91840 17574 92036 39901 45083 19767 47337 63556 46365
26647 55507 57166 60551 70732 24764 52798 91102 43661 97035
31444 59819 14044 99925 48180 11899 33183 59802 78713 02187
89364 74899 01489 36592 17118 52763 85096 00872 96515 98405
28917 52672 28146 54978 84882 04921 71764 59353 01889 23555
80317 54858 66653 80580 52119 56070 45357 79922 74036 20601

XPA2

20049/18549/17449 kHz, 01-08, 0700/0720/0740 UTC

03402 00001 00000 10140

16314/15814/14514 kHz, 01-08/03-08, 1900/1920/1940 UTC

06759 00143 98459 90218 56078 46065 93901 07951 86613 07200
31436 49187 35145 46984 54147 15968 10573 09540 31159 03113
21862 71724 97219 64054 44526 88343 40910 64408 02143 19671
93071 33699 06709 76116 88845 80264 25993 54463 12233 54764
76720 14080 70673 75229 81095 73104 71899 02404 17150 38708
53789 03588 31425 83901 42549 84847 24445 63733 84307 09036
58515 53593 55916 75343 91411 97802 89421 84280 45854 23383
87040 80136 38617 72482 80741 54002 49292 53604 85392 12525
93496 29725 57817 67680 93098 04078 67703 26895 43291 22179
43042 62457 27710 88472 46271 00137 54201 69472 95900 20417
92193 47943 34974 59099 90621 98700 06838 58694 88372 23022
65687 23589 12308 19982 95459 76608 47890 50916 91426 17472
67804 23181 51005 85842 29850 80210 97188 30132 16386 74434
86929 56016 58879 27352 83717 36067 14573 71158 21614 43052
49026 69531 07503 97617 58647 62447

14738/13438/12138 kHz, 01-08, 2000/2020/2040 UTC

03590 00001 00000 10140

20049/18549/17449 kHz, 04-08, 0700/0720/0740 UTC

05509 00001 00000 10140

16167/14663/13923 kHz, 04-08/05-08, 1900/1920/1940 UTC

01389 00107 14695 44926 79855 24811 34699 36327 02982 85958
15466 82654 02991 22683 47186 89858 93176 46373 80116 65651
13216 27134 63135 16776 22069 58396 32149 19063 63511 16639
03327 33835 03426 50029 03751 75374 16916 49142 70955 74132
64595 41940 76279 67810 07854 86975 88592 23848 17805 05447
34943 74380 97015 88842 75126 86378 19002 62640 50882 68123
50403 12022 55613 22396 63289 43182 67591 34904 84642 61774
00688 34663 06054 09303 42178 36455 59068 01527 48849 26584
33822 81271 01349 75648 33465 17929 77404 70584 33025 39598
60526 29481 58037 02936 01922 05639 18398 50047 77316 48139
20922 04037 05129 31655 20203 08587 04197 78784 06791 23735

14738/13438/12138 kHz, 07-08, 2000/2020/2040 UTC

09937 00001 00000 10140

20049/18549/17449 kHz, 08-08/11-07, 0700/0720/0740 UTC

07028 00127 81329 40824 39844 38109 23895 79733 73625 24530
85525 53182 92400 74143 72644 35553 00450 68196 56734 48566
04515 39369 20943 59084 91165 16049 47293 56057 57284 55866
57936 82992 43801 21538 10817 21290 87010 51256 47184 23720
42080 38281 27459 26977 33570 44958 53656 94132 78101 94429
69059 73421 24918 42659 20327 23262 56057 41297 56967 45529
78017 42642 22280 52385 68440 89533 84581 56226 38402 46278
89658 56062 58297 13334 95363 83142 67074 73474 09299 19285
64905 67997 89208 59297 26660 57338 00762 06386 17438 19060
85443 14379 53781 92190 72908 69559 43513 95309 32213 66889
76398 97629 14367 62452 09916 01879 61693 70024 94452 60785
45516 29645 94396 71180 73179 84124 21595 87135 02401 95619
47687 74104 43466 40916 28242 85796 05548 10885 95827 26132

16314/15814/14514 kHz, 08-08, 1900/1920/1940 UTC

06918 00001 00000 10140

14738/13438/12138 kHz, 08-08, 2000/2020/2040 UTC

05481 00001 00000 10140

16314/15814/14514 kHz, 10-08, 1900/1920/1940 UTC

09599 00001 00000 10140

16167/14663/13923 kHz, 11-08, 1900/1920/1940 UTC

04801 00001 00000 10140

16167/14663/13923 kHz, 12-08, 1900/1920/1940 UTC

08200 00001 00000 10140

14738/13438/12138 kHz, 13-08, 2000/2020/2040 UTC

01382 00001 00000 10140

20049/18549/17449 kHz, 15-07, 0700/0720/0740 UTC

06533 00001 00000 10140

16314/15814/14514 kHz, 15-08, 1900/1920/1940 UTC

09676 00001 00000 10140

14738/13438/12138 kHz, 15-08, 2000/2020/2040 UTC

07340 00001 00000 10140

20049/18549/17449 kHz, 18-08, 0700/0720/0740 UTC

09950 00001 00000 10140

16167/14663/13923 kHz, 18-08/19-08, 1900/1920/1940 UTC

00792 00081 84930 34928 35258 81277 41314 55274 11559 33616
16155 67957 85205 67809 71341 03019 68905 83059 69027 89302
35838 11040 36549 59269 54811 71597 12471 40408 88070 66218
76391 37256 78712 83304 45469 17942 54281 74893 04649 91189
86115 78920 75418 50505 46997 31091 90917 08392 61290 25404
87723 61854 23529 96396 67452 56434 99066 82771 24346 84784
69466 18637 18397 63618 86803 68046 14107 30746 28978 32895
28048 52491 89682 79785 23605 82913 01459 96202 63071 98489
66741 62211 54553 47327

14738/13438/12138 kHz, 20-08/22-08, 2000/2020/2040 UTC

02830 00083 80805 57052 55350 96225 95063 75518 21351 96024
17089 86910 64285 27705 54537 07349 20831 63710 86838 47152
18063 90718 59648 74478 00964 03517 67577 38987 66403 04645
52266 90315 05987 89092 76032 29982 75933 97431 82597 79021
63270 46739 58532 26926 21574 22224 62846 97890 88139 84807
82598 30318 91341 73897 35676 81159 22988 20679 66252 47779
97497 70190 32359 64925 07129 41204 56004 28271 30905 07835
40842 04193 90111 77476 99590 31075 20780 29049 19880 35041
72190 70458 12265 16711 33126 46260

16314/15814/14514 kHz, 22-08/24-08, 1900/1920/1940 UTC

05390 00187 15852 27828 86377 90545 33701 59653 22935 39782
29112 46146 50697 61570 26175 09727 85129 91799 81832 76564
29228 69260 36021 14588 98495 22706 15094 03555 75198 13785
22489 84152 99595 39738 90967 90511 41474 65225 44463 06104
59443 32612 11436 98098 01454 37987 80392 26114 05502 00897
71341 71719 68406 02744 40454 70531 44080 98344 94455 73543
23749 73846 92845 41996 07989 29715 87987 89610 87791 80932
56819 51209 82753 42780 59104 88863 31237 34475 20991 25581
20449 16837 86560 07825 35544 91033 51412 05276 14195 89607
08995 65233 01653 79753 83698 26164 53902 58694 03875 48561
31042 75247 59445 48859 45330 27475 98855 63160 83048 92719
27797 13061 49019 27478 70040 10063 58824 97875 82122 86609
42277 75956 21673 89110 85988 71289 16317 15432 40515 67665
85091 39867 98745 98428 99102 20561 66579 20389 13772 08577
73351 05761 07441 53786 42521 80225 71678 48331 67688 39808
54208 94359 18163 06654 45939 87832 26941 70616 63443 25226
47325 26730 59254 47364 19382 34697 28874 76669 62866 35691
90022 95792 30700 23467 80546 20817 19607 44314 10326 37153
45147 19741 13817 35353 67998 06829 37517 18361 94558 24531

20049/18549/17449 kHz, 25-08, 0700/0720/0740 UTC

08934 00001 00000 10140

16167/14663/13923 kHz, 25-08, 1900/1920/1940 UTC

01409 00001 00000 10140

16167/14663/13923 kHz, 26-08, 1900/1920/1940 UTC

08653 00001 00000 10140

14738/13438/12138 kHz, 27-08, 2000/2020/2040 UTC

06803 00001 00000 10140

20049/18549/17449 kHz, 29-08, 0700/0720/0740 UTC

00704 00141 39787 16478 09674 59882 20769 63833 61402 51024
95269 73944 14536 67443 23283 52674 48231 66713 00962 62244
71938 54274 39369 67037 02270 30115 01735 67186 16251 51542
83815 55036 78273 88693 13204 03815 60892 42972 37200 13281
04540 68124 74459 36168 90225 15368 84237 00772 71279 61988
86262 68728 61373 40811 39432 95464 23847 99549 67504 55530
09019 32177 22389 04544 43023 71473 15451 10725 96090 37660
88115 11424 69666 42556 92623 84947 77780 89281 24056 43644
81530 61671 78274 57412 65647 72113 51740 37242 05630 93958
88887 65966 54837 62066 71438 57475 77376 94267 98743 16733
33748 91000 71202 44770 91281 75198 79049 41129 64700 39714
79633 35637 29767 29537 33243 66167 99343 69263 38342 63995
59281 46690 06491 67885 60282 65819 47376 14789 20328 63725
83595 20058 79977 19996 49129 09987 28505 88216 23459 82746
09476 13646 93998 32711

16314/15814/14514 kHz, 29-08, 1900/1920/1940 UTC

05461 00001 00000 10140

14738/13438/12138 kHz, 29-08, 2000/2020/2040 UTC

07164 00001 00000 10140

16314/15814/14514 kHz, 31-08, 1900/1920/1940 UTC

02356 00001 00000 10140

F03

Unid station on the same frequency as S11a but it doesn't seem to be related as we first thought. Like F11 it also sends 5 minutes apart. We still have no idea who or what this is.

10210 kHz, 14-08, 0940 UTC	AFSK 400Bd/960Hz USB	Unid sending data
10210 kHz, 14-08, 0945 UTC	AFSK 400Bd/960Hz USB	Unid sending data
10210 kHz, 21-08, 0940 UTC	AFSK 400Bd/960Hz USB	Unid sending data
10210 kHz, 21-08, 0945 UTC	AFSK 400Bd/960Hz USB	Unid sending data
10210 kHz, 25-08, 0940 UTC	AFSK 400Bd/960Hz USB	Unid 17.5 seconds of data TX
10210 kHz, 25-08, 0945 UTC	AFSK 400Bd/960Hz USB	Unid 17.5 seconds of data TX

F11**8423 kHz, 08-08/11-03, 0900/0905 UTC**

0554 0554 0554 0554 0554

88888 88888 32730 48322 02664 07110 75537 10730 23187 75026

43396 71341 29593 54621 04972 76777 32056 85027 65889 76880

90653 37841 45342 19477 69215 98923 69304 35311 82014 97202

71177 36709 52122 09242 23624 69779 88888 88888

00038 00038

15632 kHz, 16-08/18-08, 0730/0735 UTC

0453 0453 0453 0453 0453

88888 88888 82907 27139 98853 99106 35306 00404 47562 75705

06970 24387 94678 50374 06998 73509 55276 92406 76568 65630

63185 00624 50144 85182 18348 75963 96590 20579 75682 43365

48172 61256 79026 44452 88888 88888

00036 00036

7837 kHz, 21-08/24-08, 0715/0720 UTC

0446 0446 0446 0446 0446

88888 88888 89918 04618 54354 03855 27746 16161 01549 00107

67558 97191 26870 16127 27124 55808 78466 08600 02828 97134

62479 76890 52806 11306 75381 32862 69781 30846 43576 08132

84155 53806 92963 74301 30341 22947 88888 88888

00038 00038

13424 kHz, 21-08/23-08, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 03991 90740 33811 29086 67365 23459 74249 70699

78995 55148 11414 30974 32273 01764 28918 61308 81610 27418

96143 29913 05132 81167 42299 53713 09534 11264 31273 24334

16331 74491 66261 88888 88888

00035 00035

6280 kHz, 22-08/23-08, 1150/1155 UTC

0325 0325 0325 0325 0325
88888 88888 22135 10961 69837 73728 36747 20865 59799 80514
05819 40187 80813 61669 56645 11337 05954 92756 51587 30924
45931 48956 07385 76044 92020 44918 10817 28945 35321 48229
48651 78266 47994 55389 69695 29709 78656 63810 46176 88888
88888
00041 00041

6480 kHz, 28-08/31-08, 0800/0805 UTC

0434 0434 0434 0434 0434
88888 88888 20981 49019 81492 55880 67774 31033 18752 70164
06859 84154 13172 04957 20535 31101 02250 65797 29913 16094
78664 39822 17981 55336 48962 52754 02792 57632 75189 51287
89371 70865 15562 51259 89549 76522 33246 73707 76688 47336
24981 11683 88888 88888
00044 00044

6280 kHz, 30-08, 1150/1155 UTC

Note: No 88888 88888 intro and outro, hence the same group count as counterpart E11a

0325 0325 0325 0325 0325
44174 10032 09351 50883 49427 24089 18028 30383 15543 56335
86941 51841 59494 48307 55199 24209 40312 59324 58353 07135
15924 78775 74777 97313 81897 13793 39207 69120 75595 26970
87559 09574 02949 51090 79401 01129 98527 66954 52751 87498
64944
00041 00041

Raw version of the message:

010***** 0325 0325 0325 0325 0325 ABC D E F*H44174 10032 09351 50883 49427 24089 18028 30383 15543 56335
86941 51841 59494 48307 55199 24209 40312 59324 58353 07135 15924 78775 74777 97313 81897 13793 39207 69120 75595
26970 87559 09574 02949 51090 79401 01129 98527 66954 52751 87498 64944 00041 00041 NNNNNNNNNNNNNNNNNNNNN

DIPLOMATIC STATIONS

DPRK - North Korean diplomatic stations

The North Korean diplo net is quite large with the MFA in Pyongyang and hubs in Moscow and possibly somewhere in Africa, and the embassies around the world.

The following id's have been noted so far:

Europe: A4, A5, A6, A8, AA, AB, AC, AD, AE, B3, B4, B5, CC, CD
Africa: C4, CA, CE, D0, D2, D6, DF
Far East: BD, C2, C7, C8, D3

Logs:

Freq	Date	UTC	Day	Details
13444	3-8	0703	Thu	id 0xA5: North Korean diplo i.p.
12705	3-8	1341	Thu	North Korean diplo i.p.
12998	3-8	1347	Thu	North Korean diplo i.p.
14444	3-8	2217	Thu	North Korean Embassy, Havana
14885	6-8	0630	Sun	Id 0xA5: North Korean diplo
14530	7-8	0654	Mon	0xB3: North Korean diplo idling. QSX 14750. Ended seconds later with op chat: quok sk
14750	7-8	0654	Mon	0xA5: North Korean diplo idling. QSX 14530.
10400	7-8	0805	Mon	0xA4: North Korean diplo idling. QSX 14555. Ended with op chat: ? !/??! 1 t ??
14555	7-8	0805	Mon	0xA5: North Korean diplo sending a message. QSX 10400.

Freq	Date	UTC	Day	Details
16020	8-8	0854	Tue	0xBD: North Korean diplo in IRS mode. Unid QSX. Ended at 0902 UTC.
16245	8-8	0856	Tue	0xC7: North Korean diplo in ISS mode. Unid QSX. Ended at 0857 UTC.
14530	12-8	0659	Sat	0xB3: North Korean diplo sending offline crypto. QSX 14750. Ended 0704 UTC.
14750	12-8	0659	Sat	0xA5: North Korean diplo. QSX 14530. Ended 0704 UTC.
16450	12-8	0702	Sat	0xCD: North Korean diplo sending offline crypto. QSX: 16555, 15555, 14244, 12424, 12345, 17222, 19450, etc. Ended at 0708 UTC with op chat: modem ok
9999	12-8	1302	Sat	0xA4: North Korean diplo i.p.
13222	17-8	1206	Thu	North Korean diplo i.p.
13222	17-8	1328	Thu	North Korean diplo
13222	19-8	0736	Sat	North Korean diplo i.p.
12222	19-8	1300	Sat	North Korean diplo i.p.
16008	31-8	1213	Thu	Id CA: North Korean diplo i.p.
16122	31-8	1216	Thu	Id C4: North Korean diplo i.p.
13222	31-8	1330	Thu	Id AA: North Korean diplo i.p. QSX 14885 kHz
14885	31-8	1330	Thu	Id A5: North Korean diplo i.p. QSX 13222 kHz
16020	31-8	1621	Thu	ID CE: North Korean diplo i.p. QSX 14444 kHz
14444	31-8	1631	Thu	ID D2: North Korean diplo i.p. QSX 16020 kHz

Egyptian diplomatic stations

16313.7 kHz, 06-08, 0637 UTC, SITOR-A 100/170

MFA Cairo wkg TVQX: Egyptian embassy Teheran

TVQX TVQX 5)\$(#&'

1%6 #%. 065406541 06??? CFUSG KY+?8+)

16022 kHz, 28-08, 1424 UTC, Codan Chirp/16-tone modem

99904: MFA Cairo wkg 44406: Egyptian Embassy, New Delhi

UTILITY ROUND-UP

Unid stations

4375 kHz, 13-08, 1320 UTC, i.p. North Korean????

VVV 7GI (X3) DE T3B (X2) QSA ? K

QTC 10 20 = =

91265 07695 92008 03031 41928 68769 04905 70020 99279 31630

45119 23463 5563A 09523 62056 77531 10376 92472 84985 80018 K

ABV

QTC 10 20 = =

91265 07695 92008 03031 41928 68769 04905 70020 99289 31631

45919 23463 55630 09523 62056 77531 10376 92472 84985 80018 K

QRU SK

Unid station on 9070 kHz, sends only on Sundays at the same time as E11. The morse station does not seem to send real messages, just dots and dashes at the same pace as E11 does. See also the E11 section.

9070 kHz, 06-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11.

9070 kHz, 13-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11a.

9070 kHz, 20-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11.

9070 kHz, 26-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11

For the first time heard on a Saturday !!

9070 kHz, 27-08, 0805 UTC, CW

Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11

8426 kHz, 23-08, 1140 UTC, USB. Copied by Ron.

Unid Russian male wkg 035 and 037, both Russian males. The voice traffic was followed by digital modem traffic.

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

01-08, 1733 UTC	Notified	30 chr EAM DAKCKS VCSUFF24PRHMAB6YU75W7TFD
01-08, 1733 UTC	Notified	30 chr EAM for Mood JMGCYE AALCQ5NQA6CVK3AKPCGW5EF3
03-08, 1336 UTC	Encourage	30 chr EAM DAGN4J MCZFPTPT4ZNAV3KCZ7WY3ZFV
03-08, 1422 UTC	Encourage	30 chr EAM JM47OR YMY24ZEQNJFO4BPIP2ZD27Z
03-08, 1454 UTC	Encourage	30 chr EAM DAK6GE MZHBRT5OYL2OVHVYVB3G7KQV
03-08, 1457 UTC	Encourage	30 chr EAM DAY2ZK OYK7KJHUAIOBQ6BZ6HFBYBUG6
03-08, 1517 UTC	Encourage	30 chr EAM DAFRR7 YYMSCMW2URXPVF5LCOULJOJ7
03-08, 1521 UTC	Encourage	30 chr EAM DAJ5SB UMGZPRQ2K6A7RFJAPQGSRVZJ
03-08, 1529 UTC	Encourage	30 chr EAM DAUTEI EOEWBSBGIMFHKOAGFJUO5YMTG
03-08, 1533 UTC	Encourage	30 chr EAM DA2VIB DBG2XIXRFHFJ53W6HS4NJR73
03-08, 1804 UTC	Encourage	30 chr EAM for Acara JMI6LR MW5G4UD664L735FIVR6FCSAE
03-08, 1840 UTC	Encourage	30 chr EAM DA7ZON NVWRPNGZ34LCEPHYGGP6WPYX
03-08, 2003 UTC	Encourage	30 chr EAM DASCID I4RLEYX7Q3rPAS23LBCGFCUV
03-08, 2012 UTC	Encourage	30 chr EAM for South JMHIIV FC5YEK6R6M6IC7L4NME2WWPY
04-08, 1535 UTC	Hit Song	30 chr EAM DAJQKU KNAKFPIOKC3H5IZ234GZFON3
04-08, 1546 UTC	Hit Song	30 chr EAM DAUO4I FTSMP6RQFHOBIZDVZSSXCRWZ
04-08, 1535 UTC	Hit Song	30 chr EAM DAUO4I FTSMP6RQFHOBIZDVZSSXCRWZ
04-08, 1833 UTC	Hit Song	30 chr EAM DAOQKU HZHB5GK6TC7SSZFR64VF7OKS
05-08, 1538 UTC	Edgewood	30 chr EAM DAY7A3 PFHA3UPDKKCG4UBFQ7MOFNWO
05-08, 1647 UTC	Edgewood	30 chr EAM for Poland-25 JMYIK4 YMKTYKZH2LFR5CD4WJKFKFRK
05-08, 1717 UTC	Edgewood	30 chr EAM DA5S67 QBMWTTTH3SRNZ3TDR4VKHAAP2
31-08, 1623 UTC	Milkyway	30 chr EAM YUVTM3 S6FUDIOXCPVFOYSHWCBIGVZJ
31-08, 1631 UTC	Milkyway	30 chr EAM BAB54C FS5RK6W2G7T3YFU32HFABTZR
31-08, 1717 UTC	Milkyway	30 chr EAM for Slope-82 for Head-82 YUXSDG 3K46M7YEX2KAKZFJML6LWFIY
31-08, 1746 UTC	Milkyway	30 chr EAM BAWU3T 4YGTY2HS5KHFXOTQEKKJQARD
31-08, 1927 UTC	Milkyway	30 chr EAM BAWJOA QN3MTZQ2FBINS7FO5TMDOTHC
31-08, 1930 UTC	Milkyway	30 chr EAM BAWJOA QN3MTZQ2FBINS7FO5TMDOTHC

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by André, Ron, Wolfgang, JPL, GNL, Topol, AnEur

RMv/RNv/RNAv/RAv - Russian military voice transmissions

RNv – Russian Navy

8439 kHz, 23-08

0116 UTC Greyder radio checks with Avral (unid Pacific Fleet entity)
0019 UTC Greyder (Russian Pacific Fleet HQs, Vladivostok) w/Bagranets (unid Pacific Fleet entity)

RNAv – Russian Navy Air Transport

11360 kHz, 07-08

1132 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/82038 (Russian AF AN-124) reporting 1 hr into flt w/27 tons fuel & "ops normal".
1308 UTC Korsar w/78811 (IL-76MD) rreporting departure from (missed) w/40 tons fuel & next is Prirodnii (Russian AB, Butulirovka).
1316 UTC Korsar USB w/76702 (IL-76MD) reporting departure from Kanatniy (Russian AB, Ivanovo-North) at 1700 MSK w/40 tons fuel & next is Tver.
1326 UTC Korsar w/76668 (IL-76MD) reporting departure from Kanatniy at 1707 MSK.
1455 UTC 78811 (IL-76MD) USB calling Korsar w/no response.

RAv – Russian Air Force

6685 kHz, 01-08

1823 UTC Magnetron (unid) w/unheard acft (caught at sign off) saying he will relay flt info to Proselok. Then Magnetron calling Proselok (Russian Air Force 566th Air Transport Regiment, Bryansk) w/no response.
1854 UTC 82035 (Russian AF AN-124) calling Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov). Answered by Magnetron. 82035 reports 1 hr into flt w/56 tons fuel & "ops normal." ETA landing at Raspiska (Russian AB Mozdok) is 2015 UTC. NOTE: Possible mission to Syria. Mozdok AB is normal entry/exit point for flts to/from Syria. At 2026Z 82035 reports landing at Raspiska at 2021 UTC w/34 tons fuel.
1904 UTC 76717 (IL-76MD) calling Proselok. Answered by Magnetron. 76717 reports 1 hr into flt w/50 tons fuel.
2001 UTC Korsar w/76770 (IL-76MD) reporting 2 hrs into flt w/30 tons fuel.

M32 - Russian / CIS Military CW Stations

5013 kHz, Russian military copied by André

5013 kHz, 09-08, 1253 UTC

B7HI DE MAQL QTC K
B7HI QRV K
MAQL 05 06 1550 = 3995 9118 5869 2602 8376 2683 K
B7HI R 05 K

5013 kHz, 09-08, 1301 UTC: Marker "S"

5013 kHz, 09-08, 1301 UTC

B7HI de WAEL QTC K
B7HI QRV K
WAEL 92 10 1600 = 3169 9303 8700 8726 1613 8921 5869 8967 9149 1965 K
B7HI 92 10 1600 = 3169 9303 8700 8726 1613 8921 5869 8967 9149 1965 K
WAEL C K

5013 kHz, 09-08, 1305 UTC: Marker "S"

5013 kHz, 09-08, 1307 UTC

B7HI de 3Y5B QTC K
B7HI QRV K
3Y5B 10 03 1605 = 2109 9371 7560 K
B7HI R 10 K

5013 kHz, 09-08, 1315 UTC

B7HI de WAEL QTC K
B7HI QRV K
WAEL 06 13 1613 = 0360 8556 5095 2631 0328 7863 7501 9336 8367 5701 5095
9149 5535 K
B7HI R 06 K

5013 kHz, 09-08, 1317 UTC

B7HI de 3Y5B QTC K
B7HI QRV K
3Y5B 11 03 1615 = 4591 8741 9502 K
B7HI R 11 K

5013 kHz, 09-08, 1330 UTC: Marker "S"

5013 kHz, 09-08, 1334 UTC

B7HI de WAEL QTC K
B7HI QRV K
WAEL 07 05 1635 = 7518 3876 7518 3873 0598 1760 0573 K
B7HI R 07 K

5013 kHz, 09-08, 1335 UTC

B7HI de Y4YH QTC K
B7HI QRV K
Y4YH 01 05 1635 = 915 96703 5043 6289 6054 K
B7HI RPT PBL K
Y4YH 01 05 1635 K
B7HI R 01 K

5013 kHz, 09-08, 1339 UTC: Marker "S"

5013 kHz, 09-08, 1400 UTC: Marker "S"

5013 kHz, 09-08, 1408 UTC

B7HI de WAEL QTC K
B7HI QRV K
WAEL 07 03 1704 = 3995 2602 0993 K
B7HI R 07 K
B7HI de WAEL R 07 ? K
B7HI R 07 K

5013 kHz, 09-08, 1410 UTC

B7HI de WAEL K
B7HI K
B7HI de WAEL COR PBL NR 08 = 08 03 1704 K
B7HI OK 08 03 1704 K
WAEL C K

5013 kHz, 09-08, 1413 UTC

B7HI de Y4YH QTC K
B7HI QRV K
Y4YH 02 06 1705 = 2821 4182 0915 6047 5560 3932 K
B7HI QSA 2 RPT K
Y4YH 02 06 1705 = 2821 4182 0915 6047 5560 3932 K

5013 kHz, 09-08, 1416 UTC

B7HI R 02 K

5013 kHz, 09-08, 1421 UTC

B7HI de Y4YH QTC K

B7HI QRV K

Y4YH 03 03 1720 4008 7239 8224 K

B7HI R 03 K

B7HI de WAEL QTC K

B7HI QRV K

WAEL 09 10 1720 = 8033 0569 8001 5020 9303 9984 0953 5157 1983 8560 K

B7HI R 09 K

5013 kHz, 09-08, 1426 UTC

B7HI de WAEL QTC K

B7HI QRV K

WAEL 10 05 1725 = 7566 0993 1987 4222 0598 K

B7HI RPT PBL K

WAEL 10 05 1725 K

B7HI R 10 K

5013 kHz, 09-08, 1431 UTC: Marker "S"**5013 kHz, 09-08, 1500 UTC: Marker "S"**

8511 kHz, 07-08, 0625 UTC

9GKY DE KRE3 QSA ? K

ZFQO DE KRE3 QSA ? K

KRE3 DE ZFQO QSA 3 QSA ? K

ZFQO DE KRE3 QSA ? K

DE ZFQO QSA ...

N3PP DE KRE3 QSA ? K

7XPD DE KRE3 QSA ? K

7XPD QSA 1 K

R K

M2NK DE KRE3 QSA ? K

M2NK QSA 3 K

R K

GWKC DE KRE3 QSA ? K

F9E6 DE KRE3 QSA ? K

F9E6 DE KRE3 QSA ? K

9GKY 9GKY 9GKY DE KRE3 KRE3 QSA ? K

10164 kHz, 28-08, 1657 UTC

RDL RDL RDL 85320 95743 85320 95743 85320 95743 K

See N&O #237 and 238 for more info about the following net. Logged by AnEur.

Frequencies:

Net Control: 5596 kHz

Out stations: 5694 kHz

Id's per 1 August:

Net Control DNPL

Collective call ????

