

27364	92836	09428	01208	14982	46498	32764	31277
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	76587	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #275, August 2020

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.



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FOREWORD

A sad trip down memory lane ***August 14th, 1967 and August 31st, 1974***

I flipped through a number of old radio magazines the other day, and read some articles about the demise of the offshore radio stations. On August 31st it was 46 years ago that my all-time favourite radio station, Radio Veronica, was forced to close down. I was a big fan of the offshore stations. I daily listened to Radio Veronica, Radio Caroline, and Radio Northsea International. I was 13 and 20 years old when the British and Dutch governments killed all these wonderful stations. The British were first. Their Marine Broadcasting Offences Act came into effect on August 14th, 1967. The act had the practical effect of making it illegal to run a pirate radio station from the UK and its waters, which made staffing, supplying and administering the stations impossible.



Radio 227, Radio City, Swinging Radio England, Radio 390, Radio 355 (ex Britain Radio), Radio London, and Radio Scotland closed down on August 14th, 1967. Radio Caroline North and Radio Caroline South (ex Radio Atlanta) went on till March 1968 but then also closed down. Caroline returned in 1972.

The Strassbourg Act, ratified by the Dutch government, came in effect on September 1st, 1974 and killed the remaining offshore stations that transmitted off the Dutch coast. Radio Veronica, Radio Northsea International and Radio Atlantis closed down on 31 August 1974. Again, Radio Caroline continued broadcasting but was hard to hear where I lived because it moved to a position out of the Dutch territorial waters.

Caroline stopped and returned several times and finally closed down in 1991. It now transmits legally from the UK. A legal version of Radio Veronica still transmits in Holland but cannot stand up to the old offshore station. Over the years, new offshore stations came on the air but after a while they all disappeared.

December 31st, 1988, marked another black day in radio history. Following the introduction of the Radio and Television Act, 1988 as many as 70 Irish pirate stations all over Ireland went off air. Amongst them were three immensely popular, professional stations: Radio Dublin, Sunshine Radio and Radio Nova. Some of the Irish stations are now broadcasting legally.

About one year later the Soviet Union collapsed which was again the start of the close down of many stations, no pirate stations this time but numbers stations. Many, but not all....

Enjoy N&O and keep your logs coming!

VOICE STATIONS

E06

13540 kHz, 06-08/07-08, 0500 UTC

16115 kHz, 06-08/07-08, 0600 UTC

210 937 51

10384 11883 77731 61854 97519 78517 60895 03717 17322 32082

10762 09649 61924 89468 67918 38243 77436 22220 70031 52606

28295 72023 98077 95289 90614 11232 47674 88701 72987 40581

86451 65686 88149 41314 83386 59976 23976 23877 21057 11190

87224 40388 26736 64066 18469 53069 83274 66634 01664 75810

05711

937 51 00000

5936 kHz, 06-08, 2030 UTC

724 127 37

51237 20384 21680 37746 12146 75462 05150 24548 55791 21357
74651 51423 84514 84547 51354 57781 20350 84102 65691 55164
50548 44720 55125 84623 71325 88450 17432 95354 22154 63254
02157 84548 51245 51494 99545 20247 88475
127 37 00000

5727 kHz, 07-08, 2130 UTC

315 127 37

51237 20384 21680 37746 12146 75462 05150 24548 55791 21357
74651 51423 84514 84547 51354 57781 20350 84102 65691 55164
50548 44720 55125 84623 71325 88450 17432 95354 22154 63254
02157 84548 51245 51494 99545 20247 88475
127 37 00000

13540 kHz, 20-08/21-08, 0500 UTC**16115 kHz, 20-08/21-08, 0600 UTC**

210 867 53

80426 49846 82301 63485 49504 32965 06369 25310 61684 87182
34173 98604 52937 34415 60625 59552 87345 85965 71705 60397
12832 89928 25248 52101 68166 34947 13457 15683 33417 71245
11854 25690 41059 34896 44328 94231 89902 86238 19004 69025
29050 98402 14580 83874 04059 56856 21854 85030 82491 55937
70109 81871 01058
867 53 00000

E07**13519/14819/15919 kHz, 01-08, 1410/1430/1450 UTC**

288 288 288 1 534 35 534 35

44868 23061 30812 60063 17000 54716 68830 01678 81599 96256
41549 04099 69875 43140 07927 79925 65826 84985 85887 13275
71845 23703 29796 56839 75743 68045 00712 56629 69975 02907
79998 73440 34432 16894 92107 000 000

16147/14647/13447 kHz, 03-08/05-08, 1900/1920/1940 UTC

164 164 164 1 340 59 340 59

00095 77943 44522 32095 30275 77698 21636 56452 83889 27603
88123 43573 02621 41905 49477 85612 15674 37369 72248 13762
10516 21244 68413 49005 44916 38493 63290 18371 60274 23251
13541 83178 40536 93479 28747 43399 83148 46907 69292 32167
29473 21482 70082 32490 33338 70545 82543 22051 81293 04525
97854 99230 05487 41109 51077 58341 86883 97201 92199 000 000

16246/18446/19246 kHz, 11-08/13-08/25-08/28-08, 0700/0720/0740 UTC

242 242 242 1 102 58 102 58

33979 29164 41811 15721 11392 78253 54966 08378 59590 27114
02339 63989 34909 79076 09803 03148 03074 43138 67627 18871
77365 27635 06347 71499 15818 60147 82948 19692 60098 75143
05091 59356 15756 97766 57613 67179 14944 87326 29609 81223
21058 66603 21144 79034 45908 63792 83570 39415 90527 09182
50915 47306 64472 06700 06497 31117 48439 51275 000 000

20146/18246/16346 kHz, 11-08/14-08/18-08/21-08, 1100/1120/1140 UTC

123 123 123 1 603 98 603 98
15602 14029 13513 25645 26443 44101 96530 84924 47595 55019
52282 90353 46175 15300 27961 80986 57478 73016 92056 99801
51571 34713 16362 83598 35219 16601 69855 12475 29750 00775
78854 63613 69955 59828 74562 51527 41189 16350 66927 69636
18725 78590 48205 33877 48784 24474 95551 53246 43962 38804
65003 78397 59861 27015 77149 51487 35543 15637 78977 32059
38701 36630 47185 09339 58420 08080 12642 82583 64693 23374
77488 03788 68525 24482 91498 79012 14398 05258 72847 97897
71349 75260 14582 65705 61004 46947 36309 35684 71929 29486
36868 10397 04520 05035 49793 59588 25845 10272 000 000

16147/14647/13447 kHz, 17-08/19-08, 1900/1920/1940 UTC

164 164 164 1 460 115 460 115
35085 30365 74806 37916 55924 09369 83652 50674 75801 84478
60276 32913 71863 83697 09267 11437 82077 68125 11192 23613
42801 76745 67542 30956 49616 88285 30749 94068 63095 85270
37614 16845 34424 47125 78159 64886 98399 86356 96328 54044
36441 81839 37265 49085 12037 11742 15662 80239 82978 69335
14836 08646 34503 52391 50709 57476 18304 26122 12935 91359
24109 67641 73586 21713 51362 14064 16304 65412 89626 21430
43056 19160 92049 66681 06005 00442 03003 09781 14541 26172
93109 81930 45763 54367 51568 62829 80199 64274 42097 48101
88196 53852 37042 54302 88141 56515 94712 48074 98928 67347
46399 44531 42167 81574 98403 51802 52087 35086 06517 94840
11712 60079 15278 86138 34956 000 000

13519/14819/15919 kHz, 27-08/29-08, 1410/1430/1450 UTC

288 288 288 1 7493 79 7493 79
52130 17913 99633 50127 66549 94719 13911 17823 45116 87152
54342 56027 17327 63668 94586 90084 05155 50387 37442 75043
57371 76679 93211 88508 79484 24963 10213 88515 98085 27520
15748 17290 23800 24213 71018 39823 60708 90045 81092 36428
11973 50115 33537 25968 29854 93547 53892 47382 48162 30615
49083 62269 76556 38859 09650 01604 68529 90970 46800 77004
95511 60211 97936 83843 57965 54321 68257 55495 59986 21616
73345 93996 34940 03884 21854 34591 65830 53228 84441 000 000

E07a

12166/10766/9266 kHz, 19-08, 2000/2020/2040 UTC

172 172 172 1 32926 1346 95 1346 95
10940 45001 66137 98742 68817 68010 41572 66088 09328 19207
82008 33602 48518 96730 98196 03189 09463 28669 93989 01813
83378 09874 70559 53426 24683 85561 99644 63838 29300 30967
39928 89606 64005 93267 55742 51096 23530 62632 36905 90559
82536 74032 29773 76963 47673 58734 51582 20601 18106 04112
61545 14718 57415 42790 99307 94059 30746 48574 82641 82623
23682 24002 37108 15898 94060 48302 87339 70585 64620 85173
33524 93675 98767 08477 93036 21750 27846 95697 21607 81186
01286 18406 18431 98535 58283 36200 23904 61931 22759 44654
40188 92073 95605 44140 46337 000 000

7399/9133/10233 kHz, 20-08, 0430/0450/0510 UTC

912 912 912 1 32926 1346 95 1346 95
10940 45001 66137 98742 68817 68010 41572 66088 09328 19207
82008 33602 48518 96730 98196 03189 09463 28669 93989 01813
83378 09874 70559 53426 24683 85561 99644 63838 29300 30967
39928 89606 64005 93267 55742 51096 23530 62632 36905 90559
82536 74032 29773 76963 47673 58734 51582 20601 18106 04112
61545 14718 57415 42790 99307 94059 30746 48574 82641 82623
23682 24002 37108 15898 94060 48302 87339 70585 64620 85173
33524 93675 98767 08477 93036 21750 27846 95697 21607 81186
01286 18406 18431 98535 58283 36200 23904 61931 22759 44654
40188 92073 95605 44140 46337 000 000

E11a

7449 kHz, 03-08, 0900 UTC

530/32 Attention
32936 92563 24384 13196 84921 36445 00401 04222 99808 55971
54498 49681 62992 90781 52083 85006 57579 14792 64034 86559
31733 37387 77114 64522 99759 77021 99888 05109 73586 12599
18678 70360
Attention (message repeated) Out

13424 kHz, 04-08/06-08, 0645 UTC

518/33 Attention
12824 90471 82340 13630 86708 61452 77781 55389 31419 88425
47133 46464 27548 65268 20030 92778 94959 28600 40595 27341
90071 65171 22642 31915 42701 07770 80854 65057 14194 84549
77313 92714 47889
Attention (message repeated) Out

10429 kHz, 04-08, 0715 UTC

632/49 Attention
37700 45722 71152 25061 09750 13713 59589 74389 18971 04067
98537 15119 11920 08859 04621 73749 93819 70378 44487 55362
77717 21416 82920 20215 14590 01170 56370 30084 23123 38131
08587 11987 36427 53328 24808 24362 50352 49023 02872 07773
91935 68376 97115 72028 41565 53815 15351 37072 83852
Attention (message repeated) Out

8180 kHz, 04-08/07-08, 1000 UTC

308/26 Attention
60350 31075 67308 94416 30906 73469 96271 28687 13964 18088
03724 05338 42599 78863 34323 23722 25291 20715 31054 94113
57689 04858 94860 73260 80216 66732
Attention (message repeated) Out

5371 kHz, 04-08/09-08, 1605 UTC

232/40 Attention
70581 55830 69515 88661 95462 74100 73933 48097 10914 72285
64226 11058 62374 15590 68700 70801 48360 35264 98593 64828
94090 76919 04817 30245 35103 93370 93381 00475 92785 85056
07024 53581 46464 97531 24454 77221 83960 28138 01841 44683
Attention (message repeated) Out

5149 kHz, 05-08/07-08, 1135 UTC

370/35 Vnimaniye

15511 58695 66150 90663 94493 52512 13785 24671 84447 44442
38689 59250 53432 26235 44601 15684 97612 04890 65255 73286
37599 97349 97681 27943 87983 47636 15279 30717 66710 83261
70959 65800 67191 41451 09774

Vnimaniye (message repeated) Konets

6304 kHz, 05-08, 1205 UTC

469/45 Attention

40223 79577 (I missed part of the transmission)

82091 92519 58041 43584 03255 48725 33961 40681 39982 94735
77938 39001 42747 16016 24869 24904 66816 70908 91982 45597
24303 33913 31185 68161 06480 56050 89386 25318 53215 22281
42434 90587 86667 30046 70959

Attention (message repeated) Out

9610 kHz, 09-08, 1910 UTC

610/35 Attention

93436 62272 70003 29858 61760 45445 46757 96863 78551 30416
70684 47943 50064 72162 66827 97109 45961 19607 02843 39165
39671 44262 95019 54207 79164 12630 13869 80638 88217 75419
06088 25845 81822 36097 24701

Attention (message repeated) Out

9610 kHz, 10-08, 0745 UTC

261/38 Attention

42972 86836 11942 05807 87199 93890 67577 03516 03574 89972
61901 30563 71183 84429 64539 17776 02008 92887 20021 56102
66424 24044 83733 12286 56576 88725 39474 36024 98313 56220
50138 63679 97784 28218 46410 36578 29331 67798

Attention (message repeated) Out

7449 kHz, 10-08, 0900 UTC

539/44 Attention

86755 45644 02730 44214 19698 49026 14700 17867 26574 89984
60761 11601 58844 35345 84043 45289 12889 05892 15599 22045
04288 48249 54583 60461 91281 75827 73454 20926 16846 95246
46788 43517 06301 99021 23946 39881 81601 71773 70029 70951
14195 45539 05572 73838

Attention (message repeated) Out

14410 kHz, 10-08/16-08, 1745 UTC

249/33 Attention

10041 83763 21796 06148 12798 99441 21197 87790 70870 37289
20473 92453 10232 08469 93195 31062 49817 08321 66166 57382
93951 99395 84415 48844 22769 72049 16408 95841 99344 41080
41678 99239 37249

Attention (message repeated) Out

12153 kHz, 11-08/13-08, 0845 UTC

155/34 Attention

54930 41377 66405 13880 87197 15453 53328 00793 63130 38006
88426 84314 17351 22769 52613 74023 97948 38211 89065 90002
86487 91279 95274 18724 28640 08863 50577 94574 21301 35932
81994 42861 99330 74803

Attention (message repeated) Out

6304 kHz, 11-08, 1205 UTC

467/45 Attention

40223 79577 71210 81455 74976 91604 16239 48255 08559 59837
82091 92519 58041 43484 03255 48725 33961 40681 39982 94735
77938 39001 42747 16016 24869 24904 66816 70908 91982 45597
24303 33913 31185 68161 06480 56050 89386 25318 53215 22281
42434 90587 86667 30046 70959

Attention (message repeated) Out

12984 kHz, 11-08/15-08, 1345 UTC

917/30 Attention

04852 40820 04555 52073 86287 70536 83753 12700 20028 02780
62377 34260 51795 19581 17711 79877 92431 47630 73465 99662
26564 47342 86363 10493 05816 47829 69586 72254 00470 95964

Attention (message repeated) Out

7449 kHz, 12-08, 0900 UTC

531/44 Attention

86755 45644 02730 44214 19698 49026 14700 17867 26574 89984
60761 11601 58844 35345 84043 45289 12889 05892 15599 22045
04288 48249 54583 60461 91281 75827 73454 20926 16846 95246
46788 43517 06301 99021 23946 39881 81601 71773 70029 70951
14195 45539 05572 73838

Attention (message repeated) Out

10356 kHz, 13-08, 1530 UTC

261/38 Attention

42972 86836 11942 05807 87199 93890 67577 03516 03574 89972
61901 30563 71183 84429 64539 17776 02008 92887 20021 56102
66424 24044 83733 12286 46576 88725 39474 36024 98313 56220
50138 63679 97784 28218 46410 36578 29331 67798

Attention (message repeated) Out

5082 kHz, 15-08/16-08, 1930 UTC

363/36 Attention

52672 69977 88885 70398 85710 36995 96706 49911 81458 64705
79098 50868 22037 89915 03868 19306 49468 21232 25697 33915
96939 78798 06333 88936 58861 29415 73209 39097 90747 23765
64971 42763 62261 87972 13649 46290

Attention (message repeated) Out

7469 kHz, 17-08, 0450 UTC

8088 kHz, 20-08, 1730 UTC

412/38 Attention

85390 00285 16932 41807 13241 61764 80534 67338 07578 03614
59042 01764 12148 74091 93547 65627 46860 54375 42683 62394
51408 57703 76951 34453 92069 69208 97251 17677 84341 63384
24040 29381 17133 16371 71465 45252 44118 71955

Attention (message repeated) Out

15800 kHz, 17-08/19-08, 0640 UTC

946/31 Attention

37283 73519 49426 17312 27815 02667 46148 92184 18729 33022
09178 05873 12133 66078 88572 98627 16502 53364 80267 86550
45885 57607 82435 74281 18414 91450 27741 30969 07727 85990
88009

Attention (message repeated) Out

12202 kHz, 17-08/21-08, 0830 UTC

180/40 Attention

79302 47880 56314 66412 20814 41895 35674 93879 64117 34207
18644 13554 27200 36439 54884 29886 73889 27647 67585 42265
45522 13793 56466 06684 68713 87851 04811 46948 78881 04478
84000 75535 98478 73910 63907 88667 08223 44720 03815 35309

Attention (message repeated) Out

8545 kHz, 17-08/19-08, 1045 UTC

697/31 Attention

75650 74831 60881 05565 89235 47657 28988 13038 12913 01506
08472 38173 82303 87007 79250 61309 36040 19447 80801 54962
03759 76282 45359 80686 61449 99157 49695 67557 35919 59948
79269

Attention (message repeated) Out

8680 kHz, 18-08/21-08, 0700 UTC

570/36 Attention

11639 90231 56801 90024 69596 31324 12652 86045 19554 26293
48334 02037 55062 53876 49900 66479 42557 97398 85057 57292
84756 79220 70245 40148 77507 84974 83400 18199 22129 58768
51957 96589 37939 27858 84039 17389

Attention (message repeated) Out

10429 kHz, 18-08/21-08, 0715 UTC

633/36 Attention

80648 48507 99631 94972 96631 25277 84133 50393 24574 28279
11514 82449 97715 49645 04377 03286 97564 00233 85730 85658
94245 01307 20125 30540 42154 80413 42086 28403 81459 72773
01010 00555 27591 75029 31335 93878

Attention (message repeated) Out

14940 kHz, 18-08/20-08, 0745 UTC

227/39 Attention

54456 12064 27268 01412 82214 24247 40588 07563 53053 73664
99615 16728 33890 83943 96603 70227 69739 30368 74475 83477
20247 9248246773 95871 60189 03943 90544 49060 68499 39847
76621 65496 0696587315 74210 76730 08314 89495 21475

Attention (message repeated) Out

15720 kHz, 19-08/21-08, 0745 UTC

343/34 Attention

30405 13606 52712 55602 14360 43436 83694 63437 53014 94338
79250 91263 69574 48053 19983 37649 24561 65117 06009 18055
36267 86200 69097 55378 68604 02159 46844 27838 35531 16176
36985 30394 07167 97716

Attention (message repeated) Out

7863 kHz, 19-08/23-08, 1625 UTC

977/33 Attention

20574 74897 20644 97183 30835 13520 72107 50846 87199 14836
27357 51597 28538 58444 90576 11840 21179 69902 24885 37431
59554 35650 01782 92523 91862 57308 64457 36809 45779 53443
42218 41516 16406

Attention (message repeated) Out

4909 kHz, 20-08/21-08, 0820 UTC

434/36 Attention

00596 05130 50322 20410 65986 45533 60348 63043 52792 76724
94129 66368 30874 46033 85636 50440 31936 35974 99215 98609
03568 83995 28772 87109 02196 79531 82621 27974 90756 86203
56023 67508 42718 94821 54599 07958

Attention (message repeated) Out

6480 kHz, 22-08/23-08, 0710 UTC

492/38 Attention

65990 71691 62763 61922 86611 50516 62802 80583 57911 06090
70441 11566 44214 87484 02331 78165 22552 13279 63552 70639
74290 95946 06181 73551 55596 84615 50980 14036 27795 07875
85666 23804 23729 50980 23041 51699 35230 55883

Attention (message repeated) Out

5409 kHz, 24-08/28-08, 1530 UTC

527/31 Attention

24082 24019 99055 11929 88092 89280 53519 83783 96335 74233
20271 28562 89046 68860 43240 73156 68659 44623 18385 61572
63815 28181 25257 28006 00724 50692 26390 93165 31643 64606
92686

Attention (message repeated) Out

7600 kHz, 24-08/27-08, 1900 UTC

649/34 Attention

13765 70751 40004 86450 75824 66931 33854 07724 59272 24688
26455 76603 06996 69906 60075 22068 89341 98484 63956 80745
26029 97337 84657 40577 64990 43839 80976 88416 03526 36152
66354 04382 09248 75317

Attention (message repeated) Out

17378 kHz, 25-08/26-08, 0820 UTC

134/32 Attention

42267 63315 84765 22532 34918 36314 82234 63842 09394 57604
22071 75371 95742 30919 95303 19375 16354 65039 35642 73431
86743 90063 45512 30813 51291 77742 40852 00442 05102 38264
22100 50439

Attention (message repeated) Out

6304 kHz, 25-08/26-08, 1205 UTC

463/40 Attention

10549 34701 79328 28455 96082 77126 89795 90837 00509 94584
96709 61505 89800 60815 88666 96722 44467 88751 50728 47399
73422 33689 07275 76872 06083 47536 45970 60838 52449 68463
58915 10393 86426 70149 80962 93672 71572 00410 86660 99134

Attention (message repeated) Out

14575 kHz, 25-08/27-08, 1645 UTC

338/39 Attention

25654 23099 59332 48490 50639 35080 13510 20246 97597 70957
59070 28510 43988 43293 72525 01643 75311 18616 23831 40255
34559 22111 61095 11215 34223 37295 61286 82995 82203 13788
80473 20096 71193 37660 19298 83948 60452 26429 80824

Attention (message repeated) Out

6923 kHz, 26-08/27-08, 0930 UTC

271/31 Attention

55851 48497 39246 54410 99204 47113 31301 13687 40803 05022
55275 08407 33331 19973 96624 28210 16272 17741 87984 15016
78110 59243 10432 67960 21307 19495 20825 43823 35604 88966
92561

Attention (message repeated) Out

6849 kHz, 28-08/30-08, 0435 UTC

352/37 Attention

60714 58113 06551 21829 87945 90363 17441 85155 05374 38006
40324 75147 30701 93044 66754 54815 76775 49665 71379 74531
38851 79855 84478 68722 17843 77855 56270 19008 22219 09265
95306 78870 67916 77955 43864 59194 43133

Attention (message repeated) Out

5737 kHz, 29-08/30-08, 0805 UTC

312/34 Attention

50365 77464 01380 99168 16513 07310 51504 69169 15802 06960
25781 33671 53113 95949 10884 99674 49706 20804 68233 24622
13807 29057 91252 39585 24444 40620 05261 37744 45368 86538
86583 76373 69314 47762

Attention (message repeated) Out

4783kHz, 29-08, 1705 UTC

390/40 Attention

71315 90705 90133 02749 34052 21645 64829 85037 96614 76005
38463 23294 62189 27903 71609 59249 22400 22772 81214 68920
80797 31472 43531 21071 07446 34485 01267 89088 97821 25290
70722 36771 79435 03962 43330 09426 59400 60271 91356 51480

Attention (message repeated) Out

E17z**16780/12850 kHz, 06-08/13-08, 0800/0810 UTC**

217 468 5 75155 92918 97067 58604 11171 468 5 00000

16780/12850 kHz, 20-08/27-08, 0800/0810 UTC

217 950 6 91943 58766 40970 45632 45150 77659 950 6 00000

G06**6887 kHz, 13-08, 1828 UTC**

842 270 42

63322 78958 01250 42540 77356 85965 25437 99870 23568 12565
21025 14525 85745 95861 10212 74025 96588 85465 23215 35246
56897 25468 25658 21598 32658 15785 25468 85498 23015 89358
02157 20179 11578 25678 25684 23256 25452 22871 75325 45947
44298 18596

270 42 00000 Windows XP shutdown sound

5936 kHz, 14-09, 1930 UTC

??? 270 42

63322 78958 01250 42540 77356 85965 25437 99870 23568 12565
21025 14525 85745 95861 10212 74025 96588 85465 23215 35246
56897 25468 25658 21598 32658 15785 25468 85498 23015 89358
02157 20179 11578 25678 25684 23256 25452 22871 75325 45947
44298 18596

270 42 00000 Windows XP shutdown sound

6887 kHz, 27-08, 1830 UTC

842 458 45
 32658 75457 02156 62154 00154 45459 78915 83544 77124 32541
 21520 02154 33254 32521 15475 02154 95881 62153 89588 33251
 80215 61201 86548 02157 93202 12125 15544 21254 33254 26588
 62154 41548 53251 42325 21005 38545 78745 22025 56521 13251
 76545 12512 12512 73325 38457
 458 45 00000 Windows XP shut down sound

5935 kHz, 28-08, 1927 UTC. Early start

218 458 45
 32658 75457 02156 62154 00154 45459 78915 83544 77124 32541
 21520 02154 33254 32521 15475 02154 95881 62153 89588 33251
 80215 61201 86548 02157 93202 12125 15544 21254 33254 26588
 62154 41548 53251 42325 21005 38545 78745 22025 56521 13251
 76545 12512 12512 73325 38457
 458 45 00000

S06**16327 kHz, 14-08, 0830 UTC****13875 kHz, 13-08/14-08, 0930 UTC**

842 901 32
 39509 23601 12261 16626 69000 34694 62783 28795 49017 37590
 25972 61616 64213 02490 62572 42522 45265 25440 41073 30239
 42239 13874 59161 90815 48434 24592 27383 84672 79404 77625
 32199 50629
 901 32 00000

S06b**13875/16327 kHz, 28-08, 0830/0930 UTC**

842 103 2 11111 00060 103 2 00000

S11a**13537 kHz, 03-08, 0510 UTC**

659/36 Vnimanaye
 86799 05890 31518 46928 43024 65750 65123 08172 15323 64798
 71406 25969 74754 23814 22081 08914 02280 82152 57174 92644
 35761 09924 22910 88851 18749 45759 57115 94019 46071 64388
 64374 26139 97280 30017 31974 18513
 Vnimanaye (message repeated) Konets

9339 kHz, 03-08/06-08, 0700 UTC

475/39 Vnimanaye
 58682 31923 67034 05569 98377 73350 96470 75740 87908 85835
 88054 03363 98041 99241 03278 74078 39252 96962 99518 82554
 13764 53624 35370 72656 35275 55711 04146 37126 22747 53891
 90851 23456 01214 64317 68945 87385 37845 72153 02176
 Vnimanaye (message repeated) Konets

15720 kHz, 17-08/19-08, 0715 UTC

381/35 Vnimaniye

03929 56120 00466 81789 38374 95629 99730 55304 01764 13394
76046 39789 97520 88152 26891 91349 28947 93175 75847 28292
64726 10596 16517 48199 93372 21836 75045 93813 43733 64289
26626 47235 96506 95635 17402

Vnimaniye (message repeated) Konets

6977 kHz, 18-08/21-08, 1020 UTC

427/36 Vnimaniye

26516 30139 96561 65623 31875 79042 64216 91140 23428 16244
26955 42976 84411 37398 41640 66319 10163 99351 24072 43802
61663 41772 78144 74649 28868 79640 50765 90442 60404 67802
37814 73678 24941 54430 53905 15701

Vnimaniye (message repeated) Konets

12457 kHz, 19-08/22-08, 1850 UTC

280/38 Vnimaniye

25458 27638 91926 42433 37657 05418 32956 72350 93192 01238
33503 74438 63877 31486 68889 41476 52999 38147 07494 70426
14806 14485 36323 23928 34116 79210 46784 51488 01001 04899
69629 34886 46530 38195 83252 84196 05600 34726

Vnimaniye (message repeated) Konets

5082 kHz, 24-08/28-08, 0915 UTC

481/36 Vnimaniye

81145 42577 51652 93226 32117 51031 05392 50432 20319 21564
99082 22090 49160 89327 84869 76302 22208 14590 59944 89274
98803 13247 86834 93410 06864 53644 41249 26683 15594 29922
66092 56445 48828 99397 67661 53904

Vnimaniye (message repeated) Konets

V07**13464 kHz, 02-08, 0300 UTC**

415 415 415 1 354 86 354 86

87541 17579 66259 31123 46891 84051 37573 79741 60689 97924
52664 68948 23908 03836 87203 07362 51318 19052 28461 54818
08111 01192 65780 87957 66047 35090 39768 08574 67607 68490
87253 07164 93547 36292 57271 33715 64969 95557 30638 74808
37386 90428 19455 26831 58951 18312 95888 22104 70355 92560
54314 39899 60007 99846 38593 28421 44914 08763 99448 02444
18286 17815 19369 04782 00426 77734 66458 70188 91051 88953
84249 42884 91620 31842 36363 81121 55120 95420 17887 87329
17818 07914 84498 14443 23697 74419 000 000

13464/12164/11564 kHz, 09-08, 0300/0320/0340 UTC

415 415 415 1 8546 50 8546 50

64472 95204 00235 67128 53720 13973 69887 63131 29533 54159
06698 97194 15730 59053 83851 37424 03683 92881 24092 02090
44777 04295 27549 78406 69082 57686 87428 71898 53266 34945
15354 52197 31171 42694 00374 64100 08686 53071 66469 92933
00911 40113 92003 11514 38480 61716 17310 34621 99363 97584
000 000

13464 kHz, 16-08, 0300 UTC

415 415 415 1 6813 24 6813 24
 28584 19156 54238 48591 73863 55272 22737 47687 95824 38172
 78843 11437 13274 03655 73490 71216 22907 40098 47018 47817
 50677 07021 94465 19568 000 000

13464 kHz, 23-08, 0300 UTC

415 415 415 1 1349 108 1349 108
 92820 00993 84623 90185 17195 20983 85516 91696 35394 16661
 61350 36257 93005 91408 05981 57618 80208 30615 20628 37622
 68478 73470 08787 27560 31299 19240 19172 76423 00296 94382
 50193 85080 18448 41766 62982 18227 51076 79572 47565 21034
 20548 86242 17380 22410 13648 57879 64221 05846 76900 06014
 40855 29648 87943 12240 03801 68442 85626 58222 06636 22117
 01371 56785 64814 99356 80830 73538 33083 38094 31381 93840
 49235 43591 59967 40843 13821 07698 45973 29761 83706 71426
 58755 60091 11974 60187 38054 16040 29279 52149 01142 46347
 58162 68267 26052 79906 11256 28520 36859 85294 81055 31704
 74222 68871 29609 21747 74976 74238 34881 09722 000 000

13464 kHz, 30-08, 0300 UTC

415 415 415 1 285 128 285 128
 11113 59010 57807 15041 58540 77126 06976 32070 61992 80514
 93208 78459 81022 86996 09826 78176 11282 83879 10183 04873
 15771 64088 51959 16846 38013 68352 72605 37441 12287 53903
 53761 46074 17822 45092 09536 70035 10299 17236 49921 03663
 41166 49547 25103 85810 60776 97520 51818 80311 34353 88293
 56500 31782 15043 27922 65119 18067 31672 01906 98979 16044
 03116 00063 82218 79569 92273 95865 97015 97322 47232 47131
 40874 59217 42460 65604 61587 11968 48745 04106 65312 02935
 30198 23580 35618 74402 02092 71576 89732 55176 01778 44168
 00347 50544 66387 63800 71546 41364 58894 25237 31703 30914
 57519 52830 60364 16273 97067 49015 72321 72759 52886 33938
 31932 52313 81752 04668 03710 47645 71962 54206 17968 57592
 49263 77218 37114 84004 11772 16627 84786 42588 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)**18040 kHz, 05-08, 0000 UTC. Heard by Danix**

New Star Broadcasting Station #2

For 2507, 10 groups: 0313 8609 2025 2728 6715 3186 1617 3722 4216 0820
 For 2653, 14 groups: 0705 8407 0597 2932 9171 3678 7745 3278 6976 8440 7179 3066 1626 3294
 For 3031, 14 groups: 2466 8255 2790 4817 1491 8742 2872 7726 9763 4924 8878 8271 0202 1410
 For 3083, 11 groups: 5007 0216 1928 0096 7744 6505 7704 7080 5574 2060 6810
 For 3094, 15 groups: 9553 6439 9982 2437 6760 2916 0858 7722 4952 8815 5099 5732 9530 6847 3386
 For 3696, 10 groups: 7052 9888 7739 7494 1976 1436 9135 7841 5892 8646
 For 3871, 16 groups: 2878 0936 6288 2799 8770 1612 2731 5436 9606 1743 1570 2680 1774 5767 4981 2857

18040 kHz, 04-08, 0001 UTC

New Star Broadcasting Station. Flute music, then YL with very short message in Chinese

15890 kHz, 07-08, 1200 UTC

New Star Broadcasting Station. Oriental flute tune followed by a message in Chinese

9276 kHz, 08-08, 0200 UTC. Heard by Danix

New Star Broadcasting Station #3

1305/14 = 7407 4938 3412 8187 8169 1413 0934 0671 0602 1938 6728 2274 5702 2544
 2022/13 = 8370 3145 3148 6563 6921 9029 3186 4786 2964 7666 7404 5519 7235
 2124/14 = 5420 5957 8804 6688 1123 4716 4036 1147 0538 5485 6733 0807 9216 8386
 2193/16 = 9269 2772 7008 7344 4999 6637 1582 2299 9464 3648 1266 9868 3062 0544 1019 8666

2402/15 = 6970 1006 6687 0165 3098 9042 5351 3270 4423 9005 3471 3537 4877 0715 8507
2485/17 = 1803 9227 4935 1275 8922 4032 2075 8070 5873 1098 6231 9275 5405 3260 4482 2267 1846
8676/11 = 6097 7396 7463 0803 0763 0597 1065 7954 8058 3815 6119

15890 kHz, 08-08, 1200 UTC

New Star Broadcasting Station #2 (repeat of 5 Aug)

MORSE STATIONS

M01

6435 kHz, 01-08, 1500 UTC

025 297 297 30 30 = =
16686 51436 46242 19138 20402 08151 54675 46451 34812 09724
40286 87346 48428 54062 51245 96460 10189 52849 11543 21319
77331 64996 28855 29546 39564 19447 85052 53476 21498 17983
= = 297 297 30 30 000

6780 kHz, 02-08, 0700 UTC

025 418 418 30 30 = =
10524 31132 06494 71383 01915 45424 63035 50254 70085 49003
01150 43586 95822 01372 14067 21784 86041 47088 04160 01162
43883 94030 28559 11265 45215 72460 23061 34491 78455 48460
= = 418 418 30 30 000

5280 kHz, 04-08, 1800 UTC

025 137 137 30 30 = =
76693 68828 94532 62715 68005 49058 50199 06129 70066 31767
16685 63400 52214 60139 77355 37310 86789 08180 76723 79792
60106 81164 90526 36007 83306 52519 41643 15397 53404 89304
= = 137 373 30 30 000

4905 kHz, 04-08, 2000 UTC

025 570 570 30 30 = =
43339 35033 31380 82999 66674 73609 06278 02340 20953 13814
70928 93069 70381 26934 02505 99898 38674 38539 30382 25822
01152 64746 89248 64902 87944 22543 94868 12420 32825 19856
= = 570 570 30 30 000

5280 kHz, 06-08, 1800 UTC

025 (R) 5 minutes pause
44195 0 EEEEE 025 025 742 742 30 30 = =
44195 94708 60638 54507 01483 77051 58915 85967 88227 17635
61322 79874 08743 37692 94790 98981 03967 47537 46613 79884
99153 91779 51495 36525 11840 78114 41690 56132 45139 44630
= = 742 742 30 30 000

4905 kHz, 06-08, 2000 UTC

025 784 784 30 30 = =
95422 23535 41567 87233 42671 13113 52038 15879 89186 67445
51187 81533 57051 24253 83649 73009 38759 78105 54781 98287
15499 68906 65132 04496 64775 42390 30965 83177 19441 86082
= = 784 784 30 30 000

6780 kHz, 09-08, 0700 UTC. Errors and different repeats in red

025 290 290 30 30 = =
31983 17525 81705 81705 72934 44992 50064 47517 30447 24471
51151 83845 66831 76856 75011 35663 05366 93814 02237 02237 022377 24297
44301 15025 83461 54872 45762 03161 82651 66541 82651 97033 18906 21215
= = 290 290 30 30 000

5280 kHz, 11-08, 1800 UTC

025 853 853 = 30 30 = =
29582 18968 64590 16665 25528 96221 77067 72976 27877 62290
89254 59045 99928 55996 41851 33773 85748 23023 27044 15730
01316 70767 71246 05818 53653 95452 89113 90644 05137 05092
= = 853 853 = 30 30 000

4905 kHz, 11-08, 2000 UTC. Errors and different repeats in red

025 344 344 = 30 30 = =
93239 61235 99405 53148 68696 55342 06374 64879 53667 83683
30384 25623 14234 43238 20536 905736 90573 49389 21480 28881 95434
90664 69497 28152 89631 19370 87712 77712 37366 70594 42927 85062
= = 344 344 = 30 30 000

6435 kHz, 15-08, 1500 UTC

025 521 521 = 30 30 = =
79889 88335 15260 18928 91642 03308 20429 47199 76306 58846
71504 59307 68580 89629 08349 02913 64612 18041 71094 16145
43740 56633 66985 15097 00647 08110 38004 72070 35970 99047
= = 521 521 = 30 30 000

6780 kHz, 16-08, 0700 UTC

025 234 234 30 30 = =
01379 64110 15519 13220 26733 79965 51922 66183 81940 68586
83187 33496 58037 29202 37066 00473 84183 98717 58603 41174
86853 43009 37533 82444 05311 96870 23520 75503 37605 50047
= = 234 234 30 30 000

5280 kHz, 18-08, 1800 UTC

025 732 732 30 30 = =
06097 37319 56384 04497 78588 60963 84607 67241 58493 91390
98324 48386 24109 27610 93593 77549 40234 64800 03930 28513
49677 39550 36589 32354 47039 69138 42258 58572 97847 03089
= 732 732 30 30 000

4905 kHz, 20-08, 2000 UTC

Groups 8, 9, 22, 23, 24, 25, 26 were not repeated

025 654 654 30 30 = = = =
45217 16960 26744 72642 64412 42060 57818 45585 69844 38242
88965 56143 07447 36681 81545 17439 74193 59210 73287 94725
42928 38436 34190 39348 53340 51304 96100 65226 90025 68601
= = 654 654 30 30 000

4905 kHz, 27-08, 2000 UTC

025 233 233 = 30 30 = =
19022 06713 90246 75360 19864 87851 86261 06583 24895 72897
48620 27882 88065 94571 48029 83439 41344 14588 13699 78882
12863 45407 69812 73490 38392 71951 77267 76148 76913 82304
= = 233 233 = 30 30 000

6435 kHz, 29-08, 1500 UTC

025 324 324 30 30 = =

50765 33459 11521 66491 00544 16720 35639 50652 10732 15140
 61258 86020 55823 08186 94318 07238 24713 51556 17474 70823
 88309 95643 86783 51750 20018 15250 86042 53601 00331 38839
 = = 324 324 30 30 000

6780 kHz, 30-08, 0700 UTC

025 531 531 30 30 = =

42097 95925 48811 42789 95084 80120 62255 68184 28645 58869
 32535 74663 74558 06781 31022 88248 09316 89094 83229 82368
 18383 55823 06489 39937 09237 46936 02663 09870 10201 65656
 = = 531 531 30 30 000

M01a

5781 kHz, 20-08, 1040 UTC 345 345 345 94417 94417

M12**10314/9114/8014 kHz, 01-08/07-08/08-08, 2100/2120/2140 UTC**

310 310 310 1 542 45 542 45

06829 41062 46424 24366 48676 21432 90646 57697 38816 01059
 01921 97589 61124 14512 27548 81979 84686 50222 45012 88653
 76995 33251 82304 44206 21648 30536 31987 48295 29877 01855
 67470 43573 02888 70376 33380 16074 30599 57522 50820 10859
 07016 82301 04000 30637 69681 000 000

9052/8052/6952 kHz, 01-08, 2210/2230/2250 UTC

992 992 992 1 8371 102 8371 102

65869 54701 47029 56362 15662 95521 12268 61022 59861 57300
 84115 20929 87313 34323 97796 37675 76560 77951 59034 55827
 67628 27759 30233 98649 21808 57986 69615 33048 92655 56822
 91340 39364 39449 65085 40293 28032 72574 82711 06505 30649
 51895 45534 55030 73141 69956 94111 71264 32669 26639 65362
 29148 31305 68709 79079 16687 34275 53227 00828 04946 43397
 87497 71092 54386 08387 51052 60885 24854 42276 43905 41795
 68194 12137 85344 19915 96889 09142 53197 71749 64924 52914
 35790 18966 34838 74499 82925 71819 51602 56084 55206 48902
 11482 49338 31677 45118 26894 26954 83872 42349 79189 77634
 36340 48246 000

14681/13881/13381 kHz, 02-08, 1600/1620/1640 UTC

683 683 683 1 4784 140 4784 140

90145 49582 58766 05613 81425 58606 52807 78086 96688 08625
 43530 46234 71164 67354 35489 86801 59233 47170 97308 20234
 41678 63415 75752 29170 20238 02135 78856 95560 83692 08220
 03704 32972 47441 47826 08876 12198 79676 44519 11776 07178
 78809 36562 34975 24918 25136 44868 44677 62836 59757 81205
 50838 07352 69876 17679 85901 25822 43558 53765 11649 32918
 55578 13891 09200 92756 62780 51127 52839 88960 07427 34262
 22179 61330 19875 27606 25417 19658 14162 61631 56091 25803
 90575 10475 82917 67962 04689 73015 87434 80940 88886 70431
 68235 21074 81150 29444 07238 58046 75835 39641 76256 45301
 48017 50151 12944 04701 38795 87370 26836 64302 93971 35524
 16061 62861 42691 98178 60305 48671 83247 60296 23006 79896
 79319 58134 48709 30571 10589 30112 86954 97385 93829 94574
 22568 39993 36137 66427 44766 65877 98390 86189 28907 63851
 000 000

12214/11014/9914 kHz, 03-08/06-08, 2110/2130/2150 UTC

209 209 209 1 433 84 433 84
44915 86059 43382 12641 03781 33249 45945 11619 77398 70303
96448 33572 61254 03625 37800 17626 73301 92484 43475 45084
32386 43582 73343 61990 80122 70528 51469 93142 28559 58512
39322 03560 59006 50237 47674 79703 63672 98973 32619 54868
84188 72107 79545 06060 41902 62427 38252 91233 60297 97323
24843 97507 42414 33206 55760 38170 65590 91204 25030 19665
36547 70341 36487 26932 02668 01630 40071 34596 49289 80345
95721 14960 36949 08395 34387 87300 84382 88305 89872 90046
83749 45831 72646 01158 000 000

9314/10714/11414 kHz, 04-08/09-08, 0500/0520/0540 UTC

374 374 374 1 262 94 262 94
27203 86903 33095 87894 29224 66853 86907 35575 00521 98992
15309 00958 79064 09451 61190 87997 07958 38159 45236 44158
77829 73027 26543 78102 79666 45998 61886 58569 14011 50300
38798 50705 76810 66241 61765 11169 91511 94453 13942 27251
72267 79078 16327 66523 01802 70753 34368 66090 72268 68115
67177 60033 53848 98176 90399 96954 46993 14095 15481 98200
99970 60769 37649 65272 41297 31293 86416 52690 36387 52277
61418 81245 89320 86846 63229 48599 63534 44771 14594 75611
53859 90706 72508 06434 01412 41120 31012 50382 08285 24872
91525 98751 66438 13359 000 000

9317/10484/11552 kHz, 04-08, 0530/0550/0610 UTC

135 135 135 1 1223 112 1223 112
70800 44987 73611 30116 45906 68931 65374 49916 27512 05449
86091 90307 14069 59139 70096 42453 41282 71719 01299 61580
80384 35311 11962 54466 70335 97032 04241 96192 30620 84887
96023 46219 90926 79930 63793 73466 73275 47346 99053 19569
39083 12877 12856 46582 80938 02775 95100 66368 62431 71272
33382 15859 33849 66370 21818 46085 12826 93270 56152 21192
27125 77073 12917 30492 92445 07300 09618 43397 59972 65840
44726 24291 58549 69001 11838 72951 31153 66726 41716 21913
14267 30060 23065 55926 86994 48162 87013 20157 76995 27618
72218 15609 17802 74083 01944 14547 11873 59241 16675 54413
16371 02613 48930 75053 09550 11860 98504 00054 00154 82277
39066 24481 000 000

11148/10648/9148 kHz, 04-08/06-08, 0700/0720/0740 UTC

161 161 161 1 575 98 575 98
61960 26445 90883 05178 32797 75382 51394 60097 37256 04915
80987 14898 30456 92171 09623 46157 51703 80783 38670 20649
02300 85508 19676 49805 48111 52449 57046 15447 20451 41968
64247 89640 92711 04133 87302 54822 44796 87888 98497 83168
10069 03855 83349 30359 98984 94366 04729 60829 89419 16085
64145 74837 51492 19138 75365 89317 67489 27418 91016 02432
60249 76327 59581 00219 18928 36587 44413 80983 91405 03653
75031 48033 83523 69144 21394 50556 05734 81256 09532 04604
63383 85670 34725 69706 45384 30721 03641 11931 38251 51912
61807 43819 04853 33547 76444 61720 87826 55957 000 000

12162/11566/10711 kHz, 05-08, 1710/1730/1750 UTC

546 546 546 1 5631 105 5631 105
37461 43302 93643 28769 42664 20458 26618 78278 94210 49796
09458 53017 63215 85039 29662 13448 12524 89697 34351 75367
25805 76388 56188 53090 03044 47029 23894 50632 27907 75736
68973 08727 12194 08462 67305 09854 73349 58306 89530 18955
50193 67194 57739 99226 56800 08694 78849 33681 33675 42580
19687 36841 06355 26361 16326 91077 03175 30750 71754 83401

10579 19757 34613 72179 67012 39726 40239 03074 38183 50915
55968 18040 06426 83676 50993 49771 42119 04666 33627 63512
53783 91129 21764 39694 87587 78974 54889 14670 50503 56348
75331 10028 73459 12313 56882 31296 10088 96013 05758 96227
59273 80017 78055 66670 82903 000 000

11435/10598/9327 kHz, 05-08, 1810/1830/1850 UTC

938 938 938 1 4722 70 4722 70
81164 35491 16249 46739 13758 19526 38610 46440 55232 33451
00159 20874 40574 10042 07475 08013 18837 13294 05518 43552
19994 55478 81296 28148 14811 98925 60876 08858 16612 00008
10966 01808 18559 40183 95367 45146 55344 78930 96339 96357
74242 21446 34629 34071 01557 25020 48196 78080 21242 79769
17223 28392 40796 13120 90037 12644 42417 85029 24857 36737
42639 55698 45834 40898 91475 76809 20377 43965 98191 06612
000 000

9052/8052/6952 kHz, 05-08/08-08, 2210/2230/2250 UTC

992 992 992 1 708 80 708 80
56830 57973 06861 65657 38615 37322 45934 47154 41330 77090
49562 40381 86191 03890 43873 59122 70493 94539 26511 39750
84107 52574 35923 75926 97144 73068 03526 36288 45670 61716
33573 95100 29562 63217 54095 26968 79572 09811 77443 77905
46445 16873 99428 03235 92610 74810 41786 01299 20304 24138
67634 01811 30130 01961 73381 39873 02479 36518 52210 60939
22920 55444 48541 78318 74376 61476 29216 48321 75939 61012
33293 68953 19338 07029 43490 76186 97020 99205 07398 69552
000 000

