

6	27364	92836	89428	61298	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	98678	27681	56781	57681	73648	1
1	87364	87265	96718	27638	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	48
43	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	87
10	87698	69876	87698	69876	87612	12341	34867	86798	6
	43298	65656	56756	56123	32143	14321	32143	14321	37
	58765	58765	76587	58765	76587	58765	76587	58756	8

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #245, February 2018

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

Welcome to yet another edition of Numbers & Oddities. You will find the usual loggings and transcripts in N&O, including a very extensive M01a review written by Edd Smith. Thanks for that!!

You will notice that the Logs Section is now in landscape format. I trust that this is an improvement.

VOICE STATIONS

E06

4760 kHz, 02-02, 2128 UTC, early start

472 149 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

4836 kHz, 15-02, 2030 UTC

Windows XP sound. Same rhythm as the usual digits. Shutdown sound at the end of the transmission

Recording: <http://www.numbersoddities.nl/E06-2018-02-15-2030utc-XP-sounds-vice-digits.mp3>

4760 kHz, 16-02, 2125 UTC

Windows XP sound. Same rhythm as the usual digits.

4745 kHz, 16-02, 2130 UTC

Windows XP sound. Same rhythm as the usual digits. Shutdown sound at the end of the transmission

E07

6777/5449/4483 kHz, 01-02, 2110/2130/2150 UTC

744 744 744 1 768 79 768 79

41672 54211 23842 26682 05832 10873 49330 17275 57365 13053
71983 50694 20841 63056 31645 07693 94128 96642 06602 28847
13851 17121 26440 45895 66632 54955 06651 23539 89446 24166
43574 18020 03890 60212 53072 16021 03070 60730 10406 47994
12525 36588 34419 41127 89512 29109 60922 01202 24015 12489
14588 38008 94688 97136 18172 05389 76617 28229 99324 30319
13192 18926 58874 25658 29566 42212 13507 33526 29771 06854
98811 93476 76807 53878 39713 31188 11008 56723 44856 000 000

10112/11112/12112 kHz, 03-02/04-02/10-02/11-02, 0700/0720/0740 UTC

111 111 111 1 600 74 600 74

42504 29609 92494 50890 93118 61978 83863 44398 85721 79152
63161 63429 97574 80229 35889 69991 48069 54150 18328 83480
25361 92282 16119 99780 96042 01008 13297 32867 98782 59834
20656 27052 38617 89117 58415 93640 94257 47958 73988 16690
64415 05603 71410 77466 57816 89351 52475 16197 36999 58498
12624 54723 05681 94812 50714 02427 29598 89445 33454 78097
42346 39711 61465 09774 72724 87076 90218 19491 61279 89895
94999 53768 17711 50853 000 000

10219/9119/7519 kHz, 04-02/07-02, 1800/1820/1840 UTC

215 215 215 1 338 139 338 139
15275 20282 70884 87570 99664 37051 26895 13949 74457 34888
19087 59979 31967 69578 42283 94082 18305 52237 59160 63034
92368 18614 85992 42732 49835 28839 25205 72192 35959 30385
73882 70889 94351 44532 59078 75860 43901 13689 91228 64665
07066 95059 76824 49702 05346 18875 30281 74717 96767 42948
72394 28012 75896 69401 27495 28847 81535 25517 94302 97161
47020 97229 26172 21336 63840 37304 11045 62497 38793 66249
18814 40035 77586 60577 78476 96585 84607 83322 82955 20068
22760 28716 92829 14797 11673 34730 88793 65582 89420 40414
73055 60791 37540 54008 48215 84297 30296 25444 90680 68017
62841 41504 33874 53207 78775 31637 17864 88808 15595 10298
75132 05344 68025 74290 09928 10771 81295 59852 73237 26435
21692 61734 21504 67856 85504 23218 77006 53279 27800 29371
19324 47329 81211 63182 04113 50033 48190 08948 43691 000 000

8157/6857/5257 kHz, 05-02/07-02, 2000/2020/2040 UTC

182 182 182 1 345 73 345 73
24535 07302 09800 82219 46799 26759 79662 75687 10469 41777
15078 56421 87649 81124 22561 78105 86834 82534 39753 18113
38165 59028 29441 93223 55446 11143 57338 73887 42537 87570
70212 80527 99811 28387 34620 31950 79562 16968 51914 16112
00724 89759 84967 99978 82413 28849 23688 17046 17098 83853
02302 05487 04695 05867 40152 30150 00911 85682 90941 54665
21371 80561 69694 13227 82859 00444 58694 19199 92486 00737
65983 09881 03098
000 000

16161/14661/13361 kHz, 06-02/09-02, 1100/1120/1140 UTC

163 163 163 1 5495 73 5495 73
39501 28565 82679 80398 96733 10325 64457 69766 58302 49490
86519 02699 64412 64073 22574 42766 27191 59711 63526 02139
13729 01813 69354 56985 50823 39977 09346 34472 39058 66214
13492 71417 72235 07612 14673 81487 49210 23890 42190 01684
99942 34756 76322 00328 94352 15597 38253 34875 94686 43013
87118 35554 69509 40577 93162 32121 25063 38575 36424 66121
43509 00409 09549 02479 41184 22181 07872 25000 76126 59626
79050 48157 87958 000 000

6777/5449/4483 kHz, 15-02, 2110/2130/2150 UTC

744 744 744 1 6010 57 6010 57
35009 88296 69637 24557 06441 33530 10512 82905 58779 08471
09670 57760 28722 01898 98062 46367 89769 65871 23372 31839
70786 05844 48089 10301 42413 84072 88848 30465 79036 85971
90796 82507 07812 81541 70475 14090 11837 93462 90289 40101
38958 15906 43959 90284 68795 84731 84413 08885 80331 75640
68141 60852 35271 84399 83051 54404 85800 000 000

16161/14661/13361 kHz, 20-02/23-02, 1100/1120/1140 UTC

163 163 163 1 8611 65 8611 65
03078 73796 42806 66514 22424 20509 47756 20691 48312 67401
62381 44457 54244 43378 91723 50196 90857 33703 37485 29713
27459 59800 46869 77215 09478 96781 49999 66054 19963 18260
91492 46518 37623 38168 09600 44543 89239 00639 49291 64946
11692 66155 70323 60648 34867 44351 91076 05031 73981 65414
07090 27304 82790 07683 07867 35427 07560 35628 25251 71082
94484 40303 47023 42417 28003 000 000

10219/9119/7519 kHz, 18-02/21-02, 1800/1820/1840 UTC

215 215 215 1 137 75 137 75
77619 12844 30308 93488 08601 63129 70234 79370 33115 77424
99940 17940 20775 95302 24224 41630 73572 10360 51103 17612
74702 62034 70942 35787 56887 89825 64859 87468 82191 96087
40298 75684 37900 89529 89985 96775 58765 19516 36288 33812
22513 05180 98080 23727 00437 88990 70690 68378 82474 80617
71548 37409 64956 83351 66703 31220 03782 19328 96414 02531
20115 77717 66045 20846 12532 53325 04642 25116 17106 69905
11087 30613 87790 13015 08941 000 000

10219/9119/7519 kHz, 25-02/28-02, 1800/1820/1840 UTC

215 215 215 1 337 99 337 99
34096 65373 60968 34844 84122 03696 72699 52244 87266 77919
78276 35126 84517 71413 06178 99897 51299 74044 23975 52134
39596 66601 10826 72364 61527 83464 31664 63830 04336 14633
60644 23926 22755 75516 89037 50874 71204 96753 46445 27269
66683 51809 06846 60740 45055 62024 84935 42751 47948 26114
91052 05405 63458 10833 19444 76318 28068 00073 28610 18510
47506 66221 52329 04830 77661 39724 12737 26734 38770 71960
22735 91383 91906 56019 03547 22050 16176 20174 33193 15872
94375 20950 98238 86928 22874 73407 36942 13691 35843 64910
99767 02455 57976 67505 78634 28534 90281 06796 28274 000 000

E07a

5877/5277/4577 kHz, 14-02/21-02, 2100/2120/2140 UTC

825 825 825 1 60906 8036 55 8036 55
50253 09526 77208 36157 31346 46343 56671 58273 61777 84922
49566 79992 91276 63916 95694 72368 61438 50847 77230 52586
47913 84878 71765 72416 02041 26678 13538 21819 84245 56848
44355 73582 19941 28086 23131 47630 12699 51286 98263 46411
54029 03839 15300 36481 37553 62043 66380 49496 80861 53545
03357 04845 67202 76588 61754 000 000

5111/5811/6911 kHz, 15-02/22-02, 0530/0540/0550 UTC

189 189 189 1 60906 8036 55 8036 55
50253 09526 77208 36157 31346 46343 56671 58273 61777 84922
49566 79992 91276 63916 95694 72368 61438 50847 77230 52586
47913 84878 71765 72416 02041 26678 13538 21819 84245 56848
44355 73582 19941 28086 23131 47630 12699 51286 98263 46411
54029 03839 15300 36481 37553 62043 66380 49496 80861 53545
03357 04845 67202 76588 61754 000 000

E11a

7377 kHz, 03-02/04-02, 0805 UTC

311/33 Attention
22881 60827 25794 73257 12777 03970 85786 58597 35864 61279
96776 54266 11743 43846 85082 51468 57402 37102 21811 23827
04231 16041 08621 18972 82603 34950 61699 72127 60053 35969
44419 13830 94250
Attention, rpt msg, out

9200 kHz, 05-02/09-02, 0600 UTC

185/35 Attention

28495 71153 97795 40576 09032 29237 19980 52899 40833 88441
92188 50334 98887 59354 49117 07444 95508 05651 22061 30928
65641 48000 57341 21117 15291 57919 86538 63306 36453 58988
34325 42171 59736 65052 84995

Attention, rpt msg, out

12202 kHz, 06-02, 0820 UTC

134/37 Attention

72129 54745 23352 24687 38886 91454 18967 32603 25557 78807
61443 99149 64230 55954 27472 46449 58877 00751 15803 34021
40228 61463 73689 85800 80047 73586 93725 05344 62764 28391
40148 95599 65130 62192 82793 19002 84333

Attention, rpt msg, out

8800 kHz, 06-02/09-02, 1000 UTC

308/36 Attention

94895 64277 60300 57541 21602 94500 75320 03259 83451 88074
26271 44442 27324 82145 97619 37120 91831 02063 66014 99768
01111 96960 52096 96168 22442 07299 13882 88103 93858 03948
32813 71931 06382 98153 28795 82456

Attention, rpt msg, out

11104 kHz, 08-02, 0845 UTC

159/22 Attention

96918 37091 56272 21416 32257 78535 32650 39930 59551 24341
07193 62967 22996 21352 97612 90227 09426 20146 70596 30892
31920 95439

Attention, rpt msg, out

10448 kHz, 11-02, 1625 UTC

970/40 Attention

67921 64662 32904 28037 11841 69174 24570 07847 09460 03740
15523 74444 74975 41737 75967 19023 73046 40270 18810 87275
65114 81945 62656 87428 13919 64308 63520 57082 95441 80951
04421 69432 52957 05997 65657 73317 26xx0 55374 54096 40020

Attention, rpt msg, out

10213 kHz, 12-02/15-02, 0745 UTC

262/32 Attention

53997 13749 21676 29161 00004 78347 98606 27036 62708 24610
63662 86012 19127 18770 41686 69426 43549 15202 38535 18421
09071 38229 47022 62108 38809 51955 77198 92579 63482 47966
43664 62966

Attention, rpt msg, out

7984 kHz, 12-02/15-02, 0820UTC

436/38 Attention

15272 36479 14320 41448 99527 12765 87502 06082 77198 88305
63460 13757 66628 26899 36499 25404 34771 00843 01852 27367
22700 32006 17136 82751 38653 61093 40324 02366 58934 80621
89235 46512 70454 65784 30233 88856 76036 56385

Attention, rpt msg, out

7840 kHz, 13-02, 0645 UTC

519/40 Attention

48166 18157 21500 65364 45017 35702 52583 41529 63806 43052
51083 02071 23997 47352 70736 81522 83586 51995 17476 49577
39605 64239 97594 84468 82423 92000 13726 88116 04138 96414
91465 22970 75348 24758 54739 86097 46877 62423 75973 18223

Attention, rpt msg, out

9130 kHz, 13-02/16-02, 0715 UTC

639/37 Attention

76950 75062 45609 11278 75595 15229 82455 87929 41155 13962
30361 90291 87822 92124 13917 06347 29950 99212 29572 36656
34737 10476 24575 59072 64024 28712 44528 87178 86721 82466
15068 24369 46719 16255 09462 91033 49213

Attention, rpt msg, out

4505 kHz, 13-02/18-02, 1705 UTC

230/36 Attention

30098 60927 47473 81119 95670 19887 06697 09491 88395 67153
80990 56176 03851 69712 98696 79250 73130 99193 21198 82809
33786 86155 68797 28143 64626 26437 19216 40292 82063 35590
22236 54106 70102 87697 53570 48584

Attention, rpt msg, out

8180 kHz, 14-02/15-02, 0930 UTC

270/40 Attention

04985 39481 34276 15880 14831 67677 43078 49463 51224 19605
69409 26794 41814 48554 69331 12546 16010 67518 22872 97240
26654 85389 97121 41000 23462 72268 78306 00785 35800 39930
42134 67374 89660 59571 28069 57862 98687 64975 35003 52697

Attention, rpt msg, out

8680 kHz, 15-02/17-09, 1300 UTC

589/31 Attention

41164 54383 61346 46153 36258 29514 02078 21635 46251 05730
06339 42352 76865 34726 88977 47085 41395 23701 47174 02490
73421 70115 56767 51045 71757 92170 12366 72900 36060 76220
05713

Attention, rpt msg, out

5779 kHz, 15-02, 1730 UTC

418/39 Attention

25483 75773 34515 99360 92846 38394 54543 42037 37368 30936
50212 52255 04411 78273 94732 04572 90731 00450 93570 16024
09838 57688 05324 37513 57328 87266 98058 78639 02014 13542
25325 33181 23993 69228 67490 86557 88391 37377 86644

Attention, rpt msg, out

20167 kHz, 09-02, 1225 UTC

522/37 Attention

24669 07204 57932 53273 52149 99990 22998 13555 99650 60696
21142 48575 90898 53374 85527 42033 29748 07095 33416 90769
32956 62676 63460 10565 15818 24203 87599 94055 65641 00227
31133 12995 42641 52285 83620 31504 75641

Attention, rpt msg, out

6849 kHz, 19-02/22-02, 1900 UTC

644/38 Attention

83690 66710 33010 54570 30876 71363 15890 27543 43216 26445
96754 05663 75457 98846 78988 91752 04895 90094 21334 87571
15548 27234 59106 54781 90116 59403 43160 04451 96501 39682
80964 79273 38492 71071 87991 57490 77126 80788

Attention, rpt msg, out

7317 kHz, 20-02/21-02, 1205 UTC

466/34 Attention

12139 63103 90536 19416 00064 68546 34890 56970 40475 64674
75569 63428 54141 36871 76838 75801 79084 27493 50747 73545
29774 86995 28115 71593 40682 69767 75308 23331 92842 50090
65631 02797 12466 16461

Attention, rpt msg, out

14666 kHz, 20-02, 1345 UTC

910/39 Attention

96379 15087 30201 30700 07644 55330 26514 87142 00330 61492
07276 34977 63527 87627 04619 89281 44431 83356 55445 33334
01860 93960 90129 18653 59073 87452 14867 07254 15413 90606
82071 31017 06087 30572 30698 07501 54606 40934 79638

Attention, rpt msg, out

11493 kHz, 20-02/22-02, 1645 UTC

330/40 Attention

48279 61034 01537 59726 25673 49043 21604 84265 96671 58214
95011 23749 70059 51192 78521 30169 33519 37479 69505 50577
99908 18056 81005 50061 76590 89900 29540 90927 94058 26574
64891 31332 50799 83939 50304 99418 42428 70715 11804 42688

Attention, rpt msg, out

17378 kHz, 21-02/23-02, 0745 UTC

343/38 Attention

88673 31600 44089 04569 63323 75951 04614 18905 68070 74197
19505 54586 20692 03518 98907 74361 86366 62590 21947 74261
43302 72879 64085 73201 93273 86039 36576 49347 83252 81395
90180 39313 64525 02418 34400 01892 50747 99122

Attention, rpt msg, out

9443 kHz, 21-02/24-02, 1705 UTC

394/40 Attention

48334 06925 26426 99985 62589 65431 25004 59007 35528 35608
77797 98687 83618 91791 78059 10135 51620 55117 52855 12959
95442 46025 77054 26097 85853 49059 38687 34009 55969 56544
41314 99269 46876 45090 67905 75194 70374 04536 13573 64155

Attention, rpt msg, out

8545 kHz, 21-02/24-02, 1730 UTC

402/40 Attention

77215 64101 62187 15884 17331 35581 51829 47481 55826 59366
43168 46770 81402 32630 47708 64579 24283 25781 07700 45747
07312 13950 99345 81663 08963 43331 04394 23358 85429 34787
93336 00515 02538 26188 79334 95409 81426 25150 93499 10986

Attention, rpt msg, out

4505 kHz, 24-02/25-02, 0710 UTC

496/32 Attention

43146 63124 71315 72470 83740 20351 44734 39250 72539 05709
42961 12300 27579 54803 50365 24744 64727 76661 74341 69369
16878 99107 15197 03333 37767 87412 98536 94595 73706 99246
88774 10082

Attention, rpt msg, out

9446 kHz, 26-02/28-02, 0900 UTC

537/40 Attention

07605 07345 75883 18994 58578 24989 13434 67339 09803 28288
04580 41391 64492 95579 34552 18559 73777 19782 41386 85483
90271 39490 93887 73104 30086 23602 84400 57696 29220 09182
75979 29256 24866 77864 38772 42720 72658 39016 07676 95471

Attention, rpt msg, out

11450 kHz, 28-02, 0640 UTC

948/35 Attention

21711 44429 20879 96003 67270 99260 73681 63591 40408 39894
45804 18252 43889 08112 10140 27901 85671 09316 70538 98260
48844 48396 19426 09317 80160 03423 76878 46948 54764 75719
97161 71858 52921 90681 22044

Attention, rpt msg, out

E17z**11170/9820 kHz, 01-02/08-02, 0800/0810 UTC**

674 982 5 30702 88959 89831 42097 88475 982 5 00000

11170/9820 kHz, 15-02/22-02, 0800/0810 UTC

674 210 5 35861 33432 89319 32494 85642 210 5 00000

E25**6140 kHz, 07-02, 0736 UTC**Recording: <http://priyom.org/media/189959/e25-6140am-20180207-736z-failtx-byparkeerwacht.ogg>

Live transmission. Arabic music, voices, distorted audio, failing transmitter.

25 0

6140 kHz, 07-02, 0753 UTCRecording: <http://priyom.org/media/189962/e25-6140am-20180207-753z-live-byparkeerwacht.ogg>

Live transmission with errors.

0 50 25 250 250 250 250 250

Message, message, message

3744 1180 7420 8502 8215 8503 102

Rebeat, rebat, rebat

3744 1180 7420 ... 15 8503 1028 7420

EOM EOT

6140 kHz, 07-02, 0757 UTCRecording: <http://priyom.org/media/189967/e25-6140am-20180207-757z-live-byparkeerwacht.ogg>

Live transmission

250 250 250 250 250 250 250 250 250 250

Message, message, message

3744 1180 7420 8502 8215 8503 1028 7420

Rebeat, rebat, rebat

3744 1180 7420 8502 8215 8503 1028 7420

EOM EOT

6140 kHz, 07-02, 1332 UTC

Recording: <http://priyom.org/media/189972/e25-6140am-20180207-1332z-music-byparkeerwacht.ogg>

Windows 7 login sound. Enta omri eindigd abrupt

G06

4530 kHz, 08-02, 1828 UTC

271 847 58

67391 24518 97497 42873 48732 35875 94589 43543 93269 73231
39317 43073 24893 21956 58946 58943 68951 29618 93648 91693
64134 86596 42384 84274 56741 38549 74375 13248 24389 34923
43241 39432 49321 89589 32385 48434 91893 24832 39532 65764
32893 76738 78346 57263 75329 65287 41291 31284 82564 37539
38578 43969 35434 54363 25487 21645 72848 69529
847 58 00000

4792 kHz, 09-02, 1930 UTC

436 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946
19647 87484 25986 28546 59196 27324 59872 48247 28485 96176
87475 92763 83465 14592 56293 28983 29384 98329 21839 32874
93284 98324 59693 25932 15959 61893 26498 23128 96197 12387
13249 76324 76743 43656 87962 28763 54872 35812 54871 63248
64726 56295 91262 52864 52765 43532 47274 12636 32127 63163
47263 47623 76275 26543 76437 36437 64236 43764 28976 49276
42897 73428 34563 92473 91242 17492 27491
183 77 00000

4519 kHz, 22-02, 1829 UTC

271 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946
19647 87484 25986 28546 59196 27324 59872 48247 28485 96176
87475 92763 83465 14592 56293 28983 29384 98329 21839 32874
93284 98324 59693 25932 15959 61893 26498 23128 96197 12387
13249 76324 76743 43656 87962 28763 54872 35812 54871 63248
64726 56295 91262 52864 52765 43532 47274 12636 32127 63163
47263 47623 76275 26543 76437 36437 64236 43764 28976 49276
42897 73428 34563 92473 91242 17492 27491
183 77 00000 271

Windows shutdown sound

4792 kHz, 23-02, 1930 UTC

436 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946
19647 87484 25986 28546 59196 27324 59872 48247 28485 96176
87475 92763 83465 14592 56293 28983 29384 98329 21839 32874
93284 98324 59693 25932 15959 61893 26498 23128 96197 12387
13249 76324 76743 43656 87962 28763 54872 35812 54871 63248
64726 56295 91262 52864 52765 43532 47274 12636 32127 63163
47263 47623 76275 26543 76437 36437 64236 43764 28976 49276
42897 73428 34563 92473 91242 17492 27491

183 77 00000 43

Windows shutdown sound

11487/9412 kHz, 04-02, 1000/1030 UTC *)

8116/6792 kHz, 04-02, 1700/1730 UTC

480 375 44

61188 95389 50048 29275 46166 33523 55941 82452 21222 19101

00621 22894 94543 02359 17202 33903 47724 14863 70931 67461

57923 15689 38290 64137 05660 12561 99127 26660 43262 00411

73746 95785 34200 61430 27548 96964 43742 38222 82233 19822

44229 96640 58228 64164

375 44 00000

9946/8095 kHz, 06-02, 0900/0930 UTC

343 189 20

94051 98593 02671 91033 03513 98189 52618 53260 40291 26205

92904 53682 27203 32529 29488 79685 63855 06507 33197 80891

189 20 00000

11487/9412 kHz, 06-02, 1000/1030 UTC

8116/6792 kHz, 06-02, 1700/1730 UTC

480 269 41

77479 03752 62892 95901 70394 16432 54239 60685 45440 93446

16377 82115 50637 57420 10276 03243 48730 41612 13948 73415

55663 25581 77890 31175 47907 42842 41314 59321 99407 13073

89496 01428 13748 38932 10878 44775 21692 07355 01994 73310

61447

269 41 00000

11487/9412 kHz, 11-02, 1000/1030 UTC

8116 kHz, 11-02, 1700 UTC

480 137 44

64950 21574 35374 12960 46909 92803 54055 87610 92227 73725

26084 47466 34377 10233 10401 79513 57755 49501 13643 28472

84385 02233 32666 02585 01921 66086 88729 54680 04965 79335

25984 41166 70541 92449 13303 85017 16590 36384 51092 13958

72436 47109 34818 96901

137 44 (no nulls at the end)

6792 kHz, 11-02, 1730 UTC

480 526 44

52066 01630 66200 57401 84853 00773 88198 03406 11905 45671

09335 66502 84676 22763 63948 35769 95824 79412 98651 94441

68080 27822 77305 23843 95883 08867 73626 67677 92924 75241

15470 32175 64478 75710 14096 73995 85328 87650 23576 55716

55206 60429 13963 73321

526 44 00000

11487/9412 kHz, 13-02, 1000/1030 UTC

8116/6792 kHz, 13-02, 1700/1730 UTC

480 526 44

52066 01630 66200 57401 84853 00773 88198 03406 11905 45671

09335 66502 84676 22763 63948 35769 95824 79412 98651 94441

68080 27822 77305 23843 95883 08867 73626 67677 92924 75241

15470 32175 64478 75710 14096 73995 85328 87650 23576 55716

55206 60429 13963 73321

526 44 00000

11487/9412 kHz, 18-02, 1000/1030 UTC

8116/6792 kHz, 18-02, 1700/1730 UTC

480 793 40

60191 55235 55110 92008 10140 45365 59541 89197 92539 64453
29592 99312 05121 16999 77299 80729 51842 18973 30942 57563
18917 65670 07835 69607 167737 44924 20307 49406 37855 77934
68300 25052 97700 01827 19382 93471 31816 00691 33721 03136
793 40 00000

11487/9412 kHz, 20-02, 1000/1030 UTC

8116/6792 kHz, 20-02, 1700/1730 UTC

480 652 40

25259 82385 32074 31883 76448 05336 74694 70217 45945 94752
96209 52957 46195 69442 67819 76785 19672 16034 48159 48597
34507 52090 24544 08172 34242 12897 44405 90742 88350 16349
13982 31355 28220 76863 98143 60279 90337 71635 06269 35975
652 40 00000

11487 kHz, 27-02, 1000 UTC. Transmitter problems. Started at 1005 UTC

480 081 45 26968 41395 62128 967 stops and restarts

480 962 45 081 45 26968 stops and restarts

480 962 45

26968 41395 63128 96786 40981 20337 35927 48027 34648 30416
98984 84605 62433 92695 18405 48811 46057 69549 98345 46084
51275 56631 32823 01662 61147 39116 81816 88102 52005 49441
82278 69397 10380 76271 14863 88731 73774 73536 63766 95243
28064 45881 72465 94685 14422
962 45 00000

9412 kHz, 27-02, 1030 UTC

8116/6792 kHz, 27-02, 1700/1730 UTC

480 962 45

26968 41395 63128 96786 40981 20337 35927 48027 34648 30416
98984 84605 62433 92695 18405 48811 46057 69549 98345 46084
51275 56631 32823 01662 61147 39116 81816 88102 52005 49441
82278 69397 10380 76271 14863 88731 73774 73536 63766 95243
28064 45881 72465 94685 14422
962 45 00000

***) New schedule.**

It sends on Sundays and Tuesdays at 1000z, 1030z, 1700z and 1730z.

The frequencies used for 1000z and 1030z seem to be reused next month for 1700z and 1730z.

The Tuesday transmission is not a repeat from the Sunday transmission, but a new message.

The schedule has been running for many years, the earliest log I have seen is from 2012. I can't find any logs of this station from May to Oct inclusive. A seasonal schedule?

The ID used (480) is also used in a Pacific schedule, but both follow different transmission times, frequencies and format (Pacific 480 always sends 50, 55 or 60-group messages while this one doesn't)

73s, qsr711

S06c

18749 kHz, 21-02, 1020 UTC 11087 (R4m)

16123 kHz, 21-02, 1030 UTC 11087 (R4m)

S06s

S06s oddities:

11535/11830 kHz, 07-02/14-02, 0830/0840 UTC

745 236 8 98539 43324 98306 33149 97660 58672 72400 67452 236 8 00000

The 464 transmissions in the background)

8812 kHz, 22-02, 0930 UTC

312 296 5 40244 36012 38323 47552 43630 stops

S11a

11486 kHz, 07-02, 1850 UTC

285/33 Vniamaniye

92009 04227 28261 41951 28367 85419 11082 66059 56775 01626

82252 39974 58069 97950 01277 13490 91160 78328 27607 62698

51042 05739 22453 25668 46478 91564 50260 90193 88515 24235

96576 12770 75158

Vniamaniye, rpt msg, konets

7840 kHz, 13-02/16-02, 1020 UTC

426/32 Vniamaniye

99295 80208 66728 58782 29834 08391 71394 42598 18677 36564

57235 72305 61927 42362 53406 57739 01129 08244 62021 34918

70550 28438 14015 80692 95500 18895 29939 46455 10759 27930

95949 23997

Vniamaniye, rpt msg, konets

5082 kHz, 14-02/18-02, 2050 UTC

482/35 Vniamaniye

63857 29667 29217 99007 64373 23386 82481 25906 39921 93698

07435 95204 12067 02573 52082 20703 41816 94654 78038 13987

25817 11230 33836 47552 59143 51326 29061 98960 11734 37603

49481 55611 12801 27426 79819

Vniamaniye, rpt msg, konets

10246 kHz, 20-02/22-02, 0735 UTC

389/39 Vniamaniye

40456 47448 23330 33907 42134 80487 83045 57212 80115 10938

03997 44197 38521 72758 39913 49351 06135 32745 37269 96721

01540 33106 58559 78121 30464 71614 79420 90049 22885 26298

84873 90206 18320 92068 83987 19591 36986 00617 95789

Vniamaniye, rpt msg, konets

10728 kHz, 21-02/24-02, 1540 UTC

564/32 Vniamaniye

80385 41198 19800 30892 57530 81983 03282 80623 58869 57550

89817 79074 53553 92440 93272 87406 21273 39941 56193 99130

54413 86540 09873 35640 50472 51490 58035 17114 23813 29914

60578 80382

Vniamaniye, rpt msg, konets

S28 - The Buzzer

Frequency: 4625 kHz USB. 02 and 13 Feb were logged by the Priyom team. Transcripts by Kalvados and Argonn.

02-02, 0026 UTC	ZhUOZ 82605 KADENCIJa 9880 0943
02-02, 0036 UTC	5274 76(?)78 VERTOLIST(?) 2103 2643
02-02, 0100 UTC	ZhUOZ 38337 ????? KRITONozh 7321 9650
02-02, 0107 UTC	ZhUOZ 98942 ??INSKI 4775 8925
02-02, 0208 UTC	ZhUOZ ????? ZAKLEIVANIE 9273 7692
13-02, 0804 UTC	701st Razhka Paramonov 88596 VYeKSHA 1760 8868. Marker off for a longer time
13-02, 0809 UTC	701st Razhka Paramonov 85348 GNYeTOHYeFT 6191 3430. Marker off for a longer time
13-02, 0812 UTC	701st Razhka Paramonov 71649 ZNACHYoK 1669 4535. Marker off for a longer time
13-02, 1031 UTC	701st Razhka Paramonov 93819 ZOTOPAPA 6479 2375
13-02, 1035 UTC	701st Razhka Paramonov 97023 ZDAN'Ye 8326 9314. Marker off for a longer time
13-02, 1041 UTC	701st Razhka Paramonov 24289 GRIMMYeR 6204 5060. Marker off for a longer time
19-02, 1151 UTC	ZhUOZ 62 299 KIEVOSHNEK 38 16 39 66
19-02, 1155 UTC	ZhUOZ 50 667 GNEVOMORG 52 21 52 09

V07

18174/15874/14374 kHz, 04-04, 0100/0120/0140 UTC

183 183 183 1 8116 53 8116 53
00262 77433 76825 68612 67956 89765 82926 32660 10152 69654
10406 62824 81783 14941 10730 69312 77900 00661 31616 35831
61565 55893 85360 81718 97096 23453 00545 59098 18832 03373
75155 48309 82214 14053 93163 29391 59146 04970 88856 92915
41336 04527 37527 52761 58411 97511 50133 71890 17531 58051
93450 29972 00271 000 000

V15 via PBS Pyongyang Pansong

PBS Pyongyang Pansong MW and HF frequencies

621, 657, 801, 855, 3250, 3320, 4450, 4557, 6400 kHz.

Time: 1330-1830 UTC.

The following comes from Amano via <http://radio.chobi.net/DX/SPYnumBBS> Thanks for your transcripts, Amano-san !

Hello! Ary, Philby, Poyfull and Hiroyuki.

I will summarize the analysis of V15 from Jan 25 to yesterday Feb 8 as follows.

Jan 25 Thu, 1615-1621 ** Rebroadcast of Jan 11

* <http://www.numbersoddities.nl/V15-2018-01-25-1615utc-3320khz.mp3>

- Always thank you for the recording, Ary!

Feb 03 Sat, 1515-1522 ** No. 21 explorer / Mechanical engineering review task (Report post)

* <http://radio.chobi.net/bbsasia/img/4125.mp3>

* Mechanical engineering is translated as "gigye gonghag" in Korean.

* Start page and the number : 423, #45

* End page and the number : 283, #75

* She reads 46 pages and numbers and repeats it twice.

In the opening announcement the word "Report post" was added.

- Thank you for following me, Poyfull!

The full text of the start announcement will be described below in Korean pronunciation and in English.

<p>*** Start announcement in Korean:</p> <p>"jigeumbuteo 21(i-ship il)ho tamsadaewondeul-eul-wihan wongyeog gyoyug daehag <bogogesimul> gigye gonghag bogseubgwa jeleul allyeod euligesseub nida." "munjeleul buleugesseub nida."</p>	<p>*** Start announcement, English translation:</p> <p>"From now on, I would like to inform you about the remote education college <report post> mechanical engineering review task for the 21th Exploration Team members." "Let's call the problem."</p>
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Feb 08 Thu, 1615-1620 ** No. 27 explorer / Mathematics review task

* <http://radio.chobi.net/bbsasia/img/4136.mp3>

- 657 kHz, received in Hokkaido, Japan.

* Mathematics is translated as "suhag" in Korean.

* Start page and the number : 480, #88

* End page and the number : 940, #07

* She reads 30 pages and numbers and repeats it twice.

There is no wording of "Report post" at this start announcement.

<p>*** Start announcement in Korean:</p> <p>"jigeumbuteo 27(i-ship chil)ho tamsadaewondeul-eul-wihan wongyeog gyoyug daehag suhag bogseubgwa jeleul allyeod euligesseub nida." "munjeleul buleugesseub nida."</p>	<p>*** Start announcement, English translation:</p> <p>"From now on, I would like to inform you about the remote education college mathematics review task for the 27th Exploration Team members." "Let's call the problem."</p>
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V28

See Logs Section

VC01 - Chinese Robot (Chinese Air Defense)

Token has put a VC01 video online. He say the following about it:

I put up a video today of Chinese oddity VC01, the Chinese Robot. There are lots of videos of VC01 on line, however this one shows a specific feature of VC01 that I have not seen other videos address. This is not new, VC01 has done it for years.

Occasionally you will hear VC01 make a noticeable change in its transmitted signal in mid transmission. The signal may abruptly change in signal strength, or it might shift frequency slightly, or maybe the transmitted bandwidth will change. It is easiest to notice when it does all 3 of these at the same time.

I have also noticed, using remote receivers, that sometimes a reduction in signal at my location correlates to an increase in signal at someplace else. Remember, this is not fading or conditions, it is instant, like throwing a switch.

It might make sense that they cycle through various antennas, and possibly transmission bearings, to insure coverage over a wider area. But to me, because of the sometimes associated frequency shifts and bandwidth changes, it clearly looks as if they are not only changing antennas, but maybe also changing transmitters.

This leads to a few questions in my mind. Could this be a distributed network of transmitters? If not distributed, why change transmitters but stay in the same mode on the same frequency?

Anyway, to the video. The video is made from recordings of two different receptions of VC01 at my location, more than a year apart. I have several other recordings showing similar activity, I just chose these two because the changes were fairly pronounced (many times it is harder to detect) and to show it was not a one time thing.

The cycle takes about 6 minutes to complete. Most of the time I have seen this it has taken about 6 minutes. To avoid a 40

minute video I have jumped ahead in time to show the changes and 10 seconds before and after each change.

The video is here:

https://www.youtube.com/watch?v=-3xY_V2-yL0

T!

MORSE STATIONS

M01

4490 kHz, 08-02, 2000 UTC. Errors

197 403 403 30 30 = =
83099 17614 26180 92221 88946 58401 42258 22505 96117 33027
72772 31745 61931 72211 50148 06444 41321 10060 82268 84045
71189 84045 471189 EEEEEEE 45045 47118 35295 28161 97383 10117
30022 10497 32393 94751 34439
= = 403 403 30 30 000

5465 kHz, 11-02, 0700 UTC

197 357/30 357/30
25321 37941 47027 73445 96985 85689 93177 60514 87090 52937
98783 81037 32112 91041 77561 18067 99508 55047 73544 70282
55753 94524 13911 89379 93056 18475 74162 73224 16255 96282
357/30 000

5320 kHz, 13-02, 1800 UTC

197 105 = 30 105 = 30
28626 52946 21695 80075 11756 45580 26283 08690 40628 58370
92373 12918 45971 17395 68872 62206 40157 61033 53895 71158
80673 46851 19888 14957 11926 28692 29184 59101 46043 28395
= = 105 = 30 = = 105 = 30 000

5465 kHz, 18-02, 0700 UTC

197 468/30 468/30
87433 22330 19059 96035 83173 85095 49328 30959 04713 58371
31844 32041 95087 57679 13516 64825 31512 73592 32875 03536
06924 11976 70402 22434 12193 88956 49444 39125 77883 85305
468/30 000

5320 kHz, 20-02, 1800 UTC

197 713 = 30 713 = 30
20573 10995 82792 80424 67023 56042 05976 75584 84959 37551
04326 14136 93306 97024 31573 16904 08037 10127 88206 14353
60063 09139 71930 41372 08315 00592 31375 24437 22204 09973
713 = 30 713 = 30 00000

5320 kHz, 22-02, 1800 UTC

197 421/30 421/30
39452 52938 68464 66911 42066 52676 20598 87117 26168 58785
02291 46204 16413 00256 48695 83915 81300 31124 79709 36013
84405 80437 34018 31415 88808 27974 23270 99696 29434 85499
421/30 000

5810 kHz, 24-02, 1500 UTC

197 715 715 30 30 = =

96654 42275 42884 97713 29292 74025 41028 01335 78221 86289
 38585 72796 49760 30318 86356 32751 69224 29940 86255 92385
 88373 98391 27367 51339 04487 93106 87117 75639 40542 29651
 = = 715 715 30 30 000

5465 kHz, 15-02, 0700 UTC

Running the groups together. Many mistakes in the repeats and otherwise.

197 407 407 30 30

13912 32843 76660 0 669105 (6691) 94040 (94090) 76785 28783
 49290 26549 65332 86628 89135 59011 58303 24588 73220 4671
 41794 48740 (4874) 04389 31452 (3145) 99352 (9352) 87042 (704)
 39649 (39973) 83973 (839) 84287 92806 (920) 704 703 74887 (75887)
 = = 407 407 30 30 000

5320 kHz, 27-02, 1800 UTC. Another odd transmission

197 42 EEEE 547 547 30 30 = =

96323 96323 89242 88942 12698 12698 26736 26736 46791 46791
 27729 27729 50929 50929 93668 93668 30968 39 1312 315
 428 282966 966 7082 782 35496 35496 38857 38857 59535 59535
 62505 62505 07773 07773 93059 93059 74696 74696 34440 34440
 19482 942 29507 297 9072940 80888 EEEE 908 07601 07601
 022205 02205 41154 41151 77492 77492 19778 19778
 = = 547 547 30 30 000

9566 kHz, 0715 UTC schedule report by Edd:

No parallel freq found, D.K/G.C./Groups repeated twice, no parallel frequency found, have searched at 0615/0715z and no repeat has been found. Took me time to find the target area – Northern Europe.

9566 kHz, 07-02, 0726 UTC

46756 53479 ... 34792 83749 497 50 = 0 0 0

9566 kHz, 08-02, 0715 UTC

475 497 50 = 82376 48723 76534 56786 87623 46756 5

Unable to read most of message. Message ended at the same place I found it IP Wednesday 07/02. I monitored for another five minutes with no more activity.

9566 kHz, 09-02, 0715 UTC: not heard**9566 kHz, 10-02, 0715 UTC**

475 497 50 = 82376 48712 0 0 0

Again due to poor propagation I was unable to read the message, however from what I could hear the transmission was peppered with some varying speeds and the occasional burst of a repeated letter.

Sunday 11-02 ?**Monday 12-02 ?****9566 kHz, 13-02, 0715 UTC: not heard****9566 kHz, 14-02, 0715 UTC**

475 505 50 = 93474 65655 37878 76867 0 0 0

9566 kHz, 15-02, 0715 UTC

475 505 50 = 93474 65655 37878 7686 0 0 0

M01a

M01a report by Edd Smith

It wasn't until I made a spreadsheet after Christmas of all my M01a logs of 2017/18 was I easily able to see days and times of transmissions, and that they transmit fifty minutes after each other. Then searching every ten minutes on Monday to Saturday from 0500 – 0745 have I found others. It has taken time to discover transmissions, adding new ones as I've found them, and although I do keep a written M01a log including NRH's dating back to the beginning of January, I've only been typing them for the past fortnight, and I apologise for this and all subsequent posted logs will include them. The rule for my logs below prior to the past fortnight is (from the first time I log a freq/time) if it isn't repeated the next week it didn't transmit, unless I've put a note in saying I missed it.

I've never found anything on a Monday or Saturday and rarely search them anymore, however that of course doesn't mean there isn't activity. Sundays I sleep in so I've no idea.

M01a Schedule - as of Wednesday 28 Feb 2018	MON: Not heard	
Note: Not all days will transmit, and not all times will transmit on given day, however Tuesday is the most consistently regular day for transmitting.	TUE: 0530z. 9411 kHz	Moscow/Silec.
	0620z. 10233 kHz	Enschede/Italy.
	0630z. 9447 kHz	Enschede/Italy.
	0710z. 10651 kHz	Enschede/Italy.
	0720z. 9151 kHz	Enschede/Italy.
Each transmission is best received in either Western or Eastern Europe. If you look at the schedule, I've given a guide to which Tuner [or a Tuner in that area] will give the best reception - depending on propagation.	WED: 0530z. 9129 kHz	Moscow.
	0620z. 9421kHz	Moscow.
	0710z. 9175 kHz	Enschede/Italy.
Friday transmissions are rare. It repeats Tuesdays times and frequencies, however monitoring them all and searching every Friday I've only ever found traffic on those three times and frequencies as of now.	THU: 0540z. 7692kHz	Moscow/Silec.
	0630z. 8111 kHz	Enschede/Italy.
If a time/freq doesn't transmit, I'll search for another frequency, but I have yet to find any others.	FRI: 0620z 10233 kHz	Enschede/Italy.
	0630z. 9447kHz	Enschede/Italy.
	0710z. 10651 kHz	Enschede/Italy.
I welcome any input or questions.	SAT: Not heard	
	SUN: ???	

M01a. 10233 kHz, 0619z 29/12

354 (x3) 75955 (x2) (Rx12) Stops during thirteenth repeat.
75955

354 (x3) 76800 (x2) (Rx4) Stops during fifth repeat.

354 (x3) 76800 (x2) (Rx5) Stops during sixth repeat.

M01a. 10651 kHz, 0710z 29/12

297 (x3) 35916 (x2) (Rx7) Stops during eighth repeat.

297 (x3) 36140 (x2) (Rx10) Stops during eleventh repeat.

M01a. 10233 kHz, 0619z 02/01

354 (x3) 78505 (x2) (Rx12) Stops during thirteenth repeat.

354 (x3) 79326 (x2) (Rx10) Stops during eleventh repeat.

354 (x3)

M01a. 10651 kHz, 0710z 02/01

297 (x3) 38180 (x2) (Rx12) Stops during thirteenth repeat.

297 (x3) 39318 (x2) (Rx8) Stops during ninth repeat.

498 (x3) 53173 (x2) (Rx14)
498 (x3) 52482 (x2) (Rx14)

751 (x3) 96894 (x2) (Rx4) – Stops during fifth repeat.
751 (x3) 97919 (x2) (Rx10)

354 (x3) 78505 (x2) (Rx8)
354 (x3) 79326 (x2) (Rx11)
354 (x3)

297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat.
297 (x3) 39318 (x2) (Rx9) Stops during tenth repeat.

46333 46333 7...

135 (x3) 60479 (x2) (Rx14)
111 0 0 0

146 (x3) 45623 (x2) (Rx6)
U 1 UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU

751 (x3) 96894 (x2) (Rx11) Stops during twelfth repeat.
 751 (x3) 97919 (x2) (Rx9)
 111 999
 00027 00030 27890 40630 41199 65801 45639 96430 77776 91857
 91820 90591 84879 76831 80078 66173 88480 68239 33310 51934
 23532 51068 37695 87510 54308 65158 57122 39436 28399 07680
 63525 58185 00030 00027 00000 = 027 35 0 0 0

354 (x3) 78505 (x2) (Rx13) Stops during fourteenth repeat.
354 (x3) 79326 (x2) (Rx11)
354 (x2)

Message omitted due to QSB fading.

```

143 (x3) 81996 (x2) (Rx4) Stops during fifth repeat.
111 999
00028 00030 ..... 00030 00028 00000 = 028 35
0 0 0

```

297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.
 297 (x3) 39318 (x2) (Rx5) Stops during sixth repeat.
 111 999
 00029 00030 04787 76924 22589 00524 35040 09045 84074 74276
 61830 93276 82397 51875 45142 63980 55460 67484 29778 62949
 68674 05894 07145 12273 99286 04xx0 99976 58437 84610 14342
 65103 02703 00030 00029 00000 = 029 35 0 0 0

M01a. 9129 kHz, 0530z 17/01

498 (x3) 53173 (x2) (Repeated)
498 (x3) 52482 (x2) (Repeated)
498 (x3) 51166 (x2) (Repeated)
498 (x3) 53067 (x2) (Repeated)

M01a. 9421 kHz, 0620z 17/01

Unable to read five fig groups.
135 (x3) xxxxx (x2) (Repeated)

Spacing was very bad and mistakes were consistent throughout.

M01a. 7692 kHz, 0543z 18/01 (IP)

536 (Repeated) 49869 (Repeated)

M01a. 8111 kHz, 0630z 18/01

902 (x2) 34050 (x2) (Rx9)
902 (x2) 35260 (x2) (Rx9)

M01a. 9411 kHz, 0532z 23/01 (IP)

751 (x3) 96894 (x2) (Repeated).
111 999
00030 00030 39070 06784 40191 81491 79x14 42849 39836 05404
84403 80749 83875 44938 x8791 69809 29399 97963 06683 35720
73872 13395 32483 59267 56317 95289 28205 x1002 53623 97514
28282 99919 00030 00030 00000 = 030 35
0 0 0

M01a. 10233 kHz, 0620z 23/01

354 (x3) 78505 (x2) (Rx13) – Stops during fourteenth repeat.
354 (x3) 79326 (x2) (Rx12) – Stops during thirteenth repeat.
354 (x3) 77629 (x2) (Rx2)
354 (x3)

Message has been omitted as it was unreadable due to another operator keying on the same freq.

M01a. 9447 kHz, 0629z 23/01

143 (x3) 88058 (x2) (Rx8) – Stops during ninth repeat.
143 (x3) 81996 (x2) (Rx3)
111 999
00031 00030 00563 63212 57527 00030 00031 00000 = 031 35
0 0 0

M01a. 10651 kHz, 0710z 23/01

297 (x3) 38180 (x2) (Rx10) - Stops during eleventh repeat.
297 (x3) 39318 (x2) (Rx9) - Stops during tenth repeat.

M01a. 9151 kHz, 0718z 23/01

728 (x3) 43504 (x2) (Rx11) - Stops during twelfth repeat.
728 (x3) 46444 (x2) (Rx2) - Stops during third repeat.
111 999
00032 00030 28596 94882 50721 17043 02399 61554 50201 99897
06980 01715 33962 02380 83226 31712 54962 97590 22320 54502
70893 44618 98205 61410 45497 54426 69748 20402 29261 72315
57106 07249 00030 00032 00000 = 032 35
0 0 0

M01a. 9129 kHz, 0530z 24/01

498 (x3) 53173 (x3) (Rx8) – Stop during ninth repeat.
111 999

M01a. 9421 kHz, 0620z 24/01

135 (x3) 60479 (x3) (Repeated)

NB. Ended with what sounded like equipment failure, a few crackled dots and dashes.

M01a. 9175 kHz, 0710z 24/01

146 (x3) 45623 (x2) (Rx7)
111 0 0 0

M01a. 8111 kHz, 0633z 25/01

536 (x3) 32330 (x2) = (Rx5)

Late to this transmission.

M01a. 9411 kHz, 0537z 30/01 (IP)

69262 55303 16433 66268 20284 42933 89216 48108 71736 09525
36856 41935 21464 22362 35628 42897 54351 09314 85823 47573
03085 84084 00030 00033 00000 = 033 35

M01a. 10233 kHz, 0620z 30/01

354 (x3) 78505 (x2) (Rx3) Stops during forth repeat.
111 999
00034 00030 15745 64561 45951 28519 58391 362x8 48334 09058
40337 66619 59808 15732 50213 91519 35989 86747 61661 50745
19760 37488 33643 72949 62051 42136 66742 89147 27283 55569
42379 41174 00030 00034 00000 = 034 35

Missed 9447 kHz, 0630z 30/01 Tue Transmission.

M01a. 10651 kHz, 0710z 30/01

297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat.
111 999
00035 00030 83121 45054 80792 12689 54329 40458 56380 53570
16197 32910 98642 68526 50290 44303 63174 92605 61356 81435
08549 69511 97606 11892 36391 97462 16293 27470 76039 64054
28289 57615 00030 00035 00000 = 035 35
0 0 0

Missed 9151 kHz, 0730z 30/01 Tue Transmission.

M01a. 9129 kHz, 0530z 31/01

498 (x3) 53173 (x2) (Rx14)
498 (x3) 52482 (x2) (Rx14)
498 (x3) 51166 (x2) (Rx13)
498 (x3) 53067 (x2) (Rx13) Stops during fourteenth repeat.

M01a. 9421 kHz, 0622z 31/01 (IP)

135 (x3) 60479 (x2) (Rx11)
135 (x3) 69788 (x2) (Rx8) Stops during ninth repeat. Ends with J.

M01a. 9175 kHz, 0710z 31/01

146 (x3) 60479 (x2) (Rx19)
146 (x3) 69788 (x2) (Rx13)
146 (x3) 68462 (x2) (Rx6)
333 333

THU 01/03 Not heard

FRI 02/03 Not heard

M01a. 9411 kHz, 0530z 06/02

751 (x3) 96894 (x2) (Rx4) Stops at the beginning of the fifth repeat.
111 999
30 11681 94833 26277 31309 56613 57469 99257 54340 68606
55915 88179 52710 80928 87213 40232 08899 39876 74067 06718
51803 14537 73854 91498 09437 13487 26828 34489 46523 93633
66209 00030 00036 00000 = 036 35
0 0 0

M01a. 10233 kHz, 0620z 06/02

354 (x3) 78505 (x2) (Rx7) Stops at the beginning of the eighth repeat.
354 (x3) 79326 (x2) (Rx2) Stops during third repeat.
111 999
00037 00030 03754 49000 55889 46496 16795 75492 01709 16026
37138 27668 28629 41782 91463 59951 70183 12378 32806 86774
16754 22310 78008 61010 14214 81078 79666 09162 13333 31642
67790 39269 00030 00037 00000 = 037 35
0 0 0

M01a. 9447 kHz, 0630z 06/02 Tuesday – Not heard .

M01a. 10651 kHz, 0710z 06/02

297 (x3) 38180 (x2) (Rx3) Ends with ?
297 (x3) 39318 (x2) (Rx2)
111 999
00038 00030 94173 70569 74238 41175 37569 17879 49666 95663
54999 74083 83259 26826 07585 17296 57246 13213 81606 74367
96646 17338 10536 46980 28109 87333 22188 99734 56630 29639
67807 98721 00030 00038 00000 = 038 35
0 0 0

M01a. 9151 kHz, 0720z 06/02 Tuesday – Not heard

M01a. 9129 kHz, 0530z 07/02

498 (x3) 53173 (x2) (Rx16)
498 (x3) 52482 (x2) (Rx7) Stops during eighth repeat.
498 (x3) 51166 (x2) (Rx4) Stops during fifth repeat.

M01a. 9421 kHz, 0620z 07/02 Wednesday – Not heard

M01a. 9175 kHz, 0711z 07/02

146 (x2) 45623 (x2)
146 (x3) 44932 (x2) (Rx2)
146 (x3) 45623 (x2) (Rx7)
146 (x3) 44932 (x2) (Rx5)

THU 08/02 Not heard

M01a. 9411 kHz, 0530z 09/02 Friday – Not heard

10233 kHz, I.D. change from 354 to 458.

Group 75955/76800 last logged by myself on Friday 29/12/17.

M01a. 10233 kHz, 0633z 09/02 (IP)

458 (x3) 75955 (x2) (Rx3) Stops during forth repeat.

458 (x3) 76800 (x2) (Rx12) Stops during thirteenth repeat.

Late to transmission.

9447 kHz, I.D. change from 143 to 796.

First logging of Group: 80882.

M01a. 9447 kHz, 0632z 09/02 (IP)

796 (x3) 80882 (x2) (Rx10) Stops during eleventh repeat.

000 000 000

M01a. 10651 kHz, 0710z 09/02

Several test tones (dots and dashes) were sent by the Operator prior to the transmission time as is standard, but no traffic was sent.

M01a. 9151 kHz, 0730z 09/02 Friday – Not heard

M01a. 9411 kHz, 0530z 13/02

751 (x3) 96894 (x2) (Rx9) Stops during tenth repeat.

751 (x3) 97919 (x2) (Rx2) Stops during third repeat.

111 999

00039 00030 48878 80587 78037 29373 49269 67887 14714 79457

42745 58708 04742 61961 80661 05360 20407 07597 39325 78697

87765 88314 36786 40399 25057 54843 52320 82816 47217 05737

85402 15611 00030 00039 00000 = 039 35

0 0 0

M01a. 10233 kHz, 0620z 13/02

354 (x3) 78505 (x2) (Rx11) Stops during twelfth repeat.

354 (x3) 79326 (x2) (Rx3) Stops during fourth repeat.

354 (x3) 79326 (x2) (Rx2) Stops during third repeat.

111 999

00040 00030 57442 73978 08331 97673 98757 85058 92557 03290

22985 27584 89376 25242 05580 48587 60178 71829 22079 61685

89039 39787 66083 07681 71370 44202 98324 25515 38256 75544

61719 75515 00030 00040 00000 = 040 35

0 0 0

M01a. 9447 kHz, 0630z 13/02 Tuesday – Not heard

M01a. 10651 kHz, 0710z 13/02

297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.

297 (x3) 39318 (x2) (Rx2) Stops during third repeat.

M01. 9566 kHz, 0715z 13/02 Tuesday – Not heard

M01a. 9151 kHz, 0717z 13/02 (I.P.) started early

728 (x2) 43504 (x2) Stops during second repeat.

111 999

00041 00030 21615 58462 57339 62455 82382 75652 90651 12979

32868 72029 52192 38715 02560 79287 32110 91505 47768 91893

41799 78827 75199 30282 73061 85276 73752 64376 24435 58677

84200 39758 00030 00041 00000 = 041 35

0 0 0

M01a. 9129 kHz, 0530z 14/02 Wednesday – Not heard

M01a. 9421 kHz, 0620z 14/02

135 (x3) 53173 (x2) (Rx15)

135 (x3) 52482 (x2) (Rx8)

111 0 0 0

M01a. 9175 kHz, 0709z 14/02

146 (x3) 45623 (x2) (Rx6)

111 0 0 0

M01a. 7692 kHz, 0540z 15/02 Thursday – Not heard

M01a. 8111 kHz, 0630z 15/02 Thursday – Not heard

M01a. 10233 kHz, 0620z 15/02 Friday – Not heard

M01a. 9447 kHz, 0630z 15/02 Friday – Not heard

M01a. 10651 kHz, 0710z 15/02 Friday – Not heard

M01a. 9411 kHz, 0530z 20/02 Tuesday – Not heard

M01a. 10233 kHz, 0620z 20/02

354 (x3) 78505 (x2) (Rx13) Stops during fourteenth repeat.

354 (x3) 79326 (x2) (Rx11) Stops during twelfth repeat.

M01a. 9447 kHz, 0629z 20/02

143 (x3) 88058 (x2) (Rx10) Stops during eleventh repeat.

143 (x3) 81996 (x2) (Rx10) Stops during eleventh repeat.

M01a. 10651 kHz, 0710z 20/02

297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.