Out stations P7IF, 8OLR, L4NI, VUMI, J68K

5596 kHz, 02-08-2017, 1720 UTC

DNPA to P7IF: QBE QYT9

5596 kHz, 02-08-2017, 1724 UTC, DNPA to L4NI

015 27 2 2020 015 = 382

ôatko y___b skfqf zybr_

(too poor to copy)

5596 kHz, 02-08-2017, DNPA to L4NI

1746 UTC ZGL ZPP ZBB QYT4

1824 UTC ZXQ ZXZ ZGW QYT4

1830 UTC QRJ NO QYT4

1849 UTC ZBB ZXY ZDR QYT4

1847 UTC QMO QYT4

1854 UTC QBE eeeeeee

1910 UTC QBE QYT4

05-08, 2000 UTC DNPL to collective 5EJK

427 27 5 2300 427 _____

_____ 58757 _____ 56978 87990 43518 46747 93543

21246 89888 90216 34314 57873 96169 85_72 98893 05343 89982

05025

08-08, 2000 UTC DNPL to collective 5EJK

08-08, 1706 UTC DNPL to 8OLR

QDK QSA? QBE QYT4

08-08, 1808 UTC DNPL to J68K

ZLB ZNF ZCO QYT9

08-08, 1811 UTC DNPL to L4NI

523 27 8 2100 523 = 050

16307 63___ 63079 73021 63022 40432 90673 02632 34056 73002

34056 73021 63096 40329 96232 78963 47306 73096 50622 60217

73064 53021 96731 90978 80673 08025

08-08, 1931 UTC DNPL to J68K

QBE QYT9

08-08, 1933 UTC DNPL to L4NI

ZXP ZPP ZBL QYT4

08-08, 2032 UTC DNPL to L4NI

QBE QYT4

08-08, 2035 UTC DNPL to P7IF

ZBJ ZVS ZGH QYT9

Id's per 11 August:

Net control: OR8W

Collective call: FHQS

Out stations: 9OKC, V9TE, NAT7, KPO8, A28Z

11-08, 1700 UTC OR8W to FHQS

928 27 11 2000 928 = 824

BKZIO ELÔKG RIOED PNSIY KTÔOE ÛZPSY KLHÔÔ ÛDSKO NPGOÛ LZKRI

OFSKO IOEDD ÂLHSO DRIOE ÂZKNO PKSOÛ LZKRO ÂIDKX OZÔOQ KRIOÂ

DSOÂL ZPSOX RTOÂG DGOZQ NTGOJ ÂÂPW

11-08, 1752 UTC **OR8W to NAT7**
QBE QYT4

11-08, 1800 UTC **OR8W to 9OKC**
ZZO ZIR ZOC QYT9

11-08, 1806 UTC **OR8W to ????**
330 27 11 2100 330 = 824
DPBLS DRYZY FMLOR SOMYH PRDPL JUQA_ ZMÔCX DRYGY FPTPR TZSMS
ZMPHT ÔMBHL PDVQT MSDVO SMCÔU MAZUR FLPRU QMBHT ZSTYM DRDRP
ÔMYKO JUOZP ZLBRT P_BRS SZMTR ÂÂPWT

11-08, 1817 UTC **OR8W to V9TE**
QDA? KP80 K

11-08, 1818 UTC **OR8W to V9TE**
544 27 11 2115 544 = FM OR8W FOR KP80
QPRTS ÔPYJK HMSPT ÂAXBH SMZKR TPLSS HMPNP ÔPYWS YZXKÂ ÔMSHP
JÂUChÔ KFKRP TRPYC XSYBU ÂFHÛP DMSZL RQJKU PRTSP JXHÛU QXBAH
DPMBR AFRQX ZSLSK TPFST QYHRM ÂÂPWT

11-08, 1825 UTC **OR8W to V9TE**
K RK

11-08, 1901 UTC **OR8W to 9OKC**
780 27 11 2230 780 = 824
32554 73883 67110 13115 48990 93043 83743 88933 12348 37386
5832 3445 13224 63226 83238 43832 88366 34835 83663 12223
43129 38331 83432 38444 28224 11025

11-08, 2001 UTC **OR8W to 9OKC**
028 27 11 2300 028 = 824
64023 07629 34062 78090 26302 78096 40432 79096 37026 17302
30262 72011 30216 40321 76033 09621 43216 99631 2811_ 40232
62032 78026 73021 64032 62730 11025

12-08, 1702 UTC **OR8W to 9OKC, V9TE, NAT7, KPO8, A28Z**
QDK QSA? (9OKC) QSA 0/2
QDK QSA? (V9TE) QSA 0/2
QDK QSA? (NAT7) QSA 0/2
QDK QSA? (KPO8) QSA 0/2
QDK QSA? (A28Z)? QSA 0/2

14-08, 1802 UTC **OR8W to V9TE**
QBE QYT9 K

12-08, 1845 UTC **OR8W to KPO8**
QDA? 9OKC K

12-08, 1845 UTC **OR8W to KPO8**
79023 76501 23012 46902 15792 80134 87612 34123 57813 26803
91245 98723 95234 68924 37914 02356 09834 56345 79035 48025
13467 _0945 67456 80145 59135 14025

12-08, 1845 UTC **OR8W to KPO8**
OR8W to KPO8 QDC? 511 K RK

12-08, 1906 UTC OR8W to NAT7

362 27 14 2200 362 = 400

WG___ BRWDU AWZDK IBWLI RJNWS DBÛKA AWZUR BBZAK UWRAL JTSAK
UWKAA BRZSR FÛRSA BWACh PSKTE BWKII DRUGM ZBRRD WGZZI WKTKA
KRAKI BWUZR DRKAA VBRBW AUAUW ÂRPWT

12-08, 1931 UTC OR8W to 9OKC

619 27 14 2230 619 = 400

DWGZI BATSK SKWID BOGVD ZORTA BRIGA DWOMA EKÛFR DRBBR BV_AW
DOFÛS _OSIR KRINA TROME KRILA PROLO TRIST KWANS KRITCh CWOND
ÛBALR KRONK TREKT WÂLOK TROST ÂRPWT

12-08, 1959 UTC OR8W to V9TE

842 27 14 2300 842 = 400

ÔPOST TROLK SWITS BROMK DWINA BWOKA _TINK BOSFA TRILO GORMA
TITIR BOChKW ÔITYR BORLO DYRMI KWINA EKORT TWOLA GOLIR FURMA
ÛMAAK KTWIN DRIMI GOMLI SUMLIÂRPWT

12-08, 2031 UTC OR8W to A28Z

660 27 14 2330 660 = 400

BGVZU WTERA DORKI BILON SIWER DARLA BKCh__ SKOMA WAGChO KLANO
ZIBRA GONTJ KLUMI SOIIR TORChA WIBRR ZGERA ChTYRL KWOCCh SWINP
JLONA BRAST SEMYC TOFER BORTS ÂRPWT

12-08, 2044 UTC OR8W to FHQS

345 27 14 2345 345 = 400

74621 83764 79051 35342 78210 63510 74855 80162 47543 89321
74621 85967 92273 56654 90432 85732 96078 03384 67765 01543
96943 07189 14595 78976 12654 14025

17-08, 1702 UTC OR8W to 9OKC

9OKC DE OR8Q QBE QYT9 K (QSA 0)

17-08, 1704 UTC OR8W to 9OKC, V9TE, NAT7, KPO8, A28Z

9OKC DE OR8W QSA? K

... DE 9OKC QSA 3 K

RK

V9TE DE OR8W QSA? K (QSA 0)

RK (QSA 0)

NAT7 DE OR8W QSA? K (QSA 0)

RK (QSA 0)

KPO8 DE OR8W QSA? K (QSA 0)

RK (QSA 0)

A28Z DE OR8W QSA? K (QSA 0)

OR8W DE A28Z QSA ... K

RK

17-08, 1930 UTC OR8W to 9OKC

398 27 17 2230 398 = 625

17893 44542 84354 93545 82468 23168 57856 77877 90385 09879
53873 64545 03489 93813 08761 54801 58153 21121 43544 98138
46187 96877 53813 96876 56787 17025

17-08, 2001 UTC OR8W to A28Z

114 27 17 2300 114 = 625

BISON OGROB LOGEN FIROD BIMUR SOREch ORDE_ WORSE IXLEN BIFUK
KORDA SOMEN LOGEN SILOS POGOSWIRDA SOMEN GIBON LIFAN OZDECh
QIWAK SORE_ BORECh LORDA ERIBN ÂUPWT

19-08, 1700 UTC **OR8W to FHQS**
OR8W to FHQS <QDK QSA?>

Id's per 21 August:

Net control: YYIF

Collective call: VLGW

Out stations: LWZS, JZWK, I22U, NRSM, 2FOY

21-08, 1704 UTC **YYIF to JZWK**
ZFU ZBF ZZB QYT4 K

21-08, 1837 UTC **YYIF to 2FOY**
2FOY QDA? LWZS K

21-08, 1839 UTC **YYIF to 2FOY forwarded by LWZS**
431 30 21 2135 431 = FM YYIF FOR LWZS 173 =
WZIOE DKRÔU EZIOL NGOZP RIOED KIOED ÔKKRT ZVEDL DÔXON EZPXO
IOD_X PTODK RIODD SKOPT ÔGOZC ÂZIOI NTDOP ÔKROÂ ZKOLL DÔKOU
JÔKRX YOEDL NTPOÂ BZOÂH ÔKOÂL WÂPWRT RK

21-08, 1848 UTC **YYIF to 2FOY**
QDC R 431? K RK

21-08, 1904 UTC **YYIF to JZWK**
QBE QYT4 K RK

21-08, 1933 UTC **YYIF to I22U forwarded by LWZS**
QDA? LWZS K
361 30 21 2230 361 = FM YYIF FOR LWZS 173 =
64023 72061 29064 32086 73091 23042 02362 08963 40462 83026
70764 30216 74021 30211 29643 63021 76023 02896 43041 62038
90622 34046 73022 86021 76733 21025 K

21-08, 2033 UTC **YYIF to 2FOY forwarded by LWZS**
QDA? JZWK K
284 30 21 2330 284 = FM YYIF FOR JZWK 173 =
16987 34046 78089 63406 78096 73022 27081 63402 02302 64037
89062 34031 72361 78096 40432 07809 63042 63076 73021 23064
96321 40426 73024 20631 78016 21025 K

21-08, 2048 UTC **YYIF to LWZS**
QDC R 284? K

24-08, 1903 UTC **LWZS was active as Net Control**
___ DE LWZS QSA?
QSA 3 RK
NRSM DE LWZS QSA? K
2FOY DE LWZS QSA? K
I22U DE LWZS QSA? K

24-08, 1908 UTC
QSA 3 RK

25-08, 1700 UTC
VVVVVVVVVVVVVVVV
LWZS DE YYIF K
JZWK DE YYIF K
I22U DE YYIF K
NRSM DE YYIF K
2FOY DE YYIF K

25-08, 1924 UTC

VVVVVVVVVVVVVVVV

LWZS DE YYIF K

JZWK DE YYIF K

I22U DE YYIF K

NRSM DE YYIF K

2FOY DE YYIF K

26-08, 1821 UTC

JWZK DE YYIF QTC K

YYIF 819 27 26 2100 819 = 824

LIN_T OROBA KESOR OKOÔA LOUFE BIRRO HOSKA OROBK ÔUÔKA ORLAN

BIZZI FOTOP FISHT OKROM LATUN ORUDI FIHST BUÔUK LUBIE FOTCB

FIZOK FIAANT DOBED OHOTO ÔIFIK WTPWY K RK

26-08, 1936 UTC

LWZS DE YYIF QTC K

YYIF 216 27 26 2230 216 = 824

AGRIZ FIRIK BUÔBA KO__A LOZZA OÔKIN ÂMKIN HRENA WILXI LODSE

B_KRO ZOLOO FIDRO GIZZI BORTQ MINKI ÔUÔKA HOZON FEDEX BILXK

ÔURÔI CAZIM LEEDO ORD__ KIZIK WTPWY K RK

26-08, 2034 UTC

I22U DE YYIF QTC K

YYIF 395 27 26 2330 395 = 824

ÛÔS_X ONTGO ÂZXOO BWÔXO ROIKL NDOTG ÂZIOI ÔGIZX KRXOP STOGL

NDOÂZ ÔGODR IZKLL ÛZÔW_ IZKNX KWOÂZ PÔXOA LZWOK NDOXÂ RWOZK

ÔGDXX RPSXO ÛZWKX ONZXO ÂZLON WTPWY K RK

27-08, 1704 UTC

LWZS DE YYIF QSA?

JZWK DE YYIF QSA?

I22U DE YYIF QSA?

NRSM DE YYIF QSA?

2FOY DE YYIF QSA?

27-08, 1707 UTC

QAP/ZGN

27-08, 2100 UTC

QAP/ZGN

29-08, 1704 UTC

LWZS DE YYIF QSA?

JZWK DE YYIF QSA?

I22U DE YYIF QSA?

NRSM DE YYIF QSA?

2FOY DE YYIF QSA?

29-08, 1904 UTC

JWZK DE YYIF QTC K

YYIF 875 27 29 2200 875 = 842

ÛZTGU ERZIO NGDIO WGDÔR ÛDSSL NKPKD ZDSKO WDOKK LDNGÔ OEDSW

FLOOD DGDOG KRJKL DZFJP ÔKOEZ ZSKUD NDGJF YOEXT GDJOE WDNZÔ

RUOEX LDKNS ÔKOEZ WDGGO JZÔGÔ WOPWT K RK

30-08, 1833 UTC

JWZK DE YYIF QBE QYT4 K RK

30-08, 1943 UTC YYIF to VLGW

VLGW VLGW VLGW QTC K

019 27 30 2240 019 = 977

30406 73021 40321 67891 23026 73032 40267 30789 90887 60377

64021 89064 38092 63041 73021 73021 21799 63072 89063 34206

73309 96730 47908 76021 30756 30025 K RK

30-08, 2016 UTC

I22U DE YYIF QBE QYT4 K RK

30-08, 2019 UTC

2FOY DE YYIF QTC K

NRSM DE YYIF QTC K

BK BK BK BK

2FOY DE YYIF QTC K

YYIF 527 28 30 2315 527 = ZRC 977

13973 20264 03799 63032 74070 30362 _____ 63032 73033 40462

56773 09622 30321 40463 76998 78996 47302 63022 51161 74042

30962 73026 40433 86732 98766 30025 K RK

30-08, 2052 UTC

LWZS DE YYIF QTC K

RPT K

YYIF 471 28 30 2350 471 = ZLZ 977

EKÔXR EÛZLZ NTGOE ZDGIP RDZIO JLZXK XONZG URIOE DGIGP EÂZLÔ

KRIOÛ ZDGNZ OELZX KRZÂ ÔGÔÂH PRXOÂ DGONZ HXÂZX OLKRY OÂZXG

DROPR XZDGX HUCXX ÛZÔXR ÛDGNZ EPPWT K RK

<i>M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)</i>

15586 kHz, 07-08, 2009 UTC, i.p.

59526 66479 51639 52821 6785 .. 76488 380128 07050 = FM RCV K

RCV RPT 435 527 2125 835 K

RCV RPT K

RCV RPT FM RIT K

RCV RPT K

RCV RPT 95005 10233 K

RCV RPT 39341 K

RCV OK QRU K

15586 kHz, 14-08, 0916 UTC, RCV sent flashing messages

XXX XXX RJV RJV 83293 GUNNOCHPOR 2619 0072 K

XXX XXX RJV RJV 94157 VIROFISK 4086 7435 K

XXX XXX RJV RJV 84784 WLETOBLOK 7480 4221 K

XXX XXX RJV RJV 4106 KNUTOWIQE 7810 5761 K

XXX XXX RJV RJV 14561 MURAMÖ TYJ 5594 8504 K

XXX XXX RJV RJV 57896 GLAZOTÛTÄ 7990 4009 K

XXX XXX RJV RJV 44196 METAFRAZA 1984 1784 K

XXX XXX RJV RJV 60179 MALEC 9525 2001 K

15586 kHz, 17-08

XXX XXX RJV RJV 17126 LUNNIK 2348 5834 K

XXX XXX RJV RJV 84560 DUBILXQIK 0617 2610 K

XXX XXX RJV RJV 00595 INDIJ 4492 7701 K

8345 kHz, 09-08

0000 UTC VVV RIW DE RMFE QSA? QTC
0001 UTC VVV RCV DE RHO62 QSA?
0005 UTC VVV RIT DE RHM80 QSA? QTC
0006 UTC RHM80 962 17 9 0302 962 = SML FOR RJH74 RJH45 = 09001 99740 10779 22222 [stepped on by other callsign]
0012 UTC VVV RIW DE RMFE QSA? QTC
0015 UTC RMFE 382 18 9 0245 382 = FOR RJH45 RJD38 RIF4 =
09001 99598 10254 44/98
21602 10165 40230 54001 7///// 8///// 22262 00180 2///// 3///// 09014 = + RMFE
0303 UTC VVV RIT DE RHM80 QSA? QTC
0304 UTC RHM80 497 17 9 0601 497 = SML FOR RJH74 RJH45 =
09031 99737 10788 41498
20118 10041 40116 52010 70001 821// 22232 0///// 20809 09013 = + RHM80
0306 UTC RHM80 574 56 9 0602 574 = SML FOR RIT RJD56 = 11111..... [continued]
0318 UTC VVV RCV DE RMNW QSA? QTC
0334 UTC VVV RMP DE RKO81 QSA? QTC
0337 UTC VVV RIT DE RKO81 QSA? QTC
0338 UTC RKO81 544 33 9 0600 544 = SML FOR RMP =
11111 84402 02157 07288 89648
83616 3612? 87696 37403 41478
92515 52794 27871 60931 80924
42458 15936 06334 11794 3636?
84667 50456 77471 88056 98860
66726 25625 81377 39872 96226
09030 = + RKO81
[followed by another message too faint to copy]
0607 UTC VVV RIT DE RHM80 QSA? QTC
0608 UTC RHM80 452 17 9 0901 452 = SML FOR RJH74 RJH45 =
09061 99731 10797 48498
60212 10022 40116 54000 70011 8632/ 22233 0///// 20607 09013 = + RHM80

5438.5 kHz, 09-08

0654 UTC RMP DE RHI99 QSA4
0655 UTC RHI99 OK QSU1 QWH 6120 QSU 4395
0711 UTC RMP DE RFK99 QSA3 [very faint transmissions follow, possibly setting up QSU1]
0723 UTC RMP DE RHI99 [stopped]

8345 kHz, 10-08

0009 UTC VVV RCV DE RHO62 QSA?
0011 UTC VVV RCV DE RMNW QSA? QTC
0015 UTC VVV RIW DE RHO62 QSA? QTC
0016 UTC RHO62 422 17 10 0305 422 = SML FOR RJH45 RJE73 RJD38 =
10001 99348 10298 42598
32707 10269 40075 57007 83100 22253 00277 2///// 10012 = + RHO62
0208 UTC [very faint message]
0209 UTC RAL65 OK QRV [very faint]
0300 UTC VVV RIT DE RHM80 QSA? QTC
0302 UTC RHM80 767 ?6 10 0601 767 = SML FOR RIT RJD56 =
11111 88053 [continued, faded in and out, many RPT's after]
0345 UTC VVV RIT DE RKO81 QSA? QTC
0347 UTC RKO81 374 ?? 10 0600 374 = SML FOR RMP = 11111 28893 [continued]
0352 UTC RKO81 475 23 10 0600 475 = SML FM RFE79 FOR RMP = 11111 [continued, both messages faded in and out]
0528 UTC VVV RIW DE RMFE QSA? QTC
0531 UTC RMFE 774 17 10 0815 774 = FOR RJH45 RJD38 =
10061 99572 10205 44/98
12304 10167 40131 54001 7///// 8///// 22252 00100 2///// 3///// 10014 = + RMFE

4416 kHz, 10-08

0007 UTC VVV RJD99 DE RAO81 QSA? QTC
0009 UTC RAO81 278 13 10 0300 278 = FOR RJD99 = 00883 01 [stopped]
0011 UTC VVV RJD99 DE RAO81 QSA?
0015 UTC VVV RJD99 DE RAO81 QSA? QTC [sometimes v. weak, then v. loud]
0017 UTC VVV RJD99 DE RMX59 QSA? QTC
0018 UTC RMX59 680 15 10 0300 680 = FOR RJD90 RJH74 =
10001 99652 10379 41698
52304 10130 40200 54000 70011 22232 2//// 88000 10012 = + RMX59
0023 UTC VVV RJD99 DE RJP70 QSA? QTC
0024 UTC RJP70 815 11 10 0305 815 = FOR RJD99 =
90279 04496 33366 04424 90629
76385 14516 97329 12104 10009 = + RJP70
0026 UTC RJP70 208 15 10 0310 208 = FOR RJH74 RJD90 = 10031[sic] 99665 10347 44998
11204 10120 40186 54000 70200 81/// 22200 00111 10012 = + RJP70
0028 UTC VVV RJD99 DE RFE75 QSA? QTC
0029 UTC RFE75 484 17 10 03005 484 = FOR RJD90 RJH74 =
10001 99648 10394 41/97
21903 10110 40206 54000 70000 826// 22200 00130 20101 88000 10014 = + RFE75
0031 UTC VVV RJD99 DE RCQE QSA? QTC
0032 UTC RCQE 728 19 10 0300 728 = SML FOR RJH45 RJD90 = 10000[sic] 99665 10341 41598
21106 10120 41019 52010 70110 8214/ 22200 00040 20101 88000 80000 10015 = + RCQE
0039 UTC VVV RJD99 DE RAO81 QSA? QTC
0041 UTC RAO81 278 13 10 0300 278 = FOR RJD99 =
00883 01160 06520 03843 00140
00008 02122 00150 00003 00000
00010 10011 = + RAO81
0133 UTC VVV RJD99 DE RJI92 QSA? QTC
0136 UTC RJI92 431 18 10 0313 431 = FOR RJH74 RJH45 RJD90 =
10001 99664 10341 41498
41004 10130 40180 57016 70111 84411 22200 00120 299// 319// 10014 = + RJI92
0227 UTC VVV RJD99 DE RHN88 QSA? QTC
0228 UTC RHN88 181 29 10 0525 181 =
74726 23423 59388 516?? 59308 11614 39431 25027 65763 74657
58852 77978 99803 95731 43232 20944 18170 42597 65746 ?1649
22638 20800 45373 88265 82198 28240 55435 17850 10028 = + RHN88

8345 kHz, 11-08

0001 UTC VVV RIW DE RMFE QSA? QTC
0002 UTC RMFE 365 17 11 0250 365 = FOR RJH45 RJD38 =
11001 99552 10196 22252 [faint/distorted, not helped by RMGB]
0003 UTC [stepping on RMFE] VVV RCV DE RMGB QSA? QTC
0006 UTC RMGB 794 17 11 0300 794 = SML FOR RJH45 RJE73 =
11001 99356 10250 41998
02706 10270 40090 54000 70100 80000 22263 00240 20202 11013 = + RMGB
0009 UTC VVV RCV DE RHO62 QSA? QTC
0010 UTC RHO62 226 17 11 0305 226 = SML FOR RJH45 RJE73 RJD38 =
11001 99347 10235 42/98
03112 10279 40073 57006 80000 22263 00276 2//// 11012 = + RHO62
0013 UTC VVV RCV DE RAL65 QSA? QTC
0114 UTC VVV RIW DE RAL65 QSA? QTC
0115 UTC RAL65 791 78 11 0401 791 = SML FOR R?? RIT = 11111 [continues, very faint]
0308 UTC VVV RIW DE RHO62 QSA? QTC
0312 UTC RCV DE RHO62 QSA1 QTC
0314 UTC RHO62 769 17 11 0602 769 = SML FOR RJH45 RJE73 RJD38 =
11031 99349 10223 42/98
03110 10271 40304 52031 80000 22263 00276 2//// 11012 = + RHO62

4416 kHz, 11-08

0005 UTC VVV RJD99 DE RCQE QSA? QTC
 0006 UTC RCQE 431 18 11 0300 431 = SML FOR RJH45 RJD90 = 11000[sic] 99665 10341 41197
 71506 10130 41008 56040 70261 8733/ 22200 00040 310// 401// 11014 = + RCQE
 0018 UTC VVV RJD99 DE RBHV QSA? QTC
 0019 UTC RBHV 149 19 11 0300 149 = FOR RJH74 RJD90 =
 11001 99667 10407 41/98
 61405 10120 40055 57003 70311 86/2/ 22213 00120 2//01 3//14 4///// 88000
 11016 = + RBHV
 0116 UTC VVV RJD99 DE RJP70 QSA? QTC [tries numerous times]
 0155 UTC RJP70 168 36 11 045? 168 = FOR RJD99 = 89146 [continues, very faint]

8345 kHz, 12-08

0006 UTC VVV RCV DE RHO62 QSA? QTC
 0007 UTC RHO62 967 17 13 0305 967 = SML FOR RJH45 RJE73 RJD38 =
 12001 99361 10165 42/98
 02804 10288 40123 57004 80000 22263 00292 2///// 12012 = + RHO62
 1803 UTC VVV RCV DE RMGB QSA? QTC
 1804 UTC RMGB 175 17 12 2000 175 = SML FOR RJH45 RJE73 =
 12181 99360 10160 41998
 23012 10260 40150 55010 70100 80100 22262 00240 20202 12013 = + RMGB
 2105 UTC VVV RCV DE RHO62 QSA? QTC
 2107 UTC RHO62 512 17 13 0005 512 = SML FOR RJH45 RJE73 RJD38 =
 12211 99375 10106 42598
 12811 10242 40090 52019 81100 22263 00252 2///// 13012 = + RHO62

5438 kHz, 12-08

0603 UTC VVV RMP DE RBES QSA? QTC
 0604 UTC RBES 670 16 12 0901 670 = SML FOR RJH45 RJD38 =
 12061 99583 10207 41498
 81206 10200 40073 56030 75052 88600 22232 20201 12012 = + RBES

4416 kHz, 12-08

0005 UTC VVV RJD99 DE RCQE QSA? QTC
 0006 UTC RCQE 505 17 12 0300 505 = SML FOR RJH45 RJD90 =
 12000 99665 10341 41198
 52506 10150 41007 52030 70100 85142 22000 00040 20101 12013 = + RCQE
 2049 UTC VVV RJD99 DE RBE99 QSA? QTC
 2050 UTC RBE99 981 18 12 2330 981 = FOR RJD99 =
 00883 01160 06635 03422 00000 00000 04781 00055
 00001 00024 00006 02122 00190 00005 00001 00010
 12016 = + RBE99
 2357 UTC VVV RJD99 DE RJP50 QSA? QTC

M32b - Russian Naval Aviation (Aviatsiya Voennno-morskogo Flota Rossii)**8816 kHz, 07-08, 1047 UTC**

RJC38 RJF94 DE 10616 QTH 16437 13415 QTR 1042 QBG 7500 QBD 0500 K
 QTH 15948 13015 QTR 1152 QBG 7300 QBD 0400 K
 QTH 15941 12405 QTR 1232 QBG 7300 QBD 0330 K
 QTH 15745 12019 QTR 1310 QBG 7300 QBD 0300 QRE XMWH 1403 K
 QQM XMWH 1404 SK

8816 kHz, 08-08, 0722 UTC

RJF94 RJC38 DE 52593 QTO 0712 QRD XUMO XLMV QBD 0530 QRE 1115 K
 QTH 16552 13352 QTR 0812 QBG 5800 K
 QTH 16156 13637 QTR 0912 QBD 0330 K
 QTH 15738 13746 QTR 1015 QBG 5500 QRE XUMO 1120 K
 QQM XUMO 1052 SK

8816 kHz, 08-08, 0733 UTC

RJC38 RJF94 DE 10616 QTO 0722 QRD XLWF XMWH QRE 1040 QBD 0700 K
 QTH 15653 11955 QTR 0804 QBG 7000 QBD 0630 K
 QTH 15920 12220 QTR 0838 QBG 7000 QBD 0600 K
 QTH 15955 12013 QTR 0921 QBG 7000 QBD 0530 QRE XLWF 1025 K

8816 kHz, 08-08, 1245 UTC

RJF94 RJC38 DE 52593 QTO 1235 QRD XRKA XUMO QBD 0530 QRE 1555 K
 QTH 15209 13946 QTR 1335 QBG 6400 K
 QTH 14817 14114 QTR 1445 QBG 6400 QRE XRKA 1545 K
 QQM XRKA 1550 SK

8816 kHz, 08-08, 1304 UTC

RJC38 RJF94 DE 10616 QTO 1252 QRD XLMV XLWF QRE 1520 QBD 0430 K
 QTH 16341 13525 QTR 1402 QBG 6000 QBD 0330 K
 QTH 16517 13417 QTR 1421 QBG 6000 QRE XLMV 1530 K
 QQM XLMV 1520 SK

M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)**8895 kHz, 10-08, 1343 UTC: Tu-95MS Bear H net. QSX on 9128 or 6642 kHz**

6642 kHz, 1343 UTC KFE4 DE P98H QTC K
 9128 kHz, 1345 UTC KFE4 DE P98H K
 8895 kHz, 1347 UTC P98Z DE KFE4 K
 6642 kHz, 1348 UTC KFE4 DE P98H QTC K. KFE4 DE P98H QTC K. KFE4 DE P98H K
 9128 kHz, 1351 UTC KFE4 DE P98H K
 P98H DE KFE4 K
 P98H QTC K
 KFE4 QRV K
 P98H = 753 239 348 812 997 745 534 627 K
 P98H DE KFE4 = 753 239 348 812 997 745 534 627 K
 P98H C K

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Ctrb
---	9070	6-8	0805	Sun	Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11	CW	(AB)
---	9070	13-8	0805	Sun	Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11	CW	(AB)
---	9070	20-8	0805	Sun	Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11	CW	(AB)
---	8426	23-8	1140	Wed	Russian male wkg 035 and 037, followed by digital modem traffic	USB	(RP-MD)
---	9070	26-8	0805	Sat	Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11	CW	(AB)
---	9070	27-8	0805	Sun	Dots and dashes at the same pace as E11 does. Starts and ends at the same time as E11	CW	(AB)
DPRK	13444	3-8	0703	Thu	id 0xA5: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	12705	3-8	1341	Thu	North Korean diplo i.p.	DPRK-ARQ 600/600	(AB)