12162/11566/10711 kHz, 06-08, 1700/1720/1740 UTC

546 546 546 1 6364 110 6364 110
72938 42556 61098 05663 03307 20231 91012 10070 88761 83640
02952 20590 16848 86623 08191 67010 29789 14030 25727 87559
74908 41517 54508 26322 94675 81139 52684 42430 19937 00509
36559 28031 92571 57020 92444 39143 91182 43026 95218 23911
54543 09315 29105 59511 77421 54517 78799 14584 90190 85075
98602 67924 43439 46355 67662 07434 99353 94472 91092 73732
43768 21145 93378 16564 84485 91769 63061 86668 35079 04330
74450 71710 03388 31642 84924 51056 37662 99507 86312 74169
64325 78330 28715 66540 53341 09733 51466 46756 29078 12292
90523 05371 03503 94605 59421 17042 82137 42821 86757 09807
18912 25627 33350 56481 91696 20486 98086 37528 66273 95650
000 000

12162/11566/10711 kHz, 06-08, 1800/1820/1840 UTC

546 546 546 1 8363 112 8363 112
11148 26852 31393 75130 27311 29637 16235 26476 13856 75043
87816 90491 97122 94026 54607 99036 54230 57181 08399 99547
19723 53048 59354 76415 89755 95905 77660 47294 07821 38415
98898 87426 14385 90471 92604 62183 59111 21084 78751 12114
82955 78467 41439 69881 73732 12960 82545 12720 61066 58060
70654 79057 57834 79723 73159 18074 50444 41412 59017 42687
75721 24211 37841 32452 36333 01144 40326 73744 23322 09447
31301 36204 37542 49838 41645 07851 91656 80131 32664 14121
34420 28904 07622 20006 27581 33070 58321 05588 75987 68205
26072 08865 54197 20022 50993 63786 47062 89230 03465 67458
22111 24227 39253 57440 37470 75997 54866 51467 38320 98203
97534 15191 000 000

14377/13461/12114 kHz, 06-08, 2000/2020/2040 UTC

317 317 317 1 1525 101 1525 101
85810 12038 72175 31056 55415 94790 27861 60475 53802 82048
69519 15242 53232 20862 89912 73859 84808 27222 54093 75001
41269 12220 71886 66960 70511 52274 74134 75454 71685 41863
03220 84330 41091 45029 63373 22059 57831 42342 65889 12851
03395 80435 04956 09005 45287 11115 07365 34634 42463 55666
00933 15251 01950 82844 80625 97192 34278 71744 89277 37424
98036 22273 56155 48861 04574 42113 45537 87908 55379 20167
95426 74449 13621 49858 07876 11454 41508 31630 92377 83139
40612 36792 05657 71960 54651 28339 42042 78944 56834 91008
71471 06382 86272 56025 76917 09031 77496 61925 87426 19491
35490 000 000

6784/8184/9342 kHz, 07-08, 0030/0050/0110 UTC

713 713 713 1 674 111 674 111
88727 06757 38106 12095 18203 59918 65126 63011 82589 24808
52403 42108 73941 76975 72097 28527 49865 85230 52955 11454
62297 81059 19803 94012 29049 37750 10416 28934 57693 59063
69346 68922 32966 44634 67314 59969 55760 14585 16687 64462
84506 69606 77268 13411 72769 48338 94476 43706 36137 28608
41702 25733 95193 45332 08469 26023 27296 89117 90098 45603
22147 21187 22314 52522 04106 79654 80312 18062 61603 91060
89380 65200 96541 33802 02436 74901 94222 94863 94408 17345
42339 12130 86857 17011 58672 91175 05703 72829 42150 44812
79677 06476 57051 06936 71688 87098 04435 43667 68980 61638
61628 42127 95655 43729 97299 96510 09046 27881 26314 29119
47963

12163/11163/10463 kHz, 07-08, 0210/0230/0250 UTC

114 114 114 1 7126 70 7126 70
50965 03152 98540 43959 49649 95891 92675 15388 69062 89998
04668 55576 55946 09931 90614 57922 88919 25874 00099 17741
06398 12898 59566 51878 62949 11029 14467 29746 86599 70434
76807 63818 79751 49955 56697 27198 73412 99067 41168 02438
24677 12810 12115 40183 77420 85407 35522 38156 43891 76330
94157 41509 18493 21145 15672 65583 56679 36857 44233 21954
86570 80218 33820 15218 13147 46689 32902 68580 34466 10476
000 000

12163/11163/10463 kHz, 10-08, 0210/0230/0250 UTC

114 114 114 1 8040 86 8040 86
95144 23675 84942 88545 40620 63988 79446 91673 27556 14781
91894 99283 59697 19838 16135 35504 48369 38144 85309 15410
54839 76013 38274 84342 17697 04446 40580 54968 94559 14515
31825 26827 59101 04192 70309 45558 10802 83470 39170 81178
55848 63074 95376 40610 07316 11627 43071 94677 37495 59648
95693 41078 01895 37851 59689 87757 94553 16059 49855 52121
04308 93163 16758 09255 46844 20662 38558 23420 94249 44183
92904 17728 58804 19594 40261 40635 16098 03146 62249 62566
84208 29034 21894 94861 52827 13513 000 000

12148/10648/9148 kHz, 10-08/13-08, 2020/2020/2040 kHz

374 374 374 1 3884 125 3884 125
45150 84989 71758 66156 84845 04848 06697 35353 13674 07518
42238 22327 16325 34212 06775 73027 45784 21762 12580 36008
03475 10316 88230 81011 16138 28538 31441 51045 99278 90272
35569 16750 77638 02521 37024 82995 98782 40222 80783 80531
94535 10130 44022 19265 48106 80137 84067 06892 89261 60043
84921 35606 20526 93236 51224 17657 57931 12491 07202 57252
32885 67036 40479 44737 20096 65671 30065 47567 16217 50504

17953 05235 04384 80965 85011 90147 49219 40028 37789 28261
45451 20445 35902 77018 06227 82750 25118 79663 47854 01518
15243 45423 41886 19743 76741 94532 96440 94818 16243 45478
50959 28883 55191 22421 84952 24904 80251 76886 71988 84801
85931 31421 14536 94696 51976 51686 92943 04601 76561 74060
81241 45499 92074 57940 44398 000 000

9314/10714/11414 kHz, 11-08/16-08, 0500/0520/0540 UTC

374 374 374 1 656 77 656 77
07478 73031 99638 13044 22092 16594 36194 49862 97070 64152
86960 88472 19920 17837 03735 86410 62749 46655 62404 67632
89316 27939 15107 99572 49717 74974 20143 86773 27383 86097
35383 95583 64617 60812 83314 43238 53985 33143 38870 24797
73348 75910 13380 78515 47156 10032 70764 43609 28478 80316
44544 63684 08406 63380 91490 74489 71243 92718 30506 35186
50950 43757 69007 05189 64077 72177 20518 80984 69809 64121
92266 09432 82158 93111 57996 59521 95413 000 000

9317/10484/11552 kHz, 11-08, 0530/0550/0610 UTC

135 135 135 1 7092 113 7092 113
63037 87235 85343 56089 76263 47474 37669 30703 59744 00371
13203 03895 38354 35053 20416 42608 14440 41724 26992 90120
96064 22739 62277 50356 76896 28820 22583 38644 80259 87561
88495 02130 46176 64248 06481 37626 86475 44911 12457 38327
51231 58729 76401 82836 08116 79444 42125 61685 11498 20430
59160 78958 11910 08478 81229 39832 78624 61936 30397 99645
77937 03149 89672 70662 98450 76558 97622 14803 73349 86814
28700 90232 37351 96727 34604 23306 47759 97423 08741 24308
80278 80201 34082 60311 42371 25722 98400 73876 33184 31514
75032 86952 95663 71707 33210 77299 41352 07358 07884 14710
53578 56585 31082 27330 90348 55805 22469 85447 54044 54358
45357 04277 50450 000 000

11148/10648/9148 kHz, 11-08/13-08, 0700/0720/0740 UTC

161 161 161 1 226 24 226 24
63476 45563 41273 43964 40424 43301 27935 19073 20938 20235
85115 61179 54707 99165 55937 68455 56382 97444 85058 49597
03426 19993 90600 72183 000 000

12178/11578/10578 kHz, 12-08/14-08/19-08/21-08, 1210/1230/1250 UTC

155 155 155 1 3302 75 3302 75
15168 12216 49245 23190 18005 93441 58044 99864 55258 69656
50888 85296 94398 92116 11306 98384 99434 27135 38151 84542
55395 32479 08863 58391 92046 42380 13325 04802 07927 55058
32618 44700 97049 87992 61362 62800 09893 65938 12210 48405
50979 41877 49129 57424 87935 92415 21998 43247 84275 74649
53740 96570 21343 28993 82915 67465 45660 11078 28550 31147
00371 06770 73663 06964 44482 41152 41906 30265 44483 01235
81119 15665 85303 00458 60812 000 000

14681/13881/13381 kHz, 12-08/16-08, 1600/1620/1640 UTC

683 683 683 1 671 143 671 143
71013 36589 54162 04989 34706 27436 02187 00574 82595 04952
81168 18122 88134 90825 56864 28624 48801 27464 61952 46358
49348 08675 06890 77637 75341 62410 62099 07546 70261 87381
66967 82030 15512 25414 80537 65709 46553 74222 80995 77026
22969 05127 62800 94727 94553 62172 19905 05725 93682 69099
64659 68637 41768 53945 32217 91461 67034 02754 10165 27493
57018 96644 74425 09358 15590 98037 14456 77310 61425 43474
01173 19678 48389 44837 24333 06034 12237 31509 49646 48992
25884 65815 72966 07555 52666 08235 54798 58558 65570 40795

30959 64883 75974 09465 78722 65979 39057 87262 82330 76535
19857 13595 03984 95819 62410 98245 45342 09815 09293 41489
90412 74000 16027 76037 65270 41213 71002 18121 22010 97484
43856 06050 68145 78822 42635 13027 26360 07378 33210 82012
93245 94171 77339 73420 98408 98901 95412 64946 94601 36170
24040 97699 94012 000 000

12162/11566/10711 kHz, 12-08, 1710/1730/1750 UTC

546 546 546 1 7450 107 7450 107
57924 35301 01772 44650 81784 52001 46659 98723 67138 16393
48423 95874 59217 59048 97374 42465 05271 37837 70655 67065
23473 78465 31870 15686 71833 21985 08934 08891 95464 31381
20378 30400 59766 61002 80650 11022 35533 97828 46791 18155
26592 76563 61241 47651 50230 47484 56036 28171 55029 98199
67623 59209 94823 54652 69679 75695 58911 78854 94140 28780
25919 91677 31079 31964 12353 50638 70666 87279 12375 78728
03418 99050 44007 86925 97194 38743 25342 30863 80225 25799
32300 22417 66025 05180 60800 84807 97447 99800 05111 94564
94883 15191 07028 31482 52623 58958 62510 91562 76799 71103
46284 75110 89684 16457 66764 03624 85747 000 000

11435/10598/9327 kHz, 12-08, 1810/1830/1850 UTC

938 938 938 1 3332 72 3332 72
20942 51123 40488 07390 78907 57021 91344 43649 82920 72468
78476 74293 52678 04182 16658 98996 61703 93711 10636 28017
51623 09558 80512 61287 44978 70156 52342 89103 23058 99349
73617 13661 96833 92523 55637 84417 12490 98026 54480 95456
12115 27667 45510 12269 61045 62324 53696 38816 08048 87605
13143 09253 75389 01971 53970 47869 16131 16783 56212 56193
37692 11191 77569 25557 72792 50876 73003 13416 04956 95976
04572 11132 000 000

9052/8052/6952 kHz, 12-08/15-08, 2210/2230/2250 UTC

992 992 992 1 1971 88 1971 88
54522 57378 06930 90017 96179 91465 83650 37714 39195 71053
17063 57918 41465 56187 20540 19737 78844 97250 32898 64034
68709 41732 22208 49412 54876 58366 85545 70325 90321 00903
32818 34636 94365 70683 59709 92727 90675 35459 25827 16011
07120 79141 55253 95177 67572 38675 23783 85732 77535 22278
39917 63794 54566 42514 77476 72726 08576 65072 78053 37382
60608 65154 15563 20544 22756 18391 91711 19533 59057 24658
85409 51041 44262 79541 63992 21581 53259 00715 53669 84734
37804 01054 48486 55515 00953 49987 06497 70610 000 000

12162/11566/10711 kHz, 13-08, 1700/1720/1740 UTC

546 546 546 1 6350 104 6350 104
81669 90985 92311 98069 38626 46720 97095 89387 70305 23365
17991 43381 79603 98313 83874 32721 89468 57172 48546 23371
53433 83791 62716 84280 13354 73133 13849 68012 77032 54118
43658 55554 47983 31868 20381 19458 29311 22723 42370 59316
77663 79344 13289 51872 20243 10079 76726 83086 32655 52272
35035 09530 54604 74697 04015 99682 89804 19464 28115 52538
66942 64398 59236 85503 40783 67347 43841 54305 93557 45218
59447 79492 10894 60527 55661 60651 01353 99620 36023 57986
22850 80137 17578 50243 99271 46954 90781 69034 02563 32070
42794 31457 33798 52498 51735 59176 49370 53708 18540 03259
34173 69467 07234 77715 000 000

12162/11566/10711 kHz, 13-08, 1800/1820/1840 UTC

546 546 546 1 1671 111 1671 111
52854 87413 67427 17226 15370 34633 19978 64469 86099 77972
74886 96822 02056 30157 37607 88608 47737 31069 81906 53009
00171 06320 02912 55564 36622 65563 20820 13574 21721 80201
42151 81363 15239 43358 50373 52525 81896 22996 68653 21875
84393 32516 04740 48417 21575 19715 71823 92604 70422 20997
17531 04762 57674 16344 86168 18127 23269 57474 99098 10473
52889 56220 24574 15233 76840 83128 78808 09980 84985 27074
93881 58411 06784 82509 34322 57071 45817 36923 00561 24997
77402 98616 73852 62157 53315 20958 53437 78952 22614 21696
45488 09408 62311 45827 36340 33299 50144 76389 76722 65521
11485 76309 49305 01255 12802 16650 15306 54224 92719 12858
77386 000 000

14377/13461/12114 kHz, 13-08, 2000/2020/2040 UTC

317 317 317 1 4344 101 4344 101
72438 60460 16883 93321 85154 13514 38435 17702 61434 57175
94623 99482 73332 16793 57778 38043 79873 05082 06501 54605
22954 91037 92818 39927 61796 39220 96424 30795 16230 36773
67892 26554 52063 04519 86225 79292 40555 57525 68107 41961
51192 04745 78714 01881 26806 51465 91669 57087 52219 48449
94270 68730 23699 24555 78024 00480 42323 11574 75309 99633
85417 33174 99947 92968 42271 51514 60814 99675 25711 11259
83558 46206 39360 16421 06605 72807 02986 43682 69660 87910
13970 86226 31722 94918 68566 84383 32963 83312 44543 39291
66715 61922 26992 39011 76342 97455 35144 13740 16165 52021
33331 000 000

10314/9114/8014 kHz, 14-08/15-08/21-08/22-08 UTC

310 310 310 1 6710 67 6710 67
82467 01592 48402 10789 62616 90078 41828 05358 48408 01725
66064 96876 58768 68842 46149 62397 73072 22297 51109 99069
26531 32062 86181 08899 39475 64372 14420 53041 53593 31137
77909 91582 92818 17663 53484 53138 53043 87401 35997 34398
99427 82657 00732 46463 75859 92555 19210 93171 45994 15815
94755 45278 36725 59263 90869 20085 71534 84860 03485 43645
35064 45390 65311 16666 74689 86641 95783 000 000

12163/11163/10463 kHz, 17-08, 0210/0230/0250 UTC

114 114 114 1 102 188 102 188
49200 37700 58973 64418 27176 83005 31290 28075 40964 94509
28866 86178 86696 56678 90336 09841 91306 32211 39904 92357
67379 99233 96307 04226 98000 67833 14635 65432 69618 50616
93496 93160 18797 85404 69079 42065 22156 62575 66926 62827
99329 66566 98073 79395 90373 65408 48634 53744 36918 30072
50305 60205 45390 44016 13723 47635 83065 73720 64168 39788
37669 05518 96287 52913 93410 69377 28400 95797 49530 85078
64729 19184 18037 61499 80143 62637 51568 23684 29213 06402
51420 11264 37042 39440 81076 56194 09087 60248 90747 23695
94723 95322 55748 09241 06646 74885 65687 23210 68875 46521
68877 99797 21962 29049 85239 44098 54919 40559 68490 69845
52913 21130 94932 66502 49652 65917 29594 14332 39237 40283
63673 96073 12071 30007 78571 97264 58769 79945 33830 60583
16956 46615 15817 32865 36704 77509 98293 18235 01697 93301
08014 54795 74169 84691 34615 24689 76287 83362 24251 75999
49711 06358 08526 35891 39112 24841 96938 91612 37784 97597
86580 96384 43192 10451 17134 22150 23712 94666 69753 91982
02411 69478 87251 60670 17435 31523 34741 36090 29055 88089
15588 76215 66752 71929 03121 53952 22929 72757 000 000

12214/11014/9914 kHz, 17-08/20-08, 2110/2130/2150 UTC

209 209 209 1 788 71 788 71

21719 48229 84067 79918 84137 91908 33968 02576 09103 00552
33241 09328 96267 33549 88047 89111 34956 01588 63000 77377
94196 26220 38673 35024 60935 57153 52028 79164 30716 90118
38470 90098 63461 53247 49749 46788 89956 54073 60749 61282
31973 62521 15930 50175 47526 14223 74505 09589 59716 01227
55850 34349 79862 82388 34134 33993 73841 35934 88961 05701
87784 73841 92403 96475 34563 64348 99277 11890 83698 90413
73100 000 000

9317/10484/11552 kHz, 18-08, 0530/0550/0610 UTC

135 135 315 1 1665 104 1665 104

33748 13259 28537 50879 65031 93653 94749 95183 91486 09704
42304 72428 87729 81138 99940 41161 05609 60692 61904 24288
97425 53909 51718 21632 74201 89897 09281 21453 30506 53711
18950 45306 54029 68895 16099 68145 51676 20686 68398 80310
64860 47963 63951 38356 62028 23111 65048 03062 40040 39774
96743 43677 06847 03560 07622 51615 35361 97604 77381 72660
03164 20418 36413 43127 36423 23804 25015 04719 92410 02248
41486 39921 82476 86353 06928 02313 01320 10142 05400 78742
39608 81106 15791 68265 75832 51910 14899 05242 99071 57484
86095 81383 62994 66800 16845 64017 76072 54930 91415 70025
98482 27637 30105 91179 000 000

11148/10648/9148 kHz, 18-08/20-08, 0700/0720/0740 UTC

161 161 161 1 254 194 254 194

09723 94214 66567 56834 44528 87668 14475 87020 70117 63286
49659 40134 95158 52353 27407 64098 89720 44142 17698 34309
18380 89657 37963 19991 20736 24804 96738 06195 92622 67253
67777 10326 61111 96523 41581 40649 09735 29522 38985 91414
58969 49298 12382 51920 25499 27583 98430 30137 82459 98459
31298 51897 46964 04099 91143 93205 74964 70069 87216 90367
75717 11311 87276 23001 78589 89333 62200 73635 36121 36823
64752 14764 41819 81913 38906 10861 53429 36268 80166 34790
90557 90023 14962 94734 44535 62980 49639 60099 58304 75875
86889 06816 13911 94857 50797 04330 09682 53027 74602 40124
75770 75494 44928 47543 60703 09696 31770 25541 74266 89751
86212 67885 51451 31431 27259 02437 99156 61426 85689 26560
88050 64350 96921 90271 59413 42087 57092 28686 05981 39709
39979 21955 76150 94110 63044 97795 41380 05712 21807 83885
16877 64355 42060 33070 53518 52420 59804 43315 53273 41775
88487 29573 30401 09177 50501 80998 70768 73463 41607 23457
45906 61403 99817 06299 01575 77048 51304 50117 21939 08249
11547 26031 06467 71621 12774 77652 47638 15693 75270 99055
67894 00668 74269 91846 28873 43821 42541 78088 51399 39752
75664 11952 28522 32908 000 000

12162/11566/10711 kHz, 19-08, 1710/1730/1750 UTC

546 546 546 1 5978 111 5978 111

88315 64840 01034 16425 06227 26763 04033 27312 63352 28896
28877 26033 06109 61791 42398 62604 37801 26261 66972 91366
10971 04880 09089 28197 98185 72579 49043 38080 77450 66080
10486 29023 78195 19656 37289 24578 11767 44171 37843 96599
79526 47693 83332 61411 76784 58840 59581 15493 78242 94527
72382 01191 58198 87520 06484 85413 13072 36750 94588 86253
19317 08434 57060 22465 20910 51506 12871 10402 51415 23986
52601 19111 92472 29348 18440 16858 12731 95760 28382 26682
30404 68209 51529 75062 71746 24517 59934 07694 03764 13085
75055 23041 13024 61288 98121 33094 94660 98372 77272 72428
90205 83841 83091 76242 77451 26394 08715 92611 59953 37264
18280 000 000

11435/10598/9327 kHz, 19-08, 1810/1830/1850 UTC

938 938 938 1 7133 73 7133 73
46193 09568 29563 65399 29034 82298 03207 36109 68735 50147
01000 55755 76677 87590 04383 41689 70827 83292 79651 92956
75246 68166 38857 78409 55572 18764 11122 27351 01538 80074
08961 10415 81524 17635 94988 30183 17923 32400 13293 96287
13724 58177 18674 01291 92633 62949 77302 70787 41628 36452
73368 87387 39680 45546 04417 x6340 97411 33624 06804 44824
71992 38290 24887 54466 18205 46462 37102 77598 50621 67929
00253 99837 74576 000 000

9052/8052/6952 kHz, 19-08, 2210/2230/2250 UTC

992 992 992 1 570 106 570 106
80964 92441 80156 78774 06040 01276 47275 88129 92146 22959
48595 16497 58817 03427 04688 25396 94363 01667 35070 99263
67641 34928 42669 73372 46398 32608 48896 72878 68556 57339
88974 15088 78378 02025 54631 38183 77124 80070 74481 64056
68794 09301 27145 19281 22332 28134 42666 41154 47538 45278
04072 07891 09599 91792 63271 11604 40428 74335 36558 48027
45854 16692 85455 11748 04755 00365 72362 54124 04811 86914
16323 39791 22283 44837 32370 96235 30178 97588 51163 63074
29345 10246 35512 05058 69176 03150 04698 63053 21370 56550
39185 08071 19642 12634 32887 70018 82224 43319 32398 75506
74699 55175 75088 28920 51182 83201 000 000

12162/11566/10711 kHz, 20-08, 1700/1720/1740 UTC

546 546 546 1 6703 106 6703 106
39710 37018 13677 08687 13795 16189 68614 86709 80050 73669
22330 92868 76121 36539 40698 13187 89487 44205 68121 29847
18365 15459 60989 71246 83483 58476 14716 06835 99708 59224
16378 73530 31788 22729 02997 96497 55234 41028 71432 81826
31023 87399 19564 79443 02432 98579 77133 35996 77037 85884
87495 17603 01601 37120 19476 31054 40720 03282 68866 51024
03573 92632 96069 04390 94304 31810 11813 04991 77953 07166
07014 69539 74420 77938 55482 24774 69150 41776 09593 32755
28880 42181 12893 83826 60268 60449 07211 80355 19855 81665
03599 16194 48791 49675 79364 61619 43898 62229 28310 32941
85807 00842 09009 09804 26373 86251 000 000

12162/11566/10711 kHz, 20-08, 1800/1820/1840 UTC

546 546 546 1 9703 110 9703 110
94754 78508 87548 99012 01315 01209 89212 29471 37781 66760
34115 70593 66409 85316 04399 34498 33605 48164 13435 73792
13690 80112 36619 29445 03675 69041 96576 07697 37940 57333
79232 76843 90602 60949 43471 24260 96614 04149 39268 30923
47838 44519 34144 23551 29455 51898 24036 18220 59955 97715
94301 43283 36536 83882 40355 39995 83649 71911 85497 93487
58990 81847 54225 99149 74774 96386 92029 94730 53435 32137
92290 11241 27988 23025 52833 39311 64906 79118 81228 83652
92982 63956 28134 77821 32847 39655 03781 45189 30555 90970
05449 73418 77306 90220 26927 26387 20854 59384 10092 57586
97778 45167 09536 68751 07478 15001 41528 43170 97603 14636
000 000

14377/13461/12114 kHz, 20-08, 2000/2020/2040 UTC

317 317 317 1 1794 109 1794 109
10112 73813 76725 13297 39169 02421 95406 46345 39583 53174
13895 18522 58503 21660 59833 34322 70680 66545 51110 44540
46579 15452 75295 42797 65104 37639 98827 05988 11028 09265
26674 94425 48163 87914 82815 45924 45976 22088 51724 20499
29026 07419 35171 89490 67128 74663 40031 54705 57884 09915

25482 58739 51775 35865 41345 98288 75411 85106 66310 39021
51350 01033 65952 05667 70799 78241 98962 51800 65769 06899
63354 13363 29614 85326 88561 16108 09345 64421 18177 78510
53521 77742 52282 25257 31014 06783 30893 74038 87006 85355
16947 33481 09808 54345 85879 60945 43232 60329 39228 89010
42806 68250 33926 67472 41051 82691 70831 24276 87716 000 000

12148/10648/9148 kHz, 24-08,/27-08 2020/2020/2040 kHz

374 374 374 1 9760 93 9760 93

56764 34899 72822 98010 94161 81582 27695 03812 66102 80618
37250 85301 88462 84176 81024 61375 58691 38548 53245 41699
75589 36942 55440 14809 20115 04958 03837 02846 39802 48111
45802 24913 24199 09024 55538 36508 68244 16559 70408 86691
30573 30390 90179 35181 54751 04783 24850 82716 82695 32681
88008 94181 02739 48130 74711 44185 33392 75780 54424 23709
30830 49589 72032 38054 41873 23981 15121 82314 87430 80625
29712 95623 26752 96206 39603 24370 74678 93039 25234 55628
76037 94888 50123 45355 77805 84066 47082 85691 11476 38090
81325 84441 89654 000 000

6784/8184/9342 kHz, 25-08, 0030/0050/0110 UTC

713 713 713 2324 91 2324 91

66612 45138 64743 80732 93793 73823 98284 76331 73653 06305
12070 54919 47010 18080 86226 22696 17130 27648 87298 39217
61708 09589 28054 79185 96664 48046 26446 29936 26802 92934
66792 36620 36186 65884 55271 14482 14874 02822 50126 81839
73890 63818 95207 58677 38568 07123 70140 57096 91462 03490
96694 61179 77651 33641 41345 27009 65316 37702 53972 51049
63699 45748 38199 36159 88700 20491 16829 51726 17623 41702
18180 43228 88509 45545 64783 54125 57819 90749 67104 59655
34701 11426 35609 29101 54121 61833 27940 79055 35942 89436
57356 000 000

9314/10714/11414 kHz, 25-08/30-08, 0500/0520/0540 UTC

374 374 374 1 1283 131 1283 131

76727 38107 48176 44679 90485 77188 95175 04274 86774 48416
18750 67938 39905 36788 69796 02594 01042 80356 71520 18943
90638 67444 14823 74259 02081 24297 38397 85024 47635 50813
86305 41402 59158 73455 25788 18825 13780 34455 91087 51649
07657 76456 93835 04713 29001 52044 46349 31942 20482 49929
79682 89957 92725 24169 98748 31630 10374 62039 65897 59450
02248 32136 58925 73997 29381 10088 72051 89040 36276 08887
24765 24490 44226 49041 56653 16474 32065 24308 67690 79874
92114 09665 91273 12329 79689 87821 02888 19002 58621 63259
41878 31492 06966 06960 19845 17563 37069 83697 58609 64137
56336 87431 84821 58785 90018 46425 89297 69110 89468 89544
95172 68760 87328 55216 32509 73822 41478 59307 74977 57973
46398 97007 68276 59033 37467 30432 22539 43241 47729 61119
31653 000 000

9317/10484/11552 kHz, 25-08, 0530/0550/0610 UTC

135 135 135 1 3679 108 3679 108

22244 93370 06129 72703 88115 27419 49784 52718 66351 30134
18486 31191 281_5 18383 54627 14601 26_77 54820 51805 74590
_57_8 62214 84178 6__09 69078 36569 69696 52281 31771 00119
10503 56504 06517 97103 34695 42257 35468 64661 86130 76502
38076 64548 33021 41831 51585 63_88 86234 54702 18278 46825
57287 13219 22759 61786 04819 68700 04922 14352 12519 91672
39065 18090 35218 72437 17154 89719 51987 14371 33449 60421
76300 67526 11995 15337 39624 72657 85502 88970 39009 24_08
06048 80152 41948 65877 25524 38532 36776 24014 87456 29622

65815 50704 04739 74176 24629 51061 42306 78521 17074 39059
88860 18529 39180 71762 88964 54985 50463 63705 000 000

11148/10648/9148 kHz, 25-08/27-08, 0700/0720/0740 UTC

161 161 161 1 422 162 422 162
69911 73204 87474 16319 83720 26327 87783 07353 20486 71736
16075 15554 94083 29324 68463 33025 37198 91588 00325 43280
15766 37826 19762 33601 31940 48683 47541 90646 01217 30173
45513 24010 83715 68960 54978 73232 55453 22411 27173 58828
26528 96271 51842 53700 11833 43793 16557 19939 44492 69950
11119 00133 96395 88444 55223 64825 02906 65990 09748 34860
96697 40851 85710 92930 31937 07166 87607 99859 95117 41632
17606 75060 12364 22516 32588 33637 54593 29082 02490 51928
89387 96543 88939 44547 41417 41188 00273 76873 31415 21828
07746 08629 70364 42694 83077 60910 53858 02058 82471 56192
71225 00799 84780 36522 43795 78409 80380 06390 76015 78904
61604 36679 49476 13373 34716 29586 83589 99105 78805 62935
52834 11935 37128 49479 04881 89217 21086 40731 88150 01045
64837 81853 66197 18869 25316 69822 21756 52963 32127 41076
69274 28070 99284 10323 08182 05663 15127 60750 62105 63984
27436 85683 55228 44755 10530 42392 92074 98203 00216 61255
68061 05123 000 000

12178/11578/10578 kHz, 26-08/28-08, 1210/1230/1250 UTC

155 155 155 1 7213 20 7213 20
94651 71345 32633 57872 55055 51629 36128 08251 23710 30318
58569 72251 03723 52984 90846 13326 44781 83398 01340 04505
000 000

14681/13881/13381 kHz, 26-08/30-08, 1600/1620/1640 UTC

683 683 683 1 6251 85 6251 85
18054 81420 04358 04031 35648 72475 85506 61427 26128 54153
90992 06900 55947 12785 01322 29325 26035 75634 26144 76225
63845 59610 72774 57446 96955 01719 77168 73008 67677 88865
21487 88056 69209 79943 76758 66860 91881 29092 44723 77073
57590 80307 62992 15882 38582 21765 20250 91396 35614 81606
33627 97579 96035 59373 37417 60500 23727 92110 00392 27949
28942 65543 69819 77244 00180 86745 78372 73822 07414 80033
49666 66857 28773 90950 79631 83375 28798 87040 07748 09354
90059 29318 00110 53937 53217 000 000

9052/8052/6952 kHz, 26-08/29-08, 2210/2230/2250 UTC

992 992 992 1 598 142 598 142
66470 36455 04414 70802 68126 96383 06293 56344 92834 29351
55621 81525 31253 80294 64423 17534 86360 80987 14717 14855
13674 61873 25691 13505 62846 61031 45776 35142 57628 77799
42057 58930 96090 99210 93300 83325 90567 04509 83751 19794
43146 13974 37262 81874 28368 49303 03287 44612 00867 92714
16300 30825 04331 55789 79664 24232 87973 54305 22845 64379
47652 76194 25665 41874 02387 24006 75212 24986 10231 02717
11059 55361 23383 __942 10465 46700 21980 97102 03730 44194
45405 85587 31262 92126 13975 77174 42423 07027 04228 88178
96600 37158 42407 18015 87896 31758 28529 17944 68632 29208
16436 95860 88542 20102 92206 35560 46259 54090 16201 70413
85_01 40231 83447 48831 60470 03359 32555 36897 28401 52893
00947 83863 66709 95896 35227 67838 84608 03779 63649 66282
72601 01491 45179 24442 09900 21270 06963 11266 75105 96263
50563 79116 000 000

12162/11566/10711 kHz, 27-08, 1700/1720/1740 UTC

546 546 546 1 4052 109 4052 109
24330 70456 43791 11266 53400 46016 85829 34985 45563 01248
98059 80376 19287 95498 72311 98766 24537 04321 31113 53694
47261 64930 02614 73807 52184 50275 61811 51921 65920 14075
24610 25425 51184 93509 54690 82972 10513 14718 96675 43181
89979 87611 05694 56942 46319 97945 51164 10725 48598 39730
83657 15870 08256 94042 48798 60435 90647 14592 62014 55039
19205 96770 11511 01874 49125 28642 09036 98587 56881 47894
46384 97943 19250 10141 16098 71211 49608 36187 28046 54279
45383 86396 85838 13276 58379 25523 38416 96879 62118 69765
22513 52580 31063 00769 55470 37192 28870 12381 60976 41588
62060 77810 81667 56362 76852 46705 11205 97273 34273 000 000

12162/11566/10711 kHz, 27-08, 1800/1820/1840 UTC

546 546 546 1 8300 112 8300 112
34927 16075 74641 84585 55453 62410 67746 16001 79918 70684
14673 79480 91818 97170 24467 56265 65679 21918 11191 60239
98872 79997 16834 34176 88099 03540 53975 87841 22946 43758
19461 18881 44482 86085 56664 58624 65969 58365 08036 77018
83993 52825 31635 94896 93345 65396 87436 35933 30010 82677
39159 49546 99866 57272 34452 82247 49523 86841 30574 31444
00853 84520 17171 03527 98868 39718 67796 40095 41639 58753
06175 11269 86333 30117 93673 72462 42278 05934 28306 77295
57684 79437 96634 64552 80774 19605 99507 76431 01664 51950
32767 49933 73377 91567 00232 64128 90102 72823 86103 78885
45370 20341 97643 72350 72338 39104 86364 46390 78413 19675
45378 12097 000 000

14377/13461/12114 kHz, 27-08, 2000/2020/2040 UTC

317 317 317 1 3201 103 3201 103
74730 71063 67084 63287 49031 14850 41238 52548 75755 33991
82757 73429 33559 45709 47799 82477 85931 14650 17255 40161
86897 14759 49651 83137 98197 64245 81868 16960 66065 21747
08781 94811 62300 30969 14521 37535 57775 93058 78854 43052
11055 53478 28455 84541 90471 36087 96014 37219 68376 83296
97542 07232 93698 58312 02455 07613 94017 11583 64999 22381
90075 63082 31192 52417 42485 62552 84793 93361 70769 53964
07116 65119 38463 93152 18809 35880 33811 13527 41277 95030
11342 28023 07305 00351 67888 96139 75488 19389 32396 78116
92514 32562 57625 52514 16458 34920 14070 59345 83753 65130
53974 27930 93251 000 000

10314/9114/8014 kHz, 28-08/29-09, 2100/2120/2140 UTC

310 310 310 1 6152 123 6142 123
61221 01943 25814 94812 12138 87147 88349 66347 96937 84822
29119 00975 53694 99786 37594 76832 34112 43088 10768 89093
37335 42743 47603 92721 47121 22145 57927 72824 31810 69076
36392 10977 37476 60274 67037 61874 27903 50637 54723 77037
08740 07347 55951 43250 26090 82340 76267 16826 59233 71791
97299 98974 39383 61248 01095 74033 84176 48148 00480 56421
64039 22749 21816 56647 89337 77503 07263 65123 74090 74045
68540 80118 74930 07973 97346 59135 08689 19167 22435 00553
19711 98117 03988 02995 12038 99600 00603 52682 22478 41109
42099 39131 79620 45179 41455 47694 23921 12206 55900 04304
35212 78383 42990 01890 30101 24876 44438 09044 45525 25767
38918 95104 92892 76051 95963 67356 09426 06102 32338 49392
16053 81469 49708 000 000

14377/13461/12114 kHz, 31-08, 1200/1320/1340 UTC

317 317 317 1 8373 103 8373 103

60990 35460 98982 59554 93729 99686 08950 81629 57643 20991
 13601 69082 89396 08005 38332 12384 80335 99135 69167 07160
 52681 22159 86918 78585 11124 45950 81963 92969 70182 37002
 40712 37286 07312 44371 47600 84745 64247 92975 36751 65177
 41960 77429 44711 62384 34018 33472 10562 82872 33521 23507
 87635 23939 58726 00850 43177 25357 92923 57360 50202 55546
 08449 96082 71237 98232 27412 06307 98948 86233 14912 88922
 15368 72524 53546 40195 83752 68429 07808 89163 74926 86883
 57866 37552 41151 48126 72022 83591 55411 73149 80544 38784
 39765 12328 93037 11726 53540 31023 95048 10159 86544 27791
 09251 34434 53174 000 000

M14**4730/4650 kHz, 01-08, 0800/0900 UTC**

523 777 777 30 30 = =

12390 43215 24980 45890 54875 43218 59043 21556 21580 32145
 50986 54321 87603 21580 32145 69874 21578 25098 54318 53210
 43125 24509 32890 53215 54318 21509 34096 32153 50984 87603
 = = 777 777 30 30 00000

4730/4650 kHz, 08-08, 0800/0900 UTC

523 410 410 35 35 = =

85123 46589 99546 64599 56643 26994 05712 21329 73710 73675
 19920 05555 15018 26994 82134 60883 86040 52675 90976 89789
 55436 67543 08789 54789 22543 32367 76589 75043 11990 71071
 66421 89619 24460 13896 54077
 = = 35 35 410 410 = = 00000

5933 kHz, 12-08, 1920 UTC. Errors in red**173 (R)** 417 (R) 921 921 31 31 = =

97670 76558 64530 42310 65342 64537 65432 67534 74563 74569
 76543 65342 45673 45639 65347 42316 14532 56734 75634 75346
 76534 43210 76345 23165 64352 87654 13452 65340 13425 34126
 54132
 = = 31 31 921 921 00000 **87**

4730/4650 kHz, 15-08, 0800/0900 UTC. Five N's at 9000 UTC

523 320 320 30 30 = =

29385 34129 67765 62312 63003 87667 69098 11765 66532 33290
 87635 74652 23456 87098 11998 99827 53678 94738 00987 87906
 19287 33541 65783 82341 41077 08769 53276 55348 84320 99871
 = = 320 320 30 30 00000 **NNNNN**

4730/4653 kHz, 22-08, 0800/0900 UTC. Error or new freq at 0900 UTC?

523 585 585 32 32 = =

89459 26825 67452 87249 28241 83421 94810 59288 88912 47612
 85800 28736 40581 81950 75325 81354 95650 42101 80512 32058
 35113 85534 42890 66710 33024 90734 61234 99007 70089 89619
 06541 41077
 = = 585 585 30 30 00000

6856 kHz, 25-08, 1820 UTC

163 100 100 32 32 = =
89559 26825 67452 87249 28241 83421 94810 59288 88912 47612
85800 28736 40581 81950 75325 81354 95650 42101 80512 32058
35113 85534 42890 66710 33024 90734 61234 99007 70089 89619
06541 41077
= = 100 100 32 32 00000

4727 kHz, 29-08, 0800 UTC. New frequency

4663 kHz, 29-08, 0900 UTC. New frequency

523 571 571 32 32 = =
84726 11890 27466 38290 10098 13387 22659 47198 33456 83726
01987 27465 41077 89689 24443 23987 42190 33215 42145 63398
29900 11241 31114 24523 36443 94532 31314 22450 31112 45354
77410 74530
= = 571 571 32 32 00000

M21 - Russian Air Defense Forces (Войска ПВО Voyska PVO)

4789 kHz, 21-08, 1033 UTC

=991333??0?????

4791 kHz, 21-08, 1604 UTC

=9991908?0????? =9991909?0????? =9991910?0?????

3185 kHz, 25-08, 0238 UTC

=990538??8????? =990539??8????? =990540??8?????

9144 kHz, 25-08, 0319 UTC

=99?0619?9????? =99?0622?9????? =99?0624?9?????

M41 - Russian Air Defense Forces (Войска ПВО Voyska PVO)

5339.5 kHz, 16-08, 0550 UTC, i.p.

9984031891250 1929984
VVV VVV K66E 194 99870 31451 31 287122 5 0 845
ABV 19499870314513128712250 845 K66E K

4959//5339.5 kHz, 16-08, 0611 UTC, i.p.

19499870314514165712700 903
ABV 19499870314514165712700 903 K66E K

4911.5 kHz, 23-08, 0700 UTC, i.p.

RPT
00850063268911000 51785007180511800
8500632682901
8500632683102
8500632683303
8500832707604
8500632707905 51785007180511800

M51a / M51b

M51b: 3881 kHz, 22-08, 0515 UTC, i.p.

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

CWXS QGBAH DNXJR IKQLA PMOLI 19756 VXGDT ELAMP QNWJE DGFT
IKUHY BCGDT ERXFS QJKLM APOIU NBVCX WGDFF QJAU ETSFX WBSHA
OLAPM NWJDT DFEYZ 37628 NWBXC DFSTA 18649 NXJDY QKLIJ NBVGT
UJDFX WBCDF CHETZ QJHAU NWKJI SLQOP MAIJJ NDHXC FVXWL NQJET
YUETF CBXHD SJAIN 46392 JNXHR WXQKJ LMAPO NJHGY BCHDT WJHSU
UJIKO QLAKI JNHYT BCDVR SKLQP AUJXC VQHUE BXUET YAHSK 67494
QMAPY JKGFY CVXBD SFAUJ QKLPA MQBXH CVDTE SHJUY NWKQL AMZHA
JNHDF ETXCW WXHSZ VBQHA NJKHM POIUY UHDFE XVSFG 45673 UJGDT
VCDFF SCWXQ BHJUI LKAMP NXMQO BCJFT XJQUE DGXUA ZHJSF

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
IKOLE SGAUE XVSQG WNDXC DFEJQ LAMPW 36278 BXHDO ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXUI FUYTI HDNXV
IKDGR FHBCV DFDFF ETSGD XHSFE ZYSUA JNWHD SJHUI TGFHE KHFT
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 SGETF XBDGE XGSTE ZHUJ QKAI 46378 45381 SUJAU OLETD
QMLAO 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG

MVNDJ SKAOI DJSOW JFEIS LPOID NCZMA XZAIU DWEAS XMCNS 96314
GATSW ./.=, AQPD L CXMKZ DIWYF XZNDH WIUYF VBFNS DJUWI LODWI
25983 HDWYU .,?VA' HFHWU SHAJU BVBMX KSSUW AQLKD XNCGD WZAKS
JVMBN 62843 BDHWU .,/VA AS BCSGA XZAND BCYUW KFLEO DJFNC SQUW
CNMXA KXJCV 32691 HDJSO ./?VA DCGFJ SXCDL CBSHW MCNVU LSOWU
CNSXB MCDJE FKEIW 39648 HCSIO ..?AS/ BXSJA ZMXNC VYBDH SKDJW
/'?. ' JCSIW 20178 MVKOL SUWDF XZJAS BCNSU NCJSK AQISJ NCDHW
KZQHG 02301 BXAUD .,?+/ ZAMCK DSIJC BCCNS ZXIQE

BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820
BCSMK ?VA,./ FPORE POPEW SBAVW BAVES FLRPO NVBDY LEORP LOPEY
./,.' BXAHO 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ +?.AS VA FNDJE FLAME XVWTG SHAME CNBEJ
SIZED ANDUE ZEPLI 12548 SAQWD .,?' ' JJFRU ASILE XVSGW ADIOS
WALTI XCWTG ALSPO XBNMK 11478 XZAYG /'AS?, LIUTO SFWTJ BADAM
BIPOL VAQGS BILBO FRODO PIPIN 04789 PGUTI ?.,'= CXSEF JGRDK
LGPRK

VXSYW JSJPO APQOI VCBSH ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564
BCDFW ?+.,' LPDOU XNCBM XZSAD VCBSS NOLEP VCBSS RYTUI MDJSI
,'.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ
ALPCI 48932 LPOEI ,/.AS VA ZAQID BCDJ ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 SAWQD .?=?/ ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 JGUYI ?/.,' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?.,VA' NCPOE XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH
MNLFP

QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156
PLOTI /-VA' QEWSR CZXSA NVHFK QWRET UGTIO VCBGD MLGKT ZXADS
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMCKD ESVAZ QXDZA NBGHI
WERQY 96358 BVNVD ?.,/ VCDFF LKJMF WRETC ZAQXW BFGEU PLROU
CXFDE QWAEF 47859 BCDHE .+AS/ EUFUS POTIY QWAEF BCVDL ZCSQE
QAWEV NVHFK LBPNO 45632 WESKD ./,?AS QWAEF VBDJK LPROF XCSVW
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?+.,/ CVDFG XASZQ MWNGJ
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK
CVDFB

NXMCS AQWID CVSHA KLOPI ZXASQ MVLGK OYPUI GFHDJ CSRED 16580
VXANQ .AS,/' LMPOY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO
.?,.' BVNDJ 25890 LAPQI WNSYD VCSWV AQLFP RHFUS BCBDW NKGIR

BXCVY 54783 NXZMA ?.VA,' YHHDY CXDWE VNYEA AWQUV XVSW MBFUR
AWQLG RYUSL 14790 BAQUS .?.,+ AJAUW XCSAR LDOEJ GMNRY XBSTW
DSEWX VNFJE LEPWN 65874 BXYAG .,AS?VA ASZXW CHIDE KFOLG VCRWT
CXARQ MFYRU NFNFY AEQDS 12580 NXAOL /?./, VSWFG XASZW HDJWU
LFPRO CXWRG LSHDF CXAGS MCNUI 20136 VXAIID ,.AS/= BXVSH MVKDO
PLETX

GDFSJ ZUHDF XCAIK LOMAI PQKAU DHSJR ZTGSH BVCFX WNSJZ QKAUI
UFOLA MPLKJ HNBVF CXHSU AJQKD XKNJI 52718 9462/ HNCVS WNSGR
PMLDF HNERZ CXVWH ZUJSK AIKQJ HNXVS WHZRT AUJSL WOKLJ NQHDG
YHDGS XYCHZ TSGQJ AOLQP MAUJG 27489 JNVBF XGSHA 23482 HNXVD
SHAZJ OLDHB NCJRY DFXCS WBQHZ AJKSM QPJKV BXNDH ZUHSJ QKNHY
GBCKR YHGBV CNDFR SJOLQ LPAMU UJHGD VWCXG DHRTZ QJNAU JKQLZ
IKHBY DGXVC BCUJ SKLAZ PMJKL 74538 ZUJGV XBSJZ QJNKA KLQPO
IOBNG UHNBG VFCKO LAZSO WLKNP FVSHL MAOKP SHQJL BHDGX WVDJR
CJNGH YUZWG XNSJK ALPMD XHNFJ RTSU3 46378 HGCBD WNSDZ AJKQL
PMYGV

PALKE HCBUD RTSJZ QJAKI DKLSV WBQHA JKQIO LKDGR VXCDD CBXVM
YHFGC BSKLA IKQLS DLMXB VWHRT 27648 01984 DHNVX WBSHZ QJKA
KLSGF CGVXO LAIJH BXNDY RZYSU QJAIK SKHNQ WCXYR TJGBC VJAPL
UJDGB ZYHSK 376/3 DHBXJ QKALP SJHGB CVRPA LKHNB CJDUR UJDVG
XBSJZ QJNWN LAUZR DHBCN XJSUK QLKFG CHNDU HJSTY IKGHD VXBGG
35271 HNVCH 45383 SHBXJ QJAKL DGFUY HVCND ETDFX IKDHB VDPJ
CHFGT SJWNS KQLAI UJDGC BXHRT DHSKZ QJKSG UJGBC VSHRT SJQHU
35473 SJAKI UHFGC 563/9 HNVXJ SJAKL SMQPO IKHNB CGDLR DHFCV
FGCKL SJNWK ZUHGC VFRZT SHBWN JSKLZ QLHJR GBCJT

M51a: 3881//6825 kHz, 22-08, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 3/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
MJHEU ZOIWG HLOGD POUTB KDFRB ASMNT LXCVD HUDVO SKTNI 58726
BCSWK AS'?. , POFKH SVRYX MZLFW GOUVJ AQDEG CNTHP KLJSG PNYFJ
33948 BXAJO .,+VA PLMME GBYXG JHSRR LMAUR BYDIJ VWAQT ZOUH
MEGSQ 63591 VAQHS ?.AS,/ AIRFC NTGOK CWSUN SOKAT SMHES OPLFR
BTANS PFIRG 36115 BCZMA /?.'. , SICAV HYQWO VHESR OKSBY FKLJS
SMEXR ZYGT LIMER 22654 ZCZAG ,'VA,AS IMSUY WASPS LUCKY SWAPS
32598 VZAQG ,?.'. , MONEP NYDCF LOIUD OPTIO RATES FORWD FUTUR
KIFRC 36541 CZPLO /?VA=' BIDSS GREAT YHTFD VMNSI +

SAMEDI 3/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
IL Y A DEUX SEMAINES J'AI PARTICIPÉ AU NATO AIR CHIEF'S " SYMPOSIUM " À RAMSTEIN EN ALLEMAGNE, ET À WASHINGTON
AUX ETATS-UNIS. AU COURS DE CES QUATRE JOURS DE DÉPLACEMENT J'AI PU RENCONTRER MES HOMOLOGUES ET ME RENDRE
COMPTE COMBIEN L'ARMÉE DE L'AIR FRANÇAISE POSSÉDAIT UNE SOLIDE RÉPUTATION DE CRÉDIBILITÉ ET D'EFFICACITÉ
OPÉRATIONNELLE AUPRÈS DE NOS PRINCIPAUX PARTENAIRES. C'EST UN MOTIF DE SATISFACTION POUR NOUS TOUS QUI DOIT
NOUS RENDRE PARTICULIÈREMENT FIERS DE L'UNIFORME QUE NOUS PORTONS AU QUOTIDIEN. +

CQ DE FAV22 VA

M89 - Chinese Military

4227 kHz, 01-08, 1234 UTV, i.p.