297 (x3) 39318 (x2) (Rx9) Stops during tenth repeat.

M01a. 9151 kHz, 0718z 20/02

728 (x3) 43504 (x2) (Rx11) Stops during twelfth repeat.

728 (x3) 46444 (x2) (Rx10) Stops during eleventh repeat.

M01a. 9129 kHz, 0528z 21/02

498 (x3) 53173 (x2) (Rx3) Stops during fourth repeat.

11111 11111 00

111 111 0 0 0

M01a. 9421 kHz, 0620z 21/02

135 (x3) 60479 (x2) (Rx2) Stops during third repeat.

111 111 0 0 0

M01a. 9175 kHz, 0710z 21/02

146 (x3) 45623 (x2) (Rx2) Stops during third repeat.

111 111 0 0 0

M01a. 7692 kHz, 0540z 22/02 Thursday – Not heard

M01a. 8111 kHz, 0630z 22/02 Thursday – Not heard

M01a. 9411 kHz, 0530z 23/02 Friday – Not heard

M01a. 10233 kHz, 0620z 23/02 Friday – Not heard

M01a. 9447 kHz, 0630z 23/02 Friday – Not heard

M01a. 10651 kHz, 0710z 23/02 Friday – Not heard

M01a. 9151 kHz, 0720z 23/02 Friday – Not heard

M01a. 9411 kHz, 0530z 27/02

751 (x3) 96894 (x2) (Rx2) Stops during third repeat.

111 999

00042 00030 60999 49440 69333 52797 18680 49570 83072 1245x

4xx06 3526 8x564 51420 41460 87425 39821 77870 57404 87749

78236 32676 10715 08298 24586 97361 46279 80367 27011 52171

90750 36765 00030 00042 00000 = 042 35 0 0 0

M01a. 10233 kHz, 0620z 27/02

354 (x3) 78505 (x2) (Repeated)
354 (x3) 79326 (x2) (Rx2) Stops during third repeat.
111 999
00043 00030 56890 19685 5x675 77785 29045 015xx x2014 24384
863xx 94282 92399 91067 59172 50680 09666 15255 64825 71799
66176 35625 62450 26762 33837 42013 97004 66148 7xx17 36602
05788 42243 00030 00043 00000 = 043 35 0 0 0

M01a. 9447 kHz, 0630z 27/02 Tuesday – Not heard**M01a. 10651 kHz, 0710z 28/02**

297 (x3) 38180 (x2) (Rx2)
111 999
00044 00030 29664 49470 85760 81843 66188 02974 59625 08666
67365 54841 10721 74561 13275 90456 24570 03689 71164 25091
21548 24081 72542 57547 63970 52551 99264 38059 14199 5660x
38446 69x37 00030 00044 00000 = 04

M01a. 9151 kHz, 0720z 27/02 Tuesday – Not heard**M01a. 9129 kHz, 0530z 28/02**

498 (x3) 52482 (x2) (Rx2)
498 (x3) 52482 (x2) (Rx2)
498 (x3) 52482 (x2)
Test Tone.
498 (x3) 51166 (x2) (Rx2)
498 (x3) 51166 (x2)
51166

M01a. 9421 kHz, 0620z 28/02

135 (x3) 60479 (x2) (Rx14) Stops during fifteenth repeat.
135 (x3) 69788 (x2) (Rx9)
135 (x3) 68462 (x2) (Rx4) Stops during fifth repeat.

M01a. 9175 kHz, 0710z 28/02

146 (x3) 45623 (x2) (Rx19)
146 (x3) 44932 (x2) (Rx7)
146 (x3) 43616 (x2) (Rx3) Stops during fourth repeat.

**M01a training transmissions
report by Edd Smith****Notes:**

- Six Dots - Prosign for Mistake (instead of eight).
- 111 Information complete/sent? - also sometimes seen on end of scheduled sending of traffic before zeros.
- 333 Change of information to be sent.
- 999 Message to be sent.
- Spacing is hard with M01a Training due to the regular mistakes and constant irregular pauses, as with M01a it sounds like the information is changing whilst being sent and the Operator must react accordingly.
- I generally group the digits as they are meant to be received [uniformly], omitting much of the spacing between them to give a clearer picture of the intent.
- As you can imagine with the training of inexperienced Operators the pausing and mistakes are perpetual.
- I space time between traffic like this: A gap between lines is anything from a few seconds to a minute. Three dots represents anything over a minute, and anything over five minutes is timed - however I will also put a space between changes in the information being sent - again to give a clearer view of intent.

Training transmissions.

In chronological order of time found in progress.

M01a. 4029 kHz, 0946z 16/01 (IP)

20 10 12
11 333 00
0 40 02
60 960 160 0 20 182 1
1 1 0 20 1821
...
333 0 1
0 20 020 5
0 8 0 (x2)
6 0 9 (x2)
6 0 9 (Repeated x3mins)
1 0 0 0
111 0 0 0

Transmitting on parallel frequencies.

Poor Voltage regulation/Chirp.

M01a. 3881//5929 kHz, 1011z 16/01 (IP)

695 (x3) 27579 (x2) (Rx3) Stops during forth repeat.
111
111 999
105 5555 105 30 = 74912 31473 03657 97910 46169 71603 96430 87584
75263 89582 66167 61033 52957 55489 56930 18871 84069 41805 56147
65745 23414 46745 67987 45674 34632 54645 35685 36564 65656 68676 = 105 30
0 0 0

M01a. 3881//5929 kHz, 1224z 16/01 (IP)

695 (x3) 27763 (x2) (Rx7)
...
695 (x3) 26680 (x2) (Rx2)
695 (x2)
Hand down/Test tones.
111
...
111 999
108 20 = 13469 14303 03346 51443 66177 66280 23667 94x11 48931 78130
79912 31473 78431 37920 36169 65239 59652 77852 28546 94521 = 108 20
0 0 0

M01a. 3881//5929 kHz, 1412z 16/01 (IP)

695 (x3) 26809 (x2) (Rx2)
111 999
Unable to read message.
110 20 = 23412 = 110 20 000

Three Ops keying I.D's on same Frequency.

M01a. 5365 kHz, 1031z 16/01 (IP)

677
470
569

Both I.D's and groups were repeated and arbitrary number of times with some mistakes.

M01a. 4705 kHz, 1039z 16/01 (IP)

381 (Rx) 36183 (Rx) (Rx2)

...

381 (Rx) 36194 (Rx) (Rx6)

381 (Rx) 36104 (Rx3) Stops during forth repeat.

111 0 0 0

Poor Voltage regulation/Chirp.

Unable to read, monitored for a minute then left frequency.

M01a. 3906 kHz, 1119z 16/01 (IP)

Sample - 111 999

M01a. 3881//5929 kHz, 1519z 16/01 (IP)

...09403 = 112 20 0 0 0

111 – *Unable to read onwards.*

M01a. 4602 kHz, 1120z 16/01 (IP)

851 (x3) 93120 (x2) (Rx5)

851 (x3)

851 (x3) 92813 (x2) (Rx2)

0 4001

111 000

111 000

M01a. 4602 kHz, 1427z 16/01 (IP)

** Keys six dots.*

475 (x3) 92*

851 (x3) 92

851

851(x2)

040 01

851 (x3) 333 92593 92593

92593 851

333 01

333 01

111 999

343 0* 343 20 =

44716 19146 55609 23771 49236 52995 96548 61110 21007 12286

57678 81138 70335 85271 19130 45752 24369 82220 82925 69840

= 343 20 0 0 0

...

455 (x3) 55188

455 (x3)

333 0 4

6

333 04

4

Test tone.

Both I.D's and groups were repeated and arbitrary number of times with mistakes.

M01a. 4835 kHz, 1242z 16/01 (IP)

32696

111 0 0 0

M01a. 4835 kHz, 1351z 16/01 (IP)

969 (Rx) 60439 (Rx) (Rx2)

111 999

2 1 6

2

9 9 9

20 = 36042 10113 29595 85524 62096 22412 15300 41104 59310

96216 57482 18204 79900 4132x 64402 51735 70772 86929 81852

78233 = 216 20 0 0 0

Poor Voltage regulation/Chirp.

M01a. 4659 kHz, 1253z 16/01 (IP)

740 (x3) 56956 (x2) (Rx4)

11 0 0 0

Both I.D. and groups were repeated and arbitrary number of times with mistakes.

M01a. 4503 kHz, 1339z 16/01 (IP)

952 (Rx) 19494 (Rx) (Rx2)

952 (Rx) 19415 (Rx) (Rx5)

335

952

952 (Rx) 10254 (Rx) (Rx5)

952 (Rx) 10895 (Rx) (Rx6)

952 (Rx) 10659 (Rx) (Rx3)

M01a. 4764 kHz, 1014z 17/01 (IP)

...489 23296 32365 78956 39413 92495 13789 66213 75009 84841

95927 80175 26262 93101 45896 88426 84976 = 453 20 0 0 0

Test tone.

M01a. 4764 kHz, 1017z 17/01 (IP)

Poor Voltage regulation/Chirp.

Did not monitor 5929 kHz, [Parallel Freq 16/01].

M01a. 3881 kHz, 1017z 17/01 (IP)

695 (x3) 26423 (x2) (Rx8)

111 999

126 20 = 982x0 55466 64169 13091 94839 13469 14303 02569 91443

67117 65480 13667 94511 78931 91130 96123 79103 97407 67483 77461

=126 20 0 0 0

M01a. 3881 kHz, 1119z 17/01 (IP)

Single key of 168.

M01a. 4943 kHz, 1021z 17/01 (IP)

Equipment testing, number of operators unknown, some sets with chirp some without. Operators test keying I.D's on and off for over an hour and occasionally overlapping.

Below is a good example of 333 being used, which signals an amendment is going to be sent.

111 333 14 69723 - fourteenth group resent. Below that the twelfth group – then the whole message.

** Keys six dots.*

M01a. 4529 kHz, 1035z 17/01 (IP)

79087 77505 1**2360 77939 / 349 20 0 0 0

333

111 333

349 1* 20 / 76223 81160 23184 54192 31986 42048 79288 77393 10851

50016 83435 666*5*6 615 96472 **46972 3** 15127 68227 79087 77505 23607

77939 / 349 20 0 0 0

333

333

111 333 14

69723

111 333 12

66159

111 333 349 20 / 76123 81160 23184 231 ** 541 92 31986 41*420 4879288

77393 10851 50016 83435 66159 64724 69723 15127 68227 79087 77505

13607 77939 / 349 20 0 0 0

Poor Voltage regulation/Chirp.

M01a. 5955 kHz, 1042z 17/01 (IP)

168 (x3) 18005 (x2) (Rx6)

168 (x3) 16510 (x2) (Rx9)

M01a. 5955 kHz, 1110z 17/01 (IP)

168 (x3) 16098 (x2) (Rx12)

168 (x3) 16593 (x2) (Rx9)

168 (x3) 15093 (x2) (Rx7)

...

168 (x3) 15093 (x2)

168 (x3) 15098 333 15093 15093

168 (x3) 15093 (x2) (Rx2)

168 (x3) 15093 (x2)

M01a. 4503 kHz, 1135z 17/01 (IP)

952 (x4)

333 05

111 999

366 20 / 78082 80693 98487 19998 91503 80407 34117 18457 82335 78651

70353 289*1840 92736 45553 3851 96570 88 91229 51751 90984 11685 / 366 20 0 0 0

111 333

366 20 / 78082 80693 98487 19998 91503 80407 341147 18457 82335 78651

70353 28409 27365 55533 85196 57088 91229 51751 90984 11685 / 366 20 0 0 0

M01a. 4503 kHz, 1147z 17/01 (IP)

There then followed a continuous tone lasting 28 minutes. I have heard this on the other transmitting frequencies but do not know its purpose or if it is even the operator.

M01a. 4503 kHz, 1214z 17/01 (IP)

952 (x3) 10496 (x2) (Rx2) Stops during second repeat.

333 03

111 333 04

111 999

749 20 = 92163 58650 22655 68042 5xx52 93467 10663 36629 71476 40646

44410 34063 15614 54500 94324 85785 69522 39547 31049 = 749 20 0 0 0

M01a. 4692 kHz, 1136z 17/01 (IP)

623 74911 = 129 20 0 0 0

Poor Voltage regulation/Chirp.

M01a. 5347 kHz, 1141z 17/01 (IP)

= 702 10 0 0 0

151

111

M01a. 5018 kHz, 1142z 17/01 (IP)

94135 74804 15189 46106 79841 08470 46131 08674 56298 = 957 10

111 999

M01a. 4602 kHz, 1148z 17/01 (IP)

15489 16118 41219 86185 19503 85646 25243 23045 27998 12795 82469 68914

15479 44562 45572 93657 81493 62778 42284 / 468 20 0 0 0

Continuous tone for three and a half minutes.

M01a. 5432 kHz, 1157z 17/01 (IP)

251/876/470 – Three I.D.'s keying over each other.

M01a. 5432 kHz, 1245z 17/01 (IP)

569 Repeated.

M01a. 4598 kHz, 1254z 17/01 (IP)

832 (Repeated) 30937 (Repeated)

M01a. 4598 kHz, 1341z 17/01 (IP)

832 (x3) 30395 (x2) (Rx4) – (Second repeat is keyed over by another Op). Stops during fifth repeat.

832 (x3) 30225 (x2)

832 (x3) 30395 (x2) (Rx5) Stops during sixth repeat.

832 (x3) 30478 (x2) (Rx6)

111

111

333 30920 30920 (x12)

832 (x2) 32 333 39220 39220

832 (x2) 333

111

333 00

111 0 0 0

Both I.D. and groups were repeated and arbitrary number of times with mistakes.

M01a. 4926 kHz, 1339z 17/01 (IP)

956 (Repeated) 86477 (Repeated)

956 (Repeated) 86392 (Repeated)

956 (Repeated) 86477 (Repeated)

956 (Repeated) 86392 (Repeated)

956 (Repeated) 86632 (Repeated)

111 999

494 20 = 23456 34879 95464 32134 25351 87683 15456 78761 53279 34258

14517 52346 63467 67562 45363 45363 56745 78568 36378 26476 = 494 20 0 0 0

333

M01a. 4699 kHz, 1029z 18/01 (IP)

= 138 10 0 0 0

1x 333

111 333 138 10 = 14508 01556 42042 57732 95273 71274 59634 19194 31

No more activity.

M01a. 4598 kHz, 1029z 18/01 (IP)

661 (x3) 93594

111 999

140 10 = 81197 56302 86822 55462 32957 48369 99611 95207 01301 10074 = 140 10 0 0 0

M01a. 4598 kHz, 1247z 18/01 (IP)

436 (x3) 39098 (x2) (Rx2) – Stops during third repeat.

111 999

141 10 = 86789 35015 66169 79713 60648 04238 78852 94504 69734 19453 = 141 10 0 0 0

Poor Voltage regulation/Chirp.

M01a. 4297 kHz, 1409z 26/01 (IP)

65 27665 27665 2

111 0 0 0

There are three of intervals noted in my logs where due to my P.C. a few minutes of recordings were lost.

Training. In chronological order of time found in progress.

* = Six Dots.

M01a. 5523 kHz, 1012z 12/02 (IP)

735 33 111

333 73201 73201 (x2)

333 72831 72831 (x14) 333 721** 72831

174 (x3) 72841 (x2) Stops during second repeat.

111

Exact twenty second pauses between each 333 group.

333 00

333 01

333 02

333 04 (x2)

333 03 (x3)

333 04

333 05 (x2)

111 73559 73559 (x3) Stops during fourth sending.

111 0 0 0

Poor Voltage regulation/Chirp.

M01a. 4607 kHz, 0958z 13/02 (IP)

111

111 999

527 10 = 44646 74822 45631 52737 74317 43769 07261 43451 06487 56701 = 527 10 0 0 0

M01a. 4607 kHz, 1047z 13/02 (IP)

293 (x3) 80079 (x2) (Rx5)

111

111 999

529 10 = 28678 31779 98741 45196 31034 03284 43170 14273 18419 69734 = 529 10 0 0 0

M01a. 4607 kHz, 1259z 13/02

Radio Equipment/Chirp fixed.

293 (x3) 81877 (x2) (Rx2)

111

333 111

Lost a minute of recording.

47990 08555 23866 = 206 10 0 0 0

M01a. 4607 kHz, 1350z 13/02

293 (x3) 81857 (x2) Stops during second repeat.

333 80957 80957 (x3) Thirty to forty seconds between each sending.

333 89568 89568 (x2)

333 89568 89568

333 89568 895

111

333 0 0

333 0 0

111 999

208 10 = 28443 38665 51428 03923 59218 74311 35961 26466 60802 71169 = 208 10 0 0 0

M01a. 4607 kHz, 1458z 13/02

293 (x3) 89598 (x2) Stops during second repeat.

111

333 0 0

111 999

210 10 = 24494 15491 32870 86724 89365

111 999

111 999

Three minutes of recording lost.

M01a. 4607 kHz, 1557z 13/02 (IP)

88588

293 (x3) 88588 (x2) (Rx6)

M01a. 4745 kHz, 0941z 13/02 (IP)

01556 83571 33025 71843 22878 71674 64158 98231 16933 50764

95963 53952 47530 60628 12021 63350 67184 = 311 30

0 0 0

M01a. 4745 kHz, 1038z 13/02

459 (x3) 91403 (x2) (Rx2)

111

111 999

312 30 = 01256 86822 62478 56430 10125 53885 35076 19840 31202

78852 25745 24597 18841 53928 86617 43043 08455 50788 86340 80430

60475 49858 60648 90399 85754 58885 88976 75078 91683 = 312 30 0 0 0

M01a. 4745 kHz, 1114z 13/02

459 (x2) 91321 (x2) (Rx2) Stops during third repeat.

45

459 (x3) 91321 (x2)

M01a. 4745 kHz, 1143z 13/02

111 999

11

313 30 = 40672 95748 25252 30145 97746 31700 12748 04752 95145

71550 92331 15561 71792 16943 31000 40130 4010 12769 55326 64031

88525 77463 55612 97378 32259 42601 20498 42714 87343 87343 16539 = 313 30 0 0 0

M01a. 4745 kHz, 1238z 13/02

459 (x3) 91421 (x2) (Rx2) Stops during third repeat.

111

Lost a minute of recording.

40672 95748 25252 30145 97746 31700 12748 04752 95145 71550 92331

15561 71792 16943 31000 40130 12769 55426 64041 88525 77463 55612

97378 32259 42601 20498 42714 87343 87343 16539 12530 = 0 0 0

M01a. 4614 kHz, 0941z 13/02 (IP)

111 0 0 0

M01a. 4614 kHz, 0949z 13/02

513 (x3) 65383 (x2) (Rx4)

333 65782 65782 (x8)

333 67062 67062 (x7)

111 0 0 0

Poor Voltage regulation/Chirp.

M01a. 4553 kHz, 1150z 13/02 (IP)

812 (x3) 41878 (x2) (Rx3) Stops during fourth repeat.

040 02

692 (x5)

999

501 20 = 65239 59652 77852 28546 94521 11099 45696 66587 15687 05871

11231 65472 59841 01324 51165 89443 74677 46697 68244 19940 = 501 20 0 0 0

M01a. 4522 kHz, 1152z 13/02 (IP)

424 (x3) 84129 (x2) (Rx3) Stops during fourth repeat.

040 02

424 (Rx1min)

333 05

333 06

333 07

111 999

372 20 / 62614 75952 10262 62270 91113 98650 67202 90928 90455 42641

45645 12354 46638 87645 41144 79631 51061 62550 58168 16764 / 372 20 0 0 0

M01a. 4573 kHz, 1512z 13/02 (IP)

64 86085 49079 49720 71456 = 211 10 0 0 0

111 333 00 211 10 0 0 0

M01a. 4417 kHz, 1542z 13/02 (IP)

78031 03211 02312 21591 21591 23874 83491 78321 92345 73458 5 01591

21591 92616 09030 70520 = 420 30 0 0 0

M01a. 4598 kHz, 1236z 14/02 (IP)

832 (x3) 39935 (x2) (Rx2)

832 (x3) 39635 (x2) (Rx6) Stops during seventh repeat.

111

333 00

030 1*** 020 1 ** 020 0103

020 0103

020 0709

333 07 09

333 09

111 999

689 10 = 31024 68740 61874 65349 87405 49806 80748 74098 40653 41894 = 689 10

111 0 0 0

M01a. 5439 kHz, [+/-]. 1036z 20/02 (IP)

04582 54042 02299 41976 15086 62276 77724 49388 73711 03519 29197

50107 01414 28166 47420 41671 07020 61246 = 853 34

Digits below were very badly keyed, as opposed to the above.

111

73711

111 0 0 0

M01a. 4589 kHz, 1357z 21/02 (IP)

333 99669 99669

111 0 0 0

M01a. 4884 kHz, 1113z 28/02 (IP)

84065 13247 70856 41534 62130 58479 = 606 10

111 0 0 0

M12**13369/14669/15969 kHz, 01-02/04-02, 1010/1030/1050 UTC**

369 369 369 1 201 133 201 133

34226 65789 82994 77909 72375 79252 14781 01380 72020 46006
77582 25541 44093 20960 56680 55930 32144 51741 02977 96194
06590 79430 68979 55052 75146 74733 98361 76198 75257 92813
71049 61967 39670 14713 28700 33510 61136 20229 39843 76402
82445 42609 74509 94828 33821 34132 92201 82775 82019 37526
18680 70666 84048 10254 53452 44447 94289 40550 99654 22737
27923 95491 15801 05738 11019 02418 49935 19031 49318 78035
22617 59542 03884 81747 83311 13322 36058 65993 14544 62352
89463 74586 84932 39146 58802 72103 38601 12640 95941 52735
22422 37153 51286 52156 50347 20415 05619 85005 69520 58559
17620 68663 00592 17222 65373 81506 53867 08294 93252 84485
52807 47435 61413 45118 19176 30060 85683 85712 34380 30259
29764 87640 39497 45915 16730 98699 95177 18771 29386 66667
88962 59187 09396 000

9162/8062/7462 kHz, 01-02/03-02, 1310/1330/1350 UTC

104 104 104 1 6230 67 6230 67

76106 65752 56211 82951 61991 59242 42612 64977 45443 63348
06501 43317 29182 22425 32057 67943 45751 22170 47293 79816
76384 28143 22738 27589 07281 42114 96009 59447 96304 77303
57670 76123 64732 23734 31861 84714 16743 81588 98451 88685
22781 49593 03825 59883 08994 03087 82160 35206 13517 79683
75720 67739 28268 63505 49384 37872 97971 25938 31068 73819
00477 46208 23449 60708 90705 38537 17640 000

13362/11562/10362 kHz, 05-02/07-02, 1400/1420/1440 UTC

353 353 353 1 5860 145 5860 145

15562 45100 21467 39835 04708 94718 66266 05338 99722 64492
02794 35073 50390 09232 32135 12177 90741 29949 33322 34069
20946 70003 06162 74719 66361 43412 64110 74467 50987 53545
05949 52552 06038 74238 28148 96915 18767 07417 22600 09618
97451 33939 84528 11257 00015 42081 26893 45700 56163 79509
31972 79566 65164 10614 32744 70816 11180 56280 96803 18740
78639 42519 74855 27649 70965 77891 37665 88239 55746 12597
66128 83110 18330 40722 49175 10249 08297 58779 71153 82219
79830 71924 07590 36954 78607 40238 17962 69625 84093 03313
87517 07176 27231 44954 49955 48034 86989 17505 53053 89204
79245 01542 66073 04844 21557 23888 77272 41630 85172 87806
29670 02468 81939 96575 52447 92425 04160 15811 38820 15280
68913 41201 39452 44748 10559 82759 48361 70444 00947 07818
12916 77733 20323 15284 27561 25167 54542 36429 61744 23300
83627 42176 98570 43425 70565 000 000

11435/10598/9327 kHz, 05-02, 1910/1930/1950 UTC

938 938 938 1 7131 83 7131 83
59547 44718 89117 23006 45621 56477 21953 49939 68695 14050
15984 34255 38890 10622 48275 37285 55283 22155 14193 26582
26137 53543 32803 50062 64243 36659 53866 76584 00522 02763
39100 18470 15896 94867 09095 05676 12225 78190 24729 79182
85122 71936 90819 33334 79089 32879 16609 48451 88971 42641
92173 28568 54753 02000 88808 53429 57737 01612 22833 63771
55858 50662 58089 88348 23845 83662 18576 74826 28154 10264
89260 61288 81103 90387 12481 59396 86994 69633 32950 42837
45773 08602 25160 000 000

8047/6802/5788 kHz, 07-02, 1900/1920/1940 UTC

463 463 463 1 7427 144 7427 144
05207 37679 20449 11166 63917 99060 83727 21481 04367 72316
63747 99795 36696 57807 07965 28462 36401 95179 63769 76521
65904 88555 59995 58976 98719 78412 82994 90794 20980 76292
43229 64353 13280 15817 20357 65798 39443 04344 33226 48650
40919 99507 30685 58439 17955 54692 46721 83792 28680 72950
35689 27886 62034 80801 65316 06763 41497 32427 31769 13611
34498 20816 88403 37275 90352 67677 40132 04220 96342 45099
70099 45305 54621 95052 07401 30332 56758 22641 33650 80192
46706 44364 57432 09460 50366 56343 12904 15385 35529 14768
48632 72126 43551 21453 68949 85374 70770 81712 25452 91459
37892 47181 00094 36275 82585 27752 95801 78688 07920 21164
48765 37660 62288 00846 60001 90074 10593 45483 82247 16571
75707 37633 57780 26936 10706 00064 34336 85847 61492 78763
32781 98983 05729 00232 88267 97148 63656 11602 22808 61928
20904 64787 58116 67170 000 000

5429/4629/4029 kHz, 07-02, 2200/2220/2240 UTC

460 460 460 1 016 151 016 151
11526 05882 19897 33660 19230 34942 53055 90666 64378 29259
07433 04543 03479 26899 23020 68329 09349 71407 16956 07582
13774 56764 91124 00586 76680 57210 04350 88593 39299 17190
80587 37760 54384 29324 50069 50978 31787 88905 64752 85642
62938 33903 15066 41102 43576 33228 37289 43106 50350 08905
82667 76568 61245 32239 76655 12547 66941 29029 27547 04877
59831 51895 78672 84086 97306 35610 21361 18929 65812 99954
32186 33241 55941 87221 67774 77863 86753 93239 17825 48044
88137 52563 06240 19097 85940 07021 07785 22307 28960 26135
04760 84692 56552 13076 67965 98483 08739 51711 18921 83839
77813 04556 79092 45700 31347 12562 73508 37772 69706 19383
41529 21727 09716 81978 67971 96189 40142 66603 15175 19146
94870 30177 45960 61798 89170 17983 53455 76226 91881 56898
33792 10670 39854 44428 00164 01634 15908 85602 18196 41358
23341 71511 98338 23008 44867 11727 70628 77481 17718 95397
26945 000 000

14377/13461/12114 kHz, 08-02, 1700/1720/1740 UTC

317 317 317 1 1860 108 1860 108
69119 49069 83849 47676 72077 69395 19923 75324 41670 91293
69678 42207 69926 33536 04793 59881 68724 66905 77516 05700
17949 96133 69589 02663 79889 52760 72506 26679 53350 18474
37372 28918 05746 47808 65401 70159 42213 31299 77665 57540
13676 74680 16284 75657 00492 75673 27043 91497 62682 12779
06481 27632 42783 39096 64701 88077 66436 48598 87102 15951
85800 62073 02652 09715 27768 22992 35411 00724 61128 86666
15230 68275 22012 44546 99201 94729 19329 73419 79389 90928
74741 05956 16217 25284 11452 16433 65836 11932 35662 04278
42919 59473 45142 56305 52216 35067 47126 12975 33169 25999
85485 71995 27443 30790 78644 90151 98844 26936 000 000

7637/9137/10237 kHz, 10-02, 0600/0620/0640 UTC

612 612 612 1 108 151 108 151
11526 05882 19897 33660 19230 34942 53055 90666 64378 29259
07433 04543 03479 26899 23020 68329 09349 71407 16956 07582
13774 56764 91124 00586 76680 57210 04350 88593 39299 17190
80587 37760 54384 29324 50069 50978 31787 88905 64752 85642
62938 33903 15066 41102 43576 33228 37289 43106 50350 08905
82667 76568 61245 32239 76655 12547 66941 29029 27547 04877
59831 51895 78672 84086 97306 35610 21361 18929 65812 99954
32186 33241 55941 87221 67774 77863 86753 93239 17825 48044
88137 52563 06240 19097 85940 07021 07785 22307 28960 26135
04760 84692 56552 13076 67965 98483 08739 51711 18921 83839
77813 04556 79092 45700 31347 12562 73508 37772 69706 19383
41529 21727 09716 81978 67971 96189 40142 66603 15175 19146
94870 30177 45960 61798 89170 17983 53455 76226 91881 56898
33792 10670 39854 44428 00164 01634 15908 85602 18196 41358
23341 71511 98338 23008 44867 11727 70628 77481 17718 95397
26945 000 000

9176/7931/6904 kHz, 14-02, 1800/1820/1840 UTC

257 257 257 1 3693 148 3692 148
91089 67278 70732 31134 48145 43018 96898 92457 97168 39711
30891 07793 74308 58491 49363 85778 61062 14052 18336 18486
87735 45758 79848 19464 66841 33882 74484 86050 77519 63215
89139 36932 74817 40752 90177 74802 89503 48228 27524 14950
54106 43888 83665 37978 68108 02220 38779 81500 51136 89154
69038 91682 12378 75692 28836 36736 29884 33321 16028 93719
61819 80204 10216 07133 11541 57679 36926 28839 20995 36461
94573 92558 54872 87124 39671 25676 85571 06466 06405 23686
95922 34497 45831 56096 14277 03245 76934 77848 10437 89272
14005 74290 33578 25066 33673 39004 88331 39251 01688 99986
71807 81635 27653 26241 50337 09869 70655 07842 65993 33049
38542 10401 12065 85020 14884 27347 74117 63230 12862 42355
10852 40665 85694 34225 17843 08387 58345 08052 89415 25746
77167 45865 29372 92067 94023 47309 67237 06042 10387 31320
80303 72289 70441 46776 39971 56142 41357 42292 000 000

8047/6802/5788 kHz, 14-02, 1900/1920/1940 UTC

463 463 463 1 9030 131 9030 131
17672 85454 98490 20921 81211 36517 94648 95552 32396 54493
06367 85169 09751 20051 18368 83408 55697 00468 31124 18325
40130 06877 81312 49366 79971 55645 88155 88392 76871 40887
22667 84763 32820 92484 63481 79551 43248 68585 96609 49939
45761 57103 75499 81550 43061 84818 17776 04202 68231 99799
41790 37289 38413 25579 15381 79901 83399 87070 52288 09947
25706 43893 02723 89414 18755 66661 34057 50253 73576 67537
69804 94978 41716 47612 32140 70793 49355 56714 27795 63588
02825 46552 41205 39248 16069 98664 80149 08075 40352 34095
61617 11108 95768 69384 51144 34940 49496 51751 73857 91514
47270 37495 39876 44373 67493 58470 43660 70852 04920 52235
95031 01794 14174 31656 97088 50157 96164 56505 20861 52892
24217 04759 98146 34418 82750 50613 34938 46524 87281 40359
91934 000 000

13369/14669/15969 kHz, 15-02/18-02, 1010/1030/1050 UTC

369 369 369 1 9804 117 9804 117
17502 88558 27682 34629 31031 15958 08843 29424 73099 12354
43618 81852 44289 16345 62648 09506 00169 03904 11830 05466
95812 73082 88126 25219 81763 74591 23127 09468 93478 51232
16502 81201 05871 40545 16083 52936 21142 06517 85212 84357
11114 95665 83592 91785 75478 43794 06544 44162 01809 09981
92386 05460 27574 91229 30912 30012 86787 08829 52505 87312
38814 22655 33907 28363 35892 37339 24082 24950 54016 92854
51592 64670 42531 10924 61306 27584 23479 71173 28591 27239
72235 17270 57666 05193 50108 54754 45050 63623 42524 48552
98520 90702 25134 47241 40628 21472 80522 83338 18317 62440
73162 12695 42120 51071 97420 45290 83980 63998 55943 07431
84456 19811 07961 65221 65899 03409 36584 000 000

9162/8062/7462 kHz, 15-02, 1310/1330/1350 UTC

104 104 104 1 107 75 107 75
71903 80267 40158 65535 38577 07004 90367 86125 44438 96418
89855 32994 88189 95188 61275 95199 91338 22816 78881 65637
10282 70916 54040 28534 92192 21973 12863 62375 58966 11341
82599 46959 38102 43801 32049 70685 77527 79297 15100 42691
59717 50128 99867 58597 76436 14514 96566 59569 96744 00751
62682 93781 17205 43875 26267 44001 64841 98479 30008 50294
71318 04312 17574 52225 15508 11060 81058 20228 87133 50094
56086 63890 18089 34795 29828 000 000

14377/13461/12114 kHz, 15-02/17-02, 1700/1720/1740 UTC

317 317 317 1 470 28 470 28
54908 09868 47761 61334 01729 63950 47993 69538 39000 48500
08896 13485 99486 01663 46537 92814 43371 72713 35640 57403
10197 25605 41430 17574 90752 72217 14159 37966 000 000

13362/11562/10362 kHz, 19-02/21-02, 1400/1420/1440 UTC

353 353 353 1 526 107 526 107
93160 01269 27849 77445 96575 35618 44744 89212 85545 68480
26828 14936 10332 39415 20248 24164 30054 67215 02606 97244
27105 23222 17137 90000 60430 20327 93426 52847 47493 76340
58755 67367 50942 69151 64872 10769 54091 39945 73187 81309
84617 53907 31976 89771 99197 25778 69597 07605 34504 57312
98396 52727 60109 41830 86358 28318 17809 27211 40132 69769
31715 45236 54442 94703 82110 93048 65059 73384 44241 81599
74129 07805 85038 46825 27165 42237 88482 77557 95674 89332
36370 20333 67944 29734 60493 97905 22314 78257 49736 13991
19231 33890 43145 24322 54158 95377 57541 97874 39474 89273
05497 46579 31836 67459 23874 09877 74837 000 000

9176/7931/6904 kHz, 21-02, 1800/1820/1840 UTC

257 257 257 1 5380 139 5380 139
17411 88503 20248 59119 73795 49548 45325 90533 42740 52142
17675 04019 27068 61279 45238 17438 39554 17729 71117 78146
51647 40220 06021 77060 25525 20872 04066 43303 82977 60551
19277 82629 83546 97276 99474 62667 26808 61659 59852 84643
57923 52748 64482 30102 90892 96570 33637 97993 06096 07305
41589 89269 35910 40716 18608 37287 10993 24129 93706 81136
39233 87489 39388 32396 50013 00633 02045 05032 94792 60625
09539 21605 85995 72457 27056 35579 78493 76225 93932 05675
05445 41103 82127 04728 99898 93638 38237 59534 86316 80374
96654 77859 70003 92445 18459 13245 77303 87186 67723 91566
19508 72616 22965 42588 68423 65234 00778 37098 22733 30471
35930 21687 59524 85949 31122 21347 73789 13498 13394 65806
96418 81915 85510 70765 09670 43543 35774 47559 33293 60428
73305 18166 23835 79870 13712 58211 53732 49968 30945 000 000

5429/4629/4029 kHz, 21-02, 2200/2220/2240 UTC

460 460 460 1 6453 99 6453 99
72818 98432 67724 41139 13613 66246 29971 58711 31921 75575
44185 29148 60083 76456 17451 99504 17422 74953 89910 23623
93613 44065 98677 24871 09540 31776 99932 58379 21176 80972
98290 17772 24255 35731 81280 25929 20378 95362 23364 80588
35504 54861 73606 24312 79992 28763 19737 38705 00555 04497
26622 96682 34650 62505 52295 19898 62260 88244 67100 43318
80281 47288 63662 50641 05684 51070 73147 88039 46427 84385
74044 71470 04357 92318 11296 52829 04138 22982 21309 32701
61241 03776 64619 29219 15455 16772 59892 10842 82449 73574
33922 07175 50014 54579 63706 05668 37303 14270 80074 000 000

7637/9137/10237 kHz, 24-02, 0600/0620/0640 UTC

612 612 612 1 6453 99 6453 99
72818 98432 67724 41139 13613 66246 29971 58711 31921 75575
44185 29148 60083 76456 17451 99504 17422 74953 89910 23623
93613 44065 98677 24871 09540 31776 99932 58379 21176 80972
98290 17772 24255 35731 81280 25929 20378 95362 23364 80588
35504 54861 73606 24312 79992 28763 19737 38705 00555 04497
26622 96682 34650 62505 52295 19898 62260 88244 67100 43318
80281 47288 63662 50641 05684 51070 73147 88039 46427 84385
74044 71470 04357 92318 11296 52829 04138 22982 21309 32701
61241 03776 64619 29219 15455 16772 59892 10842 82449 73574
33922 07175 50014 54579 63706 05668 37303 14270 80074 000 000

10343/9264/8116 kHz, 27-02, 2000/2020/2040 UTC

124 124 124 1 1329 105 1329 105

20774 39904 55869 97325 90732 10022 81224 12317 72577 41577
71903 76070 44891 68227 29346 87891 22672 38672 31375 30015
59757 11176 39760 94557 77390 32375 55981 03110 01134 92637
37132 57345 34156 33343 46505 43536 68263 31561 15316 14471
61512 79756 05186 66105 49577 58752 04871 09903 92171 17564
63543 65792 58435 20625 49934 17109 24176 88393 56799 47413
98208 79597 67571 98075 52861 27894 18012 71583 18839 04357
86612 55777 70882 69121 13528 70804 29119 93621 71388 26120
46297 82410 36163 07479 27783 45931 76337 76161 09062 19244
41152 87510 07868 59977 99106 88176 31842 28185 28009 61944
97998 85595 20189 32382 57529 000 000

9176/7931/6904 kHz, 28-02, 1800/1820/1840 UTC

257 257 257 1 9380 144 9380 144

10936 70935 34195 53977 03377 06187 25832 34756 83905 95122
38892 53151 84355 83911 79813 57152 04155 33736 55596 26501
45548 87529 59784 66180 45034 06416 89675 42628 29232 29448
62144 71168 21858 37498 47293 88573 84520 15910 53276 96314
45758 24400 24946 77328 15021 11209 39999 93637 70263 40452
25257 71635 57930 67028 75184 22333 30256 63159 69673 62599
24023 36429 44985 62092 44568 18560 81204 83694 19954 30816
19134 08804 54210 83573 48786 03701 77449 63133 26930 15385
01034 28104 56555 52019 23031 36901 85683 00962 44957 21169
28091 44763 09569 53143 98914 77218 70315 29557 72973 50964
14149 20577 53553 15256 82993 48842 13057 56305 11937 00228
71170 21160 87571 56948 74752 93293 83835 80788 30270 90015
71755 81270 84791 48078 33867 04713 03457 19539 98358 12823
04033 31657 43928 85938 10004 38606 81442 28176 32025 64015
28627 17587 99771 64384 000 000

8047/6802/5788 kHz, 28-02, 1900/1920/1940 UTC

463 463 463 1 4289 130 4289 130

92927 33544 22588 06828 92291 96377 04460 80418 71847 64911
54084 73621 25626 99148 86396 68833 24143 41651 25371 31871
98246 98476 06976 76877 92879 88939 24749 45075 12218 01187
57839 94897 76666 09939 60083 64167 85103 39659 55028 84065
27390 02682 51802 72717 80412 50752 54642 00042 45727 32887
46426 06439 38176 88601 08155 45897 63199 50925 11708 53845
18419 13147 49769 45203 35288 83804 03726 02734 16197 06793
07429 44689 54983 86536 33274 39636 49113 75540 53420 51261
12042 37071 70677 47734 18002 82848 46547 25071 97181 98156
59603 35269 50541 31372 77204 05436 43066 58592 81278 70448
66822 77840 64771 94156 89796 48515 02996 13952 91447 80365
34125 34502 29475 30518 00589 05399 97309 52398 48017 62477
91241 37040 08007 71961 69998 41061 82252 79584 20972 59311
000 000

M14

18041 kHz, 05-02, 0500 UTC

952 130 130 55 55 = =
16093 23432 22831 60824 18100 77677 49799 47699 79343 51728
26681 26660 93980 59011 08878 19021 84928 71218 15368 69259
77711 06284 62359 42120 29487 92247 76352 76620 42924 55430
28773 03988 19649 06366 59381 33447 32910 21928 80636 42791
24185 47074 80201 59672 53392 64672 63787 44556 57405 06814
05513 11272 96552 06089 97970 = =
130 130 55 55 00000

18041 kHz, 06-02, 0500 UTC

952 768 768 50 50 = =
48577 47215 19541 63203 48448 18152 53127 30624 07909 51737
25012 22638 94865 40795 40796 49634 48263 89985 48463 49953
26857 03423 95214 67777 67465 19651 21114 15119 63615 48676
62987 85068 00556 90736 67014 08500 07540 41492 33449 71427
13342 13337 41908 35186 15924 27504 30659 26638 02206 56660
= = 768 768 50 50 00000

17458 kHz, 10-02, 0930 UTC

15994 kHz, 26-02, 0930 UTC

617 839 839 74 74 = =
60284 83366 62928 32278 78090 77201 32077 90784 64710 52956
45884 38418 01583 26654 89596 16842 16277 88732 13188 91997
30434 43482 99769 86597 47728 55208 38542 90328 21810 54645
79076 62640 17122 34819 23416 35931 86958 62000 95053 93731
02490 85305 47622 39769 43222 47895 52328 84376 93549 70161
91649 79975 14968 39317 99277 97769 74295 38715 40067 25854
99940 01264 87790 42977 37587 00430 78762 96233 70539 88908
72706 71638 71325 32369
= = 839 839 74 74 00000

18041 kHz, 14-02, 0500 UTC

952 401 401 55 55 = =
20396 29677 20515 20525 92967 58564 35624 52070 43865 44822
55352 40865 78357 68598 24465 05830 41504 82509 17633 53309
04960 19419 47099 59132 95975 31175 25115 24577 96021 75499
67114 35965 57482 93198 46538 82550 11855 42900 37262 12395
67884 85494 04556 30925 23084 35473 30517 71844 37065 21344
84913 95105 40130 22324 77377
= = 401 401 55 55 00000

18041 kHz, 26-02, 0500 UTC

952 847 847 50 50 = =
82074 09695 17042 01866 00848 67047 64489 58852 66064 02263
24819 74616 79818 67494 42160 61679 39072 94299 83071 71647
70972 39000 07060 66592 83508 04693 20414 06936 98680 75868
93016 54271 60379 26554 42837 12577 34166 87937 17781 56228
41120 86398 29602 18281 92973 87885 19541 37432 20685 09579
= = 847 847 50 50 00000

4761 kHz, 14-02, 1920 UTC. Announced 32 groups but sent 25. Errors in repeats.

748 775 775 32 32
55676 43289 91825 99315 77722 54823 92834 00732 84567 00168
89245 07171 39178 42435 89712 36897 29573 43567 67891 44321
77345 98712 39285 7913 (57913) 66432 (66532)
775 775 32 32 00000

18041 kHz, 16-02, 0500 UTC

952 148 148 55 55 = =
 77396 22706 64886 58957 95164 80590 30268 19468 34777 09159
 51734 50276 58065 31129 85618 21797 35840 69181 63465 57450
 88679 18660 99272 88625 55549 59429 92538 88669 57447 42834
 06795 84298 48246 14689 28317 67901 69942 60243 34698 59152
 54480 82057 27969 89381 39343 46724 11966 07134 89104 61374
 18615 28359 40131 65910 12831 = =
 148 148 55 55 00000

4761 kHz, 28-02, 1920 UTC

748 775 775 32 32
 55676 43289 91825 99115 77722 54823 92834 00732 84567 00168
 39178 42435 89712 36897 29573 43567 67891 44321 77345 98712
 39285 57913 66432
 775 775 32 32 00000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**4951.5 kHz, 07-02, 1800 UTC**

=992107??0?????
 =992108??0?????

5020.5 kHz, 07-02, 1654 UTC

=991956??8?????
 =991957??8?????

M22 - 4XZ**6607 kHz, 12-02, 1743 UTC**

VVV DE 4XZ 4XZ = =
 VVV DE 4XZ 4XZ = =
 F AR NW QTC 1 NR 551 = =
 FBFBF LAZTF LULQW RTCUW WOUZR QWUND OXOAR EAJNF YUIGF LAZQF ==
 NR 551 MF V LE3H 700211 FR2B GR 01 ==
 FBFBF LAZTF LULQW RTCUW WOUZR QWUND OXOAR EAJNF YUIGF LAZQF ==
 NR 551 MF V LE3H 700211 FR2B GR 01 == AR AR

VVV DE 4XZ 4XZ = =
 VVV DE 4XZ 4XZ = =
 F AR NW QTC 1 NR 651 = =
 NR 651 PZ V YB1F 800211 BD4D GR 01 ==
 BDBDB JEEHC DTRZS WPUDY AYHNP PAIRJ DWOFG IRNRM KFPUL JEEHC ==
 NR 651 PZ V YB1F 800211 BD4D GR 01 ==
 BDBDB JEEHC DTRZS WPUDY AYHNP PTIRJ DWOFG IRNRM KFPUL JEEHC ==
 NR 651 PZ V YB1F 800211 BD4D GR 01 == AR AR

VVV DE 4XZ 4XZ = =
 VVV DE 4XZ 4XZ = =
 G AR NW QTC 1 NR 751 = =
 NR 751 JH V OZ8Z 900211 EH3P GR 01 ==
 EPEPE QWDDO BWIMY ULIXT PIADC HUKHS DOYPD HZMBU FPXSY QWDDO ==
 NR 751 JH V OZ8Z 900211 EH3P GR 01 ==
 EPEPE QWDDO BWIMY ULIXT PIADC HUKHS DOYPD HZMBU FPXSY QWDDO ==
 NR 751 JH V OZ8Z 900211 EH3P GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =

F AR NW QTC 1 NR 851 = =
NR 851 LY V NM3X 900211 EH3PW GR 01 ==
EPEPE QXOTY XWBZE ANCJK QDWMO HKCPO MHCPS DZYHW MBPYA QXOTY ==
NR 851 LY V NM3X 900211 EH3PW GR 01 ==
EPEPE QXOTY XWBZE ANCJK QDWMO HKCPO MHCPS DZYHW MBPYA QXOTY ==
NR 851 LY V NM3X 900211 EH3PW GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
F AR NW QTC J NR 951 = =
NR 951 DX V LE3H 010211 JJ3WS GR 01 ==
JSJSJ FSKCE ZRPKQ MMCUK FQTRF NRRIM RHHEG EBPOA KPCNN FSKCE ==
NR 951 DX V LE3H 010211 JJ3WS GR 01 ==
JSJSJ FSKCE ZRPKQ MMCUK FQTRF NRRIM RHHEG EBPOA KPCNO FSKCE ==
NR 951 DX V LE3H 010211 JJ3WS GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
WA3H NR 351 TO NR 451 QQL ==
JJ3S NR 951 DX GR 01 ==
EH3P NR 851 LY GR 01 ==
EH3A NR 751 JH GI 01 ==
BD4D NR 651 PZ GR 01 ==
FR2B NR 551 MF GR 01 ==
WA3H NR 351 TO NR 451 QQL ==
JJ3S NR 951 DX GR 01 ==
EH3P NR 851 LY GR 01 ==
EH3A NR 751 JH GR 01 ==
BD4D NR 651 PZ GR 01 ==
FR2B NR 551 MF GR 01 ==
WA3H NR 351 TO NR 451 QQL ==
JJ3S NR 951 DX GR 01 ==
EH3P NR 751 LY GR 01 ==
EH3P NR 751 JH GR 01 ==
BD4D NR 651 PZ GR 01 ==
FR2B NR 551 MF GR 01 ==
WA2H NR 351 TO NR 451 QQL ==
JJ3S NR 951

VVV DE 4XZ 4XZ =
VVV DE 4XZ 4XZ = =
G AR NW QTC 1 NR 951 = =
NR 951 DX V LE3H 910211 JJ3S GR 01 ==
JSJSJ FSKCE ZRPKQ MMCUK FQURF NRRIM RHHEG EBPOA KPCNO FSKCE ==
NR 951 DX V LE3H 910211 JJ3S GR 01 ==
JSJSJ FSKCE ZRPKQ MMCUK FQURF NRRIM RHHEG EBPOA KPCNO FSKCE ==
NR 851 DX V LE3H 910211 JJ3S GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
G AR NW QTC 1 NR 851 = =
NR 851 LY V NM3X 900211 EH3P GR 01 ==
EPEPE QXOTY XWBZE ENCJK QDWMO HKCPO MHCPS DZYHW MBPYA QXOTY ==
NR 851 LY V NM3X 900211 EH3P GR 01 ==
EPEPE QXOTY XWBZE ENCJK QDWMO HKCPO MHCPS DZYHW MBPYA QXOTY ==
NR 851 LY V NM3X 900211 EH3P GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
G AR NW QTC 1 NR 51 = =
NR 751 JH V OZ8Z 900211 EH3P GR 01 ==
EPEPE QWDDO BWIMY ULIXT PIADC HUKHS DOYPD HZMBU FPXSY QWDDO ==
NR 751 JH V OZ8Z 900211 EH3P GR 01 ==
EPEPE QWDDO BWIMY ULIXT PIADC HUKHS DOYPD HZMBU FPXSY QWDDO ==
NR 751 JH V OZ8Z 900211 EH3P GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
F AR NW QTC 1 NR 651 = =
NR 651 PZ V YB1F 800211 BD4S GR 01 ==
BDBDB JEEHC DTRZS WPUYD AYHNP PAIRJ DWOFGR IRNRM KFPUL JEEHC ==
NR 651 PZ V YB1F 800211 BD4S GR 01 ==
BDBDB JEEHC DTRZS WPUYD AYHNP PAIRJ DWOFGR IRNRM KFPUL JEEHC ==
NR 651 PZ V YB1F 800211 BD4GR GR 01 == AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = =
F AR NW QTC 1 NR 551 = =
NR 551 MF V LE3H 700211 FR2B GR 01 ==
FBFBF LAZTF LULQW RTCUW WOUZR QWUND OXOAR EAJNF YAIGF LAZQF ==
NR 551 MF V LE3H 700211 FR2B GR 01 ==
FBFBF LAZTF LULQW RTCUW WOUZR QWUND OXOAR EAJNF YAIGF LAZQF ==
NR 551 MF V LE3H 700211 FR2B GR 01 == AR AR

VVV DE 4XZ 4XZ = =

M89 - Chinese military

3168 kHz, 01-02, 1343 UTC, i.p.

1PJH de ET2Q K
1PJH de ET2Q
HR MSG NR 112 CK 91 96 0201 2130 RMKS 8919 TO 2949 = A7N7 6TU6 ...
1PJH de ET2Q GA K
1PJH de ET2Q QSL 2159 K
1PJH de ET2Q SK

3238//6874//8157 kHz, 01-02, 2246 UTC, i.p.

6A7N DUT5 AT55 NU53 TA34 (Cont'd) AR
7G NR 0203 CK 97 40 0202 0645 RMKS 7919 TO 9975 2919 3598 =
DADA AN56 6U46 U437 (Cont'd)
AR

5721 kHz, 06-02, 0057 UTC

AN75 U37U 6TU3 TD3T T73T (Cont'd)
78W (Other station also on this frequency)
R R 78W BT DT56 (Cont'd repeat groups)
AGN
7G NR 1026/UHB CU5.
NR
NR 1026/U.B CUH TT ZZ T2T6 T.T5 RMKS 7131 TO 7967/W
OK
OK NR H?
QSL CU 0905 K
R R HR WK NR IIS4 780 K
OK IEC ? NR IS 1117 K K
OK GB GB

3331 kHz, 06-02, 1347 UTC, i.p.

D46U U3N6 AR K
AS (Both stations on this frequency)
RPT 22W TO 23W K
R RPT 22W TO 23W BT 4U7N A57T 4U7N A57T AR K (Cont'd to repeat groups)
R QSL 2158 K
R AS K
RPT
SK SK SK

4436 06-02, 1403 UTC, i.p.

AR K
RPT 44W... = TA4. 6AUA DAA5 DAA5 AD7A U (Cont'd) AR K
R R R RPT 58W TO 72W = T6TN N5UN 57N3 (Cont'd) AR K
R R RPT 58W TO 59W = T6TN N5UN AR K K
R R RPT 80W = 66T6 66T6 AR K
R RPT 71W = NDUT NDUT AR K
R R SK SK

3356 kHz, 09-02, 2103 UTC, i.p.

3TNU D4U6 A354 T6U6 (Cont'd)
III K K
RPT
RPT
R RPT 151W BT N7UT N7UT AR K K
R R
03J EEEEE 3P01W GA =
53A3 AR K K
R R
GA GA
GA GA

4245 kHz, 12-02, 1140 UTC, i.p.

EGZ4 DE TFLQ K
R K
2O4T DE TFLQ K
2O4T DE TFLQ K
R K
XQ4N DE TFLQ K
R K
K7ZX DE TFLQ K
R K
ZLJ2 DE TFLQ K
HPTL DE TFLQ K
R K
WMO3 DE TFLQ K
R K

5116 kHz, 12-02, 1116 UTC, i.p.

T5UD 637N N54D ND6U DTA6 ...
T6A7 745D N53D AR K
OK OK QSL 1917 K K (Other station also on this frequency)
OK OK HR 7G GA K K
OK
NR NR 0522 CK 70 93 1900 0212 RMKS 1729 TO 1728 K K
OK RPT NR NR 0522 K K
OK OK
= = ND76 47D6 7UDA 4ADN U3A6 (Cont'd) AR
OK QSL 1929 AR K K
OK OK

3611 kHz, 13-02, 1224 UTC

VVV KFT4 de 5WBX K and QSA 3 ? K.

HR MSG GA K

NR 0223 CK 141 43 0213 2040 RMKS 7447 TO 7416 7417 = 77DU 6A33 465D ...

5776 kHz, 13-02, 1113 UTC, i.p.

NA3N D3AD AR K

R RPT 27W 4UAT 4UAT K

R RPT 66W A6D4 A6 RRRR

RPT 66W A6D4 A6D4 K

R U 7G GA

R GA K

5460 kHz, 26-02, 0713 UTC, i.p.

U746 D5A3 7TUD T3UU ... AR K

= N4 ? EEEEE = N4T3

GA

R OK QSL 1516 1516 K //B (Different station - //B)

OK

GA

QSL 1516 K//B (Two separate stations working different outstations)

R GA

HR WK NR 302 302 K //B

NIL SK GB //B

R RPT 14W

R RPT 26W (Cont'd to ask for repeats)

R QSL 1526 K

AS AS

MSG D EEEE 6 MSG 6 MSG (Silent - 0728z)

M95**4243 kHz, 11-02, 1150 UTC, i.p.**

467 3DA TTU TT3 773 (Cont'd) AR

A HR MSG GA

NR 001 CK 16 35 0211 1630 =

UT5 TAA 3U6 3A4 TTA TTU TT3 773 35U U4T

353 4A5 447 46D 4D6 3D4 AR

7G AGN

NR 001 CK 16 35 0211 1630 = (Repeats message) AR

A HR MSG GA

NR 22 CK 157 35 0211 1646 =

UTU TAA 3A4 7TA (Cont'd)

80733 kHz, 11-02, 1157 UTC, i.p.

TU6 773 353 4T3 NN3 437 46D (Cont'd) AR

A HR 7G GA

NR 0163 CK 40 35 0211 1557 =

TTU N5. ... (Cont'd) AR AR

4243//9054 kHz, 12-02, 1146 UTC

A HR TO YR PSE CY

NR 041 CK 30 35 0212 1510 =

5TD UTT TAU 3U6 7TA N44 3A4 35U 4A5 N3D

4AA U7U N4A 446 467 N36 N3U 445 3DA TTU

TT3 773 447 46D 3D4 336 N3U 446 3D3 4D6 AR

A HR MSG GA

NR 004 CK 20 35 0212 1627 =

UT5 TAU 3U6 3A4 TTA TTU TT3 773 35U U4T

353 4A5 336 N3D 4AA 446 4D6 N3D 4D3 3DU AR

A HR MSG GA
NR 24 CK 183 35 0212 1634 =
UTU TAU 3U6 3A4 TTU 773 35A N3D 353 4A5 (Cont'd) AR
A HR UP SB WK AR AR
Switched to voice (V26) at 1209 UTC)

3029 kHz, 13-02, 1015 UTC. Outstations on 3167 kHz

Net Control calls 7 stations. For each outstation she uses a different callsign.
Then when a station does not answer, Net Control uses the callsign "BR7D".
After calling stations YY2R and CBE8, Net Control uses different callsigns again.
The called stations also responds with a different callsign.