						LSB	
DPRK	12998	3-8	1347	Thu	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14444	3-8	2217	Thu	North Korean Embassy, Havana	DPRK-ARQ 600/600 LSB	(MCO)
DPRK	14885	6-8	0630	Sun	Id 0xA5: North Korean diplo	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14530	7-8	0654	Mon	0xB3: North Korean diplo idling. QSX 14750. Ended seconds later with op chat: qruok sk	DPRK-ARQ 600 LSB	(Danix)
DPRK	14750	7-8	0654	Mon	0xA5: North Korean diplo idling. QSX 14530.	DPRK-ARQ 600 LSB	(Danix)
DPRK	10400	7-8	0805	Mon	0xA4: North Korean diplo idling. QSX 14555. Ended with op chat: ? !//?! 1 t ??	DPRK-ARQ 1200 LSB	(Danix)
DPRK	14555	7-8	0805	Mon	0xA5: North Korean diplo sending a message. QSX 10400.	DPRK-ARQ 1200 LSB	(Danix)
DPRK	16020	8-8	0854	Tue	0xBD: North Korean diplo in IRS mode. Unid QSX. Ended at 0902 UTC.	DPRK-ARQ 600 LSB	(Danix)
DPRK	16245	8-8	0856	Tue	0xC7: North Korean diplo in ISS mode. Unid QSX. Ended at 0857 UTC.	DPRK-ARQ 600 LSB	(Danix)
DPRK	14530	12-8	0659	Sat	0xB3: North Korean diplo sending offline crypto. QSX 14750. Ended 0704 UTC.	DPRK-ARQ 600 LSB	(Danix)
DPRK	14750	12-8	0659	Sat	0xA5: North Korean diplo. QSX 14530. Ended 0704 UTC.	DPRK-ARQ 600 LSB	(Danix)
DPRK	16450	12-8	0702	Sat	0xCD: North Korean diplo sending offline crypto. QSX: 16555, 15555, 14244, 12424, 12345, 17222, 19450, etc. Ended at 0708 UTC with op chat: modem ok	DPRK-ARQ 600 LSB	(Danix)
DPRK	9999	12-8	1302	Sat	0xA4: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	13222	17-8	1206	Thu	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	13222	17-8	1328	Thu	North Korean diplo	DPRK-ARQ 600/600	(AB)
DPRK	13222	19-8	0736	Sat	North Korean diplo i.p.	DPRK-ARQ 600/600	(AB)
DPRK	12222	19-8	1300	Sat	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16008	31-8	1213	Thu	Id CA: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16122	31-8	1216	Thu	Id C4: North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(AB)
DPRK	13222	31-8	1330	Thu	Id AA: North Korean diplo i.p. QSX 14885 kHz	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14885	31-8	1330	Thu	Id A5: North Korean diplo i.p. QSX 13222 kHz	DPRK-ARQ 600/600 LSB	(AB)
DPRK	16020	31-8	1621	Thu	ID CE: North Korean diplo i.p. QSX 14444 kHz	DPRK-ARQ 600/600 LSB	(AB)
DPRK	14444	31-8	1631	Thu	ID D2: North Korean diplo i.p. QSX 16020 kHz	DPRK-ARQ 600/600 LSB	(AB)
E06	13540	3-8	0500	Thu	210 689 54 24513 60331 60706 ... 14526 13233 54992 689 54 00000	USB	(AB/ES/HFD)
E06	16115	3-8	0600	Thu	210 689 54 24513 60331 60706 ... 14526 13233 54992 689 54 00000	USB	(AB/ES/HFD)
E06	5935	3-8	2030	Thu	724 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000. Windows shut down sound	USB	(AB)
E06	13540	4-8	0500	Fri	210 689 54 24513 60331 60706 ... 14526 13233 54992 689 54 00000	USB	(AB)
E06	16115	4-8	0600	Fri	210 689 54 24513 60331 60706 ... 14526 13233 54992 689 54 00000	USB	(AB)
E06	5731	4-8	2130	Fri	315 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000. Windows shut- down sound	USB	(AB)

E06	14648	10-8	0300	Thu	361 489 35 46272 15535 64442 ... 60705 45041 88511 489 35 00000	USB	(AB-KOR)
E06	16153	12-8	1100	Sat	832 951 64 20569 49088 95903 ... 98088 85277 13623 951 64 00000. E06 sent instead of F06	USB	(AB/Danix/ MPJ)
E06	14438	12-8	1200	Sat	832 951 64 20569 49088 95903 ... 98088 85277 13623 951 64 00000. E06 sent instead of F06	USB	(AB/MPJ)
E06	16153	13-8	1100	Sun	832 951 64 20569 49088 95903 ... 98088 85277 13623 951 64 00000. E06 sent instead of F06	USB	(AB/MPJ)
E06	14438	13-8	1200	Sun	832 951 64 20569 49088 95903 ... 98088 85277 13623 951 64 00000. E06 sent instead of F06	USB	(AB/MPJ)
E06	13540	17-8	0500	Thu	210 849 53 00678 85806 78748 ... 15935 60124 62717 849 53 00000	USB	(AB)
E06	16115	17-8	0600	Thu	210 849 53 00678 85806 78748 ... 15935 60124 62717 849 53 00000	USB	(AB)
E06	13540	18-8	0500	Fri	210 849 53 00678 85806 78748 ... 15935 60124 62717 849 53 00000	USB	(AB)
E06	16115	18-8	0600	Fri	210 849 53 00678 85806 78748 ... 15935 60124 62717 849 53 00000	USB	(AB)
E06	5731	18-8	2130	Fri	315 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound	USB	(AB)
E07	13881	2-8	1700	Wed	818 818 818 000	AM	(AB/MPJ)
E07	12181	2-8	1720	Wed	818 818 818 000	AM	(AB/MPJ)
E07	16147	2-8	1900	Wed	164 164 164 000	USB	(AB/RL/MPJ)
E07	14647	2-8	1920	Wed	164 164 164 000	USB	(AB/RL/MPJ)
E07	10753	3-8	2010	Thu	716 716 716 000	AM	(AB/HFD)
E07	9147	3-8	2030	Thu	716 716 716 000	AM	(AB/HFD)
E07	20146	4-8	1100	Fri	123 123 123 000	USB	(AB/ES/HFD)
E07	18246	4-8	1120	Fri	123 123 123 000	USB	(AB/MPJ/ES/ HFD)
E07	9064	5-8	0600	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	10264	5-8	0620	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	11464	5-8	0640	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	9064	6-8	0600	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/HFD)
E07	10264	6-8	0620	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/HFD)
E07	11464	6-8	0640	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/HFD)
E07	13881	6-8	1700	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000 Stops at 1703z; re- started with 818 818 818 1 13367 11267 17267 skipping the first group	AM	(AB/MPJ/RF 2/HFD)
E07	12181	6-8	1720	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/HFD)
E07	10881	6-8	1740	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB)
E07	16147	7-8	1900	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ/HF D)
E07	14647	7-8	1920	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ/HF D)
E07	13447	7-8	1940	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ/GN L/HFD)

E07	13881	9-8	1700	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000 Stops after 6 minutes.	AM	(AB/MPJ)
E07	12181	9-8	1720	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/MPJ)
E07	10881	9-8	1740	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/MPJ)
E07	16147	9-8	1900	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/RL)
E07	14647	9-8	1920	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MCO/RL)
E07	13447	9-8	1940	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB)
E07	10753	10-8	2010	Thu	716 1 716 58 09399 27874 93783 ... 50338 05992 75274 000 000	USB	(AB)
E07	9147	10-8	2030	Thu	716 1 716 58 09399 27874 93783 ... 50338 05992 75274 000 000	USB	(AB)
E07	7637	10-8	2050	Thu	716 1 716 58 09399 27874 93783 ... 50338 05992 75274 000 000	USB	(AB)
E07	20146	11-8	1100	Fri	123 123 123 000	USB	(AB)
E07	18246	11-8	1120	Fri	123 123 123 000	USB	(AB)
E07	9064	12-8	0600	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	10264	12-8	0620	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	11464	12-8	0640	Sat	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB/ES)
E07	9066	13-8	0600	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000 Started on 9066 kHz, then switched to 9064 kHz	USB	(AB)
E07	10264	13-8	0620	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB)
E07	11464	13-8	0640	Sun	024 1 533 47 41959 25950 28142 ... 32850 62317 32632 000 000	USB	(AB)
E07	13881	13-8	1700	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB-HNG/MPJ)
E07	12181	13-8	1720	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB-HNG/MPJ)
E07	10881	13-8	1740	Sun	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB-HNG/MPJ)
E07	16147	14-8	1900	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	14647	14-8	1920	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	14-8	1940	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	20146	15-8	1100	Tue	123 123 123 000	USB	(AB)
E07	18246	15-8	1120	Tue	123 123 123 000	USB	(AB/MPJ)
E07	13881	16-8	1700	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/MPJ)
E07	12181	16-8	1720	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/MPJ)
E07	10881	16-8	1740	Wed	818 1 765 60 12255 13367 01267 ... 21709 39345 48831 000 000	AM	(AB/MPJ)
E07	16147	16-8	1900	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ/LA 6LU)
E07	14647	16-8	1920	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	16-8	1940	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	10753	17-8	2010	Thu	716 716 716 000	USB	(AB)

E07	9147	17-8	2030	Thu	716 716 716 000	USB	(AB)
E07	20146	18-8	1100	Fri	123 123 123 000	USB	(AB)
E07	18246	18-8	1120	Fri	123 123 123 000	USB	(AB/MPJ)
E07	9064	19-8	0600	Sat	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	10264	19-8	0620	Sat	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	11464	19-8	0640	Sat	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	9064	20-8	0600	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	10264	20-8	0620	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	11464	20-8	0640	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	13881	20-8	1700	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	12181	20-8	1720	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	10881	20-8	1740	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ/SP 1)
E07	16147	21-8	1900	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	14647	21-8	1920	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	21-8	1940	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	20146	22-8	1100	Tue	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB-S)
E07	18246	22-8	1120	Tue	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB-S/MPJ)
E07	16346	22-8	1140	Tue	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB/MPJ)
E07	13881	23-8	1700	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB)
E07	12181	23-8	1720	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	10881	23-8	1740	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	16147	23-8	1900	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	14647	23-8	1920	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	23-8	1940	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	10753	24-8	2010	Thu	716 716 716 000	USB	(AB)
E07	9147	24-8	2030	Thu	716 716 716 000	USB	(AB)
E07	20146	25-8	1100	Fri	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB-S/MPJ)
E07	18246	25-8	1120	Fri	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB- RUS/MPJ)
E07	16346	25-8	1140	Fri	123 1 9615 84 70863 80984 66536 ... 36411 84813 27855 000 000	USB	(AB/MPJ)
E07	9064	26-8	0600	Sat	024 1 435 38 05668 60566 03865 ... 11591	USB	(AB)

					93179 47811 000 000		
E07	10264	26-8	0620	Sat	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	11464	26-8	0640	Sat	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	9064	27-8	0600	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	10264	27-8	0620	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	11464	27-8	0640	Sun	024 1 435 38 05668 60566 03865 ... 11591 93179 47811 000 000	USB	(AB)
E07	13881	27-8	1700	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB-G/MPJ)
E07	12181	27-8	1720	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	10881	27-8	1740	Sun	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ)
E07	16147	28-8	1900	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	14647	28-8	1920	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	28-8	1940	Mon	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	18246	29-8	1120	Tue	123 123 123 000	USB	(MPJ)
E07	13881	30-8	1700	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB)
E07	12181	30-8	1720	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ/Bv R)
E07	10881	30-8	1740	Wed	818 2 498 64 93625 09965 45563 ... 60958 90090 63363 818 2 381 28 90874 32960 34752 ... 99897 49852 99913 000 000	AM	(AB/MPJ/Bv R)
E07	16147	30-8	1900	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/GHn/M PJ/RL)
E07	14647	30-8	1920	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	13447	30-8	1940	Wed	164 1 678 83 50183 98199 52060 ... 18042 30120 42185 000 000	USB	(AB/MPJ)
E07	10753	31-8	2010	Thu	716 716 716 000	AM	(AB)
E07	9147	31-8	2030	Thu	716 716 716 000	AM	(AB)
E07a	12166	2-8	2000	Wed	172 172 172 000	USB	(AB/RL/MPJ)
E07a	10766	2-8	2020	Wed	172 172 172 000	USB	(AB/K3DCW)
E07a	7933	3-8	0430	Thu	912 912 912 000	USB	(AB/ES)
E07a	9133	3-8	0450	Thu	912 912 912 000	USB	(AB/ES)
E07a	12213	4-8	1510	Fri	241 241 241 000	USB	(AB/MPJ/HF D)
E07a	11413	4-8	1530	Fri	241 241 241 000	USB	(AB/MPJ/HF D)
E07a	12177	5-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	5-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	9-8	2000	Wed	172 172 172 000	USB	(AB/MPJ/RL)
E07a	10766	9-8	2020	Wed	172 172 172 000	USB	(AB/MPJ/RL)
E07a	7933	10-8	0430	Thu	912 912 912 000	USB	(AB/ES)
E07a	9133	10-8	0450	Thu	912 912 912 000	USB	(AB/ES)
E07a	12213	11-8	1510	Fri	241 241 241 000	USB	(AB)
E07a	11413	11-8	1530	Fri	241 241 241 000	USB	(AB)

E07a	12177	12-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	12-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	16-8	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	16-8	2020	Wed	172 172 172 000	USB	(AB/LA6LU)
E07a	7933	17-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	17-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	18-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	18-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	19-8	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	19-8	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	23-8	2000	Wed	172 172 172 000	USB	(AB)
E07a	10766	23-8	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	24-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	24-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	25-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	25-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	26-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	26-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	30-8	2000	Wed	172 172 172 000	USB	(AB/MPJ/RL)
E07a	10766	30-8	2020	Wed	172 172 172 000	USB	(AB/MPJ/RL)
E07a	7933	31-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	31-8	0450	Thu	912 912 912 000	USB	(AB)
E11	13424	1-8	0645	Tue	519/00	USB	(AB)
E11	10429	1-8	0710	Tue	639/00	USB	(AB)
E11	13911	1-8	0820	Tue	136/00	USB	(AB/ES)
E11	12202	1-8	0845	Tue	150/00	USB	(AB/ES)
E11	12397	1-8	1000	Tue	309/00	USB	(AB/MPJ/ES)
E11	13873	1-8	1045	Tue	574/00	USB	(AB/MPJ/ES)
E11	6304	1-8	1205	Tue	461/00	USB	(AB/MPJ)
E11	4783	1-8	1605	Tue	232/00	USB	(AB/MPJ)
E11	14575	1-8	1645	Tue	332/00	USB	(AB/MPJ)
E11	11581	1-8	1925	Tue	558/00	USB	(AB/MPJ)
E11	8565	2-8	0315	Wed	252/00	USB	(ES)
E11	15800	2-8	0640	Wed	940/00	USB	(AB/ES)
E11	15720	2-8	0745	Wed	344/00	USB	(AB-AUT)
E11	13427	2-8	0900	Wed	537/00	E11	(AB/FT/MPJ)
E11	6304	2-8	0930	Wed	275/00	E11	(FT/ES)
E11	6304	2-8	1205	Wed	465/00	USB	(AB)
E11	15795	2-8	1625	Wed	976/00	USB	(AB)
E11	6304	2-8	1930	Wed	275/00	USB	(MPJ)
E11	7600	3-8	0530	Thu	643/00	USB	(AB)
E11	6280	3-8	0820	Thu	436/00	USB	(AB)
E11	12202	3-8	0845	Thu	155/00	USB	(AB)
E11	6304	3-8	0930	Thu	279/00	USB	(AB)
E11	11581	3-8	1300	Thu	586/00	USB	(AB/ES)
E11	10356	3-8	1530	Thu	261/00	USB	(AB/MPJ)
E11	14575	3-8	1645	Thu	332/00	USB	(AB/MPJ/RL)
E11	8088	3-8	1730	Thu	412/00	USB	(AB/MPJ)
E11	11581	3-8	1925	Thu	551/00	USB	(AB/MPJ)
E11	15800	4-8	0600	Fri	182/00	USB	(AB)
E11	10429	4-8	0710	Fri	631/00	USB	(AB)
E11	15720	4-8	0745	Fri	348/00	USB	(AB)
E11	12397	4-8	1000	Fri	309/00	USB	(AB/MPJ/ES)
E11	13537	4-8	1225	Fri	524/00	USB	(MPJ)
E11	14940	4-8	1650	Fri	926/00	USB	(AB/MPJ)
E11	9610	4-8	1910	Fri	618/00	USB	(AB)
E11	8530	4-8	2000	Fri	574/00	USB	(AB)
E11	6480	5-8	0710	Sat	492/00	USB	(AB)
E11	9079	5-8	0805	Sat	313/00	USB	(AB)
E11	11581	5-8	1300	Sat	581/00	USB	(AB/MPJ)

E11	9130	5-8	1910	Sat	369/00	USB	(AB/GHn)
E11	9079	6-8	0805	Sun	313/00	USB	(AB)
E11	4783	6-8	1605	Sun	233/00	USB	(AB/MPJ)
E11	15795	6-8	1625	Sun	975/00	USB	(AB/MPJ)
E11	14940	6-8	1650	Sun	926/00	USB	(AB/GHn/M PJ)
E11	7469	7-8	0450	Mon	410/00	USB	(AB)
E11	7600	7-8	0530	Mon	643/00	USB	(AB)
E11	15800	7-8	0640	Mon	945/00	USB	(AB)
E11	9610	7-8	0745	Mon	267/00	USB	(AB)
E11	6280	7-8	0820	Mon	436/00	USB	(AB)
E11	13427	7-8	0900	Mon	536/00	USB	(AB)
E11	13537	7-8	1225	Mon	522/00	USB	(MPJ/ES)
E11	10429	8-8	0710	Tue	636/00	USB	(AB)
E11	13911	8-8	0820	Tue	130/00	USB	(AB)
E11	13873	8-8	1045	Tue	574/00	USB	(AB/MPJ)
E11	6304	8-8	1205	Tue	466/00	USB	(AB/MPJ)
E11	15825	8-8	1345	Tue	914/00	USB	(AB-FNL)
E11	4783	8-8	1605	Tue	238/00	USB	(AB/MPJ)
E11	14575	8-8	1645	Tue	338/00	USB	(AB/MPJ)
E11	11581	8-8	1925	Tue	556/00	USB	(AB/MPJ)
E11	8565	9-8	0315	Wed	253/00	USB	(AB)
E11	15800	9-8	0640	Wed	942/00	USB	(AB/ES)
E11	15720	9-8	0745	Wed	340/00	USB	(AnEur)
E11	13427	9-8	0900	Wed	530/00	E11	(AB/MPJ)
E11	6304	9-8	1205	Wed	466/00	USB	(AB/MPJ)
E11	15795	9-8	1625	Wed	972/00	USB	(AB/MPJ)
E11	14865	9-8	1705	Wed	394/00	USB	(AB/MPJ)
E11	7984	9-8	1730	Wed	404/00	USB	(AB/MPJ)
E11	8565	10-8	0315	Thu	253/00	USB	(AB/ES)
E11	7600	10-8	0530	Thu	643/00	USB	(AB/ES)
E11	13424	10-8	0645	Thu	517/00	USB	(AB)
E11	6280	10-8	0820	Thu	431/00	USB	(AB)
E11	11581	10-8	1300	Thu	589/00	USB	(AB)
E11	10356	10-8	1530	Thu	264/00	USB	(AB)
E11	14575	10-8	1645	Thu	330/00	USB	(AB)
E11	8088	10-8	1730	Thu	413/00	USB	(AB)
E11	11581	10-8	1925	Thu	551/00	USB	(AB)
E11	15800	11-8	0600	Fri	189/00	USB	(AB/ES)
E11	10429	11-8	0710	Fri	634/00	USB	(AB)
E11	15720	11-8	0745	Fri	348/00	USB	(AB)
E11	13537	11-8	1225	Fri	520/00	USB	(AnEur)
E11	14940	11-8	1650	Fri	925/00	USB	(AB)
E11	9610	11-8	1910	Fri	618/00	USB	(AB)
E11	8530	11-8	2000	Fri	579/00	USB	(AB)
E11	15825	12-8	1345	Sat	911/00	USB	(AB/MPJ)
E11	14865	12-8	1705	Sat	393/00	USB	(AB/MPJ)
E11	7984	12-8	1730	Sat	408/00	USB	(AB/MPJ)
E11	9130	12-8	1910	Sat	368/00	USB	(AB)
E11	14940	13-8	1650	Sun	922/00	USB	(AB-HNG)
E11	9610	13-8	1910	Sun	618/00	USB	(AB)
E11	9130	13-8	2005	Sun	366/00	USB	(AB)
E11	7469	14-8	0450	Mon	410/00	USB	(AB)
E11	7600	14-8	0530	Mon	648/00	USB	(AB/BvR)
E11	15800	14-8	0600	Mon	189/00	USB	(AB)
E11	15800	14-8	0640	Mon	948/00	USB	(AB)
E11	6280	14-8	0820	Mon	433/00	USB	(AB)
E11	13427	14-8	0900	Mon	536/00	USB	(AB/ES)
E11	14410	14-8	1745	Mon	246/00	USB	(AB- AUT/MPJ/G

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E11	13424	15-8	0645	Tue	511/00	USB	(AB/ADS/ES)
E11	10429	15-8	0710	Tue	633/00	USB	(AB)
E11	12202	15-8	0845	Tue	154/00	USB	(AB/MPJ/ES)
E11	12397	15-8	1000	Tue	304/00	USB	(AB/GHn/ES)
E11	6304	15-8	1205	Tue	463/00	USB	(AB-HNG/MPJ)
E11	15825	15-8	1345	Tue	917/00	USB	(AB/MPJ)
E11	11581	15-8	1925	Tue	552/00	USB	(AB/MPJ)
E11	13427	16-8	0900	Wed	534/00	E11	(AB/LA6LU)
E11	6304	16-8	0930	Wed	278/00	E11	(AB/MPJ)
E11	6304	16-8	1205	Wed	463/00	USB	(AB)
E11	6304	16-8	1205	Wed	463/00	USB	(AB)
E11	15795	16-8	1625	Wed	977/00	USB	(MPJ/GHn)
E11	14865	16-8	1705	Wed	394/00	USB	(MPJ)
E11	7984	16-8	1730	Wed	400/00	USB	(MPJ)
E11	8565	17-8	0315	Thu	250/00	USB	(AB)
E11	7600	17-8	0530	Thu	641/00	USB	(AB)
E11	13424	17-8	0645	Thu	517/00	USB	(AB)
E11	6280	17-8	0820	Thu	432/00	USB	(AB)
E11	12202	17-8	0845	Thu	150/00	USB	(AB)
E11	6304	17-8	0930	Thu	278/00	USB	(AB)
E11	11581	17-8	1300	Thu	580/00	USB	(AB/MPJ)
E11	14575	17-8	1645	Thu	334/00	USB	(MPJ)
E11	8088	17-8	1730	Thu	412/00	USB	(AB/MPJ)
E11	11581	17-8	1925	Thu	551/00	USB	(AB/MPJ/GHn)
E11	15800	18-8	0600	Fri	182/00	USB	(AB)
E11	10429	18-8	0710	Fri	639/00	USB	(AB)
E11	12397	18-8	1000	Fri	302/00	USB	(AB/MPJ)
E11	6480	19-8	0710	Sat	496/00	USB	(AB)
E11	9079	19-8	0805	Sat	316/00	USB	(AB)
E11	11581	19-8	1300	Sat	586/00	USB	(MPJ)
E11	15825	19-8	1345	Sat	915/00	USB	(AB/MPJ)
E11	14865	19-8	1705	Sat	392/00	USB	(AB/MPJ)
E11	7984	19-8	1730	Sat	406/00	USB	(AB)
E11	9130	19-8	2005	Sat	364/00	USB	(AB)
E11	6480	20-8	0710	Sun	491/00	USB	(AB)
E11	9079	20-8	0805	Sun	315/00	USB	(AB)
E11	15795	20-8	1625	Sun	974/00	USB	(AB/MPJ)
E11	14410	20-8	1745	Sun	249/00	USB	(AB/MPJ/GHn)
E11	9130	20-8	2005	Sun	366/00	USB	(AB)
E11	7469	21-8	0450	Mon	418/00	USB	(AB)
E11	9610	21-8	0745	Mon	267/00	USB	(AB)
E11	6280	21-8	0820	Mon	432/00	USB	(AB)
E11	13537	21-8	1225	Mon	520/00	USB	(AB/MPJ)
E11	14410	21-8	1745	Mon	246/00	USB	(AB)
E11	13424	22-8	0645	Tue	517/00	USB	(AB)
E11	13911	22-8	0820	Tue	138/00	USB	(AB)
E11	12202	22-8	0845	Tue	155/00	USB	(AB/MPJ)
E11	12397	22-8	1000	Tue	309/00	USB	(MPJ)
E11	13873	22-8	1045	Tue	570/00	USB	(AB/MPJ)
E11	4783	22-8	1605	Tue	232/00	USB	(AB/MPJ-E)
E11	14575	22-8	1645	Tue	331/00	USB	(MPJ)
E11	11581	22-8	1925	Tue	557/00	USB	(AB/MPJ)
E11	15720	23-8	0745	Wed	343/00	USB	(AB)
E11	13911	23-8	0820	Wed	132/00	USB	(AnEur)
E11	6304	23-8	0930	Wed	271/00	E11	(AB/MPJ)
E11	7984	23-8	1730	Wed	408/00	USB	(AB/MPJ/Bv

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E11	13424	24-8	0645	Thu	511/00	USB	(AB-G)
E11	6280	24-8	0820	Thu	432/00	USB	(AB)
E11	12202	24-8	0845	Thu	152/00	USB	(AB)
E11	6304	24-8	0930	Thu	277/00	USB	(AB)
E11	10356	24-8	1530	Thu	262/00	USB	(AB/MPJ)
E11	14575	24-8	1645	Thu	330/00	USB	(AB/MPJ)
E11	8088	24-8	1730	Thu	416/00	USB	(AB/MPJ)
E11	11581	24-8	1925	Thu	556/00	USB	(AB/MPJ)
E11	15720	25-8	0745	Fri	344/00	USB	(AB)
E11	12397	25-8	1000	Fri	302/00	USB	(AB/MPJ)
E11	13537	25-8	1225	Fri	525/00	USB	(MPJ)
E11	14940	25-8	1650	Fri	922/00	USB	(AB)
E11	9610	25-8	1910	Fri	614/00	USB	(AB)
E11	6480	26-8	0710	Sat	496/00	USB	(AB)
E11	9079	26-8	0805	Sat	311/00	USB	(AB)
E11	15825	26-8	1345	Sat	912/00	USB	(AB-G)
E11	14865	26-8	1705	Sat	399/00	USB	(AB/MPJ)
E11	7984	26-8	1730	Sat	409/00	USB	(AB)
E11	9079	27-8	0805	Sun	313/00	USB	(AB)
E11	4783	27-8	1605	Sun	230/00	USB	(AB/MPJ)
E11	14940	27-8	1650	Sun	926/00	USB	(AB)
E11	14410	27-8	1745	Sun	242/00	USB	(AB/MPJ)
E11	9610	27-8	1910	Sun	610/00	USB	(AB/MPJ)
E11	7600	28-8	0530	Mon	647/00	USB	(AB)
E11	15800	28-8	0600	Mon	182/00	USB	(AB-G)
E11	15800	28-8	0640	Mon	940/00	USB	(AB)
E11	9610	28-8	0745	Mon	266/00	USB	(AB)
E11	13427	28-8	0900	Mon	538/00	USB	(AB/MPJ)
E11	13537	28-8	1225	Mon	521/00	USB	(AB/MPJ)
E11	14410	28-8	1745	Mon	247/00	USB	(AB/MPJ)
E11	13424	29-8	0645	Tue	519/00	USB	(AB)
E11	10429	29-8	0710	Tue	630/00	USB	(AB)
E11	13911	29-8	0820	Tue	132/00	USB	(AB)
E11	12202	29-8	0845	Tue	150/00	USB	(AB)
E11	12397	29-8	1000	Tue	300/00	USB	(AB)
E11	13873	29-8	1045	Tue	576/00	USB	(AB/MPJ)
E11	6304	29-8	1205	Tue	461/00	USB	(AB/MPJ)
E11	15825	29-8	1345	Tue	911/00	USB	(AB-G)
E11	4783	29-8	1605	Tue	230/00	USB	(AB/MPJ)
E11	15800	30-8	0640	Wed	949/00	USB	(AB-G)
E11	15720	30-8	0745	Wed	349/00	USB	(AB)
E11	13911	30-8	0820	Wed	131/00	USB	(AB)
E11	13427	30-8	0900	Wed	536/00	USB	(AB/MPJ)
E11	6304	30-8	0930	Wed	277/00	E11	(AB/MPJ)
E11	15795	30-8	1625	Wed	977/00	USB	(AB)
E11	7984	30-8	1730	Wed	409/00	USB	(AB/MPJ/Bv R)
E11	7600	31-8	0530	Thu	644/00	USB	(AB)
E11	13424	31-8	0645	Thu	510/00	USB	(AB)
E11	12202	31-8	0845	Thu	151/00	USB	(AB)
E11	6304	31-8	0930	Thu	275/00	USB	(AB/ES)
E11	11581	31-8	1300	Thu	586/00	USB	(MPJ)
E11	10356	31-8	1530	Thu	261/00	USB	(GHn/MPJ)
E11a	15825	1-8	1345	Tue	915/38 Attention 55797 11344 91556 ... 85314 41427 56026 Attention, rpt msg, out	USB	(AB-FNL)
E11a	14865	2-8	1705	Wed	399/31 Attention 62057 02671 21008 ... 65225 79551 99007	USB	(AB/MPJ)
E11a	13424	3-8	0645	Thu	517/36 Attention 17190 25981 50177 ... 87018 14377 81846 Attention, rpt msg, out	USB	(AB)