HR WK NR 115 K

FF NR 3527/EX 2004 RMKS 5639 TO 5640 =

QGY./TPD4 AR

CFM XXX ? UF. M

XXX XXX XXX XXX X

FF NR 3527/EX 2004 RMKS CQ CQ CQ CQ /GACQ GA

HR CQ GA

HR GA K

HR NW GA K

HR HR F GA K

5561 kHz, 01-08, 1227 UTC, i.p.

/W3E6 AR
NR .63/EX 2020 =
RHP9/W3E6 AR
NR ..34/EX 2027 =
RHP./W3E6 AR SK SK

5591 kHz, 01-08, 1227 UTC, i.p.

FFF NR 1717/EX 2027 =
K3N8/D5M6 AR
NR 1717/EX 2027 =
K3N8/D5M6 AR
NR 1717/EX 2027 =
K3N8/D5M6 AR SK SK

5260 M89 CW (JPL) 0954 20-08-2020 Thu i.p.

HUBK (IP – Cont'd – 0954z)
FFF NR 195/EX 1751 =
P6X9/L457 AR
NR 195/EX 1751 =
P6X9/L4V7 AR
NR 195/EX 1751 =
PBX9/L4V7 AR QSY 38 QSY 38 QSY 38 VVV

5513 kHz, 20-08, 0950 UTC, i.p.

/EX 1754 =
G6T7/M.J1 AR
NR 1346/EX 1754 =
G6T7/M0JJ AR
NR 1346/EX 1754 =
G6T7/M0J1 AR QSY 24 QSY 24 VVV

5535 kHz, 20-08, 1004 UTC, i.p.

VVV 9BFL DE MJE8 K
R IEC = 1144 AR K (Exercise related)
R HR WK NR 107 K
R AS
VVV J0FK DE MJE8 K
R IEC = 6084 AR K
R HR WK NR 107 K
HR WK NR 107 107 K
R AS
VVV 9HEF DE MJE8 K
R IEC = 4195 AR K
R HR WK NR 107 K
R AS
VVV E1NK DE MJE8 K
R IEC = 5473 AR K
R HR WK 107 K
R AS
VVV ELP6 DE MJE8 K
R IEC = 8721 AR K
R HR WK 107 K
R AS
HR F GA HR F GA HR F GA
FFF NR 1348/EX 1815 =
RMKS = CQ AR =
A6C2/Y5I6 AR
NR 1348/EX 1815 RMKS = CQ AR =
A6C2/Y5I6 AR
NR 1348/EX 1815 RMKS = CQ AR =

A6C2/Y5I6 AR
 VVV ..Y4 NHS4 K
 R AS
 VVV ELP6 K
 QSL ? K
 R AS AS AS
 VVV RCJ8 K
 QSL ? K
 R AS
 VVV 9BFL K
 R AS
 VVV J0FK K
 R R AS
 VVV 9HEF K
 R AS
 VVV E1NK K
 R AS
 HR 7G GA HR MSG GA HR 7G GA
 7G NR 1349 CK 61 41 0820 1800 RMKS = CQ AR
 U76D 4DT3 UDTN A46U 456D 5AN7 ATUN N673 UANT UN67 U4AD (Cont'd)

5766 kHz, 20-08, 0952 UTC, i.p.

7/EX 1753 =
 W4FB/G9K2 AR
 NR 1347/EX 1758 =
 W4FB/G9K2 AR SK SK

5766 kHz, 20-08, 1001 UTC, i.p.

= FHN8/OBL2 AR
 NR 197/EX 1757 =
 F5N8/OBL2 AR
 NR 197/EX 1757 =
 F5N8/OBL2 AR SK SK

5777 kHz, 20-08, 0959 UTC, i.p.

FFF NR 0206/EX 1757 =
 DLHB/MZ79 AR
 FFF NR 0206/EX 1757 =
 DLHB/MZ79 AR
 FFF NR 0206/EX 1757 =
 DLHB/MZ79 AR SK SK SK

4686 kHz, 20-08, 1006 UTC, i.p. (Monitored on 5535 kHz 20 Aug 20 @ 1004z)

R QSA 3 K
 R IEC = 3991 AR K (Exercise related)
 R AS
 VVV 9HEF DE MJE8 K
 R QSA 3 R IEC = 6084 AR K
 R AS
 VVV EJNK DE MJE8 K
 R QSA 3 K
 R IEC = 4195 AR K
 R AS
 R R HR WK NR 102101 RHR EEEEE
 HR F GA FFF NR 1439/EX 1810 RMKS CQ =
 Q2B3/DJE4 AR
 NR 1439/EX 1810 RMKS CQ =
 Q2B3/DJE4 AR
 NR 1439/EX 1810 RMKS CQ =
 Q2B3/DJE4 AR
 VVV NSY4 DE MJE8 K

R VVV ELP6 DE MJE8 K
VVV ELP6 DE MJE8 K
VVV RCJ8 DE MJE8 K
R QSL ? K
R AS
VVV 9BFL DE MJE8 K
R AS
VVV JOFK DE MJE8 K
R AS
VVV 9HEF DE MJE8 K
R AS
VVV EJNK DE MJE8 K
R AS
VVV ELP6 DE MJE8 K
R QSL ? K
R R HR 7G GA 7G NR 1440 CK 61 41 0821 1800 RMKS CQ =
.7T3 3.A4 6A5T 7DN. 6NAD (Cont'd)

5076 kHz, 20-08, 1020 UTC, i.p.

D5N3 D7N6 453D 54TD U75N ...
AR K
R R VA EEEE
V JWN3 K
RPT
R R R NR K
VV N V CKW3 K
V 62HX K
V DTJ22 K
R R R K
V JW2S K
R R
V DJHB K
R R
WK NR K
RPT
R
V 7XQA K
RPT WK NR K
VV 9DUV K
VV HW8IW EEEEE
V HW83 K
R
VV HCXH K
R R HR WK NR SANAENR S NR V 422 K
GR LL SK SK

6722 kHz, 20-08, 1047 UTC, i.p.

VVV D7BZ DE FZGB
R QSA
QSA 2 K (Both stations on this frequency)
7G K
LN 7G NR 5041 CK 61 D5 82 0821 1830 RMKS 8723641 TO 8723627 AR K
R GA
R 1P = U4DT A63T6DU5UD4T6TA36D53AN73 (Cont'd)
AR K
R R QSL 1854 K K
R R S.. GA
TCODE = 791K K
LPLB WK K
DPSB SB WK (Switched to voice - Chinese - Male)

5414 kHz, 25-08, 1216 UTC, i.p.

FF NR 1013/EX 1806 =
F2Y1/Q3Y5 =
F2YJ/Q3Y5 AR QSY 7 QSY 7
FFF 1012/EX 1806 =
F2YJ/Q3Y5 AR
FF NR 1011/EX 1800
... CQ 98 (Operator appears to be practicing and does not realize he's live...)
FF NR 1012/EX 1803 =
55 = = W3Q4/F2K5 QSY 5 EEEE
FF NR 10 = = AU34567DN
NR 1012/EX 1806 =
FFF NR 1012/EX 1806 =
F2YJ/Q3Y5 AR QSY 7
FF NR 1014/EX 1809 =
A261 = EEEEE = A2BJ/D4EEEE D =
A2BJ EEEEE
FFF 1/Q3 EEEE 3333 E 333 324345 K 7M N GN GN GN G/EA/EE/NE/NE
GSAOAW EEE A011/EX 1800 =
72Y5/Q6H4 EEE H HHH HHHH T

4319 kHz, 25-08, 2035 UTC, i.p. Exercise related

VVV D3DF DE GBSB K
R QSA 2 QSA ? K
R EIC = 5078 K
R AS K
VVV MKL8 DE GBSB K
HR F GA
FF NR 4852/EX 0440 RMKS CQ =
VM/Y9 AR
FF NR 4852/EX 0440 RMKS CQ =
VM/Y9 AR
FF NR 4852/EX 0440 RMKS CQ =
VM/Y9 AR
VVV D3DF DE GBSB K
HR MSG GA K
MSG NR 1923 CK 61 96 0826 0430 RMKS CQ =
MSG NR 1923 CK 61 96 0826 0430 RMKS CQ =
3764 54N7 3UT6 7463 475N U6DA 3756 5N6U TDA5 ...

M95 - Chinese Military

4364//8073 kHz, 01-08, 1134 UTC, Q26: 4+4 QPSK 75/3000 LSB. Message to BNGC //4364

4364//8073 kHz, 01-08, 1145 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0591 CK 482 35 0801 1611 =
TTA 3U6 3AN 3U7 TAU 773 353 373 4A7 NN3 445 ...

4243//9054 kHz, 01-08, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB. Message

4243//9054 kHz, 01-08, 1150 UTC, M95: CW

VV HR 7G TO YR PSE CY
NR 02 CK 149 35 0801 1610 =
UTU TTA 3U6 3A4 TTU 773 353 N3D 354 N35 ...
AR 7G AGN
NR 02 CK 149 35 0801 1610 = (Repeats message)
AR A HR 7G GA
NR 044 CK 56 35 0801 1612 =
5AA UTT TTA 3U6 3A4 5T7 5TD 75U 353 N3D ...
AR 7G AGN

NR 044 CK 56 35 0801 1612 = (Repeats message)
AR A HR 7G GA
NR 090 CK 21 35 0801 1631 =
UT5 TTA 3U6 3A4 TTA TTU TT3 773 357 37U
4AD 446 TT3 33U 34U N3U 467 4D6 N3D 4D3
3DU AR MSG AGN
NR 090 CK 21 35 0801 1631 = (Repeats message)
AR A HR CW A EEEE A HR UP B WK

4243//9054 kHz, 10-08, 1149 UTC

AR 7G AGN
NR 063 CK 17 35 0810 1510 =
5AA UTT TAT 3U6 3A4 5T7 5TD 5TN 5AA 75U
353 DN7 36T 4TN 445 3DA 4DD AR A HR 7G GA
NR 20 CK 123 35 0810 1548 =
UTU TAT 3U6 3A4 TTU 773 353 44T 35A 4TN (Cont'd)

5301 kHz, 10-08, 1201 UTC

CA23 DE FIGJ K
222
FIGJ K
FIGJ
11
R VVV FIGJ DE CA23 K
CA23
VVV NR 1355/CCK CK 98 24 07U3AT3T RMKS 238K TO UGI1 =
TRRMKS 238K TO UGI1 K
TO UG R RMKS 238K TO UGI1 K
R K
UGI1 UGI1 UGI1

4364//8073 kHz, 10-08, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 10-08, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages to BNGC

4364//8073 kHz, 10-08, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0621 CK 77 35 0810 1146 =
TTD N5U TAT N53 TAU N54 7TT TT6 746 6T3 6T7 (Cont'd)
AR A HR MSG GA
NR 0622 CK 233 35 0810 1637 =
TAT 3U6 3AN 3U7 TAU 773 354 36D 4U4 456 (Cont'd)

4283//7553 kHz, 18-08, 0935 UTC, i.p.

U46 35A 4T7 445 4D6 TAU 773 (Cont'd)
A HR MSG GA
NR 725 CK 48 51 0818 1600
6T3 6T7 TUT N5A 6TA TT7 6T3 7TT TTU 6T7 6AT TA4 (Cont'd)
7G AGN
NR 725 CK 48 51 0818 1600 (Repeats message)
HR MSG GA
NR 724 CK 47 51 0818 0918
6T3 6T7 TUT N5A 6TA TT7 6T3 7TT TTA 6T7 6AT TTD (Cont'd)
MSG AGN
NR 724 CK47 51 0818 0918 (Repeats message)
A HR MSG GA
NR 723 CK 83 35 0818 0711
.35 UT3 TAD 3U4 3A5 TT4 773 355 (Cont'd)
MSG AGN
NR 723 CK 83 35 0818 0711 (Repeats message)
ZNN

3513.6 kHz, 23-08, 1242 UTC, i.p.

VVV (x3) SZ1 (x3) DE (x2) ICA (x2)

MSG MSG CK 1323 CK 1323 =

636 TUA UA3 3U4 ..5 5.5 U3A5 7T4 .. (Cont'd)

4364//8073 kHz, 23-08, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 23-08, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0666 CK 308 35 0823 1624 =

TU3 3U6 3AN 3U7 TAU 773 353 373 4AA NN3 (Cont'd)

4243//6666 kHz, 1205 UTC

RPT RPT K

R WK OLD HD NR 30 EEE

R HR NEW HD WK OLD HD NR 3062 K

R HR NEW HD WK OLD HD NR 3109 K (Both stations on this frequency)

R HR 7G GA PSE CY K

R GA K

R NR 0278/CCK CK 61 24 0823 2005 RMKS 1234 TO 5678 K

R GA K

R = T4D7 4DNT DN4U 6D3U 7U65 6335 746U 736N TUNN TTTD ATUD 3U5A (Cont'd)

CY ?

R PSE RPT 11W HW ? K

R RPT 11W = ATUD AR K

R GA K

= DUA3 T356 6573 (Cont'd)

4243//9054 kHz, 23-08, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB

4243//9054 kHz, 23-08, 1154 UTC, M95: CW

V HR 7G TO YR PSE CY

NR 088 CK 54 35 0823 1540 =

5AA UTT TU3 3U6 3A4 5T7 577 5UU 35U (Cont'd)

AR A HR 7G GA

NR 46 CK 185 35 0823 1548 =

UTU TU3 3U6 3A4 TTU 773 353 N3D 354 336 (Cont'd)

9054 kHz, 24-08, 2344 UTC, Q26: 4+4 QPSK 75/3000 LSB, i.p.

9054 kHz, 24-08, 2354 UTC, M95: CW

V HR 7G TO YR PSE CY

VVV HR 7G TO YR PSE CY

NR 073 CK 24 35 0825 0613 =

UT5 TU5 3U4 3A4 TTA TTU TT3 773 353 336

N3D 354 373 N45 374 4UT N3D 4A7 445 336

446 467 4D3 3DU AR A HR 7G GA

NR 074 CK 38 35 0825 0616 =

UT5 TU5 3U4 6T5 6T6 6TA TTD 667 TTT TT6

6T6 6AT TT5 6A4 UDN 6A5 U56 6A6 N6T 6A7

T4T 634 44T 635 4TA 4AN 63N 636 6A4 3A6

6A5 U45 64A 636 6A4 37N 6A5 U4U AR A HR 7G GA

NR 091 CK 56 35 0825 0639 =

5AA UTT TU5 3U4 3A4 5T7 5TD 75U 353 N3D (Cont'd)

A HR MSG GA

NR 49 CK 126 35 0082 0700 =

UTU TU5 3U4 3A4 TTU 773 353 N3D 354 336 (Cont'd)

4364//8073 kHz, 25-08, 1130 UTC, V26: USB. Callup in Chinese voice. Male operator

4364//8073 kHz, 25-08, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 25-08, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

NR 0670 CK 280 35 0825 1608 =

TU5 3U6 3AN 3U7 TAU 773 353 37U 4AA NN3 ...

4243//9054 kHz, 25-08, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 25-08, 1154 UTC, M95: CW

V HR 7G TO YR PSE CY

NR 02 CK 70 49 0825 1700 =

736 5TD T7U D55 34N 7U5 AT5 74U 673 D53 A6U AD6 (running groups together)

AR 7G AGN

NR 02 CK 70 49 0825 1700 = (Repeats message)

AR A HR 7G GA

NR 092 CK 53 35 0825 1534 =

5AA UTT TU5 3U6 3A4 5T7 5TD 75U 354 N35 (Cont'd)

AR 7G AGN

NR 092 CK 53 35 0825 1534 = (Repeats message)

AR A HR 7G GA

NR 50 CK 25. 35 0825 1556 =

UTU TU5 3U6 3A4 7TU 7TA NU6 6T5 777 33A (Cont'd)

UM03 - Chinese X2M net

8250//8410 kHz, 13-08, 0940 UTC, i.p.

6A4UD NT73U AR

03 03 CK 100 CK 100 TIME 1640 TIME 1640 DATE 1308 DATE 1308 =

D45A6 T6A7U 6U73N ...

7920//8250//8410 kHz, 18-08, 0928 UTC, i.p.

CQ (x3) DE X2M (x2) VVV

MSG (x2) ENG (x2)

01 01 CK 100 CK 100 TIME 1630 TIME 1630 DATE 1808 DATE 1808 =

546UN 6UNT7 4TA75 6573A T4A6D 3N475 D4NT6 (Cont'd)

7787 kHz, 20-08, 0930 UTC, i.p.

NR25 NR 25 CK 33 16.. =

TT33D 57AAD D4457 57735 TA656 (Cont'd)

AR ZNN

A HR 7DT7U 7DT7U

R HR

DIGITAL MODES

HM01 - Dirección General de Inteligencia

The groups and files from 3 April were repeated throughout the month.

Groups: 01441 68532 35731 30038 48409 70208

Files: 17550144.TXT 50026853.F1C 14623573.TXT 43453003.TXT 13804840.TXT 50087020.TXT

Oddities

9065 kHz, 10-08, 0858 UTC. Should be on 9240 kHz

9065 kHz, 10-08, 0958 UTC. Should be on 9155 kHz

11635 kHz, 13-08, 0858 UTC. Should be on 11462 kHz. Switched at 0901 UTC

9330 kHz, 14-08, 0758 UTC. Should be on 9065 kHz

11635 kHz, 14-08, 2158 UTC. Should be on 10715 kHz, switched at 2208 UTC

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

M42 – various modes

16043 kHz, 12-08, 0808 UTC, MFSK
12154 kHz, 13-08, 0845 UTC, MFSK-16/250Bd BPSK
12175 kHz, 14-08, 0820 UTC, MFSK.
10431 kHz, 14-08, 0840 UTC, MFSK
12188 kHz, 14-08, 1219 UTC, MFSK-16/250Bd BPSK
7421 kHz, 24-08, 0858 UTC, MFSK

M42b – FSK 50/500

6776 kHz, 01-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA1 QRU? K
ZVP SLV K
BK BK QRV K
RPT K K
R 390 624 K
QTC1 ZVP SLK K

RYYRYRYRYRYRYRYRY
911 100 01 0620 3175 = K
23654 12654 65437 35687 24568 35689 35689 54678 24085 43586
98643 23463 14567 25436 21468 21467 23642 12356 21532 15743
15375 14679 43567 16457 25497 09543 58692 54371 67921 12647
12764 36549 58431 26543 26897 46843 32571 43896 49867 40875
35821 25794 24560 74216 35875 19217 13761 23679 21567 24689 =50=
45871 25412 24781 23654 09746 00732 24975 24756 45872 34245
23478 23578 21457 23589 21573 42156 58391 25907 21458 47901
25789 21579 21564 21568 21564 25679 21647 26987 56901 43217
81423 87462 21594 56893 53268 47925 37589 16406 48690 21567
46790 42678 46780 13579 24689 34168 45071 24607 25316 23457 =100=

CFM NIL K
SK

5897 kHz, 01-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QSA4 QSA? K
QTC1 ZVP K

RYYRYRYRYRYRYRYRY
349 101 01 0620 1967 =
349 101 01 0620 1967 =
91892 40783 14341 65003 89459015177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL QRU? K
OK ZVP SLV K
BK QRV K
K
R 911 0628 K
NIL SK

6776 kHz, 02-08, 0620 UTC, CW

GX7N GX7N GX7N DE TIGR TIGR K
 GX7N GX7N GX7N DE TIGR TIGR K
 GX7N GX7N GX7N DE TIGR TIGR K
 GX7N GX7N GX7N DE TIGR TIGR K
 GX7N GX7N GX7N DE TIGR TIGR K
 GX7N GX7N GX7N DE TIGR TIGR K
 QSA NO QSY 54930 QSY 54930 QSY 54930 QSA NO QSY 54930 QSY 54930 QSY 54930
 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930 QSY 54930
 54930 QSY 54930 QSY 54930 QSY 54930 K

5897 kHz, 02-08, 0628 UTC, CW

TIGR TIGR TIGR DE GX7N GX7N K
TIGR TIGR TIGR DE GX7N GX7N K

6776 kHz, 03-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA\$ QSA? K
QTC1 ZZC ZVP SLD K

RYRYYRYRYRYRYRYRYRYRYRYRYRY

678 100 03 0620 5430 =

23654 12654 65437 35687 24568 35689 35689 54678 24085 43586
98643 23463 14567 25436 21468 21467 23642 12356 21532 15743
15375 14679 43567 16457 25497 09543 58692 54371 67921 12647
12764 36549 58431 26543 26897 46843 32571 43896 49867 40875
35821 25794 24560 74216 35875 19217 13761 23679 21567 24689 =50=
45871 25412 24781 23654 09746 00732 24975 24756 45872 34245
23478 23578 21457 23589 21573 42156 58391 25907 21458 47901
25789 21579 21564 21568 21564 25679 21647 26987 56901 43217
81423 87462 21594 56893 53268 47925 37589 16406 48690 21567
46790 42678 46780 13579 24689 34168 45071 24607 25316 23457 =100=

RPT K
(I missed the rest)

5897 kHz, 03-08, 0620 UTC, CW

TIGR TIGR TIGR DE GX7N GX7N K
QSA4 QRU? K
OK SLV K
OK SLV K
ZVP K
ZVP K
ZVP K
QSY QSY 59774 QSY 59774 K
(I missed the rest)

GX7N GX7N GX7N DE TIGR TIGR K
 QSA4 QRU? K
 OK ZVP SLV K
 BK BK QRV K
 R 362 0623 K
 QTC1 ZZC ZVP SLD K

[illegible]

462 102 04 0620 8503 =
 14564 46584 76456 45768 14248 67853 18954 97641 14680 58432
 54674 67455 46756 76545 76546 34564 12345 76589 74567 86758
 76545 46756 64756 47656 67576 75646 56347 46576 78956 34125
 56756 43524 67589 31244 64576 56347 78967 12345 67854 12309
 67545 23437 12344 56476 34567 78968 65476 63547 12344 76549 =50=
 65744 34564 65437 12344 78676 12345 09787 64576 65437 21349
 31244 65431 67585 12338 76545 97868 64565 12343 89734 12347
 64574 13289 64512 64578 12358 12345 78697 46531 45678 98760
 63453 34125 76545 34127 76897 31254 78695 32187 65348 45639
 76454 13256 67890 12367 67890 45635 12346 56347 75647 23419 =100=
 53478 23108

CFM NIL K SK SK

5897 kHz, 04-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QTC1 ZZC K

R Y R Y R Y R Y R Y R Y R Y R Y

362 101 4 0620 8642 =
91892 40783 14341 65003 89459 45177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47116 97070 97880 29152 24552 54435 59460 74946 87355
40255 67135 19984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL QRU? K
ZVP K
BK QRV K
K K
R 462 0627 K
SK

6776 kHz, 07-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
 QSA4 QRU? K
 OK ZVP SLV K
 ZVP K
 BK BK QRV K
 R 377 0625 K
 QTC1 ZZC ZVP SLD K

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

430 120 07 0620 7519 =

18537 38492 54831 95732 75936 76638 94754 83654 73856 75839
66583 93857 27451 54832 65934 73263 87632 67427 74285 82746
85532 85631 75643 64521 75632 85632 27583 95721 46327 95632
84264 75632 64583 86743 75834 82474 74727 77341 95734 07847
85623 65931 06732 86928 47218 75834 82045 73651 85632 84941 =50=
37531 75632 74628 99093 75323 85719 85734 84736 85737 98543
43795 85737 86757 87347 75664 78548 95737 75839 75834 85864
48567 38547 43753 76839 76849 37543 86743 86720 78542 85734
37537 74239 74810 75839 78538 82440 04763 76849 63412 74351
57230 75329 10481 03253 95731 64537 75621 57383 17849 18475 =100=
18546 73451 75430 74912 86473 95739 65018 75463 84712 47508
37549 37561 45692 65921 97563 73542 94612 76023 76591 76332

CFM NIL K

SK SK

Nothing heard from GX7N on 5897 kHz

6776 kHz, 09-08, 0620 UTC, CW + Baudot ITA2 50/500

VVV GX7N GX7N GX7N DE TIGR TIGR K

QRU? K

QSA4 QRU? K

OK ZVP SLV K

BK BK QRV K

K

R 386 0623 K

QTC1 ZCZ SLD K

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

426 120 09 0620 4374 =

426 120 09 0620 4374 =

426 120 09 0620 4374 =

426 120 09 0620 4374 =

426 120 09 0620 4374 =

426 120 09 0620 4374 =

VVV = 426 120 09 0620 4374 K

CFM NIL SK

SK SK

5897 kHz, 09-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K

GX7N GX7N

QSA3 QSA? K

QTC1 ZCZ K

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

386 101 09 0620 1967 =

91892 40783 14341 65003 89459 45177 26825 26516 04048 12512

82159 29537 47349 16589 19335 36780 99226 34509 44688 51629

55880 53644 83507 16166 01181 15489 33444 69754 33986 79208

03111 25763 61835 29726 35024 61502 30544 86954 24607 35809

53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=

31248 75095 50245 82172 51693 26298 14150 94623 37383 16624

00769 00741 88693 61843 38296 60244 84483 38533 71350 63168

62811 47183 59707 05788 25152 24552 54435 59460 74946 87355

CFM NIL QRU? K
OK ZVP K
BK QRV K
RPT PBL K
RPT PBL K
RPT K
RPT PBL K
R 426 0623 K
NIL SK

VVV GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QSA? K
OK ZVP SLV K
BK BK QRV K
RPT K
RK
R 391 0627 K
QTC1 ZZC ZVP SLD K

CFM NIL K
CFM NIL K

TIGR TIGR TIGR DE GX7N GX7N K
TIGR TIGR TIGR DE GX7N GX7N K
TIGR TIGR TIGR DE GX7N GX7N K
QSA3 QSA? K
QTC2 ZZC K

43

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 636 0631 K
NIL SK

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QRU? K
OK ZVP SLV K
BK BK QRV K
RPT K
K
R 395 0624 K
QTC1 ZZC ZVP SLD K

211 130 11 0620 4189 =

34567 67543 64567 76547 76548 67458 63457 14325 75689 75640

53645 74563 37456 34567 65423 31245 64539 56734 64367 54319

56436 46239 62345 57643 35646 56346 41230 64532 64357 34125

43765 95786 75634 67354 31247 56342 86750 65374 34128 73654

64539 76530 12346 67584 87608 65437 45367 86754 76584 76543 =50=

36547 41233 43125 43216 14325 41325 32417 34526 62345 87560

45236 65348 43129 76354 41327 76540 65467 54312 42356 91129

53429 41352 45320 26345 65437 23146 34215 41235 43125 43218

64523 21343 43126 34251 45623 43215 67543 56438 67345 09834

45236 41235 41238 54235 65347 64532 34127 62345 76458 78645 =100=

63458 65764 65734 31244 45238 67534 67567 54636 65439 45623

24554 64563 63547 65432 45235 43125 65432 87659 78645 87650

45354 43214 54254 23456 13245 34526 64536 65437 64536 53248

5897 kHz, 11-08, 0620 UTC, CW + Baudot ITA2 50/500

395 101 11 0615 1641
 395 101 11 0615 1641 =
 72333 27568 08643 78073 30736 20110 99729 71433 81053 75791
 25563 87590 41357 36344 75359 73491 18456 83702 78046 45758
 37723 53153 14822 15211 38863 98561 86669 96185 02229 76280
 29191 92091 81525 71454 80319 16132 46724 35451 61961 59430
 53701 60010 06167 95444 36218 37026 35241 21342 56187 52886 =50=
 07414 07998 45154 35520 46331 97974 7770 8085 65288 57744

55831 71774 37956 06647 81105 41883 10401 19234 92202 05485
64507 45458 43695 06458 35854 53589 64924 46425 09101 00159
36627 82126 94949 95460 43469 43041 50807 88279 39361 11366
84358 72178 84685 29171 48984 28525 05940 15529 49403 26840 =100=
00316 -0624=

CFM NIL QRU? K
OK SLV K
SK QRV K
K
R 211 0628 K
R 211 0628 K
NIL SK

6776 kHz, 15-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA 3 QRU? K
OK ZVP SLV K
BK QRV K
R 540 0623 K
QTC1 ZZC ZVP SLD K

RYYRYRYRYRYRYRYRYRYRYRY
410 102 15 0620 0620 =
14564 46584 76456 45768 14248 67853 18954 97641 14680 58432
54674 67455 46756 76545 76546 34564 12345 76589 74567 86758
76545 46756 64756 47656 67576 75646 56347 46576 78956 34125
56756 43524 67589 31244 64576 56347 78967 12345 67854 12309
67545 23437 12344 56476 34567 78968 65476 63547 12344 76549 =50=
65744 34564 65437 12344 78676 12345 09787 64576 65437 21349
31244 65431 67585 12338 76545 97868 64565 12343 89734 12347
64574 13289 64512 64578 12358 12345 78697 46531 45678 98760
63453 34125 76545 34127 76897 31254 78695 32187 65348 45639
76454 13256 67890 12367 67890 45635 12346 56347 75647 23419 =100=
53478 23108

CFM NIL K
SK SK

5897 kHz, 15-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QTC1 ZZC K

RYYRYRYRY
101 15 0620 8532 =
91892 40783 14341 65003 89459 45177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47116 97070 97880 29152 24552 54435 59460 74946 87355
40255 67135 19984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL QRU? K

ZVP K ZVP K
BK BK QRV K QRV K K
R 410 0628 K
SK

6776 kHz, 16-08, 0620 UTC, CW + Baudot ITA2 50/500

VVV GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QRU? K
OK ZVP SLV K
BK QRV K
K
R 804 0623 K
QRC1 ZZC ZVP SLD K

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
284 102 16 0620 9834 =
284 102 16 0620 9834 =

74859 26389 01987 41077 36541 77658 98094 11865 44332 09871
10293 77410 36589 17264 99887 10298 46352 18576 35462 88576
10998 99355 66376 17468 52437 91823 00981 36457 19287 94567
19276 35466 22746 19890 36452 17564 35467 28476 99485 24356
19287 45367 27365 22776 18356 17665 26455 28576 19909 77410 =50=
95867 65788 35446 11187 74666 38576 99998 36477 22254 99800
11029 33777 88890 75645 26378 75648 10012 10298 78961 92440
13987 89225 34879 89876 88005 55353 58765 88907 23167 67549
99904 44432 89765 88009 77658 21213 78789 88779 67679 88898
85764 33546 11987 36452 88765 29184 27564 11937 00901 78543 =100=
77411 41170

CFM NIL K
SK SK

6776 kHz, 18-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
 QSA4 QSA? K
 QTC1 ZZC ZVP SLD K

RYYRY

367 120 18 0620 4637

84796 48395 28475 10293 47562 18857 84772 19009 37586 27465
28475 66453 28576 11998 22773 44665 35478 41077 78573 99385
02903 18573 26489 26478 29857 19987 37465 27419 37584 22845
00987 12345 67890 77599 11857 26456 22781 77410 89576 48889
11129 33389 94857 26455 18577 35467 28576 10098 47009 19088 =50=
95887 26654 18867 36452 10098 46652 17776 56664 37768 28475
29385 17765 26453 18690 00980 48679 67854 89619 24401 39586
19968 37889 89225 34879 89586 89691 02057 28796 89626 14063
92485 36641 98700 37568 18429 18370 81379 37519 58729 01012
19283 47538 18847 26649 29989 99998 22223 85777 46667 14882 =100=
19382 77746 15524 47689 19487 26645 37784 37261 87650 66657
98712 56778 43323 56743 12999 99987 77789 00564 41177 77351

CFM NIL QRU? K
OK ZVP SLV K
BK BK QRV K K
R 387 0628 K
NIL SK

5897 kHz, 18-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QSA4 QRU? K
OK QTH K
BK QRV K
K
R 367 0623 K
QTC1 ZZC K

RYYRYRYRYRYRYRYRY
362 101 18 0620 8642 =
91892 40783 14341 65003 89459 15177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL SK

5150 kHz, 18-08, 1715 UTC, CW + Baudot ITA2 50/500

FKLS FKLS FKLS DE BUHN BUHN K
QSA4 QRU? K
ZVP SLV K
BK QRV K
K
R 363 1715
QTC1 ZZC K

RYYRYRYRYRYRYRYRY
207 104 18 1700 2588= 00
29679 48454 32055 32715 17289 28161 10170 63281 33736 05792
52935 69567 00774 81211 71060 13372 80535 62456 68058 20913
04259 66668 95299 52700 44689 14800 21526 11022 99526 58932
32610 04857 70522 30242 47830 55319 17710 66867 75665 55541
31145 12080 05640 73123 22675 84279 72980 74434 63581 35476 =50=
85285 32680 30433 42889 06190 56285 24232 69899 21641 09248
93139 49716 67646 69747 86208 01201 18877 09947 69472 08005
27565 41149 84079 44690 13225 22153 38757 09771 13817 10018
06596 39332 47057 43824 88076 73054 98314 97972 11489 93150
47305 62137 97451 23432 60835 84501 55504 33548 08743 62727 =100=
25233 94901 46056 19862 -1718 K

CFM NIL K
SK

5151 kHz, 19-08, 1726 UTC, CW + Baudot ITA2 50/500, i.p.

RYRYRYRYRYRYRYRYRYRYRYRY

728 115 19 1700 5138 =

00639 19795 15901 78241 56080 99369 39704 33572 53263 01532
77270 25068 00843 93367 60167 14730 63682 67767 07357 10575
00460 51514 65104 95093 33788 26033 82054 21604 40830 04611
01171 41716 00316 54129 38196 79450 17514 89858 59045 92345
97034 27697 02524 25498 71227 16723 87453 61664 05043 61428 =50=
01093 37515 71688 43842 68803 48356 35382 90678 39329 89447
28038 53716 74170 04328 81332 24934 30770 428.4 79280 35472
80435 78919 49607 06409 85482 48133 19502 13951 59361 56088
92452 99959 08750 99042 77289 78420 58655 02910 40587 68185
51877 38381 96300 78665 92986 80637 27513 03445 35599 16343 =100=
55901 53810 92974 05818 01765 08898 23289 06010 74758 36803
52565 87149 75709 54620 07379 -1729 K

CFM NIL K

SK

6776 kHz, 20-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K

QSA4 QSA? K

QTC1 ZCZC SLD K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

812 102 20 0620 9817 =

14564 46584 76456 45768 14248 67853 18954 97641 14680 58432
54674 67455 46756 76545 76546 34564 12345 76589 74567 86758
76545 46756 64756 47656 67576 75646 56347 46576 78956 34125
56756 43524 67589 31244 64576 56347 78967 12345 67854 12309
67545 23437 12344 56476 34567 78968 65476 63547 12344 76549 =50=
65744 34564 65437 12344 78676 12345 09787 64576 65437 21349
31244 65431 67585 12338 76545 97868 64565 12343 89734 12347
64574 13289 64512 64578 12358 12345 78697 46531 45678 98760
63453 34125 76545 34127 76897 31254 78695 32187 65348 45639
76454 13256 67890 12367 67890 45635 12346 56347 75647 23419 =100=
53478 23108

CFM NIL QRU? K

OK ZVP SLV K

BK BK BK BK BK BK BK

BK BK QRV K

BK BK QRV K

K K

R 396 0628 K

NIL SK

NIL SK

5897 kHz, 20-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K

QSA4 QRU? K

OK SLV K

BK QRV K

K

R 64 812 0623 K

QTC1 ZCZC K

RYYRYRYRYRYRYRYRYRYRYRY
396 101 20 0620 2517 =
91892 40783 14341 65003 89459 45177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47116 97070 97880 29152 24552 54435 59460 74946 87355
40255 67135 19984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL SK
RPT K

5150 kHz, 20-08, 1713 UTC, CW + Baudot ITA2 50/500

GKLS
QTC2 ZYC K
ZVP K
BK QRA? K
RPT PBL K
RPT K
RPT K
RPT K
ZVP K
BK QRV K
K
R 367 1720 K
QTC1 ZYC K
RPT K

RYYRYRYRYRYRY
175 115 20 1650 9087 =
08603 99477 50531 12524 78194 019:- 21371 26767 81063 75810
84751 72643 80182 28453 11514 46680 04440 95601 59500 32446
76953 66904 79911 66682 39187 55329 70916 80752 89387 85318
08823 76493 80452 37213 66518 14247 16951 01135 33811 09639
239797 76681 10809 80629 66328 82480 27253 55293 13231 81402 =50=
32281 57917 55728 76219 52387 67612 94904 78519 95399 44792
00163 51029 41456 34080 08974 83502 62957 23625 99864 27910
47130 97649 26430 30623 31871 93948 21101 52996 00985 14869
16858 24925 96923 91411 58887 17699 40219 63374 66248 42070
73628 25964 26146 18371 56742 56290 86292 61417 03421 73153 =100=
31168 47015 78455 31517 46289 44556 92740 01951 82863 9617+.
08067 74459 42887 61438 18108 -1723

CFM NIL SK

6776 kHz, 21-08, 0620 UTC, CW

GX7N GX7N GX7N DE TIGR TIGR K
QSA3 QSA? K
QSA3 QSA? K
GX7N GX7N GX7N DE TIGR TIGR K
QSY QSY 51930 51930 QSY 51930
QSY 51930 QSY 51930 QSY 51930 QSY 51930
QSY 51930 QSY 51930 QSY 51930 QSY 51930

QSY 51930 QSY 51930 QSY 51930 QSY 51930 K
QSY 51930 QSY 51930 QSY 51930 QSY 51930 QSY 51930 K
QSY 51930 QSY 51930
QSY 51930 QSY 51930 K

5897 kHz, 21-08, 0620 UTC, CW

[illegible]

5084 21-08-2020 kHz at 0719 UTC using 50Bd/500Hz MTK-2

Logged by Danix. Likely the same net as M41b

проверка связи
 проверка связи блдекот
 проверка связи
 проверка связи блдекот

блюдерко 17 11 1130=

в слух-3 выхода из строя гидроусилителя, повреждения насоса или его привода, разрушения шланга или при буксировке автомобиля из-за остановки двигателя пользоваться рулевым механизмом можно только временно

шлительная работа на автомобиле с неработающим гидроусилителем приводит к быстрому износу механизма рулевого п управления или его поломке.

Translation:

check connection
check connection blackcoat
check connection
check connection blackcoat

harpoon maiden. radiotelegraph operator
saucer 17 11 1130 =

In case the hydraulic amplifier, pump, hydraulic drive or hose will fail while towing car or stopping the engine, use the steering mechanism only briefly. Long usage of automobile with broken hydro amplifier will result in wearing of the steering mechanism. When power unit is not running, the steering mechanism is quickly worn out or broken.

5150 kHz, 21-08, 1715 UTC, CW + Baudot ITA2 50/500

FKLS FKLS FKLS DE BUHN BUHN K
3QSA ? K
OTC1 ZZC K

RYR**R**

892 100 21 1700 6789 =

25430 39042 70659 66958 89212 31507 11609 29269 38528 72304
86983 61364 31353 44473 58986 95708 42909 95742 07242 87992
98891 80515 67010 53441 14198 34400 97610 19348 61195 87593
19225 61209 26620 61511 83693 25303 32822 09303 21058 72331
86450 40823 91382 48234 68896 56963 10462 61788 77703 13872 =50=

CFM NIL K
ZVP K
SK
RPT PBL K
ZVP K
BK AR OP TPL K
BK RPT BPL K
K K
R 369 1725 K
RPT K
R 369 1725 K
R 369 1725 K
SK

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QSA? K
QTC1 ZZC SLD K

$$157\ 120\ 22\ 0620\ 3546 =$$

5897 kHz, 22-08, 0620 UTC, CW + Baudot ITA2 50/500

51

5897 kHz, 23-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N msg to TIGR. No callup
QSA3 QSA? K
QSA3 QSA? K
QTC1 ZZC K

RYYRYRYRY
411 101 23 0620 8391 =
91892 40783 14341 65003 89459015177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL QRU? K
ZVP K
ZVP K
BK QRV K
K
BK BK R 210 0628 K
EEEE R 210 0630 K
SK

6776 kHz, 24-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QRU? K
OK ZVP SLV K
BK BK QRV K K
R 416 0623 K
R 4
QTC1 ZZC K

RYYRYRYRY
147 110 24 0620 4438 =
48576 33627 19376 33520 17659 35100 99980 35461 88876 35465
99175 25341 88411 11992 22883 44775 66552 94876 00912 36421
18576 36452 17485 77410 89619 24401 38274 11987 88000 55535
35275 33647 19980 45465 36482 17564 96875 41077 89225 34879
99004 26378 17429 52831 85968 90290 11836 22437 84639 19746 =50=
73849 77490 41975 82938 10489 22401 52381 04928 47381 29485
40243 41358 85341 42372 27342 19457 25710 56237 61983 74591
00394 49300 28574 23758 12456 65431 98743 65421 12457 14821
90483 47238 19934 27774 92233 44445 01222 88412 42956 22348
01294 22145 63421 27733 28813 41000 44852 11942 11473 47281 =100=
04239 44832 59983 16666 47382 77774 28394 1 47564 99410

CFM NIL K
SK SK

5897 kHz, 24-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QSA4 QSA? K
QTC1 ZZC K

RYYRYRYRYRYRYRYRY

416 101 24 0620 1967 =
91892 40783 14341 65003 89459015177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL QRU? K
OK SK SK
BK QRV K
R 147 0627 K
SK SK

5150 kHz, 24-08, 1713 UTC, CW + Baudot ITA2 50/500

KLSF KLSF KLSF DE
QSA4 QRU? K
ZVP K
BK QRV K K
R 819 1716
QTC1 ZZC K

RYYRYRYRYRYRYRYRY

299 116 24 1216 8436 =
76903 61188 22136 96096 46728 92873 98671 22343 95437 94994
50307 17305 52732 40230 09887 93369 92720 71488 95591 84693
9338 (incomplete message)

CFM NIL SK

6776 kHz, 25-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QRU? K
BK BK QRV K K K
R 417 0623 K
QTC1 ZZC K

RYYRYRYRYRYRYRYRYRYRYRYRYRY

179 136 25 0620 5663 =
27822 23712 23727 23478 23871 23792 87321 53931 83292 23710
23782 23718 23741 75226 6523 (incomplete message)

CFM NIL K
SK SK

5897 kHz, 25-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N msg to TIGR. No callup
BK BK QSA4 QSA? K
QTC1 ZZC K

RYYRYRYRYRYRYRYRYRY

487 101 25 055

417 101 25 0620 7510 =

91892 40783 14341 65003 89459 15177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL K
ZVP K
BK QRU? K K K
BK BK R 179 0627 K
SK SK

5150 kHz, 25-08, 1715 UTC, CW + Baudot ITA2 50/500

FKLS FKLS FKLS DE BUHN BUHN K
QSA? K
QSA3 K
QTC1 ZZC K

RYYRYRYRYRYRYRYRYRY

717 125 25 1710 8326 =

56716 04215 16480 09189 93401 20780 55419 14024 15986 74799
15367 84240 80711 21283 31318 00937 44387 07063 21686 73641
73249 73133 58523 44401 33237 13732 10402 21916 87359 99595
21648 05772 19335 35762 81362 01124 28503 61547 59564 15913
94227 01195 31551 02140 95220 18660 74380 16422 97381 71258 =50=
14072 26475 40176 23021 14146 29122 11773 49345 99167 84002
80641 33394 05887 77601 72030 68702 35519 63115 37070 37178
62157 52493 52106 86945 36936 88646 06252 47113 99570 30751
62586 08811 75125 90099 52685 40296 83113 73367 28237 88561
27883 45173 16965 89177 89500 30726 30688 85243 30828 54391 =100=
73978 81679 75653 95341 81777 16161 36905 79663 04394 74204
09782 69083 33720 67595 52444 15814 09563 68893 17862 45371
00339 58327 85454 30805 83925 -1735 K

CFM NIL K

6776 kHz, 26-08, 0625 UTC, CW + Baudot ITA2 50/500

TIGR wkg GX7N i.p.
ZTH PBL ZTH PBL K
ZTH PBL K
ZTH PBL K
GX7N
OK K ZTH PBL K

R 423 0628 K
QTC1 ZZC K

RYYRYRYRYRYRYRYRYRYRY

141 101 26 0620 4751 =

141 101 26 0620 4751 =

141 101 26 0620 4751 =

49665 76743 34879 19876 94566 83433 93276 85476 71105 65843
38785 65943 94634 57085 38686 95831 76864 77453 61210 76043
85648 65639 96310 87956 63298 07657 93309 65767 74537 85760
45396 76833 99034 65427 77120 86754 78797 87845 03438 76943
48785 95764 29675 02548 76753 40065 87641 74947 87954 76878 =50=
65676 94398 54982 10978 74541 97864 76743 03436 73879 16340
65634 98453 73129 76054 87396 58680 71208 99532 87630 75310
86698 75493 85506 63328 47397 47200 75648 28761 97684 08231
64873 86752 29104 64739 65763 53476 97634 44627 97532 98756
47687 66387 98976 75649 98721 49301 76573 87301 64730 76754 =100=
54873

CFM NIL K
SK SK

5897 kHz, 26-08, 0625 UTC, CW + Baudot ITA2 50/500

GX7N wkg TIGR i.p.
BK BK QTC1 ZTH PBL K
NW = 423101260601836 K
CFM CFM NIL QRU? K
OK ZVP K
BK BK QRV K
RPT K
RPT K
K RK
R 141 0631 K
NIL SK

6776 kHz, 27-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QRU? K
OK ZVP K
BK BK QRV K
K
R 428 0623 K
QTC1 ZZC K

RYYRYRYRYRYRYRYRY

162 102 27 0620 3115 =

162 102 27 0620 3115 =

14564 46584 76456 45768 14248 67853 18954 97641 14680 58432
54674 67455 46756 76545 76546 34564 12345 76589 74567 86758
76545 46756 64756 47656 67576 75646 56347 46576 78956 34125
56756 43524 67589 31244 64576 56347 78967 12345 67854 12309
67545 23437 12344 56476 34567 78968 65476 63547 1234 (incomplete message)