YY2R de BR7D K
CBE8 de BR7D K
HR MSG NR 061 CCK/CK 199 0213 1300 RMKS 1204 TO 1885/1535/2545/2895/11930/1455/2051/1415/1886/2855/1505 =
followed by a message and QSL 1855 1855 K
Outstation responds: QRU SK GB
9EGI (x3) de BR7D (x2) V
CL CL

4364//8073 kHz, 13-02, 1144 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0173 CK 43 35 0213 1622 =
TTU N5U TA3 N53 TAD (Cont'd) AR
A HR 7G GA
NR 0174 CK 49 35 0213 1626 =
TTU N5U TA3 N53 TAD (Cont'd) AR
A HR MSG GA
NR 0175 CK 330 35 0213 1629 =
TA3 3U6 3AN 3U7 TAU (Cont'd)

4243//9054 kHz, 16-02, 1147 UTC

V V V V V
HR 7G TO YR PSE CY
NR 32 CK 140 35 0216 1530 =
UTU TA6 3U6 3A4 TTU 773 35A U4T 353 (Cont'd) AR
7G AGN
NR 32 CK 140 35 0216 1530 =
UTU TA6 3U6 3A4 TTU 773 35A (Cont'd)

4100 kHz, 25-02, 1421 UTC, i.p.

05 05 05
05 05 05 05 05 NN75 NN75 NN75
05 05 =
65N. 4TA7 U4N6 5T3D A7U4 6NT5 3D7A (Cont'd)

UM03 – Chinese X2M net

8250 // 8410 kHz, 21-02, 0730 UTC, i.p.

AR
11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 2102 DATE 2102 =
BQSKZ UWLOD MODFV PSJYB ZOQFI (Cont'd)

UM10 - 10-minutes net

Freq	Date	UTC		Freq	Date	UTC	
3210	21-1	1340	7CJK //3718 kHz	4112	28-1	0950	U34D //3326 kHz
3210	1-2	1010	7CJK //3718 kHz	4112	1-2	0855	U34D //3326 kHz
3210	1-2	1810	7CJK //3718 kHz	4310	7-2	1913	JZZN //3531 kHz
3250	7-2	1906	VI4T (new freq)	4310	9-2	1640	JZZN
3250	9-2	1705	VI4T	4310	9-2	1810	JZZN //6748 kHz
3326	12-1	1850	U34D //4112 kHz	4310	11-2	1216	JZZN //3531 kHz
3326	20-1	0951	U34D //4112 kHz	4310	12-2	0840	JZZN //6748 kHz
3326	28-1	0950	U34D //4112 kHz	4310	23-2	1419	JZZN
3326	1-2	0855	U34D //4112 kHz	5869	10-2	0744	DHTO
3531	7-2	1913	JZZN //4310 kHz	5870	12-2	0805	EDNJ
3531	9-2	1810	JZZN //4310 kHz	5945	20-1	0720	TPTS //6924 kHz
3531	11-2	1216	JZZN //4310 kHz	5945	29-1	0820	TPTS //6924 kHz
3718	12-1	0910	7CJK	5945	2-2	0750	TPTS //6924 kHz
3718	12-1	1910	7CJK	6748	10-2	0741	DHTO
3718	20-1	0840	7CJK	6748	12-2	0840	JZZN //4310 kHz
3718	21-1	1340	7CJK //3210 kHz	6924	20-1	0720	TPTS //5945 kHz
3718	1-2	1010	7CJK //3210 kHz	6924	29-1	0820	TPTS //5945 kHz
3718	1-2	1810	7CJK //3210 kHz	6924	2-2	0750	TPTS //5945 kHz
4112	12-1	1850	U34D //3326 kHz	6983	20-1	2014	AW3Z
4112	20-1	0951	U34D //3326 kHz	6983	28-1	0845	7CJK

DIGITAL MODES

HM01 - Dirección General de Inteligencia

HM01 oddities

In repeating mode since 10 February.

11435 kHz, 05-02, 1557 UTC

Radio Habana Cuba. At 1558 UTC HM01 in progress 54748 13006 55761 85745 38362 82074

16180 kHz, 10-02, 2200 UTC

15213 86101 55765 40731 38366 28651 Wrong frequency. Should be on 17480 kHz

11435 kHz, 24-02, 1603 UTC

Radio Habana Cuba then carrier till 1606z followed by "Uno" repeated many times; then Windows error sounds and "Uno" again, repeated many times followed by Windows error sounds; just a carrier until 1625z with more Windows error sounds then at 1632z "Uno" repeated many times again

11530 kHz, 24-02, 1708 UTC

Windows error sounds a few times followed by 15213 86101 55765 40731 38366 28651

11435 kHz, 24-02, 1601 UTC

Radio Habana Cuba , then 15213 86101 55765 40731 38366 28651

9330 kHz, 28-02, 0657 UTC

15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio, Brief morse and voices at 0752z, then off.

11435 kHz, 28-02, 1600 UTC

Radio Habana Cuba sign on music into Spanish talking about Havana then 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio and echo. Starts and stops till 1603z

F01, F06, F06a, M42, M42a, M42b & X06

Russian Government & Intelligence



F01 – FSK 200/500

8155/6844/4527 kHz, 07-02, 1940/1950/2000 UTC

Null message:)5761 00000+++++++162

Link 00116 via Cuba

20741/18401 kHz, 16-02, 2230/2240 UTC

20741/18401 kHz, 16-02, 2330/2340 UTC

11177 00116 92178 15007 01309
34636 33443 97258 90247 65713 33851 08763 50804 11359 34150
83565 99076 37615 06508 12269 10427 40328 03700 34927 42524
43860 89223 18342 24517 57169 81333 79867 04848 16852 19960
64990 89314 89677 37122 15090 40137 41130 32175 65422 17241
65785 92736 47972 21630 21565 00346 60258 95060 83782 10585
50738 23077 76911 90898 80370 69217 79762 71588 45656 84883
87524 50573 27213 49419 57412 21620 22974 35614 03127 79810
76010 25197 13120 68749 24459 12896 06409 45466 39952 13099
13458 57338 95538 60336 18705 11030 04542 49994 98163 93346
15617 22928 12478 63772 37253 76813 64035 85099 80249 01200
63908 38731 00503 18017 91035 94846 92903 03379 49919 42065
95611 43727 33924 44993 83295 43949 55739 07272 90504 17936
21253 91887 05279 19636 84667 27410 06443 73472 07128

Note: The last group is the serial-GC postamble but the trailing 00000 is missing.

F06 – FSK 200/1000

Link 00000

9089/7844/5922 kHz, 05-02, 0830/0840/0850 UTC

11100 00000 68217 05034 03079
00456 87420 92720 55317 92354 40716 37862 22682 79164 33193
34882 93355 22416 08915 61101 13978 30470 60537 09075 68678
05799 84479 56186 95828 72447 36973 38647 26745 13354 39426
72066 57323 72225 06543 85798 88507 99649 95632 63242 96544
48134 00550 05288 18969 45754 38700 59095 67240 03107 04551
79392 01984 33251 88077 14479 31762 89322 81599 34124 21319
49516 23422 41551 20239 04112 51739 36686 47950 24244 67221
22864 96010 17099 27741 74184 33624 97216 23657 05695 27306
28603 07103 13593 10658 17326 73723 77636 65169 59287 20284

42955 97995 72854 26596 23430 27647 71054 35203 93856 13517
52991 27248 63053 90210 19200 17978 45127 92583 40608 20314
71055 82442 35805 49918 07805 12850 36285 70212 77142 90958
44388 00767 91348 25319 13581 37510 48014 68595 05805 58193
51097 91639 05556 11540 50449 49834 95391 13534 16978 27670
22550 99265 95642 72482 11369 03788 03473 53277 01200 70404
64790 05604 14488 09854 00827 48392 84719 58789 15924 83699
98926 11029 47506 15315 34417 19987 72001 47134 94441 95743
83914 47271 72470 45168 90235 88818 99766 28560 87351 03215
55954 31221 12687 07139 47258 73410 88220 88882 82108 07120
98096 65133 98795 73091 67496 44100 24864 16543 34972 55928
72929 85005 35428 36335 02615 56739 35925 74409 03281 73150
91508 60503 77245 73644 13252 95160 28186 56367 65678 45022
84397 13251 35779 56635 11602 12828 40791 64116 95000 29222
66939 51593 95247 40779 56320 56372 08040 46759 84114 23773
82004 75533 93325 49543 74581 82723 79217 70828 50570 62714
40658 91601 53049 21996 40531 53505 01347 87743 42427 88046
95741 50102 15790 11070 33599 61588 26705 45458 66612 42072
56521 82990 53848 62749 15494 21300 90285 07565 43628 36866
15520 35507 15931 79976 32338 92228 94225 02607 89843 44410
92753 55136 10817 35323 49725 12863 68003 85018 22011 18227
39014 83583 45174 49706 94530 34305 00000

8065/5912/4043 kHz, 11-02, 1800/1810/1820 UTC

11100 00000 85214 09070 01899
20793 55520 98143 21357 38701 10863 19002 22051 02620 24765
20522 91959 74925 56264 08615 89218 64244 13203 21100 70971
71509 51293 66789 07527 54480 65471 25995 03636 27912 59465
42146 75346 41550 04536 59209 55856 03147 23303 84603 28802
38683 59615 82275 12439 06989 20392 25655 43130 10943 00368
65152 31586 72438 25692 89891 90305 63315 77313 88378 55636
09428 80082 37773 52905 10048 68519 76467 78056 39787 65174
39653 94222 25231 32528 62558 66685 13454 84360 81054 84639
74636 67534 84311 43225 05932 50122 99189 84239 28804 76820
11059 18985 97003 77584 50733 81678 57375 40429 02201 86870
30691 84318 10850 89298 04681 93098 96858 69627 56467 96398
03465 94497 46575 08442 34768 24334 51715 60706 62786 67344
28523 89370 08428 03144 25442 63482 26082 24449 84938 64783
46505 70275 03238 55137 57701 49076 39766 92488 28474 75257
93485 81299 04346 67515 88316 68388 30521 82419 34824 20125
81597 81696 60360 41905 02692 56634 24859 25849 91688 58058
64453 37663 77286 05309 30121 78593 72529 72663 13530 83418
08515 76629 77281 40417 77973 12568 31736 44238 43386 14052
25608 17626 89350 33437 42516 62927 23866 70187 00000

Link 00052

12116/10275/8176 kHz, 06-02, 1500/1510/1520 UTC

11166 00052 81560 06088 00049 00000 00000 00000 00000

20916/18730/16165 kHz, 14-02/15-02, 0900/0910/0920 UTC

11166 00052 65941 13025 02689
30079 16125 53727 34313 41796 74810 77365 52761 63178 66292
12253 09691 37885 10582 08523 02957 64790 43874 85717 70717
94079 59485 08079 62399 03577 93511 67765 40072 61177 16505
51298 71085 01510 23827 69313 47080 70291 58752 06205 85995
62456 39710 32194 99891 44576 65369 48572 76039 86602 31609
73237 86939 05542 09034 26744 99241 01253 01178 56128 29073
97812 23413 55129 15399 11982 99044 13599 77666 65615 76463
12371 47965 04012 39334 07779 46447 23124 29674 61313 78012

45676 89316 31148 42362 40844 88009 43740 08481 48780 07071
25156 51884 36818 38140 25317 66071 26465 57223 49800 75096
34381 00583 19658 21076 65810 34808 85084 73310 82941 32980
08277 03553 92360 96981 66140 71049 01611 93870 32414 59704
14041 32753 27580 68529 44529 61475 73386 81601 67962 69479
05484 08653 80283 24960 01278 18755 71575 32896 59519 59034
49643 84637 11743 37278 84824 32757 70081 32519 33655 88721
19020 24124 37087 63062 15017 23525 97982 05402 07612 97461
80482 85500 50108 61383 61054 71111 43264 54337 20952 52101
09036 68437 86914 80334 87282 78873 30053 49938 43483 22549
16102 10851 96820 80845 43763 95226 40491 60397 44387 87060
48078 14081 02124 97345 43282 41547 61846 32508 47227 72819
08992 69719 20425 40074 45564 21017 21617 59701 86622 33399
12648 05246 94062 99330 61635 02886 96013 39718 69468 77284
15102 84520 32800 10831 93413 13431 30871 74153 92965 60610
17557 50050 64376 09806 74928 70845 95074 63041 13933 12544
18300 55643 78864 15429 65255 69260 00676 44577 44469 56425
99239 94688 53300 51170 45533 62677 64635 22508 24544 72240
09590 43008 49638 98317 61772 98880 25266 00000

12116/10275/8176 kHz, 20-02, 1500/1510/1520 UTC

11166 00052 41569 20097 00049 00000 00000 00000 00000

12116/10275/8176 kHz, 27-02, 1500/1510/1520 UTC

11166 00052 41569 27039 00049 00000 00000 00000 00000

20916/18730/16165 kHz, 28-02, 0900/0910/0920 UTC

11166 00052 65941 13025 02689
30079 16125 53727 34313 41796 74810 77365 52761 63178 66292
12253 09691 37885 10582 08523 02957 64790 43874 85717 70717
94079 59485 08079 62399 03577 93511 67765 40072 61177 16505
51298 71085 01510 23827 69313 47080 70291 58752 06205 85995
62456 39710 32194 99891 44576 65369 48572 76039 86602 31609
73237 86939 05542 09034 26744 99241 01253 01178 56128 29073
97812 23413 55129 15399 11982 99044 13599 77666 65615 76463
12371 47965 04012 39334 07779 46447 23124 29674 61313 78012
45676 89316 31148 42362 40844 88009 43740 08481 48780 07071
25156 51884 36818 38140 25317 66071 26465 57223 49800 75096
34381 00583 19658 21076 65810 34808 85084 73310 82941 32980
08277 03553 92360 96981 66140 71049 01611 93870 32414 59704
14041 32753 27580 68529 44529 61475 73386 81601 67962 69479
05484 08653 80283 24960 01278 18755 71575 32896 59519 59034
49643 84637 11743 37278 84824 32757 70081 32519 33655 88721
19020 24124 37087 63062 15017 23525 97982 05402 07612 97461
80482 85500 50108 61383 61054 71111 43264 54337 20952 52101
09036 68437 86914 80334 87282 78873 30053 49938 43483 22549
16102 10851 96820 80845 43763 95226 40491 60397 44387 87060
48078 14081 02124 97345 43282 41547 61846 32508 47227 72819
08992 69719 20425 40074 45564 21017 21617 59701 86622 33399
12648 05246 94062 99330 61635 02886 96013 39718 69468 77284
15102 84520 32800 10831 93413 13431 30871 74153 92965 60610
17557 50050 64376 09806 74928 70845 95074 63041 13933 12544
18300 55643 78864 15429 65255 69260 00676 44577 44469 56425
99239 94688 53300 51170 45533 62677 64635 22508 24544 72240
09590 43008 49638 98317 61772 98880 25266 00000

Link 10031

20639/17539/15644 kHz, 14-02, 1015/1025/1035 UTC

11166 10031 17935 14026 00049 00000 00000 00000 00000

20639/17539/15644 kHz, 28-02, 1015/1025/1035 UTC

. 11166 10031 15963 28001 00049 00000 00000 00000 00000

Link 10053

13464/11548/9323 kHz, 04-02, 1530/1540/1550 UTC

11166 10053 91735 04001 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 06-02, 1650/1700/1710 UTC

11166 10053 17935 06067 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 11-02, 1530/1540/1550 UTC

11166 10053 12347 11001 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 13-02, 1650/1700/1710 UTC

11166 10053 26843 13067 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 18-02, 1530/1540/1550 UTC

11166 10053 13579 18001 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 20-02, 1650/1700/1710 UTC

11166 10053 91735 20001 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 25-02, 1530/1540/1550 UTC

11166 10053 48265 25063 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 27-02, 1650/1700/1710 UTC

11166 10053 13579 27001 00049 00000 00000 00000 00000

Link 40122

18291/16071 kHz, 01-02, 0610/0620 UTC

11166 40122 13467 27058 03789

21745 70960 87239 18805 48185 81513 48463 51707 54126 30750

29330 13507 85729 03268 96740 36303 36520 81799 14930 68072

65420 06149 83861 88405 44181 79088 12495 92555 76395 30174

81591 24250 55275 73404 75766 54683 52399 19665 89463 31146

54589 29896 36542 43719 91127 19922 18172 83468 18494 52877

28703 90584 54805 80163 04225 15902 81154 16885 43482 44227

52027 62695 55839 52932 81990 03982 15992 04231 00841 58347

30092 94588 94389 47307 42997 09692 73086 08150 41315 58434

35663 80890 31937 84328 19979 31265 00749 77811 58264 95696

81199 37854 78945 59165 87433 56332 22241 01937 91643 23589

61710 76064 50366 78620 48954 97621 09375 52332 23635 65594

41891 77302 56034 43365 99767 62476 14298 63738 82351 56252

73593 43439 52736 46375 09335 18011 56023 70083 41686 33078

19264 32959 23521 52871 38115 59489 89022 72037 79170 26608

05115 41462 53433 45235 92923 44391 40139 02261 11432 83432

65781 72403 20538 64592 67991 56788 65692 89218 98977 18881

51302 89777 48203 16607 95099 70427 64980 54107 80646 38315

78682 01550 50178 36523 67285 56460 04962 14621 93813 44979

05363 97754 75575 86505 87807 40201 19677 70156 40829 74339

11619 16481 07375 90965 60629 22861 05582 11894 06418 16045

85191 40780 17048 60251 61793 03108 32606 94265 96092 11268

34360 95989 10385 15678 44097 97863 59423 27869 83218 01605

97866 26487 46986 65704 11503 82140 71518 64109 04421 62033
01694 39540 59335 00318 86180 99867 13238 45110 56365 31002
15471 18110 68165 24714 61105 47737 11522 44844 14717 61762
17253 80319 70240 50335 15958 58432 10598 35359 28663 16806
61374 07162 93887 57488 65048 14376 60829 31618 48103 17988
03346 28083 57964 45485 34424 64636 12465 06029 25834 04877
28436 52613 62630 49550 61698 02122 87221 75610 96884 49242
12664 21465 66529 35158 09892 41852 19687 56966 98750 80781
80293 28760 96142 35985 63154 30296 05147 13303 39631 04214
42832 94451 70238 87712 43413 66608 46301 89648 87278 87245
37904 48973 36939 82665 30264 35462 84411 03654 95813 78663
39714 86703 94025 36006 15164 94246 16332 36057 85155 46723
38213 57513 26126 69125 05695 30916 66376 02869 68419 72245
60469 52408 26492 86296 47714 69047 83282 99078 59962 92977
21372 12603 07500 02788 43827 49872 98629 31469 48004 52646
12084 47366 24046 82712 47141 23513 58376 00000

20072/18291/16071 kHz, 07-02/08-02, 0600/0610/0620 UTC

11166 40122 85236 03059 03549
71394 02739 02950 77235 18764 21537 59332 34303 95781 44627
62742 80883 25066 16617 68804 33068 51894 62997 75457 07960
73865 07177 51872 87045 51507 92305 91309 99194 17041 93814
17579 71731 23466 33619 99803 23005 01177 31919 55176 94902
14274 57537 44381 48743 33779 62725 89393 72984 69927 13381
68317 76187 30732 50618 66966 63670 99002 44616 91871 21287
45012 26691 74402 54783 16991 10535 20686 58146 76646 38543
87014 09400 71884 14185 85432 17276 63927 06341 49184 67211
51014 36552 12713 40081 55869 85119 85894 02145 69130 76985
27205 89603 65921 33339 45495 36231 37748 99879 85064 17512
06929 87685 73731 09716 15721 87605 38569 87350 07345 44133
19015 07435 41089 99686 32021 54023 08688 45239 68948 41424
44155 38231 28891 99541 44258 73707 18100 89792 41828 19612
70223 25016 99091 52187 67023 91835 13203 52396 64277 98893
51177 49330 52534 99404 56400 21521 07429 61458 93913 92096
09232 84521 26652 78730 36321 85563 39825 84307 62274 03249
55635 39250 11257 93633 05514 31448 51400 15805 52061 84715
30855 30899 77882 71726 86204 62932 83507 72356 77940 94892
61582 13377 32659 98514 39508 50426 96698 21191 07736 78212
30886 78442 75886 79874 01074 25403 23891 51433 44184 05733
40341 62286 14413 01420 65231 37675 39302 31894 79284 74056
40367 75898 07043 23324 97957 14545 25926 06819 65042 19009
98419 45060 59615 31281 69609 14130 90393 11427 97225 64669
95508 49790 06399 64393 98874 67572 86308 50095 13913 54225
70914 00045 49338 15106 70957 62746 96669 27814 49417 02978
04182 30666 57614 51047 66957 91730 74146 66223 87748 31867
13838 50246 88320 00212 98905 71884 75975 25537 09510 88466
94937 91926 55896 75310 17290 12211 39300 99015 53146 97586
93808 95528 84757 46873 26374 38937 54218 03823 97150 11924
59485 55950 07357 13815 38380 73293 86840 67168 45265 10554
98542 08830 50089 21059 02040 76402 14475 55970 43356 26063
24555 47192 63237 42663 85225 97401 41061 28051 05516 25651
16589 78561 29761 41966 56726 87590 94257 49394 59500 34217
14104 96928 12430 43792 29891 31747 47467 31435 68957 24204
59726 64386 00873 64018 82154 04135 91852 51089 33355 14278
87781 29371 59352 00000

20072/18291/16071 kHz, 14-02/15-02, 0600/0610/0620 UTC

11166 40122 80765 10060 03029
95775 52562 51714 19599 24743 29571 26824 91456 95554 91165
21979 50707 46979 13094 00469 11527 13535 61186 32634 06550
38059 22942 97543 14014 01167 23585 07042 96716 09799 37535
06834 26233 12030 31224 34320 90813 30344 98193 37854 10421
30546 72422 87110 07329 68508 30809 29255 05725 81938 20756
70606 58752 19352 73782 88467 26441 23443 91118 02826 52940
11028 12200 62600 16516 16770 02021 26131 50734 92855 18262
40590 60278 81814 44149 50006 79826 04671 97966 86597 49438
31618 55168 25080 04880 27399 44033 04661 06328 88576 00777
48395 53891 14897 95088 34588 63389 81906 62009 99939 00814
07042 01094 79110 98925 26351 28796 10412 04419 24060 95021
62278 29083 82142 99763 60249 03416 42117 70790 19109 56101
96215 88290 09900 67819 50155 67440 16486 72799 24665 34811
61347 06568 87976 59566 05310 23324 36457 25375 50881 31386
65577 53994 03893 20135 98393 16443 73124 76906 63740 92712
12610 17255 41318 65951 36302 77036 15863 62054 59794 39753
07581 70609 48770 97572 71048 08120 78890 69495 79748 09457
36785 25071 38442 58465 16849 87132 90562 93670 93526 11962
12812 50024 73774 70341 14154 22615 59377 77917 81390 63293
73827 48319 38504 46148 33437 67470 11959 62759 67370 12526
19151 33181 16303 63881 22180 43579 64366 83675 14155 46474
84091 59252 30189 84508 99026 34978 00308 23698 93711 80898
86425 07084 25712 71631 70595 64737 19387 73962 86720 41050
46079 66564 12905 25244 20429 40283 66634 96042 67478 52429
69988 16442 40265 33511 77041 39513 92602 69844 80675 11182
36706 10479 40963 80912 40387 71883 02329 56247 43473 38814
91659 62120 98158 84819 14562 90907 62970 60808 91959 54124
05030 25119 04195 71725 90306 13537 34851 59947 66549 72681
31465 03607 68573 05222 25316 23830 00605 00333 77492 77109
75362 47852 43413 46661 14564 59565 72988 11997 40544 46050
60300 00000

11166 40122 70654 10061 03009
88619 07656 13678 22534 08215 07041 95287 42186 05412 92282
40729 80294 24197 96080 52337 17751 90103 26449 46927 97299
85184 10322 17532 50968 78932 16927 94061 22137 32360 46896
32582 30664 17395 98031 87894 54523 18806 43664 49093 26382
10832 84555 42814 68549 25706 60268 33836 14754 56264 30945
77732 92166 59816 65440 05272 62114 55482 96731 43231 42932
32168 30555 01329 63368 09377 18208 79960 20003 18034 29434
78419 37107 93528 86362 08292 52375 98137 44401 41719 76980
15043 31056 49209 03378 81111 78587 06686 59305 50635 11455
76464 31412 07214 74485 91838 06944 65968 12703 99972 06948
33281 38753 42775 09409 16236 48862 80458 85764 98950 73271
87448 99240 28001 72082 75358 38440 74108 12445 22690 84619
62282 88036 15967 36099 87610 66759 31982 38234 58886 77600
15837 92396 37240 72585 34483 42395 61997 24778 10426 61770
80915 48234 65300 90411 27011 50886 27994 93925 09155 56259
87010 44197 08622 54981 91755 44578 98788 72014 32439 48144
30159 60542 53275 42451 47915 58458 78677 99238 34169 68393
57117 12511 92115 47206 52361 73428 14258 15893 36743 55464
01913 25838 66189 08240 28169 42355 41660 83498 61485 31449
86703 41643 92128 60735 95819 12273 28625 50460 33304 07172
56422 35557 87269 09164 75947 24669 08531 85291 62238 67090
89043 97751 13357 63551 59579 11013 79748 81785 11321 18570
91754 62824 71081 37761 27448 28950 84815 46090 87998 29244
89123 57492 72737 83677 75429 61971 71119 11663 76521 77063
13764 56029 30149 84545 49772 38333 99345 50844 42499 06464
54195 54565 00960 60464 44692 69591 89084 67516 19420 77190

79981 02024 69706 05558 47410 71726 03958 20238 11652 15795
81859 13867 81955 85821 63121 68665 62760 45679 50467 90124
15871 51144 31548 35320 95778 95254 49466 84290 00316 30329
56604 27926 03827 02576 31438 70790 65046 60240 61298 00000

20072/18291/16071 kHz, 28-02, 0600/0610/0620 UTC

11166 40122 56287 24062 03149
72926 46674 75842 16905 88786 58315 67897 07278 95337 85498
80940 83029 51294 73827 78122 10576 17033 41671 08678 98076
18286 17360 87678 62955 27499 64770 17684 08898 92568 45718
94467 23257 67617 92610 64027 30806 25514 89787 23033 64779
56818 86990 79933 41132 84835 93399 18893 46962 51477 25677
33740 79030 53605 08446 24133 93312 34559 50655 71112 51531
60534 46252 34238 75587 36524 72617 37499 45849 41492 85186
36177 04220 87470 31703 81849 47933 32280 34535 27740 25002
00536 14497 41569 67272 92656 54614 18127 22011 86541 27265
08733 67955 61611 33139 09779 26793 99899 25449 77545 05970
43885 17839 61468 33792 15750 99410 73054 72756 27745 05330
32630 22026 38367 16422 61107 45019 34011 86223 08954 83020
40808 18904 39565 40775 96323 46503 09214 54985 35806 78927
10765 81660 72671 25135 73357 63248 77921 08949 35224 61488
88163 27937 31842 66929 96942 28800 66609 21045 09053 97694
56221 11877 62530 88939 67944 29156 48009 40533 90976 89839
80120 49935 09068 69982 00643 08528 66607 03904 18066 18214
45348 36577 13278 38576 93967 40169 66043 38047 77645 30692
81978 47513 39848 45677 24696 39799 93515 68830 82816 83477
83815 12594 26532 44416 89679 94553 33400 33532 56295 68638
88075 24167 75730 97034 85644 87527 57910 73763 93265 19639
59093 35860 49797 58223 60067 23081 08102 12977 11237 72089
49709 57648 86790 56048 26542 57377 15138 05560 09361 29726
77806 71892 47655 62831 93984 18434 70632 39136 32886 51293
84017 38113 21147 25014 42332 16435 37423 84310 01359 89024
11381 27789 80462 59419 69274 04566 89464 72889 93289 79743
99752 90748 86844 29669 64321 09292 63038 52912 16423 71805
98423 07904 01518 47071 19312 13181 22216 72819 12772 71150
00891 87560 79528 01346 89663 99228 70951 94070 82425 64084
77297 20415 08615 74303 59421 59534 13404 77697 41130 29167
54009 78004 04366 30301 66800 89176 54406 41949 84895 42110
47282 26949 62312 00000

Link 40133

22878/20216/18253 kHz, 10-02, 1500/1510/1520 UTC

11166 40133 17935 10037 00049 00000 00000 00000 00000

22878/20216/18253 kHz, 17-02, 1500/1510/1520 UTC

11166 40133 86125 13037 02149
27650 59652 88837 85817 81401 18241 18253 17398 23312 30434
13843 68659 76857 98962 42850 60511 66993 71023 71503 15031
66163 10520 11519 81203 75020 25743 79300 58211 82689 78177
88856 97586 64532 95892 89885 02240 82504 10629 91304 12691
33697 52812 59375 86376 25091 50481 21024 30563 10247 69016
52334 85731 86866 92995 50993 17403 20037 64003 90071 99747
69216 89257 21939 24022 84938 94084 70703 22997 37526 53771
79146 83075 79593 57092 05115 48130 70314 48093 84819 63754
18726 20302 97536 05108 06877 71937 45876 60599 34859 88175
82351 15485 09801 85833 63668 95216 89584 58043 47678 43093
10009 82497 37607 71577 62407 20647 21070 52074 97769 25175
11402 40560 68352 77196 08143 91987 23041 72709 64574 19155
36556 07909 10723 90128 89433 40709 32638 07627 03664 91202

41278 15759 40438 66883 04864 19894 85907 12828 33417 31430
66288 36676 16362 08886 45218 24233 49080 88459 36701 50209
98213 85166 13771 94475 45675 81989 48232 93261 14517 22637
99530 16224 58375 25906 90419 99670 62554 44378 51171 83719
17167 92165 10287 99557 68064 46545 31830 69949 09864 87815
27046 73372 78413 96961 25669 96293 74897 96034 11555 54044
95638 80083 64143 43369 11738 63735 42416 48599 38376 41780
57721 49167 01158 59340 70739 77943 51624 74075 78498 10581
65523 31989 37212 00000

22878/20216/18253 kHz, 24-02, 1500/1510/1520 UTC

11166 40133 56248 24001 00049 00000 00000 00000 00000

Link 60070

8176 kHz, 06-02, 0040 UTC

11166 60070 15739 06074 00049 00000 00000 00000 00000

Link 50046

17434/15625/13496 kHz, 03-02/04-02, 1100/1110/1120 UTC

11166 50046 83721 02024 02389
35789 79079 99913 40530 92856 63684 54106 63673 30904 20165
77912 82228 37254 28732 78937 21829 66080 62927 52351 11119
83970 03916 21220 80852 83203 73960 87881 75776 29161 09078
23486 64624 98995 89915 06633 33587 90458 88425 29757 36562
09166 73096 94136 65027 45841 26885 09008 55140 40406 09464
70467 91000 21611 52123 78998 23886 97718 00825 01281 71122
95349 11127 91334 94508 09436 71032 56234 24619 19822 30847
28826 01850 47121 79263 07206 63762 87503 78846 29613 02672
94875 10367 08451 87316 74600 45989 95170 62232 80300 59526
58573 03686 96574 03339 58486 33716 19552 36110 61008 27346
60789 11456 33525 60538 70676 35919 86212 36224 06785 99275
37620 93804 64614 03617 27078 72159 37419 55561 16027 32069
51254 83575 55123 95660 07939 65864 83812 17826 90633 47212
40595 40901 53187 81707 47893 60606 11218 39369 02149 50691
19031 38614 94082 68474 49658 37638 62535 29370 12031 06263
32197 03411 43483 69701 65610 90679 77249 20601 68437 87377
68714 46543 00884 32485 35784 32539 55453 60302 00366 80980
89279 30343 56577 37761 55130 42523 18900 06371 63285 48534
49023 18892 55298 01414 69178 73624 42333 41202 09417 94748
97312 31060 70263 51836 43033 14593 48713 05917 06641 60283
78306 61142 11040 48025 77762 93311 04079 78611 24858 01528
10912 76886 50257 75911 89212 99242 49259 27903 33919 19039
43342 33043 41448 32221 27930 49585 30071 20073 56738 25055
98269 65748 31770 50238 08584 70917 24236 00000

17434/15625/13496 kHz, 10-02/11-02, 1100/1110/1120 UTC

11166 50046 17582 09025 00809
19869 89076 99913 40530 76936 73681 54106 63673 14084 30162
77912 82228 66693 39677 87145 53638 57985 23408 40693 01384
39561 21498 50806 60797 12567 85272 71037 37985 32889 43251
15467 56215 96450 84905 76265 62497 64872 48679 33321 76743
35567 18604 09961 10767 14686 29974 35498 17201 80645 23917
42737 01001 61214 76866 84112 94727 37012 66955 30152 35888
68722 84207 17707 31912 15491 00444 57006 89339 47963 06012
66664 06998 00467 54310 77645 25991 36781 92743 25078 00000

17434/15625/13496 kHz, 17-02/18-02, 1100/1110/1120 UTC

11166 50046 78342 16026 02649
13029 49083 99913 40530 70196 33698 54106 63673 18244 90179
77912 82228 40175 37588 02691 28500 89389 81123 01334 86642
56896 81166 28122 33067 91886 04125 26257 80466 82121 72269
16728 44726 56568 54244 14455 07908 86996 93107 64737 83259
36500 81937 77017 03057 82194 71531 44433 58409 77277 35591
89304 94822 48628 23442 88531 57903 17456 14062 95784 77940
20971 82195 40438 09265 33453 72972 15609 80973 40032 84517
18698 15773 52513 37178 33122 56343 79609 09322 91657 57757
90479 89287 61114 67860 81734 01469 29329 22631 31652 96721
46771 41644 56275 29460 53353 07799 26025 44214 89454 54090
54316 26919 49687 10428 74967 07074 51719 86148 89598 11965
63485 97828 34630 18796 34328 49818 98631 72680 59106 82309
95833 32754 38425 45567 10701 35695 04954 11743 16084 35776
06154 80973 99385 43933 43006 21276 58172 34231 16523 18824
07741 13101 98484 84422 04773 99550 99681 70260 31936 69896
12558 72354 07620 61541 88541 28594 17464 57588 71779 67518
54363 33745 54781 52181 57643 77151 66920 63652 27374 13108
84404 03033 69597 14854 51722 33823 71496 24012 89039 25938
28318 14724 40054 57118 51770 18861 26817 17614 38524 50508
97311 63108 21221 33994 02967 32589 25017 59415 88056 11746
82899 91121 15748 21351 49143 20194 78568 27138 60851 01768
12188 82311 03403 08346 17113 74369 18070 35391 15582 16203
62805 24861 50729 18541 63355 61615 87276 04943 86313 09651
55457 96786 73650 28294 40926 04628 80669 76216 39232 54862
40581 29055 21145 76010 34041 56872 21281 69889 64813 60214
55645 07924 61302 91101 60033 17341 89620 07942 24690 09463
56487 83466 26262 00000

17434/15625/13496 kHz, 24-02/25-02, 1100/1110/1120 UTC

11166 50046 83571 22027 01209
11599 89099 99912 40530 78666 73604 54105 63673 16714 30185
77911 82228 49116 92975 47471 96388 58674 89792 95004 50872
17129 90016 49572 72452 60579 00461 20783 02599 27968 89898
23304 69759 54896 25625 62327 44828 34723 55807 94964 33210
17330 78349 26196 57693 88072 30805 90504 51504 75559 10937
93129 77766 31193 43668 99974 40842 88124 90805 38473 99501
29038 77647 63901 05406 61460 30580 86612 20187 04501 43561
80253 19448 28985 38794 05364 99539 66919 19203 61350 18713
60326 05863 55734 36209 33997 38180 54832 08619 53024 88746
21596 82517 14508 56566 35232 66956 73825 17739 55225 98423
82588 74041 51160 33585 25587 54236 94830 44912 25278 02031
60191 11077 39121 77150 06041 51176 77193 92417 27118 00000

Link 70004

20894/18429/16153 kHz, 10-02/11-02, 1000/1010/1020 UTC

11166 70004 91328 09004 01919
15766 70027 84086 13730 82759 55566 22788 45738 63403 99108
86175 53318 07585 57127 53834 31266 32470 28432 42936 11936
11611 59639 91773 63472 92328 07799 73861 91917 38569 90688
89789 93858 11207 84674 44962 40266 20513 21815 53905 27157
88926 93806 26535 94155 47283 18213 08250 76301 37184 33586
14186 29651 20746 21421 72249 90665 75077 45008 30549 62474
04608 31475 56658 36921 18067 47691 93992 44149 21394 99036
03839 01396 34411 59566 05900 80932 79125 31715 20867 48124
67139 89989 48101 81328 72500 32299 41414 09756 77446 21877
43966 43042 13237 49458 55121 79175 11105 19911 85673 45673
32931 73727 24988 79618 75803 09802 85323 48714 19967 72976

37932 79049 95848 62881 39833 82514 39829 44786 90965 31215
89034 39523 05793 80081 62086 54521 38708 40509 23875 59023
59374 36329 90187 78989 74686 65576 94476 17337 62506 74797
61511 04496 10325 64514 00761 26782 03152 41968 75011 01674
62685 77254 66186 80279 21793 07318 51307 01181 66434 15129
57430 65250 07529 79288 21955 74907 84962 55257 97572 90238
81404 18778 73225 65232 05196 62720 55970 47915 13359 72611
14325 31852 10429 13338 20550 40777 78893 44099 03192 04189
00000

20894/18429/16153 kHz, 24-02/25-02, 1000/1010/1020 UTC

11166 70004 91328 09004 01919
15766 70027 84086 13730 82759 55566 22788 45738 63403 99108
86175 53318 07585 57127 53834 31266 32470 28432 42936 11936
11611 59639 91773 63472 92328 07799 73861 91917 38569 90688
89789 93858 11207 84674 44962 40266 20513 21815 53905 27157
88926 93806 26535 94155 47283 18213 08250 76301 37184 33586
14186 29651 20746 21421 72249 90665 75077 45008 30549 62474
04608 31475 56658 36921 18067 47691 93992 44149 21394 99036
03839 01396 34411 59566 05900 80932 79125 31715 20867 48124
67139 89989 48101 81328 72500 32299 41414 09756 77446 21877
43966 43042 13237 49458 55121 79175 11105 19911 85673 45673
32931 73727 24988 79618 75803 09802 85323 48714 19967 72976
37932 79049 95848 62881 39833 82514 39829 44786 90965 31215
89034 39523 05793 80081 62086 54521 38708 40509 23875 59023
59374 36329 90187 78989 74686 65576 94476 17337 62506 74797
61511 04496 10325 64514 00761 26782 03152 41968 75011 01674
62685 77254 66186 80279 21793 07318 51307 01181 66434 15129
57430 65250 07529 79288 21955 74907 84962 55257 97572 90238
81404 18778 73225 65232 05196 62720 55970 47915 13359 72611
14325 31852 10429 13338 20550 40777 78893 44099 03192 04189
00000

Link 70048

18923/17414/14949 kHz, 14-02, 0800/0810/0820 UTC

11166 70048 45312 14062 00049 00000 00000 00000 00000

18923/17414/14949 kHz, 21-02/22-02, 0800/0810/0820 UTC

11166 70048 35741 20015 01559
77019 75096 31865 50900 76952 21308 56917 30809 88842 97178
16702 92344 82097 56986 65878 33541 39354 59783 88700 81287
97234 76472 00841 83072 14143 67187 24188 89109 67820 92398
20137 00291 91796 10758 89853 60116 71261 94116 03274 84164
33700 67721 22434 43221 33419 18106 24068 72933 01415 79512
98981 18155 63721 84259 82325 58892 40591 83462 72363 53664
96508 05111 52155 35185 73256 58187 37032 27671 66691 70804
29855 32994 41182 74417 82674 15990 68370 13273 94431 45638
73136 34897 61482 20987 17156 14449 52596 91853 85948 70145
18322 46265 18030 37784 39668 35480 34035 60855 90505 46518
04395 32178 40943 27568 45173 53699 87455 22053 63350 30537
89463 32389 21077 20432 42688 38607 54199 43924 09811 34963
34748 50138 40289 22633 06495 05637 74157 40955 66185 12719
99118 03229 71015 06101 97992 94987 83403 14473 08455 36244
19233 27587 58355 60932 55105 68853 04192 78721 30219 95205
80612 35422 51961 15153 00000 0000

18923/17414/14949 kHz, 28-02, 0800/0810/0820 UTC

11166 70048 15469 28053 00049 00000 00000 00000 00000

Link 70059

7328/5778/5126 kHz, 05-02, 0500/0510/0520 UTC

11166 70059 97531 05001 00049 00000 00000 00000 00000

7328/5778/5126 kHz, 19-02, 0500/0510/0520 UTC

11166 70059 35908 16019 01429

38488 23315 27961 85921 26702 96276 54928 17330 68505 25412
05752 42433 17707 05320 35440 07907 62378 11337 01317 10615
40575 10626 23139 76253 64459 91988 53128 34265 58412 74759
00628 25675 83297 13814 25975 48186 52101 48446 87721 42683
71371 59790 20315 83465 64001 47842 93202 24686 61516 67408
32488 96547 81605 27501 87199 93181 11843 71038 89640 17935
30441 90509 71389 29413 41403 88298 68250 40722 72887 52589
50135 13024 28902 90985 64892 58607 99292 18488 61475 40591
44622 67528 90384 46777 30162 64454 38230 75645 05647 54007
70901 92473 41140 99396 51899 03072 89478 96650 19851 45128
48381 12109 80280 25032 81331 33099 56917 91269 18732 78856
70467 75232 54562 50802 81016 52641 32320 36859 27383 47295
92635 15332 51606 72869 76257 81151 82002 64088 52275 89740
11161 78687 69307 47522 22232 59489 94869 39717 18520 63249
19140 00000

Link 70147

13979/11649/9499 kHz, 10-02, 0900/0910/0920 UTC

11166 70147 46735 09075 01749

79595 33185 94688 58128 55161 13962 87480 94306 61955 07393
82744 84902 57319 74216 69778 67701 47591 16118 68422 82697
28467 85377 44051 28316 14156 69983 54302 61920 89036 86333
03616 42711 82683 48939 52589 88856 66057 34655 26544 57413
10137 18840 60730 41666 36546 16696 96300 86771 02198 13438
05699 78683 04865 47024 49487 82565 60003 63114 72270 25437
95703 72402 65850 35338 88856 61271 61881 20344 86226 28398
55761 07702 28824 30009 96014 80322 77938 75639 76892 32556
04090 79046 44690 84990 15075 13440 52343 05931 26710 13494
91758 53569 23247 39155 19998 21084 44933 20704 11128 39181
07556 15774 60411 04531 22040 38675 93004 78706 46721 48088
85031 81043 05982 08684 46395 74735 88400 67451 48944 29301
78499 53433 89922 20405 36851 09953 89352 99318 33817 12919
86681 56031 18915 11249 03983 31084 23698 87737 78292 96125
18122 46669 35588 61724 22754 69461 92945 57375 75708 96343
82837 71653 21234 08112 44493 87523 27307 46484 50124 20227
18473 33738 13355 07409 85225 46085 61836 12113 26653 02729
13658 17677 75172 00000

13979/11649/9499 kHz, 24-02/25-02, 0900/0910/0920 UTC

11166 70147 48657 22076 00829

48355 33108 94687 58128 24921 13985 87489 94306 30715 07316
82743 84902 02541 83301 89478 42532 35711 94341 34014 34569
22168 50628 03902 54168 16551 79823 66191 14290 03434 31795
59678 21701 02581 45944 47399 54874 69865 00255 90286 38099
03020 18322 15811 84184 50406 81397 62045 40100 04900 03080
46292 40618 58426 92863 87803 55718 42070 40317 84475 77728
32620 21375 29013 90091 51017 08957 40582 36649 34072 50966
11785 99632 35747 62231 80623 02316 09983 38137 15914 41328
76080 00000

14893/12196/9917 kHz, 01-02, 1310/1330/1350 UTC

11166 80214 32674 01003 00049 00000 00000 00000 00000

14893/12196/9917 kHz, 08-02, 1310/1330/1350 UTC

11166 80214 23587 08064 00049 00000 00000 00000 00000

14893/12196/9917 kHz, 15-02, 1310/1330/1350 UTC

11166 80214 59874 15159 00049 00000 00000 00000 00000

14893/12196/9917 kHz, 22-02, 1310/1330/1350 UTC

11166 80214 45678 22044 00049 00000 00000 00000 00000

X06 - Mazielka

Code	Freq	Date	UTC	Day	Sequence
X06	10161	5-2	0759	Mon	Sequence: 165324
X06	11030	16-2	0912	Fri	Sequence: 324615
X06	11136	27-2	1301	Tue	Sequence: 261453
X06	12089	1-2	1231	Thu	Sequence: 352416
X06	12177	26-2	1246	Mon	Sequence: 364152
X06	12215	16-2	0956	Fri	Sequence: 361245
X06	13448	1-2	0824	Thu	Sequence: 162543
X06	13838	7-2	0805	Wed	Sequence: 256341 Ended at 0807 UTC
X06	13979	7-2	1106	Wed	Sequence: 215346 Ended at 1118 UTC
X06	14358	6-2	0935	Tue	Sequence: 154263
X06	14595	18-2	0705	Sun	Sequence: 452163 07:05
X06	16115	7-2	1118	Wed	Sequence: 215346 Ended at 1128 UTC
X06	16219	16-2	0938	Fri	Sequence: 324615
X06b	4890	12-2	1211	Mon	Sequence 111666
X06b	6857	5-2	1900	Mon	Sequence 111666 before E07
X06b	6857	19-2	1900	Mon	Sequence 111666 before E07
X06b	8094	8-2	0700	Thu	Mazielka
X06b	8147	9-2	1537	Fri	Sequence: 616111 before E07a
X06b	8147	9-2	1542	Fri	Sequence: 616111 before E07a
X06b	8157	28-2	1952	Wed	Sequence: 616161 before E07
X06b	9347	9-2	1538	Fri	Sequence: 616111 before E07a
X06b	9347	9-2	1543	Fri	Sequence: 616111 before E07a
X06b	10112	4-2	0633	Sun	Sequence: 111666 before E07
X06b	10112	4-2	0635	Sun	Sequence: 111666 before E07
X06b	11112	4-2	0632	Sun	Sequence: 111666 before E07
X06b	11112	4-2	0635	Sun	Sequence: 111666 before E07
X06b	12112	4-2	0631	Sun	Sequence: 111666 before E07
X06b	12112	4-2	0634	Sun	Sequence: 111666 before E07
X06b	14538	25-2	1430	Sun	Sequence: 111666 before XPA2
X06b	16161	2-2	1024	Fri	Sequence: 111666 before E07
X06b	16161	16-2	1039	Fri	Sequence: 666666 before E07
X06b	16338	4-2	1411	Sun	Sequence: 111666 before XPA2
X06b	16338	6-2	1426	Tue	Sequence: 111666 before XPA2
X06b	16338	6-2	1429	Tue	Sequence: 111666 before XPA2
X06b	16338	25-2	1420	Sun	Sequence: 111666 before XPA2
X06b	16338	25-2	1423	Sun	Sequence: 111666 before XPA2
X06b	16338	25-2	1429	Sun	Sequence: 111666 before XPA2

11409/13509/14609 kHz, 05-02/07-02, 0700/0720/0740 UTC

456 456 456 1 456 456 456 1 456 456 456 1
00385 00207 26328 52821 59677 16613 27973 65697 51593 12884
15469 15786 39840 34678 22937 18977 68524 59115 40286 34644
68188 48590 16351 11036 19705 81869 02920 62288 78405 54100
71361 29180 38672 01982 76532 24117 80985 27284 10741 06586
76699 08701 22707 86513 55197 64350 14004 68625 82821 88645
05018 09316 33134 09203 35116 71508 08600 37623 22026 24820
75251 65944 94036 75507 51657 84544 84558 66276 14862 18703
55478 51570 91540 68465 06984 78463 68198 46362 39237 52242
80693 57210 25557 79374 29218 28911 34166 46401 50810 58314
56049 88317 84760 09454 92258 83052 90185 77271 86438 41446
30521 01780 43715 51002 29935 07068 36970 33149 54315 50160
46494 11467 43187 42653 26765 65300 11287 00792 45714 71150
85793 52333 66062 72660 04601 47982 35140 04437 39523 76355
38241 32847 03074 77692 86561 57312 83196 71601 41415 82754
39135 51061 93925 33316 05400 76952 96319 30888 64897 72341
88797 16973 03330 10195 67601 37723 70865 27812 30580 41399
23368 76249 25832 75985 53244 03465 81677 75912 60678 88840
38540 16576 71733 57186 37466 58328 16913 50974 95876 94351
88327 14882 65725 37025 17690 86835 11009 29281 59594 44436
81867 57084 44563 77730 40307 53840 90287 85492 32297 98714
00402 62906 63871 75584 30391 12429 71025 98996 04295 25045

11409/13509/14609 kHz, 12-02, 0700/0720/0740 UTC

456 456 456 000
09500 00001 00000 33661

11409/13509/14609 kHz, 14-02, 0700/0720/0740 UTC

456 456 456 000
04033 00001 00000 32657

11409/13509/14609 kHz, 19-02/21-02, 0700/0720/0740 UTC

456 456 456 1 456 456 456 1 456 456 456 1
00411 00177 76355 62592 33146 70055 01817 03664 56551 73371
14813 34093 03913 84755 07260 41894 45800 09521 83007 32663
45566 16631 24821 78135 38103 13011 64771 45482 16430 66546
96631 69895 63739 73194 49173 08845 40171 10031 95185 51024
63292 02706 97308 16190 41379 21289 08914 41717 20626 54400
82522 48501 51989 83304 57152 92689 51909 40875 42397 96844
30939 75245 97242 01468 09083 97516 60760 03783 57007 79938
35998 21094 60629 95264 43309 50329 26350 36261 66854 79879
39287 09977 40806 63330 09616 55429 00788 02727 41369 55736
99671 80146 61737 63722 30791 55837 10212 93680 84049 32148
54650 70764 73511 49959 86109 34438 50264 98390 07621 09293
73134 92716 15666 24994 37253 11125 29373 92839 20204 18085
24688 40475 65260 62228 41943 39235 81505 68336 68792 04127
01264 18630 50496 76471 86099 10853 10378 01026 67448 41200
26257 47949 95393 13392 03032 65687 38084 76449 23585 02652
55105 70208 96816 40869 62713 16775 07922 63676 81235 30376
59641 83045 52023 62584 05492 09556 28700 58626 49205 31660
81007 75999 16718 73320 79005 90041 57548 10471 47023 63272

11409/13509/14609 kHz, 26-02, 0700/0720/0740 UTC

456 456 456 000
01223 00001 00000 33653

11409/13509/14609 kHz, 28-02, 0700/0720/0740 UTC

456 456 456 000

08102 00001 00000 32660

XPA2

14558/15958/17458 kHz, 02-02, 0700/0720/0740 UTC

09110 00149 03577 91442 56617 50338 13000 97216 93049 39935
24022 99146 31150 67924 18135 94752 13235 52122 20839 25143
46249 40058 59846 33308 96422 63416 20975 63370 48424 49146
79458 10449 70694 33429 28196 65661 89970 85951 97162 19509
51956 68851 63125 76666 50826 72958 64220 72560 85468 13341
85459 15038 71968 71906 27136 75225 81642 39697 98335 90358
48183 23427 40826 15873 73547 41273 78387 62414 82759 02377
39341 32681 90915 02413 71883 27811 50916 20336 77834 23957
14136 28101 47069 53728 63172 03046 00404 79812 60255 77960
39362 17115 76171 58898 29402 46343 51639 08359 95442 35999
10775 00267 09719 45056 83000 68952 20927 60380 59365 45732
79352 65210 06548 98050 48411 43563 35360 51276 18452 25817
01464 13551 14729 83949 87767 92496 86619 01081 85476 65154
77130 11843 13259 34464 30134 73782 17709 84715 19723 97015
39111 03884 96672 64600 53247 74093 18605 01262 29554 51099
72912 27152

18667/17419/16212 kHz, 02-02/03-02, 1400/1420/1440 UTC

02957 00095 54793 86954 47641 27322 47308 80050 76607 33390
95290 11086 82444 66466 77723 33750 62181 42102 67914 15549
92328 16278 45037 67838 28818 24666 16860 32653 88502 16256
24577 84443 13503 20608 80128 78411 42211 32805 06146 31552
70665 30880 36483 06763 28237 56166 51260 84317 94570 05886
55996 81794 47281 29275 63941 92259 56393 20581 14697 62656
72975 82320 03499 33657 22843 45470 05413 80819 39573 48428
58373 09314 22201 42251 04080 93699 92321 16517 71326 61487
33547 00241 96064 44029 02380 83293 47675 71450 78080 67243
09769 31378 56839 59870 39572 87150 08526 46734

16338/14538/13538 kHz, 04-02, 1500/1520/1540UTC

03131 00001 00000 10140

12137/13937/14737 kHz, 05-02/07-02, 0800/0820/0840 UTC

05884 00185 14708 05303 04563 87114 19595 91654 20845 34122
41352 94607 08925 80903 68976 75018 14138 67113 00879 95521
45708 77857 27374 86548 13774 76013 69509 76177 19358 64920
83419 02377 35874 99414 84412 30702 11300 12136 79734 23767
53148 91066 72811 57053 27075 39676 58539 28801 61013 13605
51253 44657 56887 89319 47864 09972 38300 72052 39674 27451
11402 22749 57979 15614 72714 58643 08399 74429 81046 94142
59619 25451 21858 00270 61498 76122 92195 10931 23240 69295
39614 98842 24520 19921 27589 01116 93617 84495 51811 07360
35396 62845 16831 66007 96924 76726 08398 68823 76816 64843
10635 76472 08242 00885 19474 85120 02427 02676 29125 25965
87646 97595 98701 69270 66418 44093 59165 48487 43397 93620
31597 69040 64304 06314 62348 76194 71577 21524 45335 27434
82634 70172 32452 33744 63907 17421 10662 44485 06586 52275
01668 50324 67387 38405 00080 86658 76985 90815 43171 74777
14772 29967 09797 25736 24949 19013 98899 79291 90311 92782
56151 45631 20294 35783 88533 97176 06017 06820 85410 19082
94730 80990 72406 67910 34123 24155 07601 72362 26062 42601
59045 65635 44530 84406 35955 38146 58420 42760

14558/15958/17458 kHz, 06-02, 0700/0720/0740 UTC

09682 00001 00000 10140

16338/14538/13538 kHz, 06-02/11-02, 1500/1520/1540UTC

01006 00079 65526 75869 31243 74036 54125 08588 82570 38284
83973 47478 42476 34122 05618 88323 02891 44349 89106 71836
08938 96082 74797 34193 33207 94304 42631 46563 78558 15311
37443 63793 90417 21580 92550 03237 58067 29254 04217 97731
50436 56564 94833 47927 17854 15661 83045 15161 80453 52250
61026 30148 21811 22896 67011 23628 83225 42921 55473 67229
24060 80555 31407 24805 10461 78445 08852 86307 23538 74955
12912 42590 54597 13384 85358 18423 46005 41532 58518 65963
40513 42076

14558/15958/17458 kHz, 09-02, 0700/0720/0740 UTC

07706 00001 00000 37657

18667/17419/16219 kHz, 09-02, 1400/1420/1440 UTC

08571 00001 00000 34267

18667/17419/16212 kHz, 10-02, 1400/1420/1440 UTC

01118 00001 00000 35652

14558/15958/17458 kHz, 13-02/16-02, 0700/0720/0740 UTC

05719 00185 71891 01494 96117 84202 14985 97812 71065 23083
83907 89109 44371 73994 02389 93710 04639 35848 90139 70984
52244 66938 33102 03401 54289 06265 52661 12179 76946 37521
86342 28020 71146 00983 93316 59712 62206 86690 48131 22604
36653 64734 27367 11088 36886 53098 95827 48333 80215 82228
42601 72085 21882 32203 98307 20356 95711 46245 10119 46842
55664 98151 87160 16154 08494 16884 45437 59452 84573 68159
10930 68757 29146 72869 68765 47079 60619 82624 95066 72800
25617 11897 91333 74965 80132 75991 28116 96667 33100 45917
48530 19190 31715 77161 03989 62368 80368 42594 72820 29193
32549 34944 84047 20459 45740 81392 25830 40995 48403 35548
94029 89433 27995 93204 44076 96948 63300 98487 91311 48545
49120 70189 73866 02667 12040 40412 31981 50196 97245 21296
05497 26969 85246 86691 19422 10234 54140 22330 01710 06329
89534 36668 83519 79590 96086 63114 06140 62923 23847 30860
37443 14535 82630 42205 30811 17363 89738 94914 70364 22554
63328 42849 89902 70208 90373 40369 76921 13094 37522 56990
31614 82540 08416 65262 74613 04304 15938 99583 07525 93913
88529 90344 96949 20886 26233 03704 17966 57316

12137/13937/14737 kHz, 12-02, 0800/0820/0840 UTC

05742 00001 00000 35661

16338/14538/13538 kHz, 13-02, 1500/1520/1540UTC

06472 00001 00000 34265

12137/13937/14737 kHz, 14-02, 0800/0820/0840 UTC

03929 00001 00000 42255

18667/17419/16212 kHz, 16-02/17-02, 1400/1420/1440 UTC

09261 00069 96985 77488 66948 36857 76025 80610 00008 95182
89489 06478 54356 32621 34310 16263 62367 02992 06625 21575
35587 14065 08220 09956 90008 20742 77669 18376 52505 80076
81849 00566 49948 24117 97793 76465 99040 88780 24526 31134
67650 13451 58154 25626 42576 98521 04775 35790 17689 72345
13604 06091 86713 10980 80494 36966 51322 23589 30534 81100
55663 64342 52362 75909 23300 96690 48177 64165 18597 85528
10559 37111

16338/14538/13538 kHz, 18-02, 1500/1520/1540UTC

06301 00001 00000 33256

12137/13937/14737 kHz, 19-02/21-02, 0800/0820/0840 UTC

00194 00165 48402 02426 45225 54878 33981 48748 84233 30139
36678 79109 39078 43139 31135 27514 70058 81239 54142 94951
69022 91032 93870 53408 54596 20762 94238 40046 52575 59852
22632 92233 64268 38712 51315 00253 86272 39283 76460 07799
38323 13306 76663 46795 30922 97382 32843 67709 46287 41197
42225 19178 97859 99038 27836 34300 78975 96547 79877 29636
94798 47219 81144 17548 70569 83199 56919 72926 95414 03377
03668 48360 27132 61240 06254 01657 33838 14007 70209 11704
34194 31567 24088 85008 55752 89940 60639 12653 85800 37714
76577 84442 13455 72259 23250 66961 75395 36240 18983 71035
47249 90722 33418 98395 12770 04932 13312 38314 80529 53314
08466 50396 83565 11049 94046 65333 43371 89739 18344 05838
31061 41683 34377 57206 81252 45144 75988 95955 39394 02799
39084 62335 47942 21301 04204 73831 34169 20012 55196 49293
24697 33820 54729 84809 05814 48788 38918 79934 07076 70974
55035 02628 41245 05426 71805 22948 81512 34025 75509 73085
20233 06928 81636 32304 44434 07256 25232 46330

14558/15958/17458 kHz, 20-02, 0700/0720/0740 UTC

07077 00001 00000 33666

16338/14538/13538 kHz, 20-02, 1500/1520/1540UTC

00159 00081 28759 93747 67865 96233 84670 80139 01079 54961
28044 85303 98297 71661 30922 57608 60209 06067 64327 59053
02251 66645 45486 73196 09614 65919 62868 25132 82276 23290
90998 41465 13215 90433 66924 69230 32213 96449 43094 74641
51541 66104 48124 74937 72421 29903 05449 62182 92556 53517
25071 02318 83324 00453 57347 61443 21196 87388 04572 49492
49042 01417 07037 59652 04577 65638 97185 94077 00042 56289
38877 22822 67085 81911 59045 34638 61515 20110 50374 42765
30251 72448 72741 73653

14558/15958/17458 kHz, 23-02, 0700/0720/0740 UTC

04819 00001 00000 40646

18667/17419/16212 kHz, 23-02, 1400/1420/1440 UTC

05929 00001 00000 42257

18667/17419/16212 kHz, 24-02, 1400/1420/1440 UTC

09661 00001 00000 34667

16338/14538/13538 kHz, 25-02, 1500/1520/1540UTC

00159 00081 28759 93747 67865 96233 84670 80139 01079 54961
28044 85303 98297 71661 30922 57608 60209 06067 64327 59053
02251 66645 45486 73196 09614 65919 62868 25132 82276 23290
90998 41465 13215 90433 66924 69230 32213 96449 43094 74641
51541 66104 48124 74937 72421 29903 05449 62182 92556 53517
25071 02318 84324 00453 57347 61443 21196 87388 04572 49492
49042 01417 07037 59652 04577 65638 97185 94077 00042 56289
38877 22822 67085 81911 59045 34638 61515 20110 50374 42765
30251 72448 72741 73653

12137/13937/14737 kHz, 26-02, 0800/0820/0840 UTC

02880 00001 00000 35162

14558/15958/17458 kHz, 27-02, 0700/0720/0740 UTC

06529 00101 99177 63913 28738 89812 31636 78065 66789 65692
25882 00072 30167 26701 47611 62104 33431 08758 93366 07247
17655 96524 65170 98808 17714 52070 72884 33395 66619 76944
07432 81880 14407 43643 86527 06500 99369 24956 21735 06809
11795 66581 39497 60004 54418 87002 11763 96634 69927 81495
65885 98809 56386 72564 98644 10580 11176 31430 28329 37568
61152 96590 85606 10234 21259 85952 52437 85098 88174 50559
07355 46558 67920 55525 54217 00631 81831 76045 58180 66883
33329 73778 58280 20563 95693 24369 06880 77523 04421 74004
58011 43371 83002 25651 19934 94019 14300 31449 41667 46222
65813 37728 30587 06665

16338/14538/13538 kHz, 27-02, 1500/1520/1540UTC

05763 00001 00000 36263

12137/13937/14737 kHz, 28-02, 0800/0820/0840 UTC

09322 00001 00000 33663

F11

Error in the 1155 UTC transmission. Should be a null message, like 1160 UTC and voice equivalent E11.