E11a	14865	5-8	1705	Sat	399/31 Attention 62057 02671 21008 ... 65225 79551 99007 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	7984	5-8	1730	Sat	404/37 Attention 86103 54352 41904 ... 95216 85775 23656 Attention, rpt msg, out	USB	(AB)
E11a	14410	7-8	1745	Mon	240/33 Attention 38121 65376 88020 ... 75634 18973 11929 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13424	8-8	0645	Tue	517/36 Attention 17190 25981 50177 ... 87018 14377 81846 Attention, rpt msg, out	USB	(AB)
E11a	12202	8-8	0845	Tue	157/26 Attention 00580 10809 19873 ... 28916 57290 24671 Attention, rpt msg, out	USB	(AB/ES)
E11a	12397	8-8	1000	Tue	305/34 Attention 43756 48393 78613 ... 05937 32149 02763 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6304	9-8	0930	Wed	277/39 Attention 13017 29201 67948 ... 93340 38954 97872	E11a	(MPJ)
E11a	12202	10-8	0845	Thu	157/26 Attention 00580 10809 19873 ... 28916 57290 24671 Attention, rpt msg, out	USB	(AB/ES)
E11a	6304	10-8	0930	Thu	279/39 Attention 13017 29201 67948 ... 93340 38954 97872 Attention, rpt msg, out	USB	(AB/ES)
E11a	12397	11-8	1000	Fri	305/34 Attention 43756 48393 78613 ... 05937 32149 02763 Attention, rpt msg, out	USB	(AB/ES)
E11a	6480	12-8	0710	Sat	490/40 Attention 02103 63749 97593 ... 63887 18862 80512 Attention, rpt msg, out	USB	(AB)
E11a	9079	12-8	0805	Sat	313/39 Attention 65599 04518 70350 ... 45434 50727 59525 Attention, rpt msg, out	USB	(AB)
E11a	6480	13-8	0710	Sun	490/40 Attention 02103 63749 97593 ... 63887 18862 80512 Attention, rpt msg, out	USB	(AB)
E11a	9079	13-8	0805	Sun	313/39 Attention 65599 04518 70350 ... 45434 50727 59525 Attention, rpt msg, out	USB	(AB)
E11a	14410	13-8	1745	Sun	242/33 Attention ...	USB	(MPJ)
E11a	9610	14-8	0745	Mon	261/31 Attention 97828 29880 81951 ... 19442 88488 41717 Attention, rpt msg, out	USB	(AB)
E11a	13537	14-8	1225	Mon	527/31 Attention 40588 29405 55724 ... 15864 97440 31798	USB	(MPJ)
E11a	13911	15-8	0820	Tue	130/34 Attention 18379 34157 32095 ... 52951 03557 12168 Attention, rpt msg, out	USB	(AB)
E11a	13873	15-8	1045	Tue	570/37 Attention 30320 46005 73223 ... 66749 29638 97429 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	4783	15-8	1605	Tue	233/39 Attention 01699 28994 63925 ... 90283 35525 14129 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	15720	16-8	0745	Wed	346/32 Attention 82907 27139 98853 ... 61256 79026 44452 Attention, rpt msg, out	USB	(AB)
E11a	13911	16-8	0820	Wed	130/34 Attention 18379 34157 32095 ... 52951 03557 12168 Attention, rpt msg, out	USB	(LA6LU)
E11a	10356	17-8	1530	Thu	261/31 Attention 97828 29880 81951 ... 19442 88488 41717 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	15720	18-8	0745	Fri	346/32 Attention 82907 27139 98853 ... 61256 79026 44452 Attention, rpt msg, out	USB	(AB)
E11a	13537	18-8	1225	Fri	527/31 Attention 40588 29405 55724 ... 15864 97440 31798	USB	(MPJ)
E11a	14940	18-8	1650	Fri	924/32 Attention 20125 29471 29569 ... 17458 04519 36855 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9610	18-8	1910	Fri	617/36 Attention 03315 46209 69950 ... 88600 75517 13995 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8530	18-8	2000	Fri	570/37 Attention 30320 46005 73223 ... 66749 29638 97429 Attention, rpt msg, out	USB	(AB)
E11a	4783	20-8	1605	Sun	233/39 Attention 01699 28994 63925 ... 90283 35525 14129 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	14940	20-8	1650	Sun	924/32 Attention 20125 29471 29569 ... 17458 04519 36855 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9610	20-8	1910	Sun	617/36 Attention 03315 46209 69950 ...	USB	(AB/MPJ)

					88600 75517 13995 Attention, rpt msg, out		
E11a	7600	21-8	0530	Mon	643/34 Attention 89918 04618 54354 ... 74301 30341 22947 Attention, rpt msg, out	USB	(AB)
E11a	15800	21-8	0600	Mon	182/38 Attention 93155 92092 19541 ... 77594 55159 71663 Attention, rpt msg, out	USB	(AB)
E11a	15800	21-8	0640	Mon	945/29 Attention 62350 41898 05571 64652 ... 42165 13710 48130 Attention, rpt msg, out	USB	(AB)
E11a	13427	21-8	0900	Mon	530/31 Attention 03991 90740 33811 ... 16331 74491 66261 Attention, rpt msg, out	USB	(AB)
E11a	10429	22-8	0710	Tue	633/37 Attention 78402 00871 12307 ... 38577 20138 68201 Attention, rpt msg, out	USB	(AB)
E11a	6304	22-8	1205	Tue	461/37 Attention 22135 10961 69837 ... 78656 63810 46176 Attention, rpt msg, out	USB	(AB/MPJ/LA 6LU)
E11a	13427	23-8	0900	Wed	530/31 Attention 03991 90740 33811 ... 16331 74491 66261 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6304	23-8	1205	Wed	461/37 Attention 22135 10961 69837 ... 78656 63810 46176 Attention, rpt msg, out	USB	(AB/MPJ/LA 6LU)
E11a	15795	23-8	1625	Wed	978/32 Attention 63631 02902 07243 ... 70885 40466 17499	USB	(MPJ/AB)
E11a	7600	24-8	0530	Thu	643/34 Attention 89918 04618 54354 ... 74301 30341 22947 Attention, rpt msg, out	USB	(AB)
E11a	11581	24-8	1300	Thu	583/38 Attention 41118 50155 09022 ... 66049 83534 92214 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	15800	25-8	0600	Fri	182/38 Attention 93155 92092 19541 ... 77594 55159 71663 Attention, rpt msg, out	USB	(AB)
E11a	10429	25-8	0710	Fri	633/37 Attention 78402 00871 12307 ... 38577 20138 68201 Attention, rpt msg, out	USB	(AB)
E11a	11581	26-8	1300	Sat	583/38 Attention 41118 50155 09022 ... 66049 83534 92214 Attention, rpt msg, out	USB	(AB-G/MPJ)
E11a	9130	26-8	2005	Sat	368/38 Attention 65208 16401 85707 ... 03474 91863 35392 Attention, rpt msg, out	USB	(AB)
E11a	15795	27-8	1625	Sun	978/32 Attention 63631 02902 07243 ... 70885 40466 17499 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9130	27-8	2005	Sun	368/38 Attention 65208 16401 85707 ... 03474 91863 35392 Attention, rpt msg, out	USB	(AB)
E11a	7469	28-8	0450	Mon	415/36 Attention 06891 14297 41934 ... 19466 29366 49722 Attention, rpt msg, out	USB	(AB)
E11a	6280	28-8	0820	Mon	434/40 Attention 20981 49019 81492 ... 47336 24981 11683 Attention, rpt msg, out	USB	(AB)
E11a	14575	29-8	1645	Tue	334/35 Attention 54300 80090 56952 ... 05393 38962 68114 Attention, rpt msg, out	USB	(AB)
E11a	11581	29-8	1925	Tue	552/33 Attention 78869 13277 01845 ... 52995 64933 56176 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6304	30-8	1205	Wed	468/41 Attention 44174 10032 09351 ... 52751 87498 64944 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8565	31-8	0315	Thu	258/38 Attention 35362 62922 91391 ... 27154 15719 Attention, rpt msg, out	USB	(AB)
E11a	6280	31-8	0820	Thu	434/40 Attention 20981 49019 81492 ... 47336 24981 11683 Attention, rpt msg, out	USB	(AB)
E11a	14575	31-8	1645	Thu	334/35 Attention 54300 80090 56952 ... 05393 38962 68114 Attention, rpt msg, out	USB	(MPJ)
E11a	8088	31-8	1730	Thu	415/36 Attention 06891 14297 41934 78647 ... 19466 29366 49722 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	11581	31-8	1925	Thu	552/33 Attention 78869 13277 01845 ... 52995 64933 56176 Attention, rpt msg, out	USB	(AB/MPJ)
E17z	10240	2-8	1547	Wed	Live transmission. Male operator. 274 583 15 53812 10342 73923 ... 41723 53050 52961 583 15 00000	USB	(AAI)

E17z	16780	3-8	0800	Thu	674 290 8 46062 68672 97478 39685 30485 96632 52537 53317 290 8 00000	USB	(AB/ES)
E17z	12850	3-8	0810	Thu	674 290 8 46062 68672 97478 39685 30485 96632 52537 53317 290 8 00000	USB	(AB)
E17z	16780	10-8	0800	Thu	674 290 8 46062 68672 97478 39685 30485 96632 52537 53317 290 8 00000	USB	(AB/ES)
E17z	12850	10-8	0810	Thu	674 290 8 46062 68672 97478 39685 30485 96632 52537 53317 290 8 00000	USB	(AB)
E17z	5140	16-8	1747	Wed	Live transmission i.p. 22384 15014 57238 28011 40778 28733 87245 61823 891 891 35 35 00000. Male operator	USB	(javDX)
E17z	16780	17-8	0800	Thu	674 239 5 11394 30307 31450 38153 39650 239 5 00000	USB	(AB-FIN)
E17z	12850	17-8	0810	Thu	674 239 5 11394 30307 31450 38153 39650 239 5 00000	USB	(AB)
E17z	16780	24-8	0800	Thu	674 239 5 11394 30307 31450 38153 39650 239 5 00000	USB	(AB-G)
E17z	12850	24-8	0810	Thu	674 239 5 11394 30307 31450 38153 39650 239 5 00000	USB	(AB)
E17z	16780	31-8	0800	Thu	674 674 674 00000	USB	(AB)
E17z	12850	31-8	0810	Thu	674 674 674 00000	USB	(AB)
E25	6140	16-8	0744	Wed	Windows sounds. 250 Message 8141 9080 6120 2941 8868 2649 5587 6120 Rebeat 8141 9080 6120 2941 8868 2649 5587 6120 EOM EOT	AM	(dmhz-ISR)
EGY	16313.7	6-8	0637	Sun	MFA Cairo wkg TVQX: Egyptian embassy Teheran	SITOR-A 100/170	(AB)
EGY	16022	28-8	1424	Mon	99904: MFA Cairo wkg 44406: Egyptian Em- bassy, New Delhi	Codan Chirp/16-tone modem	(MCO)
F01	15854	2-8	1840	Wed	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ/HFD)
F01	13543	2-8	1850	Wed	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/H FD)
F01	11126	2-8	1900	Wed	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/H FD)
F01	15931	5-8	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	13452	5-8	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	11093	5-8	1830	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	16023	7-8	0025	Mon	Russian diplo/intel. Header: 11177 00117 28304 04032 01659	FSK 200/500	(Danix-USA)
F01	14373	7-8	0035	Mon	Russian diplo/intel. Header: 11177 00117 28304 04032 01659	FSK 200/500	(Danix-USA)
F01	16023	7-8	0125	Mon	Russian diplo/intel. Header: 11177 00117 28304 04032 01659	FSK 200/500	(Danix-USA)
F01	14373	7-8	0135	Mon	Russian diplo/intel. Header: 11177 00117 28304 04032 01659	FSK 200/500	(Danix-USA)
F01	14421	10-8	0100	Thu	56288 34358 46241 ... 27059 61525 02451 00000	FSK 200/500	(AB-J)
F01	20823	11-8	2230	Fri	Russian diplo/intel. Header: 11177 00116 49621 11032 01759	FSK 200/500	(Danix-USA)
F01	18397	11-8	2240	Fri	Russian diplo/intel. Header: 11177 00116 49621 11032 01759	FSK 200/500	(Danix-USA)
F01	15931	12-8	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ)
F01	13452	12-8	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/ MPJ)
F01	11093	12-8	1830	Sat	Russian diplo/intel.)5761	FSK 200/500	(AB/Danix/

					00000+++++++162		MPJ)
F01	15931	19-8	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)/ HFD
F01	13452	19-8	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/H FD)
F01	11093	19-8	1830	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/H FD)
F01	15931	26-8	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	13452	26-8	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	11093	26-8	1830	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
F01	14373	28-8	0038	Mon	Russian diplo/intel. Header: 11177 00117 42859 24035 01839	FSK 200/500	(MCO)
F03	10210	14-8	0940	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB)
F03	10210	14-8	0945	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB)
F03	10210	21-8	0940	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB/Danix)
F03	10210	21-8	0945	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB/Danix)
F03	10210	25-8	0940	Fri	Unid 17.5 seconds of data TX	AFSK 400Bd/960Hz USB	(Danix)
F03	10210	25-8	0945	Fri	Unid 17.5 seconds of data TX	AFSK 400Bd/960Hz USB	(Danix)
F03	10210	28-8	0940	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB/Danix)
F03	10210	28-8	0945	Mon	Unid sending data. Possibly Polish Intel.	AFSK 400Bd/960Hz USB	(AB/Danix)
F06	14984	1-8	1500	Tue	Russian diplo/intel. 11166 00052 12670 01034 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MCO)
F06	13378	1-8	1510	Tue	Russian diplo/intel. 11166 00052 12670 01034 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10946	1-8	1520	Tue	Russian diplo/intel. 11166 00052 12670 01034 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17534	1-8	1650	Tue	Russian diplo/intel. 11166 10053 35791 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15613	1-8	1700	Tue	Russian diplo/intel. 11166 10053 35791 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12215	1-8	1710	Tue	Russian diplo/intel. 11166 10053 35791 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16346	2-8	0600	Wed	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB-J)
F06	14847	2-8	0610	Wed	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB-J)
F06	12223	2-8	0620	Wed	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB-J)
F06	14976	2-8	0800	Wed	Russian diplo/intel. 11166 70048 53164 02073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13373	2-8	0810	Wed	Russian diplo/intel. 11166 70048 53164 02073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11168	2-8	0820	Wed	Russian diplo/intel. 11166 70048 53164 02073 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17455	2-8	1220	Wed	Russian diplo/intel. Test: 464646464646 464646464646 464646464646	FSK 200/1000	(AB/Danix)
F06	17455	2-8	1230	Wed	Russian diplo/intel. 11166 90073 13579 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	15923	2-8	1240	Wed	Russian diplo/intel. 11166 90073 13579 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	13388	2-8	1250	Wed	Russian diplo/intel. 11166 90073 13579 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)

F06	14978	3-8	1330	Thu	Russian diplo/intel. 11166 80214 10826 03092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12216	3-8	1340	Thu	Russian diplo/intel. 11166 80214 10826 03092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10164	3-8	1350	Thu	Russian diplo/intel. 11166 80214 10826 03092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16153	5-8	1050	Sat	Russian diplo/intel. Test 464646464646 464646464646 464646464646	FSK 200/1000	(AB/Danix)
F06	16153	5-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix/ MPJ)
F06	14438	5-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix/ MPJ)
F06	12216	5-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix)
F06	16289	5-8	2100	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14461	5-8	2110	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12176	5-8	2120	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	16153	6-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix/ MPJ)
F06	14438	6-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix/ MPJ)
F06	12216	6-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 34968 04005 00669	FSK 200/1000	(AB/Danix/ MPJ)
F06	17428	6-8	1530	Sun	Russian diplo/intel. 11166 10053 24680 01003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15786	6-8	1540	Sun	Russian diplo/intel. 11166 10053 24680 01003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12228	6-8	1550	Sun	Russian diplo/intel. 11166 10053 24680 01003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10748	7-8	0400	Mon	Russian diplo/intel. 11166 70059 52014 07019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9139	7-8	0410	Mon	Russian diplo/intel. 11166 70059 52014 07019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7424	7-8	0420	Mon	Russian diplo/intel. 11166 70059 52014 07019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14984	8-8	1500	Tue	Russian diplo/intel. 11166 00052 12378 08003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	13378	8-8	1510	Tue	Russian diplo/intel. 11166 00052 12378 08003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	10946	8-8	1520	Tue	Russian diplo/intel. 11166 00052 12378 08003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	17534	8-8	1650	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15613	8-8	1700	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	12215	8-8	1710	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	16346	9-8	0600	Wed	Russian diplo/intel. Headers: 11166 40122 96385 05032 03029 and 11166 40122 82974 05033 02279	FSK 200/1000	(AB-KOR)
F06	14847	9-8	0610	Wed	Russian diplo/intel. Headers: 11166 40122 96385 05032 03029 and 11166 40122 82974 05033 02279	FSK 200/1000	(AB-KOR)
F06	12223	9-8	0620	Wed	Russian diplo/intel. Headers: 11166 40122 96385 05032 03029 and 11166 40122 82974 05033 02279	FSK 200/1000	(AB-KOR)
F06	14976	9-8	0800	Wed	Russian diplo/intel. 11166 70048 54321	FSK 200/1000	(AB/Danix)

					09057 00049 00000 00000 00000 00000		
F06	16319	9-8	0800	Wed	Russian diplo/intel. 11166 00052 47098 09018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13373	9-8	0810	Wed	Russian diplo/intel. 11166 70048 54321 09057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14378	9-8	0810	Wed	Russian diplo/intel. 11166 00052 47098 09018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11168	9-8	0820	Wed	Russian diplo/intel. 11166 70048 54321 09057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11636	9-8	0820	Wed	Russian diplo/intel. 11166 00052 47098 09018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17434	9-8	0915	Wed	Russian diplo/intel. 11166 10031 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	14369	9-8	0925	Wed	Russian diplo/intel. 11166 10031 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	11163	9-8	0935	Wed	Russian diplo/intel. 11166 10031 24680 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	16321	10-8	0200	Thu	Russian diplo/intel. Header: 11166 60146 00000 10143 02459	FSK 200/1000	(AB-KOR)
F06	14881	10-8	0300	Thu	Russian diplo/intel. Header: 11166 60146 00000 10143 02459	FSK 200/1000	(AB-J)
F06	14978	10-8	1330	Thu	Russian diplo/intel. 11166 80214 25489 10014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12216	10-8	1340	Thu	Russian diplo/intel. 11166 80214 25489 10014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10164	10-8	1350	Thu	Russian diplo/intel. 11166 80214 25489 10014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	12223	12-8	0800	Sat	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	10186	12-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	8094	12-8	0820	Sat	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	16186	12-8	0900	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	14571	12-8	0910	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	12153	12-8	0920	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	16289	12-8	2100	Sat	Russian diplo/intel. Header: 11166 40133 90215 11032 01549	FSK 200/1000	(AB/Danix)
F06	14461	12-8	2110	Sat	Russian diplo/intel. Header: 11166 40133 90215 11032 01549	FSK 200/1000	(AB/Danix)
F06	12176	12-8	2120	Sat	Russian diplo/intel. Header: 11166 40133 90215 11032 01549	FSK 200/1000	(AB/Danix)
F06	12223	13-8	0800	Sun	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	10186	13-8	0810	Sun	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	8094	13-8	0820	Sun	Russian diplo/intel. Header: 11166 70147 18953 11063 01429	FSK 200/1000	(AB/Danix)
F06	16186	13-8	0900	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix/ MPJ)
F06	14571	13-8	0910	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix/ MPJ)
F06	12153	13-8	0920	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix/ MPJ)
F06	17428	13-8	1530	Sun	Russian diplo/intel. 11166 10053 13579 13062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	15786	13-8	1540	Sun	Russian diplo/intel. 11166 10053 13579	FSK 200/1000	(AB/Danix/

					13062 00049 00000 00000 00000 00000		MPJ)
F06	12228	13-8	1550	Sun	Russian diplo/intel. 11166 10053 13579 13062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	14984	15-8	1500	Tue	Russian diplo/intel. 11166 00052 79512 15029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	13378	15-8	1510	Tue	Russian diplo/intel. 11166 00052 79512 15029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	10946	15-8	1520	Tue	Russian diplo/intel. 11166 00052 79512 15029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	17534	15-8	1650	Tue	Russian diplo/intel. 11166 10053 35791 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	15613	15-8	1700	Tue	Russian diplo/intel. 11166 10053 35791 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	12215	15-8	1710	Tue	Russian diplo/intel. 11166 10053 35791 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	16346	16-8	0600	Wed	Russian diplo/intel. 11166 40122 12345 16017 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/Danix- J)
F06	14847	16-8	0610	Wed	Russian diplo/intel. 11166 40122 12345 16017 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/Danix- J)
F06	12223	16-8	0620	Wed	Russian diplo/intel. 11166 40122 12345 16017 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J-Danix- J)
F06	14976	16-8	0800	Wed	Russian diplo/intel. 11166 70048 12345 16003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13373	16-8	0810	Wed	Russian diplo/intel. 11166 70048 12345 16003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11168	16-8	0820	Wed	Russian diplo/intel. 11166 70048 12345 16003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	17455	16-8	1230	Wed	Russian diplo/intel. 11166 90073 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	15923	16-8	1240	Wed	Russian diplo/intel. 11166 90073 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	13388	16-8	1250	Wed	Russian diplo/intel. 11166 90073 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	14978	17-8	1330	Thu	Russian diplo/intel. 11166 80214 25489 17055 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	12216	17-8	1340	Thu	Russian diplo/intel. 11166 80214 25489 17055 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	10164	17-8	1350	Thu	Russian diplo/intel. 11166 80214 25489 17055 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	16153	19-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix/ MPJ)
F06	14438	19-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix/ MPJ)
F06	12216	19-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix/ MPJ)
F06	16289	19-8	2100	Sat	Russian diplo/intel. 11166 40133 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	14461	19-8	2110	Sat	Russian diplo/intel. 11166 40133 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	12176	19-8	2120	Sat	Russian diplo/intel. 11166 40133 35791 19001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	16153	20-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix)
F06	14438	20-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix)
F06	12216	20-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 91586 18006 03529	FSK 200/1000	(AB/Danix)
F06	17428	20-8	1530	Sun	Russian diplo/intel. 11166 10053 13579 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	15786	20-8	1540	Sun	Russian diplo/intel. 11166 10053 13579	FSK 200/1000	(AB/Danix/

					20001 00049 00000 00000 00000 00000		MPJ)
F06	12228	20-8	1550	Sun	Russian diplo/intel. 11166 10053 13579 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	10748	21-8	0400	Mon	Russian diplo/intel. 11166 70059 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9139	21-8	0410	Mon	Russian diplo/intel. 11166 70059 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7424	21-8	0420	Mon	Russian diplo/intel. 11166 70059 13579 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	14984	22-8	1500	Tue	Russian diplo/intel. 11166 00052 79512 22051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13378	22-8	1510	Tue	Russian diplo/intel. 11166 00052 79512 22051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10946	22-8	1520	Tue	Russian diplo/intel. 11166 00052 79512 22051 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17534	22-8	1650	Tue	Russian diplo/intel. 11166 10053 13579 22066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	22-8	1700	Tue	Russian diplo/intel. 11166 10053 13579 22066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	22-8	1710	Tue	Russian diplo/intel. 11166 10053 13579 22066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	23-8	0600	Wed	Russian diplo/intel. Header: 11166 40122 85296 19034 03779	FSK 200/1000	(AB-J)
F06	14847	23-8	0610	Wed	Russian diplo/intel. Header: 11166 40122 85296 19034 03779	FSK 200/1000	(AB-J)
F06	12223	23-8	0620	Wed	Russian diplo/intel. Header: 11166 40122 85296 19034 03779	FSK 200/1000	(AB-J)
F06	14976	23-8	0800	Wed	Russian diplo/intel. 11166 70048 17345 23037 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	16319	23-8	0800	Wed	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB)
F06	13373	23-8	0810	Wed	Russian diplo/intel. 11166 70048 17345 23037 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	14378	23-8	0810	Wed	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB)
F06	11168	23-8	0820	Wed	Russian diplo/intel. 11166 70048 17345 23037 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	11636	23-8	0820	Wed	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB)
F06	17434	23-8	0906	Wed	Russian diplo/intel. Test: 464646464646 464646464646	FSK 200/1000	(AB)
F06	17434	23-8	0915	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	14369	23-8	0925	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	11163	23-8	0935	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	16319	24-8	0800	Thu	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB- UKR/Danix)
F06	14378	24-8	0810	Thu	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB/Danix)
F06	11636	24-8	0820	Thu	Russian diplo/intel. Header: 11166 00052 38421 23018 01829	FSK 200/1000	(AB/Danix)
F06	14978	24-8	1330	Thu	Russian diplo/intel. 11166 80214 16479 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	24-8	1340	Thu	Russian diplo/intel. 11166 80214 16479 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	24-8	1350	Thu	Russian diplo/intel. 11166 80214 16479 24061 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12223	26-8	0800	Sat	Russian diplo/intel. Header: 11166 70147	FSK 200/1000	(AB/Danix)

					36987 25064 01509		
F06	10186	26-8	0810	Sat	Russian diplo/intel. Header: 11166 70147 36987 25064 01509	FSK 200/1000	(AB/Danix)
F06	8094	26-8	0820	Sat	Russian diplo/intel. Header: 11166 70147 36987 25064 01509	FSK 200/1000	(AB/Danix)
F06	16186	26-8	0850	Sat	Russian diplo/intel. Test: 46464646 46464646 46464646. Also at 0851 and 0852 UTC	FSK 200/1000	(AB)
F06	16186	26-8	0900	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	14571	26-8	0910	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	12153	26-8	0920	Sat	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/Danix)
F06	16153	26-8	1050	Sat	Russian diplo/intel. Test: 46464646 46464646 46464646	FSK 200/1000	(AB/Danix)
F06	16153	26-8	1100	Sat	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/Danix/ MPJ)
F06	14438	26-8	1110	Sat	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/Danix/ MPJ)
F06	12216	26-8	1120	Sat	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/Danix/ MPJ)
F06	16289	26-8	2100	Sat	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB/Danix)
F06	14461	26-8	2110	Sat	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB/Danix)
F06	12176	26-8	2120	Sat	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB/Danix)
F06	12223	27-8	0800	Sun	Russian diplo/intel. Header: 11166 70147 36987 25064 01509	FSK 200/1000	(AB)
F06	10186	27-8	0810	Sun	Russian diplo/intel. Header: 11166 70147 36987 25064 01509	FSK 200/1000	(AB)
F06	8094	27-8	0820	Sun	Russian diplo/intel. Header: 11166 70147 36987 25064 01509	FSK 200/1000	(AB)
F06	16186	27-8	0900	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/MPJ)
F06	14571	27-8	0910	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/MPJ)
F06	12153	27-8	0920	Sun	Russian diplo/intel. Header: 11166 70004 37629 11097 00809	FSK 200/1000	(AB/MPJ)
F06	16153	27-8	1100	Sun	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/MPJ)
F06	14438	27-8	1110	Sun	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/MPJ)
F06	12216	27-8	1120	Sun	Russian diplo/intel. Header: 11166 50046 47315 25007 00689	FSK 200/1000	(AB/MPJ)
F06	17428	27-8	1530	Sun	Russian diplo/intel. 11166 10053 24680 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15786	27-8	1540	Sun	Russian diplo/intel. 11166 10053 24680 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12228	27-8	1550	Sun	Russian diplo/intel. 11166 10053 24680 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16289	27-8	2100	Sun	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB)
F06	14461	27-8	2110	Sun	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB)
F06	12176	27-8	2120	Sun	Russian diplo/intel. 11166 40133 25793 25033 01829	FSK 200/1000	(AB)
F06	14984	29-8	1500	Tue	Russian diplo/intel. 11166 00052 79512 29053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)

F06	13378	29-8	1510	Tue	Russian diplo/intel. 11166 00052 79512 29053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	10946	29-8	1520	Tue	Russian diplo/intel. 11166 00052 79512 29053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
F06	17534	29-8	1650	Tue	Russian diplo/intel. 11166 10053 13579 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix/ MPJ)
F06	15613	29-8	1700	Tue	Russian diplo/intel. 11166 10053 13579 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix/ MPJ/RL)
F06	12215	29-8	1710	Tue	Russian diplo/intel. 11166 10053 13579 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/Danix/ MPJ)
F06	16346	30-8	0600	Wed	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-PHL)
F06	14847	30-8	0610	Wed	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-KOR)
F06	12223	30-8	0620	Wed	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-CHN)
F06	14976	30-8	0800	Wed	Russian diplo/intel. 11166 70048 68402 30097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13373	30-8	0810	Wed	Russian diplo/intel. 11166 70048 68402 30097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11168	30-8	0820	Wed	Russian diplo/intel. 11166 70048 68402 30097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16346	31-8	0600	Thu	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-J)
F06	14847	31-8	0610	Thu	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-J)
F06	12223	31-8	0620	Thu	Russian diplo/intel. 2 messages. Headers: 11166 40122 34675 26035 03029 and 11166 40122 70412 26036 02709	FSK 200/1000	(AB-J)
F06	14978	31-8	1330	Thu	Russian diplo/intel. 11166 80214 86045 31092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	31-8	1340	Thu	Russian diplo/intel. 11166 80214 86045 31092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	31-8	1350	Thu	Russian diplo/intel. 11166 80214 86045 31092 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F11	13470	1-8	0630	Tue	0574 00000	FSK 100/620	(AB)
F11	13470	1-8	0635	Tue	0574 00000	FSK 100/620	(AB)
F11	8423	1-8	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	1-8	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	1-8	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	1-8	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	2-8	0730	Wed	0453 00000	FSK 100/620	(AB-AUT)
F11	15632	2-8	0735	Wed	0453 00000	FSK 100/620	(AB-AUT)
F11	13424	2-8	0845	Wed	0353 00000	FSK 100/620	(AB/FT)
F11	13424	2-8	0850	Wed	0353 00000	FSK 100/620	(AB/FT)
F11	6280	2-8	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	2-8	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	3-8	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	3-8	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	6480	3-8	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	3-8	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	4-8	0730	Fri	0453 00000	FSK 100/620	(AB)