CFM NIL K
RPT K
RPT K
RPT K
CFM NIL K

TIGR TIGR TIGR DE GX7N GX7N K
BK QSA3 QSA? K
QTC1 ZZC K

428 101 27

$$428\ 101\ 27\ 0550\ 8431 =$$

91892 40783 14341 65003 89459 45177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47116 97070 97880 29152 24552 54435 59460 74946 87355
40255 67135 19984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846 00000

CFM NIL ORU? K

ZVP K

BK ORV K

RPT K

K

BK BK R 162 0627 K

R 162 0627 K

R 162 0627 K

R 152 0627 K

BUHN already in progress. This time on 5152 kHz. Early start

33736 64938 89707 45058 73284 43005 85610 08680 38021 24115
-1714

CFM NIL ORU? K

ZVP K

BK ORV K

K

R 824 1718 K

SK

VVV GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QSA? K
QSA4 QTC1 ZZZ K

[illegible]
$$177\ 120\ 28\ 0620\ 1948 =$$

18537 38492 54831 95732 75936 76638 94754 83654 73856 75839
66583 93857 27451 54832 65934 73263 87632 67427 74285 82746
85532 85631 75643 64521 75632 85632 27583 95721 46327 95632
84264 75632 64583 86743 75834 82474 74727 77341 95734 07847
85623 65931 06732 86928 47218 75834 82045 73651 85632 84941 =50=
37531 75632 74628 99093 75323 85719 85734 84736 85737 98543
43795 85737 86757 87347 75664 78548 95737 75839 75834 85864

48567 38547 43753 76839 76849 37543 86743 86720 78542 85734
37537 74239 74810 75839 78538 82440 04763 76849 63412 74351
57230 75329 10481 03253 95731 64537 75621 57383 17849 18475 =100=
18546 73451 75430 74912 86473 95739 65018 75463 84712 47508
37549 37561 45692 65921 97563 73542 94612 76023 76591 76332

CFM NIL QRU? K
CFM NIL QRU? K
OK ZVP K
BK QRV K
R 433 0628 K
NIL SK

5897 kHz, 28-08, 0620 UTC, CW + Baudot ITA2 50/500

TIGR TIGR TIGR DE GX7N GX7N K
QSA3 QRV? K
OK SLV K
BK QRV K
R 177 0624 K
QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRY
433 101 28 0620 2517 =
91892 40783 14341 65003 89459 45177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 79529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

CFM NIL

6776 kHz, 29-08, 0620 UTC, CW + Baudot ITA2 50/500

GX7N GX7N GX7N DE TIGR TIGR K
QSA4 QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRY
134 110 29 0620 8159 =
134 110 29 0620 8159 =
48576 33627 19376 33520 17659 35100 99980 35461 88876 35465
99175 25341 88411 11992 22883 44775 66552 94876 00912 36421
18576 36452 17485 77410 89619 24401 38274 11987 88000 55535
35275 33647 19980 45465 36482 17564 96875 41077 89225 34879
99004 26378 17429 52831 85968 90290 11836 2243 (incomplete message)

CFM NIL K
OK ZVP K
BK BK QRV K K K K
70629 K
NIL K. NIL K. NIL K. NIL K
RPT K
NIL K SK SK SK

TIGR TIGR TIGR DE GX7N GX7N K
ZVP K
BK QRU K
BK BK R 134 0626 K
QTC1 ZZC K

437 101 29 0620 8391 =
437 101 29 0620 8391 =
91892 40783 14341 65003 89459 15177 26825 26516 04048 12512
82159 29537 47349 16589 19335 36780 99226 34509 44688 51629
55880 53644 83507 16166 01181 15489 33444 69754 33986 79208
03111 25763 61835 29726 35024 61502 30544 86954 24607 35809
53478 03963 39504 99286 92075 90003 97854 66982 43196 78529 =50=
31248 75095 50245 82172 51693 26298 14150 94623 37383 16624
00769 00741 88693 61843 38296 60244 84483 38533 71350 63168
62811 47183 59707 05788 25152 24552 54435 59460 74946 87355
40255 67135 49984 46604 67853 65200 94239 89913 65456 01261
82099 35467 75199 39041 52817 62008 39338 46394 37461 47184 =100=
36846

5150 kHz, 29-08, 1715 UTC, CW + Baudot ITA2 50/500

FKLS FKLS FKLS DE BUHN BUHN K
QSA4 QSA? K
QTC1 ZZC K

973 100 29 1700 3456 =
05728 48674 69041 71636 82673 67531 99475 27962 33881 36873
38513 22195 62467 37817 15630 52012 73989 27174 32443 69365
68277 37724 66392 10218 37907 06782 96218 75035 25330 47300
65827 16140 42258 48575 04201 57413 02305 15125 77917 73216
91356 63054 25552 16151 93639 46591 41498 55058 13187 25227 =50=
77818 85225 75525 67555 99300 90004 28016 75072 31091 82573
85202 65527 78328 05535 49580 28446 59224 65223 69509 03530
18330 22824 87319 80893 91031 66434 45689 09603 90981 00309
62863 13847 49827 65478 00391 05506 93182 81997 45970 37724
11849 05707 85592 64346 61528 01766 35931 32633 54371 72730 =100=
-1717 K

CFM NIL QRU? K
BK BK BK
RPT PBL K
BK RPT PBL K
K K
R 828 1723 K
R 828 1723 K
SK

6776 kHz, 30-08, 0620 UTC, CW

GX7N GX7N GX7N DE TIGR TIGR K
QSA NO QSY 53544 QSA NO QSY 53544 K
QSY 53544 (repeated many times)

5152 kHz, 31-08, 1712 UTC, CW + Baudot ITA2 50/500

KLSF KLSF KLSF DE BUHN BUHN K
QSA? K
QTC1 ZCC K

RYYRYRYRYRYRYRYRY
822 117 31 1700 3574 =
21079 54562 01364 54818 07778 87532 05547 39347 61708 57307
91814 83996 14250 73310 29217 25199 68761 76070 10708 96967
08318 67866 91468 93611 28808 95338 65490 45354 53058 80172
29267 02857 63737 15005 65727 16057 16002 06420 38822 03981
80163 20869 26796 78131 25707 53970 6_234 11590 82416 20230 =50=
74308 31178 22799 17106 18543 63209 69602 30339 96075 07998
45401 32486 34683 86714 59396 03185 22411 83667 15345 06516
34209 90721 33623 76310 95123 86418 58001 23849 22835 69180
63798 55556 60110 43543 16207 80169 94527 58977 93868 82370
10066 12072 15430 55329 86920 96533 86452 49011 84701 35908 =100=
66465 18049 96035 66354 02228 32583 07799 32650 21081 34422
41993 68229 15782 56457 28632 41755 91539 -1715 K

CFM QRU? K
ZVP K
BK QRV K
K K
R 832 1719 K
SK

F01 – FSK 200/500

15854	05-08-2020	1840 F01	FSK 200/500	(AB)	Russian diplo/intel. 5761 00000
13543	05-08-2020	1850 F01	FSK 200/500	(AB)	Russian diplo/intel. 5761 00000
11126	05-08-2020	1900 F01	FSK 200/500	(AB)	Russian diplo/intel. 5761 00000

11076/9164/7316 kHz, 03-08, 1015/1025/1035 UTC

08144 67308 86791 35842 30883 38172 75677 96755 36153 59344
12188 15276 22160 24270 50635 73382 25923 28669 97715 20059
44877 97284 40019 77587 12084 78707 11871 49499 79748 81690
70687 66126 90721 51417 72052 28689 42676 09144 61669 37851
74652 03655 26408 17692 30648 47978 71621 71016 79947 39789
16912 26964 98883 88944 27545 66828 43702 00578 23702 39042
69235 87205 34740 99257 73062 08273 90670 36465 69838 60574
68022 71084 25498 67997 32296 35961 06003 44012 44179 76213
20326 25359 21728 28871 62369 00364 75684 68220 81483 80315
60128 27831 36302 87353 05656 35161 11551 57294 27252 19706
02543 80830 24070 80622 97026 31560 13285 24760 09102 54254
65220 11033 44850 11829 31930 62094 04414 14440 86426 29212
50172 79139 14742 21324 95730 93550 28003 34176 95385 81966
86717 40507 38775 97341 54458 27195 80389 87591 23124 90325
58633 09650 76967 24095 84121 89715 87591 64513 01909 53133
57075 73814 57325 72331 51446 76538 20117 06272 91660 83205
46574 29837 94297 62529 84334 76599 79145 48095 49549 43404
85871 90458 31100 30205 66959 90582 01558 13596 49101 75568

39560 77468 80244 02601 93309 49234 04457 02056 39867 15055
31823 95713 19939 12513 95537 50994 52831 24158 13403 57177
61278 20373 95902 34522 60815 24991 68043 12242 93384 02111
97160 36265 09884 87529 43861 92707 31307 13253 78303 58020
43203 98501 28995 11726 03114 05667 56294 72687 65689 84633
67814 44859 55167 53934 17900 83440 39904 92139 58382 17381
88643 37962 32782 89166 13209 22465 31165 97833 27311 81855
47827 56140 76156 24276 08994 97832 16546 49032 62736 95954
52143 41706 48274 78119 53613 93586 86862 49702 18308 18846
61449 60869 49188 67915 77291 78402 57679 60484 20709 48240
20128 86574 58180 59682 42573 49103 42951 47186 13494 46405
21347 90706 49242 18117 55992 00504 61831 02895 08100 97357
03777 81367 46032 24141 69684 02798 72326 49663 59248 18863
86357 50751 31376 73001 24832 83478 04110 18773 47309 79499
80030 65644 58920 28415 01848 75670 87490 32114 67843 59480
57234 42019 61875 45022 26229 15191 77608 17500 79838 50203
41683 53933 97286 88753 65487 00794 33558 93924 80238 68135
83822 41051 35040 38672 22563 82115 62632 15233 34600 69618
42489 55032 80201 50863 15979 64195 61451 68578 33251 50974
82091 28838 36563 61094 17989 22194 09706 43668 40452 08975
48240 21104 59560 04680 30218 61471 79693 26404 92081 76733
84468 86248 39418 95299 93247 42625 47277 82329 56424 45422
29717 06236 81659 35945 83281 74807 08264 87585 34086 89405
71917 98149 43210 90655 26903 69786 50075 94089 18046 37440
58494 39165 19554 10423 00000

11076/9164/7316 kHz, 04-08, 1015/1025/1035 UTC

14635 49023 74596 60691 57637 76291 72135 53881 48611 44095
14775 80018 18126 56421 53195 21199 95093 24992 56818 53600
80784 33097 01735 30898 84667 08514 04051 94734 95488 72693
34580 91920 86059 58410 75816 03074 75158 13048 07139 12358
95005 29724 29163 73030 37747 73427 63204 48476 79366 94372
86766 33420 04489 45737 91008 84993 80493 47988 71115 18365
54384 66979 85527 46596 70849 97997 44939 69436 34948 72966
17037 40718 67872 32965 57886 11075 00000

85528 94597 17459 22190 37247 90968 83815 54512 91711 78226
48198 83997 12434 25569 89778 47388 62594 21229 86411 92435
48317 07623 84142 94160 43692 25194 10158 88382 02216 88380
46395 08490 84354 42156 05973 36354 55896 72564 79643 03357
36798 69710 44456 02437 05214 66612 51814 97121 86372 02385
37109 38464 81019 83168 18126 25826 13089 39253 74414 72448
01303 01828 24791 61745 84388 47801 45180 05258 54590 86124
93979 38201 79171 84050 37121 13552 14596 56780 90034 80606
43066 68918 18694 58952 86119 21189 66926 43778 74956 20839
02186 03480 82195 59166 96965 55485 44748 12097 00000

11076/9164/7316 kHz, 05-08, 1015/1025/1035 UTC

05357 64605 36123 55053 06342 20619 79326 25340 21993 84298
46630 15248 82922 68062 71862 27686 47500 57869 30410 42499
04480 20132 42488 76547 92140 91131 88995 06770 32356 41152
00919 60923 03052 30505 08202 05691 97477 99630 59022 86832
43732 60479 45430 01083 82977 81340 96251 04467 29787 82321
23229 86732 63055 83657 31321 66586 20918 74037 29092 87412
98102 91145 00143 18171 69170 31585 21514 89157 86063 32395
39997 17316 23417 91331 42297 00787 70053 18106 79973 87381
90109 33769 35108 46675 02229 60425 37638 00391 50262 68470
70275 90780 63902 73531 21973 91679 32703 00304 75852 91917
41910 55471 42551 05793 43555 76892 74914 90274 61229 51248
24968 73635 51990 17327 29120 25195 73843 97152 32520 20868
32213 22122 88512 84196 03864 46354 94133 07559 61704 64432

47572 83243 48893 75732 38547 99076 75717 62511 07527 78275
37644 73966 34740 68245 78016 33422 44902 07975 43805 10868
38611 28740 07869 27998 86327 67793 56158 87970 45908 99731
63291 47054 89591 15225 04950 70362 51410 01794 80534 38850
30943 06330 44501 99773 14355 84041 69834 77795 98653 63507
92080 88912 30118 82537 07396 24417 92812 74518 23020 97050
08145 09936 83642 66566 31389 22761 22079 86859 56128 76383
07703 41881 62533 48791 91065 62496 70440 41665 68154 41497
83133 43099 12703 88940 32809 98606 50019 95007 63617 70131
70744 92576 13252 87718 08000 36675 79008 23563 26343 43034
79251 43097 95977 52893 46231 12823 50665 16273 11188 69571
52750 10894 67667 80868 13765 38917 24017 51105 44027 68714
80956 53203 29691 13841 95202 90440 60668 66403 15054 18157
57865 27008 98892 79998 73180 98483 52532 38405 60689 35554
46350 04028 42457 67662 98141 93745 17421 37122 32635 72003
86770 19792 53608 55118 94281 20453 89531 83274 05014 60084
98692 89879 70834 97217 44727 22964 56193 50565 78494 98328
22592 15102 87244 89112 95173 88791 97003 81476 59889 52147
39120 51084 64664 67808 16911 40074 23000 92331 33335 39208
43465 17363 65655 04882 33499 82408 97992 65682 50961 26362
47737 98194 01887 69992 46748 76718 07859 46584 63265 26616
91452 22895 75491 35942 53182 77644 32766 05080 38391 29707
65274 39038 17515 33199 28235 12125 28171 81642 91489 59656
52491 88409 10446 76419 28152 35615 39302 26551 16537 08656
72500 94531 76452 58582 25330 31985 16866 59492 89637 79956
27065 53126 25570 71376 07718 97861 75285 43384 51225 64290
09581 14199 44852 44558 43364 04232 95028 67669 80911 06126
96292 37932 76845 33407 93295 38738 23780 02433 09314 68857
02555 27338 39694 03444 56007 32646 33689 96936 72224 13248
13100 70039 88191 96436 01178 47969 49801 85670 60218 42168
89139 90773 61274 92654 04999 13435 00000

11076/9164/7316 kHz, 06-08, 1015/1025/1035 UTC

57191 22365 93209 33776 00561 40510 26645 95649 89186 08719
37146 15654 27764 99766 10052 02778 47743 78401 81571 75448
03149 99186 21765 45165 32508 34913 70347 64297 41587 09018
92524 73977 86611 30438 47022 13033 62665 54349 83521 73883
26949 17218 11669 16360 11591 19606 08860 75357 05698 55167
58973 23286 11331 09282 39263 73235 03093 75738 97565 33802
46019 64941 87040 51519 51453 02041 50610 14067 00000

77073 00481 98915 70967 19981 80711 47196 41269 82299 77909
18936 17274 91720 86371 39785 73104 23232 77874 27887 70740
18050 90126 04857 58668 95630 80540 33425 03833 32180 12535
17674 36577 04100 66539 26809 13261 19823 92890 28407 26239
88453 48813 42072 15887 98675 86675 49439 64376 06335 85693
21461 75865 54167 78668 44448 72804 72081 75238 87109 63048
31451 70957 50581 57448 51846 30824 18971 42628 83643 68033
39767 38618 14959 37971 38996 96040 76319 55373 75762 12536
41548 92438 01565 73111 48253 75088 10338 44105 86405 19558
90161 75452 28409 76500 12555 15095 00000

11076/9164/7316 kHz, 07-08, 1015/1025/1035 UTC

Null message; 5761 00000

11076/9164/7316 kHz, 10-08, 1015/1025/1035 UTC

03475 65944 56443 49232 87318 36867 47206 71975 86589 65584
75551 52238 54331 05083 20254 28116 77088 43431 73397 93693
68625 41133 70861 70234 19606 48250 21731 71991 20409 87266
66326 15088 99286 12600 17527 42903 43035 82711 65088 66399
92371 05763 47634 42824 29213 44727 22006 41231 98029 92928

84673 68259 28471 55913 24876 52595 51448 00619 14189 11573
25865 57760 62211 48328 18169 88371 93042 52974 01940 50457
22261 06202 69669 26666 39065 08766 73942 98945 23287 85292
40203 81105 51953 35829 18281 45225 75083 33600 64884 02848
65418 92373 74233 26903 71754 51913 99024 25280 30586 54921
28914 02006 15734 13927 18715 66954 30644 91555 83479 80031
73059 42611 02669 40765 26737 91411 00593 59251 59900 42824
95301 69376 35123 50416 33131 70268 60325 90184 51069 06906
35565 13282 34151 25822 75326 76185 60053 66850 10980 71748
48094 76837 03099 09562 54800 56268 18340 19076 83254 74738
50554 73909 98400 16210 90821 60787 65484 39994 76104 41549
53832 68393 71198 81657 73154 36931 63676 43648 34542 68137
76496 68959 53370 54782 27991 96581 36281 63541 93888 91954
19430 94993 51086 84557 50195 60912 07842 37634 29532 64778
50085 98474 57155 96448 58521 02712 46743 76924 76227 31048
03349 14163 31431 41869 80203 55846 45137 28171 57109 50071
78320 72241 07591 49888 98347 96533 47010 22614 69327 34167
78827 49882 96074 67492 81192 29341 76376 08172 01048 13954
41241 17183 47956 49838 87830 88218 04803 98570 34750 42891
97595 54909 54388 11196 91524 95854 62005 95666 05484 22005
66231 42659 62235 77129 10691 69195 16409 56902 61422 18825
27511 42732 19788 44911 70159 21633 65556 44812 98688 78061
59852 93365 08362 68667 62656 49135 60331 15889 44537 31846
62567 81338 97321 94445 23933 04907 73365 38239 23583 20526
08130 44522 62888 84536 05753 21154 92063 77583 92281 87516
28695 65986 66284 46283 10344 33521 01500 15444 48421 19549
81233 19023 75523 24431 69178 59924 03410 68161 46341 23342
33808 13169 68781 84177 89247 87207 25832 16895 56090 67287
03492 31261 56968 10575 82693 82391 94787 43208 27108 28565
35519 42956 40198 35215 21929 76659 96192 48557 35468 78405
74674 87285 48487 79350 53472 25767 33968 25146 39535 67181
24971 41902 42486 30037 40965 36619 20544 96504 23255 43029
53483 96007 46661 48792 22345 22498 99669 64967 00570 08865
50222 23714 86235 06912 39336 15152 30110 46329 69744 99316
39183 71121 81748 54152 60375 76898 33459 45474 74109 97495
27618 29847 52438 14341 52197 26304 61404 87012 26949 17856
12326 28435 73100 68721 91702 73126 48383 68217 24415 11966
14581 16421 00000

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31314 67596 39030 94076 22615 76290 46871 72251 93770 60706
48381 58093 20203 07797 02507 42312 10321 08891 87359 97763
14910 25415 22548 59868 72954 36739 02154 60242 23568 18583
80541 24497 38728 25438 78190 70132 56497 75422 99725 65467
19419 61015 81350 35540 47779 34113 09861 25922 02418 38831
80423 60376 16779 90505 85319 53305 02883 24318 50822 62915
60919 61990 64419 96046 47134 69978 59542 00598 79706 07615
50011 06486 87303 88621 31373 01084 29999 04448 91315 17079
00000

90724 24003 29836 52054 32527 27435 17844 39978 79830 43689
04324 31145 93086 14928 74677 00493 61596 35784 17670 44842
09491 01987 62309 36073 05319 77053 05067 25947 29935 50488
94609 38534 82379 85919 66242 11176 28427 82616 43244 69913
21511 98826 47289 50336 50684 10358 85133 99770 95327 02862
03758 21757 91281 21240 31162 48748 38092 24619 44985 53969
02054 20327 36144 38373 94744 75317 59687 53634 31738 28462
90031 47112 01173 52170 22792 39726 96877 36756 90373 72676
95735 95998 83523 18083 00000

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06572 84731 76818 07982 63841 00406 79855 36622 25006 49461
08383 30974 32579 52643 82028 43643 96936 73526 52135 73700
00217 31763 36762 85444 08913 59790 72977 13599 18592 20185
72364 84619 79180 25845 90698 08802 74260 30193 47715 22877
52796 79592 57909 87784 36747 45147 58321 71308 52997 76090
44217 70263 63033 41942 48624 51917 88818 55626 26656 19344
58297 94721 30549 30386 18959 63061 86369 24921 92912 59836
08312 40109 71899 48416 11538 18327 75684 42058 09479 37456
22267 48702 06559 18227 83343 42035 22261 88301 23459 51010
07477 07773 46291 85011 39079 85795 96501 36849 03661 42996
90586 30779 06363 99390 75173 07726 65739 92460 36193 64895
80604 55109 07371 91984 79774 08157 51468 71141 90668 47075
12723 32896 87692 27655 63907 85231 06343 80278 96462 57986
33969 07499 27133 29776 13142 44605 19541 29627 18550 87859
44141 30495 93367 20107 24994 76873 56038 88427 46790 13672
13406 13529 20564 08545 41121 35567 31544 84870 17288 26078
17561 07563 20249 20711 51465 88895 26491 52449 25984 06542
69566 90009 64457 51001 45997 11099 05888 44615 79089 65229
37753 99350 76592 05767 74997 05532 43140 95903 08662 68732
33425 18252 72577 36985 57021 42728 01561 85518 70811 32434
79551 51200 19948 92208 01133 33872 13286 89546 94863 06771
44227 02564 81864 03215 92911 74703 68099 71747 70689 80868
93783 16932 92828 34667 88355 67967 90365 91457 04456 42336
97065 26879 29350 96646 72416 95567 97222 81879 46589 99725
50795 45212 98314 22243 25694 45612 01609 04066 56012 75390
02274 70478 24496 04894 10136 36006 05801 92539 17927 42619
76253 27355 82782 10920 88551 96239 31257 09011 34843 93107
73823 68722 46620 12125 39777 03896 04876 92206 68492 10397
58937 04975 17959 52563 77444 03361 76543 65762 79881 73042
88912 29747 22117 53893 32051 92502 34391 23647 02318 49273
35173 60951 99469 06439 69338 30007 18603 84959 44102 53971
85933 43047 61140 69325 99372 22765 68341 78383 59813 50241
79627 42129 04091 44185 36272 80579 75523 12388 08164 72851
93007 40903 58455 74119 04571 05585 20012 91666 36341 60686
57132 87191 72864 84183 10948 97581 29706 84537 51959 91327
04271 98561 88133 02768 15792 35091 02007 11359 70412 44146
15230 58146 12298 16261 03993 16633 46730 41687 13765 60227
46105 84140 46784 93467 74781 48784 20751 39194 93711 49150
22134 98868 30800 02655 02555 28236 27912 09437 91672 95485
00497 94161 25009 14141 70724 15521 10153 67825 60116 73083
79783 69125 52570 66197 04943 19712 63742 84639 67002 63924
77707 35680 11763 52998 36850 37265 34109 62124 95907 32003
66683 27528 76114 01632 70985 95751 80383 86668 54365 02343
55459 19431 00000

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90158 30720 97804 22036 49270 51003 88375 48298 85785 50527
25338 02779 71290 67283 73921 62974 24972 30772 24478 69880
72985 52600 14206 80360 29011 23025 78656 68429 19448 30658
18960 05156 01669 47488 95724 71864 48775 46432 85515 86327
99305 43586 60885 46626 95308 82377 79863 22386 57245 01796
95868 48050 69131 55892 23958 97905 72387 76739 24367 47520
91803 98030 89271 51302 42079 81515 43709 90861 88360 13458
96597 73852 59228 63287 02792 87996 35553 21666 22109 39969
63676 60116 86263 33835 66338 79433 09658 20087 00000

31910 46813 08115 88624 86500 04091 16050 35552 54952 03231
35098 42365 21010 64090 45285 87887 47226 16604 57098 03620
61486 27117 11910 19654 05334 33809 27829 37639 17569 58374
26890 10493 51518 86175 04528 33529 49445 32029 27276 76702

22528 33825 69629 12655 09834 41174 25999 20251 14741 91252
58703 68286 42234 89044 67933 09059 85524 34167 94627 36497
35413 61469 92194 88516 10857 87575 28022 98312 34151 80590
00701 24260 99192 95118 83925 13112 06232 39819 32972 76194
61580 69656 14728 83270 65685 20051 47185 03768 38030 25107
59347 21091 00000

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Null message; 5761 00000

11076/9164/7316 kHz, 17-08, 1015/1025/1035 UTC

26910 46273 43847 40001 09798 66822 31737 78128 58556 24946
12644 27383 94741 86984 86123 99781 24609 90056 41937 40003
25927 69855 67807 07929 79416 11599 72899 39787 93254 66303
37961 42612 94084 99585 28060 01680 82968 65164 28857 05623
79713 20262 92354 18915 04023 25083 03048 56398 66891 93566
00433 39547 70701 87593 18793 39172 41439 71839 30211 34217
41484 71458 01742 41374 36400 99787 02680 95177 14163 48255
22865 83275 80279 55691 87956 66568 77208 99208 82627 38891
01545 73867 17590 05939 17391 53282 01425 88121 89359 48383
03116 77021 83642 06508 16259 00161 10580 18010 60859 73754
07178 22576 83669 48136 82996 32440 42994 75554 77861 14673
88913 55011 04825 99746 74843 33844 76821 08560 61394 70733
40449 15093 98436 89820 65321 86915 96341 80631 62415 70695
22311 23482 29872 14922 82742 45065 49668 47031 77570 33899
83605 47095 37518 70323 42052 85302 80188 50740 23884 15376
45955 10773 51045 41148 99560 77044 46176 98462 08387 02255
26755 19599 33313 63244 14167 72400 93119 26736 81162 91296
88354 12439 86127 42413 95616 08205 67609 89946 68182 16919
97531 55995 03923 39821 16544 91036 66436 25938 99927 97238
70348 42315 27515 71789 66704 44739 56046 62429 89397 53634
17407 52383 48575 64824 91176 16874 81947 49842 24940 18404
99946 25481 00780 32992 85676 97268 71407 24561 35575 06556
14354 09649 51748 35906 77668 79647 21887 52474 15556 72741
47737 94057 37394 12750 08026 27517 18566 57037 66810 34239
46552 20710 63163 02345 00705 69255 43156 30322 89156 96836
20051 71767 91299 32408 73665 75936 79256 40864 24825 03772
16806 11382 45858 24119 59178 50166 93060 19793 02170 19775
72067 58208 54016 92213 72079 06236 28447 07987 29866 93995
82379 58290 09500 57254 46670 32546 08745 13126 23380 98445
28045 48767 47967 06706 63047 27739 39875 37717 06598 43738
89924 32273 71146 76376 57963 73578 67501 28697 79210 12697
00871 51122 02722 54661 70191 81509 10435 47404 81193 56007
90200 40711 10638 70406 61273 07385 80151 96655 75665 43797
28117 84254 43830 92029 89032 01183 58090 50777 16802 94078
12259 67214 12801 72341 40895 27003 44673 45839 26623 84635
66780 70926 48946 01290 78253 84448 73020 82399 79579 30417
01791 32116 13660 09053 39949 66853 02277 02878 43152 55096
13912 59549 50919 75674 23846 36109 26672 11680 52482 34362
53327 22207 92835 82040 57904 59124 63106 39465 63568 21044
45304 36383 92553 61695 95832 68658 68404 94867 38992 09528
90969 63134 79327 15084 82584 62530 93758 28692 28889 40369
89435 14009 62705 08398 38255 71319 64427 38470 23975 16842
77337 32927 62860 29727 61322 86866 83802 96408 33385 84506
78854 22431 00000

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62208 02411 74210 97546 12782 91135 65797 38533 49278 12986
79589 68791 99939 27500 79968 18609 33075 35571 43146 02810
66622 21012 33770 47528 20784 07460 58183 00288 87155 97799
30296 03066 12809 88290 10976 33035 22739 74595 06925 40666

29141 91881 39955 39884 00933 56201 22622 29962 91973 99319
01136 53839 51405 14196 51497 22553 64570 53291 39796 60473
97921 46898 82605 51024 46384 33676 68408 87578 06588 20579
26005 59222 24422 14374 50819 26062 90340 91917 25062 63778
80862 23081 00000

72626 08073 78197 34907 82033 26195 67913 97278 54141 44534
31317 86409 28246 96648 96626 20522 56072 19265 12972 47783
66026 67282 94188 09017 95515 69118 64266 08725 64770 89564
40404 74083 90602 92355 14591 06623 63556 19632 19671 56271
36859 30482 90804 72447 00640 65753 58290 11887 39829 31330
32662 07904 99193 17038 68016 30758 03938 93399 14495 93828
09303 53395 95865 85267 77613 91440 73141 29840 06203 36750
80167 10619 54649 83291 42123 05235 44774 83500 12870 16363
31824 97961 92080 01136 70285 18228 08098 29171 22768 04972
77447 23894 85384 08660 76952 66858 28080 24097 00000

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93410 05191 08033 21559 08826 83717 77745 04631 42330 69997
43060 01458 81176 54855 05928 35940 90532 67525 04491 33625
47339 13684 46987 09989 75435 19827 77390 17401 74141 44930
77482 74217 57485 45345 35035 24448 46264 03834 32792 01416
80118 58722 37941 93867 41826 94076 96762 37961 10973 76854
64135 83564 89221 51967 22605 08316 64344 31192 70678 77867
05206 36864 85048 75765 04904 86296 86437 51392 14230 27859
63733 59412 32656 64649 36115 89161 49027 26707 57861 07417
49148 77698 95513 62974 32451 67005 32096 26492 04934 63170
78067 64016 40556 29621 93707 67642 28280 28621 52610 91734
46940 64375 00977 68158 35135 01241 92401 98949 48326 17968
02835 49860 20332 83911 55400 93225 71399 68160 09772 73584
30053 17508 95785 94486 60893 64206 95976 49932 15542 49453
06733 48880 48924 73526 32742 06257 68061 08526 94436 98902
05580 34643 53107 09909 35107 85911 83382 09759 70753 16359
47760 47728 17865 22512 52873 51980 67229 83184 92186 61784
49929 02492 04800 40299 95021 67019 05063 41369 57252 53092
62666 28755 06957 45081 37913 71241 99368 50679 01861 62070
65509 24088 96000 36116 91843 33053 11184 83264 80892 30684
90476 81407 09993 17999 85617 97519 30388 08122 21785 30223
73839 28092 50349 92301 58938 19191 94302 56600 14326 21757
16048 13724 60977 55398 62243 15007 20774 30566 65383 99164
43518 52397 06804 26077 69598 02798 70804 66137 70489 11668
44565 18605 34264 53240 43558 57403 88320 28445 67134 27789
76499 19249 13967 42343 32780 25903 12053 49719 18757 23044
42948 74572 17058 95576 64934 52126 97923 40274 64791 05806
01103 44049 92872 41368 00282 74813 61177 55980 42210 45878
09084 85673 77722 39822 66457 39616 26853 02776 68805 94636
45202 45047 04171 48440 83775 09038 96448 54955 59457 90377
54822 90245 78321 23223 43992 22426 78961 65651 54903 84016
88024 46087 80634 70185 05143 56708 27168 11292 59443 04756
13690 93202 04836 57694 42152 23782 46246 43159 40737 69022
14002 89618 10953 07236 28549 18709 33018 74752 22684 25155
09245 01560 13499 05232 50087 60314 41217 19699 32561 77182
17112 02143 87087 79254 76941 48670 82809 67676 27359 49882
45006 67851 16673 51072 86051 58620 48500 51588 52858 00389
29140 79289 41524 32716 26675 01034 93551 74114 63716 55148
01912 71162 56729 16800 81674 70375 69125 32220 84869 11264
70313 82709 64271 64027 17898 64373 15801 60304 05206 94505
54232 90434 41336 80581 01876 65659 55910 12779 94950 68703
45725 65975 37308 41168 05483 22153 56215 81182 09791 49151
39874 49746 38622 96708 61362 09199 63414 95720 18694 42256
36006 25421 00000

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55752 77056 21779 55566 96191 86887 48852 79258 49938 00318 80795
69478 86269 71717 04377 09650 45234 90950 92036 52576 18845 33101
69264 51070 72999 11810 00041 78921 21057 90914 63788 09383 85010
34078 22254 43358 05206 97093 99781 04494 84514 92545 25395 43345
77935 81535 10130 17816 63533 72130 58072 42051 55662 29247 34509
20978 46419 25649 39655 12681 86251 88739 61382 85785 39661 22847
05387 64066 76951 11683 26239 75431 87936 30666 07751 47503 28571
23798 66090 16958 36417 24771 74094 44833 75908 27010 30207 54967
99323 26089 00000

10547 37847 24279 83054 19905 93460 04965 92064 55267 33835 84711
80450 46927 48106 72545 85114 13257 72449 45903 51032 43078 45667
47307 08371 49995 24636 80357 46191 09654 14307 78470 49911 15831
91938 44816 94741 16318 30266 86886 12248 14533 49270 94119 72258
47777 51261 32039 47288 78104 18938 51328 51662 56714 81134 35283
72546 47828 75917 34088 35051 22965 65749 59337 68606 61576 84373
37250 66793 18952 20141 44023 57827 47363 65436 71734 27859 81358
86914 98264 64310 23153 96221 59650 11406 89064 27085 00000

11076/9164/7316 kHz, 21-08, 1015/1025/1035 UTC

Null message; 5761 00000

11076/9164/7316 kHz, 24-08, 1015/1025/1035 UTC

67501 10369 72711 14829 54213 04021 87047 44912 36785 78350
69459 27873 91535 79082 44247 38601 34878 73123 45138 16707
94727 24338 87915 98402 13641 28014 36499 15665 88392 27461
79671 48621 75648 61169 60642 42097 18456 13976 26623 22259
73212 70673 90611 74295 41811 95494 22577 67068 38656 85916
12221 35676 47218 74213 70505 57861 45837 75210 62148 85208
07450 03654 86249 15060 02923 09657 47265 14094 62695 05650
83485 29502 76407 83263 45230 48696 35202 43598 39933 93496
46394 89310 86313 59721 75182 51946 44815 38130 93111 52971
16497 77647 37952 21932 27575 76816 14693 20176 41797 14403
92337 43582 67829 55106 76192 02730 53859 91298 60320 03949
86584 06740 89866 79680 36791 73204 87933 41603 18695 15952
26692 54936 55246 08984 47416 57382 66575 86025 59139 71131
23766 78166 70604 81373 35160 14098 35202 79744 57357 43885
13588 96160 48117 72215 83661 67464 03337 12051 52599 16319
45305 94635 50617 38809 54410 96783 11171 24152 61488 71387
67257 54992 43013 92092 18529 61686 86294 48067 48883 29040
16893 49805 99240 78915 05425 31903 25179 77159 95948 63748
94117 38287 23121 04053 01743 26353 10313 60175 12360 75451
65868 38162 52853 78288 19692 94448 14955 16249 67362 25166
45494 29415 13948 53967 29328 49953 34718 04346 94631 47330
94936 67347 95240 58766 95928 00637 49733 03397 39594 19851
41936 03555 28579 68174 12544 61613 44270 75068 96540 65848
69808 40107 86107 23726 50317 02844 23710 46079 07516 84648
55043 30599 50924 13460 96531 18074 52826 67380 97065 19831
79203 98062 98667 39795 93798 19809 25761 39623 77525 75343
57756 20336 30387 14169 64607 18896 48107 44470 10061 43160
90653 44479 52252 93653 84845 44262 96367 45594 28227 13845
79032 89607 86403 18627 89133 54573 01016 28017 54749 61036
50549 88232 50884 78625 31166 95190 07691 85907 49737 28442
23865 56124 46276 32066 14908 17245 87948 53492 50937 59772
01855 76149 63735 90741 38772 06922 27726 57347 85033 04308
44563 88632 64746 58252 86020 28693 99525 57574 74866 59808
17940 05920 08422 38964 31842 72203 54473 96182 21793 86448
74242 68114 98745 16977 52089 65311 34195 89887 36650 96640
75965 36755 23073 99256 91831 81486 31073 47577 08160 02283

58457 39707 35760 29626 14843 84733 00123 66246 65223 39343
18251 39996 38096 67190 89248 25574 77824 19456 90874 96029
45922 60039 99240 89995 00960 83812 73834 05579 11761 01379
75072 56844 83596 88773 06553 53844 02050 25549 99201 92110
24244 69662 79508 62559 72125 42633 89025 17748 07479 23379
47324 55412 93372 74191 75597 05229 71715 47270 23096 29735
11617 45261 63582 75348 08231 34244 53988 34423 36779 32590
72474 04277 91436 28433 00000

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56497 07535 71763 62531 11707 95218 30766 72474 96131 91175
81176 84991 97654 76593 12803 43435 79603 75893 61683 72693
64919 71342 51922 32131 19652 14254 20441 83096 09201 99961
60578 50652 25751 98743 45470 84240 10338 59888 17155 46959
17977 31108 52338 88138 99297 60451 40759 78905 97123 72939
37086 15428 81420 39086 72286 19514 71073 77508 35411 91269
15908 58798 61718 93494 37410 02856 88092 72497 51567 86868
61677 45026 22287 06122 12675 06010 18806 54821 27238 36772
75549 19137 81397 18429 77868 99628 21971 29087 00000

23521 29932 06967 13856 65869 83825 38284 35055 71804 97474
47773 95661 75303 90635 58611 08504 00246 56413 79846 11473
74348 99678 42257 65566 13121 25591 84699 05370 66025 39149
95626 65415 42032 41725 39478 30863 56756 35491 22615 85928
68366 71716 78490 58510 94447 03826 76757 84436 27009 31201
85976 39785 87827 44631 44630 14708 91304 09360 20131 27191
07034 46674 60494 00198 39265 99963 68381 50629 65445 96187
52194 63535 01033 38690 33905 50019 82769 92302 18312 12270
87592 46668 53408 64162 29382 68724 36558 80859 00730 80287
46147 75859 51907 21667 03426 30095 00000

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90358 30788 56401 20740 43665 88692 12046 75974 36834 99165
85904 44428 33381 45787 00825 40110 77261 92827 75696 20148
42465 27018 03039 16446 10068 36523 12614 97517 96151 44308
07018 90185 79046 38090 80180 15832 99322 64056 54711 20881
30977 76539 99033 06216 47246 60843 10242 85202 29489 71391
73609 25019 92569 52399 34711 50966 25183 33259 45065 18465
68560 15809 67256 82404 81993 95689 50465 18551 68602 84972
12350 76689 59810 28244 88206 70194 81932 29324 33359 31710
53342 30837 89701 89633 85635 13783 52347 45089 87237 09324
97304 54073 92888 39970 56131 44464 67448 32333 48494 22586
57450 68667 08583 49004 88848 69352 66302 88257 34401 23531
69188 62188 99102 10069 55992 61588 97140 76047 17848 95824
18780 64950 07991 85141 10628 11750 85934 25328 17724 47082
07067 79437 60871 77675 93593 76240 47670 35256 47760 20109
40674 11078 93304 42006 31112 18303 56062 46291 91621 49387
19679 32994 06416 20681 17347 00280 02332 21421 45521 56771
29194 09308 10546 98421 62937 19848 44127 29627 29915 81653
48585 33265 75837 54893 57842 19346 27777 35068 25057 06962
22681 89306 72866 19232 00820 17373 67157 95911 87616 54565
00310 53380 12296 58696 94857 46662 36780 48344 63491 13203
93285 84558 86342 03057 54038 13217 91500 25199 81565 10205
49682 64633 32981 96623 19001 49984 16724 16197 00769 76273
25162 92080 92278 12555 91528 05246 47489 49100 44594 61639
81556 63821 59547 40296 80160 12625 28489 39599 99541 73373
99008 63867 68207 98149 54248 17469 26232 53510 32924 98633
63091 53412 12711 10173 39972 14509 05455 29264 07491 88485
37638 03520 54757 51148 14527 65506 50730 52925 91460 82907
63788 60487 00699 86522 70463 44171 07272 43285 89275 90882
92280 66479 00597 47190 87065 80365 38494 22265 06699 81375

65474 05384 56229 63085 66088 77662 08116 97137 20306 22724
74290 87317 42627 65972 21293 38949 97844 97164 01903 10828
29408 55986 01715 41839 61320 85280 24093 69490 59511 81663
61947 82515 63617 98169 29752 74747 25107 78653 54265 92455
12702 28602 47374 92318 71006 52070 09509 52238 43307 09416
37054 02165 94468 75515 32209 67132 94858 03169 38724 39694
51255 21352 51951 23930 95655 23034 76650 18230 67935 22225
30991 29033 53298 84949 20174 32714 60438 63839 28127 27794
51371 91017 00702 44676 58860 08982 18811 05092 52372 44152
84948 48435 38518 52793 71520 67179 06890 93976 04432 18569
57255 09291 80371 04761 69034 13973 41212 38619 98995 29147
53991 37331 18118 09880 69884 11055 23546 48706 60629 38762
86582 59343 55821 48484 22654 70262 29530 31417 00000

11076/9164/7316 kHz, 27-08, 1015/1025/1035 UTC

96053 63416 59714 35342 92699 43165 76910 92784 33202 92115
53757 37003 51782 60253 09594 86742 27397 43511 04818 22684
31879 18209 81849 35995 91449 42393 40558 49246 10060 66251
59110 64382 27971 18806 96162 17426 14037 63054 35332 44607
15114 36762 57900 89612 11029 21082 54669 06627 48567 04199
12921 38870 52881 32174 39408 77305 39798 64192 05319 29212
77429 74383 24148 51311 70543 67417 98426 27123 66122 00060
96225 93262 03552 25860 43383 44332 57881 05188 42399 71131
49576 47775 53924 32083 00000

10355 22325 96476 81245 12680 20418 00057 68540 15169 58151
91223 17239 24836 46634 80767 32536 98879 02993 84960 23993
01103 01197 23429 13640 36158 12041 62820 73075 28813 68230
85968 88013 40426 15493 91219 73706 39812 35673 51637 89685
70693 52730 88749 27253 82919 57584 40534 68169 19642 12752
28332 37966 77639 22697 52375 02329 82964 80850 70613 79977
49121 29222 40525 70498 09946 91545 28614 20541 44374 65905
17262 76847 35304 87759 63629 99521 29720 99328 90304 34000
92273 86249 12372 65143 69512 67468 30589 01901 06941 49285
45377 65975 86095 79498 71286 82930 73832 33097 00000

11076/9164/7316 kHz, 28-08, 1015/1025/1035 UTC

Null message; 5761 00000

11076/9164/7316 kHz, 31-08, 1015/1025/1035 UTC

68847 98545 00245 07831 31369 52903 83830 99882 37937 95703
39703 49052 35053 48871 99630 99894 49090 37217 27389 44894
85507 78251 36576 57292 11756 90452 00714 85343 47310 37184
41576 37688 09268 48440 06666 14520 86951 87611 71802 64244
43957 55460 29738 70319 71074 48488 50743 97945 38526 13883
26110 55321 20966 68242 30501 49125 93658 72248 64078 38931
23300 78489 60358 20235 01892 94609 70731 90779 97129 28987
61571 79871 17731 11111 84885 45371 17132 03854 08433 68048
84017 49829 16260 97984 93092 19021 15573 32720 14548 49859
10908 31820 05658 00952 31513 97555 32938 55645 22898 76393
98317 46599 38475 60960 67740 92574 92241 97193 25655 64614
58431 26352 03815 23806 29074 16574 57834 97810 65410 63681
89939 88358 04082 65901 41344 26876 04053 02207 02688 20452
45185 68957 15990 55327 14417 54521 66533 50083 40468 56585
88135 75728 63030 71818 30228 84870 47354 12589 60197 17150
80196 30422 99411 73137 08041 50880 16382 73874 03550 49558
25484 48244 71174 23878 64685 15364 27860 40375 50719 54181
19786 62156 35128 77468 61084 86223 09633 52398 05464 45345
34251 34886 86677 54172 86603 09894 88787 04274 55858 54875
32141 37789 29732 68552 86009 54375 48006 32215 43831 31157
20968 95724 21979 60330 36249 05416 68012 34153 02467 16072

89326 31968 03129 54181 38161 88971 59217 24643 13890 51412
23918 78118 68525 47893 57901 81216 26397 31483 58614 56698
53920 72312 42013 85885 40396 05344 00177 90467 75792 63009
83228 35890 36431 47397 79024 23510 14519 21674 89019 63709
52474 25437 23775 47156 67962 43678 66521 56391 80606 84046
78236 84943 76279 42102 42653 56142 69945 59244 74654 58832
52968 03003 40481 42163 35827 24383 63196 36658 22183 71943
11837 93731 75231 67303 97699 60852 62278 71761 26187 34543
88468 98722 77662 58395 55622 51596 15746 58292 07101 91891
46485 32030 44645 67159 76847 35513 28128 53491 45963 32726
94148 92259 27560 01661 54417 25777 27028 13386 59858 61575
21552 26450 41377 19981 16742 63807 63226 44681 18212 64441
49895 80961 41536 26896 72490 51316 09016 86875 05510 83097
06708 96124 89975 67911 00141 94758 63845 57438 32159 94244
45650 25363 51335 13204 82290 50106 44388 33247 96929 98051
71036 67008 97926 11939 24737 55574 34733 34123 67735 37497
11709 19390 13876 56577 95782 17003 57595 00603 78894 26680
72552 88232 81166 58179 28319 46208 05726 49192 98578 44097
81136 21218 59265 78726 52354 78120 00079 25524 06166 77041
97817 98937 42026 26371 24973 89121 24254 90449 92000 67080
76506 05706 46730 75462 04480 37894 79344 47180 57765 35147
06352 19049 66809 56502 32007 32639 15901 80619 10615 39517
38144 24348 58138 53072 43324 25854 86570 34437 00000

Link 00117 via Cuba

16023/14373 kHz, 03-08, 0025/0035 UTC

11177 00117 85214 31040 01519
07601 02519 71312 06874 92445 91289 60640 94546 63995 21309
91345 85733 89553 86033 61870 51103 00454 24999 49816 39334
61561 72292 81247 86377 23725 37681 36403 58509 98024 90120
06390 83873 10050 31801 79103 59484 69290 30337 94991 94206
59561 14372 73392 44499 38329 54394 95573 90727 29050 41793
62125 39188 70527 91963 68466 72741 00644 37347 21795 68955
21599 16210 53219 76820 64336 90485 12973 80923 18741 63855
01264 85625 26913 31526 94460 74379 00226 90355 87170 60413
02960 93543 64319 10945 62591 77411 91387 49313 87938 84008
68238 50592 68528 36787 26629 70372 35178 94164 35487 33501
45707 89939 46455 56062 69929 65538 67360 26930 87652 40068
54946 83236 22470 49654 64251 61377 12108 90134 85822 06361
05742 00339 04334 24538 11315 81339 75449 67210 13776 39104
11864 34770 74530 72993 02799 52083 59656 30207 47301 67578
89078 03103 67322 15338 28580 86933 74371 39642 02957 40149
00000