6807 kHz, 14-02, 1150 UTC

0325 0325 0325 0325 0325
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

6807 kHz, 14-02, 1155 UTC

0325 0325 0325 0325 0325
88888 88888 54154 27691 51563 12829 19787 10956 72856 48524
76616 84444 90575 15489 10526 13280 46158 32913 07326 63669
16330 42884 16995 07912 28006 97584 52810 84038 71493 97979
19307 45515 23989 63094 27146 88888 88888
00037 00037

7317 kHz, 14-02, 1205 UTC: 464/00

6807 kHz, 20-02/21-02, 1150/1155 UTC

0325 0325 0325 0325 0325
88888 88888 12139 63103 90536 19416 00064 68546 34890 56970
40475 64674 75569 63428 54141 36871 76838 75801 79084 27493
50747 73545 29774 86995 28115 71593 40682 69767 75308 23331
92842 50090 65631 02797 12466 16461 88888 88888
00038 00038

9370 kHz, 26-02/28-02, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 07605 07345 75883 18994 58578 24989 13434 67339

09803 28288 04580 41391 64492 95579 34552 18559 73777 19782

41386 85483 90271 39490 93887 73104 30086 23602 84400 57696

29220 09182 75979 29256 24866 77864 38772 42720 72658 39016

07676 95471 88888 88888

00044 00044

6807 kHz, 28-02, 1150 UTC No transmission

6807 kHz, 28-02, 1155 UTC 0325 00000

DIPLOMATIC STATIONS**Egyptian diplomatic stations**

14620.0 kHz, 05-02, 1129 UTC, Codan 16x75Bd QPSK

16334.7 kHz, 06-02, 1427 UTC, SITOR-A 100/170

13991.7 kHz, 17-02, 1401 UTC, SITOR-A 100/170

12225 .0 kHz, 24-02, 0918 UTC, SITOR-A 100/170

16066.0 kHz, 24-02, 1000 UTC, SITOR-A 100/170

16222.0 kHz, 24-02, 1416 UTC, SITOR-A 100/170

MFA Cairo traffic

MFA Cairo i.p.

Egyptian diplo. Short tfc in arabic language

99910: MFA Cairo wkg XBVF: Egyptian embassy Madrid. "Good morning" from Cairo, "Peace, mercy and blessings of God be upon you" from Madrid, then Codan data

99903: MFA Cairo wkg XBVM Egyptian embassy Berlin. "He said unto me, See me, thou art the third" from Cairo, then Codan data

MFA Cairo wkg Egyptian embassy Washington. I,p, 5FG hex traffic to Washington

UTILITY ROUND-UP**Unid stations****3265 kHz, 01-02, 1426 UTC, CW. Copied by F5JBR in Japan**

RM3 DE TLM QSA ? 1941 K

RM3 DE TLM QSA ? 1956 K

RM3 DE TLM QSA ? 1941 K

RM3 DE TLM QSA ? 1941 K

RM3 DE TLM QSA ? 1956 K

TLM de RM3 QSA 5 ? 1663 K

RM3 de TLM QSA ? 0368 K

TLM de RM3 QSA 5 ? 03664 K

QTC NR 02 37 30 0201 2300 1234567 =

31415 26410 32915 24185 514866

3265 kHz, 01-02 1445 UTC, CW. Copied by F5JBR in Japan

VVV VVV T1G de TLM QSA ?

VVV VVV T1G de TLM QSA ?

VVV VVV T1G de TLM QSA ? 7849 ? 7849 K

VVV VVV T1G de TLM QSA ? 7849 ? 7849 K

3265/3266 kHz, 01-02 1603 UTC, CW. Copied by F5JBR in Japan

TLM wkg 3 outstations: S1O, RM3, T1G

S1O de TLM QTC NR 02 38 30 0201 2300 123456 =
 31415 26410 32915 02715 32764
 R 59168 62714 62780 48165 26041 14265 32104 25169 32148 21639
 R 21908 51730 16819 13057 81469 01375 41689 37154 13869 91002 ?
 S1O de TLM QSA ? 0368 K
 S1O de TLM QSA ? 1960 K
 S1O de TLM QSA ? 1941 K
 TLM de S1O QTC NR 01 14 30 0201 2330 123456 =
 81284 31026 24165 62704 34230 24165 86914 35414 38167 24654
 R 01253 62139 51864 82140 71540 13479 51496 7015 82419 06351
 R 39914
 QSL 01 ?
 QTC NR 02 38 30 0201 2300 123456 =
 31415 26410 32915 02715 32764
 R 59168 62714 62780 48165 26041 14265 32104 25169 32148 21639
 R 21908 51730 16819 13057 81469 01375 41689 37154 13869 91002 ? 0368 K
 TLM de S1O RPT TXT K
 NR 01 14 32 0201 2330 12750 =
 77359 50784 88254 97333 20001 18279 37931 80760 08189 57257
 R 93418 48608 27592 37593 33940 68750 87044 51894 92325 97260 21879
 R 18495 37004 81536 02375 57456 91084 29066 27756 31137 82874
 R 08111 08750 ? 0315 QRX ? K
 QSL 01 ?

4144 kHz, 23-02, 1431 UTC

VVV 6WY DE 9PF VVV ZIZ

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

Note: After extensive reporting in the past few months, I will no longer follow these stations to this extend as it takes too much of my time.

Date	UTC	Callsign	Message
01-02	0103	Clemency	30 chr EAM for Growth XKQBFB VIFSWCNRV17UEPFPWOIKB3LV
01-02	0148	Clemency	30 chr EAM P6WKEO disregard this message
01-02	0150	Clemency	30 chr EAM P6WKEO YHPDL4LMFYQZPKGZFR6KGGAS
01-02	0758	Clemency	30 chr EAM P6PHA2 B7O6KJFLCJC54F3RRDFPLM2B
01-02	0822	Clemency	30 chr EAM P6ZSLQ RQVYR4DYKTM7IRMASBQTOKMK
01-02	0842	Clemency	30 chr EAM P6V25K MV6UWW4RSHBP2J4K2CTBZSF2
01-02	0850	Clemency	30 chr EAM P6EFQU NTC7SMMFFZQX35AWCYYPAYUB
01-02	0908	Clemency	30 chr EAM P6K6JU DLBX2Z644JSTUVEADO4ERCGV
01-02	0910	Clemency	30 chr EAM P6MKQ7 YPB6N3BRSUEWKR6SQ7DJYYK
01-02	0937	Offutt	Skyking msg: Shrek Time 37 Auth ZW
01-02	1127	Offutt	Skyking msg: Stones Time 27 Auth NL disregard this transmission
01-02	1128	Offutt	Skyking msg: Stones Time 28 Auth YE disregard this transmission
01-02	1128	Offutt	Skyking msg: Stones Time 28 Auth YE
01-02	1706	Clemency	30 chr EAM P6COBD FXPZWT6JY7CXOTITMJ7DAHTG
01-02	1814	Clemency	30 chr EAM for Growth XKEWWY 4BHB4LTEFNAAJU7JVN6DKQDO7
01-02	1826	Clemency	30 chr EAM P6RV4R QFNV6GKLQUBENXEB4YJ7WASQ
01-02	1903	Clemency	30 chr EAM for Growth XK63UL AWHWHJEDBSHY6IG43RTCM3QB
01-02	1913	Clemency	30 chr EAM P63K3D 3KLX37MD432EI5QYUI6SFYRO
01-02	1926	Clemency	30 chr EAM P6ZHFV D2IUPMWULIS7GMJPQNH4LCYS
01-02	1935	Clemency	30 chr EAM for Growth XK5MA R5MO2VISS2SZQTPNGW4XMS

02-02	0354	Andrews	Skyking msg: Pink Floyd Time 54 Auth UQ
02-02	1624	Pep Talk	30 chr EAM P6IQRD XJLECLTQDKY27U4VILOQYYUY
02-02	1630	Pep Talk	30 chr EAM P6IQRD XJLECLTQDKY27U4VILOQYYUY
02-02	1700	Pep Talk	30 chr EAM P6IQRD XJLECLTQDKY27U4VILOQYYUY
02-02	1837	Pep Talk	30 chr EAM P6JI6F DDMAXLGUIQYYQJFUOS4EGMJ
02-02	1846	Pep Talk	30 chr EAM for Fewer-07 XKYG76 2EKNJ7FOJ5DTNXMGDQ25MFGF
02-02	1917	Pep Talk	30 chr EAM P63JKH VD3GS76YABCSJDYBHCZUCDD
03-02	0225	Trillion	30 chr EAM P6YJZR I22EAU7OALA4PWVUHQC02EAK
03-02	0512	Trillion	Skyking msg: Queen Time 12 Auth ZG
03-02	0527	Trillion	Skyking msg: Skinner Time 27 Auth AM
03-02	0640	Trillion	Skyking msg: Queen Time 40 Auth YJ
03-02	0656	Trillion	30 chr EAM P6NDRF AKQNYLKRCLBTXDTZVN7JXCPK
03-02	0712	Trillion	30 chr EAM P6UQQD XXZ7QAU3TVK2JX5RYVD6Z3KB
03-02	0728	Trillion	30 chr EAM P65XE5 5RE4NFNNFAVD5UIBBV5H6XV
03-02	0731	Trillion	30 chr EAM P64PH2 2745DIAK3YMPD3W6Y5E7W73R
03-02	0750	Trillion	30 chr EAM P6BR5B ZLLY6TSWHFP2QI7C2MC4J7LO
03-02	0755	Trillion	30 chr EAM P6GAHB S6OWF4IZMMI6QBD4OWL6UXS3
03-02	0805	Trillion	30 chr EAM P6KX5A HMIFPISHGKML4LY6Y7FMSCCW
03-02	1506	Trillion	30 chr EAM P64CD7 BT5JVMEN2O7FWTIVHBK4GUDO
03-02	1523	Trillion	30 chr EAM P67K4S UHLCKJTT7NI45BXHWBCYO4AG
03-02	1543	Trillion	30 chr EAM P6JNB5 5EZ2LQC62VB4V445FTOPNKI5
03-02	1546	Trillion	30 chr EAM P6UVRO QMHNTD3EVFYVAVO3EFAEKJNN
03-02	1550	Trillion	30 chr EAM P6UVRO QMHNTD3EVFYVAVO3EFAEKJNN
03-02	1607	Trillion	30 chr EAM for Tap-it XKQ2BK P2EB7BVK5PKWDVXAD4HQJJKQ
03-02	1630	Trillion	30 chr EAM P6UVRO QMHNTD3EVFYVAVO3EFAEKJNN
03-02	1653	Trillion	74 chr EAM XKLSCM HZL3NNT755PWLALAZMXLAZ4326JCIGNNTX42HJCVUG5G64DZRLMKGSW64DZJ6IGNNTXH
03-02	1747	Trillion	30 chr EAM for Curt-13 XKA4F6 7ZKR3BRTNGEUHSPPGCULS3X2
03-02	1817	Trillion	30 chr EAM P6XSQV M2KCK4DGGU2RCUPOKPWSFVUJ
03-02	2213	Trillion	30 chr EAM P6BEC2 O3DBHLO7FSPEZI6HY53ABX77
03-02	2215	Trillion	30 chr EAM P65EOJ RBR4SJ4RSCKVDEADV7X3WO3G
04-02	0247	Dry Fan	30 chr EAM P6QGLK 7KJNZFLYAENKXUD7PMJM2PJ
04-02	0546	Dry Fan	30 chr EAM P6MC3U YHCCOYWUN6FR73WETXHU7ZVJ
04-02	0548	Dry Fan	30 chr EAM P62FOJ UKZLNS5UYZZKPM4WHJPED3UY
04-02	0554	Dry Fan	30 chr EAM P6BXAY I7Z76LWEDIJWLWBQSU637HSG
04-02	0615	Dry Fan	30 chr EAM P6WZYJ XNLH5SS2SOQKW3V6YFCUIQY7
04-02	0618	Dry Fan	30 chr EAM P6JCC4 4FV6LSQFH7R2LHVHGMGMQIBB
04-02	0631	Dry Fan	30 chr EAM P6TSWH FVFQP773H6Q35QOBC3DTTBJH
04-02	0634	Dry Fan	30 chr EAM P6TSWH disregard this transmission
04-02	0637	Dry Fan	30 chr EAM P6BONY YL2RR3PDF3BOH5Y74HDZRM6C
04-02	1440	Dry Fan	30 chr EAM P62UNR ZVSFKNZ3URG2Q7DYHKKW2UDO
04-02	1456	Dry Fan	30 chr EAM P6SCUR LYJAEKIGOWFPQTYDP5HBZIX2
04-02	1500	Dry Fan	30 chr EAM P6VUVQ S7DCIVSTFKLHTHHOI5E2GUS3
04-02	1510	Dry Fan	30 chr EAM P6J65X WANEUDLNLIGQ3GTMBIKEWRAJ
04-02	2335	Dry Fan	30 chr EAM P6J3FI 3HH2B6DXC46HGLOCE7SVHJXG
04-02	2337	Dry Fan	30 chr EAM P6JXIC HHEUI3QNERT3RTKA3U7QQOIS
04-02	2340	Dry Fan	30 chr EAM P6D2MR TNVPFV5P6R46H4CL5VTXESWM
04-02	2343	Dry Fan	30 chr EAM P6V72T IVKP6QXYKXQ2MHLPOR34XH5
05-02	0629	Horse Fly	30 chr EAM P6LNUL QN2CHH2JFNRIK64FFI7YDJJ
05-02	0633	Horse Fly	30 chr EAM P6BQLT PA6O6JPYC7LWJDQSMXUOFIJG
05-02	0642	Horse Fly	30 chr EAM P6YAFK HYLZKT3WBDYLPOMDXFEOARFO
05-02	0650	Horse Fly	30 chr EAM P6S5UE DPHRWICRIL2DFRTBWTLEAVRK
05-02	0702	Horse Fly	30 chr EAM P6ZCWC M6VPF3OIYSYIRI5K6DKT7PYH
05-02	0704	Horse Fly	30 chr EAM P6BHXG 544B4CJTL7J55HHFE6J4AN7V
05-02	1426	Horse Fly	30 chr EAM UQ3FEN R6C5GIBVOMI65WE5ACT7LQO2
05-02	1433	Horse Fly	30 chr EAM UQ64D2 44JWY3KSZ34ENV72TOUOODSO
05-02	1440	Horse Fly	30 chr EAM UQWDBC W74OFDV2ID7V5JBSEQ2O7ZJV
05-02	1442	Horse Fly	30 chr EAM UQEFW7 EUSODVI72O7GIQXDNDQ5GYX2
05-02	1451	Horse Fly	30 chr EAM UQZY4U 6O5HTNZQSP2JON45DQ2VEMVG
05-02	1453	Horse Fly	30 chr EAM UQRKNG WR4QHBI7BHEGIUKGGKJCTR5V

05-02	1553	Horse Fly	30 chr EAM for Angular XKJ4VQ 7LNP25JJAN5RT5SPVQEPR4RD
05-02	1725	Horse Fly	48 chr EAM AZT4Y3 GYML4KKGYVCT6ADREH6FVWFYLKINIHNHEEU554YNSG
05-02	1751	Horse Fly	30 chr EAM UQ5NJF OFCK5HEULVKAC6FD6XTR5VMR
05-02	1757	Horse Fly	30 chr EAM UQPVHK DI53YNB725MUDNROV7CJAUMG
05-02	1808	Horse Fly	30 chr EAM UQQ3ZA X5CJMIRO7RUT4YD74YJC6IO4
05-02	1934	Horse Fly	30 chr EAM UQ7EXX BCZOININHDALLTU5CZX76C24
05-02	2048	Horse Fly	30 chr EAM for Twit-25 XKHETG XOVL47FBRDYLW7KIB27SEPU
05-02	2058	Horse Fly	30 chr EAM UQCXOE CJT7ZZV4DHO3VRA5P5NUQD4D
05-02	2113	Horse Fly	30 chr EAM UQGZMJ XXJLCSRPA6TQCOU3WSP7ODU2
05-02	2116	Horse Fly	30 chr EAM UQW564 A3OUMYUM2JCVXDK5OIXTOFKX
05-02	2307	Hot Spot	30 chr EAM UQW564 A3OUMYUM2JCVXDK5OIXTOFKX
06-02	0121	Ski Booth	30 chr EAM UQRAEA ZTVQEFUOH3XZQZMIJHIEIOC2
06-02	0143	Andrews	Skyking msg: Hanson Time 43 Auth EW
06-02	0746	Ski Boot	30 chr EAM UQUWDS LASJPUWD6F5GN5MSHNOK5TPV
06-02	0752	Ski Boot	30 chr EAM UQQMOV HIPYFXTZR2AS25H5L4MMQKM
06-02	0759	Ski Boot	30 chr EAM UQMOBC VWVIES74GFJ6GKGGFMXS3BT6
06-02	1319	Ski Boot	30 chr EAM for Yellowtail XKH4FK UP74U5ARCNOZUHEUEOXT7I6P
06-02	1502	Ski Boot	30 chr EAM UQNU2P KCGXQ37KAQTTI7ATJ5FIHQF2
06-02	1542	Ski Boot	30 chr EAM XKM4T6 4YEW5O4KF4GJI44XZCO2CJKV
06-02	1606	Ski Boot	36 chr EAM XKYXUQ OHKTQHPXJQ3A26T4B3LX6QEY2CBRO4
06-02	1620	Ski Boot	47 chr EAM XKDXPM OVD3HGAYGNMIR2MRQQGF6CPDJOT5FTF6CVU6Z4OTJ
06-02	1639	Ski Boot	30 chr EAM XKUCTA LNCTTXDQZWEH2POU4MFCBSCU
06-02	1706	Ski Boot	52 chr EAM XKOJFW ASX5JNKVM2O26BZTW4LUMSAOWTD5HRY7STSWTC55ZJCV5L
06-02	1722	Ski Boot	30 chr EAM UQQ7CP V4DPLIVZ25XVR3JQXEIVMBOG
06-02	2242	Ski Boot	30 chr EAM UQYFYN T3VCPER5IS6OUEUBNN76IVA5
06-02	2315	Ski Boot	30 chr EAM UQLQ4F DUBZRBWEDOBVMV3BHKIVYLIU
06-02	2330	Ski Boot	30 chr EAM UQYFYN T3VCPER5IS6OUEUBNN76IVA5
07-02	0001	Rio Champ	30 chr EAM UQYFYN T3VCPER5IS6OUEUBNN76IVA5
07-02	0822	Rio Champ	30 chr EAM UQAKC4 SLOWI74JLU3GWSLSEQOQRBOI
07-02	0824	Rio Champ	30 chr EAM UQG4PR MEJSW66MROFLDNF627Z7FABB
07-02	1306	Rio Champ	30 chr EAM UQVDOF AEQ4X4Q2WJZPM62CF4Z3NAM
07-02	1333	Rio Champ	30 chr EAM UQDFIW DV3ODNPOSARKCXUGCDEMZEL7
07-02	1343	Rio Champ	30 chr EAM UQERY7 OLSTFNZBNTXID2IF3ETE4FSY
07-02	1346	Rio Champ	30 chr EAM UQFI6J QN2YRFLYP2M4HRY6B2NWZ6OR
07-02	1401	Rio Champ	30 chr EAM UQDCC2 5QPFROYL7OTHNFU546YYGSXP
07-02	1603	Rio Champ	30 chr EAM for Starry XK2RVZ CRUCLOV4F55YFFN6O6Q76ZUG
07-02	1718	Rio Champ	30 chr EAM UQAFW7 JK3LHKLTKWGWAYVYMUM3HEPW
07-02	2248	Rio Champ	36 chr EAM XKPC2E UF3DTT4ICGJPYCXHH6YSYTCNHG3I36
07-02	2310	Rio Champ	36 chr EAM XKPC2E UF3DTT4ICGJPYCXHH6YSYTCNHG3I36
07-02	2330	Rio Champ	36 chr EAM XKPC2E UF3DTT4ICGJPYCXHH6YSYTCNHG3I36
08-02	0041	Roll Home	36 chr EAM XKKI3V DVG6XV3LCLYVCKXDTBFEVZO24HSSJ3
08-02	0314	Roll Home	30 chr EAM UQ5HJE CC47YUDVYY7CYT2IB53I4Y6Y
08-02	1405	Roll Home	30 chr UQP5RP VYVBOBCSHYLZPQ4KPHGU2G6J
08-02	1430	Roll Home	30 chr UQONZU SE62G6ULFJ2FWQXHQ7TKSBZR
08-02	1442	Roll Home	30 chr UQGCSY YCP2ZU3TDJGY5UNTBSFP4FZF
08-02	1550	Roll Home	30 chr XKBVBI GWODK4QAJOB62UBJ5FWXLA6
08-02	1630	Roll Home	46 chr XKAGKN SEOREDAM62BTQITCBNTCW6NTCB66I57EZ7WYVP2
08-02	1703	Roll Home	36 chr XKPVVO PZBGFC6FUEOPSOKR6BWUTW655N6QWO
08-02	1848	Roll Home	30 chr for Lily-43 XKO3UM S3EQ3UV3KB2XZV7LHKCLLNRX
08-02	1917	Roll Home	30 chr UQGRYR E73KFXU7NXDI3NUYAIX5AEYX
08-02	2203	Roll Home	30 chr UQAAWG K7FYFROKPBOLOROVJGDR6KFT
09-02	0053	Offhand	30 chr EAM UQ2CYB MFHFJ3BT45I47PE6KEALSZKX
09-02	0132	Offhand	Skyking msg: The Who Time 32 Auth GG
09-02	0401	Offhand	Skyking msg: Seagull Time 01 Auth SA
09-02	0503	Offhand	Skyking msg: Poison Time 03 Auth TC
09-02	0523	Offhand	Skyking msg: Roses Time 23 Auth WY
09-02	0544	Offhand	Skyking msg: Safety Time 44 Auth OM
09-02	0733	Offhand	30 chr EAM UQF4LN BT2ZDNGR7SWB6M4PLSXDL6S
09-02	0738	Offhand	30 chr EAM UQF7YL WHUDE3QAQPPGMYADLIWHJHMT
09-02	0748	Offhand	30 chr EAM UQAUZO 2HCFMUDRWPKH73WXQMIKH063

09-02	0752	Offhand	30 chr EAM UQAUZO 2HCFMUDRWPKH73WXQMIKHO63
09-02	0755	Offhand	30 chr EAM UQF4LN BT2ZDNGR7SWB6M4PLSXDL6S
09-02	0757	Offhand	30 chr EAM UQF7YL WHUDE3QAQPPGMYADLJWHJHMT
09-02	1329	Offhand	30 chr EAM UQSPC2 X7TIEL3FLW6TXDDBR3NUUNWS
09-02	1333	Offhand	30 chr EAM UQ7G6O VYPZL6WT4CRWZLH57TVLGZYW
09-02	1340	Offhand	30 chr EAM UQYCDR LUMUMB24XXDH4ANO2MYGQA5J
09-02	1343	Offhand	30 chr EAM UQTF74 ATIQW636FNZ34MF6IMTQHN6M
09-02	1346	Offhand	30 chr EAM UQ73GB UHKIZRUIJ3YK2PMWPYOSQUG4
09-02	1350	Offhand	30 chr EAM UQUAQI GSN3RMN6NTRXOO5IXZSJ23CL
09-02	1353	Offhand	30 chr EAM UQJPGW GSF5QLG4ZQKTPJWDTG27QBHB
09-02	1513	Offhand	30 chr EAM for Region Alpha, for Region Bravo, for Region Charlie XKUT5M EHTO- AYYSSUXXTQ7IJ536LHU
09-02	1840	Offhand	30 chr EAM UQLNRX EHFCTXFYGXXCZTIU4Y2IEYIRL
09-02	1843	Offhand	30 chr EAM UQCTEJ AE4MZWD6HRNHLUIYMWUHPNBT
09-02	1847	Offhand	30 chr EAM for Juicy-49 XK4NER CV3IMCASY7RAT7HZD23YYFEN
09-02	1917	Offhand	30 chr EAM UQLLLD 5M3N37RRBIBGE37CEYGFQHMN
09-02	2155	Offhand	30 chr EAM UQL5JY MI5WCUCHMW6EDH3CA6Z7Z6LW
09-02	2232	Offhand	30 chr EAM UQ7QFK E2I4WOLRFF2A3VRHTV2PDH5U
09-02	2236	Offhand	30 chr EAM UQZVDK XMSJEJIECF3NLQKERUKET6LD
09-02	2326	Offhand	30 chr EAM UQXC6N KI52UP2TQ7K4BVSFAXR2INSO
10-02	0026	Log Roll	30 chr EAM UQ5CLF K2CM7FCFK23DLME4ZTRNKGW7
10-02	0040	Log Roll	30 chr EAM UQBJM6 SEM5FGFBBOJNQUZF2SK2ZCTK
10-02	0052	Log Roll	30 chr EAM UQIFXJ 67Z64X3EEIAGX2Y3CQGN6TE6
10-02	0427	Andrews	Skyking msg: Hendrix Time 27 Auth CS
10-02	1424	Log Roll	30 chr EAM for Mark XKYFSM SMJMBSZAARIW3T5AQRJMGUW
10-02	1508	Log Roll	41 chr EAM XKTTWB 72IA6QKVMGQTJ6SGDWBSGDBOMOFMMGPNJ3A
10-02	1524	Log Roll	30 chr EAM for Mark XK57GP A4IMI64ULEOLFVJVLICXP7PQ
10-02	1556	Log Roll	30 chr EAM UQY54N J2UTXSE43DQVBUIO5OB75FP5
10-02	1602	Log Roll	30 chr EAM for Mosque XKDLKX HYBTYZW7B5NDMI74IA6NXR4S
10-02	1612	Log Roll	30 chr EAM for Mosque XKKHA6 B7PU5UDVVMT5ASWFBX2VYVLC
10-02	1622	Log Roll	30 chr EAM for Mosque XKATWY NW3GTNTRKLAIELPOLUUBDBI
10-02	1652	Log Roll	30 chr EAM for Mosque XKVS2U JBZMOYWERCXB3CQXQ2I5PDDN
10-02	1714	Log Roll	30 chr EAM for Mosque XKDPXQ 7AHVO653CHC5Y6FRMQIGHCMW
10-02	1834	Log Roll	30 chr EAM for Packet 4S3BI4 KCSI3I15ALJYCCON4SSP2VVB
10-02	1907	Log Roll	30 chr EAM for Packet 4S72XX T7NFXMIDRLEMDR5UZXRKIX5N
10-02	1937	Log Roll	30 chr EAM for Packet 4STXUK J3CWKG6B5V2J6NMOR73UVZR4
10-02	2033	Log Roll	30 chr EAM for Packet 4S2DKX VMUV7MY4DZSRVJR35KUDO4B7
10-02	2103	Log Roll	30 chr EAM for Packet 4SIUL7 MDHJHEJYI6Y72DTXXV3TPH
10-02	2320	Log Roll	30 chr EAM UQQSOD 4Y3FEUJDUUJ3DC4J55PF3YGN
10-02	2345	Log Roll	30 chr EAM for Packet 4SZV23 ORQPF3UGGEA6LMC4UWBS7XYN
10-02	2358	Log Roll	30 chr EAM UQMVZ5 UDOSPYEGCSAQOIF6L7IBOQ6E
11-02	0018	Revetment	30 chr EAM UQXQ7K Y3AIRT4TOQKQTCWYZF5OUJAR
11-02	0023	Revetment	30 chr EAM UQZ2LF BAT6PMC2LB5PHT4T7UZBNLBF
11-02	0033	Revetment	30 chr EAM for Abolish 4S6LX2 E6PHXFRDHTNXAA6PPSCFTC6M
11-02	0046	Revetment	30 chr EAM UQTPSD C4XVKBNRS2HOZVGS77C3TCQG
11-02	0459	Revetment	30 chr EAM for Corolla 4SMJAV JYA2X5BVGJR7NRQLC7UKL77F
11-02	0533	Revetment	Skyking msg: Queen Time 33 Auth RL
11-02	0616	Andrews	Skyking msg: Kiss Time 16 Auth CL
11-02	0656	Revetment	30 chr EAM UQ7TNX OFZDSDFP GPYWNHRH5IIHACXDO
11-02	0712	Revetment	30 chr EAM UQNV2U LHWAWQGP6U2T6LKTAMMWWKXV
11-02	1417	Revetment	30 chr EAM for Abolish 4SBYP5 CDBRURGDXNWBZJL3X2SQYB5J
11-02	1429	Revetment	30 chr EAM UQ4V26 N7XYTVQBHENOS2DJNGBUCCQT
11-02	1516	Revetment	30 chr EAM for Abolish 4SPE4O IDB7N46YIVM625BUF2RLW6LB
11-02	1538	Revetment	30 chr EAM UQ2BZH KBC4CXYG5QTWBP6IMIZ6UHT7
11-02	1544	Revetment	30 chr EAM UQJ3TH D2NUI2KWT6SZZQAYM74SWWB3
11-02	1549	Revetment	30 chr EAM UQ4LDZ disregard this message
11-02	1552	Revetment	30 chr EAM UQ4LDZ Q5HRUMWVLHRY7QPEH2UOXZ4G
11-02	1554	Revetment	30 chr EAM UQM3GE U67GDZZBGUFGUSTPAOG6IDRM
11-02	1746	Revetment	30 chr EAM for Punta-61 4SRND4 5VIYFY2HCU5WGLN2TNLGI3AR
11-02	1818	Revetment	30 chr EAM UQSQBM MJC4LGM3KS6KHEQBPR3UTJA

11-02	2356	Revetment	30 chr EAM UQNSIA UBWFGDKXCMHBNFX5FEPBA7GB
12-02	0047	Fig Tree	30 chr EAM UQFVJE LSML4DMQW66QHVB2YNRGQSPX
12-02	0739	Fig Tree	30 chr EAM UQDYEW E2BZUEKWHOE7JKGYO42WOYGQ
12-02	0747	Fig Tree	30 chr EAM UQX7UM JXWMDLYK77FOG3DBNR34YHJ6
12-02	0753	Fig Tree	30 chr EAM UQUIWZ MKNKWSRILV7FATR4P2OVOET
12-02	1847	Fig Tree	30 chr EAM for Washy-67 4S2RWF HFSSHQXCX5NQ5WKGTWCHE4T7
12-02	1917	Fig Tree	30 chr EAM UQZPPP V3EAWUJ7LP3OKKIDRW6RAJUW
12-02	2015	Fig Tree	30 chr EAM 4SUW3R RBKA6QZ6VF7KKA7732HK26TM
12-02	2035	Fig Tree	30 chr EAM 4SUMMD KB5GRUOL2YQZJZKVNFLZPTP
12-02	2106	Fig Tree	30 chr EAM UQHQQF6 4QPSAXVYOOH6FPPWEZVYCIOG
12-02	2217	Fig Tree	30 chr EAM UQOGXX NKGDSGVBNAIRGUNLMH5WCAI
13-02	0042	Soft Soap	30 chr EAM UQM23B NPTDV2LUY4E6J7BYE5P2DCIN
13-02	0045	Soft Soap	30 chr EAM UQ4BYY V6F3VUNUKKED6LEJPWIYK777
13-02	0048	Soft Soap	30 chr EAM UQC2B6 3W2SUSKS2D5L7GRQF3VMNPGJ
13-02	0703	Soft Soap	30 chr EAM UQ7P4L ZAKDGV7UXT25UJGT4GVMGMDDB
13-02	1452	Soft Soap	30 chr EAM UQNWOL 74Q5TRDIY6AZZTJU6HAERSTV
13-02	1502	Soft Soap	30 chr EAM UQHCU3 B4QPAMZOTWP23NMPEGLD6Y2M
13-02	1555	Soft Soap	36 chr EAM 4SMZJW QT67WGEFGINGTOJZ3ZIOCOYUYFYKRO
13-02	1602	Soft Soap	40 chr EAM 4SSY32 33JXNY4XVX7ZIVYZGZJXMVA6ZM664Y4DOR
13-02	1659	Soft Soap	46 chr EAM 4SXN3O UI3QINZLXFWN34NR3WZNR64ZKW3FFQFJC7SXMZ4X
13-02	1703	Soft Soap	30 chr EAM 4SEC53 FW4CUU2ETZKIR3FTXMDCFKBJ
13-02	1710	Soft Soap	30 chr EAM 4S4PIP 6A7NIZUUFWCWSP2AE24Z56MI5
13-02	1718	Soft Soap	30 chr EAM UQZZVZ JOSX7YXTQWQCXCWLHW52OEYW
13-02	2045	Soft Soap	30 chr EAM 4SB2MB BY4RVCBNUILPBJIHE3W7QIQ
13-02	2113	Soft Soap	30 chr EAM 4SZ4P4 RWSY3ATKNQQU3IQ2MKIOXAI
13-02	2128	Soft Soap	30 chr EAM UQ5R5E SFNPDXHSYHLU3TTJHLA5AQK5
13-02	2317	Soft Soap	30 chr EAM UQLP7K KKBZ5BIHFEJ6PDLK3GEEQMHB
14-02	0042	Chop House	30 chr EAM UQPYID B7WI3BQRXW776DXQLVCZO5R
14-02	0613	Chop House	30 chr EAM UQBSVU 6KXQ5TFQL7ZTEAA4JIAR3JPO
14-02	0620	Chop House	30 chr EAM UQWYMI DK2B2WRQAYDWIJI6UDM5FH6H
14-02	0624	Chop House	30 chr EAM UQWYMI DK2B2WRQAYDWIJI6UDM5FH6H
14-02	1746	Chop House	30 chr EAM for ???-97 4SW276 RLVSD53HZH4YK52ZQ5BQ2KIB
14-02	1818	Chop House	30 chr EAM UQ6C7V O5DF474SJBNS74WHS6Z3GAYD
14-02	1828	Chop House	30 chr EAM for Manta 4SRTXT UHA3GE3UVFID63PLBX73GW3S
14-02	1838	Chop House	30 chr EAM for Manta 4SFJUP 6WPLQDYREZ6EOQVHBJZ34AA7
14-02	1856	Chop House	30 chr EAM for Manta, for Bearing Ball 4STIOJ 4E4B4HNMDPIILYA5GHU22LQA
14-02	1905	Chop House	30 chr EAM for Manta 4SJTS4 disregard this transmission
14-02	1908	Chop House	30 chr EAM for Manta 4SJTS4 5Q4Q4WO3SEBFOCBPZLY7DLWE
14-02	1927	Chop House	30 chr EAM for Bearing Ball 4SPWPW DSTIULI7GT2KGQVNVZCR7IV
14-02	1938	Chop House	30 chr EAM for Manta 4S4MMD MG6ANEZVWMRRCH6Z4EPEPVUY
14-02	1947	Chop House	30 chr EAM for Manta 4SZMO2 2UHAM7S6O42KJLBML4OY3WBV
14-02	2033	Chop House	30 chr EAM for Manta 4SR5YF IYPE4MPMU5PWFJJVFQ7QRUAI
14-02	2043	Chop House	30 chr EAM for Bearing Ball 4SRM64 MEEMYLWAZ7GKBYZY5P7AMYIE
14-02	2158	Chop House	30 chr EAM UQUOMD DOYYDF7JYMUKIYOKNZR4XKG5
14-02	2201	Chop House	30 chr EAM UQXK3K CJMDGFKV7IRX3HEDMD64S6KU
14-02	2231	Chop House	30 chr EAM UQXK3K CJMDGFKV7IRX3HEDMD64S6KU
14-02	2233	Chop House	30 chr EAM UQUOMD DOYYDF7JYMUKIYOKNZR4XKG5
14-02	2246	Chop House	30 chr EAM UQRYN5 V3WT7S3B6WOI6NAPPSFJ2TEM
14-02	2307	Chop House	30 chr EAM UQXK3K CJMDGFKV7IRX3HEDMD64S6KU
14-02	2308	Chop House	30 chr EAM UQUOMD DOYYDF7JYMUKIYOKNZR4XKG5
14-02	2315	Chop House	30 chr EAM UQFO5O A7H2ZCJFMWCCAWVQCZXHNWL
14-02	2329	Chop House	30 chr EAM UQFG4G TVZVUK62IT24G3ZWINGPPGXE
14-02	2332	Chop House	30 chr EAM UQXK3K CJMDGFKV7IRX3HEDMD64S6KU
14-02	2334	Chop House	30 chr EAM UQUOMD DOYYDF7JYMUKIYOKNZR4XKG5
15-02	0227	Andrews	Skyking msg: Duran Duran Time 26 Auth UB
15-02	0227	Andrews	Skyking msg: Disregard my Duran Duran transmitted at time 27 Auth. Disregard this message
15-02	0228	Andrews	Skyking msg: Disregard my Duran Duran transmitted at time 27 Auth GA
15-02	0229	Andrews	Skyking msg: Duran Duran Time 29 Auth GA
15-02	0350	Andrews	Skyking msg: Depeche Mode Time 50 Auth JE
15-02	0459	Lump Sum	30 chr EAM 4S2P42 UQUIRR6G744COWHIDU5H7J3R

15-02	0621	Lump Sum	81 chr EAM AZUCI4 TPU-BEMCT3VJVNMZG2RAXY7QXJ136HWSTRDTLLLLPJDMIV3LKODTRORB6SPDRHUMCO2PJN5K5QV
15-02	0650	Lump Sum	30 chr EAM UQMZ4N OMYILJ5SLIJ5W4CABIFNJNER
15-02	0703	Lump Sum	30 chr EAM UQEAWX RJU22AGMGL337IKXRPTYF5B7
15-02	0710	Lump Sum	30 chr EAM UQCSTM SYM32LS7FFTTYBEDV7JDXDR
15-02	0721	Lump Sum	30 chr EAM UQ7VYS IGVBLV3YUJJOXMWUANGFB2JV
15-02	0723	Lump Sum	30 chr EAM UQFFX6 PMMLXXK7LGIPOY3X63Z7WK7Z
15-02	0725	Lump Sum	30 chr EAM UQKGUZ 3FIABIFTPEVOFFJWBK272GQG
15-02	0728	Lump Sum	30 chr EAM UQMS5N BKZNR6KWKBOEL2SKIYT7H4Z
15-02	0747	Lump Sum	30 chr EAM UQNPC6 N7T2X7EV5EISEW54HEZLGM3K
15-02	0751	Lump Sum	30 chr EAM UQZDJU YXE2TMP7DPJCAEXASBPPID7
15-02	1247	Lump Sum	30 chr EAM for Redbud Tree 4SETFI UABBG6HKV6ILLWMZJG4UQP
15-02	1307	Lump Sum	30 chr EAM for Redbud Tree 4S7EXG OA2PFUVYZLEH3PEZSTXRIGS5
15-02	1327	Lump Sum	30 chr EAM for Redbud Tree 4S5GA2 U57JOYTWJ7DA2R6RWVLW2PFX
15-02	1619	Lump Sum	30 chr EAM 4S554S QHE5E6HZSum5XBLDCJP5LXUP
15-02	1651	Lump Sum	30 chr EAM UQRX4X NZMHVAAIBBVMH2PLMK4RXJLG
15-02	1655	Lump Sum	30 chr EAM UQFPF2 SZMLFIT4L2YFVTQXOQV344U3
15-02	1708	Lump Sum	30 chr EAM 4S2YPZ HA6OAT7DOTJ7FUBA5FMHXIGM
15-02	1712	Lump Sum	30 chr EAM UQNYRC A45R4T6XJT2OF5EMKF4IGMBQ
15-02	2054	Lump Sum	30 chr EAM UQHNLN 3VL2NOSYSQ3LIAALX6S2MTJO
15-02	2203	Lump Sum	30 chr EAM UQCMSD QNE2VAUOAZ3PNJ72YBPU2AP
15-02	2243	Lump Sum	30 chr EAM UQZBE5 BMH4ON2HZXEDS7B6VUFT3KAY
15-02	2326	Lump Sum	30 chr EAM UQ6326 OHCLNF3ETBWQXGSK3Y77Q64U
15-02	2336	Lump Sum	30 chr EAM UQDANK BOL3BVH7CDOJV6KIVBG6666O
15-02	2347	Lump Sum	30 chr EAM UQKPPS B3YNW4DMA5A5B6UI7RW5K4U3
16-02	0705	Equalize	30 chr EAM UQ6ZIB J2QTHIHTIKIKN4BDQX5Y7LQC
16-02	0708	Equalize	30 chr EAM UQ2I22 4S6KQX76FONFVFCAG2P3X4ML
16-02	0710	Equalize	30 chr EAM UQMWEF ZJXC3PGQ7MCHNOBGDYPEEJCA
16-02	0740	Equalize	30 chr EAM UQ7MEM D2MKS WBHRTPVKRREI3CJQ4PG
16-02	0753	Equalize	30 chr EAM UQB3CJ SKQQGWNA7EVENCS3JVYDSXIS
16-02	0806	Equalize	30 chr EAM UQPNJU TFUYZN5AB3IZTSZEOBJGEO54
16-02	0809	Equalize	30 chr EAM UQN6FJ PJW5Z7B5O5KM3Q2NQE26JFSO
16-02	0928	Equalize	30 chr EAM for Paprika 4SBQ7W QEBMRLW4OVI456Y5IHQW4K7L
16-02	1848	Equalize	30 chr EAM for Manta-91 4SQDYV LNGQBUFYZ7EVBL3FHS5MLXED
16-02	1852	Equalize	30 chr EAM for Manta-91 4SQDYV LNGQBUFYZ7EVBL3FHS5MLXED
16-02	1917	Equalize	30 chr EAM ZCPKN4 J2AKBMUHZE5SD26JLPDOISG5
17-02	0007	Beatrice	30 chr EAM ZCXFP4 OFPOM7LVSUWJCRFHRZXXR5RN
17-02	0018	Beatrice	30 chr EAM ZCU6KF OJMGDPC672OXO5WYGGNLBCYW
17-02	0113	Andrews	Skyking msg: Outfield Time 13 Auth KH
17-02	0130	Andrews	Skyking msg: Seagull Time 30 Auth IS
17-02	0150	Andrews	Skyking msg: Poison Time 50 Auth RX
17-02	0439	Beatrice	Skyking msg: Seagull Time 39 Auth GS
17-02	0514	Beatrice	Skyking msg: Seagull Time 14 Auth CI
17-02	0515	Beatrice	Skyking msg: Seagull Time 15 Auth CI
17-02	0655	Beatrice	30 chr EAM ZCNC32 5O5MDX3H4MYFYIZBNXNJQRB5
17-02	0658	Beatrice	30 chr EAM ZC47AQ 3RPKG6FLRIKZTFMCN5ZCSUVE
17-02	0703	Beatrice	30 chr EAM ZCHRXW ZTVAHI2TAR57GNYSKHGP7K5X
17-02	0730	Beatrice	30 chr EAM ZCHRXW ZTVAHI2TAR57GNYSKHGP7K5X
17-02	0732	Beatrice	30 chr EAM ZC47AQ 3RPKG6FLRIKZTFMCN5ZCSUVE
17-02	0735	Beatrice	30 chr EAM ZCNC32 5O5MDX3H4MYFYIZBNXNJQRB5
17-02	0829	Beatrice	30 chr EAM ZCFHR4 6VFOR2TXETKYLF02S7OSL65W
17-02	0833	Beatrice	30 chr EAM ZCHRXW ZTVAHI2TAR57GNYSKHGP7K5X
17-02	0836	Beatrice	30 chr EAM ZC47AQ 3RPKG6FLRIKZTFMCN5ZCSUVE
17-02	0839	Beatrice	30 chr EAM ZCNC32 5O5MDX3H4MYFYIZBNXNJQRB5
17-02	0848	Beatrice	30 chr EAM ZCFDVC F5CSIJJ6IGV3HL7PENWGSY
17-02	0852	Beatrice	30 chr EAM ZCASXM GKVLAUHN42THYUVVTSJCWZG
17-02	0857	Beatrice	30 chr EAM ZCNBUB V6SMBZK6SQ3KSWIHC2EOBUM4
17-02	0900	Beatrice	30 chr EAM ZCHRXW ZTVAHI2TAR57GNYSKHGP7K5X
17-02	0903	Beatrice	30 chr EAM ZC47AQ 3RPKG6FLRIKZTFMCN5ZCSUVE
17-02	0906	Beatrice	30 chr EAM ZCNC32 5O5MDX3H4MYFYIZBNXNJQRB5

17-02	0910	Beatrice	30 chr EAM ZCASXM GKVLAUHN42THYUVVTSJCWZG
17-02	2138	Beatrice	123 chr EAM AZWVSV FYN5PMJFRI57NJYCOPC2BH5UN33P42Z5R5JPN7SV6O5D7DDDT3HDDPPTXQQQQGJYHM262ILUZOF FBOROCCCC27GDH4VVFVVVPGGHY25KKKKRVJQAZ4BBU
18-02	0027	Tear Drop	30 chr EAM ZCORFS BMSBGTNHMUVXVFNVSTYGC6DN
18-02	0045	Tear Drop	30 chr EAM ZCGBVH EMS3OMBXKOIWNWRLYWDG6B4
18-02	0654	Tear Drop	30 chr EAM ZC76N4 HHZBMDXJHBTQDGNB4MU6OIAS
18-02	0658	Tear Drop	30 chr EAM ZCWBHN D5OKP5LT3UW4XKSITCZ6VJEA
18-02	0730	Tear Drop	30 chr EAM ZC5CZH ONUGZMBE5EQ2ETIEO6FGSERL
18-02	0733	Tear Drop	30 chr EAM ZCWBHN disregard this transmission
18-02	0734	Tear Drop	30 chr EAM ZC7PW2 ZGM6RR4WWDCYSZUO4ICSAA4B
18-02	0737	Tear Drop	30 chr EAM ZCWBHN disregard this transmission
18-02	0739	Tear Drop	30 chr EAM ZCWBHN D5OKP5LT3UW4XKSITCZ6VJEA
18-02	0742	Tear Drop	30 chr EAM ZC76N4 HHZBMDXJHBTQDGNB4MU6OIAS
18-02	1615	Tear Drop	30 chr EAM ZC3XVM QSYJLWUUYX2YT5REKFXAHLH
18-02	1619	Tear Drop	30 chr EAM ZCKOJZ XHACSWRAFO2USSALGL5DUMQD
18-02	1630	Tear Drop	30 chr EAM ZCQTHE 5AO2QDYOS4MWVTGT4JL4OX2X
18-02	1642	Tear Drop	30 chr EAM ZCHETF UHDNOUKYEILDVYMOBQZYVZH6
18-02	1645	Tear Drop	30 chr EAM ZCTASJ LVBVAYHHEOETCZWW4R5HDFY3
18-02	1655	Tear Drop	30 chr EAM ZC57ZV 5GZS6POVQWCWDDRAXA5H7TQBS
18-02	1658	Tear Drop	30 chr EAM ZCW3KA 2YHIF7EW2O62LPPAKPNWA66T
18-02	1704	Tear Drop	30 chr EAM ZCHZIH QCCLKK7JAGRD3PXUSWGCHR7P
18-02	1709	Tear Drop	30 chr EAM ZCV5Y4 HAWJHECEDZCYXO6Y5XQ3VEUN
18-02	1712	Tear Drop	30 chr EAM ZC6X4P BT74P42JHT6OOKZBN3HJ3ACT
18-02	1847	Tear Drop	30 chr EAM for Esther-4 4SJUSD 3DWUJTRJWROZ4PSICXJV4INX
18-02	1915	Tear Drop	30 chr EAM ZCN5JO disregard this transmission
18-02	1917	Tear Drop	30 chr EAM ZCN5JO 5ESEDRO3TKC7VYLBNAAGTZ7H
18-02	2213	Tear Drop	30 chr EAM ZCGKDO IJAOZCMDILATGCQEOA7IULFK
18-02	2341	Tear Drop	30 chr EAM ZCHOJQ U7K3UQE2UTTEJFM3BOO5UJ7M
19-02	0004	Swiss Boy	30 chr EAM ZCNT3G WV36DNTEDXVA2BSZLOZYPR52
19-02	0024	Swiss Boy	30 chr EAM ZCARXX PDTFATPTLE5N7K3AUW7NL7HT
19-02	0026	Swiss Boy	30 chr EAM ZCKTVR MSAUG4A7V7EGJQKFX6AT37MA
19-02	0532	Swiss Boy	30 chr EAM ZCIC6C H6KP5MUJAWBLGMCB47TOSPI
19-02	0535	Swiss Boy	30 chr EAM ZC4NKV XQEGOTQCSJLGWNWFIJ5PT3DR
19-02	2205	Swiss Boy	30 chr EAM ZCZCNX ZVSXXH3RZJWNSKSVO7SUTYJ4
19-02	2209	Swiss Boy	30 chr EAM ZCCLAJ CWS7LO44HVF2I4QVGNRCUOLE
19-02	2213	Swiss Boy	30 chr EAM ZCJ5ZU PZXFIKGJIO7PM3NGWH5XSTFU
20-02	0018	Fox Hound	30 chr EAM ZCUCAS UP42WHYZEOCLMX2G5Y6DK23E
20-02	0032	Fox Hound	30 chr EAM ZCLSBK 64NMDFASPRERFCWJAQYLYDNZ
20-02	0040	Fox Hound	30 chr EAM ZCZZBM WPRKY3EKLBI6LS6B2L7X3G5
20-02	0044	Fox Hound	30 chr EAM ZCPUIW MZQ5JUUF4MMV3JND7O3QWZL
20-02	0055	Fox Hound	30 chr EAM ZCAVXK HPPVF6JBBQJTZQPEI5HJG6PX
20-02	0105	Fox Hound	30 chr EAM for Smokey Valley 4S6V2G RE7Q32QBT37JW75UOQGCRWY2
20-02	0118	Fox Hound	30 chr EAM for Smokey Valley 4SUDIE KIQC4YAI3JDEIVNT46NKACOE
20-02	0529	Fox Hound	30 chr EAM ZCBVGM NIRSOE4QURXNRUPJKH3K45SD
20-02	0532	Fox Hound	30 chr EAM ZCSOJL MPU72UMWVD5IFLH2DX7YZKDA
20-02	0553	Fox Hound	30 chr EAM ZCV4LW LPVGRAQFBGWEU3XYAL5OVTGN
20-02	1510	Fox Hound	30 chr EAM ZC2LNF 5BENVTEKTNGW3FW3ENWOBV7C
20-02	1541	Fox Hound	30 chr EAM ZCFZG5 RAH6OAA2RRLQINBMCHRFY5IR
20-02	1545	Fox Hound	30 chr EAM 4SIGAZ OOUHGRLS37FPWHRD52273DFX
20-02	1624	Fox Hound	36 chr EAM 4SUYBO AREIH6YPMMLYUIT2LVXOXGJPBLCA7C
20-02	1707	Fox Hound	43 chr EAM 4S7HNS T3RJWEPAOUHRTOKTNKROUETTOGCVOEKLIGNLH
20-02	1718	Fox Hound	43 chr EAM 4S5EPK RNX3HWG5OJBWSSEYBX4OJ5SSSOBS2T4FMBRYO
20-02	1753	Fox Hound	41 chr EAM 4SKLSZ Y7IANIRC245LVMKWO6C7IEDYJCPYE3GBFPY
20-02	1756	Fox Hound	30 chr EAM 4S4XYF EN5JUALAFD5G65RAWVSCDZTG
20-02	1833	Fox Hound	30 chr EAM for Smokey Valley 4SWER5 L4TEYUOGYZFHYIB7XN5WQ2LG
20-02	1933	Fox Hound	30 chr EAM ZCITL3 SAIXVWWQFR5XR2M6GK75QMH7
20-02	2107	Fox Hound	30 chr EAM 4SKMOY BRXPJURJWLR4F4VLO7BJSAMQ
20-02	2121	Fox Hound	30 chr EAM 4SNJCK ANLYL6UHPRAZIGGQQ7QNEGV6
20-02	2134	Fox Hound	30 chr EAM ZCFNLN ECA5REFN2D5P75SGZ2P4VHA7