F11	15632	4-8	0735	Fri	0453 00000	FSK 100/620	(AB)
F11	8423	4-8	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	4-8	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	6480	7-8	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6480	7-8	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	13424	7-8	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	7-8	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	8423	8-8	0900	Tue	0554 88888 88888 32730 48322 02664 ... 09242 23624 69779 88888 88888 00038 00038	FSK 100/620	(AB)
F11	8423	8-8	0905	Tue	0554 88888 88888 32730 48322 02664 ... 09242 23624 69779 88888 88888 00038 00038	FSK 100/620	(AB)
F11	6280	8-8	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	8-8	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	9-8	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	9-8	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	13424	9-8	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	9-8	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	9-8	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	9-8	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	10-8	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	10-8	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	6480	10-8	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	10-8	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	11-8	0730	Fri	0453 00000	FSK 100/620	(AB)
F11	15632	11-8	0735	Fri	0453 00000	FSK 100/620	(AB)
F11	8423	11-8	0900	Fri	0554 88888 88888 32730 48322 02664 ... 09242 23624 69779 88888 88888 00038 00038	FSK 100/620	(AB)
F11	8423	11-8	0905	Fri	0554 88888 88888 32730 48322 02664 ... 09242 23624 69779 88888 88888 00038 00038	FSK 100/620	(AB)
F11	7837	14-8	0515	Mon	0446 00000	FSK 100/620	(AB)
F11	7837	14-8	0520	Mon	0446 00000	FSK 100/620	(AB)
F11	6480	14-8	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6480	14-8	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	13424	14-8	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	14-8	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	8423	15-8	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	15-8	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	15-8	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	15-8	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	16-8	0730	Wed	0453 88888 88888 82907 27139 98853 ... 61256 79026 44452 88888 88888 00036 00036	FSK 100/620	(AB)
F11	15632	16-8	0735	Wed	0453 88888 88888 82907 27139 98853 ... 61256 79026 44452 88888 88888 00036 00036	FSK 100/620	(AB)
F11	13424	16-8	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	16-8	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	16-8	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	16-8	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	7837	17-8	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	17-8	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	6480	17-8	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	17-8	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	18-8	0730	Fri	0453 88888 88888 82907 27139 98853 ... 61256 79026 44452 88888 88888 00036 00036	FSK 100/620	(AB)

F11	15632	18-8	0735	Fri	0453 88888 88888 82907 27139 98853 ... 61256 79026 44452 88888 88888 00036 00036	FSK 100/620	(AB)
F11	8423	18-8	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	18-8	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	7837	21-8	0515	Mon	0446 88888 88888 89918 04618 54354 ... 74301 30341 22947 88888 88888 00038 00038	FSK 100/620	(AB)
F11	7837	21-8	0520	Mon	0446 88888 88888 89918 04618 54354 ... 74301 30341 22947 88888 88888 00038 00038	FSK 100/620	(AB)
F11	6480	21-8	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6480	21-8	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	13424	21-8	0845	Mon	0353 88888 88888 03991 90740 33811 ... 24334 16331 74491 66261 88888 88888 00035 00035	FSK 100/620	(AB)
F11	13424	21-8	0850	Mon	0353 88888 88888 03991 90740 33811 ... 24334 16331 74491 66261 88888 88888 00035 00035	FSK 100/620	(AB)
F11	8423	22-8	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	22-8	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	22-8	1150	Tue	0325 88888 88888 22135 10961 69837 ... 78656 63810 46176 88888 88888 00041 00041	FSK 100/620	(AB)
F11	6280	22-8	1155	Tue	0325 88888 88888 22135 10961 69837 ... 78656 63810 46176 88888 88888 00041 00041	FSK 100/620	(AB)
F11	15632	23-8	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	23-8	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	13424	23-8	0845	Wed	0353 88888 88888 03991 90740 33811 ... 16331 74491 66261 88888 88888 00035 00035	FSK 100/620	(AB)
F11	13424	23-8	0850	Wed	0353 88888 88888 03991 90740 33811 ... 16331 74491 66261 88888 88888 00035 00035	FSK 100/620	(AB)
F11	6280	23-8	1150	Wed	0325 88888 88888 22135 10961 69837 ... 78656 63810 46176 88888 88888 00041 00041	FSK 100/620	(AB)
F11	6280	23-8	1155	Wed	0325 88888 88888 22135 10961 69837 ... 78656 63810 46176 88888 88888 00041 00041	FSK 100/620	(AB)
F11	7837	24-8	0515	Thu	0446 88888 88888 89918 04618 54354 ... 74301 30341 22947 88888 88888 00038 00038	FSK 100/620	(AB)
F11	7837	24-8	0520	Thu	0446 88888 88888 89918 04618 54354 ... 74301 30341 22947 88888 88888 00038 00038	FSK 100/620	(AB)
F11	6480	24-8	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6480	24-8	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	15632	25-8	0730	Fri	0453 00000	FSK 100/620	(AB)
F11	15632	25-8	0735	Fri	0453 00000	FSK 100/620	(AB)
F11	8423	25-8	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	8423	25-8	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	7837	28-8	0515	Mon	0446 00000	FSK 100/620	(AB)
F11	7837	28-8	0520	Mon	0446 00000	FSK 100/620	(AB)
F11	6480	28-8	0800	Mon	0434 88888 88888 20981 49019 81492 ... 47336 24981 11683 88888 88888 00044 00044	FSK 100/620	(AB)
F11	6480	28-8	0805	Mon	0434 88888 88888 20981 49019 81492 ... 47336 24981 11683 88888 88888 00044	FSK 100/620	(AB)

					00044		
F11	13424	28-8	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	28-8	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	8423	29-8	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	8423	29-8	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	6280	29-8	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	29-8	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	15632	30-8	0730	Wed	0453 00000	FSK 100/620	(AB)
F11	15632	30-8	0735	Wed	0453 00000	FSK 100/620	(AB)
F11	13424	30-8	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	30-8	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	30-8	1150	Wed	0325 44174 10032 09351 ... 52751 87498 64944 00041 00041 Note: No 88888 88888 intro and outro	FSK 100/620	(AB)
F11	6280	30-8	1155	Wed	0325 44174 10032 09351 ... 52751 87498 64944 00041 00041 Note: No 88888 88888 intro and outro	FSK 100/620	(AB)
F11	7837	31-8	0515	Thu	0446 00000	FSK 100/620	(AB)
F11	7837	31-8	0520	Thu	0446 00000	FSK 100/620	(AB)
F11	6480	31-8	0800	Thu	0434 88888 88888 20981 49019 81492 ... 47336 24981 11683 88888 88888 00044 00044	FSK 100/620	(AB)
F11	6480	31-8	0805	Thu	0434 88888 88888 20981 49019 81492 ... 47336 24981 11683 88888 88888 00044 00044	FSK 100/620	(AB)
G06	7325	7-8	0759	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	5471	7-8	1622	Mon	111 111 111 00000	USB	(AB)
G06	5471	7-8	1630	Mon	111 111 111 00000	USB	(AB)
G06	5471	7-8	1659	Mon	563 563 563 00000	USB	(AB/MPJ/HF D)
G06	5471	7-8	1700	Mon	563 0	USB	(HFD)
G06	5471	7-8	1708	Mon	111 111 111 00000	USB	(AB)
G06	5471	7-8	1716	Mon	111 111 111 00000	USB	(AB)
G06	5756	7-8	1759	Mon	563 563 563 00000 Windows shut down sound	USB	(AB/MPJ/HF D)
G06	5764	7-8	1800	Mon	563 0	USB	(HFD)
G06	6924	9-8	1137	Wed	111 111 111 00000	USB	(ES)
G06	6924	9-8	1200	Wed	563 563 563 00000	USB	(MPJ/ES)
G06	6924	9-8	1208	Wed	111 111 111 00000	USB	(ES)
G06	7360	9-8	1300	Wed	563 563 563 00000	USB	(AB/MPJ)
G06	6897	10-8	1829	Thu	842 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound	USB	(AB)
G06	5935	11-8	1930	Fri	218 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 21 Windows shut down sound	USB	(AB)
G06	5471	14-8	1621	Mon	111 111	USB	(AB)
G06	5471	14-8	1625	Mon	Sounds in stead of numbers, sent at the same pace	USB	(AB)
G06	5471	14-8	1629	Mon	Sounds in stead of numbers, sent at the same pace	USB	(AB)
G06	5467	14-8	1659	Mon	563 563 563 00000	USB	(AB)
G06	5764	14-8	1714	Mon	111 111 111 00000	USB	(AB)
G06	5764	14-8	1720	Mon	111 111 111 00000	USB	(AB)
G06	5764	14-8	1758	Mon	563 563 563 00000 Windows shut down sound	USB	(AB/MPJ/GH n)
G06	6924	16-8	1200	Wed	563 0	USB	(HFD)
G06	6924	16-8	1200	Wed	563 563 563 00000	USB	(MPJ/LA6LU /BvR)

G06	7368	16-8	1300	Wed	563 563 563 00000	USB	(AB)
G06	7320	21-8	0758	Mon	329 329 329 00000	USB	(AB)
G06	6884	24-8	1830	Thu	842 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000. Windows shut down sound	USB	(AB)
G06	5933	25-8	1930	Fri	218 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB/MPJ)
HM01	11435	1-8	1614	Tue	i.p. 37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(RR2)
HM01	16180	1-8	2057	Tue	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(RL)
HM01	17480	1-8	2200	Tue	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(Dan)
HM01	11435	2-8	1559	Wed	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(DSch)
HM01	11530	2-8	1740	Wed	i.p. 37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(RR2)
HM01	11435	3-8	1600	Thu	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(RR2)
HM01	17480	3-8	2200	Thu	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(Dan)
HM01	11435	4-8	1637	Fri	i.p. 37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(RR2)
HM01	11530	4-8	1746	Fri	37635 80181 58106 02804 38301 27093 (repeating groups of 31 July)	AM/RDFT	(DSch)
HM01	11435	5-8	1605	Sat	i.p. 37636 80182 58107 02805 38302 27094	AM/RDFT	(RR2)
HM01	9065	6-8	0758	Sun	37636 80182 58107 02805 38302 27094	AM/RDFT	(AB)
HM01	17480	6-8	2157	Sun	37636 80182 58107 02805 38302 27094	AM/RDFT	(RL)
HM01	11435	7-8	1559	Mon	55801 80184 66821 02807 38304 27096	AM/RDFT	(RR2)
HM01	11435	8-8	1602	Tue	i.p. 55801 80185 66822 33341 38305 27097	AM/RDFT	(RR2)
HM01	11435	10-8	1604	Thu	i.p. 55803 80187 66824 33342 38307 53772	AM/RDFT	(RR2)
HM01	11530	10-8	1713	Thu	i.p. 55802 80186 66823 33341 38306 53771	AM/RDFT	(RR2)
HM01	11435	11-8	1600	Fri	55804 80188 66825 33343 38308 53773	AM/RDFT	(RR2)
HM01	11530	11-8	1731	Fri	55804 80188 66825 33343 38308 53773	AM/RDFT	(RR2)
HM01	11435	12-8	1558	Sat	55805 32251 66826 33344 38309 53774	AM/RDFT	(RR2)
HM01	17480	12-8	2205	Sat	i.p. 55805 32251 66826 33344 38309 53774	AM/RDFT	(BW3)
HM01	9065	13-8	0758	Sun	55805 32251 66826 33344 38309 53774	AM/RDFT	(AB)
HM01	11435	13-8	1602	Sun	i.p. 55807 32252 66828 33346 78611 53776	AM/RDFT	(RR2)
HM01	11435	14-8	1556	Mon	i.p. Windows sounds and finally new groups: 51571 32254 01661 33348 78613 53778	AM/RDFT	(RR2)
HM01	11435	15-8	1601	Tue	51571 32255 01661 33349 78614 53779	AM/RDFT	(RR2)
HM01	11530	16-8	1657	Wed	51572 32256 01662 55781 78615 77221	AM/RDFT	(RR2)
HM01	11635	16-8	2057	Wed	51572 32256 01662 55781 78615 77221	AM/RDFT	(LA6LU)
HM01	11435	17-8	1607	Thu	i.p. 51573 32257 01663 55782 78616 77221	AM/RDFT	(RR2)
HM01	11435	18-8	1612	Fri	i.p. 51574 32258 01664 55783 78617 77222	AM/RDFT	(RR2)
HM01	11635	18-8	1801	Fri	51574 32258 01664 55783 78617 77222	AM/RDFT	(DSch)
HM01	11435	19-8	1559	Sat	51576 60381 01666 55785 03201 77224	AM/RDFT	(DSch)
HM01	11435	19-8	1559	Sat	51575 32259 01665 55784 03201 77223	AM/RDFT	(DSch)
HM01	11530	19-8	1658	Sat	51575 32259 01665 55784 03201 77223	AM/RDFT	(RR2)
HM01	11635	19-8	1759	Sat	51575 32259 01665 55784 03201 77223	AM/RDFT	(DSch)
HM01	11530	20-8	1728	Sun	51576 60381 01666 55785 03201 77224	AM/RDFT	(RR2)
HM01	11435	21-8	1602	Mon	51577 60381 01667 55786 03202 77225	AM/RDFT	(DSch)
HM01	11435	21-8	1629	Mon	51577 60381 01667 55786 03202 77225	AM/RDFT	(RR2)
HM01	11435	22-8	1601	Tue	51578 60382 81501 55787 03203 77226	AM/RDFT	(RR2)
HM01	11635	22-8	1831	Tue	51578 60382 81501 55787 03203 77226	AM/RDFT	(DSch)
HM01	11435	23-8	1605	Wed	51578 60382 81501 55787 03203 77226	AM/RDFT	(DSch)
HM01	11635	23-8	2108	Wed	i.p. 51578 60382 81501 55787 03203 77226 (repeating the groups of 22-8)	AM/RDFT	(RR2)
HM01	11435	24-8	1614	Thu	i.p. 51578 60382 81501 55787 03203 77226 (repeating the groups of 22-8)	AM/RDFT	(RR2)

HM01	11435	25-8	1602	Fri	51578 60382 81501 55787 03203 77226 (repeating the groups of 22-8)	AM/RDFT	(DSch)
HM01	11635	25-8	1828	Fri	i.p. 51578 60382 81501 55787 03203 77226 (repeating the groups of 22-8)	AM/RDFT	(RR2)
HM01	13435	26-8	0657	Sat	51578 60382 81501 55787 03203 77226 (repeating the groups of 22-8)	AM/RDFT	(AB)
HM01	11435	26-8	1601	Sat	i.p. 51579 60383 81501 23561 03204 77227	AM/RDFT	(RR2)
HM01	17480	26-8	2242	Sat	51579 60383 81501 23561 03204 77227	AM/RDFT	(DSch)
HM01	11435	27-8	1559	Sun	26861 60384 81502 23561 03205 46161	AM/RDFT	(RR2)
HM01	11435	28-8	1606	Mon	i.p. 26861 60385 81503 23562 03206 46161	AM/RDFT	(RR2)
HM01	11530	28-8	1714	Mon	26861 60385 81503 23562 03206 46161	AM/RDFT	(DSch)
HM01	11435	29-8	1558	Tue	26862 60386 81504 23563 03207 46162	AM/RDFT	(RR2)
HM01	11530	29-8	1739	Tue	26862 60386 81504 23563 03207 46162	AM/RDFT	(DSch)
HM01	16180	29-8	2057	Tue	26862 60386 81504 23563 03207 46162	AM/RDFT	(RL)
HM01	11435	30-8	1558	Wed	26863 60387 81505 23564 14301 46163	AM/RDFT	(RR2)
HM01	11435	31-8	1557	Thu	26864 60388 81506 23565 14301 46164	AM/RDFT	(RR2)
HM01	11530	31-8	1744	Thu	26864 60388 81506 23565 14301 46164	AM/RDFT	(DSch)
HM01	16180	31-8	2057	Thu	26864 60388 81506 23565 14301 46164	AM/RDFT	(RL)
HM02	7761	1-8	0600	Tue	206 58 = 40527 89136 12928 ... 75311 78362 18666 = 206 58 206 58 = repeats message = 206 58 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	2-8	0600	Wed	984 64 = 00364 23816 87835 ... 38325 13277 31248 = 984 64 984 64 = repeats message = 984 64 000. Errors in message	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	3-8	0600	Thu	785 68 = 62602 65411 56654 ... 08736 16660 56855 = 785 68 785 68 = repeats message = 785 68 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	4-8	0600	Fri	489 72 = 67006 85230 43212 ... 62742 77634 07051 = 489 72 489 72 = repeats message = 489 72 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	5-8	0600	Sat	631 63 = 66398 40527 89136 ... 27548 06581 32486 = 631 63 631 63 = repeats message = 631 63 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	6-8	0600	Sun	401 63 = 41905 42872 63851 ... 47499 98986 51835 = 401 63 401 63 = repeats message = 401 63 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	7-8	0600	Mon	651 67 = 24482 35452 63334 ... 36643 87757 52245 = 651 67 651 67 = repeats message = 651 67 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	8-8	0600	Tue	294 63 = 08208 01014 87431 ... 78059 00173 20844 = 294 63 294 63 = repeats message = 294 63 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	11-8	0600	Fri	591 64 = 16141 51521 10463 ... 83177 66320 87541 = 591 64 591 64 = repeats message = 591 64 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	18-8	0600	Fri	Carrier only	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	20-8	0600	Sun	273 65 = 23440 13764 16166 ... 41122 13492 96374 = 273 65 273 65 = repeats message = 273 65 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	22-8	0600	Tue	925 63 = 68949 78669 35428 ... 02360 55365 73541 = 925 63 925 63 = repeats message = 925 63 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
HM02	7761	23-8	0600	Wed	307 62 = 32771 41140 79197 ... x3264 00024 5x976 = 307 62 307 62 = repeats message = 307 62 000	FSK- 19.8bd/129Hz/FSK-CW	(AB)
M01	5280	1-8	1800	Tue	025 737 30 (no BTs) 86008 61694 75300 ... 68590 34779 57349 = = 737 30 000	CW	(MPJ)
M01	5280	3-8	1800	Thu	025 183 30 = = 80797 48252 94911 ... 32144 28166 92826 = = 183 30 000	CW	(MPJ/ES)

M01	6435	5-8	1500	Sat	025 460 30 = = 03200 35642 (?) ... (QRM) ... 96429 24638 06620 = = 460 30 000	CW	(MPJ-UKR)
M01	6780	6-8	0700	Sun	025 183 183 30 30 = = 53951 77074 37315 ... 99567 99093 28318 = = 173 173 39 EEEEE 30 30 000 Live transmission. Errors in header and at the end	MCW	(AB)
M01	5280	8-8	1800	Tue	025 460 30 = = 91343 85653 99828 ... 47341 63585 21569 = = 460 30 000	CW	(MPJ)
M01	5280	10-8	1800	Thu	025 178 178 30 30 = = message	MCW	(AB)
M01	6435	12-8	1500	Sat	025 163/30 163/30 66852 38012 35255 ... 56811 18197 86892 163/30 000	CW	(AB/MPJ/ES)
M01	6780	13-8	0700	Sun	025 513 513 30 30 = = 84554 10440 32103 92214 54516 14729 60945 0060 ... many errors	MCW	(AB)
M01	5280	15-8	1803	Tue	025 187 30 = = 60996 39987 37968 ... 27744 23461 93206 = = 187 30 000	CW	(MPJ)
M01	5465	18-8	1902	Fri	336 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000	MCW	(MPJ)
M01	6435	19-8	1502	Sat	025 189 30 = = 79941 16383 .1022 42809 ... 98076 23783 80594 = = 189 30 000. Late start	CW	(MPJ-AUT)
M01	5280	22-8	1800	Tue	025 701 30 = = 03784 50506 40221 ... 250259 102591 640674 (as sent) = = 701 30 000	CW	(MPJ)
M01	5280	24-8	1800	Thu	025 703/30 703/30 = 64670 86120 31172 ... 86876 09387 09570 703 = 30 00 (as sent)	CW	(MPJ)
M01	6435	26-8	1500	Sat	025 901 30 = = 94646 99996 36172 ... 76192 40365 94390 = = 901 30 000	CW	(MPJ)
M01	6789	27-8	0700	Sun	025 154 154 30 30 3 = = 37706 19449 63975 ... 62896 33023 56556 = = 154 154 30 30 000	CW	(AB)
M01	5280	29-8	1800	Tue	025 448 30 = = 50676 25493 71316 ... 35231 69136 72219 = = 448 30 000	CW	(MPJ)
M01	5280	31-8	1800	Thu	25 903 30 = = 84219 57760 64066 ... 36241 40284 01307 = = 903 30 000	CW	(MPJ)
M01	4905	31-8	2000	Thu	025 157 157 30 30 = = 52724 34732 87456 ... 15749 96188 88791 = = 157 157 30 30 000	MCW	(AB)
M01a	5080	29-8	0937	Tue	i.p. 523 523 523 75936 75936 (Rx9) 0941z	CW	(ES-POL)
M01a	4849	29-8	1008	Tue	i.p. 333 38419 38419 (Rx2) 333 38414 38414 (Rx2) 333 38529 38529 333 111 333 02 1 0 11 ...	CW	(ES-POL)
M01a	5317	29-8	1118	Tue	i.p. 333 0 8 333 01 999 111 999 562 10 = 47890 45749 80467 8049 87049 87451 35498 40124 89406 54168 = 562 10 ...	CW	(ES-POL)
M01a	4849	29-8	1122	Tue	901 901 901 38525 38525 (Rx2) 333 38535 38535 (x2) 333 38545 38545 (x2) ...	CW	(ES-POL)
M01a	4844	29-8	1208	Tue	i.p. 333 26607 26607 333 26638 26638 (x2) 111 0 0 0 111 0 0 0	CW	(ES-POL)
M01b	5095	3-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5760 kHz	MCW	(MPJ/ES)
M01b	5095	3-8	1832	Thu	815 173 31 = 88699 23712 83202 ... 41847 19509 93587 = 173 31 000 //5760 kHz	MCW	(ES)
M01b	5760	3-8	1832	Thu	815 173 31 = 88699 23712 83202 ... 41847 19509 93587 = 173 31 000 //5095 kHz	MCW	(ES)
M01b	5760	3-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5095 kHz	MCW	(MPJ/ES)
M01b	5065	3-8	1942	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5805 kHz	MCW	(MPJ)
M01b	5805	3-8	1942	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5065 kHz	MCW	(MPJ)
M01b	5075	4-8	1902	Fri	336 173 31 = = 88699 23712 83202 ... 41847	MCW	(MPJ)

					19509 93587 = = 173 31 000 //5464 kHz		
M01b	5465	4-8	1902	Fri	336 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5075 kHz	MCW	(MPJ)
M01b	5150	7-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	7-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5150 kHz	MCW	(MPJ)
M01b	5735	14-8	1810	Mon	364 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000. Tone +1100 Hz. // 5125 (14Aug17) (MPJ)	MCW	(MPJ)
M01b	5150	14-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	14-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	17-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5760 kHz	MCW	(MPJ)
M01b	5760	17-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5095 kHz	MCW	(MPJ)
M01b	5805	17-8	1942	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000	MCW	(MPJ)
M01b	5125	21-8	1810	Mon	364 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5735 kHz	MCW	(MPJ)
M01b	5735	21-8	1810	Mon	364 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5125 kHz	MCW	(MPJ)
M01b	5150	21-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	21-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	24-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5760 kHz	MCW	(MPJ)
M01b	5760	24-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5095 kHz	MCW	(MPJ)
M01b	5805	24-8	1942	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000	MCW	(MPJ)
M01b	5075	25-8	1902	Fri	336 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	25-8	1902	Fri	336 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5075 kHz	MCW	(AB/MPJ)
M01b	4895	25-8	2010	Fri	i.p. ??? 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5340 kHz	MCW	(AB)
M01b	5340	25-8	2010	Fri	i.p. ??? 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //4895 kHz	MCW	(AB)
M01b	5125	28-8	1810	Mon	364 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5735 kHz	MCW	(AB/MPJ)
M01b	5735	28-8	1810	Mon	364 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5125 kHz	MCW	(AB/MPJ)
M01b	5150	28-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	28-8	1915	Mon	858 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	31-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5760 kHz	MCW	(MPJ)
M01b	5760	31-8	1832	Thu	815 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5095 kHz	MCW	(MPJ)
M01b	5065	31-8	1940	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5805 kHz	MCW	(AB)
M01b	5805	31-8	1940	Thu	936 173 31 = = 88699 23712 83202 ... 41847 19509 93587 = = 173 31 000 //5065 kHz	MCW	(AB)

M08a	8136	1-8	2300	Tue	M08a and HM01 mixing	CW	(CM2)
M12	15983	2-8	1400	Wed	963 963 963 000	CW	(AB/MPJ/ES)
M12	14683	2-8	1420	Wed	963 963 963 000	CW	(AB/MPJ/ES)
M12	8123	2-8	2100	Wed	198 198 198 000	CW	(AB/HFD)
M12	13369	2-8	2110	Wed	314 314 314 000	CW	(HFD)
M12	6923	2-8	2120	Wed	198 198 198 000	CW	(AB/HFD)
M12	12179	2-8	2131	Wed	314 314 314 000	CW	(HFD)
M12	14468	3-8	1310	Thu	451 451 451 000	CW	(AB/MPJ/ES/ HFD)
M12	13568	3-8	1330	Thu	451 451 451 000	CW	(AB/MPJ/ES/ HFD)
M12	16148	4-8	1950	Fri	174 174 174 000	CW	(AB/MPJ/RL)
M12	14758	4-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	9167	5-8	0500	Sat	125 125 125 000	CW	(AB/HFD)
M12	10267	5-8	0520	Sat	125 125 125 000	CW	(AB/HFD)
M12	14468	5-8	1310	Sat	451 451 451 000	CW	(AB/MPJ/ES)
M12	13568	5-8	1330	Sat	451 451 451 000	CW	(AB/MPJ/ES)
M12	13369	5-8	2110	Sat	314 314 314 000	CW	(AB/ES)
M12	12169	5-8	2130	Sat	314 314 314 000	CW	(AB/ES)
M12	15983	7-8	1400	Mon	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/HF D)
M12	14683	7-8	1420	Mon	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/HF D)
M12	13383	7-8	1440	Mon	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/HF D)
M12	15983	9-8	1400	Wed	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/ES)
M12	14683	9-8	1420	Wed	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/ES)
M12	13383	9-8	1440	Wed	963 1 3391 127 36681 01122 48342 ... 94981 06426 18596 000 000	CW	(AB/MPJ/ES)
M12	16148	9-8	1950	Wed	174 174 174 000	CW	(AB/MPJ/RL)
M12	14748	9-8	2010	Wed	174 174 174 000	CW	(AB/MPJ/RL)
M12	8123	9-8	2100	Wed	198 1 3184 85 07620 90656 93848 ... 89534 21614 47890 000 000	CW	(AB)
M12	6923	9-8	2120	Wed	198 1 3184 85 07620 90656 93848 ... 89534 21614 47890 000 000	CW	(AB)
M12	5823	9-8	2140	Wed	198 1 3184 85 07620 90656 93848 ... 89534 21614 47890 000 000	CW	(AB)
M12	14468	10-8	1310	Thu	451 451 451 000	CW	(AB/ES)
M12	13568	10-8	1330	Thu	451 451 451 000	CW	(AB/ES)
M12	16148	11-8	1950	Fri	174 174 174 000	CW	(AB)
M12	14758	11-8	2010	Fri	174 174 174 000	CW	(AB)
M12	9167	12-8	0500	Sat	125 1 3184 85 07620 90656 ... 21614 47890 000 000	CW	(ES)
M12	10267	12-8	0520	Sat	125 1 3184 85 07620 90656 ... 21614 47890 000 000	CW	(ES)
M12	11567	12-8	0540	Sat	125 1 3184 85 07620 90656 ... 21614 47890 000 000	CW	(ES)
M12	14468	12-8	1310	Sat	451 451 451 000	CW	(AB/MPJ)
M12	13568	12-8	1330	Sat	451 451 451 000	CW	(AB/MPJ)
M12	13369	12-8	2110	Sat	314 314 314 000	CW	(AB/ES)
M12	12179	12-8	2130	Sat	314 314 314 000	CW	(AB/ES)
M12	15983	14-8	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	14-8	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	15983	16-8	1400	Wed	963 963 953 000	CW	(AB/MPJ)
M12	14683	16-8	1420	Wed	963 963 963 000	CW	(AB/MPJ)
M12	16148	16-8	1950	Wed	174 174 174 000	CW	(AB/MPJ)
M12	14748	16-8	2010	Wed	174 174 174 000	CW	(AB)
M12	8123	16-8	2100	Wed	198 198 198 000	CW	(AB)