16023/14373 kHz, 10-08, 0025/0035 UTC

11177 00117 46395 06041 01619
63176 97518 01170 64794 63112 47395 15910 37057 76105 65209
41370 07149 44728 20133 80026 45538 86727 02935 70861 47793
58233 60743 56907 41066 29946 96743 77503 14118 81003 58258
02446 56817 40209 61645 50214 20042 29313 27446 57478 31934
88029 24229 92050 31442 85482 44557 26494 05077 47760 61527
14551 37837 56276 39312 37598 14226 96614 96137 13313 30311
62552 43150 83720 02743 44944 47587 24837 85698 60160 93714
45075 31666 97758 39948 64608 57011 92088 95600 92877 98274
47501 65708 46434 70119 71865 37344 74298 60887 98070 05888
83027 26679 98203 64664 78678 69918 20095 06405 67847 13315
00905 09958 84988 05185 37458 10694 38180 17048 18001 78037
90540 19456 45068 48570 19478 46973 04157 88128 20950 88262
57883 81352 50943 62196 70318 72107 21341 65951 91185 03225

92368 06005 54611 28996 28817 47986 72105 98856 12217 46303
24486 35703 26162 39506 82392 57269 56960 22293 10121 14016
76807 30129 32438 41953 01667 97395 69069 53844 41043 41159
00000

16023 kHz, 17-08, 0032 UTC

11177 00117 12365 12042 02049
94164 35487 33501 45707 89939 46455 56062 69929 65538 67360
26930 87652 40068 54946 83236 22470 49654 64251 61377 12108
90134 85822 06361 05742 00339 04334 24538 11315 81339 75449
67210 13776 39104 11864 34770 74530 72993 02799 52083 59656
30207 47301 67578 89078 03103 67322 15338 28580 86933 74371
39642 02957 46491 23181 38924 51001 33000 22247 98547 86006
43758 10930 26438 67081 98164 85015 97062 89502 72817 then off

14373 kHz, 17-08, 0035 UTC

11177 00117 12365 12042 02049
94164 35487 33501 45707 89939 46455 56062 69929 65538 67360
26930 87652 40068 54946 83236 22470 49654 64251 61377 12108
90134 85822 06361 05742 00339 04334 24538 11315 81339 75449
67210 13776 39104 11864 34770 74530 72993 02799 52083 59656
30207 47301 67578 89078 03103 67322 15338 28580 86933 74371
39642 02957 46491 23181 38924 51001 33000 22247 98547 86006
43758 10930 26438 67081 98164 85015 97062 89502 72817 79798
89805 20243 73001 58000 47531 42013 00482 20245 84084 25427
57522 86600 91269 48282 78677 09454 22396 57439 44060 22843
11190 00257 69198 76511 48576 69143 67697 60907 66877 66537
69726 40754 01280 15207 16495 35110 07081 64149 86225 23273
90150 69792 89989 36360 44966 41980 49055 01602 88498 34491
75762 42550 52977 68120 32874 63804 97975 13780 95213 27332
38616 09191 50949 68246 53474 71404 83346 15546 69675 64300
25385 05667 34080 81535 11401 18578 51609 12490 14432 51326
06968 08675 44605 53915 04967 43096 60458 28685 34017 78089
78397 25024 80626 56634 17130 82901 08167 88213 89354 12277
91404 78768 08614 52593 88435 05934 62532 00098 09672 14484
98441 96809 36389 50171 98267 59399 79735 04194 14364 22761
85113 06447 53827 35374 80016 45831 22955 46312 06519 44681
08129 88682 42202 +++++

F06 – FSK 200/1000

Link 00052

16046/14354/12228 kHz, 12-08/13-08. 0800/0810/0820 UTC

11166 00052 98654 12066 02739
98572 35782 38306 26586 37729 24309 47288 16427 36120 05501
13127 84768 13679 52491 46586 85899 95052 70667 57578 59297
43586 67825 49712 21129 05709 79118 88770 25373 51690 32724
74793 43020 65355 67172 72476 32762 91317 36269 79538 01636
31922 62560 37782 79038 11085 25263 16509 52562 47206 93606
22984 39079 02365 41531 19645 89525 99958 04655 52734 50804
27998 65481 22040 33262 70222 77752 46445 57168 32249 65907
04961 76631 54916 60575 57934 04402 32025 56040 78123 85985
74668 00614 46321 96509 89326 55857 91215 58787 61910 85593
78179 06005 64967 60634 76670 37476 30203 90166 60933 40905
53531 15750 23689 79584 24828 28830 07505 67976 99583 97741
83517 84107 54626 15112 32217 92220 95131 01613 05964 74116
05077 27000 77935 92622 58338 34380 07178 35631 32637 78621
74471 14138 93479 14885 68671 12731 40329 98170 28231 15940
32156 79847 67591 58926 34576 12091 43110 75907 55756 96166

38244 44778 63282 35503 72644 51367 99164 79480 64870 21756
35179 68886 03408 96092 35726 18966 05666 42364 20401 01008
69661 33535 43452 08399 48056 36506 32327 18100 99252 86325
52485 83453 95220 44099 90667 19292 90760 62013 73810 65259
83864 03945 65795 38292 21897 95056 09213 10207 33244 98844
04337 71312 89155 45065 42492 66002 25438 56969 36004 11252
78707 51297 11919 33968 16873 09470 61681 88122 68551 43395
63952 37603 81093 04354 22765 15734 61911 08381 88195 97384
82791 76594 51744 44621 51888 13898 33609 11824 83074 74503
04040 21222 17352 87703 05969 44768 75989 42344 71088 53308
50096 53411 46581 18961 56299 59201 74679 81667 13233 22480
92242 15839 18504 34097 42543 58029 30844 42462 16449 81594
87114 66271 00000

16046/14354/12228 kHz, 26-08/27-08. 0800/0810/0820 UTC

11166 00052 51362 26067 02449
18271 13499 04368 51039 64413 48295 62332 78638 36120 67302
80703 56613 48282 30232 98063 52957 57688 15605 16165 97202
35403 25574 67815 38620 28920 78348 22757 94352 41124 49160
36220 10937 31623 45692 69839 87633 27167 28924 39620 35018
08342 15323 70648 67257 64705 21320 63216 51519 35587 36008
00074 62944 78701 33003 49467 18627 33797 57398 43679 89036
73497 48760 37736 10310 58549 86087 77979 45873 39644 65689
35191 70804 73017 47909 81956 77399 41993 33629 18952 25358
01687 56500 79842 85039 89028 01837 69489 47224 65312 88098
15135 97811 83453 71920 35273 80901 97132 62601 55875 98692
54030 57017 28672 21628 40327 30870 31171 07241 68660 47226
53099 51122 26728 68281 98965 18459 28723 81281 61414 29574
36785 74537 45070 97910 44662 24487 45567 43891 40770 79715
13428 33093 92822 52896 57502 12186 21244 56575 67642 41048
53531 43740 61301 44521 76763 39113 83750 32231 30440 72105
16587 59903 06844 47367 74244 30632 51105 13870 93166 59519
78168 18471 43348 50136 48830 54875 16933 56233 72054 43958
73537 27147 25745 06361 47013 60329 13157 13319 43313 09451
97144 26642 84165 21500 79431 63802 76229 01333 17078 49042
10431 27090 93350 36472 21162 64945 85177 16068 60027 56591
94358 38514 63833 77929 34752 19842 21500 92381 92585 11784
69587 47272 02117 48784 71120 86715 03805 07619 57410 79434
77185 40537 37536 84971 65649 67888 05207 06710 35298 41149
97662 05143 35068 12301 86321 69847 50315 70500 03843 73574
67039 31958 67242 00000

Link 00129

12203 kHz, 07-08, 0823 UTC, i.p. Sent as F06a

Message from Orenburg to Moscow. File 93-188

11100 00129 19753 07093 01889
07639 48363 46728 42680 20055 04881 93222 53165 55014 54756
29991 34018 44637 31114 60326 67_66_982_ 22346 70504 74235
58005 79478 10360 59224 85214 95513 33745 08493 74831 67677
53518 95010 10032 78515 90787 41186 62213 56779 23073 78436
82573 04029 61078 49813 09007 97897 08773 29141 55529 07960
86453 55091 76411 85122 21489 03636 22195 10500 36421 47322
29808 14695 89118 74794 13934 03427 44676 69012 51847 50443
83727 67596 78888 43661 76880 53738 36778 95458 79950 51119
41939 53073 29682 21266 66040 70026 44643 86782 45919 24532
60989 28913 65099 95803 57774 32836 74071 34217 51497 79171
41530 86252 64579 05104 53761 60166 97455 83573 04354 43316
58958 9397_ _____ 698 82804 64624 60351 98119 37657
88844 37404 93912 23078 17265 31305 48485 51644 90479 08570

87164 88743 04152 66147 62833 14483 12307 16618 25671 91161
58452 12551 88700 09753 01718 45965 68824 13819 30209 83817
08030 24312 78742 25469 04465 13691 93177 93059 08065 02788
08508 90730 60407 78866 32912 93631 83505 58318 54952 52651
47207 42410 16100 25808 69899 39548 15785 72235 32194 52478
41149 69710 08296 53865 38696 41645 65812

Link 10053

17428/15786/12228 kHz, 02-08, 1530/1540/1550 UTC

11166 10053 63814 02001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 09-08, 1530/1540/1550 UTC

10053 45623 09021 00049 00000 00000 00000 00000 00000

17428/15786/12228 kHz, 16-08, 1530/1540/1550 UTC

11166 10053 74569 16001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 23-08, 1530/1540/1550 UTC

11166 10053 36987 23001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 30-08, 1530/1540/1550 UTC

11166 10053 14789 30069 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 04-08, 1650/1700/1710 UTC

11166 10053 74102 04001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 11-08, 1650/1700/1710 UTC

11166 10053 85296 11001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 18-08, 1650/1700/1710 UTC

11166 10053 14789 18072 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 25-08, 1650/1700/1710 UTC

11166 10053 14569 25001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 06-08, 0600/0620/0640 UTC

11166 40122 18539 01001 03469

02035 19809 03090 54061 19372 11316 88512 39671 35112 04522
07466 00906 82894 97888 78499 36735 63709 02000 57731 18751
65466 81183 65702 19159 71729 40932 43226 83797 95549 40809
34683 42358 99329 37537 22196 73008 86668 87944 59117 63584
77104 66463 76277 36569 99717 76867 59416 30012 66512 62936
21249 51603 11517 47727 16595 48075 06557 56157 74014 57126
89612 00565 42383 34051 66718 33952 75849 70263 73335 00589
05602 45901 06131 38669 71895 83704 61105 14700 14771 96349
39011 94326 46896 44422 03984 79260 56983 47228 06342 65014
17197 13624 05480 99122 93019 85052 53797 44540 78980 07972
27604 77899 08715 77866 15928 77326 12764 22036 03177 79486
22576 13324 06585 10562 44135 32010 54377 20839 49649 18023
15602 77598 60752 80671 17551 95992 21638 58095 11726 12599
85581 43592 74266 31338 63269 21044 51796 96438 06390 76598
88615 72144 24910 78821 96173 33848 61486 44482 50771 00332
71436 32174 30419 61816 81717 30962 26793 83495 27348 36224
93225 89240 88705 29897 14677 55179 78139 07303 10599 67818
49344 17742 06667 26401 27914 11044 36281 94200 86537 07265
57802 28419 13250 31713 98437 43389 46194 82500 60730 86765
73321 22794 52583 33387 20470 14968 26753 26512 76263 38831

40760 21092 27259 61129 73138 08796 01789 48505 56973 29450
45934 41098 16670 98595 80057 28979 18865 05850 09345 98603
73454 63749 86790 41477 45643 11775 52053 42202 64976 05234
94638 88123 42269 43699 14828 67732 30402 18684 80801 50029
89879 85237 05390 62034 45133 87166 90891 06627 42468 90542
15398 87903 45615 05207 59052 36253 29817 98951 93697 50307
60387 34059 84328 97992 66676 80891 75810 43840 47389 88229
63278 94755 68189 15020 69674 81438 37518 53251 78843 17622
71580 96625 97639 04343 84428 34710 45467 71417 64076 77279
94707 73304 20592 38511 10458 81559 17093 35733 63024 41049
19598 82410 11610 82135 26657 80061 82625 05988 64709 38781
91070 85243 60095 81068 78421 47176 23671 08642 65454 31577
08957 36931 43448 40528 29757 26929 52212 22259 48194 69099
18354 56273 69083 99017 52249 31930 01598 49443 27140 37672
74156 68499 88790 03084 01344 00000

16346/14847/12223 kHz, 12-08/13-08, 0600/0620/0640 UTC

11166 40122 12587 08002 03029
24116 41612 25768 69200 21048 85775 22129 18855 59258 79919
75417 33597 51693 21964 16127 45353 30337 08514 85760 29001
81354 04365 53085 27379 88940 55453 47673 62734 11283 62467
96662 64282 37103 57274 75674 66560 96198 49377 09840 58278
22422 34576 85848 86337 92541 83023 60978 44718 89422 48859
80030 02915 62955 68622 36118 53611 87178 40608 36231 84281
37034 02386 57536 02402 33179 48630 05321 68965 28313 56487
08552 19987 33442 10640 13956 80680 07514 45267 64580 01998
58885 45093 73760 74225 32031 72695 30437 97314 77944 14278
45167 33125 75388 06434 22029 35561 74592 19493 82196 59113
47615 69404 98225 84013 57893 59753 95044 44935 03974 84124
19846 49205 54295 18770 99183 31042 62150 16162 00471 27769
90505 47854 40048 88943 01381 70104 05035 54327 89454 10681
81122 61642 64606 00303 03530 70055 13066 97148 73273 10313
91867 77861 05970 97481 36286 93502 05338 67224 84956 13881
78599 21542 52350 08698 35960 94929 03310 38950 41357 76885
09311 57017 06673 51690 91161 38888 46583 41429 77808 96940
36242 63155 35942 46739 38984 36164 50097 26260 96240 00294
57922 91009 96840 31207 70316 33446 67898 63572 31115 00166
54471 58105 96014 05269 80174 73384 35424 63370 05939 28396
90925 90661 29103 66734 40041 47482 90018 58405 48986 20838
78374 00161 18095 70289 56402 00306 49615 85661 41174 58920
92547 30008 13163 79421 44232 66262 43264 72417 13348 91023
55462 37780 74037 23903 67323 35880 65824 25879 75516 83919
19026 45094 78533 38297 10336 13524 53805 48945 78271 42968
31409 96587 53173 93797 31531 48828 81441 14888 57893 96040
48700 78181 64329 52966 31574 56320 36683 36988 32760 16782
57233 58984 79101 30952 43823 87736 87319 21580 80883 73791
27124 97052 84539 43749 36366 45917 68987 00885 67931 90097
06325 93070 73060 20243 97029 33905 50779 61634 93271 88012
02300 00000

11166 40122 78963 08003 02749
18133 44104 42236 56438 80908 74393 41665 23077 09530 34387
24783 48075 49821 53664 16813 19142 23317 29810 30257 96711
96806 94907 91134 13887 25821 51668 13367 17106 01710 27623
63494 58474 57036 20821 82906 75683 08956 35466 59790 20479
45266 30936 67961 21588 82827 32617 14789 93067 53025 77985
65375 23991 93982 96395 35210 10429 54186 45981 68455 15645
37234 56131 44066 69453 42379 48971 76935 42684 80566 38278
06243 57662 70639 29283 88190 20685 45415 67782 35339 87387
22307 12012 69692 96969 18187 25701 81753 36201 13174 15766
12721 19156 93032 63064 02017 93595 24881 19657 67330 09967

45874 71001 09380 13914 69572 86542 58554 48284 39674 07100
05650 75528 85787 42522 83868 56454 60960 78025 94276 46269
65611 12671 91905 93837 87600 78391 74686 55107 13076 13040
42408 56621 87825 85870 17871 70080 33802 98895 47447 83865
50502 12569 23218 82476 55906 69210 93879 69816 46655 12637
56606 97261 82143 27407 47059 82453 22243 46141 69730 29756
73306 98347 35799 88299 22180 99180 00698 08571 62875 01583
18579 83471 45612 60249 55854 84784 02915 80834 31011 30989
32437 52860 72879 47368 41224 89745 14549 04326 81078 24409
65115 44874 29733 33869 26446 37216 97509 91290 47155 13358
64153 68908 30970 79707 75530 40267 41681 10563 54876 55215
71862 60468 08285 86087 67547 56344 29119 68524 26050 55341
31038 85349 09118 79356 64324 66954 38604 62146 95198 06623
66850 69976 52810 14240 38954 81739 73593 56810 89133 39487
97668 59233 38345 05311 96988 63770 85373 85504 39909 71640
08554 07948 21866 15182 20331 63658 16864 34016 41842 48432
29443 53660 89701 65523 51831 90005 92177 75298 55950 28127
76958 02796 03272 00000

16346/14847/12223 kHz, 19-08, 0600/0620/0640 UTC

40122 48256 19069 00049 00000 00000 00000 00000

16346/14847/12223 kHz, 26-08/27-08, 0600/0620/0640 UTC

11166 40122 64318 22004 03969
84165 43436 97905 70615 09922 79986 96746 31501 78919 03596 86700
34859 33858 20120 33842 70018 91187 35803 64381 18002 80892 99967
96881 06376 89511 63825 55052 66933 17300 10083 34533 63403 85506
33040 22131 81355 54673 73862 90928 97508 39915 40714 19713 70618
34105 68445 10158 21133 74910 97519 00194 91808 16613 76859 97011
06467 92652 20314 78130 69084 79826 71421 33970 70407 00095 56161
50363 94262 20910 28384 54448 40774 40033 37603 72379 08652 65744
73836 72288 03762 28416 69186 90935 66140 84358 60850 67498 32661
97898 45234 32917 77532 12608 77880 28249 97812 47642 98869 50462
36133 80103 88410 49111 57818 99377 82287 22325 24583 44390 01856
85552 32006 59701 78282 11497 02950 31383 75706 64678 54138 88634
43017 79067 78056 82037 48930 52220 07373 74428 80050 54349 54072
05288 06617 75782 40475 14617 45605 61236 64347 37218 75881 04335
65275 03323 85097 00831 84498 06502 53009 83949 35386 24809 00908
90301 26747 06073 61853 29798 06158 53290 51400 58008 15500 71060
43488 74393 75890 58981 81205 94862 44191 62965 77102 72078 08296
20401 82735 61951 13364 60093 32149 59772 36208 42935 88959 54398
50009 54232 51746 73959 46547 83631 97429 21485 08149 53581 67323
23934 46522 82261 25552 43016 50675 91932 44518 21291 11102 98620
97110 61937 12433 44099 60331 65668 11719 56085 60042 73202 44558
47597 11515 86740 26233 91415 35458 68890 40063 30573 54232 22398
03693 91753 63160 16534 94350 09277 93718 92933 38809 66055 60881
99303 94435 18046 65012 15369 24377 78606 36065 81695 60439 26673
43197 91505 80917 89631 77917 50169 26800 18102 96705 32059 04789
94785 34048 89454 50574 44597 21809 93186 50801 38241 75901 09705
47169 06447 36169 44260 71086 07021 70436 04891 82343 11931 78647
66889 10214 06589 58054 42453 20445 18532 15358 85193 56557 17683
36781 84198 28903 55389 51970 27328 49913 34402 52695 38447 38973
27019 52265 18255 45366 83541 96606 43433 62724 98266 62940 03768
33410 25177 06990 81954 66288 60525 44665 05766 16310 34506 79159
27267 99345 79191 09385 08775 40721 64928 80703 20235 80870 22377
63872 77722 86560 92383 73158 77731 41121 70872 59539 06964 12116
40940 39946 32285 19887 09355 48483 00550 55421 89625 20546 02975
20972 98851 45799 83752 91867 60518 50929 97586 22948 30448 98129
45844 48073 88077 10237 46006 46135 60252 58471 14110 72002 69735
73709 64865 75854 25603 67228 59131 59328 97728 71866 04394 00000

Link 60070

10268/8155/6934 kHz, 04-08, 0030/0040/0050 UTC

11166 60070 12356 04021 00049 00000 00000 00000 00000

10268/8155/6934 kHz, 11-08, 0030/0040/0050 UTC

11166 60070 36547 11001 00049 00000 00000 00000 00000

10268/8155/6934 kHz, 18-08, 0030/0040/0050 UTC

11166 60070 74125 18001 00049 00000 00000 00000 00000

10268/8155/6934 kHz, 25-08, 0030/0040/0050 UTC

11166 60070 13579 25075 00049 00000 00000 00000 00000

Link 70048

11484/9328/7813 kHz, 06-08, 0800/0810/0820 UTC

11166 70048 14789 06016 00049 00000 00000 00000 00000

11484/9328/7813 kHz,13-08, 0800/0810/0820 UTC

11166 70048 13579 13001 00049 00000 00000 00000 00000

11484/9328/7813 kHz, 20-08, 0800/0810/0820 UTC

0800 UTC: Noisy transmitter for a while then off

0810/0820 UTC: Nothing heard

Link 70059

10263/8126/6888 kHz, 03-08, 0400/0410/0420 UTC

11166 70059 85263 03001 00049 00000 00000 00000 000000

10263/8126/6888 kHz,17-08, 0400/0410/0420 UTC

11166 70059 63214 17001 00049 00000 00000 00000 000000

Link 70202

13509/11076/9053 kHz, 03-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 03-08, 1200/1210/1220 UTC

11166 70202 25796 31047 02439

33673 73129 58254 62260 95128 53263 85990 50244 51379 65315

45839 75468 47552 97100 62796 67481 29203 40537 92117 55956

86670 32158 15677 21227 51483 53895 39586 51165 24501 92542

85287 65345 40483 81348 91270 92430 98773 72182 67638 11719

14783 11699 70683 94786 71958 19944 89675 08170 78931 94842

63041 63016 61533 90998 66123 22646 44346 46255 37719 03963

01513 54439 37563 33648 81455 07739 51965 45079 35218 57148

89774 26908 03105 64411 35863 59234 39304 43914 54319 98320

79198 17949 58537 95770 79027 33800 90378 63124 82603 16080

75618 17803 94773 52759 47835 71328 66294 38325 57954 45778

19831 22504 11616 29392 71751 37991 01570 07279 29412 05620

27271 28157 68613 40411 18876 93074 20928 06937 07814 77026

25571 97439 11134 19432 25512 31144 21806 44391 12517 98192

22165 96665 50792 96655 62692 04316 33945 36039 73309 03945

54916 05734 99387 89463 93600 31846 79642 70344 51823 70846

08115 50275 90373 13467 47428 62157 47769 97294 85486 20403

45452 51489 52836 76439 09097 22073 42843 88386 60717 51219

01901 40822 61264 08988 81839 75586 08395 00932 71731 19562

19113 00028 51279 20359 51951 76356 32973 25850 48397 22977

85203 68490 98242 01425 53520 40361 58550 55284 22223 69872

80913 65257 83472 36063 26714 44179 06107 81436 75045 95410

21352 09269 53009 83042 67617 76329 43055 87365 61557 16943
47061 44018 87595 59345 11843 90272 23082 20254 45770 66883
41299 88604 81191 48941 59469 34382 62337 04168 23985 03485
63412 47241 00000

13509/11076/9053 kHz, 04-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 04-08, 1200/1210/1220 UTC

11166 70202 59317 03048 01619

55289 32351 48241 72506 02498 43762 71507 66668 96351 97691
11600 55210 58664 03270 89544 95093 08399 01091 12187 14960
35809 52656 13181 88806 14569 19761 43675 58197 56572 57269
29904 88945 39103 67687 39853 73206 59051 91008 26202 12923
93871 28243 37715 45544 73958 22069 16284 97982 96147 43063
21796 79716 33008 54926 52031 51003 17627 57155 49755 27113
08571 28588 14216 04552 64706 20272 59216 20182 84573 71079
84958 79192 90001 44522 55849 12863 58643 10188 01440 52036
35127 18245 82708 27265 75509 40455 90859 31548 04714 76120
70820 06600 91649 46419 86650 38602 71686 25543 71014 74355
71188 82106 25938 93785 13783 29232 67013 99729 13050 06775
28252 10953 81332 44105 69767 69311 09348 76904 55484 97030
96277 16392 93040 65005 35043 94439 53103 58075 82443 33000
10247 48216 68836 11285 72615 11572 27068 29138 92534 50276
45318 90039 75272 04994 73570 52175 28126 69124 38368 21000
17035 40604 45576 81763 22898 72239 75801 95392 14783 48159
00000

11166 70202 82159 03049 01659

98907 79536 60171 39886 91605 93101 25926 96094 98782 04474
84356 16721 47302 89166 93976 73994 71637 61116 07340 20115
54922 21715 34998 00792 65425 85906 94718 95056 24361 65018
44379 73538 65995 11017 22010 92372 75966 51876 41388 64953
18771 72752 16643 78693 90346 22639 14297 49004 56685 51201
56196 27660 64427 05478 21743 07749 34355 41127 22895 92389
73749 27914 50348 19415 68513 54124 14351 59184 41031 59587
28586 27742 84686 52009 10555 82489 10969 86281 96901 92563
70127 11477 97120 01111 31291 15199 34074 21643 32994 19991
44772 35667 40064 11479 39835 83762 67778 02939 45091 67310
59251 65979 73738 03055 26984 82026 02508 97678 94507 94293
50275 34592 99060 64928 82541 90112 41244 67026 90241 21224
92580 66185 16294 92112 96926 71315 28355 31656 26669 59353
61191 39053 79635 03608 77124 79792 27683 60399 17977 39140
52864 93683 46962 25322 32144 42356 03952 39624 56578 59923
22557 55549 95913 81213 82469 74262 44520 95838 95486 48483
09625 33071 48675 49163 00000

13509/11076/9053 kHz, 05-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 05-08, 1200/1210/1220 UTC

11166 70202 61487 04050 02199

47491 55143 83102 86261 18208 80405 37236 43197 70069 54824
80882 99175 38601 40184 18746 31601 55228 90656 81907 72024
33450 27423 19713 59340 03551 55982 05042 59870 81782 55816
01389 96532 84960 97105 65201 54281 26403 64188 81912 54000
54155 90438 59094 12044 17444 34263 25185 27606 72282 50899
07215 65117 62176 39693 85978 23839 34870 71563 52083 11854
81057 26324 11311 66647 06009 94558 12742 89449 70042 23729
98059 85532 58779 13217 95493 27664 69131 87972 06826 84877
21932 05470 60896 83775 37181 75640 32057 94532 32816 98496
47002 58795 32956 49108 28413 01660 96561 64629 48855 94926
02434 13070 93378 63807 51508 48490 54228 54276 72360 82306
06137 03255 40883 25399 35616 78815 50053 80712 22683 82593
90734 91019 98479 31591 29457 71567 27192 61566 94105 82255

85737 19187 03450 19063 39636 35149 01470 29399 38508 95432
82394 81069 79650 52892 17407 39535 13100 46368 18945 33167
86653 19502 03536 11180 54256 56449 39104 23915 96211 76676
87691 80188 24646 56017 79521 61373 72658 66196 79354 96899
90606 49998 31055 30882 97957 74256 91333 34533 64136 27875
88571 44078 16826 57051 67692 28838 01136 54892 07002 19175
38096 47614 17932 48994 55899 44516 63646 92480 92335 43901
57416 99758 91859 12151 26731 61173 45715 78126 54057 54864
48577 10094 30209 57328 70122 67350 81239 50217 00000

13509/11076/9053 kHz, 06-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 06-08, 1200/1210/1220 UTC

11166 70202 89312 05051 01879

89108 52864 57887 06137 47653 04552 00504 86894 23706 15566
56492 07260 06853 33906 41214 95872 74454 92157 21476 81180
15789 46938 06518 15109 94178 08288 88698 45278 51790 82433
51089 21680 86807 76377 84136 48775 57644 37730 78605 18935
93900 28241 86971 88164 18747 54457 70461 80054 12416 03948
73925 28890 71501 60531 95727 97855 43739 96944 44846 33279
42968 68395 02363 40845 73952 55421 29543 94717 21758 29513
89675 15520 85361 39924 75875 78083 60188 45109 62032 34932
99265 37229 19086 66422 07674 33163 63822 93482 49985 30455
32385 13883 75381 51649 95665 47984 90130 25432 58792 04892
32122 78033 11875 04961 27130 33319 24217 19584 31507 45010
99165 14204 90997 09470 31797 05485 70339 32496 36620 68579
33364 48552 37485 55437 78266 15876 36893 10079 57742 35911
06880 91783 38675 70487 68677 42126 81057 55191 53321 56793
40845 32371 60413 48131 26417 52201 57214 09344 63343 15259
85249 16297 47133 55031 66627 27850 88670 83814 27253 70669
81999 50418 79118 19444 49168 83130 28870 08449 41812 16368
04826 35403 04158 24465 19641 43538 27143 11017 10804 92833
48342 27237 26155 56350 77366 51185 00000

11166 70202 42139 05052 01459

75556 37313 16159 27504 28935 80137 84046 06404 73754 20986
97733 50469 14323 35476 80684 78952 31540 26331 12605 95826
47495 90098 81778 45225 71403 90609 71099 35336 87836 43855
01226 47944 73167 43984 79305 75798 51183 85100 26706 55008
23788 58542 84183 84638 37750 30348 17930 50705 73411 28571
74938 96745 66315 95162 61124 08170 97678 82078 40634 02556
14647 96314 79781 43099 66279 23566 84060 17390 66182 85172
01647 48709 17756 08059 91852 32037 62960 12354 81959 11948
40562 46368 60857 44593 64796 23626 82950 10956 60362 41627
80746 73548 14718 87050 09580 93777 33589 57053 72892 52118
10641 51385 01531 38323 47248 14980 85475 03831 83299 35730
81452 93574 24973 27123 44860 99366 80424 50425 59450 02056
39326 56110 63204 94640 57178 49204 93829 03532 30360 08253
02332 50138 72827 12585 08086 19980 30417 57565 93848 31504
93677 62524 64151 52143 00000

13509/11076/9053 kHz, 07-08, 0700/0710/0720 UTC

11166 70202 53718 07083 00049 00000 00000 00000 00000

13509/11076/9053 kHz, 10-08, 0700/0710/0720 UTC. Incorrect bandwidth. 500Hz vs 1000Hz

12138/10394/8076 kHz, 10-08, 1200/1210/1220 UTC

11166 70202 58231 07053 02559

09561 90522 41360 15363 57802 23959 08653 47188 67866 99581
66288 98115 61928 95420 15231 02038 29832 37634 45927 84407
39932 48435 46652 47705 85175 70271 93197 63647 62884 58474
80853 76814 11661 59551 84600 49397 53864 17300 58475 01745
17087 73958 10023 28393 33075 58547 10790 94280 37529 79616

28789 40819 19214 64566 93877 56513 91833 12747 31972 91831
87086 54505 29062 22984 92358 33382 10939 94332 81476 53644
49585 94085 11966 60324 32164 42993 87258 43984 53540 00710
07265 87357 18279 19525 55773 96083 63048 00146 98100 80708
35377 29209 87434 82140 89691 03231 03302 57757 86573 68660
70606 70332 06189 32743 32669 46999 11802 24861 76712 00401
24330 13059 35218 29254 93874 05427 11607 40483 79152 91040
03671 60128 70785 00133 23193 25208 19370 88194 35201 73726
54266 73688 65285 75020 04056 84063 48421 67611 54588 89757
17732 96776 05570 30877 56630 69013 11620 66235 62779 65575
18740 99450 97302 82294 32129 61770 17689 87843 76288 56332
17829 17657 33341 93534 23607 45673 70517 72203 17512 01105
92737 86254 90677 22409 81231 61525 45807 65657 04120 52477
99413 09483 09923 53438 56814 23805 39904 04098 58313 94498
20201 93910 20020 21223 19683 95130 17726 30570 84466 79133
87290 71735 85027 95735 39969 86903 36848 20178 16114 73519
80541 97487 25698 80641 32378 38882 49089 06572 41168 49905
96518 89937 12423 95007 49674 11417 85741 28219 33862 48301
76361 44637 94172 49070 16796 32397 74091 20180 59519 29819
19980 42245 26615 17419 59880 57797 17343 99468 30072 97818
09542 54798 47820 53253 00000

13509/11076/9053 kHz, 11-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 11-08, 1200/1210/1220 UTC

11166 70202 14839 10054 01699
79978 29025 81703 85097 40859 32608 75883 39164 36306 81776
13325 44050 47459 62869 03933 15265 56832 88238 83357 75576
75797 77413 37603 71775 97165 63761 55069 28647 33804 31326
29476 57339 29229 11518 62100 60315 51098 94371 36775 00072
03566 34028 66071 23813 19411 53145 32113 61275 17894 75930
70457 37878 39271 44463 70480 70396 91908 98010 90701 37343
72930 20019 12490 41239 48338 82469 80583 04973 03546 42278
03867 69423 00252 69447 14836 84547 00610 11628 11193 11101
44609 24803 28011 75201 91626 24773 13898 42909 62068 39128
09602 07009 40046 64389 52501 03190 23038 58027 55403 97814
29440 20017 33104 14443 99985 43639 75133 91327 53933 40210
88133 87042 85990 67412 56300 76452 14885 15939 93331 04195
19546 34123 84316 87875 23813 95234 41001 88150 15619 37154
18871 87901 11582 29087 69493 47667 02950 45018 26542 29542
43824 48596 48956 06716 67610 19127 69666 00845 42625 73368
23320 14445 02807 62817 51455 50487 14453 51166 08544 36393
64936 01627 17362 94607 84332 28805 47106 54167 00000

11166 70202 75294 10055 01559
19437 02098 68785 93198 15389 78150 31982 31168 51794 76065
16522 06329 78064 00683 10543 54062 19631 96719 00405 95017
98939 47474 32943 90100 29193 37293 96562 89716 79286 69997
82124 81930 33368 60455 09549 69244 93476 41482 31078 28674
98669 53268 47144 34815 59102 07505 95764 50580 28483 43405
01414 15309 63342 17820 94303 84917 42558 96603 36012 03798
45576 39453 12398 13130 12750 95380 79735 25318 36256 51028
75013 19225 55010 98992 26327 35892 52022 18362 24309 79434
77633 84646 40532 52804 47069 51292 03819 83101 85744 69961
70404 16124 20763 41770 48878 84838 42042 16677 65857 81476
81508 83191 83307 87917 83793 15618 03473 44070 66870 70986
22336 58924 96073 52901 17551 93967 19933 84451 81787 73653
41259 57402 37420 02609 21924 49838 93507 94261 44768 29458
30988 40587 81077 84689 27042 77657 37057 50836 54546 26670
77754 23424 17568 15160 51857 75941 08827 08072 65807 24170
00074 03388 80671 55153 00000

13509/11076/9053 kHz, 12-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 12-08, 1200/1210/1220 UTC

11166 70202 35627 11056 02359

62439 46334 09349 59137 91750 48565 03456 67361 36056 59762
76437 60536 59573 47082 69440 46129 83291 08814 15573 73053
43659 61546 44537 98589 45896 00494 52987 83906 60375 75148
51540 72890 35503 47452 24393 33958 25554 24677 62467 69551
56865 84196 56034 22987 80865 32347 57741 37366 87347 64549
51994 46213 76433 18894 91618 00550 12674 40366 87748 62071
09703 97904 63871 17136 18913 21487 09972 91232 20554 51405
97712 68628 40725 16956 42588 46880 42674 86695 23982 80895
65854 57477 99080 96230 11172 74436 71568 76319 95865 99127
01043 53309 26445 67986 64096 57199 63143 08317 02986 02972
74298 03984 22851 20392 04129 27999 23391 56179 02311 84188
75961 03218 88817 25133 82014 36521 52450 38562 73825 60604
06495 19394 43443 97987 49945 69608 10796 73485 07733 93135
66900 73995 48396 77956 53104 88452 02631 82596 62297 57658
31150 69197 73042 88648 15308 50366 52541 13312 68909 41971
89394 95920 94647 39093 42086 19289 33608 57300 14115 04217
81282 06448 91741 41939 68518 89179 05257 44233 30846 41331
99725 40905 14629 56408 26151 79313 93458 61337 88969 05645
93252 35676 10842 32599 49471 91463 00670 23206 44902 55904
35760 45425 01457 24072 94099 77248 24399 73823 97655 66969
22456 60100 52656 78319 52246 30818 97774 75152 60463 31522
96168 25372 22245 91004 32296 28782 99175 05059 99456 98545
65358 60572 89000 50956 74981 67139 17125 83184 69833 88369
50211 43711 50200 56233 00000

13509/11076/9053 kHz, 13-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 13-08, 1200/1210/1220 UTC

11166 70202 15627 12057 01719

77427 84328 29881 66119 80950 04480 99858 44849 32363 18209
91209 11904 03034 67988 19393 35090 59515 99143 48904 01216
32500 23423 04864 42791 94091 24068 92127 02333 23053 00828
14103 95194 62736 78349 08462 56881 01377 26393 41935 85762
29430 65283 31372 17139 53657 55075 83265 89598 72633 91830
68911 89586 43359 59467 77412 85138 93691 10615 13686 84715
60245 74908 33696 82069 56481 18162 34065 73082 00653 00858
38276 55517 58305 09391 46641 47613 79014 58506 42232 86471
32047 88359 69943 92158 70636 04650 30904 08470 79562 35254
59393 56296 85715 01802 74476 60520 36334 29631 23523 36388
74616 44561 59816 46289 67367 29914 21429 62885 64396 42232
03556 99525 94335 09127 41488 93880 26574 57688 46429 55742
53987 46897 61317 14915 76158 02490 28863 30146 87782 77687
88981 45030 01918 88253 47803 01817 62803 95296 85458 49076
27904 34269 94811 04138 23893 13595 68349 56264 06230 31363
75393 21475 77059 83521 96836 84972 41085 62019 09587 92105
04124 66322 37899 73799 44019 76747 13798 17401 08615 57169
000000

11166 70202 61849 12058 01859

53072 17750 33110 38552 77834 03969 55060 96614 79928 24434
62722 38477 91282 12779 69269 29978 15955 38690 45072 07715
35647 79207 92989 49234 29378 60838 77656 13235 43247 52150
07217 41977 71245 11542 90934 43086 33027 19885 21125 92946
59601 52704 52827 28851 22864 71603 79686 22120 69919 39619
29450 49359 48122 90178 27537 04048 31780 04369 02113 15651
86455 76187 29096 68435 31801 70471 40559 37183 88865 03190
44929 81982 22816 98782 32458 69294 17003 04247 64368 11469
39308 64639 69146 41913 86724 89697 94379 68088 19086 66261
87622 69522 17898 96179 04679 33036 31211 64399 68786 42364

90454 66906 29099 64346 10186 53232 91933 98906 06694 63185
23207 84973 96374 62517 45496 79554 59841 07197 78173 52134
82688 90986 94035 61604 08852 56012 90885 07887 67511 70998
01484 75461 59461 06874 90319 10972 13886 64430 10638 02100
51494 33711 20153 49898 14934 89833 78898 51770 52421 54919
77634 37276 65544 80828 70266 23964 57155 32381 08701 85404
40299 75754 03581 48622 94115 01741 59342 63107 77653 38564
57014 08598 37526 33926 83222 33819 70364 10979 28813 43365
25974 27922 05546 58183 00000

13509/11076/9053 kHz, 14-08, 0700/0710/0720 UTC

11166 70202 31958 14041 00049 00000 00000 00000 00000

13509/11076/9053 kHz, 17-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 17-08, 1200/1210/1220 UTC

11166 70202 17943 14059 02359

71751 87490 97368 56816 99969 48448 95162 79056 18832 87618
48021 91981 44476 10275 80247 81722 05667 25836 41935 88766
29919 72246 99639 05050 47694 30695 78707 29349 88095 97845
93200 60653 64507 07782 24354 34222 73612 20845 33513 30000
56224 21550 20476 08086 93377 92774 63185 50938 36103 58406
99701 17003 92340 11630 38406 35466 19409 71050 07358 96789
95487 31834 78749 18757 68534 04057 29403 92669 06084 55447
23229 39433 94363 00713 26607 30169 60161 04630 92602 51088
13889 91100 74979 17268 37266 75348 57926 65062 64080 61441
12451 77796 27447 72345 15362 24463 72004 04674 91800 16084
54500 25341 67228 09442 81184 52291 39839 12858 55460 86500
09308 73713 34225 87431 22834 52391 16343 09141 24400 12334
11677 39208 18194 80901 64134 07695 82127 60720 27150 58300
92394 96200 15040 98920 44991 24927 78687 73784 85160 68590
78968 24361 80671 43167 56379 31224 99893 93013 20281 54059
80587 78585 06228 12005 00356 72450 74778 71514 84698 43286
50268 33919 13594 32568 22946 39894 12560 53601 62934 33001
39121 67619 19445 49499 00628 16614 03677 26618 64350 17591
78854 46469 45813 47938 05827 57798 86269 76599 17666 42746
55288 20734 21718 20824 39371 32546 52521 07285 02539 45988
24050 68065 29835 38007 54707 38514 89670 84032 63508 98061
75957 12389 60899 18048 15963 87320 82630 24866 54827 75320
40149 45645 52674 74447 85920 28623 55260 11309 17133 55423
24096 35427 66221 59233 00000

13509/11076/9053 kHz, 18-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 18-08, 1200/1210/1220 UTC

11166 70202 21589 17060 01659

05475 10750 52892 60644 00547 10461 60630 82256 08280 72788
17042 20506 42101 62888 13016 30397 54846 08969 84790 44074
36992 87225 07357 81579 89213 78348 45766 51165 42688 62810
00299 18843 25593 47097 06399 51857 99232 38102 75350 65780
12233 07830 86599 29893 46235 15643 67685 10569 51539 80194
22695 57325 96115 18270 95200 61240 76442 92706 76601 40420
63592 36576 95815 32205 83012 45836 51256 96799 51430 57618
71031 62022 19330 56346 12302 63844 92427 74882 35736 62428
30597 82872 16007 38338 47660 79490 74253 98609 60510 32764
43455 47373 60973 32665 02656 00721 08876 50168 40969 50489
69726 19438 37311 06664 45477 85366 66790 73079 71780 83611
69693 36110 80190 45360 44012 71036 48743 43970 47434 95772
89353 25706 19755 26650 45463 91739 61628 15930 98383 23604
30602 75754 05767 69301 40387 18199 20642 32231 74273 66132
64455 30149 48648 14561 52554 16327 87555 47155 95544 80104
94221 37631 24973 69031 30488 90689 16756 99772 40102 02187
10802 49972 76784 60163 00000

11166 70202 21548 17061 01899
43691 46960 30108 80080 27201 04584 02883 88613 00114 55061
58179 46360 28650 64238 73942 61563 21674 89691 79333 61462
97483 08431 62008 72386 03041 06806 86415 55033 09085 49817
09075 24597 29560 72001 01766 10462 38794 57090 18563 35120
84875 98617 67654 17027 22651 58689 73885 27061 14796 67062
42959 53293 74386 27764 63242 53734 47411 25401 06094 01766
58665 48380 10682 53932 69458 71193 64191 94782 20578 62985
13402 38452 58943 14577 68530 91666 71385 01120 85307 07866
74001 22605 36214 87120 30506 89372 06811 01546 98022 44834
78104 50880 23762 42597 80890 77938 41010 20157 32999 98608
37871 36371 95394 26088 97204 64886 08059 94047 31187 60707
91594 08408 58946 42099 25493 82413 00694 55012 38992 34704
86797 12213 75481 55048 05244 24302 16369 67452 35903 64827
75362 45315 45056 36657 99099 58318 38613 31812 35058 55749
97455 01941 52697 15931 43349 81634 28751 16456 08862 31751
32625 04907 09719 94953 72821 74756 43038 80639 90347 76124
59885 21454 10021 16091 85578 68569 85636 28246 86184 17928
99904 16164 04650 84622 05125 00492 14991 67615 15509 24341
67988 71969 87111 96663 26834 80791 46285 61187 00000

13509/11076/9053 kHz, 19-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 19-08, 1200/1210/1220 UTC

11166 70202 89254 18062 02559
37090 73908 60438 13808 51856 61111 42524 50577 47377 96984
12736 53419 08308 74207 56516 34787 98060 90580 41559 01570
68249 64986 41354 91612 35025 87824 31111 72047 64494 16851
10723 72883 34408 54372 34474 54283 64308 66722 52168 30972
31315 31959 91379 02215 13750 26726 35492 60787 29778 88206
77236 79404 63254 12118 52401 98013 93967 72674 83401 60410
74465 75463 87406 73607 20651 79167 28702 88396 08329 47070
19974 24535 92907 14290 02213 89004 94422 81665 57915 60768
15087 72248 37275 40471 81544 11325 02047 88524 29020 15910
16776 99994 69549 04655 42079 89760 11480 64102 09663 86349
22432 32222 83769 57913 52894 85174 38728 18758 62666 38231
07321 89892 17306 96794 79622 12004 46791 18454 57027 34323
83579 72009 91133 27800 22242 04413 62177 96037 67870 51548
76710 82409 65442 53806 89197 96817 27329 62375 77232 10506
01136 47192 25051 92385 45063 42497 95035 85297 02975 90914
91891 45651 96353 72016 49188 94888 75353 26286 92955 56195
96107 10437 62009 74902 16498 45013 89712 46020 27574 40215
76843 97341 62796 10881 10267 01539 52304 16571 07089 15712
14390 87680 88999 71813 01364 23536 16465 66385 42008 73388
37475 23055 47791 36264 30537 26218 75049 40596 46582 49358
60307 89580 79493 26420 70927 83190 19936 39700 38284 52791
72165 22668 65644 69285 38525 01176 27944 10735 01300 21476
05639 00395 56614 38497 19833 51088 80085 62811 60861 76871
28885 89728 27520 57920 09926 58960 19120 69578 68841 18284
47569 11499 79461 89650 61657 97825 38454 61168 00740 94343
94842 53411 19994 62253 00000

13509/11076/9053 kHz, 20-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 20-08, 1200/1210/1220 UTC

11166 70202 15648 19063 01759
06287 80181 27204 69431 37950 01456 18602 02628 40325 72159
50525 75656 79466 72532 49053 18309 76283 41860 59317 74765
19326 36155 02667 33203 31580 55864 83943 05889 89694 35776
09785 64457 19097 14328 03898 60041 13418 24495 30250 82959
51675 73444 60102 41645 11642 03151 43831 65488 02854 49153
73468 61308 67672 39649 46907 78110 23863 02102 69698 59844

47101 69557 55391 90828 16870 03858 10339 63546 74166 77934
13916 23482 64464 84369 30088 70709 64370 62419 11260 22893
15406 60675 80350 69407 13353 77564 02027 71264 26614 46865
79038 86512 42000 60426 34579 25832 61410 45292 66631 67972
97817 37396 85213 89758 44013 19035 68477 90327 12545 12290
98591 14287 70276 45604 63346 03495 16023 35681 34421 32133
74682 51909 58241 04779 06312 55489 20384 22139 53585 30464
69444 44156 76059 48815 11318 05167 44704 36850 09828 60790
95115 35026 54643 71252 62862 68429 82407 50813 49400 70089
62044 38001 91981 24302 80145 66339 36021 22167 87401 40235
33324 46518 92006 45747 14642 28440 10966 50894 09982 42541
15262 75200 15099 63173 00000

11166 70202 91567 19064 01879
10171 57067 64774 26958 68848 21761 71628 12436 23667 89920
67433 89831 19201 93869 36041 64614 88827 05641 38386 20231
18708 75650 99558 22254 12262 73796 08096 83556 59811 56451
44660 76468 43091 07762 82300 02836 29315 28704 25487 57929
34469 72333 80098 49145 60540 48661 71555 55416 36357 47597
53285 38296 16724 53394 72710 40628 19551 49044 86937 33762
05660 34034 45345 99233 30948 03940 81251 55858 25606 65260
79855 68176 80075 83942 14628 97172 42427 91047 69354 79231
56860 93966 88006 44243 97994 66654 19632 08809 80656 17300
50455 05489 49837 56870 40366 34008 80516 16977 06001 45390
42037 90499 17582 94922 06714 93389 01722 24919 07377 71112
67367 63195 73516 98155 97079 48215 00742 44032 70829 16823
33213 04238 14504 15520 63766 19577 90305 21211 81384 32310
71232 82354 20733 52555 66829 16477 93424 33376 92394 24949
05719 78005 98833 11007 92320 27632 05345 11920 20997 03189
02120 81259 47668 99589 15255 82205 26682 55833 51061 77820
05951 49438 61945 29241 61633 88620 01071 37708 52062 00667
57970 91390 95595 39936 92305 02927 02078 63927 07957 48625
12605 50853 34633 45270 27279 64185 00000