20-02	2317	Fox Hound	30 chr EAM ZCVCMA 7NKAZXAI2MN4RGT466IEBSNE
21-02	0140	Assistance	30 chr EAM ZCDR4Q CNOIMXP7OBQKTMCT55JF76IB
21-02	0219	West Coast	Skyking msg: Fight Club Time 19 Auth PN
21-02	0617	Assistance	30 chr EAM ZCHCVT 6SB6MLE6ASR2ULBENP5Y2LIN
21-02	1318	Assistance	30 chr EAM ZCQCZV DMF460OWAAKVVHMI3SEWQH32
21-02	1324	Assistance	30 chr EAM ZCNFGD EV6KK3YGGCYMKSMVQ7YSDDRT
21-02	1331	Assistance	30 chr EAM ZCKAIB NPEXZZ3UWVAVWS6EZ3CXRGS
21-02	1334	Assistance	30 chr EAM ZCS6JL UWHN6VHI2BRTTFRS3O65UCNS
21-02	1634	Assistance	30 chr EAM ZC3KT7 DZIF5VSJ36L3TTTTUAVJLH4N
21-02	1853	Assistance	30 chr EAM for Signify 4SB6YY YWFFMK7K3WGKHCKZSIXSMOPL
21-02	1903	Assistance	30 chr EAM for Signify 4SSU2D HI3EY43IVOEDL4STYXSJ6VCF
21-02	1946	Assistance	30 chr EAM for Signify 4SJYFY FSDHSJGGWNEOFSXEZ4RNNTCM
22-02	0541	Log Roll	30 chr EAM ZCX5SV BEVTLVQF5T7LXUKUV7A6RPCA
22-02	1905	Log Roll	30 chr EAM for Windowsill 4SWJS6 EKECPUGC5SGUOIHBD7SNSDPC
22-02	1923	Log Roll	30 chr EAM for Windowsill 4SFP7 ALVIVDA3SP36UENQ3ONKDXSN
22-02	1945	Log Roll	30 chr EAM ZCNVSW S7BT2FA4EORUWTTKXG6CNC5S
22-02	2027	Log Roll	30 chr EAM ZCZKOV 2Z4BI5HSIVZMXMH7JCODAH4K
22-02	2030	Log Roll	30 chr EAM ZCZKOV 2Z4BI5HSIVZMXMH7JCODAH4K
22-02	2057	Log Roll	30 chr EAM ZC53G3 T34MWIYDGMRTI6A5NULR7XUT
22-02	2327	Log Roll	30 chr EAM ZCBLRB GFSEDDG7RHJ3EFFW2RJ76C3V
22-02	2336	Log Roll	30 chr EAM ZCQYLS PNH3W6WNEHSYGXOAFEQHW4Y6
22-02	2346	Log Roll	30 chr EAM ZCSG66 Q7FM2RWZ73EDIL4MRRRK4REH
23-02	0032	Wild Bill	30 chr EAM ZCBTAV LSKKAG6ONTBCIMKWDUCHABON
23-02	1349	Wild Bill	30 chr EAM for Pitcher 4SBMN2 IZ6QTSSJD2SGXHXHNOHFAMJU
23-02	1426	Wild Bill	70 chr EAM 4SV7CL QA63XGOKNPIC6CIAZJ24U3VF4PDVTRFHEMIARQ24U3XA3ARYP3FFAS3FFQS3FFRF
23-02	1446	Wild Bill	48 chr EAM YDL2R7 ACDV4NBTBNUZJZM73MJEPT6E7CCDSCIU2IIINIDQN
23-02	1451	Wild Bill	148 chr EAM YDE3AR C4NPY2FCJFBDNHUR23B2ONGU66ZMPEEDGQUDDDD2OIT7VOCEE5QMRRUJL4UEEEDQPWWCYLVV GJBBNWSNCCC2JA5RNJG77P2GFF2WDK2444Q6DXCWL5OONRIFFABNOACCCRW7S4B42A5
23-02	1551	Wild Bill	52 chr EAM 4SVDMK IHC7MHB6N6IUKVKRNC7CSYSCTP7VGIKRN76UCUS6LBDWJ
23-02	1559	Wild Bill	30 chr EAM 4SZ7QI MCAEQSVQNHBMV3XIB7K6274C
23-02	1601	Wild Bill	30 chr EAM 4S7MWF 3PEDRVN2F626ETVK6OUWNZBK
23-02	1609	Wild Bill	30 chr EAM ZCR7GX 5WKPZHT64CTZLL3BXYFWDQM
23-02	1612	Wild Bill	30 chr EAM ZCX4KK TNBLCGMUITQEP3EZUC7VZR6S
23-02	1631	Wild Bill	30 chr EAM ZC2C4R ZXUMEGAOEYNH6GGLGUTONASU
23-02	1635	Wild Bill	30 chr EAM ZCI3SA A6QBHOSIVN33QCYHJPB4H4Z5
23-02	1652	Wild Bill	30 chr EAM ZCCUZY KYNNKT6FAJTPF4UDFRNBEMBO
23-02	1716	Wild Bill	30 chr EAM ZCURDO XUFMLARFHDSDWEEOBANWZNF
23-02	1718	Wild Bill	30 chr EAM ZCBIFY POU4P6Q7BHSU46CLP7ZAP5PB
23-02	1854	Wild Bill	30 chr for Decent-34 4SQU4K 4YK7AVPO3KGM LAP6KAN64SQV
23-02	1923	Wild Bill	30 chr ZCEMS5 OFKEIT2SWP75Q7K7UEQJW4Z
23-02	2227	Wild Bill	30 chr EAM ZCNSA7 6XO3HJV6TBAXIUMS5RZVU7
23-02	2230	Wild Bill	30 chr EAM ZCAJGD DPIDBDRIBT6XKYGHLWOWMBCA
23-02	2236	Wild Bill	30 chr EAM ZCKWVG XL3HOL6OXMMO7U7ITMGKR2A7
23-02	2305	Wild Bill	30 chr EAM ZCOXVU 44DSQYGHACBHXE2PY4NJ4AFW
23-02	2317	Wild Bill	30 chr EAM ZCM33L CNOTZERSU4GFBSQ57SX4MQJ6
23-02	2323	Wild Bill	30 chr EAM ZCR5XG 42TMMUN47DJ5DFTIBB5FERR
24-02	0234	Andrews	Skyking msg: Blink-182 Time 34 Auth OQ
24-02	0500	Resident	30 chr EAM ZCQ6FS YQEIJ6GX46LHCIHP2YC5S4FQ
24-02	0502	Resident	30 chr EAM ZCTE16 AHRUWGFBLXYVWCVAXO5HKOVE
24-02	0854	Resident	30 chr EAM for Kismet 4S5X6X MUAU65GITAAMIPAJNWHTSY3Q
24-02	1532	Resident	30 chr EAM 4SLSCX IXHE25ASA25NSSOXBA7M3CUI
24-02	1643	Resident	30 chr EAM ZCKSKT 6U57DC34OIBPWLD BUT3VGZB5
24-02	1658	Resident	30 chr EAM ZCPLGG 5QEPOURVWQVT226NZMAITQKF
24-02	1711	Resident	30 chr EAM ZCHIUI 5KX4F4NJBWOLU35TSR5AXDY3
24-02	1717	Resident	30 chr EAM ZC6J2V RZOVCTW3S2RNOBUW53KZ4SU5
24-02	2212	Resident	52 chr EAM 4SRYO2 HR5JCJGJCDVBNXMTWTHQMW6HRW6RIC2R5GYRW65YGGJCVF
24-02	2303	Resident	30 chr EAM ZCMDZ7 IQQTGI4J4KAG6TZNTZ6GRQXC
24-02	2353	Resident	30 chr EAM ZCNXC5 WTW77SHQJ2TWZKMIS2TEP6ZL

24-02	2356	Resident	30 chr EAM ZC7MWH 53P4G3EV6G7M73VK4VGB6SA
25-02	0016	Twilight	30 chr EAM ZCULYC YRCTOWVQK7YV4CD2B4ZEZLZ4
25-02	0019	Twilight	30 chr EAM ZCV3R7 NGR666R4LX3ORSHWCP375KJP
25-02	0033	Twilight	30 chr EAM ZCVVBW 6KSHGVJX3E4LPWD5ZRYGOJ3A
25-02	0243	Twilight	30 chr EAM ZC3Q6A R3WQYZJTOZN67PODANTOU6RW
25-02	0318	Twilight	52 chr EAM 4SS6G4 OWHJQWJLJG52U3QAHEX4LOXUVLGBGWQAHTXKKOAA77XXE
25-02	0539	Twilight	30 chr EAM ZCEWPW FCBVMEVTZFWFANOMZNICE7FH
25-02	0824	Twilight	30 chr EAM ZC6DZF MQE62QUZD3DCWIL45CADDEE6
25-02	0827	Twilight	30 chr EAM ZC4WJ Q2UY2BRZH6SCOKZT7DJSRA3R
25-02	0831	Twilight	30 chr EAM ZCUNGV 6RSEYO3BZN5IPMSZCLFJQT35
25-02	0848	Twilight	30 chr EAM ZCX73A FWQBIOAQADHR2Z7UZYHMUMWP
25-02	1455	Twilight	30 chr EAM ZCYVFO QGUZJQX4L67JDX5ABCM50Q
25-02	1501	Twilight	30 chr EAM ZCTH7F KMQZWNVYGHUTUL23SMESZCYR
25-02	1514	Twilight	30 chr EAM ZCXSDG KOBXRB67V47MOD7QYY4RPELT
25-02	1517	Twilight	30 chr EAM ZCIUOX 3VPRUQBBYDXPKTP2BZCL54AO
25-02	1720	Twilight	77 chr EAM YDDGEP MCO3IP4XZQCWVAEA7ZUEN3TL7JUUHRTI63OWZK5FP4KO7QMPQX5FBH3LOGGGGWVE6KJHFUX
25-02	1831	Twilight	77 chr EAM YDK6JC WLWSYCQRXFT- CFWN6ALXZEH264T4E6J34Y7WP6MYV5EFHWXMSXLCYE36HFDDDD2TJKQSU6AB
25-02	2049	Twilight	30 chr EAM ZCBBAQ GZ2XB7L4H3IUIEZ3A73VJLB
25-02	2136	Twilight	30 chr EAM ZCW6FA QXW7Z7USUJ4E7FV2UA3FC333
25-02	2213	Twilight	30 chr EAM ZCMGRT ZPHDUJ4SN2K3HHYMFHB77F22
25-02	2322	Twilight	30 chr EAM ZCHYPU 3IPU6ZSC3XKOJXOZLIVCELJD
25-02	2333	Andrews	Skyking msg: Pink Floyd Time 33 Auth LG
26-02	0002	Royal Ark	30 chr EAM ZCM64Q RU7HEC4GCQNNTDAMB3KBKGG0
26-02	0005	Royal Ark	30 chr EAM ZCM4VR TP34HYVQYUEWSNZJOFG5QNV5
26-02	0016	Royal Ark	30 chr EAM ZCVWRN TRZY5WOW7XKKPNLFFB5H3EZJ
26-02	0019	Andrews	Skyking msg: Hendrix Time 19 Auth PT
26-02	0302	Royal Ark	30 chr EAM ZCHJH6 ZHXVXXOTKS26TAVZJRIAI5HF
26-02	0359	Andrews	Skyking msg: Seagull Time 59 Auth NI
26-02	0423	Andrews	Skyking msg: Seagull Time 23 Auth FC
26-02	1546	Royal Ark	30 chr EAM SWJGYP EQ3Q7ZIZQTSN3TNBS5MGPSNK
26-02	1549	Royal Ark	30 chr EAM SWDDUF VOBLBULSLWG557BRXQFSG2EW
26-02	1558	Royal Ark	30 chr EAM SW6MK7 VBQGEZF2WFCKK663ETJJQ6SD
26-02	1626	Royal Ark	30 chr EAM SWNVB3 W57CRJNKYMG4NKKV4HWYXXZXN
26-02	1629	Royal Ark	30 chr EAM SW6CNR BO75TRDRNUT6PNOQ7KE7DAI7
26-02	1633	Royal Ark	30 chr EAM 4SSEMZ disregard this transmission
26-02	1635	Royal Ark	30 chr EAM for Balor 4SSEMZ GCSWKK2ZJXSRZC4TSWNLNM7T
26-02	1647	Royal Ark	30 chr EAM SWAPXW UWUADEDSJBKBL2ODVF5BXN
26-02	1649	Royal Ark	30 chr EAM SWHIMZ 2357SFE2PDBBKGOBUIFV6IFL
26-02	1817	Royal Ark	30 chr EAM for Joule-52 4SWS5C XCTHCQIHNSXFSO5WFFVVK3DJF
26-02	1847	Royal Ark	30 chr EAM SWATR5 UJ6I7LDYMEGO7D6JH3TJI4M5
26-02	2051	Royal Ark	30 chr EAM SWAMGA ZUXJ764DNLHMWXWDSLRLKB6X
26-02	2316	Royal Ark	30 chr EAM SWGMPP P7RVVPTXPSHK3VJQXTDGT2DH
27-02	0053	Validate	30 chr EAM SWYODF NEGWR3ESAIJBOZUN3PK6MBWN
27-02	0110	Validate	30 chr EAM for Mathematician 4SA3IQ CINX5FESSWR4HSAXH7R22GF6
27-02	0114	Validate	30 chr EAM 4SAFTL TZEMNYZOEAOMRRAQZ3LQOT3
27-02	0821	Validate	30 chr EAM SWU3GT QDDB3TKHAYUG3TIO4UNLRVBK
27-02	0825	Validate	30 chr EAM SWP2CA 5PBKWRHLJLEQN675LEDZMQZ5
27-02	1134	Validate	40 chr EAM YDCFHJ OFGQABLELTXC3OJ24DGA2CP6BXL3Y6RCG6
27-02	1904	Validate	84 chr EAM YDQMXS 2JR4V4CERLPSUVAXCDJQGUFSPDHSC52LX3A4G6SIVHC4KZ4VZ66J6J27P4E6Y4XNNNN7LYYJFXIPM
27-02	2050	Validate	30 chr EAM 4SAR2Y D5KOOEDVRJOIHQ25G6SNTDLP
27-02	2105	Validate	30 chr EAM 4SWZPV JEBF5OHC6K6KXG6VLXCX6ON
27-02	2135	Validate	30 chr EAM SWR5YP 3RSTO7J72MSWSQTBVAPSUYO3
27-02	2303	Validate	30 chr EAM SWVYYR BKPOAYS5KD6GER634IJQHMOH
28-02	0155	Mangroom	Skyking msg: Deep Purple Time 55 Auth VK
28-02	1528	Mangroom	30 chr EAM SW3IOL JEXLPG3GAEAQ3V53YG7KH4I
28-02	1532	Mangroom	30 chr EAM SWU7RD 6ZS4HKELS725ZBSTEMXANX2UB
28-02	1852	Mangroom	30 chr EAM for American Elm 4S7N23 DBPIBCJSRM3WULLBFWFV5H77

28-02	1902	Mangroom	30 chr EAM for American Elm 4SFOB3 IR6RP55BB6K5DKO5X7HWAQ6E
28-02	1945	Mangroom	30 chr EAM for American Elm YYGXPO UTTYNUYWCCJQJ6XJ4BHT6QYH
28-02	2312	Mangroom	30 chr EAM YYT7L2 ZU6IYRXFUUC7Y6JKW5FTMD3Y
28-02	2316	Mangroom	30 chr EAM YYFRBH CWUNCHKFLK2OE4SZQLAL53AH
28-02	2320	Mangroom	30 chr EAM SWFFGR 43CQYZ5OXWMIGNZ6TTSSFICG
28-02	2328	Mangroom	30 chr EAM SWNIFB BQEPZJENL6CGGE7FSZ6RWWCX
28-02	2330	Mangroom	30 chr EAM SWNIFB BQEPZJENL6CGGE7FSZ6RWWCX

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from the many logs submitted to UDXF by Wolfgang, Ron, André, Ary, JP, Patrick, AnEur

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

RMv – Russian Military

5596 kHz, 07-02, 1010 UTC Vorkuta wkg 23126 (MI-8MT Border Guards)

RNv – Russian Navy

8439 kHz, 07-08, 0113 UTC Greyder (Russian Pacific Fleet HQS, Vladivostok) clg Lampas

RNav – Russian Navy Air Transport

11354 kHz, 07-08, 0202 UTC

Izluchatel' (Russian Pacific Fleet Naval Airbase, Nikolayevka) wkg 75336 (Russian Navy IL-18D) reporting landing at Point #5. Izluchatel' relays flt info to Monolog (Naval Air Transports Eastern Sector, Vladivostok).

11354 kHz, 07-08, 0207 UTC

Monolog clg w/52674 (Russian Navy AN-26) reporting passing Point #184 at 0206 UTC and ETA landing is 0305 UTC. Currently at altitude 2800 mtrs w/2.5 hrs fuel remaining.

RAv – Russian Air Force

Korsar - Russian Military Transport Aviation (VTA) HQs, Moscow
 Polis- 117th Air Transport Regiment, 6956th Air Base, Orenburg
 Klarnetist- 12th Air Transport Division, 6955th Air Base, Migalovo/Tver
 Proselok- 566th Air Transport Regiment, Bryansk
 Davlenie- 708th Air Transport Regiment, 6958th Air Base, Taganrog
 Magneton- poss 566th Military Transport Air Regiment - Seshcha

11360 kHz, 07-02

0919 UTC Korsar clg 27251 (unid) w/no response. Calling again at 1030Z.
 1035 UTC Korsar clg 76739 (IL-76MD) w/no response.
 1037 UTC Korsar wkg 76793 (IL-76MD) reporting landing at (missed).
 1050 UTC Korsar wkg 76599 (IL-76MD)
 1100 UTC Korsar clg 76739 & 27251 w/no responses.
 1103 UTC Korsar wkg 86907 (IL-76MD) reporting 2 hrs into flt; ops normal.
 1104 UTC Korsar wkg 76599 (IL-76MD) reporting 2 hrs into flt; ops normal.
 1105 UTC Korsar wkg 76727 (IL-76MD) reporting 2 hrs into flt; ops normal.
 1117 UTC Korsar wkg 76725 (IL-76MD) reporting landing at Kanatniy (Russian AB, Ivanovo-North) at 1405 MSK

11360 kHz, 08-02

0901 UTC Korsar radio check with Proselok and calling several others for radio check which didn't reply
 0901 UTC Proselok: 566th Air Transport Regiment Bryansk radio check with Korsar

M32 - Russian / CIS Military CW Stations

Frequencies and callsigns of the 5596/5593 kHz net. Submitted by AnEur.

<p>Nighttime frequencies and callsigns per 1 Feb.</p> <p>Net Control 5596 kHz</p> <p>Out stations 5593 kHz</p> <p>Net Control 1U8P</p> <p>Collective callsign ?</p> <p>Out stations AOLG, MZ9Q, ZJAF, M91S, W5V6</p>	<p>Daytime frequencies and callsigns per 1 Feb.</p> <p>Net Control 10064 kHz</p> <p>Out stations ?</p> <p>Net Control DYWJ</p> <p>Collective callsign ?</p> <p>Out stations V2CS, H2PN, SNYS, PX4Y, CMJV</p>
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<p>Daytime frequencies and callsigns per 11 Feb.</p> <p>Net Control 5596 kHz</p> <p>Out stations 5593 kHz</p> <p>Net Control MPLH</p> <p>Collective callsign W8AT</p> <p>Outstations QLHM, F2ZV, ADY7, SZMT</p>	<p>Daytime frequencies and callsigns per 11 Feb.</p> <p>Net Control 10064 kHz</p> <p>Out stations ?</p> <p>Net Control CVCH</p> <p>Collective callsign ?</p> <p>Out stations SSX5, 6UNR, BM3U, FGYX, BNWJ</p>
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12707 kHz, 19-02, 0913 UTC

XXX XXX WLHN WLHN 09391 MARTOSBOJ 4518 5650

12707 kHz, 19-02, 0918 UTC

XXX XXX N1DX N1DX F2ET F2ET 57084 38400 TIGRONOS 0637 3370 PUFOKREN 8530 4520

12707 kHz, 19-02, 0923 UTC

SPWZ DE LGCA K RK

SE2C DE LGCA K RK

TUFR DE LGCA K RK

K81M DE LGCA K RK

Y6Q8 DE LGCA K RK

THVU DE LGCA K RK

14411 kHz, 19-02, 0929 UTC

XXX XXX RDL RDL 70376 78920 KOBOLXD 3850 4853

12152 kHz, 24-02, 0923 UTC, i.p.

2LME 624 12 196 20 = 836 =

54367 10851 54782 98714 42646 89716 39924 86994 34064 77996

25066 72135 16068 63137 10208 54139 10624 44553 98487 42419

86350 33421 24022 K

B6LH B6LH B6LH QTC +

12152 kHz, 24-02, 0929 UTC

B6LH B6LH B6LH 794 23 24 1227 794 = 315 =

11111 53571 78675 25745 53987 88229 10471 38713 63897 92059

23439 48543 76784 11303 39545 64648 92890 27409 55660 80754

12135 24021 K

R K

BK RPT K

R K

2LME K

12152 kHz, 24-02, 1030 UTC

OHTC DE CBGK K

CBGK

ZKF ZSE ZKD ZVR ZPT ZTK QSU 1 QYT 6 QSU 6 K

OK AS

CBGK R K

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

3254 kHz, 01-02, 1450 UTC

XXX RJY50 RJY50 22991 OTYSKIWANXE 6842 7954 K

3254 kHz, 01-02, 1616 UTC

XXX RJY50 22865 GEPTAHORD 9605 1356 K

3254 kHz, 01-02, 1618 UTC

XXX RJY50 82531 KRÂVOCHARM 3963 1845 K

3254 kHz, 01-02, 1620 UTC

XXX RJY50 85315 OWSÂNICA 6319 3993 K

5023.5 kHz, 07-02, 1803 UTC: RIR98 - Russian Navy PM-56

RCV DE RIR98 711 17 7 2100 711 = SML FOR RJE73 RJH45 =

07181 99348 10359 41498 10026 10175 40190 52005 70100 81400 22252 00190 20501 07013 = + RIR98 K

8345 kHz, 07-02, 0618 UTC: RLA88 – Russian Navy Ship Yelnya

RCV DE RLA88 715 17 7 0915 715 = SML FOR RIW RCV RMP = 11111 72314 660... 22438 87904

8345 kHz, 07-02, 0604 UTC: RLA88 – Russian Navy Ship Yelnya

RCV DE RLA88 382 17 7 0900 382 = SML FOR RJH45 RJE73 =

07061 99349 10357 41/97 61103 10160 40238 53010 70222 866// 22261 00170 20000 07013 = + RLA88 K

8345 kHz, 07-02: RMCW - Russian Navy Ship Donuzlav

RMCW 87918 EROKAÛK 8613 1207 K

RMCW 63705 LOTOTEST 5779 6759 K

RMCW 32213 WISKONSIN 0265 8383 K

8345 kHz, 07-02, 1806 UTC: RLA88 - Russian Navy Ship Yelnya

RCV DE RLA88 - RIW DE RLA88 996 17 7 2100 996 = SML FOR RJH45 RJE73 =

07181 99342 10331 41/97 30606 10180 40236 53002 70222 83600 22263 00170 20901 07013 = + RLA88 K

8345 kHz, 07-02, 2127 UTC: RMCW - Russian Navy Ship Donuzlav

RCV DE RMCW 191 25 8 0022 191 = 11111 03990 89191 74417 25436 53713

8345 kHz, 08-02, 0616 UTC: RLA88 - Russian Navy Ship Yelnya

RCV DE RLA88 931 17 8 0910 931 = SML FOR RJH45 RJE73 =

08061 99343 10304 41/97 80905 10192 40201 53010 75062 88/// 22263 00165 29901 08013 = + RLA88 K

9289 kHz 07-02, 0601 UTC: RIR98 - Russian Navy PM-56

RCV DE RIR98 243 19 7 0900 243 = SML FOR RJE73 RJH45 =

07061 99349 10358 41398 20000 10120 40160 54000 70200 82210 22200 00198 20501 88000 80000 07015 = + RIR98 K

9289 kHz, 07-02, 1204 UTC: RIR98 - Russian Navy PM-56

RCV DE RIR98 21819 7 1500 218 = SML FOR RJE73 RJH45 =

07121 99349 10358 41398 13503 10230 40200 52040 70100 81210 22200 00198 20501 88000 80000 07015 = + RIR98 K

12464 kHz, 07-02, 1505 UTC: RLA88 - Russian Navy Ship Yelnya

RCV DE RLA88 RIW DE RLA88 737 25 7 1800 737 = FOR RIW RMP = 11111 60722 57980 45360 16421

8191 kHz, 12-02, 1500 UTC

REO REO REO DE RMP RMP QTC 988 28 12 1756 988 = SML =

BALTIJSKOE MORE OPOWEQENIE NR 70 SHORMOWOE PREDUPREVDETIE ÜVNOM ÜGOZAPADNOM WETRE 20 TIRE 25 MS PO
RAJONU 4 ZAMENÄETSÄ NA SHORMOWOE ÜGOZAPADNOM ZAPADNOM WETRE 13 TIRE 18 MS AR

8191 kHz, 21-02, 1057 UTC

RJD69 RJD69 RJD69 DE RMP RMP QRR3 QDW 5054 AR

8191 kHz, 21-02, 1236 UTC

RIO96 RIO96 RIO96 DE RMP RMP QYT 9 QSX 6477 QWH 4403 AR

8191 kHz, 21-02, 1322 UTC

REO REO REO DE RMP RMP QTC 539 22 21 1613 539 = 11111 49421 58377 26864 14918 73887 58675 37151 79513 98624 67586
16018 68739 06996 21977 65463 22168 48057 55326 33242 70701 21021 AR

8191 kHz, 21-02, 1329 UTC

REO REO REO DE RMP RMP QTC 299 22 21 1623 299 = 22222 91102 80407 51173 17032 87604 82416 79413 09240 76229 09687
43275 58510 50815 95400 72451 11735 94658 89754 71264 65293 21021 AR

8191 kHz, 23-02, 1313 UTC

REO REO REO DE RMP RMP QTC 167 27 23 1600 167 = SML =

SHORMOWOE PREDUPREVDENIE NR 51 23 FEWRALÄ PERIOD 21 TIRE 24 ÖASA PO WOSTOKU RAJONU 4 OVIDAETSÄ USILENIE
SEWERO WOSE GO ETRA 12 TIRE 17 MS AR

8191 kHz, 28-02, 1422 UTC

REO REO REO DE RMP RMP QTC 403 37 28 1711 403 = SML = BALTIJSKOE MORE OPOWEQENIE NR 92 SHORMOWOE
PREDUPREVDENIE SEWEROWOSTOÖNOM WOSTOÖNOM WETRE 12 TIRE 15 MS PO RAJONU 1 ZPT 2 OTMENÄETSÄ RAJONU 3
SOHRANÄETSÄ SHORMOWOE PREDUPREVDENIE WOSTOÖNOM SEWEROWOSTOÖNOM 16 TIRE 20 MS PO RAJONU 4
SOHRANÄETSÄ AR

LOGS SECTION

Sorted on Station code, date and time.

Code	Freq	Date	UTC	Day	Details	Mode	Ctrb
---	3265	1-2	1426	Thu	RM3 DE TLM QSA ? 1941 K. RM3 de TLM QSA ? 0368 K. QTC NR 02 37 30 0201 2300 1234567 = 31415 26410 32915 24185 514866	CW	(F5JBR-J)
---	3265	1-2	1445	Thu	VVV VVV T1G de TLM QSA ? VVV VVV T1G de TLM QSA ? 7849 ? 7849 K	CW	(F5JBR-J)
---	3265	1-2	1603	Thu	TLM wkg 3 outstations: S1O, RM3, T1G: S1O de TLM QTC NR 02 38 30 0201 2300 123456 = 31415 26410 32915 02715 ...	CW	(F5JBR-J)
---	4144	23-2	1431	Fri	VVV 6WY DE 9PF VVV ZIZ	CW	(JPL-CHN)
---	5479	15-2	1253	Thu	VPZ4 DE 9WPK VPZ4 DE 9WPK OK QRO K (same freq as M89)	CW	(JPL-J)
---	10200	8-2	0838	Thu	Test count in a Slavic language	USB	(AB)
DPRK	12222	6-2	0828	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	4745	16-2	2130	Fri	Windows XP sound. Same rhythm as the usual digits. XP shutdown sound at the end of the transmission	USB	(AB)
E06	4760	2-2	2128	Fri	472 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000	USB	(AB)
E06	4760	16-2	2125	Fri	Windows XP sound. Same rhythm as the usual digits.	USB	(AB)
E06	4836	1-2	2030	Thu	321 321 321 00000	USB	(AB/MPJ)
E06	4836	15-2	2030	Thu	Windows XP sound. Same rhythm as the usual digits. XP shutdown sound at the end	USB	(AB)
E06	13373	15-2	0405	Thu	i.p.	USB	(HFD)
E06	17480	15-2	0600	Thu	702 641 43 91237	USB	(HFD)
E07	4483	1-2	2150	Thu	744 744 744 1 768 79 768 79 41672 54211 23842 ... 11008 56723 44856 000 000	AM	(AB)
E07	4483	15-2	2150	Thu	744 744 744 1 6010 57 6010 57 35009 88296 69637 ... 83051 54404 85800 000 000	AM	(AB-RUS)
E07	5257	5-2	2040	Mon	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/HFD)
E07	5257	7-2	2040	Wed	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/HFD)
E07	5449	1-2	2130	Thu	744 744 744 1 768 79 768 79 41672 54211 23842 ... 11008 56723 44856 000 000	AM	(AB)
E07	5449	8-2	2130	Thu	744 744 744 000	AM	(AB)
E07	5449	15-2	2130	Thu	744 744 744 1 6010 57 6010 57 35009 88296 69637 ... 83051 54404 85800 000 000	AM	(AB-RUS)
E07	5449	22-2	2130	Thu	744 744 744 000	AM	(AB)
E07	6777	1-2	2110	Thu	744 744 744 1 768 79 768 79 41672 54211 23842 ... 11008 56723 44856 000 000	AM	(AB)
E07	6777	8-2	2110	Thu	744 744 744 000	AM	(AB)
E07	6777	15-2	2110	Thu	744 744 744 1 6010 57 6010 57 35009 88296 69637 ... 83051 54404 85800 000 000	AM	(AB-RUS)
E07	6777	22-2	2110	Thu	744 744 744 000	AM	(AB)
E07	6857	5-2	2020	Mon	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/HFD)
E07	6857	7-2	2020	Wed	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/HFD)
E07	6857	12-2	2020	Mon	182 182 182 000	USB	(AB)
E07	6857	14-2	2020	Wed	182 182 182 000	USB	(AB/MPJ/RL)
E07	6857	19-2	2020	Mon	182 182 182 000	USB	(AB)
E07	6857	21-2	2020	Wed	182 182 182 000	USB	(AB)

E07	6857	26-2	2020	Mon	182 182 182 000	USB	(AB)
E07	6857	28-2	2020	Wed	182 182 182 000	USB	(AB)
E07	7519	4-2	1840	Sun	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(MPJ/HFD-FIN)
E07	7519	7-2	1840	Wed	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(AB-GRC)
E07	7519	18-2	1840	Sun	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB/MPJ)
E07	7519	21-2	1840	Wed	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB/MPJ)
E07	7519	25-2	1840	Sun	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB-RUS/MPJ)
E07	7519	28-2	1840	Wed	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB/MPJ)
E07	8157	5-2	2000	Mon	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/MPJ/HFD)
E07	8157	7-2	2000	Wed	182 182 182 1 345 73 345 73 24535 07302 09800 ... 65983 09881 03098 000 000	USB	(AB/MPJ/HFD)
E07	8157	12-2	2000	Mon	182 182 182 000	USB	(AB/MPJ)
E07	8157	14-2	2000	Wed	182 182 182 000	USB	(AB/MPJ/RL)
E07	8157	19-2	2000	Mon	182 182 182 000	USB	(AB/MPJ)
E07	8157	21-2	2000	Wed	182 182 182 000	USB	(AB/MPJ)
E07	8157	26-2	2000	Mon	182 182 182 000	USB	(AB/MPJ)
E07	8157	28-2	2000	Wed	182 182 182 000	USB	(AB/MPJ)
E07	9119	4-2	1820	Sun	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(MPJ/HFD)
E07	9119	7-2	1820	Wed	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(AB-GRC)
E07	9119	11-2	1820	Sun	215 215 215 000	AM	(AB)
E07	9119	14-2	1820	Wed	215 215 215 000	AM	(AB-RUS)
E07	9119	18-2	1820	Sun	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB/MPJ)
E07	9119	21-2	1820	Wed	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB)
E07	9119	25-2	1820	Sun	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB-RUS/MPJ)
E07	9119	28-2	1820	Wed	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB/MPJ)
E07	10112	3-2	0700	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	10112	4-2	0700	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	10112	10-2	0700	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	10112	11-2	0700	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	10112	17-2	0700	Sat	111 111 111 000	USB	(AB/HFD)
E07	10112	18-2	0700	Sun	111 111 111 000	USB	(AB)
E07	10112	24-2	0700	Sat	111 111 111 000	USB	(AB)
E07	10112	25-2	0700	Sun	111 111 111 000	USB	(AB)
E07	10219	4-2	1800	Sun	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(MPJ/HFD)
E07	10219	7-2	1800	Wed	215 1 338 139 15275 20282 70884 ... 48190 08948 43691 000 000	AM	(AB-AUT)
E07	10219	11-2	1800	Sun	215 215 215 000	AM	(AB)
E07	10219	14-2	1800	Wed	215 215 215 000	AM	(AB-RUS)
E07	10219	18-2	1800	Sun	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB/MPJ)
E07	10219	21-2	1800	Wed	215 215 215 1 137 75 137 75 77619 12844 30308 ... 87790 13015 08941 000 000	AM	(AB)
E07	10219	25-2	1800	Sun	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB-RUS/MPJ)
E07	10219	28-2	1800	Wed	215 215 215 1 337 99 337 99 34096 65373 60968 ... 90281 06796 28274 000 000	AM	(AB/MPJ)

E07	11112	3-2	0720	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	11112	4-2	0720	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	11112	10-2	0720	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	11112	11-2	0720	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	11112	17-2	0720	Sat	111 111 111 000	USB	(AB/HFD)
E07	11112	18-2	0720	Sun	111 111 111 000	USB	(AB)
E07	11112	24-2	0720	Sat	111 111 111 000	USB	(AB)
E07	11112	25-2	0720	Sun	111 111 111 000	USB	(AB)
E07	12112	3-2	0740	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	12112	4-2	0740	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	12112	10-2	0740	Sat	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	12112	11-2	0740	Sun	111 111 111 1 600 74 600 74 42504 29609 92494 ... 53768 17711 50853 000 000	USB	(AB)
E07	13361	6-2	1140	Tue	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB)
E07	13361	9-2	1140	Fri	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB/MPJ/HFD)
E07	13361	20-2	1140	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(AB)
E07	13361	20-2	1140	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(MPJ)
E07	14661	2-2	1120	Fri	163 163 163 000	USB	(AB/MPJ)
E07	14661	6-2	1120	Tue	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB)
E07	14661	9-2	1120	Fri	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB/MPJ/HFD)
E07	14661	13-2	1120	Tue	163 163 163 000	USB	(AB/MPJ)
E07	14661	16-2	1120	Fri	163 163 163 000	USB	(AB/MPJ)
E07	14661	20-2	1120	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(AB)
E07	14661	20-2	1120	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(MPJ)
E07	14661	27-2	1120	Tue	163 163 163 000	USB	(AB)
E07	16161	2-2	1100	Fri	163 163 163 000	USB	(AB/MPJ)
E07	16161	6-2	1100	Tue	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB)
E07	16161	9-2	1100	Fri	163 163 163 1 5495 73 5495 73 39501 28565 82679 ... 79050 48157 87958 000 000	USB	(AB/MPJ/HFD)
E07	16161	13-2	1100	Tue	163 163 163 000	USB	(AB)
E07	16161	16-2	1100	Fri	163 163 163 000	USB	(AB/MPJ)
E07	16161	20-2	1100	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(AnEur)
E07	16161	20-2	1100	Tue	163 163 163 1 8611 65 8611 65 03078 73796 42806 ... 47023 42417 28003 000 000	USB	(AB)
E07	16161	27-2	1100	Tue	163 163 163 000	USB	(AB/MPJ)
E07a	4577	14-2	2140	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	4577	21-2	2140	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5111	1-2	0530	Thu	189 189 189 000	USB	(AB)
E07a	5111	8-2	0530	Thu	189 189 189 000	USB	(AB)
E07a	5111	15-2	0530	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5111	22-2	0530	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5277	7-2	2120	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	14-2	2120	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)

E07a	5277	21-2	2120	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5277	28-2	2120	Wed	825 825 825 0	USB	(AB)
E07a	5811	1-2	0550	Thu	189 189 189 000	USB	(AB)
E07a	5811	8-2	0550	Thu	189 189 189 000	USB	(AB)
E07a	5811	15-2	0550	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5811	22-2	0550	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5877	7-2	2100	Wed	825 825 825 000	USB	(AB)
E07a	5877	14-2	2100	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	5877	21-2	2100	Wed	825 825 825 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB/RL)
E07a	5877	28-2	2100	Wed	825 825 825 000	USB	(AB)
E07a	6911	15-2	0610	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	6911	22-2	0610	Thu	189 189 189 1 60906 8036 55 8036 55 50253 09526 77208 ... 67202 76588 61754 000 000	USB	(AB)
E07a	8147	2-2	1630	Fri	318 318 318 000	USB	(AB/MPJ)
E07a	8147	9-2	1630	Fri	318 318 318 000	USB	(AB/HFD)
E07a	8147	16-2	1630	Fri	318 318 318 000	USB	(AB/MPJ)
E07a	8147	23-2	1630	Fri	318 318 318 000	USB	(AB/W9SPY/MPJ)
E07a	9347	2-2	1610	Fri	318 318 318 000	USB	(AB/MPJ)
E07a	9347	9-2	1610	Fri	318 318 318 000	USB	(AB/MPJ/HFD)
E07a	9347	16-2	1610	Fri	318 318 318 000	USB	(AB/MPJ)
E07a	9347	23-2	1610	Fri	318 318 318 000	USB	(AB/MPJ)
E07a	11053	3-2	0900	Sat	015 015 015 000	USB	(AB/HFD)
E07a	11053	10-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	11053	17-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	11053	24-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	12153	3-2	0920	Sat	015 015 015 000	USB	(AB/HFD)
E07a	12153	10-2	0920	Sat	015 015 015 000	USB	(AB)
E07a	12153	17-2	0920	Sat	015 015 015 000	USB	(AB)
E07a	12153	24-2	0920	Sat	015 015 015 000	USB	(AB)
E11	4505	3-2	0710	Sat	497/00	USB	(AB)
E11	4505	4-2	0710	Sun	492/00	USB	(AB)
E11	4505	4-2	1605	Sun	238/00	USB	(AB/MPJ)
E11	4505	6-2	1605	Tue	236/00	USB	(AB)
E11	4505	10-2	0710	Sat	491/00	USB	(AB)
E11	4505	11-2	0710	Sun	490/00	USB	(AB)
E11	4505	11-2	1605	Sun	236/00	USB	(AB)
E11	4505	17-2	0710	Sat	495/00	USB	(AB)
E11	4505	18-2	0710	Sun	496/00	USB	(AB)
E11	4505	20-2	1605	Tue	230/00	USB	(AB/MPJ)
E11	4505	25-2	1605	Sun	231/00	USB	(AB/MPJ)
E11	4505	27-2	1605	Tue	230/00	USB	(AB/MPJ)

E11	4909	26-2	0450	Mon	411/00	USB	(AB)
E11	5409	1-2	1530	Thu	267/00	USB	(AB/MPJ)
E11	5409	8-2	1530	Thu	266/00	USB	(AB/MPJ)
E11	5409	22-2	1530	Thu	262/00	USB	(AB/MPJ)
E11	5779	1-2	0315	Thu	253/00	USB	(AB)
E11	5779	1-2	1730	Thu	414/00	USB	(AB/MPJ)
E11	5779	7-2	0315	Wed	259/00	USB	(AB)
E11	5779	8-2	0315	Thu	255/00	USB	(AB)
E11	5779	8-2	1730	Thu	413/00	USB	(AB/MPJ)
E11	5779	14-2	0315	Wed	250/00	USB	(AB)
E11	5779	15-2	0315	Thu	250/00	USB	(AB)
E11	5779	22-2	1730	Thu	415/00	USB	(AB/GHn/MPJ)
E11	6849	1-2	1900	Thu	640/00	USB	(AB/MPJ)
E11	6849	5-2	1900	Mon	646/00	USB	(AB/MPJ)
E11	6849	8-2	1900	Thu	641/00	USB	(AB/MPJ/HFD)
E11	6849	12-2	1900	Mon	643/00	USB	(AB)
E11	6849	15-2	1900	Thu	648/00	USB	(AB/MPJ)
E11	6849	26-2	1900	Mon	641/00	USB	(AB/MPJ)
E11	7317	6-2	1205	Tue	460/00	USB	(AB)
E11	7317	7-2	1205	Wed	469/00	USB	(AB)
E11	7317	13-2	1205	Tue	461/00	USB	(AB/MPJ)
E11	7317	14-2	1205	Wed	464/00	USB	(AB/MPJ)
E11	7317	27-2	1205	Tue	466/00	USB	(AB/MPJ)
E11	7317	28-2	1205	Wed	466/00	USB	(AB/MPJ)
E11	7377	11-2	0805	Sun	315/00	USB	(AB)
E11	7377	17-2	0805	Sat	310/00	USB	(AB)
E11	7377	18-2	0805	Sun	314/00	USB	(AB)
E11	7377	24-2	0805	Sat	316/00	USB	(AB)
E11	7377	25-2	0805	Sun	319/00	USB	(AB)
E11	7840	1-2	0645	Thu	519/00	USB	(AB)
E11	7840	6-2	0645	Tue	514/00	USB	(AB)
E11	7840	8-2	0645	Thu	511/00	USB	(AB)
E11	7840	20-2	0645	Tue	515/00	USB	(AB)
E11	7840	22-2	0645	Thu	511/00	USB	(AB)
E11	7840	27-2	0645	Tue	512/00	USB	(AB)
E11	7984	1-2	0820	Thu	435/00	USB	(AB)
E11	7984	5-2	0820	Mon	436/00	USB	(AB)
E11	7984	8-2	0820	Thu	434/00	USB	(AB)
E11	7984	19-2	0820	Mon	438/00	USB	(AB)
E11	8180	1-2	0930	Thu	275/00	USB	(AB)

E11	8180	7-2	0930	Wed	273/00	USB	(AnEur)
E11	8180	8-2	0930	Thu	275/00	USB	(AB)
E11	8180	21-2	0930	Wed	275/00	USB	(AB)
E11	8180	22-2	0930	Thu	276/00	USB	(AB)
E11	8180	28-2	0930	Wed	279/00	USB	(AB)
E11	8545	3-2	1730	Sat	409/00	USB	(GHn/MPJ)
E11	8545	7-2	1730	Wed	406/00	USB	(AB/MPJ)
E11	8545	10-2	1730	Sat	405/00	USB	(AB/MPJ)
E11	8545	14-2	1730	Wed	400/00	USB	(AB/MPJ)
E11	8545	17-2	1730	Sat	405/00	USB	(AB/MPJ)
E11	8545	28-2	1730	Wed	409/00	USB	(AB/MPJ)
E11	8680	1-2	1300	Thu	585/00	USB	(AB)
E11	8680	3-2	1300	Sat	588/00	USB	(AB)
E11	8680	8-2	1300	Thu	581/00	USB	(AB/MPJ)
E11	8680	10-2	1300	Sat	581/00	USB	(AB/MPJ)
E11	8680	22-2	1300	Thu	581/00	USB	(AB/MPJ)
E11	8680	24-2	1300	Sat	586/00	USB	(AB/MPJ)
E11	8800	2-2	1000	Fri	308/00	USB	(AB)
E11	8800	13-2	1000	Tue	305/00	USB	(AB)
E11	8800	16-2	1000	Fri	306/00	USB	(AB)
E11	8800	20-2	1000	Tue	305/00	USB	(AB)
E11	8800	23-2	1000	Fri	308/00	USB	(AB)
E11	8800	27-2	1000	Tue	302/00	USB	(AB)
E11	9130	2-2	0715	Fri	639/00	USB	(AB)
E11	9130	6-2	0715	Tue	631/00	USB	(AB)
E11	9130	9-2	0715	Fri	639/00	USB	(AB)
E11	9130	20-2	0715	Tue	635/00	USB	(AB)
E11	9130	27-2	0715	Tue	636/00	USB	(AnEur)
E11	9200	2-2	0600	Fri	180/00	USB	(AB)
E11	9200	12-2	0600	Mon	184/00	USB	(AB)
E11	9200	16-2	0600	Fri	184/00	USB	(AB)
E11	9200	19-2	0600	Mon	188/00	USB	(AB)
E11	9200	23-2	0600	Fri	186/00	USB	(AB)
E11	9200	26-2	0600	Mon	182/00	USB	(AB)
E11	9443	3-2	1705	Sat	391/00	USB	(GHn/MPJ)
E11	9443	7-2	1705	Wed	393/00	USB	(AB/MPJ)
E11	9443	10-2	1705	Sat	396/00	USB	(AB)
E11	9443	14-2	1705	Wed	393/00	USB	(AB/MPJ)
E11	9443	17-2	1705	Sat	390/00	USB	(AB/MPJ)
E11	9443	28-2	1705	Wed	390/00	USB	(AB/MPJ)

E11	9446	5-2	0900	Mon	534/00	USB	(AB)
E11	9446	7-2	0900	Wed	536/00	USB	(AB)
E11	9446	12-2	0900	Mon	532/00	USB	(AB)
E11	9446	14-2	0900	Wed	536/00	USB	(AB)
E11	9446	19-2	0900	Mon	535/00	USB	(AB)
E11	9446	21-2	0900	Wed	535/00	USB	(AB)
E11	10213	5-2	0745	Mon	261/00	USB	(AB)
E11	10213	19-2	0745	Mon	268/00	USB	(AB)
E11	10213	26-2	0745	Mon	267/00	USB	(AB)
E11	10448	4-2	1625	Sun	974/00	USB	(GHn/MPJ)
E11	10448	14-2	1625	Wed	975/00	USB	(AB/MPJ)
E11	10448	18-2	1625	Sun	970/00	USB	(AB/MPJ)
E11	10448	21-2	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	10448	25-2	1625	Sun	978/00	USB	(AB/MPJ)
E11	10448	28-2	1625	Wed	976/00	USB	(AB/MPJ)
E11	10487	4-2	1910	Sun	613/00	USB	(AB)
E11	10487	9-2	1910	Fri	617/00	USB	(AB-AUT)
E11	11104	1-2	0845	Thu	154/00	USB	(AB)
E11	11104	13-2	0845	Tue	156/00	USB	(AB)
E11	11104	15-2	0845	Thu	159/00	USB	(AB)
E11	11104	20-2	0845	Tue	151/00	USB	(AB)
E11	11104	27-2	0845	Tue	154/00	USB	(AB)
E11	11107	4-2	2005	Sun	365/00	USB	(AB)
E11	11107	18-2	2005	Sun	369/00	USB	(AB/MPJ)
E11	11107	25-2	2005	Sun	36?/? ? unreadable	USB	(MPJ)
E11	11450	5-2	0640	Mon	944/00	USB	(AB)
E11	11450	7-2	0640	Wed	948/00	USB	(AB)
E11	11450	14-2	0640	Wed	948/00	USB	(AB)
E11	11450	19-2	0640	Mon	946/00	USB	(AB)
E11	11450	21-2	0640	Wed	941/00	USB	(AB)
E11	11493	1-2	1645	Thu	332/00	USB	(AB/MPJ)
E11	11493	6-2	1645	Tue	331/00	USB	(AB-AUT)
E11	11493	8-2	1645	Thu	337/00	USB	(AB)
E11	11493	13-2	1645	Tue	330/00	USB	(AB-AUT/MPJ)
E11	11493	15-2	1645	Thu	333/00	USB	(MPJ)
E11	11493	27-2	1645	Tue	335/00	USB	(MPJ)
E11	12067	6-2	1925	Tue	558/00	USB	(AB)
E11	12202	13-2	0820	Tue	135/00	USB	(AB)
E11	12202	20-2	0820	Tue	136/00	USB	(AB)
E11	12202	21-2	0820	Wed	132/00	USB	(AB)

E11	12202	27-2	0820	Tue	134/00		USB	(AB)
E11	12202	28-2	0820	Wed	136/00		USB	(AB)
E11	14666	6-2	1345	Tue	910/00		USB	(AB)
E11	14666	10-2	1345	Sat	915/00		USB	(AB/MPJ)
E11	14666	13-2	1345	Tue	911/00		USB	(AB/MPJ)
E11	14666	17-2	1345	Sat	919/00		USB	(MPJ)
E11	14666	27-2	1345	Tue	919/00		USB	(AB/MPJ)
E11	16335	9-2	1650	Fri	920/00		USB	(AB-AUT)
E11	16335	16-2	1650	Fri	926/00		USB	(AB-AUT/MPJ)
E11	16335	23-2	1650	Fri	925/00		USB	(AB-AUT)
E11	16335	25-2	1650	Sun	929/00		USB	(AB/MPJ)
E11	17378	7-2	0745	Wed	348/00		USB	(AB-AUT)
E11	17378	9-2	0745	Fri	344/00		USB	(AB)
E11	17378	14-2	0745	Wed	340/00		USB	(AB-AUT)
E11	17378	16-2	0745	Fri	348/00		USB	(AB)
E11	17378	28-2	0745	Wed	344/00		USB	(AB-POL)
E11	20167	2-2	1225	Fri	528/00		USB	(MPJ)
E11	20167	9-2	1225	Fri	524/00		USB	(MPJ-AUT)
E11	20167	23-2	1225	Fri	524/00		USB	(AB-AUT)
E11	20267	19-2	1225	Mon	527/00		USB	(AB-AUT)
E11	20267	26-2	1225	Mon	520/00		USB	(AB-AUT/MPJ-AUT)
E11a	4505	13-2	1605	Tue	230/36	Attention 30098 60927 47473 ... 87697 53570 48584	USB	(AB/MPJ)
E11a	4505	18-2	1605	Sun	230/36	Attention 30098 60927 47473 ... 87697 53570 48584	USB	(AB/MPJ)
E11a	4505	24-2	0710	Sat	496/32	Attention 43146 63124 71315 ... 99246 88774 10082	USB	(AB)
E11a	4505	25-2	0710	Sun	496/32	Attention 43146 63124 71315 ... 99246 88774 10082	USB	(AB)
E11a	5409	15-2	1530	Thu	262/32	Attention 53997 13749 21676 ... 47966 43664 62966	USB	(AB/MPJ)
E11a	5779	15-2	1730	Thu	418/39	Attention 25483 75773 34515 ... 88391 37377 86644	USB	(AB/MPJ)
E11a	6849	19-2	1900	Mon	644/38	Attention 83690 66710 33010 ... 57490 77126 80788	USB	(AB/MPJ)
E11a	6849	22-2	1900	Thu	644/38	Attention 83690 66710 33010 ... 57490 77126 80788	USB	(MPJ)
E11a	7317	20-2	1205	Tue	466/34	Attention 12139 63103 90536 ... 02797 12466 16461	USB	(AB)
E11a	7317	21-2	1205	Wed	466/34	Attention 12139 63103 90536 ... 02797 12466 16461	USB	(AB/MPJ)
E11a	7377	3-2	0805	Sat	311/33	Attention 22881 60827 25794 ... 44419 13830 94250	USB	(AB)
E11a	7377	4-2	0805	Sun	311/33	Attention 22881 60827 25794 ... 44419 13830 94250	USB	(AB)
E11a	7377	10-2	0805	Sat	313/00		USB	(AB)
E11a	7840	13-2	0645	Tue	519/40	Attention 48166 18157 21500 ... 62423 75973 18223	USB	(AB)
E11a	7840	15-2	0645	Thu	519/40	Attention 48166 18157 21500 ... 62423 75973 18223	USB	(AB)
E11a	7984	12-2	0820	Mon	436/38	Attention 15272 36479 14320 ... 88856 76036 56385	USB	(AB)
E11a	7984	15-2	0820	Thu	436/38	Attention 15272 36479 14320 ... 88856 76036 56385	USB	(AB)
E11a	8180	14-2	0930	Wed	270/40	Attention 04985 39481 34276 ... 64975 35003 52697	USB	(AB)
E11a	8180	15-2	0930	Thu	270/40	Attention 04985 39481 34276 ... 64975 35003 52697	USB	(AB)