M12	13369	16-8	2110	Wed	314 314 314 000	CW	(AB)
M12	6923	16-8	2120	Wed	198 198 198 000	CW	(AB)
M12	12179	16-8	2130	Wed	314 314 314 000	CW	(AB)
M12	14468	17-8	1310	Thu	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	13568	17-8	1330	Thu	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	12178	17-8	1350	Thu	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	16148	18-8	1950	Fri	174 174 174 000	CW	(MPJ)
M12	14758	18-8	2010	Fri	174 174 174 000	CW	(AB)
M12	9167	19-8	0500	Sat	125 125 125 000	CW	(AB)
M12	10267	19-8	0520	Sat	125 125 125 000	CW	(AB)
M12	14468	19-8	1310	Sat	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	13568	19-8	1330	Sat	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	12178	19-8	1350	Sat	451 1 3192 83 56203 68018 88378 ... 59354 03775 72487 000 000	CW	(AB/MPJ)
M12	13369	19-8	2110	Sat	314 314 314 000	CW	(AB)
M12	12179	19-8	2130	Sat	314 314 314 000	CW	(AB)
M12	15983	21-8	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	21-8	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	15983	23-8	1400	Wed	963 963 953 000	CW	(AB/MPJ)
M12	14683	23-8	1420	Wed	963 963 963 000	CW	(AB/MPJ)
M12	16148	23-8	1950	Wed	174 174 174 000	CW	(AB/MPJ)
M12	14748	23-8	2010	Wed	174 174 174 000	CW	(AB)
M12	8123	23-8	2100	Wed	198 198 198 000	CW	(AB)
M12	6923	23-8	2120	Wed	198 198 198 000	CW	(AB)
M12	14468	24-8	1310	Thu	451 451 451 000	CW	(AB/MPJ)
M12	13568	24-8	1330	Thu	451 451 451 000	CW	(AB/MPJ)
M12	16148	25-8	1950	Fri	174 174 174 000	CW	(AB/MPJ)
M12	14758	25-8	2010	Fri	174 174 174 000	CW	(AB)
M12	9167	26-8	0500	Sat	125 125 125 000	CW	(AB/ES)
M12	10267	26-8	0520	Sat	125 125 125 000	CW	(AB/ES)
M12	14468	26-8	1310	Sat	451 451 451 000	CW	(AB-G/MPJ)
M12	13568	26-8	1330	Sat	451 451 451 000	CW	(AB-G/MPJ)
M12	13369	26-8	2110	Sat	314 314 314 1 2210 91 2210 91 39893 11001 62998 ... 82677 65778 48822 000 000	CW	(AB/ES)
M12	12179	26-8	2130	Sat	314 314 314 1 2210 91 2210 91 39893 11001 62998 ... 82677 65778 48822 000 000	CW	(AB)
M12	10469	26-8	2150	Sat	314 314 314 1 2210 91 2210 91 39893 11001 62998 ... 82677 65778 48822 000 000	CW	(AB)
M12	15983	28-8	1400	Mon	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ/MC O)
M12	14683	28-8	1420	Mon	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ)
M12	13883	28-8	1440	Mon	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ)
M12	15983	30-8	1400	Wed	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ)
M12	14683	30-8	1420	Wed	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ)
M12	13883	30-8	1440	Wed	963 1 8501 149 46623 39926 55688 ... 59922 05649 02582 000 000	CW	(AB/MPJ)
M12	16148	30-8	1950	Wed	174 174 174 000	CW	(AB/MPJ/RL)
M12	14748	30-8	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	8123	30-8	2100	Wed	198 1 145 111 66281 81448 77047 ... 55808 00529 63726 000 000	CW	(AB/HFD)
M12	6923	30-8	2120	Wed	198 1 145 111 66281 81448 77047 ... 55808	CW	(AB/HFD)

					00529 63726 000 000		
M12	5823	30-8	2140	Wed	198 1 145 111 66281 81448 77047 ... 55808 00529 63726 000 000	CW	(AB/HFD)
M12	14468	31-8	1310	Thu	451 451 451 000	CW	(AB/MPJ)
M12	13568	31-8	1330	Thu	451 451 451 000	CW	(AB/MPJ)
M14	18041	1-8	0500	Tue	952 708 708 50 50 == 78834 36248 15082 ... 37149 51427 06251 = 708 708 50 50 00000	CW	(AB-J)
M14	5357	1-8	1600	Tue	273 367 367 81 81 16230 40196 79437 ... 18063 53381 66189 367 367 81 81 00000	MCW	(AB/MPJ)
M14	18041	2-8	0500	Wed	952 431 431 60 60 == 11042 18988 62712 ... 78709 63045 94043 == 431 431 60 60 00000	CW	(AB-KOR)
M14	18041	3-8	0500	Thu	952 760 760 50 50 == 50947 27722 73684 58592 ... 75545 28116 70054 == 760 760 50 50 0000	CW	(AB-J)
M14	18041	4-8	0500	Fri	952 148 148 60 60 == 49172 56589 65253 ... 56626 27216 77367 = 148 148 60 60 00000	CW	(AB-J)
M14	7485	4-8	1800	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	6899	4-8	1900	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5430	5-8	0800	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB)
M14	5560	5-8	0900	Sat	171 027 027 45 45 45632 17653 27362 ... 10956 37509 27843 027 027 45 45 00000	MCW	(AB- RUS/F5JBR)
M14	18041	7-8	0500	Mon	952 636 636 50 50 == 81630 68595 12332 ... 53360 28608 59312 == 636 636 50 50 00000	CW	(AB-J)
M14	18041	8-8	0500	Tue	952 874 874 50 50 == 15432 94727 44424 ... 00857 33011 77537 == 874 874 50 50 00000	CW	(AB-J/F5JBR- J)
M14	6870	8-8	1820	Tue	163 736 736 30 30 == 35241 26534 87635 ... 18625 73654 18263 == 736 736 30 30 00000	MCW	(AB/MPJ)
M14	18041	9-8	0500	Wed	952 131 131 60 60 == 34266 31317 54073 ... 13983 82215 48881 == 131 131 60 60 00000	CW	(AB-KOR)
M14	5936	9-8	1920	Wed	417 736 736 30 30 == 35241 26534 87635 ... 18625 73654 18263 == 736 736 30 30 00000	MCW	(AB/MPJ)
M14	18041	10-8	0500	Thu	952 746 746 50 50 == 65379 80837 15536 ... 01239 44898 18923 == 746 746 50 50 00000	CW	(AB-J)
M14	16347	10-8	0930	Thu	617 617 617 00000	CW	(AB/ES)
M14	18041	11-8	0500	Fri	952 318 318 60 60 == 59831 36913 96759 ... 33806 35467 45564 == 318 318 60 60 00000	CW	(AB-J)
M14	5430	12-8	0800	Sat	171 736 736 30 30 == 35241 26534 87635 ... 18625 73654 18263 = 736 736 30 30 000	MCW	(AB-UKR)
M14	5560	12-8	0900	Sat	171 736 736 30 30 == 35241 26534 87635 ... 18625 73654 18263 = 736 736 30 30 000	MCW	(AB-RUS)
M14	18041	14-8	0500	Mon	952 746 746 55 55 == 07702 58080 48221 ... 09988 46961 23137 == 746 746 55 55 0000	CW	(AB-J)
M14	18041	15-8	0500	Tue	952 808 808 50 50 == 17740 23772 56217 ... 75743 13086 96314 == 808 808 50 50 00000	CW	(AB-J)
M14	5357	15-8	1600	Tue	273 273 273 00000	MCW	(AB)
M14	18041	17-8	0500	Thu	952 674 674 50 50 == 07958 46539 84155 ... 68945 72563 22803 == 674 674 50 50 00000	CW	(AB-KOR)
M14	18041	18-8	0500	Fri	952 801 801 55 55 == 73091 21935 53056 ... 18252 70519 46110 == 801 801 55 55 00000	CW	(AB-J)
M14	7485	18-8	1700	Fri	382 382 382 00000	MCW	(AB)
M14	6881	18-8	1800	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5430	19-8	0800	Sat	171 825 825 53 53 == 64532 37645 87465 ... 73546 53421 26534 == 825 825 53 53 00000	MCW	(AB- RUS/HFD)
M14	5560	19-8	0900	Sat	171 825 825 53 53 == 64532 37645 87465 ... 73546 53421 26534 == 825 825 53 53 00000	MCW	(AB- RUS/MPJ)
M14	18041	21-8	0500	Mon	952 676 676 50 50 == 93975 59867 84331 ... 03928 94985 60317 == 676 676 50 50 00000	CW	(AB-J)
M14	18041	22-8	0500	Tue	952 148 148 50 50 == 60743 25042 51241 ... 09165 94899 25396 == 148 148 50 50 00000	CW	(AB-J)

M14	6856	22-8	1820	Tue	163 736 30 == 35241 26534 87635 ... 18725 73654 18263 == 736 30 00000	MCW	(MPJ)
M14	18041	23-8	0500	Wed	952 730 730 60 60 == 94918 08541 12795 ... 85529 11486 74637 == 730 730 60 60 00000	CW	(AB-J)
M14	5935	23-8	1920	Wed	417 736 30 == 35241 26534 87635 ... 18625 73654 18263 == 736 30 00000	MCW	(MPJ)
M14	18041	24-8	0500	Thu	952 614 614 50 50 == 38802 74705 35278 ... 79739 60653 73825 == 614 614 50 50 00000	CW	(AB-KOR)
M14	18041	25-8	0500	Fri	952 repeated for 5 minutes then stopped	CW	(AB-KOR)
M14	16347	25-8	0930	Fri	617 617 617 00000	CW	(AB)
M14	5430	26-8	0800	Sat	171 025 025 30 30 34253 75648 07912 ... 25634 75624 70689 025 025 30 30 00000	MCW	(AB-RUS)
M14	5560	26-8	0900	Sat	171 025 025 30 30 34253 75648 07912 ... 25634 75624 70689 025 025 30 30 00000	MCW	(AB-RUS)
M14	7590	27-8	0558	Sun	A3 ---- 237	MCW	(AB)
M14	7590	27-8	0559	Sun	18234 63405 896	MCW	(AB)
M14	7590	27-8	0600	Sun	382 382 382 00000	MCW	(AB)
M14	7590	27-8	0619	Sun	5055 473T2 91535 25443 12T99 19T45 70	MCW	(AB)
M14	8162	27-8	0700	Sun	382 382 382 00000	MCW	(AB)
M14	5240	27-8	2300	Sun	376 025 025 30 30 34253 75648 07912 ... 25634 75624 70689 025 025 30 30 00000	MCW	(AB/ES)
M14	18041	28-8	0500	Mon	952 761 761 50 50 == 19589 60391 90166 ... 37040 33917 72828 == 761 761 50 50 00000	CW	(AB-J)
M14	18041	29-8	0500	Tue	952 804 804 50 50 == 21496 34406 57545 ... 59086 54686 28085 == 804 804 50 50 00000	CW	(AB-J)
M14	18041	30-8	0500	Wed	952 763 763 50 50 == first part unreadable ... 31828 31828 79622 == 763 763 50 50 00000	CW	(AB-KOR)
M14	18041	31-8	0500	Thu	952 181 181 50 50 == 36280 72881 87055 ... 46992 50554 00736 == 181 181 50 50 00000	CW	(AB-KOR)
M21	4791	28-8	1657	Mon	=992000??0?????	CW	(JPL-Sib)
M32	5596	5-8	2000	Sat	DNPL to collective 5EJK: 427 27 5 2300 427 etc	CW	(AnEur)
M32	8511	7-8	0625	Mon	i.p. 9GKY DE KRE3 QSA ? K. ZFQO DE KRE3 QSA ? K. KRE3 DE ZFQO QSA 3 QSA ? K	CW	(JPL-Sib)
M32	5013	9-8	1253	Wed	Russian Mil: B7HI wkg MAQL WAEL 3Y5B Y4YH. Messages separated by channel mark- er S.	CW	(F5JBR)
M32	5596	11-8	1901	Fri	FHQS to 9OKC: 780 27 11 2230 780 = 824 32554 73883 67110 ... 38444 28224 11025	CW	(AnEur)
M32	14108	17-8	0748	Thu	XXX XXX WEGI WEGI 60999 KANOSTEN 7510 8295	CW	(JU)
M32	12832	17-8	0755	Thu	XXX XXX WEGI WEGI 08398 60999 KANO- STEN 7510 8295	CW	(JU)
M32	12832	17-8	0801	Thu	XXX XXX RDL RDL 99704 83403 PEJSOVOR 4086 4462	CW	(JU)
M32	10164	28-8	1657	Mon	RDL RDL RDL 85320 95743 85320 95743 85320 95743 K	CW	(SP1)
M32a	4416	6-8	1820	Sun	VVV RJD99 DE RBC89 QSA ? QTC K	CW	(JPL)
M32a	15586	7-8	2009	Mon	i.p. 59526 66479 51639 52821 6785 .. 76488 380128 07050 = FM RCV K. RCV RPT 435 527 2125 835 K	CW	(GNL)
M32a	15586	14-8	0916	Mon	RCV: Russian Navy Sevastopol xxx xxx rjv rjv 83293 gunnochpor 2619 0072 k	CW	(WP3)
M32a	5210	28-8	1706	Mon	i.p. DE RMYK K. RMYK OK K	CW	(JPL-Sib)
M32a	5467.5	30-8	1809	Wed	i.p. AR RMEZ K. R RMEZ QRU K.	CW	(JPL-NZL)
M32b	8816	7-8	1047	Mon	RJC38 RJF94 DE 10616 QTH 16437 13415 QTR 1042 QBG 7500 QBD 0500 K. QTH 15948 13015 QTR 1152 QBG 7300 QBD 0400 K	CW	(WP3)
M32b	8816	8-8	0722	Tue	RJF94 RJC38 DE 52593 QTO 0712 QRD XUMO	CW	(WP3)

					XLMV QBD 0530 QRE 1115 K. QTH 16552 13352 QTR 0812 QBG 5800 K		
M32c	8895	10-8	1343	Thu	Russian Air Force Tu-95MS Bear H net: KFE4 wkg P98H (QSX 9128 or 6642 kHz)	CW	(F5JBR)
M51a	6825	8-8	1831	Tue	Mixed 5L/FGs ... WBSGZ 37628 87635 ...	CW	(MPJ)
M89	6793	1-8	1055	Tue	V RIS9 DE M8JF //8060 kHz	CW	(EW)
M89	8060	1-8	1055	Tue	V RIS9 DE M8JF //6793 kHz	CW	(EW)
M89	3642	3-8	2327	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	3-8	2327	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6793	3-8	2330	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	3-8	2330	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6053	4-8	0732	Fri	V GJHS (x3) DE 5GFD (x2) Note: // sending different roundslip. //10178	CW	(JPL)
M89	10178	4-8	0732	Fri	V FIK3 (x3) DE H4JH (x2) Note: // sending different roundslip. //6053	CW	(JPL)
M89	6793	4-8	0738	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	4-8	0738	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6742	4-8	0745	Fri	i.p. RPT RPT 1 2 3 QSL T NIL GB SK	CW	(JPL)
M89	9150	4-8	0745	Fri	i.p. 4T75 A3T4 5A73 DA67 7N3A 6A57 ... AR K. R RPT 63W = = TN53 TN53 AR K. NIL SK GB	CW	(JPL)
M89	4860	4-8	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	6840	4-8	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	5801	4-8	1321	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	4-8	1321	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4055	4-8	1325	Fri	HFY7 (x3) DE ORWJ (x2) = CL DE R UDE QSA 2 QSA ? K	CW	(JPL)
M89	4060	4-8	1340	Fri	V GJHS (x3) DE 5GFD (x2) Note: // sending different roundslip. //4609	CW	(JPL)
M89	4609	4-8	1340	Fri	V FIK3 (x3) DE H4JH (x2) Note: // sending different roundslip. //4060	CW	(JPL)
M89	3777	4-8	1343	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	4-8	1343	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4131	4-8	1640	Fri	V JKDJ (x3) DE SLBC (x2) (IP - Cont'd)	CW	(JPL)
M89	4775	4-8	1646	Fri	i.p. U74A NUTD NAD4 67UD 3U45 ... AR K. R U MSG GA K. R GA K	CW	(JPL)
M89	5801	5-8	0655	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	5-8	0655	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6053	5-8	0701	Sat	V GJHS (x3) DE 5GFD (x2) Note: // sending different roundslip. //10178	CW	(JPL)
M89	10178	5-8	0701	Sat	V FIK3 (x3) DE H4JH (x2) Note: // sending different roundslip. //6053	CW	(JPL)
M89	3777	5-8	1208	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	5-8	1208	Sat	V M8JF (x3) DE RIS9 (x2) //3777 (Remote tuner New Zealand)] JPL SAT	CW	(JPL)
M89	4060	5-8	1209	Sat	V GJHS (x3) DE 5GFD (x2) //4609. Note: // sending different roundslip. Both stations in tfc, with both stations sending at different speeds.	CW	(JPL)
M89	4609	5-8	1209	Sat	V FIK3 (x3) DE H4JH (x2) //4060 both stations sending at different speeds. AR MSG NR 020 CK 499 .4 0805 2000 = ATAD D3ND ...	CW	(JPL)
M89	6840	5-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	5-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	8350	5-8	1230	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	5801	5-8	1232	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	5-8	1232	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M89	5287	5-8	1233	Sat	i.p. 7G GA MSG GA MSG GA QSL HR WK NR / 185 EEEE HR WK NR / 17 / K HR WK NR	CW	(JPL)
M89	3642	5-8	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-8	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4112	5-8	1517	Sat	VVV QSA T ? F 27 F 27 VVV QSA T F 27 QSV K. BK VVV VVV MT4T Q. QSA 0 ? 24 FF 24 7VV QSA QSA 0 FF 24 QSV K	CW	(JPL)
M89	5801	6-8	1458	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	6-8	1458	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4894	6-8	1510	Sun	DP91 i.p. QSA 2 U ? = DE DP7491 QSA 2 U ? NP7491 QSA 3 NIL = DP91 NIL	CW	(JPL)
M89	4131	6-8	1536	Sun	V JKD J (x3) DE SLBC (x2) (// N/H) (Remote tuner Siberia)] JPL SUN	CW	(JPL)
M89	4060	6-8	1540	Sun	V FIK3 (x3) DE H4JH (x2) //4609 Note: //sending different roundslip. roundslip have been swapped between //frequencies.	CW	(JPL)
M89	4609	6-8	1540	Sun	V GJHS (x3) DE 5GFD (x2) //4060 Note: //sending different roundslip. roundslip have been swapped between //frequencies.	CW	(JPL)
M89	10180	7-8	0614	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	7-8	0644	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	7-8	0644	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10178	7-8	0646	Mon	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	4060	7-8	1426	Mon	V GJHS (x3) DE 5GFD (x2) //4609	CW	(JPL)
M89	4609	7-8	1426	Mon	V FIK3 (x3) DE H4JH (x2) //4060	CW	(JPL)
M89	3777	7-8	1429	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	7-8	1429	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	10180	8-8	1108	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	10178	8-8	1109	Tue	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	3777	8-8	1111	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	8-8	1111	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	8-8	1111	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	3642	8-8	1429	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	8-8	1429	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4060	8-8	1432	Tue	V GJHS (x3) DE 5GFD (x2) //4609 sending different roundslip	CW	(JPL)
M89	4609	8-8	1432	Tue	V FIK3 (x3) DE H4JH (x2) //4060 sending different roundslip	CW	(JPL)
M89	5189	8-8	1912	Tue	i.p. RMKS Q K. K R GA K (Both stations on this frequency) R 7G 1P = 43DU 6T5D A6U5 (Cont'd)	CW	(JPL)
M89	4860	8-8	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	6840	8-8	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4860	CW	(JPL)
M89	6793	9-8	0819	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	9-8	0819	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	9-8	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	9-8	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	6053	9-8	0826	Wed	V GJHS (x3) DE 5GFD (x2) //10178 Note: // sending different roundslip	CW	(JPL)
M89	10178	9-8	0826	Wed	V FIK3 (x3) DE H4JH (x2)	CW	(JPL)
M89	3642	9-8	1511	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	9-8	1511	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	9-8	1514	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	9-8	1514	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4609	9-8	1514	Wed	V FIK3 (x3) DE H4JH (x2) //6053 Note: //sending different roundslip	CW	(JPL)

M89	4060	9-8	1517	Wed	V GJHS (x3) DE 5GFD (x2) //4609 Note: //sending different roundslip	CW	(JPL)
M89	4860	9-8	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	6840	9-8	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	4240	9-8	1739	Wed	i.p. QSL 0139 K. R R	CW	(JPL)
M89	4994	13-8	0826	Sun	i.p. D6A4 46N4 3D75 T73T 56TA ... III 2P = 4A63 A647 4567 7UT7 4ADT ...	CW	(JPL)
M89	6786	13-8	0826	Sun	i.p. 5D76 T6U3 45UD 764N 36TN ... AR AR K. R OK I S RPT K. R	CW	(JPL)
M89	7620	13-8	0830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //8350	CW	(JPL)
M89	8350	13-8	0830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //7620	CW	(JPL)
M89	10180	13-8	0835	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	13-8	0837	Sun	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	6793	13-8	0838	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	13-8	0838	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	13-8	1240	Sun	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	6793	13-8	1240	Sun	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	6053	13-8	1244	Sun	V GJHS (x3) DE 5GFD (x2)	CW	(JPL)
M89	5801	13-8	1245	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	13-8	1245	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4532	13-8	1249	Sun	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	4131	13-8	1303	Sun	V JKD (x3) DE SLBC (x2)	CW	(JPL)
M89	4375	13-8	1320	Sun	VVV 7GI (x3) DE T3B (x2) QTC 10 20 = = 91265 07695 92008 03031 41928 68769 04905 70020 ...	CW	(JPL)
M89	4616	13-8	1340	Sun	VVV CQ (x3) DE BIJ (x2) K K K	CW	(JPL)
M89	4733	13-8	1346	Sun	i.p. 634D 63UT NTD5 UTD5 5UD4	CW	(JPL)
M89	5231	13-8	1351	Sun	i.p. DKYU HITJ EKOJ P.JC EHIF CKOG ASKL CIOF ... AR	CW	(JPL)
M89	3642	13-8	1401	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	13-8	1401	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4616	13-8	1405	Sun	VVV CQ (x3) DE BI2 (x2)QRU K (1406z)	CW	(JPL)
M89	3471	13-8	1700	Sun	i.p. FF NR 101/EX 083. = ..T5/CB 5 AR AR AR AR = F4	CW	(JPL)
M89	3519	13-8	1700	Sun	i.p. R QSA2 HR WK NR 0120 020 K. R HR WK NR 020 020 K	CW	(JPL)
M89	3625	13-8	1700	Sun	i.p. FFF NR 1001 /EX = 0113 = C3W./G7J2 AR FFF NR 1002/EX 0113 = .3W5/G7J2 AR	CW	(JPL)
M89	4060	13-8	1719	Sun	V GJHS (x3) DE 5GFD (x2) //4609 Note: // sending different roundslip	CW	(JPL)
M89	4609	13-8	1719	Sun	V FIK3 (x3) DE H4JH (x2) //4060 Note: // sending different roundslip	CW	(JPL)
M89	4620	13-8	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4860 and 6840	CW	(JPL)
M89	4860	13-8	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 6840	CW	(JPL)
M89	6840	13-8	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 4860	CW	(JPL)
M89	4620	13-8	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4860 and 6840	CW	(JPL)
M89	4860	13-8	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 6840	CW	(JPL)
M89	6840	13-8	1920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //4620 and 4860	CW	(JPL)
M89	4720	13-8	1930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //5150	CW	(JPL)

M89	5150	13-8	1930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //4720	CW	(JPL)
M89	4131	13-8	1939	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6840	13-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	13-8	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	6793	14-8	0719	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	14-8	0719	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	14-8	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	14-8	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	4609	14-8	0726	Mon	V FIK3 (x3) DE H4JH (x2) //4060 Note: // sending different roundslip	CW	(JPL)
M89	6053	14-8	0726	Mon	V GJHS (x3) DE 5GFD (x2) //10178 Note: // sending different roundslip	CW	(JPL)
M89	10178	14-8	0726	Mon	V FIK3 (x3) DE H4JH (x2) //6053 Note: // sending different roundslip	CW	(JPL)
M89	8428	14-8	0758	Mon	i.p. D3363 7AA4T T3UUU UTD7T A7D35 D3A57 ... AR DE DE B.5W VA DE 7INW	CW	(JPL)
M89	6840	14-8	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	14-8	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	5801	14-8	1124	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	14-8	1124	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	4060	14-8	1126	Mon	V GJHS (x3) DE 5GFD (x2) //4609 Note: // sending different roundslip.	CW	(JPL)
M89	3777	14-8	1129	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	14-8	1129	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	7620	14-8	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //8350	CW	(JPL)
M89	8350	14-8	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //7620	CW	(JPL)
M89	4261	14-8	1143	Mon	i.p. 5D7A A77U T446 3A57 4T3A ...	CW	(JPL)
M89	4356	14-8	1145	Mon	i.p. VVV CQ DE AOZ QTC 98 TO T = 4977 54A3 QTC CQ DE AOZ QTC (see N&O 239)	CW	(JPL)
M89	6793	15-8	0857	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	15-8	0857	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6053	15-8	0901	Tue	V GJHS (x3) DE 5GFD (x2) //10178 sending different roundslip	CW	(JPL)
M89	10178	15-8	0901	Tue	V FIK3 (x3) DE H4JH (x2) //6053 sending different roundslip	CW	(JPL)
M89	4060	15-8	1539	Tue	V GJHS (x3) DE 5GFD (x2) //4609 sending different roundslip	CW	(JPL)
M89	4609	15-8	1539	Tue	V FIK3 (x3) DE H4JH (x2) //4060 sending different roundslip	CW	(JPL)
M89	3777	15-8	1541	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-8	1541	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	15-8	1542	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	15-8	1542	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5177	15-8	1552	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	27-8	1126	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	27-8	1126	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5177	27-8	1128	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3777	27-8	1158	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	27-8	1158	Sun	V M8JF (x3) DE RIS9 (x2) //377	CW	(JPL)
M89	4060	27-8	1454	Sun	V GJHS (x3) DE 5GFD (x2) //4609 sending different roundslip	CW	(JPL)

M89	4609	27-8	1454	Sun	V FIK3 (x3) DE H4JH (x2) //4060 ending different roundslip	CW	(JPL)
M89	4628	27-8	1457	Sun	XSV Tianjin Radio i.p., sending the same kind of message as M89: VVV QSV QSV QSV QTC QTC NR 701 80 71 0827 2110 72 =	CW	(JPL)
M89	4131	27-8	2131	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	27-8	2132	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6053	29-8	0624	Tue	V GJHS (x3) DE 5GFD (x2) //10178 sending different roundslip	CW	(JPL)
M89	10178	29-8	0624	Tue	V FIK3 (x3) DE H4JH (x2) //6053 sending different roundslip	CW	(JPL)
M89	6793	29-8	0626	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	29-8	0626	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10180	29-8	0628	Tue	3A7D i.p. A HR SVC GA NR 155143 TO 4306 TO 4446 = CL. 1500/	CW	(JPL)
M89	3777	29-8	1039	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	29-8	1039	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	29-8	1039	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	10180	29-8	1044	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3642	29-8	1657	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	29-8	1657	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	29-8	1659	Tue	V JKDJ (x3) DE SLBC (x2) //5135 Note: Both 4131 and 5135 silent at 1700z	CW	(JPL)
M89	5135	29-8	1659	Tue	V JKDJ (x3) DE SLBC (x2) //4131 Note: Both 4131 and 5135 silent at 1700z	CW	(JPL)
M89	5285	29-8	1707	Tue	HD4C DE XR4H N3T4 3D3T T37. 4NA3 76N4 AR QSL ? K. RPT ... K	CW	(JPL)
M89	10180	30-8	0640	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	30-8	0735	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	30-8	0735	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6053	30-8	0736	Wed	V GJHS (x3) DE 5GFD (x2) //10178 sending different roundslip	CW	(JPL)
M89	10178	30-8	0736	Wed	V FIK3 (x3) DE H4JH (x2) //6053 sending different roundslip	CW	(JPL)
M89	10180	30-8	1055	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4532	30-8	1059	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	5708	30-8	1106	Wed	i.p. 7QH/E6W AR = E7QH/E6WV AR K. R QSL 1904 K. R OK R HR F GA K etc	CW	(JPL)
M89	5800	30-8	1115	Wed	i.p. ZAXF GHOP BYUK CESN ZMDEC WRIA BXEF OGLS NPTH ... AD6U NT5A 6TA. D4N3 5D43 (Switched to cut numbers)	CW	(JPL)
M89	3642	30-8	1510	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	30-8	1510	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6053	31-8	0006	Thu	V GJHS (x3) DE 5GFD (x2) //10178 sending different roundslip	CW	(JPL)
M89	10178	31-8	0006	Thu	V FIK3 (x3) DE H4JH (x2) //6053 sending different roundslip	CW	(JPL)
M89	6793	31-8	0007	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	31-8	0007	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3642	31-8	0012	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	31-8	0012	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5135	31-8	0014	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10180	31-8	0616	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	8350	31-8	1033	Thu	V WNF(x3) DE FXM (x2) FI 2613 2613 6NP 6NP R1 R1 PKT PKT CDV CDV AR K	CW	(JPL)
M89	3777	31-8	1049	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 6793 and 8060	CW	(JPL)
M89	4532	31-8	1049	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 6793 and 8060	CW	(JPL)
M89	6793	31-8	1049	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)

					and 8060		
M89	8060	31-8	1049	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532 and 6793	CW	(JPL)
M89	5566	31-8	1053	Thu	i.p. D33U 3TN5 4NAU N4N5 AUAD ... II = 4T35 D5N5 D57A NU47 ... AR	CW	(JPL)
M89	6840	31-8	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //10640	CW	(JPL)
M89	10640	31-8	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) (Machine sent) //6840	CW	(JPL)
M89	7620	31-8	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //8350	CW	(JPL)
M89	8350	31-8	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) //7620	CW	(JPL)
M95	9054	3-8	2345	Thu	VV HR 7G TO YR PSE CY NR 085 CK 2. 35 0804 0620 = UT5 TT4 3U4 3A4 TTA TTU TT3 ...	CW	(JPL-CHN)
M95	4397	5-8	1243	Sat	i.p. 05 05 05 = A43AA567U55 05 05 05 95 95 43.N. 5D55. 5	CW	(JPL-NZL)
M95	4283	17-8	0922	Thu	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR PSE CPY NR 718 CK 98 35 0815 1540 ... //7553 kHz	CW	(JPL-KOR)
M95	7553	17-8	0922	Thu	BNEC (x3) DE XSV70 (x2) V HR MSG TO YR PSE CPY NR 718 CK 98 35 0815 1540 ... //4283 kHz	CW	(JPL-KOR)
M95	8073	27-8	1140	Sun	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0738 CK 151 35 0827 1547 = TU7 3U6 3AN 3U7 ...	CW	(JPL-NZL)
M95	4243	27-8	1146	Sun	VV A HR 7G GA HR 7G TO YR PSE CY NR 002 CK 31 35 0827 1438 = 5TD UTT TU7 3U6 3A4 ... //9054 kHz	CW	(JPL-NZL)
M95	9054	27-8	1146	Sun	VV A HR 7G GA HR 7G TO YR PSE CY NR 002 CK 31 35 0827 1438 = 5TD UTT TU7 3U6 3A4 ... //4243 kHz	CW	(JPL-NZL)
M95	4364	31-8	1140	Thu	V BNGC (x3) DE XSV85 (x2) VV HR MSGS GA NR 0752 CK 41 35 0831 1614 = N5U T3A N53 TAD N54 ... //8073 kHz	CW	(JPL-NZL)
M95	8073	31-8	1140	Thu	V BNGC (x3) DE XSV85 (x2) VV HR MSGS GA NR 0752 CK 41 35 0831 1614 = N5U T3A N53 TAD N54 ... //4364 kHz	CW	(JPL-NZL)
M95	4243	31-8	1145	Thu	VV HR 7G TO YR PSE CY NR 010 CK 19 35 0831 1452 = 5TD UTT T3A 3U6 3A4 ... //9054 kHz	CW	(JPL-NZL)
M95	9054	31-8	1145	Thu	VV HR 7G TO YR PSE CY NR 010 CK 19 35 0831 1452 = 5TD UTT T3A 3U6 3A4 ... //4243 kHz	CW	(JPL-NZL)
MX	5094	5-8	1857	Sat	Beacon V	CW	(ES)
MX	4150	5-8	1900	Sat	Beacon V	CW	(ES)
MX	9442	7-8	1002	Mon	Beacon P, Kaliningrad	CW	(ES)
MX	16332.2	16-8	0559	Wed	Beacon F, Vladivostok	CW	(AB-J)
MX	16332.4	16-8	0559	Wed	Beacon M, Magadan	CW	(AB-J)
MX	13528.2	16-8	0609	Wed	Beacon F, Vladivostok	CW	(AB-J)
MX	13528.4	16-8	0609	Wed	Beacon M, Magadan	CW	(AB-J)
MX	5154	18-8	1656	Fri	Beacon C, Moscow	CW	(MPJ)
MX	5153.7	18-8	1955	Fri	Beacon D, Sevastopol	CW	(MPJ)
MX	4042	30-8	1445	Wed	Beacon P, Kaliningrad	CW	(ES-POL)
Q26	9054	3-8	2343	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-CHN)
Q26	4283	13-8	1310	Sun	Messages //7553 kHz	4+4 QPSK 75/3000 LSB	(JPL-CHN)
Q26	7553	13-8	1310	Sun	Messages //4283 kHz	4+4 QPSK 75/3000 LSB	(JPL-CHN)
Q26	4283	17-8	0905	Thu	Messages //7553 kHz	4+4 QPSK 75/3000 LSB	(JPL-KOR)
Q26	7553	17-8	0905	Thu	Messages //4283 kHz	4+4 QPSK 75/3000 LSB	(JPL-KOR)
Q26	8073	27-8	1131	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-NZL)