13509/11076/9053 kHz, 21-08, 0700/0710/0720 UTC

11166 70202 89542 21047 00049 00000 00000 00000 00000

13509/11076/9053 kHz, 24-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 24-08, 1200/1210/1220 UTC

11166 70202 45682 21065 02399
54951 43131 53403 49211 63389 99565 79760 66653 02623 74502
41544 77401 97050 07780 02190 94793 69190 66161 41386 21646
29982 63591 00116 94197 92227 97172 04307 19110 49377 09814
21783 76984 86823 15457 32204 90803 17903 47859 14684 82769
61801 18838 82766 67946 05531 96921 21461 58159 17179 42358
06001 74588 02623 59402 07050 92488 22874 51825 12001 66475
14270 92589 17085 09816 78670 43618 69972 26162 35877 86594
67539 17163 55429 50746 38509 14389 09999 48524 65631 09013
17544 55147 27113 77687 64424 92914 61965 28044 26659 06250
88968 12260 31516 38406 33936 82129 26625 45768 44968 84083
48792 10682 00377 17575 09713 38768 38982 05289 40765 51638
67452 48610 64072 10962 24386 66771 82026 34819 05815 43137
02447 92270 81828 27058 41583 87094 58994 64715 72128 66621
68262 57426 08443 16593 83055 70808 46174 28009 97211 43273
98451 46875 17490 67272 95863 42798 50298 41729 42378 57369
87365 19103 44414 18274 20013 95524 55249 30049 36729 17424
01936 77453 83740 03112 86936 02363 93249 02731 81645 40137
09036 45028 53995 26411 64118 44381 97329 10212 90140 66513
52743 34382 63198 76339 42052 69209 15764 16379 53605 10226
69423 89168 48116 76105 68099 42124 76692 67587 16444 78271
28275 73382 53103 41302 48641 33983 13527 48381 98194 99326

62017 69139 40698 41235 97704 74307 80161 06587 64138 02402
88056 22144 17173 17926 88048 86977 30847 59509 90442 13428
45938 01422 93518 02537 90877 76908 93950 65237 00000

13509/11076/9053 kHz, 25-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 25-08, 1200/1210/1220 UTC

11166 70202 15739 24066 01599
07560 41921 77466 76937 23267 26066 52301 52029 55181 27201
62184 04424 41715 31019 78723 82855 55032 15799 55589 42081
75921 95511 87813 58107 63684 38031 46568 20858 13236 19372
94130 27727 16597 99903 08704 26441 70968 33483 73788 80677
00577 45417 11799 56878 84475 40225 66600 55685 07492 25120
64656 36447 76501 60144 09484 08229 69230 70914 89093 85764
07758 84887 01105 33783 73913 77112 25223 48161 08762 36382
97775 47314 63352 87738 67971 72295 92924 32263 40605 19014
11764 90084 34855 51022 50883 57555 13898 66302 85728 14516
65001 16507 26090 42603 34800 02062 85403 40525 49427 91598
71645 47248 74201 39132 66981 09035 92554 97438 88385 51259
08879 51053 46400 40955 04991 17337 44220 51014 04899 89054
84309 61989 27551 16883 74715 62428 32266 55304 52277 33684
86525 20315 64928 30133 10818 32390 80249 90738 80212 43137
12499 42906 87376 69074 85266 84555 96684 80986 71980 55353
44146 22274 81416 33048 62813 54750 80427 66157 00000

11166 70202 26485 24067 01799
06014 71337 34886 38767 21319 37021 91422 73647 14807 90418
40820 95885 18167 47661 27197 18335 31970 68126 05031 76348
22809 08873 55095 26216 09204 22924 19637 39777 28465 62340
61468 18682 01705 72010 76690 76705 39175 85104 15701 63567
53129 56126 92200 28699 70388 92495 84867 48387 61802 70609
61405 64725 30796 47309 79627 09834 28180 02697 45296 13763
85420 75237 31373 19520 83558 75080 88391 53676 99948 86548
00628 25965 00035 95713 67758 56329 66317 04019 16698 52843
81722 13864 73290 88953 09552 97107 48566 53474 37205 82416
19225 71766 75850 22393 07046 21562 33252 26434 86919 91834
01920 70246 78172 58192 29781 17956 98879 73196 65562 17763
87858 95070 96062 57054 24023 03223 17511 87943 97787 74017
08189 59141 14212 15242 94515 15125 32566 82706 27776 48520
72019 27401 13679 16654 38118 46663 61934 58193 49759 37784
48042 70825 71337 77498 04471 35913 79754 75781 83421 01055
20982 77409 58356 56491 35861 09705 56493 66309 59827 99914
39433 40350 26247 10655 74130 57792 28061 66852 61375 78326
17408 72640 13989 01867 47931 41618 01905 67177 00000

13509/11076/9053 kHz, 26-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 26-08, 1200/1210/1220 UTC

11166 70202 64897 25068 02639
42995 40790 07732 70185 35753 27962 25243 89744 12218 96899
69320 38608 56638 08085 13530 15442 91514 94891 04122 23347
66606 52381 22720 77056 63661 04700 42076 75465 27807 05778
48331 06673 61538 53025 28215 77744 42240 18695 44628 86355
49183 28612 49034 76524 10932 42955 04114 45613 09096 18771
15105 94784 99369 58924 93272 40106 35796 77150 99946 26483
09183 33916 44561 11612 35625 22763 35140 12142 56063 11833
04652 29231 32802 70254 61695 95682 53955 34073 38923 11853
81726 91431 37671 62512 05480 91670 92203 31860 85535 08036
02039 58859 98616 08701 05764 00099 20908 15763 94802 92359
09632 56925 90557 32080 69117 39538 33366 13894 12259 01690
56715 95446 53339 20040 45146 80668 93126 79073 99284 38684
82203 31474 56444 00560 73443 04291 40226 01076 99599 30597
37563 57692 36920 11332 26649 03923 40734 36988 04171 19279

63955 23869 85309 22996 94429 44572 74921 23704 72064 57402
33352 42254 71685 64396 85320 49864 62554 52654 45298 88799
80478 98650 57842 67747 73460 40226 76291 49092 06820 45942
28297 70273 38721 36488 41589 66410 02057 37820 28450 86382
53607 70733 52304 19560 76431 06546 24884 75362 46408 43575
07396 82836 98883 84118 14123 02443 56351 16594 41916 67235
03104 32551 73993 95626 17792 33235 31499 42915 99839 05387
71245 83778 50636 70962 53099 42904 95451 40479 25417 15959
57022 24649 01994 48067 16716 84012 28953 62010 24252 21234
65014 53310 41879 45775 23574 94395 33970 65612 50045 15046
37963 85686 32887 51280 77589 17791 71762 79902 04321 31564
51262 80869 77978 01283 93630 94685 22441 28152 88941 66996
17385 68261 00000

13509/11076/9053 kHz, 27-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 27-08, 1200/1210/1220 UTC

11166 70202 91358 26069 01639
62793 14884 69720 17810 62679 08588 68107 51560 02897 78998
26843 78934 09710 70109 04245 58292 83791 04594 85244 47087
51339 83145 96813 72727 87165 43670 22701 00030 20699 35039
90929 62435 60828 85075 32477 49192 00539 67462 34596 65669
87263 97276 37187 09017 69901 09811 45693 26331 58430 02388
58915 47539 57055 43856 35225 10175 56826 81437 45581 18229
98672 99640 86807 02278 42782 10896 53558 73068 05262 82630
92412 85741 48025 30447 86539 56894 32842 32109 44361 01659
75479 42011 90658 82984 60879 10829 83562 90322 05319 40023
05852 89886 76461 25909 04010 13687 07276 72949 73476 79513
64727 80983 13520 59078 59195 36064 00182 36473 05553 59598
50725 24158 71838 95473 78021 28653 76471 39863 58319 83127
19935 43389 60825 89063 61863 40346 12545 34199 79491 84650
96810 78917 68376 97225 08939 28295 71346 54497 17456 31967
46613 72686 04324 79020 10972 67596 82612 80091 19054 94568
15048 53863 64529 98310 81875 60132 14243 27266 71481 46663
11176 69161 00000

11166 70202 37582 26070 01819
98576 93099 88868 36743 12489 54261 09215 93874 88719 56145
61651 67919 02154 58800 49528 66137 16607 93881 68982 33540
53790 28216 20524 79591 70571 68870 28151 42509 24229 08174
58160 52103 30382 32103 54865 77078 43279 40493 35385 67758
13143 52499 10713 30149 00251 95753 25229 92289 50440 02646
31873 48827 61732 62172 45136 94752 96746 00791 39077 84230
20614 90714 82551 75463 69060 09086 28820 47539 76356 96463
01758 00172 17812 88073 45818 72305 46518 16237 31962 40493
29007 07439 36725 83003 09530 22455 36628 20587 57629 12991
85089 69837 78712 93254 64066 70089 92285 49913 27567 69793
07559 38862 79267 83290 51104 42251 51379 53947 26248 84203
76988 84564 08887 28658 73029 21017 09425 07781 76091 00050
55503 54382 98255 97168 75223 36777 95124 35577 85542 19515
63252 42070 15536 98435 09162 60852 19208 83476 57120 61195
57541 27669 87886 99882 54471 25765 25586 24380 56475 30931
14931 27660 50463 62943 55956 90628 19655 06329 88458 73086
42130 21883 43334 39162 61751 19998 03001 28157 86125 69257
38078 06732 91315 38710 12543 63388 37965 97282 74510 70179
00000

13509/11076/9053 kHz, 28-08, 0700/0710/0720 UTC

11166 70202 64587 28017 00049 00000 00000 00000 00000

13509/11076/9053 kHz, 31-08, 0700/0710/0720 UTC

12138/10394/8076 kHz, 31-08, 1200/1210/1220 UTC

11166 70202 58413 28071 02919

37780 75858 36835 24747 54963 61896 13628 71704 54609 33930
90378 76149 69278 14307 51547 99041 72002 84376 59824 08487
51623 04924 77014 77946 72599 58957 96753 43535 30225 71554
62465 87582 37194 86438 69016 40653 02455 03990 71502 19210
88281 10362 49593 41113 56511 52403 00889 86135 39872 38068
61714 93688 99350 66998 78791 14934 53535 20973 80229 61490
90862 68907 19270 17899 00714 66088 89220 10052 84302 52339
33023 46763 31273 78796 95875 76667 72972 17982 94376 27652
48307 36873 00596 20975 43148 37643 64529 77299 89194 95761
23373 56793 33260 50156 71044 00507 12900 25098 86400 65206
99322 88525 43587 68852 93531 76477 52943 88905 86615 38324
05924 80657 20148 82487 22453 07767 07612 27343 24160 02189
02806 86974 81935 95690 26155 46490 11233 90129 84870 06570
13571 58692 47894 01940 87655 95281 61569 23462 58578 54229
16962 98525 98506 47532 04795 09422 37331 91793 18901 54397
86673 22062 94161 81073 25728 14745 89847 46912 22345 86805
54310 86420 87809 63398 31958 89786 88752 31165 98458 22619
64622 19357 35092 41495 24164 75970 78213 84996 19339 31102
04740 44916 20124 64687 39619 47333 38625 20828 96200 98233
75948 35882 85463 73378 90255 72523 55017 57083 09462 76929
43837 59628 36982 01316 63650 67951 23997 58976 42930 09347
06650 04048 94410 32824 31629 53150 92092 37841 18565 91122
68640 05083 32676 28022 69140 08983 66113 99582 22138 16660
51432 28316 13902 02984 55626 87446 76843 36428 28168 34869
28033 15419 01496 09302 18763 59855 67367 05847 81064 87496
77545 73129 82153 29899 42222 99199 22709 67587 24647 78400
39948 89158 55374 76374 01416 03993 14584 35406 00439 63270
55904 87277 89176 68971 70173 65843 10205 75558 12581 36485
12577 14013 41630 84656 63290 92931 43346 30701 90104 71289
00000

Link 80214

14978/12216/10164 kHz, 06-08, 1330/1340/1350 UTC

11166 80214 15648 06057 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 13-08, 1330/1340/1350 UTC

11166 80214 96357 13017 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 20-08, 1330/1340/1350 UTC

11166 80214 82415 20084 00049 00000 00000 00000 00000

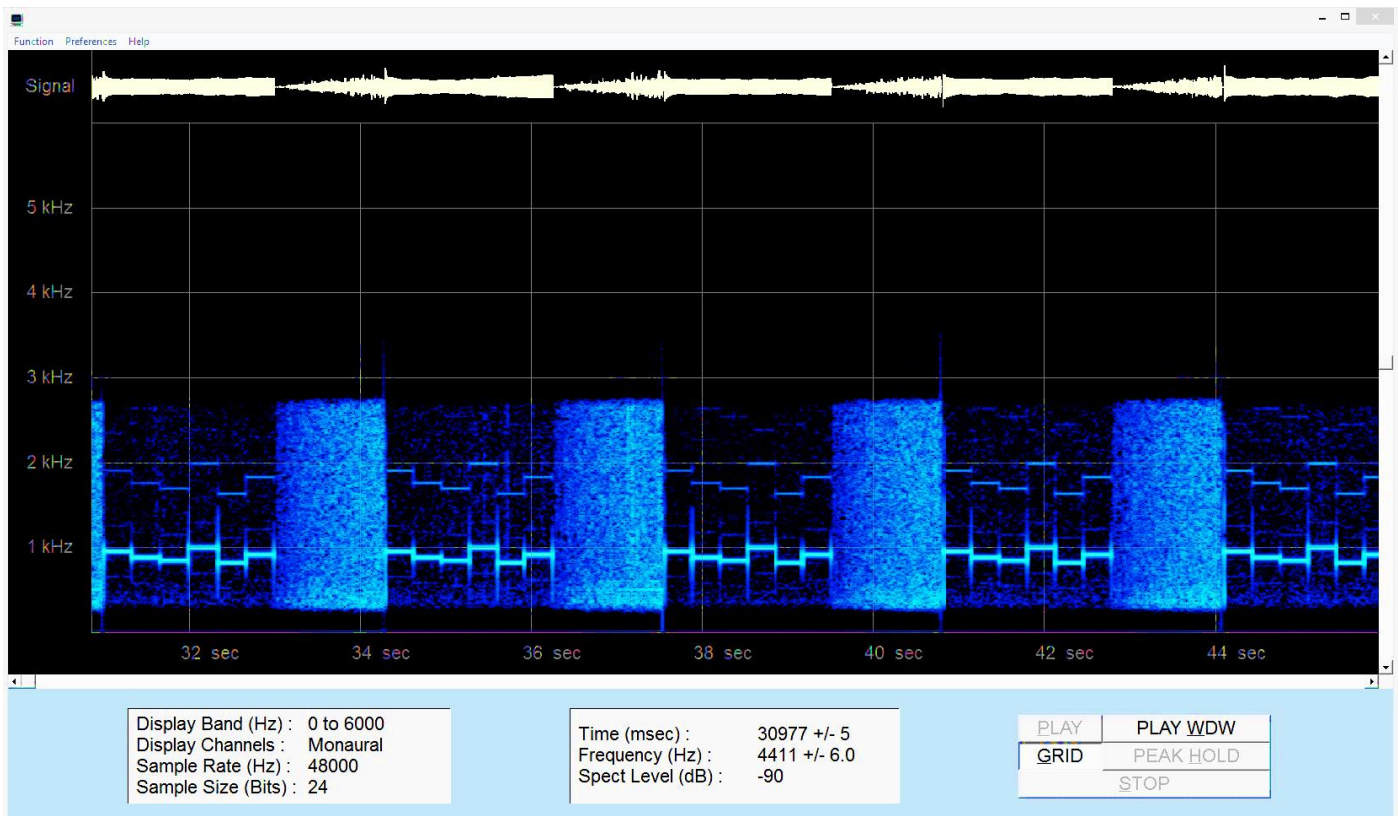
14978/12216/10164 kHz, 27-08, 1330/1340/1350 UTC

11166 80214 24795 27034 00049 00000 00000 00000 00000

F06a – FSK 200/1000

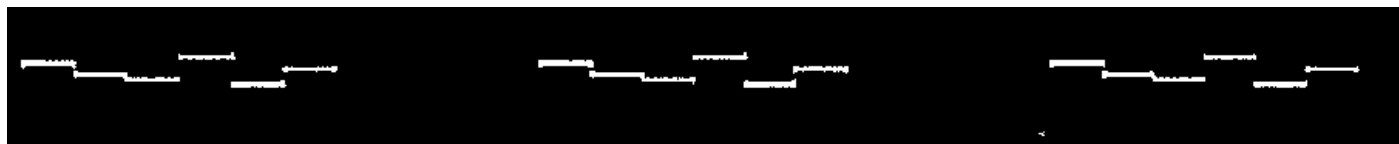
17503/15763/13926 kHz, 01-08/02-08, 2100/2115/2130 UTC	File 04427 (1120 bytes)
17503/15763/13926 kHz, 08-08/09-08, 2100/2115/2130 UTC	File 04428 (1088 bytes)
17503/15763/13926 kHz, 15-08/16-08, 2100/2115/2130 UTC	File 04429 (800 bytes)
17503/15763/13926 kHz, 22-08/23-08, 2100/2115/2130 UTC	File 04430 (1024 bytes)
17503/15763/13926 kHz, 29-08/30-08, 2100/2115/2130 UTC	File 04431 (1088 bytes)

6916/5851/4831 kHz, 06-08/07-08, 0400/0415/0430 UTC	File 44434 (1104 bytes)
6916/5851/4831 kHz, 13-08/14-08, 0400/0415/0430 UTC	File 44435 (1120 bytes)
6916/5851/4831 kHz, 20-08/21-08, 0400/0415/0430 UTC	File 44436 (1024 bytes)
6916/5851/4831 kHz, 27-08/28-08, 0400/0415/0430 UTC	File 44437 (1216 bytes)



X06 logs

10161 kHz, 03-08, 0648 UTC	MFA Moscow clg 165324: Russian embassy Vienna
14377 kHz, 03-08, 0731 UTC	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 03-08, 0803 UTC	MFA Moscow clg 532614: Russian embassy Paris
16103 kHz, 05-08, 1229 UTC	MFA Moscow clg 231654 Russian embassy Abuja
12207 kHz, 06-08, 1118 UTC	MFA Moscow clg 215346: Russian Consulate General, Mumbai
16132 kHz, 06-08, 1231 UTC	MFA Moscow clg 352416 Russian embassy Dar as Salaam
16277 kHz, 08-08, 0914 UTC	MFA Moscow clg 436512 Russian embassy Harare
11413 kHz, 08-08, 1102 UTC	MFA Moscow clg 436512 Russian embassy Harare
10372 kHz, 10-08, 0848 UTC	MFA Moscow clg 431625 Russian embassy Warsaw
17475 kHz, 10-08, 0813 UTC	MFA Moscow clg 156234 Russian embassy Kampala
13517 kHz, 10-08, 0929 UTC	MFA Moscow clg 463125 Russian embassy Rabat
12177 kHz, 10-08, 1240 UTC	MFA Moscow clg 364152 Russian embassy New Delhi
11153 kHz, 12-08, 0926 UTC	MFA Moscow clg 465132 Russian embassy Sofia
14944 kHz, 12-08, 1146 UTC	MFA Moscow clg 621543 Russian embassy Lisbon
12177 kHz, 14-08, 0829 UTC	MFA Moscow clg 356412 Russian embassy Berlin
12199 kHz, 17-08, 0819 UTC	MFA Moscow clg 356412 Russian embassy Paris
10161 kHz, 17-08, 0646 UTC	MFA Moscow clg 165324 Russian embassy Vienna
11562 kHz, 17-08, 0740 UTC	MFA Moscow clg 432516 Russian embassy Bern
12199 kHz, 17-08, 0815 UTC	MFA Moscow clg 532614 Russian embassy Paris
14812 kHz, 18-08, 0917 UTC	MFA Moscow clg 246531 Russian embassy Accra
11537 kHz, 24-08, 0803 UTC	MFA Moscow clg 421635: Russian embassy Oslo
17475 kHz, 24-08, 0912 UTC	MFA Moscow clg 156234: Russian embassy Kampala
12177 kHz, 24-08, 1244 UTC	MFA Moscow clg 364152: Russian embassy New Delhi
13510 kHz, 28-08, 0456 UTC	MFA Moscow clg 216435: Russian embassy Dhaka
15920 kHz, 28-08, 0504 UTC	MFA Moscow clg 216435: Russian embassy Dhaka
15920 kHz, 28-08, 0512 UTC	MFA Moscow clg 216435: Russian embassy Dhaka
11095 kHz, 28-08, 0520 UTC	MFA Moscow clg 216435: Russian embassy Dhaka



MFA Moscow clg 532614 Russian embassy Paris

X06b logs

14372 kHz, 3-8 , 0826 UTC	111666 before XPA2
13372 kHz, 3-8 , 0826 UTC	111666 before XPA2
12172 kHz, 3-8 , 0827 UTC	111666 before XPA2
13376 kHz, 3-8 , 1123 UTC	111666 before XPB1
12176 kHz, 3-8 , 1124 UTC	111666 before XPB1. Also at 1134 and 1138 UTC
15876 kHz, 8-8 , 1107 UTC	111666 before XPB1. Also at 1116 and 1124 UTC
13376 kHz, 8-8 , 1111 UTC	111666 before XPB1
13976 kHz, 8-8 , 1112 UTC	111666 before XPB1. Also at 1121 UTC
14376 kHz, 8-8 , 1113 UTC	111666 before XPB1. Also at 1122 UTC
14876 kHz, 8-8 , 1115 UTC	111666 before XPB1. Also at 1123 UTC
12159 kHz, 9-8 , 2005 UTC	111666 before XPA2. Also at 2008 UTC
12159 kHz, 16-8 , 1053 UTC	111666 before XPA2. Also at 1959 UTC
11559 kHz, 18-8 , 0409 UTC	116116 before XPB
12159 kHz, 18-8 , 0410 UTC	116116 before XPB
13459 kHz, 18-8 , 0411 UTC	116116 before XPB
13959 kHz, 18-8 , 0412 UTC	116116 before XPB
14459 kHz, 18-8 , 0413 UTC	116116 before XPB
11559 kHz, 18-8 , 0418 UTC	111666 before XPB
12159 kHz, 18-8 , 0419 UTC	111666 before XPB
13459 kHz, 18-8 , 0420 UTC	111666 before XPB
13959 kHz, 18-8 , 0420 UTC	111666 before XPB
14959 kHz, 18-8 , 0422 UTC	111666 before XPB
14459 kHz, 18-8 , 0422 UTC	111666 before XPB
11559 kHz, 18-8 , 0425 UTC	116116 before XPB
12152 kHz, 26-8 , 0608 UTC	611116 before XPA2
13372 kHz, 27-8 , 0800 UTC	111666 before XPA2
12152 kHz, 31-8 , 0614 UTC	611116 before XPA2

X06c logs

16190	13-08-2020 0807	Sequence 123456
14875	13-08-2020 0908	Sequence 123456
14875	13-08-2020 0930	Sequence 123456

XPA1

10234/11511/12117 kHz, 04-08, 0710/0730/0750 UTC

829 829 829 1 829 829 829 1 829 829 829 1
 00146 00078 51126 73167 77597 47242 55518 53468 89896 44459
 78052 94634 11317 81935 33770 38686 85538 90484 84011 07621
 37166 39714 10435 37584 13383 45347 43980 82413 34908 70837
 67649 12405 85737 56946 60581 20729 10297 84171 55625 71838
 68109 45612 89493 30616 65517 27699 78829 06134 73307 23948
 57106 35594 29504 84438 96161 92574 28818 65843 40532 27052
 52065 73373 19654 83929 17282 31278 89619 50390 36226 81410
 84013 20158 06730 26453 94857 71537 65303 31927 82800 32635
 11112

10234/11511/12117 kHz, 11-08, 0710/0730/0750 UTC

829 829 829 000
 03535 00001 00000 36256

10234/11511/12117 kHz, 13-08, 0710/0730/0750 UTC

829 829 829 000
07882 00001 00000 36267

10234/11511/12117 kHz, 18-08, 0710/0730/0750 UTC

829 829 829 000
09156 00001 00000 34666

10234/11511/12117 kHz, 20-08, 0710/0730/0750 UTC

829 829 829 000
04338 00001 00000 36657

10234/11511/12117 kHz, 25-08, 0710/0730/0750 UTC

829 829 829 000
08984 00001 00000 37670

10234 kHz, 27-08, 0710 UTC. Stopped after 18 seconds

11511/12117 kHz, 27-08, 0730/0750 UTC

829 829 829 000
06186 00001 00000 34666

XPA2

14372/13372/12172 kHz, 01-08/06-08/08-08, 0910/0930/0950 UTC

00403 00068 19348 13429 66412 10577 03624 21573 82915 72061
52251 22955 71122 17038 88133 68296 45975 69056 02754 58718
55388 43785 10908 55189 13932 19306 25752 16869 71449 55257
19358 29243 56302 90771 59172 83748 43559 49547 91001 33736
29441 84249 19276 78633 94957 51336 55118 43161 79161 66427
78486 77811 83490 63809 84536 01829 10036 17259 44429 18762
76951 53000 11039 30238 88416 65887 38577 06847 85172 17651
77417

13825/12125/11025 kHz, 01-08, 1500/1520/1540 UTC

09034 00001 00000 33264

12159/11559/10559 kHz, 02-08, 2100/2120/2140 UTC

00271 00078 08013 68353 67992 95915 77166 16745 72500 61367
79410 37264 52463 69844 92437 00251 44973 32067 47355 88319
99210 73197 86410 14436 10641 05755 60255 20594 88402 00358
61288 81516 56822 00088 36759 37052 27315 01260 62895 62087
90327 13380 80593 39500 71330 12704 97132 33681 30652 53836
10545 58392 75181 38359 82948 28477 14401 89452 32950 72273
91187 48845 42051 19632 31391 31185 33277 54138 60379 04140
70240 08591 55634 00134 03768 06116 87824 83580 91934 15876
34251

12152/13552/13952 kHz, 03-08, 0700/0720/0740 UTC

07040 00001 00000 31263

18059/16093/14874 kHz, 03-08, 0910/0930/0950

06739 00001 00000 41261

13825/12125/11025 kHz, 03-08/08-08, 1500/1520/1540 UTC

02407 00263 33035 24133 95299 65946 55941 29502 26684 13904
49015 19114 35247 33492 64525 45109 27972 34138 22292 00819
84784 38596 53625 69553 44566 00087 73442 74284 99023 57425
57574 35643 60954 61892 68128 88699 87384 10497 02672 22794
03199 61088 69350 80143 32483 09439 41211 26862 85862 34646
18334 64480 59700 87354 29213 60229 54025 07722 37319 53678

40602 03747 77313 81272 45967 06662 08258 00360 12607 00796
98576 46153 08552 44082 93454 92577 93091 77167 06239 48521
43406 31356 92329 36196 48048 39711 28859 49646 37707 12597
48922 80861 60164 85146 29002 01616 13474 79347 35734 04294
93102 63905 79508 47614 13996 01844 52953 09144 03277 74135
64106 39849 24017 61491 11199 03881 41841 51384 39125 45648
99281 86651 14928 81496 54283 56697 39215 08577 27586 82986
49715 28635 58238 18303 32514 54313 64102 12761 51557 22333
77135 15700 57536 87740 80071 60297 41615 67209 35783 48082
06020 99275 29231 29543 20178 16287 17064 62106 50981 04160
86636 98632 99965 47284 24544 79841 03357 06301 10386 69150
68458 07143 82285 27690 12070 70890 19766 86166 93886 31398
66125 05972 29795 25506 42252 56835 33730 39715 53207 61437
36677 19697 82360 02373 92752 58217 41590 55409 14339 12818
78558 15379 84198 85475 64422 14432 14891 72058 46438 16295
85489 90790 13746 77194 32297 28141 05152 68992 45730 18964
32561 22477 39982 28091 90722 77864 83040 67082 89237 54220
50349 32637 35248 30506 48898 72036 10015 02393 88524 52970
55430 01472 46615 34469 54124 04721 47168 00700 68810 66866
40098 97520 30192 57410 69026 49504 83776 77795 34908 45948
09972 31213 56334 89629 42544 01755

14864/14364/13464 kHz, 04-08, 1600/1620/1640 UTC

09113 00001 00000 33262

12159/11559/10559 kHz, 04-08/09-08, 2100/2120/2140 UTC

00678 00068 68598 14272 97161 92942 26287 43910 38559 37248
61453 14999 22268 48197 11676 22218 13514 41234 12691 04398
31430 83061 12096 18624 88898 09787 11211 11920 68663 08853
65296 29479 02186 01021 03601 73137 42839 69877 29675 66259
58490 65144 55902 58632 47670 41458 51694 10619 90208 55955
65256 74284 38498 44151 73002 25536 59799 10588 53022 57819
17336 60367 86949 06798 58506 35180 32651 95422 62329 44696
02416

12152/13552/13952 kHz, 05-08, 0700/0720/0740 UTC

08124 00001 00000 33662

13919/14719/16219 kHz, 05-08, 1200/1220/1240 UTC

03230 00001 00000 32256

16264/15864/14864 kHz, 06-08, 1100/1120/1140 UTC

09865 00001 00000 37667

14864/14364/13464 kHz, 06-08, 1600-1620/1640 UTC

08783 00001 00000 36270

13919/14719/16219 kHz, 07-08, 1200/1220/1240 UTC

03182 00001 00000 32663

12152/13552/13952 kHz, 10-08/12-08/17-08/19-08, 0700/0720/0740 UTC

00830 00067 43426 03511 94145 98364 45255 65503 80589 54629
58075 52732 69206 67901 54463 03389 31293 19959 02735 03141
48317 02945 13159 97574 24441 35249 57126 65411 19745 39784
83302 93859 36014 87529 39050 78235 85682 48277 93602 34024
73872 13817 90729 52012 28326 25335 45044 70586 42051 14773
76696 58912 17136 37652 21433 23285 85154 11566 43155 38324
10199 10397 38495 94469 59384 85072 71696 46393 22953 74547

18059/16093/14874 kHz, 10-08/12-08/17-08/19-08, 0910/0930/0950

03387 00110 25105 63206 33374 65338 94826 00365 53027 41306
91154 18300 99057 63870 73697 78846 95157 95953 75979 93919
79438 06416 16389 88897 86362 38150 27295 11052 07951 77336
64788 50038 67561 81838 98968 86916 85507 25076 78079 02227
81486 64319 46951 84017 02972 62282 27285 05209 22908 75041
84523 34949 46242 89194 27875 45794 40827 88940 14555 43820
53193 86404 19484 17570 52765 18939 37229 39567 47742 12685
60936 93458 76098 37769 28458 85303 03652 86616 96157 56715
91257 58167 43581 91870 97690 28106 35352 12272 12006 37156
05248 37426 09529 14114 98547 46752 29552 92452 49717 71771
80818 03431 58961 36622 68482 67625 69305 01440 66551 73087
83258 60029 37350

13825/12125/11025 kHz, 10-08, 1500/1520/1540 UTC

07754 00001 00000 36664

14864/14364/13464 kHz, 11-08/13-08, 1600/1620/1640 UTC

00410 00215 94782 15450 22695 63613 53947 95285 50329 05167
38650 50716 10430 35614 53008 03776 62072 79513 66597 26945
87379 38452 41419 45960 70704 35937 42228 69306 06577 39167
87918 33799 46576 15979 36727 61230 96965 50607 56664 86124
57689 09556 11374 81662 26127 41585 91779 18115 25014 54165
04180 72522 68935 13371 17071 17557 22278 91848 48363 86542
90680 45674 64390 52028 68948 75492 21747 07087 59682 96637
58528 35520 12186 95183 18638 55375 41700 74597 32123 21711
37958 83495 52678 56665 80323 50926 05354 44204 65875 01011
04857 39242 91342 99214 29199 60070 10605 51473 75211 81903
20080 31037 26699 45315 54094 13612 06963 28710 35865 67577
49343 60410 42130 42475 29409 20636 74655 12257 01335 40284
02138 32270 13008 54497 09671 14324 89162 77791 27070 56012
58844 28045 91928 23031 23766 15597 86874 70378 04910 71745
65491 76054 13182 48830 64499 55404 69929 81270 29318 61787
49213 90082 75007 56622 67237 94746 84478 90803 16563 76901
79680 88537 04905 19997 90968 24958 20940 42846 03830 09284
46123 06168 25581 36974 05094 09080 14244 70357 46467 54178
15050 24465 34148 21873 50916 30868 41385 18753 63699 21973
22740 96413 81574 52445 82849 16191 86202 36278 49212 75201
06321 60806 86605 88956 52871 35534 04543 32470 46065 09933
84210 59109 97324 64432 62656 99104 73621 04553

12159/11559/10559 kHz, 11-08/16-08, 2100/2120/2140 UTC

03170 00024 50851 74679 12268 84236 81675 58515 84450 49383
20429 49379 48782 72493 34141 48768 35236 41937 23800 82414
49440 67188 37010 81747 79212 77427 44571

16264/15864/14864 kHz, 12-08, 1100/1120/1140 UTC

08120 00001 00000 31662

13919/14719/16219 kHz, 12-08, 1200/1220/1240 UTC

05261 00001 00000 32663

14372/13372/12172 kHz, 13-08, 0910/0930/0950 UTC

03223 00001 00000 33655

16264/15864/14864 kHz, 13-08, 1100/1120/1140 UTC

03060 00001 00000 21662

13919/14719/16219 kHz, 14-08, 1200/1220/1240 UTC

03868 00001 00000 41261

14372/13372/12172 kHz, 15-08, 0910/0930/0950 UTC

04825 00001 00000 37656

13825/12125/11025 kHz, 15-08, 1500/1520/1540 UTC

04562 00001 00000 34662

13825/12125/11025 kHz, 17-08/22-08, 1500/1520/1540 UTC

00630 00134 88179 40303 10079 09466 59463 84763 50405 82991
89619 30142 90641 43076 42698 91052 31712 81617 25011 29197
10333 61894 74526 81597 21292 86920 36013 36153 44380 42117
32361 47488 10917 41562 70828 64855 43785 45243 24922 20886
14751 01565 60986 90806 86357 07321 13255 75317 62402 37719
83451 08808 35701 62802 88060 15754 66093 49957 62703 92600
73781 64436 50169 21508 43005 76651 84849 33072 01638 92789
37979 89054 21200 08276 78139 66011 00675 37875 64917 80835
33121 26156 63569 55864 34305 73425 76546 13092 99988 14914
93758 94265 99067 74461 35662 70359 92567 04175 23780 45412
55798 14288 61672 68989 64573 44656 20516 45080 30696 24397
59135 20507 33797 06106 81378 72243 18106 67314 02322 34564
62507 27454 59533 17037 70368 55871 43545 51348 50925 17429
24800 86403 11298 05357 97621 89746 02253

14864/14364/13464 kHz, 18-08, 1600/1620/1640 UTC

02372 00001 00000 33661

12159/11559/10559 kHz, 18-08/23-08, 2100/2120/2140 UTC

00230 00218 29604 65100 97459 89081 09912 87929 79161 32721
89767 17635 07126 61627 63321 61807 44863 44915 36747 72345
29915 16932 58630 12613 28006 62527 18070 95615 00218 92850
99533 95308 49047 37870 55259 37131 99200 76260 10101 84383
36248 36119 48359 42177 57621 13763 85431 34559 03274 41148
80453 17532 97201 02326 32465 91280 79305 94500 53521 04715
54262 46441 00412 34851 27421 46029 10942 30998 36020 87413
42084 83005 83577 53383 99910 12160 90201 39200 28794 37812
84431 46362 53854 24902 13041 74897 75589 30901 06853 76840
64040 70276 07466 00760 51997 12424 75453 86581 11528 41679
97630 91010 69683 93678 74053 67273 70892 38948 28456 34742
41034 16648 64560 74176 93798 42129 76953 03460 30454 16633
51946 89594 80511 86210 68102 37699 01242 12863 96024 50093
78522 42057 96542 11963 66869 70054 22487 20635 46541 18024
30380 10649 38000 30097 42463 13826 93509 25460 40869 79129
33400 32501 65398 84460 43485 44573 19463 05384 51466 61187
08844 65074 75985 97763 13081 57463 00950 96564 25856 74742
74677 68720 97986 89353 74978 75113 04297 36532 06172 84145
91689 32105 60751 86275 05792 03856 85037 74517 30977 81548
63679 24411 58659 93804 20814 45531 65670 57224 03643 56485
32793 90241 64126 61244 73519 71901 41443 72563 68150 09040
22304 29134 31740 35948 69883 20280 82587 49224 06422 41819
23366

16264/15864/14864 kHz, 19-08/20-08, 1100/1120/1140 UTC

00589 00070 51038 64284 57000 04288 63607 91420 98090 72298
43982 01672 14551 87165 30826 55718 13612 49626 18793 06357
30082 62648 28567 52861 53405 65095 54654 16937 83054 12296
85159 63181 86674 11251 56875 29861 08388 79173 41898 39843
47999 79230 02585 32147 78148 95922 80441 45206 78097 38133
68727 68812 78723 77575 64569 48852 34334 87714 42125 77081
46778 39555 98248 55701 68532 99394 36367 46681 08112 10141
05162 69917 32420

13919/14719/16219 kHz, 19-08/21-08, 1200/1220/1240 UTC

00380 00024 15631 27115 14779 29018 63431 41239 95546 67059
69057 05917 12385 32500 94499 14153 35511 83494 68750 89347
39549 81421 47858 91276 68005 68419 53147

14372/13372/12172 kHz, 20-08/22-08/27-08/29-08, 0910/0930/0950 UTC

00181 00112 51866 64868 10328 36875 68962 38309 93423 96459
25655 38080 53181 77581 40356 21695 33787 53873 76358 09789
45065 13512 15503 73434 16755 26845 93538 26970 88914 22633
57133 01620 83607 19848 51531 01916 19275 50187 99982 05910
71227 70290 58441 95987 11513 07935 89623 62781 34889 32809
34399 34086 05621 42947 11915 94107 93113 16636 36306 46616
56815 66174 60133 24667 66145 90504 22425 79089 83190 24251
77686 00826 35685 78419 29842 31259 37666 01229 53903 95568
81369 87690 22926 80592 90399 48990 49976 56402 94687 37689
98644 19593 48067 54585 73479 13798 51755 58885 00788 96972
71651 21441 70815 75346 95067 81857 50603 24850 26149 14012
89731 82853 99607 44161 11260

14864/14364/13464 kHz, 20-08, 1600/1620/1640 UTC

09458 00001 00000 37266

12152/13552/13952 kHz, 24-08/26-08, 0700/0720/0740 UTC

09190 00068 11898 74674 82557 46708 95368 98107 95992 31742
35230 26323 70647 04372 88343 95886 75170 12896 01456 30426
28680 55530 53361 14510 76869 63475 70506 94553 19223 66261
41441 78142 29055 43265 76459 84210 81389 84126 11621 51324
17862 84963 61982 55517 39924 59281 85457 46699 87014 83295
19091 51707 48543 72133 75504 86783 02266 29996 14487 00487
81313 32157 86449 93310 52155 77142 40480 57275 88170 06607
72015

18059/16093/14874 kHz, 24-08, 0910/0930/0950

02197 00001 00000 35263

13825/12125/11025 kHz, 24-08, 1500/1520/1540 UTC

02197 00001 00000 35263

14864/14364/13464 kHz, 25-08/27-08, 1600/1620/1640 UTC

00135 00100 78328 98716 83810 30884 75906 85014 83451 45713
24303 93128 94096 15775 85675 24252 00094 67485 89746 55482
75623 86332 99263 46077 72981 09439 84781 19192 97734 24428
53800 10120 95361 60738 51882 45381 74885 51292 29066 07771
60939 45938 14383 26019 31995 76047 14938 92415 93273 69467
77727 49970 77664 97740 61693 93261 94043 55092 81100 73569
24754 15732 14666 99042 44615 00005 54992 00232 58519 30358
87929 44122 97991 66644 49604 20986 67691 34473 60636 18571
20962 99631 44870 63814 30614 60284 41572 18343 29801 43805
95227 23121 43483 32824 27625 55984 20391 14493 96811 74658
85112 00284 41501

12159/11559/10559 kHz, 25-08/30-08, 2100/2120/2140 UTC

06392 00202 30619 87657 93326 88916 45534 61770 16541 33660
41306 58976 63737 48260 20934 84400 00345 04827 09670 07509
55127 22796 81139 44388 89242 72364 91577 65880 00136 59131
39531 41045 20953 08137 45748 09648 73242 58490 52753 40719
24516 79614 74912 24126 05257 20039 97525 97367 07973 40720
09029 26018 11892 56206 27201 28225 57694 95318 99933 18110
20951 51137 81285 55174 46337 44891 40044 56254 89547 65925
96522 72568 19052 86919 53475 44148 45538 30490 50793 58639
35623 51671 17631 38798 13147 38331 96494 10851 42486 68326

78740 11842 68430 21552 34332 19144 95135 17910 97572 68056
92634 98872 55951 52236 50386 66395 08555 97343 55851 12278
41495 46916 11674 99357 06690 07839 60185 99366 70850 67440
41567 21928 40803 97678 61896 81939 67673 71020 56760 16549
60274 18240 19792 65901 91329 99506 54403 32079 11438 24428
82039 06660 85030 95686 92595 22259 21846 58997 48994 49432
71592 01442 17791 29509 47262 53383 41870 59328 81667 04231
90654 82899 82777 78145 10739 27720 87825 48477 71466 75997
08653 74758 53462 01402 57431 68516 03165 24146 96261 51323
92745 86407 13655 93410 88975 39691 15753 08613 79046 63999
63163 66812 54747 32191 60845 24960 26744 99173 53556 41273
85386 96505 74011 12689 31772

18059/16093/14874 kHz, 26-08, 0910/0930/0950

05378 00001 00000 36664

16264/15864/14864 kHz, 26-08, 1100/1120/1140 UTC

08641 00001 00000 34664

13919/14719/16219 kHz, 26-08/28-08, 1200/1220/1240 UTC

00215 00226 25301 69366 98409 79075 14626 32248 71977 72723
56048 77204 58251 89899 61899 27151 39507 96777 74054 63090
32147 08522 60022 99150 24399 53384 42369 45447 07834 13243
85102 91039 12640 24076 72771 67700 24270 23027 94908 47498
08882 94764 34787 71634 70788 49084 36526 88817 33293 67921
81882 65032 58049 44162 15090 34892 46139 80792 70091 36417
97194 90638 95060 32257 73985 37148 99357 81570 42190 23577
93156 67704 34532 35258 93758 07730 28949 01836 08602 79536
29711 22959 73059 19130 19486 91977 85672 51354 46173 27774
46129 22524 10382 86882 91885 07843 55223 88563 85198 20706
71961 74562 90249 11088 68071 07636 68426 16994 02852 08953
01825 49433 29914 96016 62204 81898 33884 28573 36820 27372
81670 96049 59112 51399 17835 30309 32201 50006 78841 36166
09947 76182 67882 53314 54709 95829 21032 44142 97790 68907
71342 44393 07597 91940 35084 16723 67509 19971 08118 55001
43572 27932 06563 01147 98375 79528 55512 32544 27739 53367
46857 43313 45872 82107 36763 29492 80643 60701 94504 25965
49198 04376 51999 56676 05307 03742 10730 25511 34828 77446
29954 87743 42641 76214 50692 76880 61706 02319 71431 90764
31308 29166 82154 56713 42141 52467 11462 24373 17289 00872
81154 69351 46013 44994 92034 74219 96335 24916 92871 46303
93298 65950 24113 35674 42844 12799 47126 97990 26306 86407
70318 09986 83145 16088 61272 28051 97318 10378 76100

16264/15864/14864 kHz, 27-08, 1100/1120/1140 UTC

05830 00001 00000 35260

13825/12125/11025 kHz, 29-08, 1500/1520/1540 UTC

05577 00001 00000 37264

18059/16093/14874 kHz, 31-08, 0910/0930/0950

07124 00180 11132 23669 12415 46001 03540 10977 49829 36737
42701 89210 23812 17959 13617 08514 92158 77267 95047 47195
12878 34242 67926 49904 22183 57674 27983 24578 47502 70737
97617 83236 61759 89390 16443 54437 77615 02039 02865 37845
04290 50119 98756 55845 63814 13804 61737 05320 50840 69369
60256 88961 03701 58502 34981 20138 93553 60136 13118 90241
64099 86893 56473 39202 93634 18443 44576 31200 46779 60848
49935 10094 59587 30430 16713 47971 10883 99740 69391 09836
21496 49816 15501 28957 99321 11310 59880 79850 09653 23447
96401 19284 15585 15105 02862 97090 68495 57642 48269 15599
61038 69910 38844 10916 94471 69469 83012 78891 62739 42204

94876 84104 30857 72789 30480 31413 64431 46024 24322 53636
16954 96142 11471 53552 46917 85503 39340 57610 48481 16989
52694 14822 51639 65822 72126 80954 76197 93093 39685 26319
39609 79449 75428 89828 57220 12547 05071 83776 84840 13025
69610 99375 03051 06574 31937 72950 14714 43042 60160 73609
56423 51291 61781 03104 24020 98198 14965 68877 85801 16987
09881 69827 60618 17618 66138 85305 44881 14936 89868 91692
92062 01839 13275

13825/12125/11025 kHz, 31-08, 1500/1520/1540 UTC

08514 00194 78130 55434 20040 30711 52729 90259 88724 59510
02337 25466 31538 26983 52999 36239 81755 23142 09093 95390
96676 82585 09498 40778 54883 36858 74463 72910 13685 41527
31961 99103 96167 00842 86911 69332 25360 89963 23853 50735
32077 63089 94082 85593 05032 36152 05492 87087 28198 15385
13621 47930 76727 87422 50341 49925 39410 48117 31191 31439
20658 04411 27085 08581 75838 76930 63582 97240 58022 33599
76382 92759 95249 15990 50396 22987 15594 53525 67030 21862
17398 26900 46539 81523 36862 58587 87787 23661 58305 50257
30421 83166 32380 78262 39281 67253 25861 62412 96177 74235
73266 09957 66049 29451 69064 21281 93302 86781 59942 74701
53645 52042 93118 89626 06593 89115 15300 21324 26792 20159
39640 59111 22582 55808 16283 73836 14609 46551 35162 11406
71216 88849 00801 82605 61948 40859 81850 16477 77898 30198
94505 75128 51699 00736 10720 26464 53988 47467 60488 61758
42605 36804 89829 06777 67332 94580 01840 46015 66086 54490
97410 84373 02203 71652 34926 81670 45833 62617 37915 38718
36017 41998 28140 68199 46494 73966 07825 74034 31103 39964
08345 35637 04051 79348 03414 46122 74513 55569 67388 29785
88291 11781 78990 30884 97048 91770 12107

XPB1

11559 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0500 UTC
12159 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0510 UTC
13459 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0520 UTC
13959 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0530 UTC
14459 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0540 UTC
14959 kHz, 03-08/04-08/10-08/11-08/17-08/18-08/24-08/25-08/31-08, 0550 UTC

15876 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1200 UTC
14876 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1210 UTC
14376 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1220 UTC
13976 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1230 UTC
13376 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1240 UTC
12176 kHz, 01-08/03-08/08-08/10-08/15-08/17-08/22-08/25-08/29-08/31-08, 1250 UTC

14918 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1900 UTC
13918 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1910 UTC
12218 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1920 UTC
11118 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1930 UTC
10218 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1940 UTC
9118 kHz, 02-08/04-08/09-08/11-08/16-08/18-08/23-08/25-08/30-08, 1940 UTC

UTILITY ROUND-UP

North Korean military

4628 kHz, 21-08, 1947 UTC

VVV 3UJ (x3) DE S8B (x2) QRU
5678 5678 SK SK TT

8340 kHz, 25-08, 0447 UTC. B4Z wkg outstation

B4Z QSA 2 K
QTC K
GA ? K
= 25/1200/39.06.1/134.15.6.0.0/0.01/159.18/19.91 AR K
NIL OK 73

Belarusian military

4982 kHz, 20-08

Lots of net checks throughout the day

5163.5 kHz, 20-08, 1359 UTC

Locman-94 12543 RINO 0470 //4982 kHz
<https://priyom.org/media/250117/lotsman94-5163.5usb-20200820-135959z-msg-recovered.ogg>

Unid

This unknown Bulgarian station sends daily at 0700 UTC the following messages in CW. They look like 24 hours predictions or something like that. All are keyed manually.