E11a	8545	21-2	1730	Wed	402/40 Attention 77215 64101 62187 ... 25150 93499 10986 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8545	24-2	1730	Sat	402/40 Attention 77215 64101 62187 ... 25150 93499 10986 Attention, rpt msg, out	USB	(MPJ)
E11a	8680	15-2	1300	Thu	589/31 Attention 41164 54383 61346 ... 36060 76220 05713 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8680	17-2	1300	Sat	589/31 Attention 41164 54383 61346 ... 36060 76220 05713 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8800	6-2	1000	Tue	308/36 Attention 94895 64277 60300 ... 98153 28795 82456 Attention, rpt msg, out	USB	(AB)
E11a	8800	9-2	1000	Fri	308/36 Attention 94895 64277 60300 ... 98153 28795 82456 Attention, rpt msg, out	USB	(AB)
E11a	9130	13-2	0715	Tue	639/37 Attention 76950 75062 45609 ... 09462 91033 49213 Attention, rpt msg, out	USB	(AB)
E11a	9130	16-2	0715	Fri	639/37 Attention 76950 75062 45609 ... 09462 91033 49213 Attention, rpt msg, out	USB	(AB)
E11a	9200	5-2	0600	Mon	185/35 Attention 28495 71153 97795 ... 59736 65052 84995 Attention, rpt msg, out	USB	(AB)
E11a	9200	9-2	0600	Fri	185/35 Attention 28495 71153 97795 ... 59736 65052 84995 Attention, rpt msg, out	USB	(AB)
E11a	9443	21-2	1705	Wed	394/40 Attention 48334 06925 26426 ... 04536 13573 64155 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9443	24-2	1705	Sat	394/40 Attention 48334 06925 26426 ... 04536 13573 64155 Attention, rpt msg, out	USB	(MPJ)
E11a	9446	26-2	0900	Mon	537/40 Attention 07605 07345 75883 ... 39016 07676 95471 Attention, rpt msg, out	USB	(AB)
E11a	9446	28-2	0900	Wed	537/40 Attention 07605 07345 75883 ... 39016 07676 95471 Attention, rpt msg, out	USB	(AB)
E11a	10213	12-2	0745	Mon	262/32 Attention 53997 13749 21676 ... 47966 43664 62966 Attention, rpt msg, out	USB	(AB)
E11a	10448	7-2	1625	Wed	970/40 Attention 67921 64662 32904 ... 55374 54096 40020	USB	(MPJ)
E11a	10448	11-2	1625	Sun	970/40 Attention 67921 64662 32904 ... 55374 54096 40020 Attention, rpt msg, out	USB	(AB)
E11a	11104	6-2	0850	Tue	Message i.p.	USB	(AB)
E11a	11104	8-2	0845	Thu	159/22 Attention 96918 37091 56272 ... 30892 31920 95439 Attention, rpt msg, out	USB	(AB)
E11a	11450	28-2	0640	Wed	948/35 Attention 21711 44429 20879 ... 52921 90681 22044 Attention, rpt msg, out	USB	(AB)
E11a	11493	20-2	1645	Tue	330/40 Attention 48279 61034 01537 ... 70715 11804 42688 Attention, rpt msg, out	USB	(AB-AUT/MPJ)
E11a	11493	22-2	1645	Thu	330/40 Attention 48279 61034 01537 ... 70715 11804 42688 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	12202	6-2	0820	Tue	134/37 Attention 72129 54745 23352 ... 82793 19002 84333 Attention, rpt msg, out	USB	(AB)
E11a	14666	20-2	1345	Tue	910/39 Attention 96379 15087 30201 ... 54606 40934 79638 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	14666	24-2	1345	Sat	910/39 Attention 96379 15087 30201 ... 54606 40934 79638 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	16335	2-2	1650	Fri	924/34 Attention 32814 16002 96097 ... 85558 97793 14522	USB	(AB/MPJ)
E11a	16335	4-2	1650	Sun	924/34 ??? unreadable	USB	(AB/MPJ)
E11a	17378	21-2	0745	Wed	343/38 Attention 88673 31600 44089 ... 01892 50747 99122 Attention, rpt msg, out	USB	(AB-POL)
E11a	17378	23-2	0745	Fri	343/38 Attention 88673 31600 44089 ... 01892 50747 99122 Attention, rpt msg, out	USB	(AB-AUT)
E11a	20167	16-2	1225	Fri	522/37 Attention 24669 07204 57932 ... 83620 31504 75641 Attention, rpt msg, out	USB	(AB-AUT/MPJ-AUT)
E11a	20267	12-2	1225	Mon	522/37 Attention 24669 07204 57972 ... 83620 31504 75641	USB	(AB-AUT/MPJ)
E17z	9820	1-2	0810	Thu	674 982 5 30702 88959 89831 42097 88475 982 5 00000	USB	(AB)
E17z	9820	8-2	0810	Thu	674 982 5 30702 88959 89831 42097 88475 982 5 00000	USB	(AB)
E17z	9820	15-2	0810	Thu	674 210 5 35861 33432 89319 32494 85642 210 5 00000	USB	(AB)
E17z	9820	22-2	0810	Thu	674 210 5 35861 33432 89319 32494 85642 210 5 00000	USB	(AB)
E17z	11170	1-2	0800	Thu	674 982 5 30702 88959 89831 42097 88475 982 5 00000	USB	(AB)
E17z	11170	8-2	0800	Thu	674 982 5 30702 88959 89831 42097 88475 982 5 00000	USB	(AB)
E17z	11170	15-2	0800	Thu	674 210 5 35861 33432 89319 32494 85642 210 5 00000	USB	(AB)
E17z	11170	22-2	0800	Thu	674 210 5 35861 33432 89319 32494 85642 210 5 00000	USB	(AB)
E25	6140	7-2	0736	Wed	Live transmission. Arabic music, voices, distorted audio, failing transmitter.	AM	(PW2)

E25	6140	7-2	0753	Wed	Live transmission with errors. 250 Message 3744 1180 7420 8502 8215 8503 1028 7420	AM	(PW2)
E25	6140	7-2	0757	Wed	Live transmission. 250 Message 3744 1180 7420 8502 8215 8503 1028 7420	AM	(PW2/dmhz-ISR)
E25	6140	7-2	1332	Wed	Windows 7 login sound. Enta Omri ends abruptly	AM	(PW2)
EGY	12225	24-2	0918	Sat	99910: MFA Cairo wkg XBVF: Egyptian embassy Madrid. "Good morning" from Cairo, "Peace, mercy and blessings of God be upon you" from Madrid, then Codan data	SITOR-A 100/170	(Danix)
EGY	13991. 7	17-2	1401	Sat	Egyptian diplo. Short tfc in arabic language	SITOR-A 100/170	(Phi)
EGY	14620	5-2	1129	Mon	MFA Cairo	Codan 16x75Bd QPSK	(AAI)
EGY	16066	24-2	1000	Sat	99903: MFA Cairo wkg XBVM Egyptian embassy Berlin. "He said unto me, See me, thou art the third" from Cairo, then Codan data	SITOR-A 100/170	(Danix)
EGY	16222	24-2	1416	Sat	MFA Cairo wkg Egyptian embassy Washington. I,p, 5FG hex traffic to Washington	SITOR-A 100/170	(Danix)
EGY	16334. 7	6-2	1427	Tue	MFA Cairo i.p.	SITOR-A 100/170	(AB)
F01	4527	7-2	2000	Wed	Russian diplo/intel. Null message:)5761 00000+++++++162	FSK 200/500	(AB/HFD)
F01	6844	7-2	1950	Wed	Russian diplo/intel. Null message:)5761 00000+++++++162	FSK 200/500	(AB/MPJ/HFD)
F01	8155	7-2	1940	Wed	Russian diplo/intel. Null message:)5761 00000+++++++162	FSK 200/500	(AB-RUS/MPJ/HFD)
F01	18401	16-2	2240	Fri	Russian diplo/intel. Header: 11177 00116 92178 15007 01309	FSK 200/500	(Danix)
F01	18401	16-2	2340	Fri	Russian diplo/intel. Header: 11177 00116 92178 15007 01309	FSK 200/500	(Danix)
F01	20741	16-2	2230	Fri	Russian diplo/intel. Header: 11177 00116 92178 15007 01309	FSK 200/500	(Danix)
F01	20741	16-2	2330	Fri	Russian diplo/intel. Header: 11177 00116 92178 15007 01309	FSK 200/500	(Danix)
F03a	5371	1-2	0915	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	1-2	0920	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	8-2	0915	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	8-2	0920	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	14-2	0915	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	5371	14-2	0920	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	5371	15-2	0915	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	15-2	0920	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	21-2	0915	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	5371	21-2	0920	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	5371	22-2	0915	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	22-2	0920	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	5371	28-2	0915	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	5371	28-2	0920	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	6480	1-2	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	1-2	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	6-2	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	6-2	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	8-2	1800	Thu	Polish Intel.	FSK 100/200	(AB)

F03a	6480	8-2	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	13-2	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	13-2	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	15-2	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	15-2	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	20-2	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	20-2	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	22-2	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	22-2	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6480	27-2	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6480	27-2	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	6906	1-2	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	1-2	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	5-2	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6906	5-2	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6906	8-2	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	8-2	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	12-2	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6906	12-2	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6906	15-2	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	15-2	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6906	19-2	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6906	19-2	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	5-2	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	5-2	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	7-2	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	7-2	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	12-2	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	12-2	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	14-2	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	14-2	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	19-2	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	19-2	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	21-2	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	21-2	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	26-2	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	26-2	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	7837	28-2	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	7837	28-2	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	8680	2-2	0945	Fri	Polish Intel.	FSK 100/200	(AB)

F03a	8680	2-2	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	6-2	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	6-2	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	9-2	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	9-2	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	13-2	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	13-2	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	16-2	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	16-2	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	20-2	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	20-2	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8680	23-2	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8680	23-2	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	10200	1-2	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	1-2	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	6-2	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	6-2	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	8-2	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	8-2	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	13-2	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	13-2	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	15-2	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	15-2	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	20-2	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	20-2	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	22-2	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	22-2	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	10200	27-2	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	10200	27-2	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03b	9960	1-2	1000	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	9960	1-2	1005	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	12424	2-2	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	2-2	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	6-2	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	6-2	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	9-2	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	9-2	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	13-2	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	13-2	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	16-2	0843	Fri	Polish Intel.	FSK 200/400	(AB)

F03b	12424	16-2	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	20-2	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	20-2	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	23-2	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	23-2	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	27-2	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	27-2	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F06	4043	11-2	1820	Sun	Russian diplo/intel. Header: 11100 00000 85214 09070 01899	FSK 200/1000	(AB/Danix)
F06	5126	5-2	0520	Mon	Russian diplo/intel. 11166 70059 97531 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	5126	19-2	0520	Mon	Russian diplo/intel. Header: 11166 70059 35908 16019 01429	FSK 200/1000	(AB/Danix)
F06	5778	5-2	0510	Mon	Russian diplo/intel. 11166 70059 97531 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	5778	19-2	0510	Mon	Russian diplo/intel. Header: 11166 70059 35908 16019 01429	FSK 200/1000	(AB/Danix)
F06	5912	11-2	1810	Sun	Russian diplo/intel. Header: 11100 00000 85214 09070 01899	FSK 200/1000	(AB/Danix)
F06	5922	5-2	0850	Mon	Russian diplo/intel. Header: 11100 00000 68217 05034 03079	FSK 200/1000	(qsr711)
F06	7328	5-2	0500	Mon	Russian diplo/intel. 11166 70059 97531 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	7328	19-2	0500	Mon	Russian diplo/intel. Header: 11166 70059 35908 16019 01429	FSK 200/1000	(AB/Danix)
F06	7844	5-2	0840	Mon	Russian diplo/intel. Header: 11100 00000 68217 05034 03079	FSK 200/1000	(qsr711)
F06	8065	11-2	1800	Sun	Russian diplo/intel. Header: 11100 00000 85214 09070 01899	FSK 200/1000	(AB/Danix)
F06	8176	6-2	0040	Tue	11166 60070 15739 06074 00049 00000 00000 00000	FSK 200/1000	(RL)
F06	8176	6-2	1520	Tue	Russian diplo/intel. 11166 00052 81560 06088 00049 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	8176	13-2	1520	Tue	Russian diplo/intel. 11166 00052 12378 13003 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8176	20-2	1520	Tue	Russian diplo/intel. 11166 00052 41569 20097 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8176	27-2	1520	Tue	Russian diplo/intel. 11166 00052 41569 27039 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9089	5-2	0830	Mon	Russian diplo/intel. Header: 11100 00000 68217 05034 03079	FSK 200/1000	(qsr711)
F06	9219	6-2	1710	Tue	Russian diplo/intel. 11166 10053 17935 06067 00049 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	9219	13-2	1710	Tue	Russian diplo/intel. 11166 10053 26843 13067 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	9219	20-2	1710	Tue	Russian diplo/intel. 11166 10053 91735 20001 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9219	27-2	1710	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9323	4-2	1550	Sun	Russian diplo/intel. 11166 10053 91735 04001 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9323	11-2	1550	Sun	Russian diplo/intel. 11166 10053 12347 11001 00049 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9323	18-2	1550	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9323	25-2	1550	Sun	Russian diplo/intel. 11166 10053 48265 25063 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	9499	10-2	0920	Sat	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB)
F06	9499	11-2	0920	Sun	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB/Danix)
F06	9499	24-2	0920	Sat	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	9499	25-2	0920	Sun	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	9917	1-2	1350	Thu	Russian diplo/intel. 11166 80214 32674 01003 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9917	8-2	1350	Thu	Russian diplo/intel. 11166 80214 23587 08064 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9917	15-2	1350	Thu	Russian diplo/intel. 11166 80214 59874 15159 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9917	22-2	1350	Thu	Russian diplo/intel. 11166 80214 45678 22044 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	10275	6-2	1510	Tue	Russian diplo/intel. 11166 00052 81560 06088 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	10275	13-2	1510	Tue	Russian diplo/intel. 11166 00052 12378 13003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10275	20-2	1510	Tue	Russian diplo/intel. 11166 00052 41569 20097 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10275	27-2	1510	Tue	Russian diplo/intel. 11166 00052 41569 27039 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11165	6-2	1700	Tue	Russian diplo/intel. 11166 10053 17935 06067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	11165	13-2	1700	Tue	Russian diplo/intel. 11166 10053 26843 13067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	11165	20-2	1700	Tue	Russian diplo/intel. 11166 10053 91735 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11165	27-2	1700	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11548	4-2	1540	Sun	Russian diplo/intel. 11166 10053 91735 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11548	11-2	1540	Sun	Russian diplo/intel. 11166 10053 12347 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	11548	18-2	1540	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	11548	25-2	1540	Sun	Russian diplo/intel. 11166 10053 48265 25063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11649	10-2	0910	Sat	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB)
F06	11649	11-2	0910	Sun	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB/Danix)
F06	11649	24-2	0910	Sat	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	11649	25-2	0910	Sun	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	12116	6-2	1500	Tue	Russian diplo/intel. 11166 00052 81560 06088 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	12116	13-2	1500	Tue	Russian diplo/intel. 11166 00052 12378 13003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12116	20-2	1500	Tue	Russian diplo/intel. 11166 00052 41569 20097 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12116	27-2	1500	Tue	Russian diplo/intel. 11166 00052 41569 27039 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12196	1-2	1340	Thu	Russian diplo/intel. 11166 80214 32674 01003 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12196	8-2	1340	Thu	Russian diplo/intel. 11166 80214 23587 08064 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12196	15-2	1340	Thu	Russian diplo/intel. 11166 80214 59874 15159 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12196	22-2	1340	Thu	Russian diplo/intel. 11166 80214 45678 22044 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13374	6-2	1650	Tue	Russian diplo/intel. 11166 10053 17935 06067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	13374	13-2	1650	Tue	Russian diplo/intel. 11166 10053 26843 13067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13374	20-2	1650	Tue	Russian diplo/intel. 11166 10053 91735 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	13374	27-2	1650	Tue	Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13464	4-2	1530	Sun	Russian diplo/intel. 11166 10053 91735 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13464	11-2	1530	Sun	Russian diplo/intel. 11166 10053 12347 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13464	18-2	1530	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	13464	25-2	1530	Sun	Russian diplo/intel. 11166 10053 48265 25063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	3-2	1120	Sat	Russian diplo/intel. Header: 11166 50046 83721 02024 02389	FSK 200/1000	(AB)
F06	13496	4-2	1120	Sun	Russian diplo/intel. Header: 11166 50046 83721 02024 02389	FSK 200/1000	(AB)
F06	13496	10-2	1120	Sat	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/MPJ)
F06	13496	11-2	1120	Sun	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/Danix)
F06	13496	17-2	1120	Sat	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/MPJ/Danix)
F06	13496	18-2	1120	Sun	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/Danix/MPJ)
F06	13496	24-2	1120	Sat	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB/MPJ)
F06	13496	25-2	1120	Sun	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB/MPJ)

F06	13979	10-2	0900	Sat	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB)
F06	13979	11-2	0900	Sun	Russian diplo/intel. Header: 11166 70147 46735 09075 01749	FSK 200/1000	(AB/Danix)
F06	13979	24-2	0850	Sat	Russian diplo/intel. Test: 4646464646464646 46464646464646	FSK 200/1000	(AB)
F06	13979	24-2	0900	Sat	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	13979	25-2	0850	Sun	Russian diplo/intel. Test: 4646464646464646 46464646464646	FSK 200/1000	(AB)
F06	13979	25-2	0900	Sun	Russian diplo/intel. Header: 11166 70147 48657 22076 00829	FSK 200/1000	(AB)
F06	14893	1-2	1330	Thu	Russian diplo/intel. 11166 80214 32674 01003 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14893	8-2	1330	Thu	Russian diplo/intel. 11166 80214 23587 08064 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ/MCO)
F06	14893	15-2	1330	Thu	Russian diplo/intel. 11166 80214 59874 15159 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14893	22-2	1330	Thu	Russian diplo/intel. 11166 80214 45678 22044 00049 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14949	14-2	0820	Wed	Russian diplo/intel. 11166 70048 45312 14062 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	14949	21-2	0820	Wed	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	14949	22-2	0820	Thu	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	14949	28-2	0820	Wed	Russian diplo/intel. 11166 70048 15469 28053 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	15625	3-2	1110	Sat	Russian diplo/intel. Header: 11166 50046 83721 02024 02389	FSK 200/1000	(AB)
F06	15625	4-2	1110	Sun	Russian diplo/intel. Header: 11166 50046 83721 02024 02389	FSK 200/1000	(AB)
F06	15625	10-2	1110	Sat	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/MPJ)
F06	15625	11-2	1110	Sun	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/Danix)
F06	15625	17-2	1110	Sat	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/MPJ/Danix)
F06	15625	18-2	1110	Sun	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/Danix/MPJ)
F06	15625	24-2	1110	Sat	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB/MPJ)
F06	15625	25-2	1110	Sun	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB/MPJ)
F06	15644	14-2	1035	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	15644	28-2	1035	Wed	Russian diplo/intel. 11166 10031 15963 28001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	16071	1-2	0620	Thu	Russian diplo/intel. Header: 11166 40122 13467 27058 03789	FSK 200/1000	(AB-KOR)
F06	16071	7-2	0620	Wed	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	16071	8-2	0620	Thu	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	16071	14-2	0620	Wed	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061 03009	FSK 200/1000	(AB-KOR)
F06	16071	15-2	0620	Thu	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061 03009	FSK 200/1000	(AB-NZL)
F06	16071	28-2	0620	Wed	Russian diplo/intel. Header: 11166 40122 56287 24062 03149	FSK 200/1000	(AB-NZL)
F06	16153	10-2	1020	Sat	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB)
F06	16153	11-2	1020	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB/Danix)
F06	16153	24-2	1020	Sat	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB)
F06	16153	25-2	1020	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB)
F06	16165	14-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB)
F06	16165	15-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB)
F06	16165	28-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB)
F06	17414	14-2	0810	Wed	Russian diplo/intel. 11166 70048 45312 14062 00049 00000 00000 00000	FSK 200/1000	(AB)

F06	17414	21-2	0810	Wed	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	17414	22-2	0810	Thu	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	17414	28-2	0810	Wed	Russian diplo/intel. 11166 70048 15469 28053 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	17434	4-2	1100	Sun	Russian diplo/intel. Header: 11166 50046 83721 02024 02389	FSK 200/1000	(AB)
F06	17434	10-2	1100	Sat	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/MPJ)
F06	17434	11-2	1100	Sun	Russian diplo/intel. Header: 11166 50046 17582 09025 00809	FSK 200/1000	(AB/EW/Danix)
F06	17434	17-2	1050	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB/MPJ/Danix)
F06	17434	17-2	1100	Sat	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/EW/MPJ/Danix)
F06	17434	18-2	1100	Sun	Russian diplo/intel. Header: 11166 50046 78342 16026 02649	FSK 200/1000	(AB/Danix/MPJ)
F06	17434	24-2	1050	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB-RUS)
F06	17434	24-2	1100	Sat	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB-RUS/MPJ)
F06	17434	25-2	1100	Sun	Russian diplo/intel. Header: 11166 50046 83571 22027 01209	FSK 200/1000	(AB-RUS/MPJ)
F06	17539	14-2	1025	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	17539	28-2	1025	Wed	Russian diplo/intel. 11166 10031 15963 28001 00049 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	18253	3-2	1520	Sat	Russian diplo/intel. Msg on link 40133	FSK 200/1000	(MPJ-RUS)
F06	18253	10-2	1520	Sat	Russian diplo/intel. 11166 40133 17935 10037 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	18253	17-2	1520	Sat	Russian diplo/intel. Header: 11166 40133 86125 13037 02149	FSK 200/1000	(MPJ/Danix)
F06	18253	24-2	1520	Sat	Russian diplo/intel. 11166 40133 56248 24001 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	18291	1-2	0610	Thu	Russian diplo/intel. Header: 11166 40122 13467 27058 03789	FSK 200/1000	(AB-NZL)
F06	18291	7-2	0610	Wed	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	18291	8-2	0610	Thu	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	18291	14-2	0610	Wed	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061 03009	FSK 200/1000	(AB-KOR)
F06	18291	15-2	0610	Thu	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061 03009	FSK 200/1000	(AB-NZL)
F06	18291	28-2	0610	Wed	Russian diplo/intel. Header: 11166 40122 56287 24062 03149	FSK 200/1000	(AB-NZL)
F06	18429	10-2	1010	Sat	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB)
F06	18429	11-2	1010	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB/Danix)
F06	18429	24-2	1010	Sat	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB-RUS)
F06	18429	25-2	1010	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB-RUS)
F06	18730	14-2	0910	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)
F06	18730	15-2	0910	Thu	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)
F06	18730	28-2	0910	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)
F06	18923	14-2	0800	Wed	Russian diplo/intel. 11166 70048 45312 14062 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	18923	21-2	0800	Wed	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	18923	22-2	0800	Thu	Russian diplo/intel. Header: 11166 70048 35741 20015 01559	FSK 200/1000	(AB)
F06	18923	28-2	0800	Wed	Russian diplo/intel. 11166 70048 15469 28053 00049 00000 00000 00000	FSK 200/1000	(AB-AUT)
F06	20072	7-2	0600	Wed	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	20072	8-2	0600	Thu	Russian diplo/intel. 11166 40122 85236 03059 03549	FSK 200/1000	(AB-NZL)
F06	20072	14-2	0600	Wed	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061	FSK 200/1000	(AB-NZL)

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F06	20072	15-2	0600	Thu	Russian diplo/intel. Headers: 11166 40122 80765 10060 03029 and 11166 40122 70654 10061 03009	FSK 200/1000	(AB-NZL)	
F06	20072	28-2	0600	Wed	Russian diplo/intel. Header: 11166 40122 56287 24062 03149	FSK 200/1000	(AB-NZL)	
F06	20216	3-2	1510	Sat	Russian diplo/intel. Msg on link 40133	FSK 200/1000	(MPJ-RUS)	
F06	20216	10-2	1510	Sat	Russian diplo/intel. 11166 40133 17935 10037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)	
F06	20216	17-2	1510	Sat	Russian diplo/intel. Header: 11166 40133 86125 13037 02149	FSK 200/1000	(Danix)	
F06	20216	24-2	1510	Sat	Russian diplo/intel. 11166 40133 56248 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)	
F06	20639	14-2	1015	Wed	Russian diplo/intel. 11166 10031 17935 14026 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)	
F06	20639	28-2	1015	Wed	Russian diplo/intel. 11166 10031 15963 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)	
F06	20894	11-2	1000	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB/Danix)	
F06	20894	24-2	0950	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB-RUS)	
F06	20894	24-2	1000	Sat	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB-RUS)	
F06	20894	25-2	1000	Sun	Russian diplo/intel. Header: 11166 70004 91328 09004 01919	FSK 200/1000	(AB-RUS)	
F06	20916	14-2	0900	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)	
F06	20916	15-2	0900	Thu	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)	
F06	20916	28-2	0900	Wed	Russian diplo/intel. Header: 11166 00052 65941 13025 02689	FSK 200/1000	(AB-RUS)	
F06	22878	10-2	1500	Sat	Russian diplo/intel. 11166 40133 17935 10037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)	
F06	22878	17-2	1500	Sat	Russian diplo/intel. Header: 11166 40133 86125 13037 02149	FSK 200/1000	(MPJ/Danix)	
F06	22878	24-2	1500	Sat	Russian diplo/intel. 11166 40133 56248 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)	
F11	6807	6-2	1150	Tue	0325 00000	FSK 100/620	(AB)	
F11	6807	6-2	1155	Tue	0325 00000	FSK 100/620	(AB)	
F11	6807	7-2	1150	Wed	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	7-2	1155	Wed	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	13-2	1150	Tue	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	13-2	1155	Tue	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	14-2	1150	Wed	0325 0325 0325 0325 0325 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000	FSK 100/620	(AB/MPJ)	
F11	6807	14-2	1155	Wed	0325 88888 88888 54154 27691 51563 ... 23989 63094 27146 88888 88888 00037 00037 (should be a null msg)	FSK 100/620	(AB/MPJ)	
F11	6807	20-2	1150	Tue	0325 88888 88888 12139 63103 90536 ... 02797 12466 16461 88888 88888 00038 00038	FSK 100/620	(AB)	
F11	6807	20-2	1155	Tue	0325 88888 88888 12139 63103 90536 ... 02797 12466 16461 88888 88888 00038 00038	FSK 100/620	(AB)	
F11	6807	21-2	1150	Wed	0325 88888 88888 12139 63103 90536 ... 02797 12466 16461 88888 88888 00038 00038	FSK 100/620	(AB/MPJ)	
F11	6807	21-2	1155	Wed	0325 88888 88888 12139 63103 90536 ... 02797 12466 16461 88888 88888 00038 00038	FSK 100/620	(AB/MPJ)	
F11	6807	27-2	1150	Tue	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	27-2	1155	Tue	0325 00000	FSK 100/620	(AB/MPJ)	
F11	6807	28-2	1150	Wed	No transmission. Normal repeat at 1155z	FSK 100/620	(AB/MPJ)	
F11	6807	28-2	1155	Wed	0325 00000	FSK 100/620	(AB/MPJ)	
F11	9370	5-2	0845	Mon	0353 00000	FSK 100/620	(AB)	
F11	9370	5-2	0850	Mon	0353 00000	FSK 100/620	(AB)	

F11	9370	7-2	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	7-2	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	12-2	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	9370	12-2	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	9370	14-2	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	14-2	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	19-2	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	9370	19-2	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	9370	21-2	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	21-2	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	9370	26-2	0845	Mon	0353 88888 88888 07605 07345 75883 ... 39016 07676 95471 88888 88888 00044 00044	FSK 100/620	(AB)
F11	9370	26-2	0850	Mon	0353 88888 88888 07605 07345 75883 ... 39016 07676 95471 88888 88888 00044 00044	FSK 100/620	(AB)
F11	9370	28-2	0845	Wed	0353 88888 88888 07605 07345 75883 ... 39016 07676 95471 88888 88888 00044 00044	FSK 100/620	(AB)
F11	9370	28-2	0850	Wed	0353 88888 88888 07605 07345 75883 ... 39016 07676 95471 88888 88888 00044 00044	FSK 100/620	(AB)
G06	3750	5-2	1700	Mon	938 938 938 00000	USB	(MPJ/HFD)
G06	3765	12-2	1700	Mon	938 938 938 00000	USB	(AB-RUS)
G06	4042	7-2	1258	Wed	111 111 111 00000. Windows shut down sound at 1311 UTC	USB	(AB-POL)
G06	4042	14-2	1257	Wed	Early start. 938 938 938 00000. Windows shut down sound	USB	(AB-POL/HFD)
G06	4410	8-2	1258	Thu	329 329 329 00000	USB	(AB-POL/MPJ-HOL)
G06	4460	22-2	1258	Thu	329 329 329 00000	USB	(MPJ)
G06	4490	5-2	1707	Mon	111 111 111 00000	USB	(AB)
G06	4490	5-2	1717	Mon	111 111 111 00000	USB	(AB)
G06	4490	5-2	1720	Mon	111 111 111 00000	USB	(AB)
G06	4490	5-2	1758	Mon	938 938 938 00000	USB	(AB/MPJ/HFD)
G06	4490	12-2	1758	Mon	938 938 938 00000	USB	(AB/MPJ/GFD)
G06	4519	22-2	1829	Thu	271 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000 271 Windows shutdown sound	USB	(AB/MPJ)
G06	4530	8-2	1828	Thu	271 847 58 67391 24518 97497 ... 21645 72848 69529 847 58 00000	USB	(AB)
G06	4792	9-2	1930	Fri	436 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000	USB	(AB/MPJ)
G06	4792	23-2	1930	Fri	436 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000 43 Windows shutdown sound	USB	(AB/MPJ)
G06	4912	7-2	1200	Wed	938 938 938 00000	USB	(AB-POL)
G06	4912	14-2	1200	Wed	938 938 938 00000	USB	(AB-POL)
G06	5320	5-2	0758	Mon	329 329 329 00000 Early start	USB	(AB)
G06	5320	19-2	0758	Mon	329 329 329 00000	USB	(AB)
HM01	9065	5-2	0757	Mon	54747 13005 55761 85744 38361 82073	AM/RDFT	(AB)
HM01	9065	9-2	0757	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(AB)
HM01	9065	23-2	0757	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio.	AM/RDFT	(AB)
HM01	9065	25-2	0757	Sun	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(AB)
HM01	9065	28-2	0655	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio and echo	AM/RDFT	(AB)

HM01	9155	5-2	0956	Mon	54747 13005 55761 85744 38361 82073	AM/RDFT	(AB)
HM01	9155	9-2	0957	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(AB)
HM01	9155	9-2	0957	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(RL)
HM01	9155	14-2	0957	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	9155	21-2	0956	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted sound	AM/RDFT	(AB)
HM01	9155	23-2	0958	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio.	AM/RDFT	(AB)
HM01	9200	9-2	0855	Fri	15212 86101 55764 40731 38365 82077 Early start	AM/RDFT	(AB)
HM01	9240	5-2	0856	Mon	54747 13005 55761 85744 38361 82073	AM/RDFT	(AB)
HM01	9240	9-2	0857	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(RL)
HM01	9240	21-2	0856	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted sound	AM/RDFT	(AB)
HM01	9240	23-2	0857	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio.	AM/RDFT	(AB)
HM01	9240	23-2	0956	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio. Should be on 9155 kHz; switched at 0958 UTC	AM/RDFT	(AB)
HM01	9330	9-2	0657	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(AB)
HM01	9330	23-2	0658	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb).	AM/RDFT	(AB)
HM01	9330	23-2	0756	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio. Should be on 9065 kHz; switched at 0757 UTC	AM/RDFT	(AB)
HM01	9330	25-2	0659	Sun	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(AB)
HM01	9330	28-2	0657	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio, Brief morse and voices at 0752z, then off.	AM/RDFT	(AB)
HM01	10345	9-2	0557	Fri	15212 86101 55764 40731 38365 82077	AM/RDFT	(AB)
HM01	10715	2-2	2157	Fri	54745 13003 65827 85742 07179 82071	AM/RDFT	(RL)
HM01	10715	4-2	2157	Sun	54747 13005 55761 85744 38361 82073	AM/RDFT	(RL)
HM01	10715	5-2	2157	Mon	54748 13006 55761 85745 38362 82074	AM/RDFT	(RL)
HM01	10715	7-2	2157	Wed	15211 13008 55763 85747 38364 82076	AM/RDFT	(AB)
HM01	10715	21-2	2157	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb).	AM/RDFT	(RL)
HM01	10860	23-2	0507	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(BW3)
HM01	11435	1-2	1626	Thu	54744 13002 65826 85741 07178 82071	AM/RDFT	(RR2)
HM01	11435	2-2	1556	Fri	54745 13003 65827 85742 07179 82071	AM/RDFT	(RR2)
HM01	11435	3-2	1558	Sat	54746 13004 65828 85743 38361 82072	AM/RDFT	(RR2)
HM01	11435	4-2	1601	Sun	abruptly & in progress 54747 13005 55761 85744 38361 82073	AM/RDFT	(RR2)
HM01	11435	5-2	1557	Mon	Radio Habana Cuba. At 1558 UTC HM01 in progress 54748 13006 55761 85745 38362 82074	AM/RDFT	(RR2)
HM01	11435	8-2	1608	Thu	i.p. 15212 86101 55764 40731 38365 82077	AM/RDFT	(RR2)
HM01	11435	9-2	1556	Fri	15213 86101 55765 40731 38366 28651	AM/RDFT	(RR2)
HM01	11435	10-2	1555	Sat	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	11-2	1604	Sun	i.p. 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	12-2	1557	Mon	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	14-2	1608	Wed	Abruptly late and i.p. 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	15-2	1555	Thu	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	16-2	1631	Fri	15213 86101 55765 40731 38366 28561 (repeat of 10 Feb)	AM/RDFT	(RR2)

HM01	11435	17-2	1600	Sat	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	19-2	1606	Mon	Abrupt & in progress 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	20-2	1601	Tue	Abrupt & in progress 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	11435	24-2	1603	Sat	Radio Habana Cuba then carrier til 1606z when Uno repeated many times followed by Windows error sounds	AM/RDFT	(RR2)
HM01	11435	25-2	1603	Sun	Abrupt & in progress 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11435	26-2	1601	Mon	Radio Habana Cuba, then abruptly & in progress: 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11435	27-2	1556	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11435	28-2	1600	Wed	Radio Habana Cuba sign on music into Spanish talking about Havana then 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio and echo. Starts and stops till 1603z	AM/RDFT	(RR2)
HM01	11530	22-2	1655	Thu	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11530	23-2	1655	Fri	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11530	24-2	1708	Sat	Windows error sounds a few times, then 15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio	AM/RDFT	(RR2)
HM01	11635	2-2	2057	Fri	54745 13003 65827 85742 07179 82071	AM/RDFT	(RL)
HM01	11635	5-2	2057	Mon	54748 13006 55761 85745 38362 82074	AM/RDFT	(RL)
HM01	11635	7-2	1814	Wed	i.p. 15211 13008 55763 85747 38364 82076	AM/RDFT	(RR2)
HM01	11635	9-2	1756	Fri	15213 86101 55765 40731 38366 28651	AM/RDFT	(AB)
HM01	11635	13-2	1828	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RR2)
HM01	12180	3-2	0957	Sat	54745 13003 65827 85742 07179 82071	AM/RDFT	(RL)
HM01	16180	1-2	2129	Thu	i.p. 54744 13002 65826 85741 07178 82071	AM/RDFT	(RL)
HM01	16180	3-2	2057	Sat	54746 13004 65828 85743 38361 82072	AM/RDFT	(RL)
HM01	16180	6-2	2057	Tue	15211 13007 55762 85746 38363 82075	AM/RDFT	(RL)
HM01	16180	6-2	2101	Tue	15211 13007 55762 85746 38363 82075	AM/RDFT	(RR2)
HM01	16180	8-2	2057	Thu	15212 86101 55764 40731 38365 82077	AM/RDFT	(RL)
HM01	16180	10-2	2057	Sat	15213 86101 55765 40731 38366 28651	AM/RDFT	(Dan/RL)
HM01	16180	10-2	2200	Sat	15213 86101 55765 40731 38366 28651 Wrong frequency	AM/RDFT	(Dan)
HM01	16180	13-2	2057	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	16180	15-2	2057	Thu	Until 2110z only carrier, then: 15213 86101 55765 40731 38366 28561 (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	16180	20-2	2057	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	16180	27-2	2057	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio.	AM/RDFT	(RL)
HM01	17480	1-2	2157	Thu	54744 13002 65826 85741 07178 82071	AM/RDFT	(RL)
HM01	17480	3-2	2157	Sat	54746 13004 65828 85743 38361 82072	AM/RDFT	(RL)
HM01	17480	6-2	2157	Tue	Carrier till 2212 UTC, then 15211 13007 55762 85746 38363 82075	AM/RDFT	(RL)
HM01	17480	8-2	2157	Thu	15212 86101 55764 40731 38365 82077	AM/RDFT	(RL)
HM01	17480	13-2	2157	Tue	15213 86101 55765 40731 38366 28651. Several interruptions, returning to normal at 2213z (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	17480	15-2	2157	Thu	Until 2207z only carrier, then: 15213 86101 55765 40731 38366 28561 (repeat of 10 Feb)	AM/RDFT	(RL)

HM01	17480	20-2	2157	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb)	AM/RDFT	(RL)
HM01	17480	22-2	2157	Thu	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb).	AM/RDFT	(RL)
HM01	17480	27-2	2157	Tue	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted audio.	AM/RDFT	(RL)
HM01	11435	21-2	1555	Wed	15213 86101 55765 40731 38366 28651 (repeat of 10 Feb). Distorted sound	M/RDFT	(RR2)
A							
M01	4490	1-2	2000	Thu	197 234=30==234=30== 71164 56404 47140 ... 83790 75609 65586 ==234=30==234=0=0=0	CW	(MPJ)
M01	4490	8-2	2000	Thu	197 403 403 30 30 = = 83099 17614 26180 ... 32393 94751 34439 = = 403 403 30 30 000	MCW	(AB/MPJ)
M01	4490	13-2	2000	Tue	197 05957 05957 227 = 30 227 = 30 81733 21727 62989 ... 52423 36019 14882 = = 227 = 30 = = 227 = 30 0 = 0 = 0	CW	(MPJ)
M01	4490	15-2	2000	Thu	197 291 291 30 30 = = 33539 (?) 58002 55165 ... 71529 84226 90852 = = 291 291 30 30 000	CW	(MPJ)
M01	4490	20-2	2000	Tue	197 405 = 30 405 = 30 05334 44342 18286 ... 71848 42177 60220 405 = 30 405 = 30 00 00 0	CW	(MPJ)
M01	4490	27-2	2000	Tue	i.p. ... 9171919717 17197 etc ... 422 422 30 30 = = 91418 EEE 91419 91418 96800 ... 4883 75083 75005789 = = 422 422 30 30 000	CW	(MPJ)
M01	5320	1-2	1800	Thu	197 246 30 = = 52140 03965 56152 ... __71_ 91135 19800 = = 246 30 0 0	CW	(MPJ)
M01	5320	8-2	1800	Thu	197 711 711 30 30 = = 21844 07565 59487 ... 05571 44205 80392 = = 711 711 30 30 000	CW	(MPJ)
M01	5320	13-2	1800	Tue	197 105 = 30 105 = 30 28626 52946 21695 ... 59101 46043 28395 = = 105 = 30 = = 105 = 30 000	MCW	(AB/MPJ)
M01	5320	15-2	1800	Thu	197 555 555 30 30 = = 98936 08650 54325 ... 97723 48836 29760 = = 555 555 30 30 000	CW	(MPJ)
M01	5320	20-2	1800	Tue	197 713 = 30 713 = 30 20573 10995 82792 ... 24437 22204 09973 713 = 30 713 = 30 00000	CW	(AB/MPJ)
M01	5320	22-2	1800	Thu	197 421/30 421/30 39452 52938 68464 ... 99696 29434 85499 421/30 000	CW	(AB)
M01	5320	27-2	1800	Tue	197 547 547 30 30 = = 96323 89242 12698 ... 41151 77492 19778 = = 547 547 30 30 000	CW	(AB/MPJ)
M01	5465	11-2	0700	Sun	197 357/30 357/30 25321 37941 47027 ... 73224 16255 96282 357/30 000	CW	(AB)
M01	5465	15-2	0700	Thu	Running the groups together. Many mistakes in the repeats and otherwise. 197 407 407 30 30 13912 32843 76660 ... 703 74887 (75887) = = 407 407 30 30 000	CW	(AB)
M01	5465	18-2	0700	Sun	197 468/30 468/30 87433 22330 19059 ... 39125 77883 85305 468/30 000	CW	(AB/HFD)
M01	5810	17-2	1500	Sat	197 462 462 30 30 = = 74632 82183 68508 ... 39143 11558 21384 = = 462 462 39 Es 30 30 000	CW	(MPJ)
M01	5810	24-2	1500	Sat	197 715 715 30 30 = = 96654 42275 42884 ... 75639 40542 29651 = = 715 715 30 30 000	CW	(AB)
M01	9566	7-2	0726	Wed	i.p. 46756 53479 ... 34792 83749 497 50 = 0 0 0	MCW	(ES-HOL)
M01	9566	8-2	0715	Thu	475 497 50 = 82376 48723 ... 76534 56786 87623 46756 5	MCW	(ES-HOL)
M01	9566	10-2	0715	Sat	475 497 50 = 82376 48712 ... 0 0 0	MCW	(ES-HOL)
M01	9566	14-2	0715	Wed	475 505 50 = 93474 65655 ... 37878 76867 0 0 0	MCW	(ES-S)
M01	9566	15-2	0715	Thu	475 505 50 = 93474 65655 ... 37878 7686 0 0 0	MCW	(ES-S)
M01	9566	22-2	0715	Thu	475 421 50 = 72893 64918 à... 65848 0 0 0	MCW	(ES-HOL)
M01	9566	28-2	0715	Wed	475 barely audible	MCW	(ES-HOL)
M01a	10233	13-2	0620	Tue	354 (x3) 78505 (x2) (Rx11) Stops during twelfth repeat.	CW	(ES-HOL)
M01a	3881	16-1	1011	Tue	695 (x3) 27579 (x2) (Rx3) Stops during forth repeat. 111 111 999 105 5555 105 30 = 74912 31473 03657 97910 ... //5929 kHz	CW	(ES-POL)
M01a	3881	16-1	1224	Tue	695 (x3) 27763 (x2) (Rx7) 695 (x3) 26680 (x2) (Rx2) 695 (x2) 111 111 999 108 20 = 13469 14303 03346 51443 66177 66280 23667 ... //5929 kHz	CW	(ES-POL)
M01a	3881	16-1	1412	Tue	695 (x3) 26809 (x2) (Rx2) 111 999 Unable to read message. //5929 kHz	CW	(ES-POL)
M01a	3881	17-1	1017	Wed	695 (x3) 26423 (x2) (Rx8) 111 999 126 20 = 982x0 55466 64169 13091 94839 13469 14303	CW	(ES-POL)

					02569 ...		
M01a	3881	17-1	1119	Wed	Single key of 168.	CW	(ES-POL)
M01a	3906	16-1	1119	Tue	Sample - 111 999	CW	(ES-POL)
M01a	3906	16-1	1519	Tue	...09403 = 112 20 0 0 0 111 - Unable to read onwards.	CW	(ES-POL)
M01a	4029	16-1	0946	Tue	20 10 12 11 333 00 0 40 02 60 960 160 0 20 182 1 1 0 20 1821	CW	(ES-POL)
M01a	4297	26-1	1409	Fri	65 27665 27665 2 111 0 0 0	CW	(ES-POL)
M01a	4417	13-2	1542	Tue	i.p. 78031 03211 02312 21591 21591 23874 83491 78321 92345 73458 5 01591 21591 92616 09030 70520 = 420 30 0 0 0	CW	(ES-POL)
M01a	4503	16-1	1339	Tue	i.p. 952 (Rx) 19494 (Rx) (Rx2) 952 (Rx) 19415 (Rx) (Rx5) 335	CW	(ES-POL)
M01a	4503	17-1	1135	Wed	952 (x4) 333 05 111 999 366 20 / 78082 80693 98487 19998 91503 80407 34117 18457 82335 78651 70353 ...	CW	(ES-POL)
M01a	4503	17-1	1141	Wed	Continuous tone lasting 28 minutes	CW	(ES-POL)
M01a	4503	17-1	1214	Wed	952 (x3) 10496 (x2) (Rx2) Stops during second repeat. 333 03 111 333 04 111 999 749 20 = 92163 58650 22655 68042 ...	CW	(ES-POL)
M01a	4522	13-2	1152	Tue	i.p. 424 (x3) 84129 (x2) (Rx3) Stops during fourth repeat. 040 02 424 (Rx1min) 333 05 333 06 333 07 111 999 372 20 / 62614 75952 10262 62270 ...	CW	(ES-POL)
M01a	4529	17-1	1035	Wed	79087 77505 1**2360 77939 / 349 20 0 0 0 333 111 333 349 1* 20 / 76223 81160 23184 54192 31986 42048 ...	CW	(ES-POL)
M01a	4553	13-2	1150	Tue	Poor Voltage regulation/Chirp. 812 (x3) 41878 (x2) (Rx3) Stops during fourth repeat. 040 02 692 (x5) 999 501 20 = 65239 59652 77852 28546 94521 ...	CW	(ES-POL)
M01a	4573	13-2	1512	Tue	i.p. 64 86085 49079 49720 71456 = 211 10 0 0 0 111 333 00 211 10 0 0 0	CW	(ES-POL)
M01a	4589	21-2	1357	Wed	333 99669 99669 111 0 0 0	CW	(ES-POL)
M01a	4598	17-1	1254	Wed	832 (Repeated) 30937 (Repeated)	CW	(ES-POL)
M01a	4598	17-1	1341	Wed	832 (x3) 30395 (x2) (Rx4) 111 111 333 30920 30920 (x12) 832 (x2) 32 333 39220 39220 832 (x2) 333 111 333 00 111 0 0 0	CW	(ES-POL)
M01a	4598	18-1	1029	Thu	i.p. 661 (x3) 93594 111 999 140 10 = 81197 56302 86822 55462 32957 48369 99611 95207 01301 10074 = 140 10 0 0 0	CW	(ES-POL)
M01a	4598	18-1	1247	Thu	436 (x3) 39098 (x2) (Rx2) 111 999 141 10 = 86789 35015 66169 79713 60648 04238 78852 94504 69734 19453 = 141 10 0 0 0	CW	(ES-POL)
M01a	4598	14-2	1236	Wed	i.p. 832 (x3) 39935 (x2) (Rx2) 832 (x3) 39635 (x2) (Rx6) Stops during seventh repeat. 111 333 00 030 1*** 020 1 ** 020 0103 ...	CW	(ES-POL)
M01a	4602	16-1	1120	Tue	i.p. 851 (x3) 93120 (x2) (Rx5) 851 (x3) 851 (x3) 92813 (x2) (Rx2) 0 4001 111 000 111 000	CW	(ES-POL)
M01a	4602	16-1	1427	Tue	475 (x3) 92* 851 (x3) 92 851 851(x2)040 01 851 (x3) 333 92593 9259392593 851	CW	(ES-POL)
M01a	4602	17-1	1148	Wed	15489 16118 41219 86185 19503 85646 25243 23045 27998 12795 82469 68914 15479 44562 45572 93657 81493 62778 42284 / 468 20 0 0 0	CW	(ES-POL)
M01a	4607	13-2	0958	Tue	i.p. 111 111 999 527 10 = 44646 74822 45631 52737 74317 43769 07261 43451 06487 56701 = 527 10 0 0 0	CW	(ES-POL)
M01a	4607	13-2	1047	Tue	i.p. 293 (x3) 80079 (x2) (Rx5) 111 111 999 529 10 = 28678 31779 98741 45196 31034 03284 43170 14273 18419 69734 = 529 10 0 0 0	CW	(ES-POL)
M01a	4607	13-2	1259	Tue	i.p. Radio Equipment/Chirp fixed. 293 (x3) 81877 (x2) (Rx2) 111 333 111 ... 47990 08555 23866	CW	(ES-POL)

					= 206 10 0 0 0		
M01a	4607	13-2	1350	Tue	i.p. 293 (x3) 81857 (x2) Stops during second repeat. 333 80957 80957 (x3) 333 89568 89568 (x2) 333 89568 89568 333 89568 895 111	CW	(ES-POL)
M01a	4607	13-2	1458	Tue	i.p. 293 (x3) 89598 (x2) Stops during second repeat. 111 333 0 0 111 999 210 10 = 24494 15491 32870 86724 89365 111 999 111 999	CW	(ES-POL)
M01a	4607	13-2	1557	Tue	i.p. 88588 293 (x3) 88588 (x2) (Rx6)	CW	(ES-POL)
M01a	4614	13-2	0941	Tue	i.p. 111 0 0 0	CW	(ES-POL)
M01a	4614	13-2	0949	Tue	513 (x3) 65383 (x2) (Rx4) 333 65782 65782 (x8) 333 67062 67062 (x7) 111 0 0 0	CW	(ES-POL)
M01a	4659	16-1	1253	Tue	740 (x3) 56956 (x2) (Rx4) 11 0 0 0	CW	(ES-POL)
M01a	4692	17-1	1136	Wed	623 74911 = 129 20 0 0 0	CW	(ES-POL)
M01a	4699	18-1	1029	Thu	= 138 10 0 0 0 1x 333 111 333 138 10 = 14508 01556 42042 57732 95273 71274 59634 19194 31 No more activity.	CW	(ES-POL)
M01a	4705	16-1	1039	Tue	381 (Rx) 36183 (Rx) (Rx2)	CW	(ES-POL)
M01a	4745	13-2	0941	Tue	i.p. 01556 83571 33025 71843 22878 71674 64158 98231 16933 50764 95963 53952 47530 60628 12021 63350 67184 = 311 30 0 0 0	CW	(ES-POL)
M01a	4745	13-2	1038	Tue	459 (x3) 91403 (x2) (Rx2) 111 111 999 312 30 = 01256 86822 62478 56430 10125 53885 35076 ...	CW	(ES-POL)
M01a	4745	13-2	1114	Tue	459 (x2) 91321 (x2) (Rx2) Stops during third repeat. 45 459 (x3) 91321 (x2)	CW	(ES-POL)
M01a	4745	13-2	1143	Tue	i.p. 111 999 11 313 30 = 40672 95748 25252 30145 97746 31700 12748 04752 95145 ...	CW	(ES-POL)
M01a	4745	13-2	1238	Tue	459 (x3) 91421 (x2) (Rx2) Stops during third repeat. 111 ... 40672 95748 25252 30145 97746 31700 12748 04752 95145	CW	(ES-POL)
M01a	4764	17-1	1014	Wed	...489 23296 32365 78956 39413 92495 13789 66213 75009 84841 95927 80175 26262 93101 45896 88426 84976 = 453 20 0 0 0	CW	(ES-POL)
M01a	4835	16-1	1242	Tue	32696 111 0 0 0	CW	(ES-POL)
M01a	4835	16-1	1351	Tue	969 (Rx) 60439 (Rx) (Rx2) 111 999 à 2 1 6 2 9 9 9	CW	(ES-POL)
M01a	4884	28-2	1113	Wed	84065 13247 70856 41534 62130 58479 = 606 10 111 0 0 0	CW	(ES-POL)
M01a	4926	17-1	1339	Wed	956 86477 956 86392 956 86477 956 86392 956 86632 111 999 494 20 = 23456 34879 95464 32134 25351 87683 ...	CW	(ES-POL)
M01a	4943	17-1	1021	Wed	Equipment testing, number of operators unknown, some sets with chirp some without. Operators test keying I.D's on and off for over an hour	CW	(ES-POL)
M01a	5018	17-1	1142	Wed	94135 74804 15189 46106 79841 08470 46131 08674 56298 = 957 10 111 999	CW	(ES-POL)
M01a	5347	17-1	1141	Wed	= 702 10 0 0 0 151 à 111	CW	(ES-POL)
M01a	5365	16-1	1031	Tue	677 470 569	CW	(ES-POL)
M01a	5432	17-1	1157	Wed	251/876/470 - Three I.D.'s keying over each other.	CW	(ES-POL)
M01a	5432	17-1	1245	Wed	569 Repeated.	CW	(ES-POL)
M01a	5439	20-2	1036	Tue	04582 54042 02299 41976 15086 62276 77724 49388 73711 03519 29197 50107 01414 28166 47420 41671 07020 61246 = 853 34 ...	CW	(ES-POL)
M01a	5523	12-2	1012	Mon	i.p. 735 33 111 ... 333 73201 73201 (x2) ... 333 72831 72831 (x14) 333 721** 72831	CW	(ES-POL)
M01a	5929	16-1	1011	Tue	695 (x3) 27579 (x2) (Rx3) Stops during forth repeat. 111 111 999 105 5555 105 30 = 74912 31473 03657 97910 ... //3881 kHz	CW	(ES-POL)

M01a	9421	30-1	0622	Tue	135 (x3) 60479 (x2) (Rx11) 135 (x3) 69788 (x2) (Rx8) Stops during ninth repeat. Ends with J.	CW	(ES-HOL)
M01a	9421	14-2	0620	Wed	135 (x3) 53173 (x2) (Rx15) 135 (x3) 52482 (x2) (Rx8)	CW	(ES-RUS)
M01a	9421	21-2	0620	Wed	135 (x3) 60479 (x2) (Rx2) Stops during third repeat. ... 111 111 0 0 0	CW	(ES-RUS)
M01a	9421	28-2	0620	Wed	135 (x3) 60479 (x2) (Rx14) Stops during fifteenth repeat. 135 (x3) 69788 (x2) (Rx9) 135 (x3) 68462 (x2) (Rx4) Stops during fifth repeat.	CW	(ES-RUS)
M01a	9447	16-1	0633	Tue	143 (x3) 81996 (x2) (Rx4) Stops during fifth repeat. 111 999	CW	(ES-HOL)
M01a	9447	23-1	0629	Tue	143 (x3) 88058 (x2) (Rx8) - Stops during ninth repeat.	CW	(ES-POL)
M01a	9447	9-2	0632	Fri	796 (x3) 80882 (x2) (Rx10) Stops during eleventh repeat. 000 000 000	CW	(ES-I)
M01a	9447	20-2	0629	Tue	143 (x3) 88058 (x2) (Rx10) Stops during eleventh repeat. 143 (x3) 81996 (x2) (Rx10) Stops during eleventh repeat.	CW	(ES-HOL)
M01a	10233	29-12	0619	Fri	354 (x3) 75955 (x2) (Rx12) Stops during thirteenth repeat.	CW	(ES-HOL)
M01a	10233	2-1	0619	Tue	354 (x3) 78505 (x2) (Rx12) Stops during thirteenth repeat.	CW	(ES-HOL)
M01a	10233	9-1	0621	Tue	354 (x3) 78505 (x2) (Rx8)	CW	(ES-HOL)
M01a	10233	16-1	0619	Tue	354 (x3) 78505 (x2) (Rx13) Stops during fourteenth repeat. 354 (x3) 79326 (x2) (Rx11) 354 (x2)	CW	(ES-HOL)
M01a	10233	23-1	0620	Tue	354 (x3) 78505 (x2) (Rx13) - Stops during fourteenth repeat.	CW	(ES-HOL)
M01a	10233	30-1	0620	Tue	354 (x3) 78505 (x2) (Rx3) Stops during forth repeat. 111 999 00034 00030 15745 64561 45951 28519 ...	CW	(ES-HOL)
M01a	10233	6-2	0620	Tue	354 (x3) 78505 (x2) (Rx7) Stops at the beginning of the eighth repeat.	CW	(ES-HOL)
M01a	10233	9-2	0633	Fri	458 (x3) 75955 (x2) (Rx3) Stops during forth repeat.	CW	(ES-I)
M01a	10233	20-2	0620	Tue	354 (x3) 78505 (x2) (Rx13) Stops during fourteenth repeat. 354 (x3) 79326 (x2) (Rx11) Stops during twelfth repeat.	CW	(ES-HOL)
M01a	10233	27-2	0620	Tue	354 (x3) 78505 (x2) (Repeated) 354 (x3) 79326 (x2) (Rx2) Stops during third repeat. 111 999 00043 00030 56890 19685 5x675 ...	CW	(ES-HOL)
M01a	10651	29-12	0710	Fri	297 (x3) 35916 (x2) (Rx7) Stops during eighth repeat.	CW	(ES-HOL)
M01a	10651	2-1	0710	Tue	297 (x3) 38180 (x2) (Rx12) Stops during thirteenth repeat.	CW	(ES-HOL)
M01a	10651	9-1	0712	Tue	297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat.	CW	(ES-HOL)
M01a	10651	16-1	0710	Tue	297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.	CW	(ES-HOL)
M01a	10651	23-1	0710	Tue	297 (x3) 38180 (x2) (Rx10) - Stops during eleventh repeat.	CW	(ES-HOL)
M01a	10651	30-1	0710	Tue	297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat.	CW	(ES-HOL)
M01a	10651	6-2	0710	Tue	297 (x3) 38180 (x2) (Rx3) 297 (x3) 39318 (x2) (Rx2)	CW	(ES-HOL)
M01a	10651	9-2	0710	Fri	Several test tones (dots and dashes) were sent by the Operator prior to the transmission time as is standard, but no traffic was sent.	CW	(ES-HOL)
M01a	10651	13-2	0710	Tue	297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.	CW	(ES-HOL)
M01a	10651	20-2	0710	Tue	297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat. 297 (x3) 39318 (x2) (Rx9) Stops during tenth repeat.	CW	(ES-HOL)
M01a	10651	28-2	0710	Wed	297 (x3) 38180 (x2) (Rx2) 111 999 00044 00030 29664 49470 85760 81843 ...	CW	(ES-HOL)
M01b	2470	15-2	1932	Thu	910 362 32 = = 74531 92392 71402 ... 92054 58550 21192 = = 362 32 000 //3545 kHz	MCW	(MPJ)
M01b	2470	22-2	1943	Thu	Carriers only on 2470 & 3545 kHz	CW	(MPJ)
M01b	3195	23-2	2002	Fri	866 362 32 = = 74531 92392 71402 ... 92054 58550 21192 = = 362 32 000	MCW	(MPJ)
M01b	3205	5-2	2015	Mon	375 362 32 = = 74521 92393 71402 ... 92054 58550 21192 = = 362 32 000	MCW	(MPJ)