Q26	4243	27-8	1144	Sun	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	9054	27-8	1144	Sun	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	4364	31-8	1133	Thu	Messages //8073 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	8073	31-8	1133	Thu	Messages //4364 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	4243	31-8	1144	Thu	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	9054	31-8	1144	Thu	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-NZL)
RAv	6685	1-8	1823	Tue	Magnetron wkg unid acft saying he will relay flt info to Proselok. Then Magnetron calling Proselok	USB	(RP-MD)
RAv	6685	1-8	1854	Tue	82035 (Russian AF AN-124) USB calg Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov)	USB	(RP-MD)
RNAv	11360	7-8	1132	Mon	Korsar w/82038 (Russian AF AN-124) reporting 1 hr into flt w/27 tons fuel & ops normal	USB	(RP-HNG)
RNAv	11360	7-8	1308	Mon	Korsar w/78811(IL-76MD) rreporting departure from (missed) w/40 tons fuel & next is Prirodnii (Russian AB, Butulirovka)	USB	(RP-HNG)
RNAv	11360	7-8	1316	Mon	Korsar w/76702(IL-76MD) reporting departure from Kanatniy (Russian AB, Ivanovo-North) at 1700 MSK w/40 tons fuel & next is Tver	USB	(RP-HNG)
RNv	8439	22-8	0656	Tue	Chinara (Russian Pacific Fleet Naval Base, Sovetskaya Gavan) R/Cs w/Bashinya (Pacific Fleet entity) the Chinara tells Bashniya to go to 155 for work	USB	(RP-MD)
RNv	8439	22-8	0737	Tue	Greyder (Russian Pacific Fleet HQs, Vladivostok) R/Cs w/unid stn (call missed)	USB	(RP-MD)
RNv	8439	22-8	2351	Tue	Greyder R/Cs w/Sirena (unid Pacific Fleet entity)	USB	(RP)
RNv	8439	23-8	0019	Wed	Greyder (Russian Pacific Fleet HQs, Vladivostok) w/Bagranets (unid Pacific Fleet entity).	USB	(RP-MD)
RNv	8439	23-8	0116	Wed	Greyder R/Cs w/Avral (unid Pacific Fleet entity)	USB	(RP-MD)
S06	16327	3-8	0830	Thu	842 517 34 11084 62145 03179 ... 20848 88284 04813 517 34 00000	USB	(AB/HFD)
S06	13875	3-8	0930	Thu	842 517 34 11084 62145 03179 ... 20848 88284 04813 517 34 00000	USB	(AB/HFD)
S06	9948	4-8	1900	Fri	514 514 514 00000	USB	(AB/HFD)
S06	7951	4-8	2000	Fri	514 514 514 00000	USB	(AB/HFD)
S06	6801	5-8	1900	Sat	913 913 913 00000	USB	(AB/ES)
S06	5931	5-8	2000	Sat	913 913 913 00000	USB	(AB)
S06	13875	11-8	0930	Fri	842 690 35 42593 09736 88846 ... 69948 61295 35417 690 35 00000	USB	(AB-J)
S06	16237	18-8	0830	Fri	842 157 36 40848 00195 58396 ... 54214 86737 82391 157 36 00000	USB	(AB-KOR)
S06	13875	18-8	0930	Fri	842 157 36 40848 00195 58396 ... 54214 86737 82391 157 36 00000	USB	(AB-KOR)
S06	9943	18-8	1900	Fri	514 514 514 00000	USB	(AB)
S06	7951	18-8	2000	Fri	514 514 514 00000	USB	(AB)
S06	6801	19-8	1900	Sat	913 913 913 00000	USB	(AB)
S06	6801	19-8	1900	Sat	913 0	USB	(HFD)
S06	5931	19-8	2000	Sat	913 913 913 00000	USB	(AB)
S06	16237	25-8	0830	Fri	842 960 37 67640 08652 85391 ... 90516 07915 72302 960 37 00000	USB	(AB-Sib)
S06	13875	25-8	0930	Fri	842 960 37 67640 08652 85391 ... 90516 07915 72302 960 37 00000	USB	(AB-Sib)
S06	10755	30-8	0920	Wed	975 584 10 55185 79781 17348 35300 68960 58344 19373 56774 54314 28294 584 10 00000	USB	(ES)
S06	10755	30-8	0933	Wed	975 97 875 13468 (R3)	USB	(ES)

S06	16327	31-8	0830	Thu	842 175 38 08416 14667 97445 ... 96859 10904 93034 175 38 00000	USB	(AB-J)
S06	13875	31-8	0930	Thu	842 175 38 08416 14667 97445 ... 96859 10904 93034 175 38 00000	USB	(AB-PHL)
S06c	5412	15-8	1102	Tue	i.p. 11021	USB	(ES)
S06s	15945	1-8	0600	Tue	438 267 5 39685 30485 96632 52537 53317 267 5 00000	USB	(AB/ES)
S06s	16945	1-8	0610	Tue	438 267 5 39685 30485 96632 52537 53317 267 5 00000	USB	(AB)
S06s	5430	1-8	0700	Tue	374 829 5 98003 68909 45279 43828 55581 829 5 00000	USB	(AB-AUT)
S06s	6780	1-8	0715	Tue	374 829 5 98003 68909 45279 43828 55581 829 5 00000	USB	(AB-AUT)
S06s	7365	1-8	0730	Tue	427 809 5 10544 98003 68909 45279 43828 809 5 00000	USB	(AB)
S06s	11655	1-8	0740	Tue	427 809 5 10544 98003 68909 45279 43828 809 5 00000	USB	(AB)
S06s	14373	1-8	0800	Tue	352 816 7 60583 54545 50128 99477 83574 48874 94031 816 7 00000	USB	(AB/ES)
S06s	12935	1-8	0810	Tue	352 816 7 60583 54545 50128 99477 83574 48874 94031 816 7 00000	USB	(AB)
S06s	4820	1-8	1000	Tue	893 402 5 48115 24151 51802 23807 15521 402 5 00000	USB	(AB-AUT/MPJ/ES)
S06s	5660	1-8	1010	Tue	893 402 5 48115 24151 51802 23807 15521 402 5 00000	USB	(AB-AUT/MPJ)
S06s	6810	1-8	1100	Tue	754 291 6 88554 82045 36717 24042 75936 31670 291 6 00000	USB	(AB-AUT/MPJ/ES)
S06s	7560	1-8	1110	Tue	754 291 6 88554 82045 36717 24042 75936 31670 291 6 00000	USB	(AB-AUT/MPJ/ES)
S06s	6766	1-8	1500	Tue	537 249 6 30485 96632 52537 53317 06675 41736 249 6 00000	USB	(AB-AUT/MPJ)
S06s	7744	1-8	1510	Tue	537 249 6 30485 96632 52537 53317 06675 41736 249 6 00000	USB	(AB-AUT/MPJ)
S06s	12110	2-8	0730	Wed	745 901 6 88620 58069 61732 74337 57440 10597 901 6 00000	USB	(AB)
S06s	14977	2-8	0740	Wed	745 901 6 88620 58069 61732 74337 57440 10597 901 6 00000	USB	(AB)
S06s	9485	2-8	0820	Wed	471 203 5 48115 24151 51802 23807 15521 203 5 00000	USB	(AB)
S06s	11085	2-8	0830	Wed	471 203 5 48115 24151 51802 23807 15521 203 5 00000	USB	(AB)
S06s	11656	2-8	0830	Wed	464 902 5 42613 94529 64834 32012 42915 902 5 00000	USB	(AB)
S06s	12560	2-8	0840	Wed	464 902 5 42613 94529 64834 32012 42915 902 5 00000	USB	(AB/MPJ)
S06s	14580	2-8	1000	Wed	729 864 5 01405 15003 83574 48874 94031 864 5 00000	S06s	(AB/FT/MPJ)
S06s	16020	2-8	1010	Wed	729 864 5 01405 15003 83574 48874 94031 864 5 00000	S06s	(AB/FT/MPJ/ ES)
S06s	9255	3-8	0930	Thu	314 965 7 52401 63919 92699 14600 74248 48754 10597 965 7 00000	USB	(AB)
S06s	10325	3-8	0940	Thu	314 965 7 52401 63919 92699 14600 74248 48754 10597 965 7 00000	USB	(AB)
S06s	13145	3-8	1200	Thu	425 986 7 40614 77249 40678 17976 21816 42997 94184 986 7 00000	USB	(AB/MPJ/ES)
S06s	14535	3-8	1210	Thu	425 986 7 40614 77249 40678 17976 21816 42997 94184 986 7 00000	USB	(AB/MPJ)

S06s	6844	4-8	0900	Fri	624 915 7 69901 92883 47660 23521 79501 04457 73547 915 7 00000	USB	(AB/MPJ)
S06s	7161	4-8	0910	Fri	624 915 7 69901 92883 47660 23521 79501 04457 73547 915 7 00000	USB	(AB/MPJ/ES)
S06s	10290	4-8	0930	Fri	516 907 8 11394 30307 31450 38153 39650 84498 48832 94372 907 8 00000	USB	(AB/MPJ)
S06s	9655	4-8	0940	Fri	516 907 8 11394 30307 31450 38153 39650 84498 48832 94372 907 8 00000	USB	(AB/MPJ)
S06s	12460	5-8	0800	Sat	254 803 6 34031 33430 37536 34906 39698 35454 803 6 00000	USB	(AB/ES)
S06s	10250	5-8	0810	Sat	254 803 6 34031 33430 37536 34906 39698 35454 803 6 00000	USB	(AB)
S06s	16320	6-8	0630	Sun	524 938 6 63823 42612 84259 42612 05634 63428 938 6 00000	USB	(AB)
S06s	14875	6-8	0640	Sun	524 938 6 63823 42612 84259 42612 05634 63428 938 6 00000	USB	(AB)
S06s	8221	7-8	0830	Mon	371 265 8 36628 32225 30867 49980 48995 40333 43389 30419 265 8 00000	USB	(AB)
S06s	9353	7-8	0840	Mon	371 265 8 36628 32225 30867 49980 48995 40333 43389 30419 265 8 00000	USB	(AB)
S06s	16380	7-8	0900	Mon	872 510 6 82333 36958 39423 48076 37018 42300 510 6 00000	USB	(AB)
S06s	14835	7-8	0910	Mon	872 510 6 82333 36958 39423 48076 37018 42300 510 6 00000	USB	(AB/MPJ)
S06s	10230	7-8	1200	Mon	831 297 5 11394 30307 31450 38153 39650 297 5 00000	USB	(MPJ/ES)
S06s	12165	7-8	1210	Mon	831 297 5 11394 30307 31450 38153 39650 297 5 00000	USB	(MPJ)
S06s	15945	8-8	0600	Tue	438 267 5 39685 30485 96632 52537 53317 267 5 00000	USB	(AB)
S06s	16945	8-8	0610	Tue	438 267 5 39685 30485 96632 52537 53317 267 5 00000	USB	(AB)
S06s	5430	8-8	0700	Tue	374 829 5 98003 68909 45279 43828 55581 829 5 00000	USB	(AB-HNG)
S06s	6780	8-8	0715	Tue	374 829 5 98003 68909 45279 43828 55581 829 5 00000	USB	(AB-HNG)
S06s	7365	8-8	0730	Tue	427 809 5 10544 98003 68909 45279 43828 809 5 00000	USB	(AB)
S06s	11655	8-8	0740	Tue	427 809 5 10544 98003 68909 45279 43828 809 5 00000	USB	(AB)
S06s	14373	8-8	0800	Tue	352 816 7 60583 54545 50128 99477 83574 48874 94031 816 7 00000	USB	(AB)
S06s	12935	8-8	0810	Tue	352 816 7 60583 54545 50128 99477 83574 48874 94031 816 7 00000	USB	(AB)
S06s	4820	8-8	1000	Tue	893 402 5 48115 24151 51802 23807 15521 402 5 00000	USB	(AB-AUT/MPJ)
S06s	5660	8-8	1010	Tue	893 402 5 48115 24151 51802 23807 15521 402 5 00000	USB	(AB-AUT/ES)
S06s	6810	8-8	1100	Tue	754 291 6 88554 82045 36717 24042 75936 31670 291 6 00000	USB	(AB-UKR)
S06s	7560	8-8	1110	Tue	754 291 6 88554 82045 36717 24042 75936 31670 291 6 00000	USB	(AB-UKR/MPJ)
S06s	6766	8-8	1500	Tue	537 249 6 30485 96632 52537 53317 06675 41736 249 6 00000	USB	(AB-AUT)
S06s	7744	8-8	1510	Tue	537 249 6 30485 96632 52537 53317 06675 41736 249 6 00000	USB	(AB-AUT/MPJ)
S06s	12110	9-8	0730	Wed	745 901 6 88620 58069 61732 74337 57440 10597 901 6 00000	USB	(AB)
S06s	14977	9-8	0740	Wed	745 901 6 88620 58069 61732 74337 57440 10597 901 6 00000	USB	(AB)

S06s	9485	9-8	0820	Wed	471 203 5 48115 24151 51802 23807 15521 203 5 00000	USB	(AB)
S06s	11085	9-8	0830	Wed	471 203 5 48115 24151 51802 23807 15521 203 5 00000	USB	(AB)
S06s	11656	9-8	0830	Wed	464 902 5 42613 94529 64834 32012 42915 902 5 00000	USB	(AB)
S06s	12560	9-8	0840	Wed	464 902 5 42613 94529 64834 32012 42915 902 5 00000	USB	(AB)
S06s	14580	9-8	1000	Wed	729 864 5 01405 15003 83574 48874 94031 864 5 00000	S06s	(AB/MPJ/ES)
S06s	16020	9-8	1010	Wed	729 864 5 01405 15003 83574 48874 94031 864 5 00000	S06s	(AB/MPJ)
S06s	9255	10-8	0930	Thu	314 965 7 52401 63919 92699 14600 74248 48754 10597 965 7 00000	USB	(AB/ES)
S06s	10325	10-8	0940	Thu	314 965 7 52401 63919 92699 14600 74248 48754 10597 965 7 00000	USB	(AB)
S06s	13145	10-8	1200	Thu	425 986 7 40614 77249 40678 17976 21816 42997 94184 986 7 00000	USB	(AB/ES)
S06s	14535	10-8	1210	Thu	425 986 7 40614 77249 40678 17976 21816 42997 94184 986 7 00000	USB	(AB)
S06s	6844	11-8	0900	Fri	624 915 7 69901 92883 47660 23521 79501 04457 73547 915 7 00000	USB	(AB-AUT)
S06s	7161	11-8	0910	Fri	624 915 7 69901 92883 47660 23521 79501 04457 73547 915 7 00000	USB	(AB-AUT)
S06s	10290	11-8	0930	Fri	516 907 8 11394 30307 31450 38153 39650 84498 48832 94372 907 8 00000	USB	(AB)
S06s	9655	11-8	0940	Fri	516 907 8 11394 30307 31450 38153 39650 84498 48832 94372 907 8 00000	USB	(AB/ES)
S06s	16320	13-8	0630	Sun	524 938 6 63823 42612 84259 42612 05634 63428 938 6 00000	USB	(AB)
S06s	14875	13-8	0640	Sun	524 938 6 63823 42612 84259 42612 05634 63428 938 6 00000	USB	(AB)
S06s	8221	14-8	0830	Mon	371 265 8 36628 32225 30867 49980 48995 40333 43389 30419 265 8 00000	USB	(AB)
S06s	9357	14-8	0840	Mon	371 265 8 36628 32225 30867 49980 48995 40333 43389 30419 265 8 00000 Wrong freq, should be on 9353 kHz	USB	(AB)
S06s	16380	14-8	0900	Mon	872 510 6 82333 36958 39423 48076 37018 42300 510 6 00000	USB	(AB/ES)
S06s	14835	14-8	0910	Mon	872 510 6 82333 36958 39423 48076 37018 42300 510 6 00000	USB	(AB)
S06s	10230	14-8	1200	Mon	831 297 5 11394 30307 31450 38153 39650 297 5 00000	USB	(AB)
S06s	12165	14-8	1210	Mon	831 297 5 11394 30307 31450 38153 39650 297 5 00000	USB	(AB)
S06s	15945	15-8	0600	Tue	438 927 5 25173 03528 51285 36295 21834 927 5 00000	USB	(AB)
S06s	16945	15-8	0610	Tue	438 927 5 25173 03528 51285 36295 21834 927 5 00000	USB	(AB/ADS/ES)
S06s	5430	15-8	0700	Tue	374 205 6 24317 68577 86237 76652 18206 83390 205 6 00000	USB	(AB-HNG)
S06s	6780	15-8	0715	Tue	374 205 6 24317 68577 86237 76652 18206 83390 205 6 00000	USB	(AB-HNG)
S06s	7365	15-8	0730	Tue	427 910 5 98539 43324 98306 33149 07660 910 5 00000	USB	(AB)
S06s	11655	15-8	0740	Tue	427 910 5 98539 43324 98306 33149 07660 910 5 00000	USB	(AB)
S06s	14373	15-8	0800	Tue	352 961 7 79961 04322 16527 39305 17303 80333 81227 961 7 00000	USB	(AB)
S06s	12935	15-8	0810	Tue	352 961 7 79961 04322 16527 39305 17303	USB	(AB/ES)

					80333 81227 961 7 00000			
S06s	4820	15-8	1000	Tue	893 407 5 88620 58069 61732 74537 57440 407 5 00000	USB		(AB- HNG/MPJ)
S06s	5660	15-8	1010	Tue	893 407 5 88620 58069 61732 74537 57440 407 5 00000	USB		(AB- HNG/MPJ)
S06s	6810	15-8	1100	Tue	754 803 6 21767 53672 11834 81022 36903 41412 803 6 00000	USB		(AB- HNG/MPJ)
S06s	7560	15-8	1110	Tue	754 803 6 21767 53672 11834 81022 36903 41412 803 6 00000	USB		(AB- HNG/MPJ)
S06s	6766	15-8	1500	Tue	537 296 8 46062 68672 97478 39685 30485 96632 25537 53317 296 8 00000	USB		(AB- AUT/MPJ)
S06s	7744	15-8	1510	Tue	537 296 8 46062 68672 97478 39685 30485 96632 25537 53317 296 8 00000	USB		(AB- AUT/MPJ)
S06s	12110	16-8	0730	Wed	745 296 8 37391 37446 86525 89203 33244 39054 35843 37633 296 8 00000	USB		(AB/LA6LU)
S06s	14977	16-8	0740	Wed	745 296 8 37391 37446 86525 89203 33244 39054 35843 37633 296 8 00000	USB		(AB)
S06s	9485	16-8	0820	Wed	471 835 6 36420 34433 36148 46198 42149 36914 835 6 00000	USB		(AB)
S06s	11085	16-8	0830	Wed	471 835 6 36420 34433 36148 46198 42149 36914 835 6 00000	USB		(AB)
S06s	11565	16-8	0830	Wed	464 253 7 40639 33180 48007 37240 46446 43475 35453 253 7 00000	USB		(AB/LA6LU)
S06s	12560	16-8	0840	Wed	464 253 7 40639 33180 48007 37240 46446 43475 35453 253 7 00000	USB		(AB/LA6LU)
S06s	14580	16-8	1000	Wed	729 418 5 95384 41014 86760 83659 48190 418 5 00000	S06s		(MPJ)
S06s	16020	16-8	1010	Wed	729 418 5 95384 41014 86760 83659 48190 418 5 00000	S06s		(MPJ)
S06s	9255	17-8	0930	Thu	314 850 6 82333 36958 39423 48076 33739 33384 850 6 00000	USB		(AB)
S06s	10325	17-8	0940	Thu	314 850 6 82333 36958 39423 48076 33739 33384 850 6 00000	USB		(AB)
S06s	13145	17-8	1200	Thu	425 803 5 37016 34984 44220 84912 41866 83461 803 6 00000	USB		(AB/MPJ)
S06s	14535	17-8	1210	Thu	425 803 5 37016 34984 44220 84912 41866 83461 803 6 00000	USB		(AB/MPJ)
S06s	6844	18-8	0900	Fri	624 807 5 48436 81480 47332 34067 94372 807 5 00000	USB		(AB/MPJ)
S06s	7161	18-8	0910	Fri	624 807 5 48436 81480 47332 34067 94372 807 5 00000	USB		(AB/MPJ)
S06s	10290	18-8	0930	Fri	516 843 7 73142 63829 01326 62318 52331 74537 92310 843 7 00000	USB		(AB/MPJ)
S06s	9655	18-8	0940	Fri	516 843 7 73142 63829 01326 62318 52331 74537 92310 843 7 00000	USB		(AB/MPJ)
S06s	16320	20-8	0630	Sun	524 819 7 29427 70076 15802 97314 69816 29257 91670 819 7 00000	AM		(AB)
S06s	14875	20-8	0640	Sun	524 819 7 29427 70076 15802 97314 69816 29257 91670 819 7 00000	AM		(AB)
S06s	8221	21-8	0830	Mon	371 450 6 10107 60562 48015 36417 12362 84620 450 6 00000	USB		(AB)
S06s	9357	21-8	0840	Mon	371 450 6 10107 60562 48015 36417 12362 84620 450 6 00000	USB		(AB)
S06s	16380	21-8	0900	Mon	872 935 6 32324 34896 83738 36375 35685 65850 935 6 00000	USB		(AB)
S06s	14835	21-8	0910	Mon	872 935 6 32324 34896 83738 36375 35685 65850 935 6 00000	USB		(AB/MPJ)
S06s	10230	21-8	1200	Mon	831 274 5 19152 23063 36924 98924 08973 274 5 00000	USB		(AB/MPJ)
S06s	12165	21-8	1210	Mon	831 274 5 19152 23063 36924 98924 08973	USB		(AB/MPJ)

					274 5 00000				
S06s	15945	22-8	0600	Tue	438 927 5 25173 03528 51285 36295 21834 927 5 00000	USB		(AB)	
S06s	16945	22-8	0610	Tue	438 927 5 25173 03528 51285 36295 21834 927 5 00000	USB		(AB)	
S06s	5430	22-8	0700	Tue	374 205 6 24317 68577 86237 76652 18206 83390 205 6 00000	USB		(AB)	
S06s	6780	22-8	0715	Tue	374 205 6 24317 68577 86237 76652 18206 83390 205 6 00000	USB		(AB)	
S06s	7365	22-8	0730	Tue	427 910 5 98539 43324 98306 33149 07660 910 5 00000	USB		(AB)	
S06s	11655	22-8	0740	Tue	427 910 5 98539 43324 98306 33149 07660 910 5 00000	USB		(AB)	
S06s	4820	22-8	1000	Tue	893 407 5 88620 58069 61732 74537 57440 407 5 00000	USB		(MPJ)	
S06s	5660	22-8	1010	Tue	893 407 5 88620 58069 61732 74537 57440 407 5 00000	USB		(MPJ)	
S06s	6810	22-8	1100	Tue	754 803 6 21767 53672 11834 81022 36903 41412 803 6 00000	USB		(AB-S/MPJ-AUT)	
S06s	7560	22-8	1110	Tue	754 803 6 21767 53672 11834 81022 36903 41412 803 6 00000	USB		(AB-S/MPJ-AUT)	
S06s	6766	22-8	1500	Tue	537 296 8 46062 68672 97478 39685 30485 96632 25537 53317 296 8 00000	USB		(AB-HNG)	
S06s	7744	22-8	1510	Tue	537 296 8 46062 68672 97478 39685 30485 96632 25537 53317 296 8 00000	USB		(AB-HNG/MPJ-AUT)	
S06s	12110	23-8	0730	Wed	745 296 8 37391 37446 86525 89203 33244 39054 35843 37633 296 8 00000	USB		(AB)	
S06s	14977	23-8	0740	Wed	745 296 8 37391 37446 86525 89203 33244 39054 35843 37633 296 8 00000	USB		(AB)	
S06s	9485	23-8	0820	Wed	471 835 6 36420 34433 36148 46198 42149 36914 835 6 00000	USB		(AB)	
S06s	11085	23-8	0830	Wed	471 835 6 36420 34433 36148 46198 42149 36914 835 6 00000	USB		(AB)	
S06s	11565	23-8	0830	Wed	464 253 7 40639 33180 48007 37240 46446 43475 35453 253 7 00000	USB		(AB/LA6LU)	
S06s	12560	23-8	0840	Wed	464 253 7 40639 33180 48007 37240 46446 43475 35453 253 7 00000	USB		(AB)	
S06s	14580	23-8	1000	Wed	729 418 5 95384 41014 86760 83659 48190 418 5 00000	S06s		(AB/MPJ)	
S06s	16020	23-8	1010	Wed	729 418 5 95384 41014 86760 83659 48190 418 5 00000	S06s		(AB/MPJ)	
S06s	9255	24-8	0930	Thu	314 850 6 82333 36958 39423 48076 33739 33384 850 6 00000	USB		(AB)	
S06s	10325	24-8	0940	Thu	314 850 6 82333 36958 39423 48076 33739 33384 850 6 00000	USB		(AB)	
S06s	13145	24-8	1200	Thu	425 803 5 37016 34984 44220 84912 41866 83461 803 6 00000	USB		(AB/MPJ)	
S06s	14535	24-8	1210	Thu	425 803 5 37016 34984 44220 84912 41866 83461 803 6 00000	USB		(AB/MPJ)	
S06s	6844	25-8	0900	Fri	624 807 5 48436 81480 47332 34067 94372 807 5 00000	USB		(AB/MPJ)	
S06s	7161	25-8	0910	Fri	624 807 5 48436 81480 47332 34067 94372 807 5 00000	USB		(AB/MPJ)	
S06s	10290	25-8	0930	Fri	516 843 7 73142 63829 01326 62318 52331 74537 92310 843 7 00000	AM		(AB/MPJ)	
S06s	9655	25-8	0940	Fri	516 843 7 73142 63829 01326 62318 52331 74537 92310 843 7 00000	AM		(AB/MPJ)	
S06s	16320	27-8	0630	Sun	524 819 7 29427 70076 15802 97314 69816 29257 91670 819 7 00000	AM		(AB)	