4735 kHz, 01-08, 0700 UTC

VVVVV PROMRÖ = 01 08 =
1000 0490 0310 0660 1100
1200 0510 0330 0690 1140
1400 0490 0320 0680 1130
1600 0470 0290 0620 1030
1800 0470 0240 0590 0850
2000 0530 0200 0640 0890
2200 0520 0300 0620 0880
0000 0400 0200 0490 0670
0200 0330 0200 0400 0550
0400 0310 0200 0370 0520
0600 0390 0200 0510 0750
0800 0450 0280 0590 0960 = ABV =
VVVVV PROMRÖ = 01 08 =
1000 0490 0310 0660 1100
1200 0510 0330 0690 1140
1400 0490 0320 0680 1130
1600 0470 0290 0620 1030
1800 0470 0240 0590 0850
2000 0530 0200 0640 0890
2200 0520 0300 0620 0880
0000 0400 0200 0490 0670
0200 0330 0200 0400 0550
0400 0310 0200 0370 0520
0600 0390 0200 0510 0750
0800 0450 0280 0590 0960 = AR

4735 kHz, 03-08, 0700 UTC

VVVVV PROMRÖ = 03 08 =
1000 0490 0310 0660 1090
1200 0510 0330 0690 1140
1400 0490 0320 0680 1120
1600 0470 0290 0620 1030
1800 0470 0240 0590 0860
2000 0540 0200 0650 0900
2200 0520 0200 0630 0890
0000 0410 0200 0490 0680
0200 0330 0200 0400 0550
0400 0310 0200 0380 0520
0600 0390 0200 0510 0750
0800 0450 0280 0590 0960 = ABV =
VVVVV PROMRÖ = 03 08 =
1000 0490 0310 0660 1090
1200 0510 0330 0690 1140
1400 0490 0320 0680 1120
1600 0470 0290 0620 1030
1800 0470 0240 0590 0860
2000 0540 0200 0650 0900
2200 0520 0200 0630 0890
0000 0410 0200 0490 0680
0200 0330 0200 0400 0550
0400 0310 0200 0380 0520
0600 0390 0200 0510 0750
0800 0450 0280 0590 0960 = AR

4735 kHz, 07-08, 0700 UTC

VVV VVV PROMRÖ = 07 08 =
1000 0500 0310 0660 1090
1200 0520 0330 0680 1140
1400 0320 0670 0680 1120
1600 0490 0290 0630 1030
1800 0480 0240 0600 0870
2000 0550 0200 0660 0920
2200 0530 0200 0640 0890
0000 0410 0200 0490 0680
0200 0340 0200 0400 0560
0400 0310 0200 0370 0520
0600 0390 0200 0510 0750
0800 0460 0270 0600 0950 = ABV =
VVV VVV PROMRÖ = 07 08 =
1000 0500 0310 0660 1090
1200 0520 0330 0680 1140
1400 0320 0670 0680 1120
1600 0490 0290 0630 1030
1800 0480 0240 0600 0870
2000 0550 0200 0660 0920
2200 0530 0200 0640 0890
0000 0410 0200 0490 0680
0200 0340 0200 0400 0560
0400 0310 0200 0370 0520
0600 0390 0200 0510 0750
0800 0460 0270 0600 0950 = AR

4735 kHz, 08-08, 0700 UTC

VVVVV PROMRÖ = 08 08 =
 1000 0510 0300 0660 1090
 1200 0520 0310 0680 1140
 1400 0510 0310 0680 1120
 1600 0490 0280 0630 1020
 1800 0480 0290 0600 0870
 2000 0550 0200 0660 0920
 2200 0530 0200 0640 0900
 0000 0410 0200 0490 0680
 0200 0340 0200 0400 0560
 0400 0310 0200 0370 0520
 0600 0390 0200 0510 0750
 0800 0460 0260 0600 0950 = ABV =
 VVVVV PROMRÖ = 08 08 =
 1000 0510 0300 0660 1090
 1200 0520 0310 0680 1140
 1400 0510 0310 0680 1120
 1600 0490 0280 0630 1020
 1800 0480 0290 0600 0870
 2000 0550 0200 0660 0920
 2200 0530 0200 0640 0900
 0000 0410 0200 0490 0680
 0200 0340 0200 0400 0560
 0400 0310 0200 0370 0520
 0600 0390 0200 0510 0750
 0800 0460 0260 0600 0950 = AR

4735 kHz, 13-08, 0700 UTC

VVVVVVVV VVV PROMRÖ = 13 08 =
 1000 0520 0300 0580 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0670 1110
 1600 0490 0280 0640 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0640 0900
 2400 0410 0200 0490 0680
 0200 0340 0200 0410 0560
 0400 0300 0200 0370 0510
 0600 0390 0200 0500 0750
 0800 0470 0260 0610 0940 = ABV
 VVVVVVVVVV PROMRÖ = 13 08 =
 1000 0520 0300 0580 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0670 1110
 1600 0490 0280 0640 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0640 0900
 2400 0410 0200 0490 0680
 0200 0340 0200 0410 0560
 0400 0300 0200 0370 0510
 0600 0390 0200 0500 0750
 0800 0470 0260 0610 0940 = AR

4735 kHz, 11-08, 0702 UTC

VVVVV PROMRÖ = 11 08 =
 1000 0510 0300 0670 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0670 1120
 1600 0490 0280 0630 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0650 0910
 2400 0420 0200 0500 0690
 0200 0350 0200 0410 0570
 0400 0310 0200 0470 0510
 0600 0390 0200 0510 0750
 0800 0460 0260 0610 0950 = ABV =
 VVVVV PROMRÖ = 11 08 =
 1000 0510 0300 0670 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0670 1120
 1600 0490 0280 0630 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0650 0910
 2400 0420 0200 0500 0690
 0200 0350 0200 0410 0570
 0400 0310 0200 0470 0510
 0600 0390 0200 0510 0750
 0800 0460 0260 0610 0950 = AR

4735 kHz, 14-08, 0700 UTC

VVVVV PROMRÖ = 14 18 =
 1000 0520 0300 0680 1080
 1200 0520 0310 0680 1130
 1400 0510 0310 0670 1110
 1600 0490 0280 0640 1020
 1800 0480 0220 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0640 0900
 2400 0410 0200 0490 0680
 0200 0340 0200 0410 0560
 0400 0300 0200 0360 0500
 0600 0390 0200 0500 0740
 0800 0470 0260 0610 0940 = ABV =
 VVVVV PROMRÖ = 14 08 =
 1000 0520 0300 0680 1080
 1200 0520 0310 0680 1130
 1400 0510 0310 0670 1110
 1600 0490 0280 0640 1020
 1800 0480 0220 0600 0870
 2000 0560 0200 0670 0930
 2200 0530 0200 0640 0900
 2400 0410 0200 0490 0680
 0200 0340 0200 0410 0560
 0400 0300 0200 0360 0500
 0600 0390 0200 0500 0740
 0800 0470 0260 0610 0940 = AR

4735 kHz, 12-08, 0700 UTC

VVV VVV PROMRÖ = 12 08 =
 1000 0520 0300 0670 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0680 1110
 1600 0490 0280 0640 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0940
 2200 0530 0200 0650 0900
 0000 0420 0200 0500 0690
 0200 0350 0200 0410 0570
 0400 0310 0200 0370 0510
 0600 0390 0200 0500 0750
 0800 0470 0260 0610 0940 = ABV
 VVV VVV PROMRÖ = 12 08 =
 1000 0520 0300 0670 1080
 1200 0520 0310 0680 1130
 1400 0520 0310 0680 1110
 1600 0490 0280 0640 1020
 1800 0480 0230 0600 0870
 2000 0560 0200 0670 0940
 2200 0530 0200 0650 0900
 0000 0420 0200 0500 0690
 0200 0350 0200 0410 0570
 0400 0310 0200 0370 0510
 0600 0390 0200 0500 0750
 0800 0470 0260 0610 0940 = AR

4735 kHz, 16-08, 0700 UTC

VVVVV PROMRÖ = 16 08 =
 1000 0530 0310 0690 1080
 1200 0520 0320 0680 1130
 1400 0520 0320 0670 1110
 1600 0490 0290 0640 1020
 1800 0480 0230 0600 0880
 2000 0570 0200 0680 0950
 2200 0530 0200 0640 0900
 0000 0410 0200 0490 0680
 0200 0350 0320 0410 0570
 0400 0300 0200 0360 0510
 0600 0390 0200 0500 0048
 0800 0470 0270 0620 0930 = ABV =
 VVVVV PROMRÖ = 16 08 =
 1000 0530 0310 0690 1080
 1200 0520 0320 0680 1130
 1400 0520 0320 0670 1110
 1600 0490 0290 0640 1020
 1800 0480 0230 0600 0880
 2000 0570 0200 0680 0950
 2200 0530 0200 0640 0900
 0000 0410 0200 0490 0680
 0200 0350 0320 0410 0570
 0400 0300 0200 0360 0510
 0600 0390 0200 0500 0048
 0800 0470 0270 0620 0930 = AR

4735 kHz, 31-08, 0700 UTC

VVVVV PROMRÖ = 31 08 =
 1000 0540 0300 0700 1060
 1200 0530 0320 0690 1110
 1400 0520 0310 0670 1090
 1600 0500 0280 0650 0990
 1800 0490 0220 0610 0890
 2000 0580 0200 0690 0950
 2200 0530 0200 0640 0910
 0000 0400 0200 0480 0670
 0200 0370 0200 0440 0590
 0400 0340 0200 0400 0550
 0600 0390 0200 0500 0730
 0800 0470 0260 0610 0910 = ABV =
 VVVVV PROMRÖ = 31 08 =
 1000 0540 0300 0700 1060
 1200 0530 0320 0690 1110
 1400 0520 0310 0670 1090
 1600 0500 0280 0650 0990
 1800 0490 0220 0610 0890
 2000 0580 0200 0690 0950
 2200 0530 0200 0640 0910
 0000 0400 0200 0480 0670
 0200 0370 0200 0440 0590
 0400 0340 0200 0400 0550
 0600 0390 0200 0500 0730
 0800 0470 0260 0610 0910 = AR

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-08	2146	Orthodox	30 chr EAM NLFNEY 4V5XC564VDHJYXVHKFUE3BRH
02-08	0232	Radiation	30 chr EAM NLCH2T GEKOOPGRLFVDTNUN5SRMCTJL
02-08	1503	Radiation	30 chr EAM for Bleep M5QYRF IFFPVG4AREE7FILP4HZFPUL
02-08	1633	Radiation	30 chr EAM for Bleep M54WJO AOH6ZXGQORRN4JR72LGPJ4ZP
02-08	1648	Radiation	30 chr EAM for Bleep M5GHRY SAYL7CBFWHU6TB4GY4KAW45G
02-08	1817	Radiation	30 chr EAM for Bleep M5756B 2AIMHZG2OG3XIBE7MTJ6WMKG
02-08	1836	Radiation	110 chr EAM XYH5SI GG6JPCGDQN6Q7NSJKSCH4762DBE3IDOXZ5GWU3OVLNWXRAGG B3BEGOOOO2UNLWK73BZLX6SYPS6ROHFHWH4WCJSJLRL4PPPPLTCKM2RTH
02-08	2222	Radiation	30 chr EAM NLVMUE JYBI7E4GWBO7GM3SZTDPFX4W
03-08	0042	Bad Blood	30 chr EAM NL2V62 OWKJ5VSOHL6QQAFJRPVZVNWU3
03-08	0904	Bad Blood	148 chr EAM XYEV4K W4UKL4LTKLHFIRSTKKADMECX6C7HBSVNPOLHAUHZX4S46NNNNN NFUSHSYXFWRHUBOBE6PMMMMHPPIFWKBLBYXLR3XHOLLL4QPRERK3P27XTUIWO6VS 44EHUL4VJXXJF6VVVVY6XYBS46Y
03-08	1411	Bad Blood	30 chr EAM NLABAL 4XNQHXWETUPATIDECKCQP5M3
03-08	1438	Bad Blood	30 chr EAM NLBMZT MNXGTQD32CRAPQKIWVMRH2W6
03-08	2042	Bad Blood	30 chr EAM NLXVNN RO4GEFAH4PL4R6WMDIJE4LRB
03-08	2102	Bad Blood	30 chr EAM NLE3PP QKSQUH3CVPFV55UPKASV7CD
03-08	2105	Bad Blood	30 chr EAM NLE3PP QKSQUH3CVPFV55UPKASV7CD
03-08	2109	Bad Blood	30 chr EAM NLNLVW PALSFVVREO7HJSFG2Z4JOT6D
03-08	2113	Bad Blood	30 chr EAM NLXVNN RO4GEFAH4PL4R6WMDIJE4LRB
03-08	2116	Bad Blood	30 chr EAM NLLHPR P32BEH67GINZI2L4WGVBOLS
03-08	2132	Bad Blood	71 chr EAM M5PHCA Y7LFOBSLIVPNEZORX4LYPVHLEB6PCYEKI- KWXCZ243YEKYKPD67S63LW72KCAM3DS6
03-08	2220	Bad Blood	30 chr EAM M5YONC OG22MF7ZJ7S4LRZ2KOVGRM3U
03-08	2232	Bad Blood	30 chr EAM NLBNTJ UYHGJ7VLSJC7HP3WNNBIAQS
03-08	2245	Bad Blood	30 chr EAM NLYYS6 46KIDNMVZSD6OOQTAJ2QTSZG

03-08	2330	Bad Blood	30 chr EAM NLP2R2 DOEG2ROIUZURW5HI3DCXOHEB
10-08	1716	Extension	30 chr EAM NL3ITB 3T2ZZ7SG67FFGMLKTWEIRFKZ
10-08	1722	Extension	37 chr EAM M5A4JO V2JQKTVRG4HPIANGQ4ESVLAVBKODHSL
12-08	1702	Winnebago	54 chr EAM M5MNAY IJX5SCQV4FPTHFQDXN6DF67MIPVADRR2KRIZIPV7DV367PSJ
12-08	1818	Winnebago	30 chr EAM NLXAK7 Z57KGTJVNLRBHFHOSIPBEFUY
12-08	1822	Winnebago	30 chr EAM NLYKYF 03IZ3XRUNDQOQUH7R7NTPKQR
12-08	1830	Winnebago	54 chr EAM M5MNAY IJX5SCQV4FPTHFQDXN6DF67MIPVADRR2KRIZIPV7DV367PSJ
12-08	1858	Winnebago	30 chr EAM NLLX66 KBYDYX33TKQJWPK26CVGBJKF
12-08	1900	Winnebago	30 chr EAM NLYKYF 03IZ3XRUNDQOQUH7R7NTPKQR
12-08	1903	Winnebago	30 chr EAM NLXAK7 Z57KGTJVNLRBHFHOSIPBEFUY
14-08	1549	Rare Find	132 chr EAM XYSDK2 BN3267JOACTEPA6SC73RJUMK47PLL3R33265IHK66WWWQREI3C5 525D3QK3US6OOODNP5YUJQ2CDNZSSNNWB8BBBCOOTB7XVR64XTBX5DGBGHWG3DDD DUJ66IRXDJ
14-08	1720	Rare Find	37 chr EAM M5J7AY GRYVS2FRPRT6WBMVPOJYBZHNFT7N2GN
14-08	1733	Rare Find	30 chr EAM NLQNR7 Z3QRIKBMM7F5UDBK3GGSW6PK
14-08	1759	Rare Find	54 chr EAM M5WOL2 ZUWKB5TGZ5E2XUFHK2UFHKCFZ2WPZAWOO6HLZ2OPZ7GK2GX6
14-08	2003	Rare Find	30 chr EAM NLH2R4 DXKINQVR6PPQXOAJB3CH4DO7
14-08	2106	Rare Find	30 chr EAM NLTAMI XZLYGRKCIJODZFMBOKDJEJRN
14-08	2117	Rare Find	30 chr EAM NLBFHQ IGWZDCDZSF2XI3NJ4WUFQ4XA
14-08	2127	Rare Find	30 chr EAM NLRPUN VZTLIFVIVPJPMFUMJPWT3P2L
14-08	2132	Rare Find	30 chr EAM NLMFHT UIFN7G7YTS5PK65XDMCHZQBJ
14-08	2145	Rare Find	30 chr EAM NLRTYE ENHLQU4B466C3KY4YTCWZAE
14-08	2200	Rare Find	41 chr EAM M5FHS6 RQHN3EYH37OC23ODRFRZFDQDQJAZDB6IPGE
14-08	2211	Rare Find	30 chr EAM M5RQQL GRZWO7GWO5L2AVSCVBF2NVOU
14-08	2230	Rare Find	41 chr EAM M5FHS6 RQHN3EYH37OC23ODRFRZFDQDQJAZDB6IPGT
14-08	2233	Rare Find	30 chr EAM NLB6ZV XRQGCABTZB2UJWBJEKAKVWRO
14-08	2236	Rare Find	30 chr EAM NLKPP2 P5EPJEXDRUDKPIKKLGP2GHS3
14-08	2252	Rare Find	30 chr EAM M5RBFQ TQH4TPJNFL4K7P3DMGIKX2S3
14-08	2254	Rare Find	30 chr EAM NLUYD4 ANJFG63PHZ4DQUZOP7DJT6ZL
14-08	2259	Rare Find	30 chr EAM NLKPP2 P5EPJEXDRUDKPIKKLGP2GHS3
14-08	2304	Rare Find	30 chr EAM NLUYD4 ANJFG63PHZ4DQUZOP7DJT6ZL
14-08	2306	Rare Find	30 chr EAM NLKPP2 P5EPJEXDRUDKPIKKLGP2GHS3
14-08	2309	Rare Find	30 chr EAM NLB6ZV XRQGCABTZB2UJWBJEKAKVWRO
15-08	1303	Space Gun	30 chr EAM NL3O3H TVE3GPH64XC3DBJEYT3XHVLP
15-08	1535	Space Gun	30 chr EAM NL3FUV 4MNUIU7OT3RBMQ42ZVP6DJBR
16-08	1632	Sea Otter	30 chr EAM for Gulf M5WGP 2KUB3VJN3L2J4OBCQ3PLBHTU
16-08	2149	Sea Otter	30 chr EAM NLYAB4 OZGN6OY6OMWB27JJINGLESYR
16-08	2152	Sea Otter	30 chr EAM NL6A62 EIJTUQCT56KLZ5235JQ7LN5J
16-08	2201	Sea Otter	30 chr EAM NLSRZF TD3V4IRVJWFYOVJXZNHK6WRP
16-08	2211	Sea Otter	30 chr EAM NLDEBW APBTDEN2UJRL4WHG7JCBTESR
16-08	2220	Sea Otter	30 chr EAM NLL7HC WHBVVU6IN63Q4ZB6WPQIWDVL
16-08	2222	Sea Otter	30 chr EAM NLY5BY MUZKAZ6V4JRHNV13YYMG4FQA
16-08	2230	Sea Otter	30 chr EAM NLY5BY MUZKAZ6V4JRHNV13YYMG4FQA
16-08	2233	Sea Otter	30 chr EAM NLE46V XT3BU6IZXFC7X4H2T2SGRNHF
16-08	2236	Sea Otter	30 chr EAM NLWCPY WW4KIYL7HBEOTVCTR3QA7GSR
17-08	0811	Majority	30 chr EAM 4XGAQE CMLL4YIAGBUBMGH6URTF6M2D
17-08	1655	Majority	30 chr EAM 4XAQYS RAQVJWQSC66V5ZGDQVTD7O3R
17-08	1707	Majority	30 chr EAM 4X6AOU 7IVPUGHQNA6FY2EIGAPY2HKQ
17-08	1710	Majority	30 chr EAM 4XGPMW CR2N3BBZZYJVS2QHTRGMPUXV
17-08	1738	Majority	30 chr EAM 4XBS6P 6WLJDPYIWN33AIQAYWF4EOP
17-08	1802	Majority	30 chr EAM 4XBS6P 6WLJDPYIWN33AIQAYWF4EOP
18-08	0535	Plyboard	148 chr EAM XYPVSB DHQ3SJIBYQMT6XCDVCJLID6FQP5YJA2YJDNZNZNZSBBB8COM7MK 262M2RJRJGRRWWWOF64TWU5LDGBGVWH3DDDDUTS4YQR7R7ZJFJOWOAAAAE3 4 5TH6OV6THLHHB66TTTTTRGUDFQZW6
18-08	2248	Plyboard	47 chr EAM M5SS47 JNLLMH6XBDIDTBYDZ7TYDZ5EYDZ2TMLU7LUKWIFKI
19-08	1312	Roll Call	30 chr EAM 4X2UAI HL6H4RIUCJ7VZVRGFKNGPZOW
19-08	1316	Roll Call	30 chr EAM 4X4J4X TSIODMNSJDY2P6AU3TG3OYP6
19-08	1336	Roll Call	30 chr EAM 4XBUQK F4WHUKKND4Y7R6GTYHRY6PK
19-08	1513	Roll Call	30 chr EAM for Pin-Up M5WQKC 5LYAHNORJR3ZEJDZOXKNT2WN

19-08	1516	Roll Call	30 chr EAM for Pin-Up M5YYST BZBIAYTK2YXYXFUXBIYY357Q
19-08	1607	Roll Call	30 chr EAM for Bidding M5O7NU 4YJ2DD3AF37JBXEVRQKDPKE
19-08	1623	Roll Call	30 chr EAM for Pin-Up M56D23 6XVU75P7XEZHUF5UQJXX3UOEE
19-08	1632	Roll Call	30 chr EAM for Bidding M5JZVV GJWZZ5G2KLCMPQDGC6NSUR6L
19-08	1816	Roll Call	30 chr EAM for Pin-Up M5AXZV TB2OIS7TSJQR4TPCNLV56YMR
19-08	1824	Roll Call	148 chr EAM XY42EH U3B3XHX73L6QVNSJKSCH472JDBT3DIOHIFAFDFOU66BVZZ6PPPP W33OWRWXXZAGLWBEGOOO02UNLMOULBZ7U6SFPS2ROHCWBHNCJS7LY4RPPPPPLT CKSEG3BHITRSMDSADMECC6F6SVUEY
19-08	1836	Roll Call	30 chr EAM for Bidding M5XN2L GIXK3SLZL7I2Z43YCTLK6EDB
19-08	1844	Roll Call	30 chr EAM for Bidding M52WPO YDMBQ3CQYCHWA7QP7QVYUYUI
19-08	1852	Roll Call	30 chr EAM for Pin-Up M5AXZV TB2OIS7TSJQR4TPCNLV56YMR
19-08	2114	Roll Call	30 chr EAM 4XOEAO 3BKWLWZ2SONNVC2P6ER72EE3
19-08	2146	Roll Call	30 chr EAM 4XG3AR JY4ECHNOOWWWJBEBEFFKQPBJT
19-08	2202	Roll Call	30 chr EAM for Bidding M5YFGR 45JXPX3M3EVMXBCD6NA7ZZI7
19-08	2204	Roll Call	30 chr EAM for Bidding M5YFGR 45JXPX3M3EVMXBCD6NA7ZZI7
19-08	2216	Roll Call	30 chr EAM for Bidding M5I5N5 QWZ3DCZE6PSWCA4K57XJNYA7
19-08	2230	Roll Call	30 chr EAM for Bidding M5CETS SBM3OULR7D7CZIZA7SHUA7NU
20-08	0132	Syllabub	30 chr EAM for Bidding M5J5MN TQ46FM5MPNF3AYL2IW53KGS
20-08	0146	Syllabub	30 chr EAM for Bidding M5F632 TMXHMJY6EK7ZG6CVJ4Q4H22Q
20-08	0232	Syllabub	30 chr EAM 4XZCGW QHTP23P5TRUR6ZTNIBV63UW
20-08	0402	Syllabub	30 chr EAM 4XYUEX 3GQPYIK4BK55ENO7J3GIKZES
20-08	1133	Syllabub	37 chr EAM M5TW3U SBHQEKTNV5ZDH5GI74K2TYQZEOT5NHE
20-08	1148	Syllabub	37 chr EAM M5TW3U SBHQEKTNV5ZDH5GI74K2TYQZEOT5NHE
20-08	1232	Syllabub	37 chr EAM M53FFB OF2A2RXQP2MATW247NXI3TOVEDESRHC
20-08	1333	Syllabub	30 chr EAM for Bidding M547G CH5PLB3ZFHLXALQKIZWBDZ4Z
20-08	1546	Syllabub	30 chr EAM 4X5MFD 7ISB3RMTRTIQR3ETNHZUDNV6
20-08	1602	Syllabub	30 chr EAM 4X3BJR 6G6S4YU76L7S2NTJEA7AZIT
20-08	1606	Syllabub	30 chr EAM 4XPDCU CH5TPP32FEJWQZJ4HN47FDQI
20-08	1609	Syllabub	30 chr EAM 4XAWUG GLPCVBLZD4QDQ4XCOZIOJGDR
20-08	1953	Syllabub	30 chr EAM for Marco-56 M5QQUO QKWMJZOMUBQMYZMSK5BDZ2YJ
20-08	2004	Syllabub	30 chr EAM 4XFREL J7KVXQJTOTN44C7AO3XEYO67
20-08	2018	Syllabub	30 chr EAM 4XHSB5 OORC6UTGXIPXEHGJYZORFATY
20-08	2021	Syllabub	30 chr EAM 4X3F5CDYVCMCXP3GN3HOZ7CSYQ3D2V
20-08	2203	Syllabub	30 chr EAM for Bidding M5E2KH ESFHFAHLT2TR5OJYVFO2BMI
21-08	0623	Pool Hall	30 chr EAM M5DK2C PPUWLGYA5JBPCNYFNCDIHCBU
21-08	0650	Pool Hall	42 chr EAM M53KLT YNM7TFZ6QTZPWJMLCGMIVCIO7IPHPN4UHFY
21-08	0657	Pool Hall	30 chr EAM M53JKF CBFQGBSJUR57ADH7ML7DPAUU
21-08	0737	Pool Hall	30 chr EAM 4XTA2Y HEDA7JAFD6VW6HAZVTPJNURT
21-08	1747	Pool Hall	30 chr EAM for Acre-22? M5SNRO FWKOGENLVRQ4IG45VTTH5UNH
21-08	1817	Pool Hall	30 chr EAM 4XXLE3 6NXISO6EJPQT5B6GIZ47T3B
21-08	2006	Pool Hall	30 chr EAM 4XVFFR QQYYC36IWBRI4CLEDO4TLNF
21-08	2009	Pool Hall	30 chr EAM 4XPLRW SGWBOM32LWCOSWUSN72RTKDF
21-08	2029	Pool Hall	30 chr EAM 4XPLRW SGWBOM32LWCOSWUSN72RTKDF
21-08	2032	Pool Hall	30 chr EAM 4XVFFR QQYYC36IWBRI4CLEDO4TLNF
21-08	2035	Pool Hall	30 chr EAM 4X22WF NN6VZ4ZSBBHIPBU7TV73X6P
21-08	2041	Pool Hall	30 chr EAM 4XGRL7 5P5AYWC72E76M6FUCKHX2ZLJ
22-08	2104	Quantity	54 chr EAM M5X6LK BL2PIIKNK7VACANADQHNADXNCBTLQPZYVWYACOTDQKSN56RT
22-08	2147	Quantity	30 chr EAM 4XXPOY DJFE5Q7RFT7SO4FDJFFGGU4Q
22-08	2211	Quantity	37 chr EAM M5L4W6 XHVKUCXM4DBD53PPXD2DZFFYSXYFRVO
22-08	2224	Quantity	37 chr EAM M5L4W6 XHVKUCXM4DBD53PPXD2DZFFYSXYFRVO
23-08	0234	Diplomat	30 chr EAM 4XHRZH VQAC3YFQ2EP4ZEKZT4SVFIYR
22-08	0403	Diplomat	36 chr EAM M5YUVR X4J6VRKV2A6OMB3P4CRZ47XBRAQAO
22-08	1658	Diplomat	132 chr EAM XYQMUI 6XJER6WGKWDIXPACJA4U7HB6VSA6VN3SHQEXWWWHPBLLLUBM MMMHPPILK22KFYDL3L33LLLL4QDS4EMUUQ4XJF6JVVVVVWVWSPCL6EC2DXVDFVGRRR RHENR3KEFU
22-08	1710	Diplomat	132 chr EAM XYQMUI 6XJER6WGKWDIXPACJA4U7HB6VSA6VN3SHQEXWWWHPBLLLUBM MMMHPPILK22KFYDL3L33LLLL4QDS4EMUUQ4XJF6JVVVVVWVWSPCL6EC2DXVDFVGRRR RHENR3KEFU
23-08	1730	Diplomat	132 chr EAM XYQMUI 6XJER6WGKWDIXPACJA4U7HB6VSA6VN3SHQEXWWWHPBLLLUBM MMMHPPILK22KFYDL3L33LLLL4QDS4EMUUQ4XJF6JVVVVVWVWSPCL6EC2DXVDFVGRRR

			RHENR3KEFU
23-08	1755	Diplomat	132 chr EAM XYN5QB CYYSNZAQWOTEVA6SC63RJUMO4ROBTJCEI32ACCCDKQ6663QOOO O DNP5YACCAJDSZTTZTTB BBB COM7MIKVVN2GJVJOOJWWWWOFR64UT54TDVBPVKPADD DDUJ66XIBNJ
23-08	1809	Diplomat	132 chr EAM XYN5QB CYYSNZAQWOTEVA6SC63RJUMO4ROBTJCEI32ACCCDKQ6663QOOO O DNP5YACCAJDSZTTZTTB BBB COM7MIKVVN2GJVJOOJWWWWOFR64UT54TDVBPVKPADD DDUJ66XIBNJ
23-08	1818	Diplomat	132 chr EAM XYQMUI 6XJER6WGKWDIXPACJA4U7HB6VSA6VN3SHQEXWWHPBLLLUB- MMMMHPPILK22KFYDL33L33LLL4QDS4EMUUQ4XJFJ66JVVVVYW- SPELC6EC2DXVDFVGRRRRHENR3KEFU
23-08	1838	Diplomat	132 chr EAM XYQMUI 6XJER6WGKWDIXPACJA4U7HB6VSA6VN3SHQEXWWHPBLLLUBM MMMHPPILK22KFYDL33L33LLL4QDS4EMUUQ4XJFJ66JVVVVYWSPELC6EC2DXVDFVGRRR RHENR3KEFU
23-08	1900	Diplomat	132 chr EAM XYN5QB CYYSNZAQWOTEVA6SC63RJUMO4ROBTJCEI32ACCCDKQ6663QOOO O DNP5YACCAJDSZTTZTTB BBB COM7MIKVVN2GJVJOOJWWWWOFR64UT54TDVBPVKPADD DDUJ66XIBNJ
23-08	1939	Diplomat	132 chr EAM XYN5QB CYYSNZAQWOTEVA6SC63RJUMO4ROBTJCEI32ACCCDKQ6663QOOO O DNP5YACCAJDSZTTZTTB BBB COM7MIKVVN2GJVJOOJWWWWOFR64UT54TDVBPVKPADD DDUJ66XIBNJ
23-08	2109	Diplomat	37 chr EAM M5BNBA O3S4OLGU4RKKJYZFQ4FP2HEQ4Z3HZZM
23-08	2145	Diplomat	30 chr EAM 4XWF2W QSB6JWFKRM27BNQT3N6BSRGW
23-08	2223	Diplomat	30 chr EAM 4XTKSY TKYEA6E7XE5Q2CRFLOUA3OQS
24-08	0029	Top Song	30 chr EAM 4XALAK YYCA2P7YHNWNOFYUOPZNXDRK
23-08	0054	Top Song	30 chr EAM 4XIORF Z5UASDFEBJAPIY2HKCW4RSIH
23-08	1949	Top Song	30 chr EAM 4XQUPM XC2QI5PNDR4Q67JT2ZIC7FMX (2 different stations/operators at the same time)
23-08	2325	Top Song	30 chr EAM 4XZQOL IWYJYUV3IB6BXY4SRYJN3DE
23-08	2332	Top Song	30 chr EAM 4XO42C W4CXKPUPV5QH5FVP5GZFTDOP
23-08	2342	Top Song	30 chr EAM 4XAPVP 4CGYBVEL43N7GUYD4P4X7QSH
23-08	2345	Top Song	30 chr EAM 4XAPVP 4CGYBVEL43N7GUYD4P4X7QSH
26-08	1633	Publisher	30 chr EAM for Timer M5GWBS Z273HEV2T5YLQB67U3IHMAVR
26-08	1747	Publisher	30 chr EAM for Forta-52 M5K5KI 5BJ2P3TKE3FB7BISB3AEAJUR
26-08	1803	Publisher	30 chr EAM for Timer M54SRC XP2EHENWVE76OG3L5SFEMLSY
26-08	1816	Publisher	30 chr EAM 4XYLJS XCEB6LDUXNXHPG5VRHN4SJET
26-08	1821	Publisher	30 chr EAM M5IOSG QOCZVXVJKXKTQIRDQ3ZIHENI
26-08	1830	Publisher	30 chr EAM M5IOSG QOCZVXVJKXKTQIRDQ3ZIHENI
26-08	1946	Publisher	30 chr EAM 4XVCMH I4PDP6BOMNQBRMP4C53YAS6L
26-08	1949	Publisher	30 chr EAM 4XVCMH I4PDP6BOMNQBRMP4C53YAS6L
26-08	2214	Publisher	30 chr EAM 4X5NMF 7SAEUNTPI377L6HEH5PV6THC
26-08	2229	Publisher	30 chr EAM 4X5NMF 7SAEUNTPI377L6HEH5PV6THC
26-08	2236	Publisher	30 chr EAM 4XAPVP 4CGYBVEL43N7GUYD4P4X7QSH
27-08	0232	Dedicate	30 chr EAM 4XUSOJ UGIBXPQHOOSH YMW7OB4YSXVE
27-08	0239	Dedicate	30 chr EAM 4XUSOJ UGIBXPQHOOSH YMW7OB4YSXVE
27-08	1003	Dedicate	30 chr EAM for Dweller 5CTRUK GC6DIEJBMTTRHZWC4TLUZ76Z
27-08	1020	Dedicate	30 chr EAM for Dweller 5C2CYL XAGFXDHFC7AWQGY4HVFEYYAW
27-08	1034	Dedicate	30 chr EAM for Dweller 5CLAKO W6KFGTF2YJUDATNRPJH7F2K
27-08	1247	Dedicate	30 chr EAM for Dinah 5CKEFD EE6S7IWKTFSQE7U33JT5RXQ
27-08	1307	Dedicate	30 chr EAM for Dinah 5C3WSZ HUFULNUHTAJA3LJRDIEO5UFI
27-08	1326	Dedicate	30 chr EAM for Dinah 5CZGD3 3LF7CXB NBPH5GK7JH62WE4L
27-08	1346	Dedicate	30 chr EAM for Dinah 5CH2DO VYHKFBAD2527UZFQOZEBA74F
27-08	1417	Dedicate	30 chr EAM 5CAQYJ BE22QRH2476HA2IV5QYXIKJV
27-08	1727	Dedicate	30 chr EAM for Doughty-58 5CUE6X FMA44YXB4OGIO22O5D6PYJ7D
27-08	1816	Dedicate	30 chr EAM 4XXKXW CATP6KBKE2K67XZIN5XBVQSY
27-08	1946	Dedicate	30 chr EAM for Jingo 5CRKXH INCZZLFVF4AFIE5S2JOPTTNL
27-08	2124	Dedicate	30 chr EAM 4XD6XD E6KKVTOK436DD2DGFVYRWVX7
28-08	1001	Dungaree	30 chr EAM for Dweller 5CMVG7 LB3K6URJJRBSYXZ2VCS4KZIW
28-08	1020	Dungaree	30 chr EAM for Dweller 5CKPZK 2G2SB5BEHX3MQW74E43VXI7T
28-08	1034	Dungaree	30 chr EAM for Dweller 5C2KYY YHBWB5XHQTLOBUMCCERD7GB
28-08	1626	Dungaree	30 chr EAM 4XOFGQ ZT3HLTTDTWWVHGRLGQTVB6A7
28-08	1700	Dungaree	30 chr EAM 4XOFGQ ZT3HLTTDEWYVHGRLGQTVB6A7

28-08	1702	Dungaree	30 chr EAM 4XJDAF IORRU2QSBXQWCLN3F23ZX5YV
28-08	1706	Dungaree	30 chr EAM 4X6R3Y ZSTGC2PDJIEQHKKFSS4LXCVY
28-08	1714	Dungaree	30 chr EAM 5CNXPV LYXNEUHS2X6HGIIUAQ6AKQS
28-08	1720	Dungaree	30 chr EAM 4XNPBL XPOGWS2W6JFGKVYC4K46PJBL
28-08	1724	Dungaree	30 chr EAM 4XR2EF JLOTQWJX5CP7FI65YHRBCF37
28-08	1729	Dungaree	30 chr EAM 4XOAIU EB7SMKPOHGWIMWZVKONXPK3G
28-08	1801	Dungaree	30 chr EAM for King Mackerel 5CBLW4 MLDZNLTSR6M7J6MR5PHD6TP6
28-08	1824	Dungaree	54 chr EAM 5CDUED RIIEBH67C5SH3EZ7ELWQI64G7QGYJ4JLAQPR7QGTJYY7SJQD
28-08	2002	Dungaree	30 chr EAM 4XXEXJ 7XRKEPGTQXF7SYG72IUTCNGP
28-08	2146	Dungaree	30 chr EAM 4XFF3J RHDY4RDWWGWJIHQ3D4PMGEWV
28-08	2330	Dungaree	37 chr EAM 5CA22T 76NXCCIM5FXG74WKQSSYENOF3N3HUL2
29-08	2016	Meat Hook	30 chr EAM 4XLIRR LSD2P3Z2DWWDMUWLBQ4DFTOG
30-08	1735	Appraisal	30 chr EAM 4X7GF7 Y3G3BYR7WFK4Y6EGLEQTRB6A
30-08	2116	Appraisal	30 chr EAM 4XT727 S2WSUGIJQG4JIBWIHB7PJZ34
30-08	2119	Appraisal	30 chr EAM 4XF5IX 6IXNPD3YYLCBRETML6EXSK23
30-08	2131	Appraisal	30 chr EAM 4XWLHW I4ERMGF44DR6CXMABBCGIL6J
30-08	2133	Appraisal	30 chr EAM 4XT727 S2WSUGIJQG4JIBWIHB7PJZ34
31-08	0034	Bearly Boy	30 chr EAM 4XB6LK A6RRVSP2G2IHMYGLFABI7ZAD
30-08	1647	Bearly Boy	30 chr EAM 4XNTJ3 CRXZK6V6U360ND4PM2TXK2S
30-08	1703	Bearly Boy	30 chr EAM 4XJWIA K3LNV6ZWQPLJ7572LC75STBH
30-08	1933	Bearly Boy	30 chr EAM 4XLNV6 A6GGH73HXCAFXDXU6UI3ZYP

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AB, Gwr, JPL, JU and F5JBR

Strategic messages

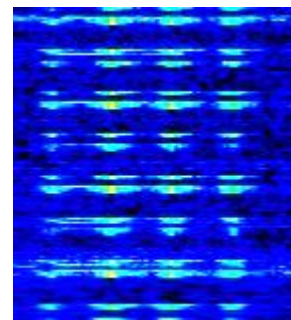
5416 kHz, 12-08, 1335 UTC	XXX XXX ONG4 ONG4 33639 MARSOBROM 7172 0318 K
5416 kHz, 12-08, 1412 UTC	XXX XXX ONG4 ONG4 96694 AFONIYa 6699 4350 BYTOPISANIE 4510 4921 K
5416 kHz, 12-08, 1414 UTC	XXX XXX ONG4 ONG4 74163 MILYaGA 8458 1195 K
5416 kHz, 12-08, 1525 UTC	XXX XXX ONG4 ONG4 91591 ANUSOROST 1004 2222 K
5360 kHz, 13-08, 1036 UTC	XXX XXX VZFY VZFY 05102 SAKLONENIE 8292 2200 K (Squeaky Wheel cw channel, voice was at same time as Pip. Repeat keyed as "TAKLONENIE")
5292 kHz, 13-08, 1101 UTC	XXX XXX WEGI WEGI 08083 RASTERZAN'E 6195 4034 K //5437 kHz
5437 kHz, 13-08, 1101 UTC	XXX XXX WEGI WEGI 08083 RASTERZAN'E 6195 4034 K //5292 kHz
4887 kHz, 13-08, 1106 UTC	XXX XXX ANWF ANWF 16563 GREChANKA 2434 5573 K (Buzzer cw channel)
12593 kHz, 13-08, 1100 UTC	RDL: XXX XXX WEGI WEGI 08083 RASTERZANXE 6195 4034
11116 kHz, 13-08, 1115 UTC	RDL: XXX XXX WEGI WEGI 75337 08083 RASTERZANXE 6195 4034
11116 kHz, 13-08, 1117 UTC	XXX XXX RDL RDL 21735 58430 PROÖNYJ 5289 5328
14108 kHz, 13-08, 0900 UTC	XXX XXX WLHN WLHN 70433 50558 28251 28508 17106 NARDOChATO 5030 9354
6458 kHz, 14-08, 1011 UTC	XXX XXX RLO RLO FLASTIONYJ 01 1050 285 270 1256 K
4835 kHz, 07-08, 0734 UTC	REA4: XXX 1QRF 73654 LIKOSLOM 5275 3698 PRIÖITANXE 1531 0739 IZOBRAVENXE 9465 1510 K
5179 kHz, 08-08, 0555 UTC	XXX TV5L 70119 BOLXChENOGIJ 0192 7319 ANEIMIR 4642 1077 K
5179 kHz, 08-08, 0600 UTC	XXX TV5L 81621 INWERTIN 0282 8281 BOGAÖKA 7177 0551 DELIKATNYJ 0329 2814 WEÄLXQICA 5239 4730
5292 kHz, 17-08, 1246 UTC	XXX XXX WEGI WEGI 14199 USOWERH 6272 4805 K //5437 kHz
5437 kHz, 17-08, 1246 UTC	XXX XXX WEGI WEGI 14199 USOWERH 6272 4805 K //5292 kHz
4835 kHz, 17-08, 1248 UTC	XXX XXX 1ShchRF 1ShchRF 81012 USOWERH 6272 4805 K
4847 kHz, 17-08, 1255 UTC	XXX XXX IDGC IDGC 12719 PANOSNOWA 3058 8068 K
5922 kHz, 20-08, 1051 UTC	XXX XXX ATP8 ATP8 51966 LYaZGOMYuON 8576 1129 K
5069 kHz, 20-08, 1349 UTC	XXX XXX K7FShch K7FShch 4545 4545 K
4835 kHz, 20-08, 1407 UTC	XXX XXX 1ShchRF 1ShchRF 42525 PUHOZUB 4786 4242 K
4835 kHz, 21-08, 0857 UTC	XXX XXX 1ShchRF 1ShchRF 77779 STAZOYaENT 9463 7071 K
4835 kHz, 21-08, 0902 UTC	XXX XXX 1ShchRF 1ShchRF 83278 RAZBITYJ 3191 8762 SEDEJShIJ 4550 3190 K
4835 kHz, 21-08, 0918 UTC	XXX XXX MSK7 MSK7 74024 OBOZODAMJ 1413 0320 K
4835 kHz, 21-08, 0927 UTC	XXX XXX MSK7 MSK7 31112 MYaGKOTELYJ 2732 2661 K

4835 kHz, 21-08, 0933 UTC	XXX XXX MSK7 MSK7 55295 TWIN 2564 0472 K
4835 kHz, 21-08, 0936 UTC	XXX XXX MSK7 MSK7 16133 PREDWESHchNIE 0323 3649 K
4835 kHz, 21-08, 0938 UTC	XXX XXX MSK7 MSK7 73210 KIMWAL'NYJ 4111 4498 K
4835 kHz, 21-08, 0945 UTC	XXX XXX MSK7 MSK7 78855 KRUGORISK 8099 5239 K
4835 kHz, 21-08, 0945 UTC	XXX XXX MSK7 MSK7 52596 MOLOChES 5107 6426 K
5361 kHz, 21-08, 1410 UTC	VZFY LAPTA 5998 K cw - Squeaky Wheel cw channel
5361 kHz, 21-08, 1446 UTC	VZFY GRUDA 5105 K cw - Squeaky Wheel cw channel
4835 kHz, 25-08, 0926 UTC	XXX XXX MSK7 MSK7 31668 OBOZODAMP 1413 0320 K
4835 kHz, 25-08, 0945 UTC	XXX XXX MSK7 MSK7 42771 KIMWAL'NYJ 4932 9092 K
4835 kHz, 25-08, 0948 UTC	XXX XXX MSK7 MSK7 70766 KRUGORISK 8099 5239 K
4835 kHz, 25-08, 0950 UTC	XXX XXX MSK7 MSK7 39004 SBEGANIE 9173 7686 RANGOSTAZ 2136 4801 STOKOTON 0719 3733 SPINOTOK 4932 9092 K
4835 kHz, 25-08, 0955 UTC	XXX XXX 1ShchRF 1ShchRF 77254 LEKAL'ShchIK 8090 1433 K
13396 kHz, 27-08 1006 UTC	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K
13868 kHz, 27-08 1006 UTC	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K
14108 kHz, 27-08 1006 UTC	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K
14552 kHz, 27-08 1006 UTC	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K
4835 kHz, 27-08 1009 UTC	XXX XXX 1ShchRF 1ShchRF 53969 PRUDOBARS 9480 4004 K
4835 kHz, 27-08 1100 UTC	XXX XXX 1ShchRF 1ShchRF 21037 SKOPOBAKS 8877 3546 K
5016 kHz, 27-08 1407 UTC	XXX XXX RGT77 RGT77 74234 TRANZhIR 1069 3927 K
4982 kHz, 27-08 1407 UTC	XXX XXX RGT77 RGT77 74234 TRANZhIR 1069 3927 K

Monolith stations Southern District

Channel markers

5448 kHz, 21-08, 1556 UTC	S30: Russian military. Pip marker
5474 kHz, 21-08, 1556 UTC	S32: Russian military. Squeaky Wheel marker
4625 kHz, 21-08, 1554 UTC	S28: Russian military. Buzzer marker
5292 kHz, 21-08, 1556 UTC	Russian military. Marker. Probably broken. Sounds odd *)
4182 kHz, 21-08, 1554 UTC	Russian military. Dash marker
3510 kHz, 21-08, 1554 UTC	Russian military. Air Horn marker
4310 kHz, 21-08, 1554 UTC	Russian military. Goose marker
4770 kHz, 21-08, 1554 UTC	Russian military. Alarm marker (picture richt)
4651 kHz, 29-08, 0900 UTC	Marker S (R2)



*) <https://priyom.org/media/250139/dmarker-5292usb-20200821-1405z-broken-changed-marker-bygwraspe.ogg>

Thanks to Gwraspe we have many logs of the Southern Military District network. The Southern District stations include S30 (Pip), S32 (Squeaky Wheel), N'ZhJ, ONG4 (morse), and some other stations.

Note that N'ZhJ isn't the callsign of the station but a collective callsign used to send messages to its outstations. Their old collective callsign is Vega-33.