M01b	3205	19-2	2015	Mon	375 362 32 == 74531 92392 71402 ... 92054 58550 21192 == 362 32 000	MCW	(MPJ)
M01b	3520	5-2	1910	Mon	853 362 32 == 74521 92393 71402 ... 92054 58550 21192 == 362 32 000	MCW	(MPJ)
M01b	3520	12-2	1910	Mon	853 362 32 == 74531 92392 71402 ... 92054 58550 21192 == 362 32 000	MCW	(MPJ)
M01b	3520	26-2	1910	Mon	853 362 32 == 74531 92392 71402 ... 92054 58550 21192 == 362 32 000	MCW	(MPJ)
M01b	3545	8-2	1932	Thu	910 362 32 == 74531 92392 71402 ... 92054 58550 21192 == 362 32 000	MCW	(MPJ)
M01b	3545	15-2	1932	Thu	910 362 32 == 74531 92392 71402 ... 92054 58550 21192 == 362 32 000 //2470 kHz	MCW	(MPJ)
M01b	3545	22-2	1943	Thu	Carriers only on 2470 & 3545 kHz	CW	(MPJ)
M08a	8096	9-2	1356	Fri	RWAIA IGWAN GNGIN followed by 3 messages	CW	(AB)
M08a	8096	15-2	1357	Thu	MRNWA WTWGA RDTAN followed by 3 messages	CW	(AB-USA)
M12	4029	7-2	2240	Wed	460 460 460 1 016 151 016 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB/HFD)
M12	4029	21-2	2240	Wed	460 460 460 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	4629	7-2	2220	Wed	460 460 460 1 016 151 016 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB/HFD)
M12	4629	14-2	2220	Wed	460 460 460 000	CW	(AB)
M12	4629	21-2	2220	Wed	460 460 460 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	5429	7-2	2200	Wed	460 460 460 1 016 151 016 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB/HFD)
M12	5429	14-2	2200	Wed	460 460 460 000	CW	(AB)
M12	5429	21-2	2200	Wed	460 460 460 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	5788	7-2	1940	Wed	463 463 463 1 7427 144 7427 144 05207 37679 20449 ... 64787 58116 67170 000 000	CW	(AB/MPJ)
M12	5788	14-2	1940	Wed	463 463 463 1 9030 131 9030 131 17672 85454 98490 ... 87281 40359 91934 000 000	CW	(AB/MPJ)
M12	5788	21-2	1900	Wed	463 1 3969 149 38281 08447 03662 ... 68632 31735 54743 000 000	CW	(MPJ)
M12	5788	28-2	1900	Wed	463 463 463 1 4289 130 4289 130 92927 33544 22588 ... 79584 20972 59311 000 000	CW	(AB/MPJ)
M12	5841	2-2	2110	Fri	986 986 986 000	CW	(HFD)
M12	5841	7-2	2110	Wed	986 986 986 000	CW	(AB/RL)
M12	5841	9-2	2110	Fri	986 986 986 000	CW	(AB/RL)
M12	5841	14-2	2110	Wed	986 986 986 000	CW	(AB)
M12	5841	16-2	2110	Fri	986 986 986 000	CW	(AB/RL)
M12	5841	21-2	2110	Wed	986 986 986 000	CW	(AB/RL)
M12	5841	23-2	2110	Fri	986 986 986 000	CW	(AB)
M12	5841	28-2	2110	Wed	986 986 986 000	CW	(AB)
M12	6802	7-2	1920	Wed	463 463 463 1 7427 144 7427 144 05207 37679 20449 ... 64787 58116 67170 000 000	CW	(AB/MPJ)
M12	6802	14-2	1920	Wed	463 463 463 1 9030 131 9030 131 17672 85454 98490 ... 87281 40359 91934 000 000	CW	(AB/MPJ)
M12	6802	21-2	1900	Wed	463 1 3969 149 38281 08447 03662 ... 68632 31735 54743 000 000	CW	(MPJ)
M12	6802	28-2	1900	Wed	463 463 463 1 4289 130 4289 130 92927 33544 22588 ... 79584 20972 59311 000 000	CW	(AB/MPJ)
M12	6904	7-2	1840	Wed	257 1 1470 134 54242 70987 16127 ... 69766 90823 50209 000 000	CW	(MPJ)
M12	6904	14-2	1840	Wed	257 257 257 1 3693 148 3692 148 91089 67278 70732 ... 56142 41357 42292 000 000	CW	(AB-RUS/MPJ)
M12	6904	21-2	1840	Wed	257 257 257 1 5380 139 5380 139 17411 88503 20248 ... 53732 49968 30945 000 000	CW	(AB/MPJ)
M12	6904	28-2	1840	Wed	257 257 257 1 9380 144 9380 144 10936 70935 34195 ... 17587 99771 64384 000 000	CW	(AB/MPJ)
M12	6941	2-2	2050	Fri	986 986 986 000	CW	(HFD)
M12	6941	7-2	2050	Wed	986 986 986 000	CW	(AB/RL)
M12	6941	9-2	2050	Fri	986 986 986 000	CW	(AB/RL)

M12	6941	14-2	2050	Wed	986 986 986 000	CW	(AB)
M12	6941	16-2	2050	Fri	986 986 986 000	CW	(AB/RL)
M12	6941	21-2	2050	Wed	986 986 986 000	CW	(AB/RL)
M12	6941	23-2	2050	Fri	986 986 986 000	CW	(AB)
M12	6941	28-2	2050	Wed	986 986 986 000	CW	(AB)
M12	7462	1-2	1350	Thu	104 104 104 1 6230 67 6230 67 76106 65752 56211 .. 90705 38537 17640 000	CW	(AB/MPJ/HFD)
M12	7462	3-2	1350	Sat	104 104 104 1 6230 67 6230 67 76106 65752 56211 ... 90705 38537 17640 000	CW	(AB)
M12	7462	15-2	1350	Thu	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	7462	17-2	1350	Sat	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	7637	3-2	0600	Sat	612 612 612 000	CW	(AB)
M12	7637	10-2	0600	Sat	612 612 612 1 108 151 108 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB)
M12	7637	17-2	0600	Sat	612 612 612 000	CW	(AB)
M12	7637	24-2	0600	Sat	612 612 612 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	7931	7-2	1820	Wed	257 1 1470 134 54242 70987 16127 ... 69766 90823 50209 000 000	CW	(MPJ)
M12	7931	14-2	1820	Wed	257 257 257 1 3693 148 3692 148 91089 67278 70732 ... 56142 41357 42292 000 000	CW	(AB-RUS/MPJ)
M12	7931	21-2	1820	Wed	257 257 257 1 5380 139 5380 139 17411 88503 20248 ... 53732 49968 30945 000 000	CW	(AB/MPJ)
M12	7931	28-2	1820	Wed	257 257 257 1 9380 144 9380 144 10936 70935 34195 ... 17587 99771 64384 000 000	CW	(AB/MPJ)
M12	8047	7-2	1900	Wed	463 463 463 1 7427 144 7427 144 05207 37679 20449 ... 64787 58116 67170 000 000	CW	(AB/MPJ)
M12	8047	14-2	1900	Wed	463 463 463 1 9030 131 9030 131 17672 85454 98490 ... 87281 40359 91934 000 000	CW	(AB/MPJ)
M12	8047	21-2	1900	Wed	463 1 3969 149 38281 08447 03662 ... 68632 31735 54743 000 000	CW	(MPJ)
M12	8047	28-2	1900	Wed	463 463 463 1 4289 130 4289 130 92927 33544 22588 ... 79584 20972 59311 000 000	CW	(AB/MPJ)
M12	8062	1-2	1330	Thu	104 104 104 1 6230 67 6230 67 76106 65752 56211 .. 90705 38537 17640 000	CW	(AB/MPJ/HFD)
M12	8062	3-2	1330	Sat	104 104 104 1 6230 67 6230 67 76106 65752 56211 ... 90705 38537 17640 000	CW	(AB)
M12	8062	8-2	1330	Thu	104 104 104 000	CW	(AB/MPJ)
M12	8062	10-2	1330	Sat	104 104 104 000	CW	(AB/MPJ)
M12	8062	15-2	1330	Thu	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	8062	17-2	1330	Sat	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	8062	22-2	1330	Thu	104 104 104 000	CW	(AB/MPJ)
M12	8062	24-2	1330	Sat	104 104 104 000	CW	(AB)
M12	8116	5-2	2040	Mon	124 1	CW	(HFD)
M12	8116	27-2	2040	Tue	124 124 124 1 1329 105 1329 105 20774 39904 55869 ... 20189 32382 57529 000 000	CW	(AB)
M12	9060	19-2	1247	Mon	Unscheduled transmission. Stopped and restarted several times	CW	(ES-HOL)
M12	9060	21-2	1336	Wed	687 1 9206 5 03336 73240 06420 43101 15816 000 000	CW	(ES-HOL)
M12	9060	26-2	1212	Mon	Test tones at 1212 and 1219z but no traffic followed	CW	(ES-HOL)
M12	9137	3-2	0620	Sat	612 612 612 000	CW	(AB)
M12	9137	10-2	0620	Sat	612 612 612 1 108 151 108 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB)
M12	9137	17-2	0620	Sat	612 612 612 000	CW	(AB)
M12	9137	24-2	0620	Sat	612 612 612 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	9162	1-2	1310	Thu	104 104 104 1 6230 67 6230 67 76106 65752 56211 .. 90705 38537 17640 000	CW	(AB/MPJ/HFD)
M12	9162	3-2	1310	Sat	104 104 104 1 6230 67 6230 67 76106 65752 56211 ... 90705 38537 17640 000	CW	(AB)

M12	9162	8-2	1310	Thu	104 104 104 000	CW	(AB/MPJ)
M12	9162	10-2	1310	Sat	104 104 104 000	CW	(AB/MPJ)
M12	9162	15-2	1310	Thu	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	9162	17-2	1310	Sat	104 104 104 1 107 75 107 75 71903 80267 40158 ... 18089 34795 29828 000 000	CW	(AB/MPJ)
M12	9162	22-2	1310	Thu	104 104 104 000	CW	(AB/MPJ)
M12	9162	24-2	1310	Sat	104 104 104 000	CW	(AB)
M12	9176	7-2	1800	Wed	257 1 1470 134 54242 70987 16127 ... 69766 90823 50209 000 000	CW	(MPJ)
M12	9176	14-2	1800	Wed	257 257 257 1 3693 148 3692 148 91089 67278 70732 ... 56142 41357 42292 000 000	CW	(AB-RUS/MPJ)
M12	9176	21-2	1800	Wed	257 257 257 1 5380 139 5380 139 17411 88503 20248 ... 53732 49968 30945 000 000	CW	(AB/MPJ)
M12	9176	28-2	1800	Wed	257 257 257 1 9380 144 9380 144 10936 70935 34195 ... 17587 99771 64384 000 000	CW	(AB/MPJ)
M12	9264	5-2	2020	Mon	124 1	CW	(HFD)
M12	9264	12-2	2020	Mon	124 1 470 28 54908 09868 47761 ... 72217 14159 37966 000 000	CW	(MPJ)
M12	9264	19-2	2020	Mon	124 1 4890 106 82315 31223 67578 ... 68737 76889 11140 000 000	CW	(MPJ)
M12	9264	27-2	2020	Tue	124 124 124 1 1329 105 1329 105 20774 39904 55869 ... 20189 32382 57529 000 000	CW	(AB)
M12	9327	5-2	1950	Mon	938 938 938 1 7131 83 7131 83 59547 44718 89117 ... 45773 08602 25160 000 000	CW	(AB/MPJ)
M12	9327	12-2	1950	Mon	938 1 4422 80 18151 46098 61271 ... 00355 85400 24522 000 000	CW	(MPJ-RUS)
M12	9327	19-2	1950	Mon	938 1 9192 77 73342 71785 16761 ... 78084 61065 10394 000 000	CW	(MPJ)
M12	9327	26-2	1910	Mon	938 1 9388 82 41590 34254 56259 ... 77073 39440 01080 000 000	CW	(MPJ)
M12	10237	10-2	0640	Sat	612 612 612 1 108 151 108 151 11526 05882 19897 ... 17718 95397 26945 000 000	CW	(AB)
M12	10237	24-2	0640	Sat	612 612 612 1 6453 99 6453 99 72818 98432 67724 ... 37303 14270 80074 000 000	CW	(AB)
M12	10343	5-2	2000	Mon	124 1	CW	(HFD)
M12	10343	12-2	2000	Mon	124 1 470 28 54908 09868 47761 ... 72217 14159 37966 000 000	CW	(MPJ)
M12	10343	19-2	2000	Mon	124 1 4890 106 82315 31223 67578 ... 68737 76889 11140 000 000	CW	(MPJ)
M12	10343	27-2	2000	Tue	124 124 124 1 1329 105 1329 105 20774 39904 55869 ... 20189 32382 57529 000 000	CW	(AB/MPJ-RUS)
M12	10362	5-2	1440	Mon	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ/HFD)
M12	10362	7-2	1440	Wed	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ)
M12	10362	19-2	1440	Mon	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	10362	21-2	1440	Wed	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	10598	5-2	1930	Mon	938 938 938 1 7131 83 7131 83 59547 44718 89117 ... 45773 08602 25160 000 000	CW	(AB/MPJ)
M12	10598	12-2	1930	Mon	938 1 4422 80 18151 46098 61271 ... 00355 85400 24522 000 000	CW	(MPJ-RUS)
M12	10598	19-2	1930	Mon	938 1 9192 77 73342 71785 16761 ... 78084 61065 10394 000 000	CW	(MPJ)
M12	10598	26-2	1910	Mon	938 1 9388 82 41590 34254 56259 ... 77073 39440 01080 000 000	CW	(MPJ)
M12	11435	5-2	1910	Mon	938 938 938 1 7131 83 7131 83 59547 44718 89117 ... 45773 08602 25160 000 000	CW	(AB/MPJ)
M12	11435	12-2	1910	Mon	938 1 4422 80 18151 46098 61271 ... 00355 85400 24522 000 000	CW	(MPJ-RUS)
M12	11435	19-2	1910	Mon	938 1 9192 77 73342 71785 16761 ... 78084 61065 10394 000 000	CW	(MPJ)
M12	11435	26-2	1910	Mon	938 1 9388 82 41590 34254 56259 ... 77073 39440 01080 000 000	CW	(MPJ)
M12	11562	5-2	1420	Mon	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ/HFD)
M12	11562	7-2	1420	Wed	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ)
M12	11562	12-2	1420	Mon	353 353 353 000	CW	(AB/MPJ)
M12	11562	14-2	1420	Wed	353 353 353 000	CW	(AB/MPJ)

M12	11562	19-2	1420	Mon	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	11562	21-2	1420	Wed	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	11562	28-2	1420	Wed	353 353 353 000	CW	(MPJ)
M12	12114	1-2	1740	Thu	317 1 8467 105 55956 45890 62489 ... 08863 14298 40605 000 000	CW	(MPJ-RUS)
M12	12114	8-2	1740	Thu	317 317 317 1 1860 108 1860 108 69119 49069 83849 ... 90151 98844 26936 000 000	CW	(AB-RUS/MPJ-RUS)
M12	12114	15-2	1740	Thu	317 317 317 1 470 28 470 28 54908 09868 47761 ... 72217 14159 37966 000 000	CW	(AB-RUS/MPJ)
M12	12114	22-2	1740	Thu	317 1 3570 103 98233 06676 48082 ... 02490 97841 31982 000 000	CW	(MPJ-RUS)
M12	12194	26-2	1210	Mon	i.p. 59015 27346 91141 94997 000 000	CW	(ES-HOL)
M12	13362	5-2	1400	Mon	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ/HFD)
M12	13362	7-2	1400	Wed	353 353 353 1 5860 145 5860 145 15562 45100 ... 98570 43425 70565 000 000	CW	(AB/MPJ)
M12	13362	12-2	1400	Mon	353 353 353 000	CW	(AB/MPJ)
M12	13362	14-2	1400	Wed	353 353 353 000	CW	(AB/MPJ)
M12	13362	19-2	1400	Mon	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	13362	21-2	1400	Wed	353 353 353 1 526 107 526 107 93160 01269 27849 .. 23874 09877 74837 000 000	CW	(AB/MPJ)
M12	13362	28-2	1400	Wed	353 353 353 000	CW	(MPJ)
M12	13369	1-2	1010	Thu	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB)/HFD
M12	13369	4-2	1010	Sun	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB)
M12	13369	8-2	1010	Thu	369 369 369 000	CW	(AB/RL)
M12	13369	11-2	1010	Sun	369 369 369 000	CW	(AB)
M12	13369	15-2	1010	Thu	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M12	13369	18-2	1010	Sun	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M12	13369	22-2	1010	Thu	369 369 369 000	CW	(AB)
M12	13369	25-2	1010	Sun	369 369 369 000	CW	(AB)
M12	13407	26-2	1227	Mon	i.p. 95813 77537 91141 94997 000 000	CW	(ES-HOL)
M12	13461	1-2	1720	Thu	317 1 8467 105 55956 45890 62489 ... 08863 14298 40605 000 000	CW	(MPJ-RUS)
M12	13461	8-2	1720	Thu	317 317 317 1 1860 108 1860 108 69119 49069 83849 ... 90151 98844 26936 000 000	CW	(AB-RUS/MPJ-RUS)
M12	13461	15-2	1720	Thu	317 317 317 1 470 28 470 28 54908 09868 47761 ... 72217 14159 37966 000 000	CW	(AB-RUS/MPJ)
M12	13461	22-2	1720	Thu	317 1 3570 103 98233 06676 48082 ... 02490 97841 31982 000 000	CW	(MPJ-RUS)
M12	14377	1-2	1700	Thu	317 1 8467 105 55956 45890 62489 ... 08863 14298 40605 000 000	CW	(MPJ-RUS)
M12	14377	8-2	1700	Thu	317 317 317 1 1860 108 1860 108 69119 49069 83849 ... 90151 98844 26936 000 000	CW	(AB-RUS/MPJ-RUS)
M12	14377	15-2	1700	Thu	317 317 317 1 470 28 470 28 54908 09868 47761 ... 72217 14159 37966 000 000	CW	(AB-RUS/MPJ)
M12	14377	22-2	1700	Thu	317 1 3570 103 98233 06676 48082 ... 02490 97841 31982 000 000	CW	(MPJ-RUS)
M12	14669	1-2	1030	Thu	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB/HFD)
M12	14669	4-2	1030	Sun	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB)
M12	14669	8-2	1030	Thu	369 369 369 000	CW	(AB/RL)
M12	14669	11-2	1030	Sun	369 369 369 000	CW	(AB)
M12	14669	15-2	1030	Thu	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M12	14669	18-2	1030	Sun	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M12	14669	22-2	1030	Thu	369 369 369 000	CW	(AB)
M12	14669	25-2	1030	Sun	369 369 369 000	CW	(AB)

M12	15969	1-2	1050	Thu	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB/HFD)
M12	15969	4-2	1050	Sun	369 369 369 1 201 133 201 133 34226 65789 82994 ... 88962 59187 09396 000	CW	(AB)
M12	15969	15-2	1050	Thu	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M12	15969	18-2	1050	Sun	369 369 369 1 9804 117 9804 117 17502 88558 27682 ... 65899 03409 36584 000 000	CW	(AB)
M14	4024	6-2	1700	Tue	725 725 725 00000	MCW	(AB)
M14	4024	20-2	1600	Tue	725 725 725 00000	MCW	(AB)
M14	4025	6-2	1600	Tue	725 0	CW	(HFD)
M14	4636	13-2	1820	Tue	186 456 25 34253 75648 07912 ... 84635 03564 73524 456 25 00000	MCW	(MPJ)
M14	4636	27-2	1820	Tue	186 775 32 55676 43289 91825 ... 39285 57913 66432 775 32 00000	MCW	(MPJ)
M14	4761	14-2	1920	Wed	748 775 775 32 32 55676 43289 91825 ... 7913 (57913) 66432 (66532) 775 775 32 32 00000 Announced 32 groups but sent 25. Errors in repeats.	MCW	(AB/MPJ)
M14	4761	14-2	1920	Wed	748 775 32 = 55676 MCW	MCW	(HFD)
M14	4761	28-2	1920	Wed	748 775 775 32 32 55676 43289 91825 ... 39285 57913 66432 775 775 32 32 00000	MCW	(AB/MPJ)
M14	4975	2-2	1712	Fri	52307 49512 24349 06357 29528 18549 727	MCW	(AB)
M14	4975	2-2	1723	Fri	Test: 334 06843 30649 86664 39496 72491 05608 08922 21xx3 10	MCW	(AB)
M14	4975	2-2	1727	Fri	Test: M 12924 17741 95299 33597 67558 05133 64454 61349 27565 15489 11275 83831 74727 55483 56140 S	MCW	(AB)
M14	4975	16-2	1715	Fri	02 23526 60573 71072 06838 27536 73083 9 then off	MCW	(AB/MPJ)
M14	4975	16-2	1757	Fri	098	MCW	(AB)
M14	4975	16-2	1759	Fri	382 382 382 00000	MCW	(AB)
M14	4985	2-2	1800	Fri	382 382 382 00000	MCW	(MPJ)
M14	5374	2-2	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5385	16-2	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5385	16-2	1711	Fri	8491 97633 07142 52729 25821 51855 02890 14730 04759 625 then off	MCW	(AB)
M14	5947	25-2	0600	Sun	382 382 382 00000	MCW	(AB)
M14	5947	25-2	0606	Sun	Test: 327 58023 65998 75357 905N	MCW	(AB)
M14	5951	11-2	0600	Sun	382 382 382 00000	MCW	(AB)
M14	6767	25-2	0700	Sun	Carrier till 0707z, then 382 382 then off	CW	(AB)
M14	8167	20-2	1201	Tue	i.p. 058 369 52 = 96113 38530 03314 02654 00000	CW	(ES-HOL)
M14	15994	26-2	0930	Mon	617 839 839 74 74 = = 60284 83366 62928 ... 71638 71325 32369 = = 839 839 74 74 00000	CW	(AB-RUS)
M14	17458	10-2	0930	Sat	617 839 839 74 74 = = 60284 83366 62928 ... 71638 71325 32369 = = 839 839 74 74 00000	CW	(AB-GRC)
M14	17458	25-2	0930	Sun	617 839 839 74 74 = = 60284 83366 62928 32278 78090 77201 32077 90784 64710 52956 ...	CW	(AB)
M14	18041	5-2	0500	Mon	952 130 130 55 55 = = 16093 23432 22831 ... 96552 06089 97970 = = 130 130 55 55 00000	CW	(AB-CHN)
M14	18041	6-2	0500	Tue	952 768 768 50 50 = = 48577 47215 19541 ... 26638 02206 56660 = = 768 768 50 50 00000	CW	(AB-CHN)
M14	18041	14-2	0500	Wed	952 401 401 55 55 = = 20396 29677 20515 ... 40130 22324 77377 = = 401 401 55 55 00000	CW	(AB-NZL)
M14	18041	16-2	0500	Fri	952 148 148 55 55 = = 77396 22706 64886 ... 40131 65910 12831 = = 148 148 55 55 00000	CW	(AB-CHN)
M14	18041	26-2	0500	Mon	952 847 847 50 50 = = 82074 09695 17042 ... 37432 20685 09579 = = 847 847 50 50 00000	CW	(AB-CHN)
M21	4951.5	7-2	1800	Wed	Russian Air Defense =992107??0????? =992108??0?????	CW	(WP3)
M21	5020.5	7-2	1654	Wed	Russian Air Defense =991956??8????? =991957??8?????	CW	(WP3)
M22	4331	24-2	0408	Sat	VVV DE 4XZ 4XZ = =	CW	(S1)

M22	6607	12-2	1743	Mon	VVV DE 4XZ 4XZ == F AR NW QTC 1 NR 551 == FBFBF LAZTF LULQW RTCUW WOUZR QWUND OXOAR EAJNF YUIGF LAZQF ==	CW	(AB)
M22	6607	22-2	0135	Thu	VVV DE 4XZ 4XZ == VVV DE 4XZ 4XZ	CW	(RL)
M32	5143	21-2	1426	Wed	1DI2 DE 2I2Z K. 1DI2 DE 2I2Z QSA 4 QTC 1 ZZC K AS. Switched to RTTY at 1428 UTC sending RYRYRYRY	CW	(JPL-J)
M32	8191	27-2	0919	Tue	XXX XXX REC5 REC5 39910 APISOW-Z 9297 6292 K	CW	(AB)
M32	12152	24-2	0923	Sat	i.p. 2LME 624 12 196 20 = 836 = 54367 10851 54782 ... 86350 33421 24022 K. B6LH B6LH B6LH QTC +	CW	(AB)
M32	12152	24-2	0929	Sat	B6LH B6LH B6LH 794 23 24 1227 794 = 315 = 11111 53571 78675 25745 ... 80754 12135 24021 K. R K. 2LME K	CW	(AB)
M32	12152	24-2	1030	Sat	OHTC DE CBGK K. CBGK ZKF ZSE ZKD ZVR ZPT ZTK QSU 1 QYT 6 QSU 6 K. OK AS CBGK R K	CW	(AB)
M32	12707	19-2	0913	Mon	XXX XXX WLHN WLHN 09391 MARTOSBOJ 4518 5650	CW	(JU)
M32	12707	19-2	0918	Mon	XXX XXX N1DX N1DX F2ET F2ET 57084 38400 TIGRONOS 0637 3370 PUFOKREN 8530 4520	CW	(JU)
M32	12707	19-2	0923	Mon	SPWZ DE LGCA K RK SE2C DE LGCA K RK TUFR DE LGCA K RK K81M DE LGCA K RK Y6Q8 DE LGCA K RK THVU DE LGCA K RK	CW	(JU)
M32	14411	19-2	0929	Mon	XXX XXX RDL RDL 70376 78920 KOBOLXD 3850 4853	CW	(JU)
M32a	3254	1-2	1450	Thu	Russian Navy Pacific Fleet: XXX RJY50 RJY50 22991 OTYSKIWANXE 6842 7954 K	CW	(F5JBR-J)
M32a	3254	1-2	1616	Thu	Russian Navy Pacific Fleet: XXX RJY50 22865 GEPTAHORD 9605 1356 K	CW	(F5JBR-J)
M32a	3254	1-2	1618	Thu	Russian Navy Pacific Fleet: XXX RJY50 82531 KR-TVOChARM 3963 1845 K	CW	(F5JBR-J)
M32a	3254	1-2	1620	Thu	Russian Navy Pacific Fleet: XXX RJY50 85315 OWS-TNICA 6319 3993 K	CW	(F5JBR-J)
M32a	5023.5	7-2	1803	Wed	RIR98: Russian Navy PM-56. rcv de rir98 711 17 7 2100 711 = sml for rje73 rjh45 = 07181 99348 10359 41498 10026 ...	CW	(WP3)
M32a	5179	7-2	1734	Wed	reo de rmp qtc 383 157 7 1957 383 = sml = prognoz pogody s 18 ...	CW	(WP3)
M32a	8191	12-2	1500	Mon	REO REO DE RMP RMP QTC 988 28 12 1756 988 = SML = BALTIJSKOE MORE OPOWEQENIE NR 70 ShTORMOWOE ...	CW	(AB)
M32a	8191	21-2	1057	Wed	RJD69 RJD69 RJD69 DE RMP RMP QRR3 QDW 5054 AR	CW	(AB)
M32a	8191	21-2	1236	Wed	RIO96 RIO96 RIO96 DE RMP RMP QYT 9 QSX 6477 QWH 4403 AR	CW	(AB)
M32a	8191	21-2	1322	Wed	REO REO REO DE RMP RMP QTC 539 22 21 1613 539 = 11111 49421 58377 26864 14918 73887 58675 37151 79513 98624 67586 16018 68739 06996 21977 65463 22168 48057 55326 33242 71264 65293 21021 AR	CW	(AB)
M32a	8191	21-2	1329	Wed	REO REO REO DE RMP RMP QTC 299 22 21 1623 299 = 22222 91102 80407 51173 17032 87604 82416 79413 09240 76229 09687 43275 58510 50815 95400 72451 11735 94658 89754 71264 65293 21021 AR	CW	(AB)
M32a	8191	28-2	1422	Wed	REO REO REO DE RMP RMP QTC 403 37 28 1711 403 = SML = BALTIJSKOE MORE OPOWEQENIE NR 92 ShTORMOWOE PREDUPREVDENIE etc.	CW	(AB)
M32a	8345	7-2	0618	Wed	RLA88: Russian Navy Ship Yelnya, rcv de rla88 715 17 7 0915 715 = sml for riw rcv rmp = 11111 72314 660...	CW	(WP3)
M32a	9289	7-2	1204	Wed	RIR98: Russian Navy PM-56. rcv de rir98 21819 7 1500 218 = sml for rje73 rjh45 = 07121 99349 10358 41398 13503 ...	CW	(WP3)
M32a	12464	7-2	1505	Wed	RLA88: Russian Navy Ship Yelnya. rcv de rla88 riw de rla88 737 25 7 1800 737 = for riw rmp =	CW	(WP3)

					11111 60722 57980 45360 16421 ...		
M51a	6825	17-2	1022	Sat	FAV22 i.p. DHSUA ZNWJS 83725 JSJET 37627 QJNXV CHZRS WKQIJ ALMPQ HNCVX HDUJR MLQOA NXJWC ...	CW	(AB)
M89	3168	1-2	1343	Thu	1PJH de ET2Q K 1PJH de ET2Q HR MSG NR 112 CK 91 96 0201 2130 RMKS 8919 TO 2949 = A7N7 6TU6 ...	CW	(F5JBR-J)
M89	3238	1-2	1344	Thu	M8JF (x3) de RIS9 (x2) V	CW	(F5JBR-J)
M89	3238	1-2	1526	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	1-2	2246	Thu	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 4870	CW	(JPL)
M89	3238	2-2	1357	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	3-2	2214	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	7-2	1905	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	9-2	2100	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	11-2	1148	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	12-2	1107	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	15-2	1250	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	20-2	1855	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	23-2	1410	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	25-2	1424	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	26-2	1611	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3331	6-2	1347	Tue	i.p. D46U U3N6 AR K AS RPT 22W TO 23W K R RPT 22W TO 23W BT 4U7N A57T 4U7N A57T AR K	CW	(JPL)
M89	3356	9-2	2103	Fri	i.p. 3TNU D4U6 A354 T6U6 ... III K K	CW	(JPL)
M89	3611	13-2	1224	Tue	VVV KFT4 de 5WBX K and QSA 3 ? K. HR MSG GA K and NR 0223 CK 141 43 0213 2040 RMKS 7447 TO 7416 7417 = 77DU 6A33 465D ...	CW	(F5JBR-J)
M89	3611	13-2	1329	Tue	V2YI de 5WBX K HR MSG GA K	CW	(F5JBR-J)
M89	4117	13-2	1012	Tue	ELH6 (x3) de WJC2 (x2) V	CW	(F5JBR-J)
M89	4125	1-2	1527	Thu	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)
M89	4125	1-2	1627	Thu	UISD (x3) de CBFG (x2) V //5479 kHz	CW	(F5JBR-J)
M89	4125	3-2	2216	Sat	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)
M89	4125	6-2	1413	Tue	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)
M89	4125	7-2	1919	Wed	V UISD (x3) DE CBFG (X2) Note: Having technical issues with roundslip. Sending UISD (x3) DE (x3)	CW	(JPL)
M89	4125	9-2	1734	Fri	UISD (x3) de DEDE (x2) V	CW	(F5JBR-J)
M89	4125	9-2	2113	Fri	V UISD (x3) DE CBFG (X2) //5479 Note: Having technical issues with roundslip. Sending UISD (x3)	CW	(JPL)
M89	4125	11-2	1214	Sun	V UISD (x3) DE CBFG (X2) //5479 Note: Having technical issues with roundslip. Sending UISD (x3)	CW	(JPL)
M89	4125	12-2	1105	Mon	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)
M89	4125	13-2	1225	Tue	UISD (x3) de CBFG (x2) V	CW	(F5JBR-J)
M89	4125	15-2	1253	Thu	V UISD (x3) DE CBFG (X2) //5479 Having technical issues with roundslip. Send V UISD x3) DE	CW	(JPL)

					(x3)			
M89	4125	20-2	1857	Tue	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)	
M89	4125	21-2	1420	Wed	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)	
M89	4125	23-2	1412	Fri	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)	
M89	4125	26-2	1618	Mon	V UISD (x3) DE CBFG (X2) //5479	CW	(JPL)	
M89	4131	23-2	1414	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)	
M89	4231	23-2	1422	Fri	i.p. 7ND4 54T6 U7N3 56UT ...	CW	(JPL)	
M89	4245	12-2	1140	Mon	i.p. EGZ4 DE TFLQ K. R K. 2O4T DE TFLQ K. 2O4T DE TFLQ K	CW	(JPL)	
M89	4326	1-2	1529	Thu	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	1-2	1844	Thu	QW2A (x3) de G5VD (x2) V //4904 kHz	CW	(F5JBR-J)	
M89	4326	3-2	2218	Sat	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	6-2	1416	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	7-2	1921	Wed	V QW2A (x3) DE G5VD (x2) //4904 Note: // sending different roundslip	CW	(JPL)	
M89	4326	9-2	2115	Fri	V QW2A (x3) DE MG5VD (x2) //4904 Note: // sending different roundslip	CW	(JPL)	
M89	4326	12-2	1111	Mon	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	13-2	1226	Tue	QW2A (x3) de G5VD (x2) V //4904	CW	(F5JBR-J)	
M89	4326	15-2	1313	Thu	V QW2A (x3) DE G5VD (x2)	CW	(JPL)	
M89	4326	15-2	2105	Thu	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	20-2	1859	Tue	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	21-2	1422	Wed	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	23-2	1417	Fri	V QW2A (x3) DE G5VD (x2) //4904	CW	(JPL)	
M89	4326	25-2	1432	Sun	V QW2A (x3) DE G5VD (x2) //4904 sending different round slip	CW	(JPL)	
M89	4326	26-2	0648	Mon	V QW2A (x3) DE G5VD (x2) //4904 sending difference round slip	CW	(JPL)	
M89	4436	6-2	1403	Tue	i.p. AR K. RPT 44W... BT TA4. 6AUA DAA5 DAA5 AD7A U ... AR K	CW	(JPL)	
M89	4860	12-2	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	4860	13-2	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)	
M89	4870	1-2	1526	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	1-2	2246	Thu	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 3238	CW	(JPL)	
M89	4870	2-2	1357	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	3-2	2214	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	7-2	1725	Wed	v m8jf m8jf m8jf de ris9 ris9	CW	(WP3)	
M89	4870	7-2	1905	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	9-2	2100	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	11-2	1148	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	12-2	1107	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	13-2	1229	Tue	M8JF (x3) de RIS9 (x2) V //3238	CW	(F5JBR-J)	
M89	4870	15-2	0037	Thu	V M8JF (x3) DE RIS9 (x2) //6874 and 8157	CW	(JPL)	
M89	4870	15-2	1250	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	20-2	1855	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	
M89	4870	23-2	1410	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)	

M89	4870	25-2	1424	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4870	26-2	1611	Mon	V M8JF (x3) DE RIS9 (x2) //3832	CW	(JPL)
M89	4904	1-2	1529	Thu	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	1-2	1844	Thu	QW2A (x3) de G5VD (x2) V //4326 kHz	CW	(F5JBR-J)
M89	4904	3-2	2218	Sat	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	6-2	1416	Tue	i.p. N3D4 D67N 6UA3 4NDU ... AR K. V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	7-2	1921	Wed	V WE3S (x3) DE CF5T (x2) //4326	CW	(JPL)
M89	4904	9-2	2115	Fri	V QW2A (x3) DE G5VD (x2) //4326 Note: // sending different roundslip	CW	(JPL)
M89	4904	12-2	1111	Mon	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	15-2	2105	Thu	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	20-2	1859	Tue	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	21-2	1422	Wed	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	23-2	1417	Fri	V QW2A (x3) DE G5VD (x2) //4326	CW	(JPL)
M89	4904	25-2	1432	Sun	V WE3S (x3) DE CF5T (x2) //4326 sending different round slip	CW	(JPL)
M89	4904	26-2	1836	Mon	V WE3V (x3) DE CF5T (x2) //4326 sending difference round slip. Now sending WE3V vice WE3S.	CW	(JPL)
M89	5061	13-2	1120	Tue	i.p. 7ANU 437N D5U7 UDAT ...	CW	(JPL)
M89	5099	13-2	1119	Tue	i.p. 3DUN UT57 AU45 674T 37T6 37TU ...	CW	(JPL)
M89	5116	12-2	1116	Mon	i.p. T5UD 637N N54D ND6U DTA6 ... T6A7 745D N53D AR K. OK OK QSL 1917 K	CW	(JPL)
M89	5120	12-2	0831	Mon	H71 de H721 NR 26 CK 88 12/92 = 28602 250613 68129 12902 11880 ... H71 QSL QSL H721 HR OP10 ? H721 OP74 QRU GB	CW	(F5JBR-J)
M89	5222	12-2	0750	Mon	3JWV (x3) de QH4P (x2) V	CW	(F5JBR-J)
M89	5460	26-2	0713	Mon	i.p. U746 D5A3 7TUD T3UU ... AR K = N4 ? EEEEE = N4T3 GA	CW	(JPL)
M89	5473	9-2	2113	Fri	V UISD (x3) DE CBFG (X2) //4125 Note: Having technical issues with roundslip. Sending UISD (x3)	CW	(JPL)
M89	5479	1-2	1527	Thu	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	1-2	1627	Thu	UISD (x3) de CBFG (x2) V //4125 kHz	CW	(F5JBR-J)
M89	5479	3-2	2216	Sat	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	6-2	1413	Tue	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	11-2	1214	Sun	V UISD (x3) DE CBFG (X2) //4125 Note: Having technical issues with roundslip. Sending UISD (x3)	CW	(JPL)
M89	5479	12-2	1105	Mon	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	15-2	1253	Thu	V UISD (x3) DE CBFG (X2) //4125 Having technical issues with roundslip. Send V UISD x3) DE (x3)	CW	(JPL)
M89	5479	20-2	1857	Tue	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	21-2	1420	Wed	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	23-2	1412	Fri	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5479	26-2	1618	Mon	V UISD (x3) DE CBFG (X2) //4125	CW	(JPL)
M89	5566	13-2	1117	Tue	i.p. 7TD4 T36U DNU3 T6NU NDA7	CW	(JPL)
M89	5721	6-2	0057	Tue	i.p. AN75 U37U 6TU3 TD3T T73T ...	CW	(JPL)
M89	5743	2-2	1020	Fri	UISD (x3) de CBFG (x2) V	CW	(F5JBR-J)

M89	5743	15-2	0229	Thu	V UISD (x3) DE CBFG(x2) //9131 Having technical problems with roundslip. Sending IISD vice UISD	CW	(JPL)
M89	5776	13-2	1113	Tue	i.p. NA3N D3AD AR K. R RPT 27W 4UAT 4UAT K. R RPT 66W A6D4 A6 RRRR RPT 66W A6D4 A6D4 K. R U 7G	CW	(JPL)
M89	5831	21-2	0713	Wed	V QW2A (x3) DE G5VD (x2) //10589	CW	(JPL)
M89	5835	12-2	0848	Mon	QW2A (x3) de G5VD (x2) V	CW	(F5JBR-J)
M89	5835	13-2	0954	Tue	QW2A (x3) de G5VD (x2) V	CW	(F5JBR-J)
M89	5835	26-2	0648	Mon	V QW2A (x3) DE G5VD (x2) //10589 sending difference round slip	CW	(JPL)
M89	6840	12-2	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6840	13-2	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6840	15-2	0020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	6874	1-2	0314	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	1-2	2246	Thu	V M8JF (x3) DE RIS9 (x2) //8157 and 4870 and 3238	CW	(JPL)
M89	6874	6-2	0057	Tue	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	6-2	0810	Tue	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	7-2	0700	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	8-2	0626	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	15-2	0037	Thu	V M8JF (x3) DE RIS9 (x2) //4870 and 8157	CW	(JPL)
M89	6874	21-2	0715	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	6874	26-2	0704	Mon	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	1-2	0314	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	1-2	2246	Thu	RIS9 i.p. 7G NR 0203 CK 97 40 0202 0645 RMKS 7919 TO 9975 2919 3598 = //6874 and 4870 and 3238	CW	(JPL)
M89	8157	6-2	0057	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	6-2	0810	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	7-2	0700	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	8-2	0626	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	15-2	0037	Thu	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
M89	8157	21-2	0715	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	8157	26-2	0704	Mon	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	9131	1-2	0303	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	9131	2-2	0800	Fri	UISD (x3) de CBFG (x2) V	CW	(F5JBR-J)
M89	9131	6-2	0103	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	9131	6-2	0805	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	9131	8-2	0634	Thu	V UISD (x3) DE CBFG (X2) Note: Having technical issues with roundslip. Sending UISD (x3) DE (x3	CW	(JPL)
M89	9131	15-2	0229	Thu	V UISD (x3) DE CBFG(x2) //5743 Having technical problems with roundslip. Sending IISD vice UIS	CW	(JPL)
M89	9131	21-2	0717	Wed	V UISD (x3) DE CBFG (X2)	CW	(JPL)
M89	10589	1-2	0250	Thu	V QW2A (x3) DE G5VD (x2)	CW	(JPL)

M89	10589	6-2	0059	Tue	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
M89	10589	6-2	0759	Tue	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
M89	10589	7-2	0701	Wed	V QW2A (x3) DE G5VD (x2)	CW	(JPL)
M89	10589	8-2	0621	Thu	V WE3S (x3) DE CF5T (x2)	CW	(JPL)
M89	10589	10-2	0718	Sat	QW2A (x3) de G5VD (x2) V	CW	(F5JBR-J)
M89	10589	21-2	0713	Wed	V QW2A (x3) DE G5VD (x2) //5835	CW	(JPL)
M89	10589	26-2	0648	Mon	V WE3V (x3) DE CF5T (x2) //5835 sending difference round slip. Now sending WE3V vice WE3S.	CW	(JPL)
M89v	5116	12-2	1116	Mon	Switched from Morse to voice traffic in Chinese	USB	(JPL)
M95	3029	13-2	1015	Tue	BR7D wkg 7 outstations on 3167 kHz	CW	(F5JBR-J)
M95	3051	1-2	1031	Thu	2XBX (x3) de GR7G (x2) V	CW	(F5JBR-J)
M95	3051	1-2	1330	Thu	2XBX (x3) de GR7G (x2) V and QSO with 7 outstations in duplex	CW	(F5JBR-J)
M95	3642	1-2	1524	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	3-2	2212	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	7-2	1900	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	15-2	1245	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	20-2	1852	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	21-2	1436	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	3642	23-2	1430	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	3642	25-2	1421	Sun	V DKG6 (x3) DE 3A7D (x2) //7602/	CW	(JPL)
M95	3642	26-2	1827	Mon	V DKG6 (x3) DE 3A7D (x2) //76022	CW	(JPL)
M95	4100	25-2	1421	Sun	i.p. 05 05 05 NN75 NN75 NN75 ... 05 05 = 65N. 4TA7 U4N6 5T3D A7U4 6NT5 3D7A ...	CW	(JPL)
M95	4243	11-2	1150	Sun	i.p. 467 3DA TTU TT3 773 ... AR	CW	(JPL)
M95	4243	12-2	1146	Mon	i.p. A HR TO YR PSE CY NR 041 CK 30 35 0212 1510 = 5TD UTT TAU 3U6 7TA ... //9054	CW	(JPL)
M95	4243	13-2	1156	Tue	XSV85 i.p. A HR 7G GA NR 26 CK 182 35 0213 1642 = UTU TA3 3U6 3A4 7TA ... //9054	CW	(JPL)
M95	4243	16-2	1147	Fri	V V V V V HR 7G TO YR PSE CY NR 32 CK 140 35 0216 1530 = UTU TA6 3U6 3A4 TTU ... //9054	CW	(JPL)
M95	4364	13-2	1144	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0173 CK 43 35 0213 1622 = TTU N5U TA3 N53 TAD ...	CW	(JPL)
M95	4364	15-2	0011	Thu	i.p. NR 0185 CK 98 35 0215 0711 = TA5 3U4 3A4 TAU 773 356 ... AR A HR USB WK //8073	CW	(JPL)
M95	4364	16-2	1138	Fri	BNGC DE XSV85 HR 7G GA NR NR 0189 CK 180 35 0216 1624 = = TA6 3U6 3AN 3U7 TAU 773 353 (Cont'd)	CW	(JPL)
M95	5801	1-2	0241	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	5801	12-2	1101	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	7602	21-2	1436	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	7602	23-2	1430	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	7602	25-2	1409	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	7602	25-2	1421	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	7602	26-2	1827	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	8073	11-2	1157	Sun	i.p. TU6 773 353 4T3 NN3 437 46D ... AR	CW	(JPL)
M95	8073	13-2	1144	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0173 CK 43 35 0213 1622 = TTU N5U TA3 N53 TAD ...	CW	(JPL)

M95	8073	15-2	0011	Thu	i.p. NR 0185 CK 98 35 0215 0711 = TA5 3U4 3A4 TAU 773 356 ... AR A HR USB WK //4364	CW	(JPL)
M95	8073	16-2	1138	Fri	BNGC DE XSV85 HR 7G GA NR NR 0189 CK 180 35 0216 1624 = = TA6 3U6 3AN 3U7 TAU 773 353 (Cont'd)	CW	(JPL)
M95	9054	12-2	1146	Mon	i.p. A HR TO YR PSE CY NR 041 CK 30 35 0212 1510 = 5TD UTT TAU 3U6 7TA ... //4243	CW	(JPL)
M95	9054	13-2	1156	Tue	XSV85 i.p. A HR 7G GA NR 26 CK 182 35 0213 1642 = UTU TA3 3U6 3A4 7TA ... //4243	CW	(JPL)
M95	9054	16-2	1147	Fri	V V V V V HR 7G TO YR PSE CY NR 32 CK 140 35 0216 1530 = UTU TA6 3U6 3A4 TTU ... //4243	CW	(JPL)
M95	10180	1-2	0241	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	10180	26-2	0640	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95?	3051	2-2	1030	Fri	2XBX (x3) de GR7G (x2) V. CL and QSO with outstations 4PIK, 7JKG, MBJV, NK2D, XY2N, 6JSG, TKW2, OKJ1, SL4V, JPJ6	CW	(F5JBR-J)
MX	4558.1	7-2	1803	Wed	Beacon A, Astrakhan	CW	(WP3)
MX	5153.7	7-2	1729	Wed	Beacon D, Sevastopol	CW	(WP3)
MX	5153.9	7-2	1729	Wed	Beacon S: Severomorsk	CW	(WP3)
MX	5154.1	7-2	1729	Wed	Beacon A: Astrakhan	CW	(WP3)
MX	5342	3-1	1247	Wed	Beacon V	CW	(ES-POL)
MX	5342	9-1	1353	Tue	Beacon V	CW	(ES-POL)
MX	5342	12-1	1357	Fri	Beacon V	CW	(ES-POL)
MX	5342	20-1	0533	Sat	Beacon V	CW	(ES-RUS)
MX	7611	8-1	0530	Mon	Beacon V	CW	(ES-POL)
MX	7611	12-1	0530	Fri	Beacon V	CW	(ES-POL)
MX	7611	30-1	0443	Tue	Beacon V	CW	(ES-UKR)
MX	7611	6-2	0530	Tue	Beacon V	CW	(ES-POL)
MX	7611	28-2	1312	Wed	Beacon V	CW	(ES-RUS)
P03a	5371	4-2	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	4-2	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	6-2	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	6-2	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	11-2	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	11-2	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	13-2	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	13-2	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	18-2	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	18-2	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	20-2	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	20-2	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	5371	25-2	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	5371	25-2	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	6986	3-2	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	3-2	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	7-2	1435	Wed	Polish Intel.	BPSK-63	(AB)

P03a	6986	7-2	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	10-2	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	10-2	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	14-2	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	14-2	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	17-2	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	17-2	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	21-2	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	21-2	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	24-2	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	24-2	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	6986	28-2	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	6986	28-2	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	8680	2-2	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	2-2	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	9-2	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	9-2	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	16-2	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	16-2	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	18-2	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	8680	18-2	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	8680	23-2	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	23-2	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	8680	25-2	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	8680	25-2	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	10487	3-2	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	3-2	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	7-2	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	7-2	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	10-2	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	10-2	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	14-2	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	14-2	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	21-2	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	21-2	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	24-2	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	24-2	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	10487	28-2	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	10487	28-2	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	11100	5-2	1635	Mon	Polish Intel.	BPSK-63	(AB)

P03a	11100	5-2	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	9-2	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	9-2	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	12-2	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	12-2	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	16-2	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	16-2	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	19-2	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	19-2	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	23-2	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	23-2	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11100	26-2	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	11100	26-2	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	5-2	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	5-2	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	11-2	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	11-2	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	12-2	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	12-2	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	18-2	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	18-2	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	19-2	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	19-2	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	25-2	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	25-2	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	13470	26-2	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13470	26-2	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	13873	7-2	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	13873	7-2	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	13873	24-2	1500	Sat	Polish Intel.	BPSK-63	(AB)
P03a	13873	24-2	1505	Sat	Polish Intel.	BPSK-63	(AB)
P03a	16112	2-2	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	2-2	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	9-2	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	9-2	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	11-2	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	16112	11-2	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	16112	16-2	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	16-2	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	18-2	1440	Sun	Polish Intel.	BPSK-63	(AB)

P03a	16112	18-2	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	16112	23-2	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	23-2	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	16112	25-2	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	16112	25-2	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03b	4840	2-2	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	2-2	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	7-2	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	7-2	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	9-2	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	9-2	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	14-2	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	14-2	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	16-2	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	16-2	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	21-2	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	21-2	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	23-2	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	23-2	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	4840	28-2	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	4840	28-2	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	7-2	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	7-2	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	11-2	1120	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	11-2	1125	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	14-2	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	14-2	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	18-2	1120	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	18-2	1125	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	21-2	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	21-2	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	25-2	1120	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	25-2	1125	Sun	Polish Intel.	QPSK-63	(AB)
P03b	10800	28-2	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	10800	28-2	1125	Wed	Polish Intel.	QPSK-63	(AB)
Q26	4243	16-2	1145	Fri	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	16-2	1137	Fri	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	16-2	1137	Fri	Messages //4364	4+4 QPSK 75/3000	(JPL)

						LSB	
Q26	9054	16-2	1145	Fri	Messages //4243	4+4 QPSK 75/3000	(JPL)
						LSB	
RAv	11360	7-2	0919	Wed	Korsar calling 27251 (unid) w/no response. Calling again at 1030Z	USB	(RP-MD)
RAv	11360	8-2	0901	Thu	Korsar: Russian Air Force radiocheck with Proselok & calling several others for radiocheck which didn't reply	USB	(PR2)
RMv	5596	7-2	1010	Wed	Vorkuta w/23126 (MI-8MT Border Guards) reporting alt 100 mtrs	USB	(RP-MD)
RMv	7790	27-2	0620	Tue	Russian military station i.p., reading 5FGs. Several messages. Live transmissions	USB	(AB)
RNav	11354	7-2	0202	Wed	Izluchatel (Russian Pacific Fleet Naval Airbase, Nikolayevka) w/75336 (Russian Navy IL-18D) reporting landing at Point #5. Izluchatel relays flt info to Monolog (Naval Air Transports Eastern Sector, V	USB	(RP-MD)
RNv	8439	7-2	0113	Wed	Greyder (Russian Pacific Fleet HQS, Vladivostok) calling Lampas	USB	(RP-MD)
S06	3317	3-2	2100	Sat	263 263 263 00000	USB	(AB)
S06	3317	17-2	2100	Sat	263 263 263 00000	USB	(AB)
S06	3897	3-2	2000	Sat	263 263 263 00000	USB	(AB)
S06	3897	17-2	2000	Sat	263 263 263 00000	USB	(AB/MPJ)
S06	5305	2-2	2000	Fri	483 483 483 00000	USB	(AB/MPJ/HFD)
S06	5305	16-2	2000	Fri	483 483 483 00000	USB	(AB)
S06	6792	4-2	1730	Sun	480 375 44 61188 95389 50048 ... 96640 58228 64164 375 44 00000	USB	(qsr711)
S06	6792	6-2	1730	Tue	480 269 41 77479 03752 62892 ... 01994 73310 61447 269 41 00000	USB	(AB/HFD)
S06	6792	11-2	1730	Sun	480 137 44 64950 21574 35374 ... 47109 34818 96901 137 44 00000	USB	(AB)
S06	6792	13-2	1730	Tue	480 526 44 52066 01630 66200 ... 60429 13963 73321 526 44 00000	USB	(AB/MPJ/HFD)
S06	6792	18-2	1730	Sun	480 793 40 60191 55235 55110 ... 00691 33721 03136 793 40 00000	USB	(AB/MPJ)
S06	6792	20-2	1730	Tue	480 652 40 25259 82385 32074 ... 71635 06269 35975 652 40 00000	USB	(AB/MPJ)
S06	6792	25-2	1730	Sun	480 371 44 78430 31192 49124 ... 56660 57159 43347 371 44 00000	USB	(MPJ)
S06	6792	27-2	1730	Tue	480 962 45 26968 41395 63128 ... 72465 94685 14422 962 45 00000	USB	(MPJ)
S06	7523	2-2	1900	Fri	483 483 483 00000	USB	(AB/MPJ/HFD)
S06	7523	16-2	1900	Fri	483 483 483 00000	USB	(AB)
S06	8095	6-2	0930	Tue	343 189 20 94051 98593 02671 ... 06507 33197 80891 189 20 00000	USB	(kalv/qsr711/Arg/ES)
S06	8116	4-2	1700	Sun	480 375 44 61188 95389 50048 ... 96640 58228 64164 375 44 00000	USB	(qsr711)
S06	8116	6-2	1700	Tue	480 269 41 77479 03752 62892 ... 01994 73310 61447 269 41 00000	USB	(AB/HFD)
S06	8116	11-2	1700	Sun	480 137 44 64950 21574 35374 ... 47109 34818 96901 137 44 (no nulls at the end)	USB	(AB)
S06	8116	13-2	1700	Tue	480 526 44 52066 01630 66200 ... 60429 13963 73321 526 44 00000	USB	(AB/MPJ/HFD)
S06	8116	18-2	1700	Sun	480 793 40 60191 55235 55110 ... 00691 33721 03136 793 40 00000	USB	(AB/MPJ)
S06	8116	20-2	1700	Tue	480 652 40 25259 82385 32074 ... 71635 06269 35975 652 40 00000	USB	(AB/MPJ)
S06	8116	25-2	1700	Sun	480 371 44 78430 31192 49124 ... 56660 57159 43347 371 44 00000	USB	(MPJ)
S06	8116	27-2	1700	Tue	480 962 45 26968 41395 63128 ... 72465 94685 14422 962 45 00000	USB	(MPJ)
S06	9412	4-2	1030	Sun	480 375 44 61188 95389 50048 ... 96640 58228 64164 375 44 00000	USB	(qsr711)
S06	9412	6-2	1000	Tue	480 269 41 77479 03752 62892 ... 01994 73310 61447 269 41 00000	USB	(qsr711)
S06	9412	11-2	1030	Sun	480 137 44 64950 21574 35374 ... 47109 34818 96901 137 44 (no nulls at the end)	USB	(AB)