S06s	14875	27-8	0640	Sun	524 819 7 29427 70076 15802 97314 69816 29257 91670 819 7 00000	AM	(AB)
S06s	8221	28-8	0830	Mon	371 450 6 10107 60562 48015 36417 12362 84620 450 6 00000	USB	(AB)
S06s	9353	28-8	0840	Mon	371 450 6 10107 60562 48015 36417 12362 84620 450 6 00000	USB	(AB)
S06s	16380	28-8	0900	Mon	872 935 6 32324 34896 83738 36375 35685 65850 935 6 00000	USB	(AB/MPJ)
S06s	14835	28-8	0910	Mon	872 935 6 32324 34896 83738 36375 35685 65850 935 6 00000	USB	(AB/MPJ)
S06s	10230	28-8	1200	Mon	831 274 5 19152 23063 36924 98924 08973 274 5 00000	USB	(AB/MPJ)
S06s	12165	28-8	1210	Mon	831 274 5 19152 23063 36924 98924 08973 274 5 00000	USB	(AB/MPJ)
S06s	15945	29-8	0600	Tue	438 438 438 00000	USB	(AB)
S06s	16945	29-8	0610	Tue	438 438 439 00000	USB	(AB)
S06s	5430	29-8	0700	Tue	374 374 374 00000	USB	(AB-UKR)
S06s	6780	29-8	0715	Tue	374 374 374 00000	USB	(AB-UKR)
S06s	7365	29-8	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11655	29-8	0740	Tue	427 427 427 00000	USB	(AB)
S06s	14373	29-8	0800	Tue	352 352 352 00000	USB	(AB)
S06s	12935	29-8	0810	Tue	352 352 352 00000	USB	(AB)
S06s	4820	29-8	1000	Tue	893 893 893 00000	USB	(AB- HNG/MPJ)
S06s	5660	29-8	1010	Tue	893 893 893 00000	USB	(AB-HNG)
S06s	6810	29-8	1100	Tue	754 754 754 00000	USB	(AB- UKR/MPJ)
S06s	7560	29-8	1110	Tue	754 754 754 00000	USB	(AB- UKR/MPJ)
S06s	6766	29-8	1500	Tue	537 537 537 00000	USB	(AB- HNG/MPJ)
S06s	7744	29-8	1510	Tue	537 537 537 00000	USB	(AB- HNG/MPJ)
S06s	12110	30-8	0730	Wed	745 745 745 00000	USB	(AB)
S06s	14977	30-8	0740	Wed	745 745 745 00000	USB	(AB)
S06s	9485	30-8	0820	Wed	471 471 471 00000	USB	(AB)
S06s	11085	30-8	0830	Wed	471 471 471 00000	USB	(AB)
S06s	11565	30-8	0830	Wed	464 464 464 00000	USB	(AB)
S06s	12560	30-8	0840	Wed	464 464 464 00000	USB	(AB)
S06s	14580	30-8	1000	Wed	729 729 729 00000	S06s	(AB/MPJ)
S06s	16020	30-8	1010	Wed	729 729 729 00000	S06s	(AB/MPJ)
S06s	9255	31-8	0930	Thu	314 314 314 00000	USB	(AB/MPJ)
S06s	10325	31-8	0940	Thu	314 314 314 00000	USB	(AB/MPJ)
S06s	13145	31-8	1200	Thu	425 425 425 00000	USB	(AB/MPJ/RL)
S06s	14535	31-8	1210	Thu	425 425 425 00000	USB	(AB/MPJ/RL)
S11a	5149	1-8	0455	Tue	326/34 Vnimanaye 54439 27395 13116 ... 81241 39749 46281 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	8530	1-8	0915	Tue	485/00	USB	(AB/ES)
S11a	8800	1-8	1020	Tue	424/00	USB	(AB/MPJ)
S11a	11092	2-8	1540	Wed	561/00	USB	(AB)
S11a	12153	2-8	1830	Wed	384/00	USB	(AB/MPJ)
S11a	12457	2-8	1850	Wed	282/00	USB	(AB/MPJ)
S11a	4870	2-8	1955	Wed	372/00	USB	(AB)
S11a	10210	3-8	1015	Thu	478/00	USB	(AB/ES)
S11a	5149	4-8	0455	Fri	326/34 Vnimanaye 54439 27395 13116 ... 81241 39749 46281 Vnimanaye, rpt msg, konets	USB	(AB/GHn/ES)
S11a	8530	4-8	0915	Fri	483/00	USB	(AB/MPJ/ES)
S11a	8800	4-8	1020	Fri	424/00	USB	(MPJ)

S11a	4870	4-8	1955	Fri	379/00	USB	(AB)
S11a	11092	5-8	1540	Sat	569/00	USB	(AB/MPJ)
S11a	12457	5-8	1850	Sat	281/00	USB	(AB)
S11a	10210	7-8	1015	Mon	475/00	USB	(AB/MPJ/ES)
S11a	12153	7-8	1830	Mon	382/00	USB	(AB/MPJ)
S11a	5149	8-8	0455	Tue	322/00	USB	(AB)
S11a	8530	8-8	0915	Tue	484/34 Vnimanaye 32730 48322 02664 ... 09242 23624 69779 Vnimanaye, rpt msg, konets	USB	(AB/MPJ/ES)
S11a	8800	8-8	1020	Tue	421/00	USB	(AB/MPJ)
S11a	11092	9-8	1540	Wed	564/33 Vnimanaye ...	USB	(AB)
S11a	12153	9-8	1830	Wed	383/00	USB	(AB)
S11a	12457	9-8	1850	Wed	286/39 Vnimanaye 80009 47533 25936 ... 85635 08225 48362 Vnimanaye, rpr msg, konets	USB	(AB/MPJ)
S11a	4870	9-8	1955	Wed	372/00	USB	(AB/MPJ)
S11a	10210	10-8	1015	Thu	475/00	USB	(AB/ES)
S11a	5149	11-8	0455	Fri	327/00	USB	(AB/ES)
S11a	8530	11-8	0915	Fri	484/34 Vnimanaye 32730 48322 02664 ... 09242 23624 69779 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	8800	11-8	1020	Fri	420/00	USB	(AB/ES)
S11a	4870	11-8	1955	Fri	370/00	USB	(AB)
S11a	11092	12-8	1540	Sat	565/33 Vnimanaye 25860 27156 16515 ... 11150 59223 62297 Vnimanaye, rpt msg, konets	USB	(AB/MPJ/ES)
S11a	12457	12-8	1850	Sat	286/39 Vnimanaye 80009 47533 25936 ... 85635 08225 48362 Vnimanaye, rpr msg, konets	USB	(AB/MPJ)
S11a	10210	14-8	1015	Mon	476/00	USB	(AB/MPJ)
S11a	12153	14-8	1830	Mon	384/36 Vnimanaye 32037 71576 52214 ...	USB	(MPJ)
S11a	5149	15-8	0455	Tue	325/00	USB	(AB/ES)
S11a	8530	15-8	0915	Tue	481/00	USB	(AB/MPJ/ES)
S11a	8800	15-8	1020	Tue	421/00	USB	(AB/MPJ)
S11a	11092	16-8	1540	Wed	565/00	USB	(AB)
S11a	12153	16-8	1830	Wed	384/36 Vnimanaye 32036 61576 52214 ... 17336 33954 20977 Vnimanaye, rpr msg, konets	USB	(MPJ)
S11a	12457	16-8	1850	Wed	287/00	USB	(MPJ)
S11a	4870	16-8	1955	Wed	379/39 Vnimanaye 50816 44141 75718 ... 82210 48729 66867 Vnimanaye, rpt msg, konets	USB	(AB/LA6LU)
S11a	10210	17-8	1015	Thu	475/00	USB	(AB)
S11a	5149	18-8	0455	Fri	329/00	USB	(AB)
S11a	8530	18-8	0915	Fri	483/00	USB	(AB/MPJ)
S11a	8800	18-8	1020	Fri	426/00	USB	(AB/MPJ)
S11a	11092	19-8	1540	Sat	561/00	USB	(AB/MPJ)
S11a	12457	19-8	1850	Sat	286/00	USB	(AB)
S11a	10210	21-8	1015	Mon	470/40 Vnimanaye 92219 20684 57578 ... 49042 25224 37697 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	12153	21-8	1830	Mon	389/00	USB	(AB)
S11a	5149	22-8	0455	Tue	325/00	USB	(AB)
S11a	8530	22-8	0915	Tue	485/00	USB	(AB/MPJ)
S11a	8800	22-8	1020	Tue	427/32 Vnimanaye 29726 26599 21614 ... 22949 68479 17594 Vnimanaye, rpt msg, konets	USB	(AB/MPJ-E)
S11a	11092	23-8	1540	Wed	569/00	USB	(MPJ)
S11a	4870	23-8	1955	Wed	372/00	USB	(AB/MPJ)
S11a	10210	24-8	1015	Thu	470/00	USB	(AB)

S11a	5149	25-8	0455	Fri	328/00	USB	(AB)
S11a	8530	25-8	0915	Fri	485/00	USB	(AB/MPJ)
S11a	8800	25-8	1020	Fri	427/32 Vnimanaye 29726 26599 21614 ... 22949 68479 17594 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11092	26-8	1540	Sat	569/00	USB	(AB/MPJ)
S11a	12457	26-8	1850	Sat	284/00	USB	(AB)
S11a	10210	28-8	1015	Mon	472/00	USB	(AB/MPJ)
S11a	12153	28-8	1830	Mon	385/00	USB	(AB/MPJ)
S11a	5149	29-8	0455	Tue	327/00	USB	(AB)
S11a	8530	29-8	0915	Tue	484/00	USB	(AB/MPJ)
S11a	8800	29-8	1020	Tue	429/00	USB	(AB/MPJ)
S11a	12153	30-8	1830	Wed	380/00	USB	(AB/MPJ)
S11a	12457	30-8	1850	Wed	281/00	USB	(AB/MPJ)
S11a	4870	30-8	1955	Wed	372/00	USB	(AB/MPJ)
S11a	10210	31-8	1015	Thu	472/00	USB	(AB/MPJ)
S28	4625	14-8	1613	Mon	Buzzer channel marker	USB	(AB)
S30	5448	14-8	1612	Mon	Pip channel marker	USB	(AB)
S32	5473	4-8	1118	Fri	Alpha-45 04 549 OBLOZCA 84 75 31 26 MI- TAZOA 58 46 67 65 62	USB	(F5JBR)
S32	5473	14-8	1611	Mon	Squeaky Wheel channel marker	USB	(AB)
S4020	4020	14-8	1615	Mon	Air Horn channel marker	USB	(AB)
UM03	7920	15-8	0848	Tue	X2M i.p. 07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 1508 DATE 1508 = A764U 435AD ANU43 6UDN5 ... //8250//8410 kHz	CW	(JPL-CHN)
UM03	8250	15-8	0848	Tue	X2M i.p. 07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 1508 DATE 1508 = A764U 435AD ANU43 6UDN5 ... //7920//8410 kHz	CW	(JPL-CHN)
UM03	8410	15-8	0848	Tue	X2M i.p. 07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 1508 DATE 1508 = A764U 435AD ANU43 6UDN5 ... //7920//8250 kHz	CW	(JPL-CHN)
UM03	7920	16-8	0729	Wed	X2M i.p. 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1608 DATE 1608 = BQSKZ UWL0D MODFV PHJYB ... //8250//8410 kHz	CW	(JPL-CHN)
UM03	8250	16-8	0729	Wed	X2M i.p. 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1608 DATE 1608 = BQSKZ UWL0D MODFV PHJYB ... //7920//8410 kHz	CW	(JPL-CHN)
UM03	8410	16-8	0729	Wed	X2M i.p. 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1608 DATE 1608 = BQSKZ UWL0D MODFV PHJYB ... //7920//8250 kHz	CW	(JPL-CHN)
UM03	6750	30-8	1512	Wed	i.p. GHFRH HYBJU CBSQN AR W NR 40417 NR 40417 CK 62 62 AR = ADB.. VIOK. HOUXO YKLGB IASMZ (Cont'd)	CW	(JPL-NZL)
UM10	3205	4-8	1927	Fri	10-mins net: EM4X //4075 kHz. New freq.	CW	(JPL-CHN)
UM10	4075	4-8	1927	Fri	10-mins net: EM4X //3205 kHz. New freq.	CW	(JPL-CHN)
UM10	3205	13-8	1305	Sun	10-minutes net: EM4X //4075 kHz	CW	(JPL-CHN)
UM10	4075	13-8	1305	Sun	10-minutes net: EM4X //3205 kHz	CW	(JPL-CHN)
UM10	3205	13-8	1605	Sun	10-minutes net: EM4X //4075 kHz	CW	(JPL-CHN)
UM10	4075	13-8	1605	Sun	10-minutes net: EM4X //3205 kHz	CW	(JPL-CHN)
UM10	3395	13-8	1658	Sun	10-minutes net: FX7T	CW	(JPL-CHN)
UM10	4075	27-8	2134	Sun	10-minutes net: EM4X	CW	(JPL-Sib)
UM10	6487	29-8	1035	Tue	10-minutes net: CWS4 (Note: Previously on 6485)	CW	(JPL-NZL)
V07	13563	27-8	0700	Sun	512 512 512 000	USB	(AB-J/Dan)
V07	12163	27-8	0720	Sun	512 512 512 000	USB	(AB-J/Dan)
V13	9725	18-8	1212	Fri	New Star	AM	(Phi)
V15	6400	5-8	1515	Sat	Music followed by a message in Korean	AM	(CM2)
V24	5290	5-8	1430	Sat	Pop music followed by message in Korean	AM	(AB)
V24	5900	15-8	1600	Tue	Pop song followed by a message in Korean	AM	(CM2)
V24	5900	22-8	1600	Tue	Pop song followed by a male reading num-	AM	(CM2-KOR)

					bers Korean		
V24	4900	27-8	1530	Sun	Song followed by numbers message in Korean	AM	(AB)
V26	8073	27-8	1130	Sun	Callup in Chinese	USB	(JPL-NZL)
V26	4243	31-8	1158	Thu	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-NZL)
V26	9054	31-8	1158	Thu	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-NZL)
VC01	7148	20-8	1138	Sun	Chinese Robot	USB	(IARUMS)
VC01	7148	20-8	1259	Sun	Chinese Robot	USB	(IARUMS)
VC01	4109	26-8	1320	Sat	Chinese Robot	USB	(SP1)
VC01	4109	26-8	1351	Sat	Chinese Robot	USB	(AB-J)
X06	12157	1-8	0802	Tue	Mazielka i.p. Sequence: 165423	MFSK-6	(ES)
X06	14615	1-8	0803	Tue	Mazielka i.p. Sequence: 125643	MFSK-6	(ES)
X06	15989	1-8	0823	Tue	Mazielka i.p. Sequence: 125643	MFSK-6	(ES)
X06	13438	7-8	1003	Mon	Mazielka. Sequence: 166616	MFSK-6	(ES)
X06	13438	7-8	1024	Mon	Mazielka. Sequence: 166616	MFSK-6	(ES)
X06	11153	9-8	0802	Wed	Mazielka. Sequence: 465132	MFSK-6	(ES)
X06	14560	9-8	1104	Wed	Mazielka. Sequence: 621543	MFSK-6	(ES)
X06	12213	11-8	1003	Fri	Mazielka i.p. Sequence: 615243	MFSK-6	(ES)
X06	17463	11-8	1004	Fri	Mazielka i.p. Sequence: 256134	MFSK-6	(ES)
X06	14595	20-8	1338	Sun	Mazielka i.p. Sequence: 452163	MFSK-6	(GNL)
X06	10193	24-8	0942	Thu	Mazielka. Sequence: 164532. Ends at 0946 UTC	MFSK-6	(AB)
X06a	20146	11-8	1036	Fri	Mazielka. Sequence: 616161. Fast version before E07	MFSK-6	(AB)
X06a	20146	11-8	1038	Fri	Mazielka. Sequence: 616161. Fast version before E07	MFSK-6	(AB)
X06a	17000	11-8	1104	Fri	6	MFSK-6	(ES)
X06a	17000	11-8	1208	Fri	6	MFSK-6	(ES)
X06b	13430	8-8	0957	Tue	Mazielka i.p. Sequence: 1--6--	MFSK-6	(ES)
X06b	13430	8-8	1134	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(ES)
X06b	16632	10-8	1049	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(ES)
X06b	16453	10-8	1134	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(ES)
X06b	16453	10-8	1235	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(ES)
X06b	13438	20-8	1835	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14738	20-8	1836	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14818	23-8	0820	Wed	Mazielka i.p. Sequence: 1--6-- Ends at 1541 UTC	MFSK-6	(AB)
X06b	13881	23-8	1639	Wed	Mazielka. Sequence: 1--6-- before E07	MFSK-6	(AB)
X06b	10238	25-8	0825	Fri	Mazielka. Sequence: 1--6-- Ends at 0830 UTC	MFSK-6	(SP1)
X06b	13438	27-8	1904	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
X06b	14738	27-8	1905	Sun	Mazielka. Sequence: 1--6-- before XPA2	MFSK-6	(Dan)
XPA	10868	2-8	0600	Wed	813 813 813 000 04405 00001 00000 10140	MFSK-20-10Bd	(AB/HFD)
XPA	12168	2-8	0620	Wed	813 813 813 000 04405 00001 00000 10140	MFSK-20-10Bd	(AB/HFD)
XPA	13368	2-8	0640	Wed	813 813 813 000 04405 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10868	7-8	0600	Mon	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20-10Bd	(Danix)
XPA	12168	7-8	0620	Mon	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20-10Bd	(AB)
XPA	13368	7-8	0640	Mon	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20/10Bd	(AB)
XPA	10868	9-8	0600	Wed	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20-10Bd	(AB)
XPA	12168	9-8	0620	Wed	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20-10Bd	(AB)
XPA	13368	9-8	0640	Wed	813 1 08491 00093 13308 ... 52254 15408 00710	MFSK-20/10Bd	(AB)
XPA	10868	14-8	0600	Mon	813 813 813 000 01121 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	12168	14-8	0620	Mon	813 813 813 000 01121 00001 00000 10140	MFSK-20-10Bd	(AB)

XPA	13368	14-8	0640	Mon	813 813 813 000 01121 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	16-8	0600	Wed	813 813 813 000 04120 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	12168	16-8	0620	Wed	813 813 813 000 04120 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	13368	16-8	0640	Wed	813 813 813 000 04120 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	21-8	0600	Mon	813 813 813 000 06765 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	12168	21-8	0620	Mon	813 813 813 000 06765 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	13368	21-8	0640	Mon	813 813 813 000 06765 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	23-8	0600	Wed	813 813 813 000 03031 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	12168	23-8	0620	Wed	813 813 813 000 03031 00001 00000 10140	MFSK-20-10Bd	(AB)
XPA	13368	23-8	0640	Wed	813 813 813 000 03031 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	28-8	0600	Mon	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20-10Bd	(AB)
XPA	12168	28-8	0620	Mon	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20-10Bd	(AB)
XPA	13368	28-8	0640	Mon	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20/10Bd	(AB)
XPA	10868	30-8	0600	Wed	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20-10Bd	(AB)
XPA	12168	30-8	0620	Wed	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20-10Bd	(AB)
XPA	13368	30-8	0640	Wed	813 1 05373 00067 22727 ... 79922 74036 20601	MFSK-20/10Bd	(AB)
XPA2	20049	1-8	0700	Tue	03402 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	18549	1-8	0720	Tue	03402 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	17449	1-8	0740	Tue	03402 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	16314	1-8	1900	Tue	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/Dan/MP J/HFD)
XPA2	15814	1-8	1920	Tue	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/Dan/RL/ MPJ/HFD)
XPA2	14514	1-8	1940	Tue	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/Dan/RL/ MPJ/HFD)
XPA2	14738	1-8	2000	Tue	03590 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	13438	1-8	2020	Tue	03590 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	12138	1-8	2040	Tue	03590 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	16314	3-8	1900	Thu	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/GHn/M PJ/Dan)
XPA2	15814	3-8	1920	Thu	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/MPJ/Da n/RL)
XPA2	14514	3-8	1940	Thu	06759 00143 98459 ... 97617 58647 62447	MFSK-16/20Bd	(AB/MPJ/Da n)
XPA2	20049	4-8	0700	Fri	05509 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18549	4-8	0720	Fri	05509 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17449	4-8	0740	Fri	05509 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	4-8	1900	Fri	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	4-8	1920	Fri	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	4-8	1940	Fri	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	5-8	1900	Sat	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB)
XPA2	14663	5-8	1920	Sat	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB)
XPA2	13923	5-8	1940	Sat	01389 00107 14695 ... 78784 06791 23735	MFSK-16/20Bd	(AB)
XPA2	14738	6-8	2000	Sun	09937 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	13438	6-8	2020	Sun	09937 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12138	6-8	2040	Sun	09937 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	20049	8-8	0700	Tue	07028 00127 81329 ... 10885 95827 26132	MFSK-16/20Bd	(AB)
XPA2	18549	8-8	0720	Tue	07028 00127 81329 ... 10885 95827 26132	MFSK-16/20Bd	(AB)
XPA2	17449	8-8	0740	Tue	07028 00127 81329 ... 10885 95827 26132	MFSK-16/20Bd	(AB)
XPA2	16314	8-8	1900	Tue	06918 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n/RL)
XPA2	15814	8-8	1920	Tue	06918 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n/RL)
XPA2	14514	8-8	1940	Tue	06918 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n)

									n/RL)
XPA2	14738	8-8	2000	Tue	05481 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	13438	8-8	2020	Tue	05481 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	12138	8-8	2040	Tue	05481 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	16314	10-8	1900	Thu	09599 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	15814	10-8	1920	Thu	09599 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	14514	10-8	1940	Thu	09599 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	20049	11-8	0700	Fri	07028 00127 81329 ... 10885 95827 26132		MFSK-16/20Bd		(AB)
XPA2	18549	11-8	0720	Fri	07028 00127 81329 ... 10885 95827 26132		MFSK-16/20Bd		(AB)
XPA2	17449	11-8	0740	Fri	07028 00127 81329 ... 10885 95827 26132		MFSK-16/20Bd		(AB)
XPA2	16167	11-8	1900	Fri	04801 00001 00000 10140		MFSK-16/20Bd		(AB/GHn)
XPA2	14663	11-8	1920	Fri	04801 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	13923	11-8	1940	Fri	04801 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	16167	12-8	1900	Sat	08200 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ)
XPA2	14663	12-8	1920	Sat	08200 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ)
XPA2	13923	12-8	1940	Sat	08200 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ)
XPA2	14738	13-8	2000	Sun	01382 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ)
XPA2	13438	13-8	2020	Sun	01382 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	12138	13-8	2040	Sun	01382 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	20049	15-8	0700	Tue	06533 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	18549	15-8	0720	Tue	06533 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	17449	15-8	0740	Tue	06533 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	16314	15-8	1900	Tue	09676 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ/Da n)
XPA2	15814	15-8	1920	Tue	09676 00001 00000 10140		MFSK-16/20Bd		(AB/MPJ/Da n)
XPA2	14514	15-8	1940	Tue	09676 00001 00000 10140		MFSK-16/20Bd		(AB/Dan)
XPA2	14738	15-8	2000	Tue	07340 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	13438	15-8	2020	Tue	07340 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	12138	15-8	2040	Tue	07340 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	16314	17-8	1900	Thu	04934 00001 00000 10140		MFSK-16/20Bd		(AB/Dan/MP J)
XPA2	15814	17-8	1920	Thu	04934 00001 00000 10140		MFSK-16/20Bd		(AB/Dan/MP J)
XPA2	14514	17-8	1940	Thu	04934 00001 00000 10140		MFSK-16/20Bd		(AB/Dan/MP J)
XPA2	20049	18-8	0700	Fri	09950 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	18549	18-8	0720	Fri	09950 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	17449	18-8	0740	Fri	09950 00001 00000 10140		MFSK-16/20Bd		(AB)
XPA2	16167	18-8	1900	Fri	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB/MPJ)
XPA2	14663	18-8	1920	Fri	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB)
XPA2	13923	18-8	1940	Fri	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB)
XPA2	16167	19-8	1900	Sat	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB)
XPA2	16167	19-8	1900	Sat	msg XPA2r		MFSK-16/20Bd		(HFD)
XPA2	14663	19-8	1920	Sat	msg XPA2r		MFSK-16/20Bd		(HFD)
XPA2	14663	19-8	1920	Sat	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB)
XPA2	13923	19-8	1940	Sat	00792 00081 84930 ... 62211 54553 47327		MFSK-16/20Bd		(AB)
XPA2	13923	19-8	1940	Sat	msg XPA2r		MFSK-16/20Bd		(HFD)
XPA2	14738	20-8	2000	Sun	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB/Dan)
XPA2	13438	20-8	2020	Sun	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB/Dan)
XPA2	12138	20-8	2040	Sun	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB/Dan)
XPA2	20049	22-8	0700	Tue	Null message. Too weak to decode		MFSK-16/20Bd		(AB)
XPA2	18549	22-8	0720	Tue	Null message. Too weak to decode		MFSK-16/20Bd		(AB)
XPA2	17449	22-8	0740	Tue	Null message. Too weak to decode		MFSK-16/20Bd		(AB)
XPA2	16314	22-8	1900	Tue	05390 00187 15852 ... 18361 94558 24531		MFSK-16/20Bd		(AB/MPJ)
XPA2	15814	22-8	1920	Tue	05390 00187 15852 ... 18361 94558 24531		MFSK-16/20Bd		(AB/MPJ)
XPA2	14514	22-8	1940	Tue	05390 00187 15852 ... 18361 94558 24531		MFSK-16/20Bd		(AB/MPJ)
XPA2	14738	22-8	2000	Tue	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB)
XPA2	13438	22-8	2020	Tue	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB)
XPA2	12138	22-8	2040	Tue	02830 00083 80805 ... 16711 33126 46260		MFSK-16/20Bd		(AB)

XPA2	16314	24-8	1900	Thu	05390 00187 15852 ... 18361 94558 24531	MFSK-16/20Bd	(AB/MPJ/Da n)
XPA2	15814	24-8	1920	Thu	05390 00187 15852 ... 18361 94558 24531	MFSK-16/20Bd	(AB/MPJ/Da n)
XPA2	14514	24-8	1940	Thu	05390 00187 15852 ... 18361 94558 24531	MFSK-16/20Bd	(AB/MPJ/Da n)
XPA2	20049	25-8	0700	Fri	08934 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18549	25-8	0720	Fri	08934 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17449	25-8	0740	Fri	08934 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16167	25-8	1900	Fri	01409 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	25-8	1920	Fri	01409 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13923	25-8	1940	Fri	01409 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16167	26-8	1900	Sat	08653 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14663	26-8	1920	Sat	08653 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13923	26-8	1940	Sat	08653 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14738	27-8	2000	Sun	06803 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13438	27-8	2020	Sun	06803 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	27-8	2040	Sun	06803 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	20049	29-8	0700	Tue	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB)
XPA2	18549	29-8	0720	Tue	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB)
XPA2	17449	29-8	0740	Tue	00704 00141 39787 ... 13646 93998 32711	MFSK-16/20Bd	(AB)
XPA2	16314	29-8	1900	Tue	05461 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	15814	29-8	1920	Tue	05461 00001 00000 10140	MFSK-16/20Bd	(AB/GHn/M PJ/RL)
XPA2	14514	29-8	1940	Tue	05461 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14738	29-8	2000	Tue	07164 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	13438	29-8	2020	Tue	07164 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	12138	29-8	2040	Tue	07164 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	31-8	1900	Thu	02356 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n/RL)
XPA2	15814	31-8	1920	Thu	02356 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n)
XPA2	14514	31-8	1940	Thu	02356 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Da n)

CONTRIBUTORS

AB	Ary Boender, Netherlands	GHn	Gary Hagermann, UK
AB-AUT	Ary Boender via remote rx Austria	GNL	Graham, Canada
AB-CHN	Ary Boender via remote rx China	HFD	Hans-Friedrich Dumrese, Germany
AB-FIN	Ary Boender via remote rx Finland	IARUMS	IARU Monitoring Service
AB-G	Ary Boender via remote rx UK	JavDX	JavDX
AB-HNG	Ary Boender via remote rx Hungary	JPL	JPL, Ontario, Canada (and various remotes)
AB-J	Ary Boender via remote rx Japan	JPL-CHN	JPL via remote rx China
AB-KOR	Ary Boender via remote rx South Korea	JPL-KOR	JPL via remote rx South Korea
AB-RUS	Ary Boender via remote rx Russia	JPL-NZL	JPL via remote rx New Zealand
AB-Sib	Ary Boender via remote rx Siberia	JPL-Sib	JPL via remote rx Siberia
AB-UKR	Ary Boender via remote rx Ukraine	JU	Jay Updike, W. Europe
AnEur	Anonymous Europe	K3DCW	Dave Wright, MD, USA
BvR	Bert van Rij, Netherlands	LA6LU	Geir Laastad, Norway
BW3	Barry Williams, AL, USA	MCO	Mike Chace-Ortiz, PA, USA
CM2	Chris Malboef	MPJ	Jim, SW England
CM2-KOR	Chris Malboef via remote rx S. Korea	MPJ-AUT	Jim via remote rx Austria
Dan	Daniel, Argentina	MPJ-E	Jim via remote rx Spain
Danix	Danix111, Poland	MPJ-UKR	Jim via remote rx Ukraine
Danix-USA	Danix via remote rx USA	Phi	Philby
dmhz-ISR	DoktorMHz via remote rx Israel	RF2	Rick Fenlon
DSch	Don Schimmel, WV, USA	RL	Landolpho, Brazil
ES	Edward Smith, UK	RP-HNG	Ron via remote rx Hungary
ES-POL	Edward Smith via remote rx Poland	RP-MD	Ron, MD, USA
EW	Eddy Waters, Australia	RR2	Rich Ray, IL, USA
F5JBR	F5JBR André, France	SP1	Sylvain, France
FT	Frank Thierry		

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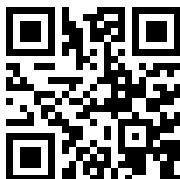
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SPY NUMBERS ONLINE DATABASE	http://www.spynumbers.com/numbersDB
UDXF - UTILITY DXERS FORUM	http://www.udxf.nl
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87392	76987	92123	92157	92305	91287	65091
87392	75054	55656	12737	72727	72727	91918
87392	87629	37612	52322	53888	71296	58476
87392	74309	76885	97878	73481	56108	57601
87392	92705	92705	92705	92705	92705	92705
87392	63280	75685	27605	87328	26376	91273
87392	87432	74328	78674	29867	32067	67867
87392	68752	28324	28324	88768	62321	98772
87392	32342	86743	82389	43286	43286	43286
87392	98743	92867	92867	96743	92867	92867
87392	86743	86743	86743	86743	86743	86743
87392	98754	98754	98754	98754	98754	98754
87392	87698	87698	87698	87698	87698	87698
87392	65656	65656	56123	32343	32343	32343
87392	58765	58765	58765	58765	58765	58765

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