S06	9412	13-2	1030	Tue	480 526 44 52066 01630 66200 ... 60429 13963 73321 526 44 00000	USB	(AB/ES/HFD)
S06	9412	18-2	1030	Sun	480 793 40 60191 55235 55110 ... 00691 33721 03136 793 40 00000	USB	(AB)
S06	9412	20-2	1030	Tue	480 652 40 25259 82385 32074 ... 71635 06269 35975 652 40 00000	USB	(AB)
S06	9412	27-2	1030	Tue	480 962 45 26968 41395 63128 ... 72465 94685 14422 962 45 00000	USB	(AB)
S06	9946	6-2	0900	Tue	343 189 20 94051 98593 02671 ... 06507 33197 80891 189 20 00000	USB	(kalv/qsr711/Arg)
S06	11487	4-2	1000	Sun	480 375 44 61188 95389 50048 ... 96640 58228 64164 375 44 00000	USB	(qsr711)
S06	11487	6-2	1000	Tue	480 269 41 77479 03752 62892 ... 01994 73310 61447 269 41 00000	USB	(qsr711)
S06	11487	11-2	1000	Sun	480 137 44 64950 21574 35374 ... 47109 34818 96901 137 44 (no nulls at the end)	USB	(AB)
S06	11487	13-2	1000	Tue	480 526 44 52066	USB	(HFD)
S06	11487	13-2	1000	Tue	480 526 44 52066 01630 66200 ... 60429 13963 73321 526 44 00000	USB	(AB)
S06	11487	18-2	1000	Sun	480 793 40 60191 55235 55110 ... 00691 33721 03136 793 40 00000	USB	(AB)
S06	11487	20-2	1000	Tue	480 652 40 25259 82385 32074 ... 71635 06269 35975 652 40 00000	USB	(AB)
S06	11487	27-2	1005	Tue	Late start. Several restarts. 480 962 45 26968 41395 63128 ... 72465 94685 14422 962 45 00000	USB	(AB)
S06	15614	8-2	0930	Thu	842 167 39 21673 ...	USB	(HFD)
S06	17440	8-2	0830	Thu	842 167 39 21673 ...	USB	(HFD-RUS)
S06c	16123	21-2	1030	Wed	11087 (R4m)	USB	(Danix)
S06c	18749	21-2	1020	Wed	11087 (R4m)	USB	(Danix)
S06s	5035	6-2	1100	Tue	754 902 6 45330 41293 44460 93068 41916 39297 902 6 00000	USB	(AB-AUT)
S06s	5035	13-2	1100	Tue	754 902 6 45330 41293 44460 93068 41916 39297 902 6 00000	USB	(AB/MPJ)
S06s	5035	20-2	1100	Tue	754 820 6 32514 23800 25288 85892 44243 44488 820 6 00000	USB	(AB)
S06s	5035	27-2	1100	Tue	754 820 6 32514 23800 25288 85892 44243 44488 820 6 00000	USB	(AB/MPJ)
S06s	5250	6-2	0700	Tue	374 580 6 92959 46195 32087 84535 38618 32347 580 6 00000	USB	(AB)
S06s	5250	13-2	0700	Tue	374 580 6 92959 46195 32087 84535 38618 32347 580 6 00000	USB	(AB)
S06s	5250	20-2	0700	Tue	374 506 8 31514 23800 35288 85892 44243 45599 39495 43234 506 8 00000	USB	(AB)
S06s	5250	27-2	0700	Tue	374 506 8 31514 23800 35288 85892 44243 45599 39495 43234 506 8 00000	USB	(AB)
S06s	5660	6-2	1010	Tue	893 475 6 47840 14987 37986 36379 31366 44684 475 6 00000	USB	(AB)
S06s	5660	13-2	1010	Tue	893 475 6 47840 14987 37986 36379 31366 44684 475 6 00000	USB	(AB)
S06s	5660	20-2	1010	Tue	893 507 6 74663 96854 50941 58131 68342 18687 507 6 00000	USB	(AB)
S06s	5660	27-2	1010	Tue	893 507 6 74663 96854 50941 58131 68342 18687 507 6 00000	USB	(AB)
S06s	5765	2-2	0900	Fri	624 907 5 36330 31471 33619 37137 37908 907 5 00000	USB	(AB)
S06s	5765	9-2	0900	Fri	624 907 5 36330 31471 33619 37137 37908 907 5 00000	USB	(AB)
S06s	5765	16-2	0900	Fri	624 983 5 94372 34967 47332 35803 49980 983 5 00000	USB	(AB)
S06s	5765	23-2	0900	Fri	624 983 5 94372 34967 47332 35803 49980 983 5 00000	USB	(AB)
S06s	5975	6-2	1110	Tue	754 902 6 45330 41293 44460 93068 41916 39297 902 6 00000	USB	(AB-AUT)
S06s	5975	13-2	1110	Tue	754 902 6 45330 41293 44460 93068 41916 39297 902 6 00000	USB	(AB/MPJ)
S06s	5975	20-2	1110	Tue	754 820 6 32514 23800 25288 85892 44243 44488 820 6 00000	USB	(AB)
S06s	5975	27-2	1110	Tue	754 820 6 32514 23800 25288 85892 44243 44488 820 6 00000	USB	(AB/MPJ)
S06s	6315	2-2	0910	Fri	624 907 5 36330 31471 33619 37137 37908 907 5 00000	USB	(AB)
S06s	6315	9-2	0910	Fri	624 907 5 36330 31471 33619 37137 37908 907 5 00000	USB	(AB)

S06s	6315	16-2	0910	Fri	624 983 5 94372 34967 47332 35803 49980 983 5 00000	USB	(AB)
S06s	6315	23-2	0910	Fri	624 983 5 94372 34967 47332 35803 49980 983 5 00000	USB	(AB)
S06s	6320	6-2	0715	Tue	374 580 6 92959 46195 32087 84535 38618 32347 580 6 00000	USB	(AB)
S06s	6320	13-2	0715	Tue	374 580 6 92959 46195 32087 84535 38618 32347 580 6 00000	USB	(AB)
S06s	6320	20-2	0715	Tue	374 506 8 31514 23800 35288 85892 44243 45599 39495 43234 506 8 00000	USB	(AB)
S06s	6320	27-2	0715	Tue	374 506 8 31514 23800 35288 85892 44243 45599 39495 43234 506 8 00000	USB	(AB)
S06s	6440	6-2	1000	Tue	893 475 6 47840 14987 37986 36379 31366 44684 475 6 00000	USB	(AB)
S06s	6440	13-2	1000	Tue	893 475 6 47840 14987 37986 36379 31366 44684 475 6 00000	USB	(AB)
S06s	6440	20-2	1000	Tue	893 507 6 74663 96854 50941 58131 68342 18687 507 6 00000	USB	(AB)
S06s	6440	27-2	1000	Tue	893 507 6 74663 96854 50941 58131 68342 18687 507 6 00000	USB	(AB)
S06s	6845	6-2	1500	Tue	537 928 6 37532 34023 32175 48654 89844 43198 928 6 00000	USB	(AB)
S06s	6845	13-2	1500	Tue	537 928 6 37532 34023 32175 48654 89844 43198 928 6 00000	USB	(AB/MPJ)
S06s	6845	20-2	1500	Tue	537 918 6 93351 42191 30821 33725 37661 30885 918 6 00000	USB	(AB/MPJ)
S06s	6845	27-2	1500	Tue	537 918 6 93351 42191 30821 33725 37661 30885 918 6 00000	USB	(AB/MPJ)
S06s	7062	7-2	0830	Wed	464 235 7 35417 43943 43500 04711 97964 01368 81379 235 7 00000	USB	(AB)
S06s	7062	14-2	0830	Wed	464 235 7 35417 43943 43500 04711 97964 01368 81379 235 7 00000	USB	(AB)
S06s	7062	21-2	0830	Wed	464 832 5 30593 34746 34315 32217 47490 832 5 00000	USB	(AB)
S06s	7062	28-2	0830	Wed	464 832 5 30593 34746 34315 32217 47490 832 5 00000	USB	(AB)
S06s	7410	6-2	0730	Tue	427 936 5 90434 34037 43334 43758 49485 936 5 00000	USB	(AB)
S06s	7410	13-2	0730	Tue	427 936 5 90434 34037 43334 43758 49485 936 5 00000	USB	(AB)
S06s	7410	20-2	0730	Tue	427 513 6 33836 34717 84320 37795 38868 83332 513 6 00000	USB	(AB)
S06s	7410	27-2	0730	Tue	427 513 6 33836 34717 84320 37795 38868 83332 513 6 00000	USB	(AB)
S06s	8057	5-2	0830	Mon	371 590 6 43249 33666 38826 82999 47294 73579 590 6 00000	USB	(AB)
S06s	8057	12-2	0830	Mon	371 590 6 43249 33666 38826 82999 47294 73579 590 6 00000	USB	(AB)
S06s	8057	19-2	0830	Mon	371 528 6 35415 43943 43500 04711 97964 01368 528 6 00000	USB	(AB)
S06s	8057	26-2	0830	Mon	371 528 6 35415 43943 43500 04711 97964 01368 528 6 00000	USB	(AB)
S06s	8260	3-2	0810	Sat	254 907 6 46062 68672 97478 39685 30485 96632 907 6 00000	USB	(AB)
S06s	8417	7-2	0820	Wed	471 526 8 24317 68577 86237 76652 18206 83390 64021 75751 526 8 00000	USB	(AB)
S06s	8417	14-2	0820	Wed	471 526 8 24317 68577 86237 76652 18206 83390 64021 75751 526 8 00000	USB	(AB)
S06s	8417	21-2	0820	Wed	471 590 6 37661 30885 48702 38344 49334 85371 590 6 00000	USB	(AB)
S06s	8417	28-2	0820	Wed	471 590 6 37661 30885 48702 38344 49334 85371 590 6 00000	USB	(AB)
S06s	8420	5-2	1300	Mon	831 957 6 15690 85544 34558 49232 43249 33666 957 6 00000	USB	(AB)
S06s	8420	12-2	1300	Mon	831 957 6 15690 85544 34558 49232 43249 33666 957 6 00000	USB	(AB/MPJ)
S06s	8420	19-2	1300	Mon	831 560 7 61633 47776 74162 13534 66468 35655 85341 560 7 00000	USB	(AB/MPJ)
S06s	8420	26-2	1300	Mon	831 560 7 61633 47776 74162 13534 66468 35655 85341 560 7 00000	USB	(AB/MPJ)
S06s	8530	5-2	0840	Mon	371 590 6 43249 33666 38826 82999 47294 73579 590 6 00000	USB	(AB)
S06s	8530	12-2	0840	Mon	371 590 6 43249 33666 38826 82999 47294 73579 590 6 00000	USB	(AB)
S06s	8530	19-2	0840	Mon	371 528 6 35415 43943 43500 04711 97964 01368 528 6 00000	USB	(AB)
S06s	8530	26-2	0840	Mon	371 528 6 35415 43943 43500 04711 97964 01368 528 6 00000	USB	(AB)
S06s	8680	3-2	0800	Sat	254 907 6 46062 68672 97478 39685 30485 96632 907 6 00000	USB	(AB)

S06s	8812	1-2	0930	Thu	312 890 5 38922 46553 43814 45330 40293 890 5 00000	USB	(AB)
S06s	8812	8-2	0930	Thu	312 890 5 38922 46553 43814 45330 40293 890 5 00000	USB	(AB)
S06s	8812	15-2	0930	Thu	312 296 5 40244 36012 38323 47552 43630 296 5 00000	USB	(AB)
S06s	8812	22-2	0930	Thu	312 296 5 40244 36012 38323 47552 43630 stops	USB	(AB)
S06s	9170	6-2	1510	Tue	537 928 6 37532 34023 32175 48654 89844 43198 928 6 00000	USB	(AB)
S06s	9170	13-2	1510	Tue	537 928 6 37532 34023 32175 48654 89844 43198 928 6 00000	USB	(AB/MPJ)
S06s	9170	20-2	1510	Tue	537 918 6 93351 42191 30821 33725 37661 30885 918 6 00000	USB	(AB/MPJ)
S06s	9170	27-2	1510	Tue	537 918 6 93351 42191 30821 33725 37661 30885 918 6 00000	USB	(AB/MPJ)
S06s	9262	7-2	0830	Wed	471 526 8 24317 68577 86237 76652 18206 83390 64021 75751 526 8 00000	USB	(AB)
S06s	9262	14-2	0830	Wed	471 526 8 24317 68577 86237 76652 18206 83390 64021 75751 526 8 00000	USB	(AB)
S06s	9262	21-2	0830	Wed	471 590 6 37661 30885 48702 38344 49334 85371 590 6 00000	USB	(AB)
S06s	9262	28-2	0830	Wed	471 590 6 37661 30885 48702 38344 49334 85371 590 6 00000	USB	(AB)
S06s	9540	1-2	0940	Thu	312 890 5 38922 46553 43814 45330 40293 890 5 00000	USB	(AB)
S06s	9540	8-2	0940	Thu	312 890 5 38922 46553 43814 45330 40293 890 5 00000	USB	(AB)
S06s	9540	15-2	0940	Thu	312 296 5 40244 36012 38323 47552 43630 296 5 00000	USB	(AB)
S06s	9540	22-2	0940	Thu	312 296 5 40244 36012 38323 47552 43630 296 5 00000	USB	(AB)
S06s	10532	7-2	0840	Wed	464 235 7 35417 43943 43500 04711 97964 01368 81379 235 7 00000	USB	(AB)
S06s	10532	14-2	0840	Wed	464 235 7 35417 43943 43500 04711 97964 01368 81379 235 7 00000	USB	(AB)
S06s	10532	21-2	0840	Wed	464 832 5 30593 34746 34315 32217 47490 832 5 00000	USB	(AB)
S06s	10532	28-2	0840	Wed	464 832 5 30593 34746 34315 32217 47490 832 5 00000	USB	(AB)
S06s	10635	5-2	1310	Mon	831 957 6 15690 85544 34558 49232 43249 33666 957 6 00000	USB	(AB)
S06s	10635	12-2	1310	Mon	831 957 6 15690 85544 34558 49232 43249 33666 957 6 00000	USB	(AB/MPJ)
S06s	10635	19-2	1310	Mon	831 560 7 61633 47776 74162 13534 66468 35655 85341 560 7 00000	USB	(AB/MPJ)
S06s	10635	26-2	1310	Mon	831 560 7 61633 47776 74162 13534 66468 35655 85341 560 7 00000	USB	(AB/MPJ)
S06s	10920	1-2	1210	Thu	425 930 6 15690 85544 34558 49232 43249 33666 930 6 00000	USB	(AB/MPJ)
S06s	10920	8-2	1210	Thu	425 930 6 15690 85544 34558 49232 43249 33666 930 6 00000	USB	(AB/MPJ)
S06s	10920	15-2	1210	Thu	425 801 6 44755 16330 88418 30480 88650 34303 801 6 00000	USB	(AB/MPJ)
S06s	10920	22-2	1210	Thu	425 801 6 44755 16330 88418 30480 88650 34303 801 6 00000	USB	(AB/MPJ)
S06s	11532	6-2	0740	Tue	427 936 5 90434 34037 43334 43758 49485 936 5 00000	USB	(AB)
S06s	11532	13-2	0740	Tue	427 936 5 90434 34037 43334 43758 49485 936 5 00000	USB	(AB)
S06s	11532	20-2	0740	Tue	427 513 6 33836 34717 84320 37795 38868 83332 513 6 00000	USB	(AB)
S06s	11532	27-2	0740	Tue	427 513 6 33836 34717 84320 37795 38868 83332 513 6 00000	USB	(AB)
S06s	11535	7-2	0830	Wed	745 236 8 98539 43324 98306 33149 97660 58672 72400 67452 236 8 00000 (464 in the back-ground)	USB	(AB)
S06s	11535	14-2	0830	Wed	745 236 8 98539 43324 98306 33149 97660 58672 72400 67452 236 8 00000 (464 in the back-ground)	USB	(AB)
S06s	11535	21-2	0830	Wed	745 290 6 47272 46308 46945 43932 33590 88913 290 6 00000	USB	(AB)
S06s	11535	28-2	0830	Wed	745 290 6 47272 46308 46945 43932 33590 88913 290 6 00000	USB	(AB)
S06s	11780	2-2	0930	Fri	516 834 7 33725 37661 30885 48702 38344 94322 85371 834 7 00000	USB	(AB)
S06s	11780	9-2	0930	Fri	516 834 7 33725 37661 30885 48702 38344 94322 85371 834 7 00000	USB	(AB)

S06s	11780	16-2	0930	Fri	516 984 7 44220 83461 37596 41014 95384 33983 80343 984 7 00000	USB	(AB)
S06s	11780	23-2	0930	Fri	516 984 7 44220 83461 37596 41014 95384 33983 80343 984 7 00000	USB	(AB)
S06s	11830	7-2	0840	Wed	745 236 8 98539 43324 98306 33149 97660 58672 72400 67452 236 8 00000 (464 in the back-ground)	USB	(AB)
S06s	11830	14-2	0840	Wed	745 236 8 98539 43324 98306 33149 97660 58672 72400 67452 236 8 00000 (464 in the back-ground)	USB	(AB)
S06s	11830	21-2	0840	Wed	745 290 6 47272 46308 46945 43932 33590 88913 290 6 00000	USB	(AB)
S06s	11830	28-2	0840	Wed	745 290 6 47272 46308 46945 43932 33590 88913 290 6 00000	USB	(AB)
S06s	11945	6-2	0800	Tue	352 908 6 44780 44837 30694 39984 43478 33430 908 6 00000	USB	(AB)
S06s	11945	13-2	0800	Tue	352 908 6 44780 44837 30694 39984 43478 33430 908 6 00000	USB	(AB)
S06s	11945	20-2	0800	Tue	352 941 6 31283 40262 83558 44938 32567 47907 941 6 00000	USB	(AB)
S06s	11945	27-2	0800	Tue	352 941 6 31283 40262 83558 44938 32567 47907 941 6 00000	USB	(AB)
S06s	12155	1-2	1200	Thu	425 930 6 15690 85544 34558 49232 43249 33666 930 6 00000	USB	(AB/MPJ)
S06s	12155	8-2	1200	Thu	425 930 6 15690 85544 34558 49232 43249 33666 930 6 00000	USB	(AB/MPJ)
S06s	12155	15-2	1200	Thu	425 801 6 44755 16330 88418 30480 88650 34303 801 6 00000	USB	(AB/MPJ)
S06s	12155	22-2	1200	Thu	425 801 6 44755 16330 88418 30480 88650 34303 801 6 00000	USB	(AB/MPJ)
S06s	12365	7-2	1000	Wed	729 804 5 23375 56072 69640 67379 51606 804 5 00000	USB	(AnEur)
S06s	12365	14-2	1000	Wed	729 804 5 23375 56072 69640 67379 51606 804 5 00000	USB	(AB)
S06s	12365	21-2	1000	Wed	729 460 5 38922 46553 43814 45330 40293 460 5 00000	USB	(AB)
S06s	12365	28-2	1000	Wed	729 460 5 38922 46553 43814 45330 40293 460 5 00000	USB	(AB)
S06s	12570	2-2	0930	Fri	516 834 7 33725 37661 30885 48702 38344 94322 85371 834 7 00000	USB	(AB)
S06s	12570	9-2	0930	Fri	516 834 7 33725 37661 30885 48702 38344 94322 85371 834 7 00000	USB	(AB)
S06s	12570	16-2	0930	Fri	516 984 7 44220 83461 37596 41014 95384 33983 80343 984 7 00000	USB	(AB)
S06s	12570	23-2	0930	Fri	516 984 7 44220 83461 37596 41014 95384 33983 80343 984 7 00000	USB	(AB)
S06s	12830	5-2	0910	Mon	872 534 6 90434 34037 43334 43758 49485 49400 534 6 00000	USB	(AB)
S06s	12830	12-2	0910	Mon	872 534 6 90434 34037 43334 43758 49485 49400 534 6 00000	USB	(AB)
S06s	12830	19-2	0910	Mon	872 563 9 98539 43324 98306 33149 07660 58672 72400 87815 53148 563 9 00000	USB	(AB)
S06s	12830	26-2	0910	Mon	872 563 9 98539 43324 98306 33149 07660 58672 72400 87815 53148 563 9 00000	USB	(AB)
S06s	13195	6-2	0810	Tue	352 908 6 44780 44837 30694 39984 43478 33430 908 6 00000	USB	(AB)
S06s	13195	13-2	0810	Tue	352 908 6 44780 44837 30694 39984 43478 33430 908 6 00000	USB	(AB)
S06s	13195	20-2	0810	Tue	352 941 6 31283 40262 83558 44938 32567 47907 941 6 00000	USB	(AB)
S06s	13195	27-2	0810	Tue	352 941 6 31283 40262 83558 44938 32567 47907 941 6 00000	USB	(AB)
S06s	14240	6-2	0610	Tue	438 950 6 47272 46308 46905 34932 33590 88913 950 6 00000	USB	(AB-AUT)
S06s	14240	13-2	0610	Tue	438 950 6 47272 46308 46905 34932 33590 88913 950 6 00000	USB	(AB-UKR)
S06s	14240	20-2	0610	Tue	438 265 7 49349 44761 46908 59594 31551 36730 34408 265 7 00000	USB	(AB-POL)
S06s	14240	27-2	0610	Tue	438 265 7 49349 44761 46908 59594 31551 36730 34408 265 7 00000	USB	(AB-POL)
S06s	14280	7-2	1010	Wed	729 804 5 23375 56072 69640 67379 51606 804 5 00000	USB	(AnEur)
S06s	14280	14-2	1010	Wed	729 804 5 23375 56072 69640 67379 51606 804 5 00000	USB	(AB)
S06s	14280	21-2	1010	Wed	729 460 5 38922 46553 43814 45330 40293 460 5 00000	USB	(AB)
S06s	14280	28-2	1010	Wed	729 460 5 38922 46553 43814 45330 40293 460 5 00000	USB	(AB)

S06s	14675	5-2	0900	Mon	872 534 6 90434 34037 43334 43758 49485 49400 534 6 00000	USB	(AB-G)
S06s	14675	12-2	0900	Mon	872 534 6 90434 34037 43334 43758 49485 49400 534 6 00000	USB	(AB)
S06s	14675	19-2	0900	Mon	872 563 9 98539 43324 98306 33149 07660 58672 72400 87815 53148 563 9 00000	USB	(AB)
S06s	14675	26-2	0900	Mon	872 563 9 98539 43324 98306 33149 07660 58672 72400 87815 53148 563 9 00000	USB	(AB)
S06s	16145	6-2	0600	Tue	438 950 6 47272 46308 46905 34932 33590 88913 950 6 00000	USB	(AB-AUT)
S06s	16145	13-2	0600	Tue	438 950 6 47272 46308 46905 34932 33590 88913 950 6 00000	USB	(AB-UKR)
S06s	16145	20-2	0600	Tue	438 265 7 49349 44761 46908 59594 31551 36730 34408 265 7 00000	USB	(AB-POL)
S06s	16145	27-2	0600	Tue	438 265 7 49349 44761 46908 59594 31551 36730 34408 265 7 00000	USB	(AB-POL)
S11a	4828	6-2	0455	Tue	327/00	USB	(AB)
S11a	4828	23-2	0455	Fri	327/00	USB	(AB/BW3-FIN)
S11a	5082	4-2	2050	Sun	482/00	USB	(AB)
S11a	5082	7-2	2050	Wed	487/00	USB	(AB)
S11a	5082	11-2	2050	Sun	482/00	USB	(AB)
S11a	5082	14-2	2050	Wed	482/35 Vnimanije 63857 29667 29217 ... 12801 27426 79819 Vnimanije, rpt msg, konets	USB	(AB)
S11a	5082	18-2	2050	Sun	482/35 Vnimanije 63857 29667 29217 ... 12801 27426 79819 Vnimanije, rpt msg, konets	USB	(AB)
S11a	5082	21-2	2050	Wed	481/00	USB	(AB)
S11a	5082	25-2	2050	Sun	483/00	USB	(AB)
S11a	5082	28-2	2050	Wed	486/00	USB	(AB)
S11a	5815	2-2	1955	Fri	377/00	USB	(AB/MPJ)
S11a	5815	7-2	1955	Wed	376/00	USB	(AB/MPJ)
S11a	5815	9-2	1955	Fri	370/00	USB	(AB/MPJ)
S11a	5815	14-2	1955	Wed	371/00	USB	(AB/MPJ)
S11a	5815	16-2	1955	Fri	376/00	USB	(AB)
S11a	5815	21-2	1955	Wed	378/40 Vnimanije 71572 31155 48176 ... 02438 86819 95110 Vnimanije, rpt msg, konets	USB	(AB/MPJ)
S11a	5815	23-2	1955	Fri	378/40 Vnimanije 71572 31155 48176 ... 02438 86819 95110 Vnimanije, rpt msg, konets	USB	(AB/MPJ)
S11a	5815	28-2	1955	Wed	376/00	USB	(AB/MPJ)
S11a	7317	27-2	1020	Tue	466/00	USB	(AnEur)
S11a	7840	2-2	1020	Fri	421/00	USB	(AB)
S11a	7840	6-2	1020	Tue	422/00	USB	(AB)
S11a	7840	9-2	1020	Fri	424/00	USB	(AB)
S11a	7840	13-2	1020	Tue	426/32 Vnimanije 99295 80208 66728 ... 27930 95949 23997 Vnimanije, rpt msg, konets	USB	(AB)
S11a	7840	16-2	1020	Fri	426/32 Vnimanije 99295 80208 66728 ... 27930 95949 23997 Vnimanije, rpt msg, konets	USB	(AB)
S11a	7840	20-2	1020	Tue	426/00	USB	(AB)
S11a	7840	23-2	1020	Fri	420/00	USB	(AB)
S11a	7840	27-2	1020	Tue	426/00	USB	(AB)
S11a	10246	1-2	0735	Thu	387/00	USB	(AB)
S11a	10246	8-2	0735	Thu	382/00	USB	(AB)
S11a	10246	13-2	0735	Tue	389/00	USB	(AB)
S11a	10246	15-2	0735	Thu	389/00	USB	(AB)
S11a	10246	20-2	0735	Tue	389/39 Vnimanije 40456 47448 23330 ... 36986 00617 95789 Vnimanije, rpt msg, konets	USB	(AB)

S11a	10246	22-2	0735	Thu	389/39 Vnimanaye 40456 47448 23330 ... 36986 00617 95789 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10246	27-2	0735	Tue	383/00	USB	(AB)
S11a	10728	3-2	1540	Sat	563/00	USB	(AB)
S11a	10728	7-2	1540	Wed	561/00	USB	(AB/MPJ)
S11a	10728	10-2	1540	Sat	560/00	USB	(AB/GHn/MPJ)
S11a	10728	14-2	1540	Wed	569/00	USB	(AB/MPJ)
S11a	10728	17-2	1540	Sat	567/00	USB	(AB/GHn/MPJ)
S11a	10728	21-2	1540	Wed	564/32 Vnimanaye 80385 41198 19800 ... 29914 60578 80382 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	10728	24-2	1540	Sat	564/32 Vnimanaye 80385 41198 19800 ... 29914 60578 80382 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	10728	28-2	1540	Wed	564/00	USB	(AB/MPJ)
S11a	11486	7-2	1850	Wed	285/33 Vnimanaye 92009 04227 28261 ... 96576 12770 75158 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11486	14-2	1850	Wed	288/00	USB	(AB-GRC)
S11a	11486	21-2	1850	Wed	286/00	USB	(AB)
S11a	11486	28-2	1850	Wed	280/00	USB	(AB/MPJ)
S28	4625	2-2	0026	Fri	ZhUOZ 82605 KADENCIJa 9880 0943	USB	(Priyom)
S28	4625	2-2	0036	Fri	5274 76(?)78 VERTOLIST(?) 2103 2643	USB	(Priyom)
S28	4625	2-2	0100	Fri	ZhUOZ 38337 ????? KRITONozh 7321 9650	USB	(Priyom)
S28	4625	2-2	0107	Fri	ZhUOZ 98942 ??INSKI 4775 8925	USB	(Priyom)
S28	4625	2-2	0208	Fri	ZhUOZ ????? ZAKLEIVANIE 9273 7692	USB	(Priyom)
S28	4625	13-2	0804	Tue	701st Razhka Paramonov 88596 VYeKSHA 1760 8868. Marker off for a longer time	USB	(Priyom/Kalv)
S28	4625	13-2	0809	Tue	701st Razhka Paramonov 85348 GNYeTOHYeFT 6191 3430. Marker off for a longer time	USB	(Priyom/Kalv/Arg)
S28	4625	13-2	0812	Tue	701st Razhka Paramonov 71649 ZNACHyOk 1669 4535. Marker off for a longer time	USB	(Priyom/Kalv/Arg)
S28	4625	13-2	1031	Tue	701st Razhka Paramonov 93819 ZOTOPAPA 6479 2375	USB	(Priyom/Kalv)
S28	4625	13-2	1035	Tue	701st Razhka Paramonov 97023 ZDAN'Ye 8326 9314. Marker off for a longer time	USB	(Priyom/Kalv)
S28	4625	13-2	1041	Tue	701st Razhka Paramonov 24289 GRIMMYeR 6204 5060. Marker off for a longer time	USB	(Priyom)
S28	4625	19-2	1151	Mon	ZhUOZ 62 299 KIEVOShNEK 38 16 39 66	USB	(ES-POL)
S28	4625	19-2	1155	Mon	ZhUOZ 50 667 GNEVOMORG 52 21 52 09	USB	(ES-POL)
S30	3756	12-2	1648	Mon	Pip channel marker	USB	(AB)
S30	5448	11-2	0658	Sun	Pip channel marker	USB	(AB)
S30	5448	17-2	0750	Sat	Pip channel marker	USB	(AB)
S32	3828	12-2	1648	Mon	Squeaky wheel channel marker	USB	(AB)
S32	5474	17-2	0750	Sat	Squeaky Wheel channel marker	USB	(AB)
S4524	4524	7-2	2000	Wed	Dash channel marker	USB	(AB)
S6360	6360	13-2	1431	Tue	Goose channel marker	USB	(AB)
S6360	6360	21-2	0655	Wed	Goose channel marker	USB	(AB)
UM03	8250	21-2	0730	Wed	i.p. AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 2102 DATE 2102 = BQSKZ UWLOD MODFV PSJYB ZOQFI ... //8410 kHz	CW	(JPL-CHN)
UM03	8410	21-2	0730	Wed	i.p. AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 2102 DATE 2102 = BQSKZ UWLOD MODFV PSJYB ZOQFI ... //8250 kHz	CW	(JPL-CHN)
UM10	3210	21-1	1340	Sun	10-minutes net: 7CJK //3718 kHz	CW	(F5JBR-J)

UM10	3210	1-2	1010	Thu	10-minutes net: 7CJK //3718 kHz	CW	(F5JBR-J)
UM10	3210	1-2	1810	Thu	10-minutes net: 7CJK //3718 kHz	CW	(F5JBR-J)
UM10	3250	7-2	1906	Wed	10-mins net: VI4T (new freq)	CW	(JPL-CHN)
UM10	3250	9-2	1705	Fri	10-minutes net: VI4T	CW	(F5JBR-J)
UM10	3326	12-1	1850	Fri	10-minutes net: U34D //4112 kHz	CW	(F5JBR-J)
UM10	3326	20-1	0951	Sat	10-minutes net: U34D //4112 kHz	CW	(F5JBR-J)
UM10	3326	28-1	0950	Sun	10-minutes net: U34D //4112 kHz	CW	(F5JBR-J)
UM10	3326	1-2	0855	Thu	10-minutes net: U34D //4112 kHz	CW	(F5JBR-J)
UM10	3531	7-2	1913	Wed	10-mins net: JZZN //4310 kHz	CW	(JPL-CHN)
UM10	3531	9-2	1810	Fri	10-minutes net: JZZN //4310 kHz	CW	(F5JBR-J)
UM10	3531	11-2	1216	Sun	10-minutes net: JZZN //4310 kHz	CW	(JPL-J)
UM10	3718	12-1	0910	Fri	10-minutes net: 7CJK	CW	(F5JBR-J)
UM10	3718	12-1	1910	Fri	10-minutes net: 7CJK	CW	(F5JBR-J)
UM10	3718	20-1	0840	Sat	10-minutes net: 7CJK	CW	(F5JBR-J)
UM10	3718	21-1	1340	Sun	10-minutes net: 7CJK //3210 kHz	CW	(F5JBR-J)
UM10	3718	1-2	1010	Thu	10-minutes net: 7CJK //3210 kHz	CW	(F5JBR-J)
UM10	3718	1-2	1810	Thu	10-minutes net: 7CJK //3210 kHz	CW	(F5JBR-J)
UM10	4112	12-1	1850	Fri	10-minutes net: U34D //3326 kHz	CW	(F5JBR-J)
UM10	4112	20-1	0951	Sat	10-minutes net: U34D //3326 kHz	CW	(F5JBR-J)
UM10	4112	28-1	0950	Sun	10-minutes net: U34D //3326 kHz	CW	(F5JBR-J)
UM10	4112	1-2	0855	Thu	10-minutes net: U34D //3326 kHz	CW	(F5JBR-J)
UM10	4310	7-2	1913	Wed	10-mins net: JZZN //3531 kHz	CW	(JPL-CHN)
UM10	4310	9-2	1640	Fri	10-minutes net: JZZN	CW	(F5JBR-J)
UM10	4310	9-2	1810	Fri	10-minutes net: JZZN //6748 kHz	CW	(F5JBR-J)
UM10	4310	11-2	1216	Sun	10-minutes net: JZZN //3531 kHz	CW	(JPL-J)
UM10	4310	12-2	0840	Mon	10-minutes net: JZZN //6748 kHz	CW	(F5JBR-J)
UM10	4310	23-2	1419	Fri	10-minutes net: JZZN	CW	(JPL-J)
UM10	5869	10-2	0744	Sat	10-minutes net: DHTO	CW	(F5JBR-J)
UM10	5870	12-2	0805	Mon	10-minutes net: EDNJ	CW	(F5JBR-J)
UM10	5945	20-1	0720	Sat	10-minutes net: TPTS //6924 kHz	CW	(F5JBR-J)
UM10	5945	29-1	0820	Mon	10-minutes net: TPTS //6924 kHz	CW	(F5JBR-J)
UM10	5945	2-2	0750	Fri	10-minutes net: TPTS //6924 kHz	CW	(F5JBR-J)
UM10	6748	10-2	0741	Sat	10-minutes net: DHTO	CW	(F5JBR-J)
UM10	6748	12-2	0840	Mon	10-minutes net: JZZN //4310 kHz	CW	(F5JBR-J)
UM10	6924	20-1	0720	Sat	10-minutes net: TPTS //5945 kHz	CW	(F5JBR-J)
UM10	6924	29-1	0820	Mon	10-minutes net: TPTS //5945 kHz	CW	(F5JBR-J)
UM10	6924	2-2	0750	Fri	10-minutes net: TPTS //5945 kHz	CW	(F5JBR-J)
UM10	6983	20-1	2014	Sat	10-minutes net: AW3Z	CW	(F5JBR-J)
UM10	6983	28-1	0845	Sun	10-minutes net: 7CJK	CW	(F5JBR-J)
V07	14374	4-2	0140	Sun	183 183 183 1 8116 53 8116 53 00262 77433 76825 ... 93450 29972 00271 000 000	USB	(Dan)

V07	14374	18-2	0100	Sun	183 183 183 1 ...	USB	(Dan)
V07	15874	4-2	0120	Sun	183 183 183 1 8116 53 8116 53 00262 77433 76825 ... 93450 29972 00271 000 000	USB	(Dan)
V07	15874	11-2	0120	Sun	183 183 183 000	USB	(Dan)
V07	15874	18-2	0100	Sun	183 183 183 1 ...	USB	(Dan)
V07	15874	25-2	0120	Sun	183 183 183 000	USB	(Dan)
V07	18174	4-2	0100	Sun	183 183 183 1 8116 53 8116 53 00262 77433 76825 ... 93450 29972 00271 000 000	USB	(Dan)
V07	18174	11-2	0100	Sun	183 183 183 000	USB	(Dan)
V07	18174	18-2	0100	Sun	183 183 183 1 ...	USB	(Dan)
V07	18174	25-2	0100	Sun	183 183 183 000	USB	(Dan)
V13	8169	10-2	1120	Sat	New Star Broadcasting i.p.	AM	(JV)
V13	8169	10-2	1222	Sat	New Star Broadcasting i.p.	AM	(AB-NZL)
V13	8169	10-2	1227	Sat	New Star Broadcasting i.p.	AM	(K3DCW)
V13	8169	16-2	1200	Fri	New Star Broadcasting	AM	(AB)
V15	657	22-2	1615	Thu	Music followed by a message in Korean	AM	(W9SPY)
V24	5290	5-2	1430	Mon	Popsong Me Gustas Tu by GFriend followed by a message in Korean	AM	(MDK2/Token)
V24	5715	19-2	1500	Mon	Music followed by a message in Korean	AM	(AB-J)
V24	5715	26-2	1500	Mon	Message in Korean	AM	(MDK2)
V24	5715	26-2	1500	Mon	Music followed by a message in Korean	AM	(AB-J)
V26	4243	12-2	1205	Mon	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	4364	15-2	0020	Thu	Messages in Chinese. Female operator //8073	USB	(JPL)
V26	8073	15-2	0020	Thu	Messages in Chinese. Female operator //4364	USB	(JPL)
V26	9054	12-2	1205	Mon	Messages in Chinese. Female operator //4243	USB	(JPL)
V28	2933	11-2	0907	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3001	11-2	0907	Sun	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3049	11-2	0907	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3345	11-2	0839	Sun	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	11-2	0907	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3776	11-2	0945	Sun	Parrot. Male operator, tests: 1-2, 1-2, 1-2 ...	AM	(HK)
V28	4102	11-2	0940	Sun	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4473	24-2	2238	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	4494	8-2	2238	Thu	Parrot. Message in Korean	AM	(HK)
V28	4503	3-2	2235	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4512	25-2	2232	Sun	Parrot. Messages in Korean. Female operator. Spurs: 4503 kHz and 4521 kHz	AM	(HK)
V28	4624	3-2	2235	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4624	25-2	2232	Sun	Parrot. Messages in Korean. Female operator.	AM	(HK)
V28	4626	24-2	2238	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	4631	8-2	2238	Thu	Parrot. Message in Korean	AM	(HK)
V28	4952	25-2	2232	Sun	Parrot. Messages in Korean. Female operator.	AM	(HK)
V28	4959	24-2	2238	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	4985	3-2	2235	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)

V28	5166	3-2	2235	Sat	Parrot. Messages in Korean. Male operator	AM	(HK)
VC01	4769.5	16-2	0515	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	4770	2-2	0605	Fri	Chinese Robot i.p.	LSB	(AB)
VC01	4926	10-2	1231	Sat	Chinese Robot i.p.	USB	(K3DCW)
VC01	4926	12-2	1710	Mon	Chinese Robot	USB	(LA6LU-TWN)
VC01	7563.6	10-2	1230	Sat	Chinese Robot i.p.	LSB	(K3DCW)
VC01	7564	27-2	1923	Tue	Chinese Robot	LSB	(BW3-J)
VC01	7838	16-2	0515	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7838	23-2	0345	Fri	Chinese Robot	USB	(BW3-KOR)
X06	10161	5-2	0759	Mon	Mazielka. Sequence: 165324	MFSK-6	(Phi)
X06	11030	16-2	0912	Fri	Mazielka. Sequence: 324615	MFSK-6	(Danix)
X06	11136	27-2	1301	Tue	Mazielka. Sequence: 261453	MFSK-6	(ES-HOL)
X06	12089	1-2	1231	Thu	Mazielka. Sequence: 352416	MFSK-6	(Danix)
X06	12177	26-2	1246	Mon	Mazielka. Sequence: 364152	MFSK-6	(ES-HOL)
X06	12215	16-2	0956	Fri	Mazielka. Sequence: 361245	MFSK-6	(Danix)
X06	13448	1-2	0824	Thu	Mazielka. Sequence: 162543	MFSK-6	(Danix)
X06	13838	7-2	0805	Wed	Mazielka i.p. Sequence: 256341 Ended at 0807 UTC	MFSK-6	(AB)
X06	13979	7-2	1106	Wed	Mazielka. Sequence: 215346 Ended at 1118 UTC	MFSK-6	(Danix)
X06	14358	6-2	0935	Tue	Mazielka i.p. Sequence: 154263	MFSK-6	(ES-HOL)
X06	14595	18-2	0705	Sun	Mazielka. Sequence: 452163 07:05	MFSK-6	(SP1)
X06	16115	7-2	1118	Wed	Mazielka Sequence: 215346 Ended at 1128 UTC	MFSK-6	(Danix)
X06	16219	16-2	0938	Fri	Mazielka. Sequence: 324615	MFSK-6	(Danix)
X06b	4890	12-2	1211	Mon	Mazielka. Sequence 111666	MFSK-6	(ES-POL)
X06b	6857	5-2	1900	Mon	Mazielka. Sequence 111666 before E07	MFSK-6	(AB)
X06b	6857	19-2	1900	Mon	Mazielka. Sequence 111666 before E07	MFSK-6	(AB)
X06b	8094	8-2	0700	Thu	Mazielka	MFSK-6	(ES-POL)
X06b	8147	9-2	1537	Fri	Mazielka. Sequence: 616111 before E07a	MFSK-6	(AB)
X06b	8147	9-2	1542	Fri	Mazielka. Sequence: 616111 before E07a	MFSK-6	(AB)
X06b	8157	28-2	1952	Wed	Mazielka. Sequence: 616161 before E07	MFSK-6	(AB)
X06b	9347	9-2	1538	Fri	Mazielka. Sequence: 616111 before E07a	MFSK-6	(AB)
X06b	9347	9-2	1543	Fri	Mazielka. Sequence: 616111 before E07a	MFSK-6	(AB)
X06b	10112	4-2	0633	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	10112	4-2	0635	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	11112	4-2	0632	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	11112	4-2	0635	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	12112	4-2	0631	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	12112	4-2	0634	Sun	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	14538	25-2	1430	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	16161	2-2	1024	Fri	Mazielka. Sequence: 111666 before E07	MFSK-6	(AB)
X06b	16161	16-2	1039	Fri	Mazielka. Sequence: 666666 before E07	MFSK-6	(AB)

X06b	16338	4-2	1411	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	16338	6-2	1426	Tue	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	16338	6-2	1429	Tue	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	16338	25-2	1420	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	16338	25-2	1423	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	16338	25-2	1429	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
XPA	11409	5-2	0700	Mon	msg	MFSK-20/10Bd	(HFD)
XPA	11409	5-2	0700	Mon	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	11409	7-2	0700	Wed	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	11409	12-2	0700	Mon	456 456 456 000 09500 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA	11409	14-2	0700	Wed	456 456 456 000 04033 00001 00000 32657	MFSK-20/10Bd	(AB)
XPA	11409	19-2	0700	Mon	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	11409	21-2	0700	Wed	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	11409	26-2	0700	Mon	456 456 456 000 01223 00001 00000 33653	MFSK-20/10Bd	(AB)
XPA	11409	28-2	0700	Wed	456 456 456 000 08102 00001 00000 32660	MFSK-20/10Bd	(AB)
XPA	13509	5-2	0720	Mon	msg	MFSK-20/10Bd	(HFD)
XPA	13509	5-2	0720	Mon	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	13509	7-2	0720	Wed	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	13509	12-2	0720	Mon	456 456 456 000 09500 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA	13509	14-2	0720	Wed	456 456 456 000 04033 00001 00000 32657	MFSK-20/10Bd	(AB)
XPA	13509	19-2	0720	Mon	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	13509	21-2	0720	Wed	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	13509	26-2	0720	Mon	456 456 456 000 01223 00001 00000 33653	MFSK-20/10Bd	(AB)
XPA	13509	28-2	0720	Wed	456 456 456 000 08102 00001 00000 32660	MFSK-20/10Bd	(AB)
XPA	14609	5-2	0740	Mon	msg	MFSK-20/10Bd	(HFD)
XPA	14609	5-2	0740	Mon	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	14609	7-2	0740	Wed	456 456 456 1 00385 00207 ... 98996 04295 25045	MFSK-20/10Bd	(AB)
XPA	14609	12-2	0740	Mon	456 456 456 000 09500 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA	14609	14-2	0740	Wed	456 456 456 000 04033 00001 00000 32657	MFSK-20/10Bd	(AB)
XPA	14609	19-2	0740	Mon	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	14609	21-2	0740	Wed	456 456 456 1 00411 00177 76355 ... 10471 47023 63272	MFSK-20/10Bd	(AB)
XPA	14609	26-2	0740	Mon	456 456 456 000 01223 00001 00000 33653	MFSK-20/10Bd	(AB)
XPA	14609	28-2	0740	Wed	456 456 456 000 08102 00001 00000 32660	MFSK-20/10Bd	(AB)
XPA2	12137	5-2	0800	Mon	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	12137	7-2	0800	Wed	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	12137	12-2	0800	Mon	05742 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	12137	14-2	0800	Wed	03929 00001 00000 42255	MFSK-16/20Bd	(AB)
XPA2	12137	19-2	0800	Mon	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB/HFD)
XPA2	12137	21-2	0800	Wed	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB)
XPA2	12137	26-2	0800	Mon	02880 00001 00000 35162	MFSK-16/20Bd	(AB)

XPA2	12137	28-2	0800	Wed	09322 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	13538	4-2	1540	Sun	03131 00001 00000 10140	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	6-2	1540	Tue	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/HFD)
XPA2	13538	11-2	1540	Sun	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	13-2	1540	Tue	06472 00001 00000 34265	MFSK-16/20Bd	(AB/MCO/MPJ)
XPA2	13538	18-2	1540	Sun	06301 00001 00000 33256	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	20-2	1540	Tue	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	25-2	1540	Sun	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	27-2	1540	Tue	05763 00001 00000 36263	MFSK-16/20Bd	(AB/MPJ)
XPA2	13937	5-2	0820	Mon	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	13937	7-2	0820	Wed	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	13937	12-2	0820	Mon	05742 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	13937	14-2	0820	Wed	03929 00001 00000 42255	MFSK-16/20Bd	(AB)
XPA2	13937	19-2	0820	Mon	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB/HFD)
XPA2	13937	21-2	0820	Wed	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB)
XPA2	13937	26-2	0820	Mon	02880 00001 00000 35162	MFSK-16/20Bd	(AB)
XPA2	13937	28-2	0820	Wed	09322 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	14538	4-2	1520	Sun	03131 00001 00000 10140	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14538	6-2	1520	Tue	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/HFD)
XPA2	14538	11-2	1520	Sun	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/Dan)
XPA2	14538	13-2	1520	Tue	06472 00001 00000 34265	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	18-2	1520	Sun	06301 00001 00000 33256	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14538	20-2	1520	Tue	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	25-2	1520	Sun	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	14538	27-2	1520	Tue	05763 00001 00000 36263	MFSK-16/20Bd	(AB/MPJ)
XPA2	14558	2-2	0700	Fri	09110 00149 03577 ... 51099 72912 27152	MFSK-16/20Bd	(AB/HFD)
XPA2	14558	6-2	0700	Tue	09682 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14558	9-2	0700	Fri	07706 00001 00000 37657	MFSK-16/20Bd	(AB)
XPA2	14558	13-2	0700	Tue	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	14558	16-2	0700	Fri	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	14558	20-2	0700	Tue	07077 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	14558	23-2	0700	Fri	04819 00001 00000 40646	MFSK-16/20Bd	(AB)
XPA2	14558	27-2	0700	Tue	06529 00101 99177 ... 37728 30587 06665	MFSK-16/20Bd	(AB)
XPA2	14737	5-2	0840	Mon	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	14737	7-2	0840	Wed	05884 00185 14708 ... 38146 58420 42760	MFSK-16/20Bd	(AB)
XPA2	14737	12-2	0840	Mon	05742 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	14737	14-2	0840	Wed	03929 00001 00000 42255	MFSK-16/20Bd	(AB)
XPA2	14737	19-2	0840	Mon	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB/HFD)
XPA2	14737	21-2	0840	Wed	00194 00165 48402 ... 07256 25232 46330	MFSK-16/20Bd	(AB)
XPA2	14737	26-2	0840	Mon	02880 00001 00000 35162	MFSK-16/20Bd	(AB)

XPA2	14737	28-2	0840	Wed	09322 00001 00000 33663	MFSK-16/20Bd	(AB)
XPA2	15958	2-2	0720	Fri	09110 00149 03577 ... 51099 72912 27152	MFSK-16/20Bd	(AB/HFD)
XPA2	15958	6-2	0720	Tue	09682 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15958	9-2	0720	Fri	07706 00001 00000 37657	MFSK-16/20Bd	(AB)
XPA2	15958	13-2	0720	Tue	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	15958	16-2	0720	Fri	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	15958	20-2	0720	Tue	07077 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	15958	23-2	0720	Fri	04819 00001 00000 40646	MFSK-16/20Bd	(AB)
XPA2	15958	27-2	0720	Tue	06529 00101 99177 ... 37728 30587 06665	MFSK-16/20Bd	(AB)
XPA2	16212	2-2	1440	Fri	02957 00095 54793 ... 87150 08526 46734	MFSK-16/20Bd	(AB)
XPA2	16212	3-2	1440	Sat	02957 00095 54793... 87150 08526 46734	MFSK-16/20Bd	(MPJ)
XPA2	16212	9-2	1440	Fri	08571 00001 00000 34267	MFSK-16/20Bd	(AB)
XPA2	16212	10-2	1440	Sat	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	16212	16-2	1440	Fri	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/MPJ)
XPA2	16212	17-2	1440	Sat	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/GHn/MPJ)
XPA2	16212	23-2	1440	Fri	05929 00001 00000 42257	MFSK-16/20Bd	(AB/MPJ)
XPA2	16212	24-2	1440	Sat	09661 00001 00000 34667	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	4-2	1500	Sun	03131 00001 00000 10140	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16338	6-2	1500	Tue	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/HFD)
XPA2	16338	11-2	1500	Sun	01006 00079 65526 ... 65963 40513 42076	MFSK-16/20Bd	(AB/Dan)
XPA2	16338	13-2	1500	Tue	06472 00001 00000 34265	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	18-2	1500	Sun	06301 00001 00000 33256	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16338	20-2	1500	Tue	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	25-2	1500	Sun	00159 00081 28759 ... 72448 72741 73653	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	16338	27-2	1500	Tue	05763 00001 00000 36263	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	17419	2-2	1420	Fri	02957 00095 54793 ... 87150 08526 46734	MFSK-16/20Bd	(AB)
XPA2	17419	3-2	1420	Sat	02957 00095 54793... 87150 08526 46734	MFSK-16/20Bd	(MPJ)
XPA2	17419	9-2	1420	Fri	08571 00001 00000 34267	MFSK-16/20Bd	(AB/HFD)
XPA2	17419	10-2	1420	Sat	01118 00001 00000 35652	MFSK-16/20Bd	(AB/MPJ)
XPA2	17419	16-2	1420	Fri	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/MPJ)
XPA2	17419	17-2	1420	Sat	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/MPJ)
XPA2	17419	23-2	1420	Fri	05929 00001 00000 42257	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	17419	24-2	1420	Sat	09661 00001 00000 34667	MFSK-16/20Bd	(AB/MPJ)
XPA2	17458	2-2	0740	Fri	09110 00149 03577 ... 51099 72912 27152	MFSK-16/20Bd	(AB/HFD)
XPA2	17458	6-2	0740	Tue	09682 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17458	9-2	0740	Fri	07706 00001 00000 37657	MFSK-16/20Bd	(AB/HFD)
XPA2	17458	13-2	0740	Tue	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	17458	16-2	0740	Fri	05719 00185 71891 ... 03704 17966 57316	MFSK-16/20Bd	(AB)
XPA2	17458	20-2	0740	Tue	07077 00001 00000 33666	MFSK-16/20Bd	(AB)
XPA2	17458	23-2	0740	Fri	04819 00001 00000 40646	MFSK-16/20Bd	(AB)

XPA2	17458	27-2	0740	Tue	06529 00101 99177 ... 37728 30587 06665	MFSK-16/20Bd	(AB)
XPA2	18667	2-2	1400	Fri	02957 00095 54793 ... 87150 08526 46734	MFSK-16/20Bd	(AB)
XPA2	18667	3-2	1400	Sat	02957 00095 54793... 87150 08526 46734	MFSK-16/20Bd	(MPJ/RL)
XPA2	18667	9-2	1400	Fri	08571 00001 00000 34267	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	18667	10-2	1400	Sat	01118 00001 00000 35652	MFSK-16/20Bd	(AB/MPJ)
XPA2	18667	16-2	1400	Fri	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/GHn/MPJ)
XPA2	18667	17-2	1400	Sat	09261 00069 96985 ... 85528 10559 37111	MFSK-16/20Bd	(AB/MPJ)
XPA2	18667	23-2	1400	Fri	05929 00001 00000 42257	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	18667	24-2	1400	Sat	09661 00001 00000 34667	MFSK-16/20Bd	(AB/MPJ)
XSL	4153	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	4231.5	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	4291	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	6250	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	6417	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	6445	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	8313	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	8588	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)
XSL	8703.5	20-2	1738	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-NZL)

CONTRIBUTORS

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AB-AUT	Ary Boender via remote rx Austria	HK	Hiroyuki Komatsubara, Japan
AB-CHN	Ary Boender via remote rx China	JPL	JPL, Ontario, Canada (and various remote rx)
AB-G	Ary Boender via remote rx UK	JPL-CHN	JPL via remote rx China
AB-GRC	Ary Boender via remote rx Greece	JPL-J	JPL via remote rx Japan
AB-J	Ary Boender via remote rx Japan	JU	Jay Updike, W. Europe
AB-KOR	Ary Boender via remote rx South Korea	K3DCW	Dave Wright, MD, USA
AB-NZL	Ary Boender via remote rx New Zealand	Kalv	Kalvados
AB-POL	Ary Boender via remorx Poland	MCO	Mike Chace-Ortiz, PA, USA
AB-RUS	Ary Boender via remote rx Russia	MDK2	MDK2, USA
AB-UKR	Ary Boender via remote rx Ukraine	MPJ	Jim, SW England
AB-USA	Ary Boender via remote rx USA	MPJ-AUT	Jim via remote rx Austria
AnEur	Anonymous Europe	MPJ-HOL	Jim via remote rx Netherlands
Arg	Argonn, Poland (via Priyom)	MPJ-RUS	Jim via remote rx Russia
BW3-J	Barry Williams via remote rx Japan	Phi	Philby
BW3-KOR	Barry Williams via remote rx South Korea	PR2	Patrick Robic, Austria
Dan	Daniel, Argentina	Priyom	Priyom.org
Danix	Danix111, Poland	PW2	Parkeerwacht, The Netherlands
dmhz-ISR	DoktorMHz via remote rx Israel	qsr711	QSR711
ES	Edward Smith, UK	RL	Landolpho, Brazil
ES-HOL	Edward Smith via remote rx Netherlands	RP-MD	Ron Perron, MD, USA
ES-I	Edward Smith via remote rx Italy	RR2	Rich Ray, IL, USA
ES-POL	Edward Smith via remote rx Poland	S1	Sierra1
ES-S	Edward Smith via remote rx Sweden	SP1	Sylvain, France
ES-UKR	Edward Smith via remote rx Ukraine	Token	T!, CA, USA
EW	Eddy Waters, Australia	W9SPY	Curt
F5JBR-J	F5JBR André via remote rx Japan	WP3	Wolfgang Palmberger

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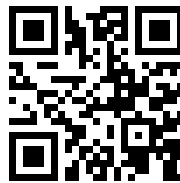
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57 68768 68762 34234 34238 68768 62342 68772 68768 22
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190 87698 68876 87698 49876 87612 12345 34867 86798 81
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