S30 usually starts the sequence by sending a message to collective callsign 8S1Shch, followed by S32 to collective callsign Al'fa-45, then "Vega" to collective callsign N'ZhJ. Sometimes the messages are also repeated by morse stations.

Examples:

5448 kHz, 14-08, 1512 UTC, S30	8S1Shch BYTOSTIH 6759
5473 kHz, 14-08, 1518 UTC, S32	Al'fa-45 BYTOSTIH 6759
5372 kHz, 14-08, 1537 UTC	N'ZhJ BYTOSTIH 6759
5448 kHz, 14-08, 1504 UTC, S30	8S1Shch UTIHANIYe 1839
5473 kHz, 14-08, 1509 UTC, S32	Al'fa-45 UTIHANIYe 1839
5360 kHz, 14-08, 1510 UTC, M32	ZhZFY UTIHANIYe 1839

Note from Gwr re his logs from August 12th

I've had Vega on 4881 which is a Baron-78 frequency, same for 4940 though I missed most of the TX. Pip has a training freq of 6981 USB we were previously unaware of too. I also found ONG4 summer frequency of 5416 CW.

Note from Gwr re his logs from August 13th

13-08: Vega-33 went back to its original freq 5372 kHz after experimenting with Baron-78 freqs yesterday.

Only Pip and Vega-33 get involved with these "WORD + 3-digits messages", Squeaky Wheel and ONG4 don't act on them.

Note from Gwr re his logs from August 17th

The WEGI message was also repeated by RDL as UUUUU XXX XXX WEGI WEGI 49976 14199 USOWERH 6272 4805, this message started off the cascade of messages below seemingly confirming a hunch that buzzer/pip/etc. get their message info and go-ahead from WEGI.

Note from Gwr re the long S30 message on August 19th

From the S30 hub. Plenty more of these occurred today, all from Zvuk-28 to various recipients.

<https://priyom.org/media/250044/s30-6913usb-20200819-1150z-2radiograms-bygwraste.ogg>

Recordings:

<https://priyom.org/media/249854/5736usb-20200814-141851z-msg-recovered.ogg>

<https://priyom.org/media/249834/omega10-5736usb-20200814-1425z-pip-rpt-bygwraste.ogg>

<https://priyom.org/media/249929/idgc-4847cw-20200817-1256z-ukr-bygwraste.ogg>

<https://priyom.org/media/249954/sandal20-6822usb-20200817-1434z-msg-bygwraste.ogg>

<https://priyom.org/media/249957/tora80-6822usb-20200817-1439z-vozduh-bygwraste.ogg>

<https://priyom.org/media/249960/cukat80-6822usb-20200817-1444z-vozduh-bygwraste.ogg>

<https://priyom.org/media/249963/katok65-6822usb-20200817-1450z-vozduh-bygwraste.ogg>

<https://priyom.org/media/249974/s30-6913usb-20200817-1505z-radiogram-bygwraste.ogg>

Freq	Date	UTC	Code	Details
5448	3-8	1102	S30	8S1Shch SBYTOSYeV 212. No follow up message from S32, only Vega.
5448	3-8	1103	S30	8S1Shch EhROSOSKIP 263. No follow up message from S32, only Vega.
5448	3-8	1107	S30	8S1Shch ChYeSTNOST' 251. No follow up message from S32, only Vega.
5372	3-8	1131	---	N'ZhJ SBYTOSYeV 212. No prior message from Squeaky Wheel, only S30.
5372	3-8	1132	---	N'ZhJ EhROSOSKIP 263. No prior message from Squeaky Wheel, only S30.
5372	3-8	1133	---	N'ZhJ ChYeSTNOST' 251. No prior message from Squeaky Wheel, only S30.
5448	3-8	1243	S30	8S1Shch 07257 BANKOMORZh 1183 9574
5473	3-8	1248	S32	Al'fa-45 65087 DOYaROShTOF 5308 8190
5448	3-8	1257	S30	5J7Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye F61N 37CN MUDR 7VNSHch
5372	3-8	1304	---	N'ZhJ 13720 VYRYeZKA 5651 0955
5448	6-8	1144	S30	8S1Shch 48092 LAMPA 0156 6435
5473	6-8	1148	S32	Al'fa-45 82413 ZALYeTNYJ 9347 8545
5372	6-8	1202	---	N'ZhJ 02011 KLIKOSYeKS 0754 3707
5448	6-8	1603	S30	L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCYe (Same callsign pools and order as May 5th)
5473	7-8	1357	S32	Dubler-68 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Alyeut-09 Landysh-74 Ruzh'e-26 Nevka-26
5448	10-8	1253	S30	TUZR 5J7Shch 81857 SPADOTAL 5670 6970 no follow up message from rest of network
5448	10-8	1256	S30	8S1Shch 95330 KYERNOTRAL 3104 7598
5473	10-8	1304	S32	Al'fa-45 02162 MEhTROLAZ 5365 1664
5372	10-8	1315	---	N'ZhJ 16426 BLAGODYeYaNIYe 2387 6655
5473	10-8	1440	S32	Dubler-68 Penza-07 Leggina-38 Firna-85 Sliva-94 Alyeut-09 Storozh-62 Nevka-26
5448	12-8	1321	S30	8S1Shch 94941 LIFODAR 7877 7407
5473	12-8	1325	S32	Al'fa-45 92976 KUMOSHpon 1859 1623
5416	12-8	1335	M32	XXX XXX ONG4 ONG4 33639 MARSOBROM 7172 0318 K
5448	12-8	1337	S30	8S1Shch 34272 GAZOFAZA 3645 9603
5473	12-8	1339	S32	Al'fa-45 61434 OBLACHNOST' 9487 2386
5448	12-8	1348	S30	8S1Shch 34850 BYeSKORMICA 8721 3432 (1437z and 1438z monoliths both for same recipient: 34850)
4881	12-8	1354	---	N'ZhJ 12533 DRUGOGAM 9026 9064 (Vega has changed freq from 5372 kHz)
5448	12-8	1355	S30	DMC3 4RVZ 25991 ShAMUR 2312 1500
4881	12-8	1356	---	N'ZhJ 02886 GLAGOTUDA 8624 5723
5448	12-8	1358	S30	8S1Shch 68774 TUROVYJ 3349 1572
5448	12-8	1402	S30	8S1Shch 01268 HAHON 1700 1344
5473	12-8	1402	S32	Al'fa-45 14297 MASHYeROChKA 8497 7768
5473	12-8	1404	S32	Al'fa-45 31252 ZhILIShchYe 8286 2177
5416	12-8	1412	M32	XXX XXX ONG4 ONG4 96694 AFONiYa 6699 4350 BYTOPIsANIE 4510 4921 K

5416	12-8	1414	M32	XXX XXX ONG4 ONG4 74163 MILYaGA 8458 1195 K
5473	12-8	1434	S32	Al'fa-45 15352 NYePRILICHNYJ 0235 6395(transmitted before corresponding S30 msg, rare)
5448	12-8	1437	S30	8S1Shch 34850 MUHOLYeT 6277 3007 (1437z and 1438z monolits both for same recipient: 34850)
5473	12-8	1442	S32	Al'fa-45 38433 KRYeSTNICA 6229 5811
6981	12-8	1445	S30	8S1Shch 24832 DANGUN' 6153 7854
5448	12-8	1450	S30	8S1Shch 67981 BYeSKORMICA 8721 3432
5473	12-8	1452	S32	Al'fa-45 59912 MEhTROSVAT 7883 7877
6981	12-8	1453	S30	8MUO TUZR 00472 KRYeMOSOL 1109 8937 (discrepancies in reading, mixes up TUZR callsign as part of the message)
6981	12-8	1457	S30	8S1Shch 07460 VATOVYJ 1400 1525
5448	12-8	1503	S30	8S1Shch YaLOHOR 209
5448	12-8	1504	S30	8S1Shch ChYeSTNOST' 251
5448	12-8	1505	S30	8S1Shch SBYTOSYeV 212
5416	12-8	1525	M32	XXX XXX ONG4 ONG4 91591 ANUSOROST 1004 2222 K
5448	13-8	1034	S30	8S1Shch 37293 MOLOKOT 2932 1557
5360	13-8	1036	M32	XXX XXX VZFY VZFY 05102 SAKLONENIE 8292 2200 K Squeaky Wheel cw channel, voice was at same time as Pip. Repeat keyed as "TAKLONENIE"
5372	13-8	1053	---	N'ZhJ 19127 KRuzhYeNIYe 9707 1179 5 digit header group only 1 digit different to next Vega vozduh
4887	13-8	1106	M32	XXX XXX ANWF ANWF 16563 GREChANKA 2434 5573 K. Buzzer cw channel
5448	13-8	1109	S30	8S1Shch 79935 MAJNOSYeUL 3154 6695
5372	13-8	1126	---	N'ZhJ 18127 VEhNDOBEhR 7269 0689 5 digit header group only 1 digit different to previous Vega vozduh
5448	13-8	1335	S30	8S1Shch SBYTOSYeV 212
5448	13-8	1336	S30	8S1Shch ChYeSTNOST' 251
5372	13-8	1355	---	N'ZhJ SBYTOSYeV 212
5372	13-8	1356	---	N'ZhJ ChYeSTNOST' 251
5448	13-8	1411	S30	8S1Shch 55219 DYeRYeVYeNShchINA 2241 1787
5473	13-8	1418	S32	Al'fa-45 27505 OBLADAN'Ye 4562 6658
5372	13-8	1427	---	N'ZhJ 55051 NORGIYe 9707 4573
5473	13-8	1435	S32	Penza-07 Yahta-94 Firna-85 Shuler-60 Utes-94 Fontan-34 Alyeut-09 Ruzh'e-26 Nevka-26 Kurgan-40
5448	14-8	1414	S30	8S1Shch SBYTOSYeV 212 ChYeSTNOST' 251
5736	14-8	1417	---	Repeat of pip message by callsign Omega-10: Verno-85 ya Omega-10 prinyal signal 8S1Shch SYBTOSYeV 212 ChYeSTNOST' 251 vremya 1717 priyom
5448	14-8	1418	S30	8S1Shch MUSONNYJ 4061
5736	14-8	1424	---	Repeat of pip message by callsign Omega-10: 8S1Shch MUSONNYJ 4061
5473	14-8	1431	S32	Al'fa-45 MUSONNYJ 4061
5372	14-8	1446	---	N'ZhJ SBYTOSYeV 212 ChYeSTNOST' 251
5736	14-8	1456	---	Omega-10 was also sending Z codes. Verno-85 ya Omega-10 primite kommandu ZGT ZJZh ZID
5448	14-8	1504	S30	8S1Shch UTIHANIYe 1839
5473	14-8	1509	S32	Al'fa-45 UTIHANIYe 1839
5360	14-8	1510	M32	ZhZFY UTIHANIYe 1839
5448	14-8	1512	S30	8S1Shch BYTOSTIH 6759
5473	14-8	1518	S32	Al'fa-45 BYTOSTIH 6759
5372	14-8	1537	---	N'ZhJ BYTOSTIH 6759
4625	17-8	1252	S28	VZhCH 69445 AZOTOSAD 1560 8868
5448	17-8	1252	S30	8S1Shch 65853 KOLLIZIYa 0154 6779
4847	17-8	1255	M32	XXX XXX IDGC IDGC 12719 PANOSNOWA 3058 8068 K
5372	17-8	1312	---	N'ZhJ 10920 KYZYL 7453 8345
5473	17-8	1358	S32	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh'-74 Storozh-62 Nevka-26
6822	17-8	1434	---	Vozduh Sandal-20 03508 KAZANSKIJ 5688 6092
6822	17-8	1439	---	Vozduh Tora-80 37976 CILINDROVYJ 3531 3027
6822	17-8	1444	---	Vozduh Cukat'-80 98546 GIDROFURAN 4501 7007
6822	17-8	1450	---	Vozduh Katok-65 16334 PROTYeST 2091 0072

6913	17-8	1505	S30	Radiogram i.p. 74819 95006 13333 17025 = 640 28 17 17 55 640 = 625 = 03820 93858 81655 48969 48426 72718 33124 67775 92649 04767 16955 65755 63755 49828 76631 94394 74506 01711 03373 21004 47397 55695 92011 91137 64227 66971 17026
5448	17-8	1524	S30	8S1Shch SBYTOSYeV 212
5448	17-8	1525	S30	8S1Shch ChYeSTNOST' 251
5448	17-8	1526	S30	8S1Shch ShchITONARY 260
6913	19-8	1150	S30	Zapad-55 ya Zvuk-28 primite 2 radiogramma 902 22 19 14 40 902 = 321 = DDDDD ZODAO KSNRK ZhYZhLY YSLLCh ZhYZhLY YSLLCh ZhYZhLY YSLLCh YaLVBB OChIPA UBYeAV KIYOV ChUKShchYa YYSSB YeMTCC PPYuBG HLChYuF NKUChA YHRGP YaOPVP = 241 23 19 14 45 241 = 321 = 14820 77014 51144 86821 23013 44129 46420 65200 37004 14247 49001 08913 06918 90996 01169 14453 57651 46527 57294 90514 49223 19021 Priyom
5448	19-8	1419	S30	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS'
5473	19-8	1447	S32	Dubler-68 Yahta-94 Pesochnyj-21 Shuler-60 Utes-94 Alyeut-09 Fakyel-36 Storozh-62
5372	19-8	1552	---	N'ZhJ ChYestNOST' 251 SBYTOSYeV 212
5781	20-8	1040	M01a	345 345 345 94417 94417
5448	20-8	1045	S30	8S1Shch 52058 LYuCYeRN 1180 3122
5473	20-8	1048	S32	Al'fa-45 05450 MILITARIZM 0832 1793
5372	20-8	1104	---	N'ZhJ 27440 IGROVOJ 9684 1203
5448	20-8	1422	S30	Y8VM 6I2Zh 8CSchJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI
5448	21-8	0859	S30	8S1Shch ChYeSTNOST' 151
5448	21-8	1111	S30	F61N 37CN MUDR 7VNSch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG
5473	21-8	1409	S32	Al'fa-45 LAPTA 5998 (Uzor message given independent of network. No S30 beforehand)
5361	21-8	1410	M32	VZFY LAPTA 5998 K cw - Squeaky Wheel cw channel
5448	21-8	1416	S30	8S1Shch SBYTOSYeV 212
5448	21-8	1417	S30	8S1Shch ChYeSTNOST' 251
5448	21-8	1418	S30	8S1Shch YaLOHOR 209
5473	21-8	1445	S32	Al'fa-45 GRUDA 5105 (Uzor message given independent of network. No S30 beforehand)
5361	21-8	1446	M32	VZFY GRUDA 5105 K cw - Squeaky Wheel cw channel
5473	26-8	1340	S32	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26
5448	26-8	1426	S30	8S1Shch SBYTOSYeV 212 ChYeSTNOST' 251
5617	26-8	1430	RAv	Flight 08227 to Medyanka = 527 590 513 766 282 534
5448	26-8	1441	S30	8S1Shch SBYTOSYeV 112
5448	26-8	1442	S30	8S1Shch YaLOHOR 109
5372	26-8	1446	---	N'ZhJ SBYTOSYeV 212 ChYeSTNOST' 251
5372	26-8	1559	---	N'ZhJ SBYTOSYeV 112 YaLOHOR 109
5448	27-8	1011	S30	8S1Shch 61926 ZOLOTYe 3340 3909
4625	27-8	1013	S28	error in first reading ANVF 16551 ZOO - sboj - 16551 ZOOTYeHNIKA 8326 9314
5473	27-8	1015	S32	Al'fa-45 90660 VIZGOLYeT 0333 1740
5448	28-8	1402	S30	8S1Shch ShchITNONARY 260
4940	28-8	1408	---	Baron-78 ShchITNONARY 260
5473	28-8	1416	S32	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26
5372	28-8	1418	---	N'ZhJ ShchITNONARY 260
5448	28-8	1453	S30	3VS' DKJ1 ZhD9V 42BR 81BR M7KS PMV5 L'GJ KZI' TShchShchS

S28 Buzzer – Western District

4625 kHz, 17-08, 1252 UTC

VZhCh 69445 AZOTOSAD 1560 8868

4625 kHz, 21-08, 1720 UTC

'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YeiYY
69536 32000 24664 75363 81077 90617 42765 89276 80984 65798 07393 98234 13379 16021 27767 66461 68580
GNETOTOR 7321 8673 Priyom

4625 kHz, 22-08, 1305 UTC

'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 2GETS 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YEIYY
 16532 60735 53207 40835 15923 30347 55255 04470 85804 11939 04194 66007 50830 05109 40791 41063 24537
 IKROMET 6277 1881 Priyom

4625 kHz, 22-08, 1506 UTC

'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 2GETS 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YEIYY
 34532 25876 72427 86875 61023 84399 70719 31228 14904 00193 04311 15069 05852 38785 39223 85666 01562
 GUL'BISHCHE 1569 4842 Priyom

Russian military voice transmissions

RMv – Russian Military

4024 kHz, 08-08, 0611 UTC

ZAOT-85 clg BARJOM-63 KOMIR-94 CARTON-39 RAZMAK-58 ABROK-51 TOPAL-61 LIKOR-68 BAJIM-67

RAv – Russian Air Force

Long Range Aviation voice traffic

5617 kHz, 06-08, 1150 UTC 94154 to Medyanka. Razdel 354 911 949 384 671 294
 5617 kHz, 06-08, 1500 UTC 08222 to Medyanka. Znak razdela 351 686 819 160 177 301
 5617 kHz, 06-08, 1520 UTC 20851 to Ochistka. Znak razdela 460 977 762 203
 5617 kHz, 06-08, 1540 UTC 08222 to Ochistka. Znak razdela 546 113 819 209 762 674
 5617 kHz, 07-08, 1205 UTC 74730 for Medyanka. Znak razdela 856 335 195
 5617 kHz, 07-08, 1230 UTC 74730 for Medyanka. Znak razdela 272 623 186 673 540
 5617 kHz, 07-08, 1250 UTC 08222 to Medyanka. Znak razdela 162 111 690 400 386 716
 5617 kHz, 07-08, 1315 UTC 08222 to Medyanka. Znak razdela 158 111 007 778 715
 5617 kHz, 07-08, 1350 UTC 08222 to Medyanka. Znak razdela 834 253 254 484 503 397
 5617 kHz, 20-08, 1305 UTC 95712 to Medyanka 472 975 410 835 227 239
 5635 kHz, 21-08, 1155 UTC 74736 to Duga - Znak razdela (=) 948 022 228 458 115
 Ground on 5617 kHz with both flight and ground on 5635 kHz. Duga callsign not heard before.
 TDoA points to Ryazan
 5617 kHz, 26-08, 1430 UTC 08227 to Medyanka = 527 590 513 766 282 534

Recordings

<https://priyom.org/media/249503/medyanka-5617usb-20200806-1310z-for94154-bygwraspe.ogg>

<https://priyom.org/media/249508/ochitska-5617usb-20200806-1540z-for80222-bygwraspe.ogg>

Russian military morse transmissions

M32 - Russian / CIS Military CW Stations

6458 kHz, 14-08, 1005 UTC, i.p.

40000 00001 01218
 40010 00002 01218
 40011 00005 01218
 60016 00006 01218
 60015 00102 01218
 40011 00001 01824
 30009 00002 01824
 40010 00005 01824
 50015 00006 01824
 50014 00102 01824
 40009 AR

4317.5 kHz, 21-08, 1536 UTC, i.p.

72219 48524 23185 21161 82180 1823 K

RPT 72219 48524 23185 21161 82180 1823 ChDK7 K

VVV VVV VVV VVV VVV

M32a - Russian Navy

5948 kHz, 14-08, 1000 UTC, i.p.

RBL75 DE RAL2 QRJ? K

RBL75 QRJ3 QRJ? K

10425 kHz, 18-08, 0902 UTC, i.p.

RGH2 DE RAL2 K

RAL2 DE RGH2 QSA 4 K

QSA 4 QRU VA

QRU VA

RHQ2 DE RAL2 K

QSA 4 QRU VA

QRU VA

RBL66 DE RAL2 K

RAL2 DE RBL66 ..

QSA 3 QRU SK

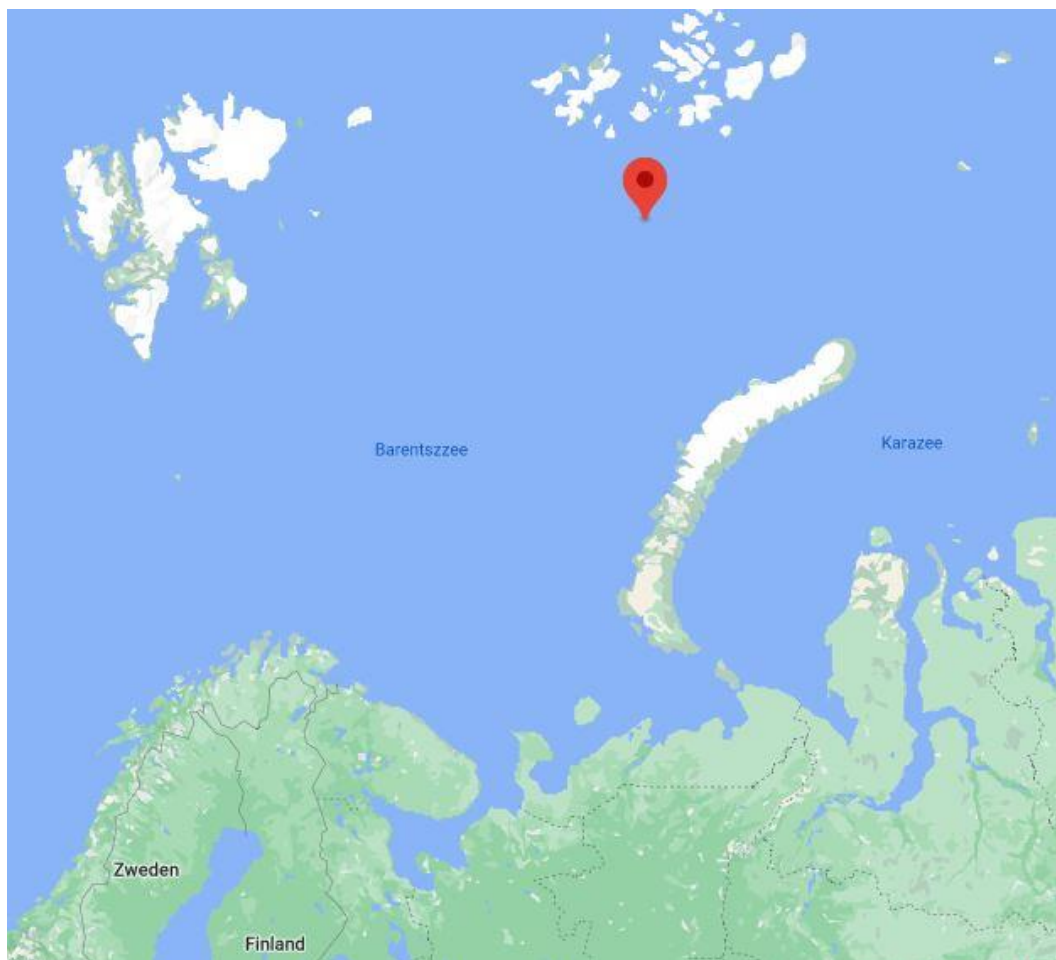
QRU VA

8345 kHz, 23-08, 0620 UTC. RJP99 wkg RIT.

QTC 533 15 23 0911 533 = FOR RJH74 RJH45 =

23061 99788 10536 41/97 71616 10057 40011 58029 71042 22283 00049 20404 23012 = AR RJP99 K

Location: <https://goo.gl/maps/MogB17yAFFN3wmZY7>



LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	4735	1-8	0700	Sat	VVVVV PROMRO 01 08 = 1000 0490 0310 0660 1100 ... 0800 0450 0280 0590 0960 = AR	CW	(AB-ROU)
---	7055	1-8	1805	Sat	Russian-Ukrainian radio war. Anti Russia loop transmission	LSB	(AB)
---	4735	3-8	0700	Mon	Hand sent VVVVV PROMRO = 03 08 = 1000 0490 0310 0660 1090 ... 0800 0450 0280 0590 0960 = AR	CW	(AB-ROU)
---	5372	3-8	1131	Mon	N'Zhj SBYTOSYeV 212. No prior message from Squeaky Wheel, only S30.	USB	(Gwr)
---	5372	3-8	1132	Mon	N'Zhj EhROSOSKIP 263. No prior message from Squeaky Wheel, only S30.	USB	(Gwr)
---	5372	3-8	1133	Mon	N'Zhj ChYeSTNOST' 251. No prior message from Squeaky Wheel, only S30.	USB	(Gwr)
---	5372	3-8	1304	Mon	N'Zhj 13720 VYRYeZKA 5651 0955	USB	(Gwr)
---	7055	4-8	1633	Tue	Russian-Ukrainian war. Various stations on top of each other. Anti Russia transmission	LSB	(AB)
---	5372	6-8	1202	Thu	N'Zhj 02011 KLIKOSYeKS 0754 3707	USB	(Gwr)
---	4735	7-8	0700	Fri	VVV VVV PROMRO = 07 08 = 1000 0500 0310 0660 1090 ... 0800 0460 0270 0600 0950 = AR	CW	(F5JBR)
---	4735	8-8	0700	Sat	VVVVV PROMRO = 08 08 = 1000 0510 0300 0660 1090 ... 0800 0460 0260 0600 0950 = AR	CW	(AB-HNG/F5JBR)
---	5372	10-8	1315	Mon	N'Zhj 16426 BLAGODYeYaNIYe 2387 6655	USB	(Gwr)
---	4735	11-8	0702	Tue	VVVVV PROMRO = 11 08 = 1000 0510 0300 0670 1080 ... 0800 0460 0260 0610 0950 = AR	CW	(AB-ROU)
---	4735	12-8	0700	Wed	VVV VVV PROMRO = 12 08 = 1000 0520 0300 0670 1080 ... 0800 0470 0260 0610 0940 = AR	CW	(AB-ROU)
---	4881	12-8	1354	Wed	N'Zhj 12533 DRUGOGAM 9026 9064 (Vega has changed freq from 5372 kHz)	USB	(Gwr)
---	4881	12-8	1356	Wed	N'Zhj 02886 GLAGOTUDA 8624 5723	USB	(Gwr)
---	7055	13-8	0554	Thu	Russian-Ukrainian radio war. Chanting and parts of radio programs. Loop transmission	LSB	(AB)
---	4735	13-8	0700	Thu	VVVVVVVVVV PROMRO = 13 08 = 1000 0520 0300 0580 1080 ... 0800 0470 0260 0610 0940 = AR	CW	(AB-ROU)
---	5372	13-8	1053	Thu	N'Zhj 19127 KRZHyeNIYe 9707 1179 5 digit header group only 1 digit different to next Vega vozduh	USB	(Gwr)
---	5372	13-8	1126	Thu	N'Zhj 18127 VEhNDOBEhR 7269 0689 5 digit header group only 1 digit different to previous Vega vozduh	USB	(Gwr)
---	5372	13-8	1355	Thu	N'Zhj SBYTOSYeV 212	USB	(Gwr)
---	5372	13-8	1356	Thu	N'Zhj ChYeSTNOST' 251	USB	(Gwr)
---	5372	13-8	1427	Thu	N'Zhj 55051 NORGILYe 9707 4573	USB	(Gwr)
---	4735	14-8	0700	Fri	VVVVV PROMRO = 14 18 = 1000 0520 0300 0680 1080 ... 0800 0470 0260 0610 0940 = AR	CW	(AB-ROU)
---	5736	14-8	1417	Fri	Repeat of pip message by callsign Omega-10: Verno-85 ya Omega-10 prinyal signal 8S1Shch SYBTOSYeV 212 ChYeSTNOST' 251 vremya 1717 priyom	USB	(Gwr)
---	5736	14-8	1424	Fri	Repeat of pip message by callsign Omega-10: 8S1Shch MUSONNYJ 4061	USB	(Gwr)
---	5372	14-8	1446	Fri	N'Zhj SBYTOSYeV 212 ChYeSTNOST' 251	USB	(Gwr)
---	5736	14-8	1456	Fri	Omega-10 was also sending Z codes. Verno-85 ya Omega-10 primite kommandu ZGT ZIZh ZID	USB	(Gwr)
---	5372	14-8	1537	Fri	N'Zhj BYTOSTIH 6759	USB	(Gwr)
---	4735	16-8	0700	Sun	VVVVV PROMRO = 16 08 = 1000 0530 0310 0690 1080 ... 0800 0470 0270 0620 0930 = AR	CW	(AB-HNG/F5JBR)
---	4735	17-8	0700	Mon	VVVVVVVVVV PROMRO = 17 08 = 1000 0530 0300 0690 1080 ... 0800 0470 0260 0610 0930 = AR	CW	(AB-ROU)
---	5372	17-8	1312	Mon	N'Zhj 10920 KYZYL 7453 8345	USB	(Gwr)
---	6822	17-8	1434	Mon	Vozduh Sandal-20 03508 KAZANSKIY 5688 6092	USB	(Gwr)
---	6822	17-8	1439	Mon	Vozduh Tora-80 37976 CILINDROVYJ 3531 3027	USB	(Gwr)
---	6822	17-8	1444	Mon	Vozduh Cukat'-80 98546 GIDROFURAN 4501 7007	USB	(Gwr)
---	6822	17-8	1450	Mon	Vozduh Katok-65 16334 PROTYeST 2091 0072	USB	(Gwr)
---	4735	18-8	0702	Tue	VVVVV PROMRO = 18 08 = 1000 0530 0300 0690 1070 ... 0800 0470 0260 0500 0930 = AR	CW	(AB-ROU)
---	4735	19-8	0705	Wed	Late start VVVVV PROMRO = 19 08 = 1000 0540 0310 0700 1070 ... 0800 0480 0270 0620 0930 = AR	CW	(AB-ROU)
---	5372	19-8	1552	Wed	N'Zhj ChYestNOST' 251 SBYTOSYeV 212	USB	(Gwr)

---	7055	19-8	1620	Wed	Russian-Ukrainian radio war. Anti Russia loop transmission	LSB	(AB)
---	4735	20-8	0700	Thu	VVVVV VVVVV PROMRO = 20 08 = 1000 0540 0300 0700 1070 ... 0800 0480 0260 0620 0930 = AR	CW	(AB-ROU)
---	5372	20-8	1104	Thu	N'ZhJ 27440 IGROVOJ 9684 1203	USB	(Gwr)
---	5163.5	20-8	1359	Thu	Belarusian station: Locman-94 12543 RINO 0470 //4982 kHz	USB	(Gwr)
---	4982	20-8	1359	Thu	Belarusian station: Locman-94 12543 RINO 0470 //5163.5 kHz	USB	(Gwr)
---	4735	21-8	0700	Fri	VVVVV PROMRO = 21 08 = 1000 0540 0300 0700 1070 ... 0800 0480 0250 0620 0930 = AR	CW	(AB-ROU)
---	5292	21-8	1405	Fri	D marker channel marker changed or broke	USB	(Gwr)
---	4310	21-8	1554	Fri	Russian military. Goose marker	USB	(AB)
---	4182	21-8	1554	Fri	Russian military. Dash marker	USB	(AB)
---	3510	21-8	1554	Fri	Russian military. Air Horn marker	USB	(AB)
---	4770	21-8	1554	Fri	Russian military. Alarm marker	USB	(AB)
---	5292	21-8	1556	Fri	Russian military. Marker. Probably broken. Sounds odd	USB	(AB)
---	4735	23-8	0700	Sun	VVVVV PROMRÍ = 23 08 = 1000 0540 0310 0700 1070 ... 0800 0480 0260 0620 0930 = AR	CW	(AB-HNG/F5JBR)
---	4735	24-8	0700	Mon	VVVVV PROMRO = 24 08 = 1000 0540 0310 0710 1070 ... 0800 0480 0260 0620 0920 = AR	CW	(AB-ROU)
---	4735	25-8	0702	Tue	VVVVV PROMRO = 25 08 = 1000 0540 0310 0710 1070 ... 0800 0480 0260 0620 0920 = AR	CW	(AB-ROU)
---	4735	26-8	0700	Wed	VVVVVV PROMRO = 26 08 = 1000 0540 0290 0700 1060 ... 0800 0470 0250 0620 0910 = AR	CW	(AB-HNG)
---	7055	26-8	1438	Wed	Russian-Ukrainian radio war. Anti Putin (Russia) and Lukashenko (Belarus) propaganda. Loop transmission	LSB	(AB)
---	5372	26-8	1446	Wed	N'ZhJ SBYTOSYeV 212 ChYeSTNOST' 251	USB	(Gwr)
---	5372	26-8	1559	Wed	N'ZhJ SBYTOSYeV 112 YaLOHOR 109	USB	(Gwr)
---	4735	28-8	0700	Fri	VVVVV PROMRO = 28 08 = 1000 0540 0290 0700 1060 ... 0800 0470 0250 0610 0910 = AR	CW	(AB-ROU)
---	4940	28-8	1408	Fri	Baron-78 ShchITNONARY 260	USB	(Gwr)
---	5372	28-8	1418	Fri	N'ZhJ ShchITNONARY 260	USB	(Gwr)
---	4735	29-8	0700	Sat	VVVVV PROMRO = 29 08 = 1000 0540 0290 0700 1060 ... 0800 0470 0250 0610 0910 = AR	CW	(AB-ROU)
---	4651	29-8	0900	Sat	Marker S (R2)	CW	(AB)
---	4735	30-8	0700	Sun	VVVV PROMRO = 30 08 = 1000 0540 0300 0700 1060 ... 0800 0470 0260 0610 0910 = AR	CW	(AB-HNG)
---	4735	31-8	0700	Mon	VVVVV PROMRO = 31 08 = 1000 0540 0300 0700 1060 ... 0800 0470 0260 0610 0910 = AR	CW	(AB-ROU)
DPRK	14418	14-8	1438	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13015	20-8	1200	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14965	20-8	1338	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	27-8	0801	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12206	27-8	0801	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12102	27-8	0841	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	13540	6-8	0500	Thu	210 937 51 10384 11883 77731 ... 01664 75810 05711 937 51 00000	USB	(AB-RUS)
E06	16115	6-8	0600	Thu	210 937 51 10384 11883 77731 ... 01664 75810 05711 937 51 00000	USB	(AB-RUS)
E06	5936	6-8	2030	Thu	724 127 37 51237 20384 21680 ... 99545 20247 88475 127 37 00000	USB	(AB)
E06	13540	7-8	0500	Fri	210 937 51 10384 11883 77731 ... 01664 75810 05711 937 51 00000	USB	(AB-RUS/HFD-RUS)
E06	16115	7-8	0600	Fri	210 937 51 10384 11883 77731 ... 01664 75810 05711 937 51 00000	USB	(AB-RUS/HFD-RUS)
E06	5727	7-8	2130	Fri	315 127 37 51237 20384 21680 ... 99545 20247 88475 127 37 00000	USB	(AB/GNI)
E06	13540	20-8	0500	Thu	210 867 53 80426 49846 82301 ... 70109 81871 01058 867 53 00000	USB	(AB)
E06	16115	20-8	0600	Thu	210 867 53 80426 49846 82301 ... 70109 81871 01058 867 53 00000	USB	(AB)
E06	13540	21-8	0500	Fri	210 867 53 80426 49846 82301 ... 70109 81871 01058 867 53 00000	USB	(AB)
E06	16115	21-8	0600	Fri	210 867 53 80426 49846 82301 ... 70109 81871 01058 867 53 00000	USB	(AB)
E06	5731	21-8	2130	Fri	315 431 41 66457 too weak to copy	USB	(AB)
E06	14648	27-8	0300	Thu	361 592 33 84350 ...	USB	(HFD-CHN)

E06	12084	27-8	0400	Thu	361 592 33 84350 ...	USB	(HFD-CHN)
E07	12176	1-8	1300	Sat	152 152 152 000	USB	(AB/HFD)
E07	11576	1-8	1320	Sat	152 152 152 000	USB	(AB/HFD)
E07	13519	1-8	1410	Sat	288 288 288 1 534 35 534 35 44868 23061 30812 ... 34432 16894 92107 000 000	USB	(AB/MPJ/HFD)
E07	14819	1-8	1430	Sat	288 288 288 1 534 35 534 35 44868 23061 30812 ... 34432 16894 92107 000 000	USB	(AB/MPJ/HFD)
E07	15919	1-8	1450	Sat	288 288 288 1 534 35 534 35 44868 23061 30812 ... 34432 16894 92107 000 000	USB	(AB/MPJ/HFD)
E07	9261	2-8	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	2-8	0620	Sun	224 224 224 000	USB	(AB)
E07	13397	2-8	1700	Sun	316 316 316 000	USB	(AB/MPJ/HFD)
E07	12197	2-8	1720	Sun	316 316 316 000	USB	(AB/MPJ/HFD)
E07	16147	3-8	1900	Mon	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB/RL/HFD)
E07	14647	3-8	1920	Mon	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB/RL/HFD)
E07	13447	3-8	1940	Mon	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB/Dan/RL/HFD)
E07	16246	4-8	0700	Tue	242 242 242 000	USB	(AB/HFD-KWT)
E07	18446	4-8	0720	Tue	242 242 242 000	USB	(AB/HFD-KWT)
E07	20146	4-8	1100	Tue	123 123 123 000	USB	(AB-RUS)
E07	18246	4-8	1120	Tue	123 123 123 000	USB	(AB-RUS)
E07	13397	5-8	1700	Wed	316 316 316 000	USB	(AB/MPJ)
E07	12197	5-8	1720	Wed	316 316 316 000	USB	(AB/MPJ)
E07	16147	5-8	1900	Wed	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB)
E07	14647	5-8	1920	Wed	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB/RL)
E07	13447	5-8	1940	Wed	164 164 164 1 340 59 340 59 00095 77943 44522 ... 86883 97201 92199 000 000	USB	(AB/RL)
E07	13519	6-8	1410	Thu	288 288 288 000	USB	(AB)
E07	14819	6-8	1430	Thu	288 288 288 000	USB	(AB)
E07	16246	7-8	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	7-8	0720	Fri	242 242 242 000	USB	(AB)
E07	20146	7-8	1100	Fri	123 123 123 000	USB	(AB-RUS/MPJ-RUS/HFD-RUS)
E07	18246	7-8	1120	Fri	123 123 123 000	USB	(AB-RUS/MPJ/HFD-RUS)
E07	12176	8-8	1300	Sat	152 152 152 000	USB	(AB/MPJ)
E07	11576	8-8	1320	Sat	152 152 152 000	USB	(AB/MPJ)
E07	13519	8-8	1410	Sat	288 288 288 000	USB	(AB)
E07	14819	8-8	1430	Sat	288 288 288 000	USB	(AB)
E07	9261	9-8	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	9-8	0620	Sun	224 224 224 000	USB	(AB)
E07	13397	9-8	1700	Sun	316 316 316 000	USB	(AB)
E07	12197	9-8	1720	Sun	316 316 316 000	USB	(AB)
E07	16147	10-8	1900	Mon	164 164 164 000	USB	(AB)
E07	14647	10-8	1920	Mon	164 164 164 000	USB	(AB)
E07	16246	11-8	0700	Tue	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	18446	11-8	0720	Tue	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	19246	11-8	0740	Tue	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	20146	11-8	1100	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-POL)
E07	18246	11-8	1120	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-POL)
E07	16346	11-8	1140	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-POL)

E07	13397	12-8	1700	Wed	316 316 316 000	USB	(AB/MPJ)
E07	12197	12-8	1720	Wed	316 316 316 000	USB	(AB/MPJ)
E07	16147	12-8	1900	Wed	164 164 164 000	USB	(AB/RL)
E07	14647	12-8	1920	Wed	164 164 164 000	USB	(AB/RL)
E07	13519	13-8	1410	Thu	288 288 288 000	USB	(AB/MPJ)
E07	14819	13-8	1430	Thu	288 288 288 000	USB	(AB/MPJ)
E07	16246	14-8	0700	Fri	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB)
E07	18446	14-8	0720	Fri	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	19246	14-8	0740	Fri	242 242 242 1 102 58 102 58 33979 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	20146	14-8	1100	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-HOL)
E07	18246	14-8	1120	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-HOL)
E07	16346	14-8	1140	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS/MPJ-HOL)
E07	12176	15-8	1300	Sat	152 152 152 000	USB	(AB/MPJ)
E07	11576	15-8	1320	Sat	152 152 152 000	USB	(AB/MPJ)
E07	13519	15-8	1410	Sat	288 288 288 000	USB	(AB/MPJ)
E07	14819	15-8	1430	Sat	288 288 288 000	USB	(AB/MPJ)
E07	9261	16-8	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	16-8	0620	Sun	224 224 224 000	USB	(AB)
E07	13397	16-8	1700	Sun	316 316 316 000	USB	(AB/AnEur)
E07	12197	16-8	1720	Sun	316 316 316 000	USB	(AB/AnEur)
E07	16147	17-8	1900	Mon	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL)
E07	14647	17-8	1920	Mon	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL)
E07	13447	17-8	1940	Mon	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL)
E07	16246	18-8	0700	Tue	242 242 242 000	USB	(AB)
E07	18446	18-8	0720	Tue	242 242 242 000	USB	(AB)
E07	20146	18-8	1100	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS)
E07	18246	18-8	1120	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS)
E07	16346	18-8	1140	Tue	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-RUS)
E07	13397	19-8	1700	Wed	316 316 316 000	USB	(AB)
E07	12197	19-8	1720	Wed	316 316 316 000	USB	(AB)
E07	16147	19-8	1900	Wed	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL)
E07	14647	19-8	1920	Wed	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL/Dan)
E07	13447	19-8	1940	Wed	164 164 164 1 460 115 460 115 35085 30365 74806 ... 15278 86138 34956 000 000	USB	(AB/RL)
E07	13519	20-8	1410	Thu	288 288 288 000	USB	(AB/MPJ)
E07	14819	20-8	1430	Thu	288 288 288 000	USB	(AB/MPJ)
E07	16246	21-8	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	21-8	0720	Fri	242 242 242 000	USB	(AB-KWT)
E07	20146	21-8	1100	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-POL)
E07	18246	21-8	1120	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-POL)
E07	16346	21-8	1140	Fri	123 123 123 1 603 98 603 98 15602 14029 13513 ... 59588 25845 10272 000 000	USB	(AB-POL)
E07	12176	22-8	1300	Sat	152 152 152 000	USB	(AB/MPJ)
E07	11576	22-8	1320	Sat	152 152 152 000	USB	(AB/MPJ)
E07	13519	22-8	1410	Sat	288 288 288 000	USB	(AB/MPJ)
E07	14819	22-8	1430	Sat	288 288 288 000	USB	(AB/MPJ)

E07	9261	23-8	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	23-8	0620	Sun	224 224 224 000	USB	(AB)
E07	13397	23-8	1700	Sun	316 316 316 000	USB	(AB)
E07	12197	23-8	1720	Sun	316 316 316 000	USB	(AB)
E07	16147	24-8	1900	Mon	164 164 164 000	USB	(AB/RL)
E07	14647	24-8	1920	Mon	164 164 164 000	USB	(AB/RL)
E07	16246	25-8	0700	Tue	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	18446	25-8	0720	Tue	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	19246	25-8	0740	Tue	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	20146	25-8	1100	Tue	123 123 123 000	USB	(AB-RUS/MPJ)
E07	18246	25-8	1120	Tue	123 123 123 000	USB	(AB/MPJ)
E07	13397	26-8	1700	Wed	316 316 316 000	USB	(AB)
E07	12197	26-8	1720	Wed	316 316 316 000	USB	(AB)
E07	16147	26-8	1900	Wed	164 164 164 000	USB	(AB/RL)
E07	14647	26-8	1920	Wed	164 164 164 000	USB	(AB)
E07	13519	27-8	1410	Thu	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB-KWT/MPJ)
E07	14819	27-8	1430	Thu	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB-KWT/MPJ)
E07	15919	27-8	1450	Thu	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB-KWT/MPJ)
E07	16246	28-8	0700	Fri	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB)
E07	18446	28-8	0720	Fri	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	19246	28-8	0740	Fri	242 242 242 1 102 58 102 58 33969 29164 41811 ... 31117 48439 51275 000 000	USB	(AB-KWT)
E07	20146	28-8	1100	Fri	123 123 123 000	USB	(AB-KWT)
E07	18246	28-8	1120	Fri	123 123 123 000	USB	(AB)
E07	12176	29-8	1300	Sat	152 152 152 000	USB	(AB/MPJ)
E07	11576	29-8	1320	Sat	152 152 152 000	USB	(AB/MPJ)
E07	13519	29-8	1410	Sat	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB)
E07	14819	29-8	1430	Sat	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB-KWT)
E07	15919	29-8	1450	Sat	288 288 288 1 7493 79 7493 79 52130 17913 99633 ... 65830 53228 84441 000 000	USB	(AB-KWT)
E07	9261	30-8	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	30-8	0620	Sun	224 224 224 000	USB	(AB)
E07	13397	30-8	1700	Sun	316 316 316 000	USB	(AB)
E07	12197	30-8	1720	Sun	316 316 316 000	USB	(AB)
E07	16147	31-8	1900	Mon	164 164 164 000	USB	(AB/RL)
E07	14647	31-8	1920	Mon	164 164 164 000	USB	(AB/RL)
E07a	12177	1-8	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	1-8	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	5-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	5-8	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7399	6-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	6-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	7-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	7-8	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	8-8	0800	Sat	148 148 148 000	USB	(AB/SP1)
E07a	13477	8-8	0820	Sat	148 148 148 000	USB	(AB/SP1)

E07a	12166	12-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	12-8	2020	Wed	172 172 172 000	USB	(AB/Dan/RL)
E07a	7399	13-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	13-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	14-8	1510	Fri	241 241 241 000	USB	(AB)
E07a	11413	14-8	1530	Fri	241 241 241 000	USB	(AB)
E07a	12177	15-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	15-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	19-8	2000	Wed	172 172 172 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB/RL/Dan)
E07a	10766	19-8	2020	Wed	172 172 172 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB/RL)
E07a	9266	19-8	2040	Wed	172 172 172 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB/RL)
E07a	7399	20-8	0430	Thu	912 912 912 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB)
E07a	9133	20-8	0450	Thu	912 912 912 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB)
E07a	10233	20-8	0510	Thu	912 912 912 1 32926 1346 95 1346 95 10940 45001 66137 ... 95605 44140 46337 000 000	USB	(AB)
E07a	12213	21-8	1510	Fri	241 241 241 000	USB	(AB/MPJ/HFD)
E07a	11413	21-8	1530	Fri	241 241 241 000	USB	(AB/MPJ/HFD)
E07a	12177	22-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	22-8	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	26-8	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	26-8	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7399	27-8	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	27-8	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	28-8	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	28-8	1530	Fri	241 241 241 000	USB	(AB/GHn/MPJ)
E07a	12177	29-8	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	29-8	0820	Sat	148 148 148 000	USB	(AB)
E11	6480	1-8	0710	Sat	495/00	USB	(AB)
E11	5737	1-8	0805	Sat	316/00	USB	(AB)
E11	12984	1-8	1345	Sat	914/00	USB	(AB/MPJ)
E11	4783	1-8	1705	Sat	393/00	USB	(AB)
E11	6849	2-8	0435	Sun	351/00	USB	(AB)
E11	6480	2-8	0710	Sun	496/00	USB	(AB)
E11	5737	2-8	0805	Sun	311/00	USB	(AB)
E11	5371	2-8	1605	Sun	233/00	USB	(AB/MPJ)
E11	7863	2-8	1625	Sun	972/00	USB	(AB/MPJ)
E11	12229	2-8	1650	Sun	929/00	USB	(AB/MPJ)
E11	14410	2-8	1745	Sun	248/00	USB	(AB)
E11	9610	2-8	1910	Sun	618/00	USB	(AB)
E11	5082	2-8	1930	Sun	363/00	USB	(AB)
E11	7469	3-8	0450	Mon	414/00	USB	(AB)
E11	15800	3-8	0640	Mon	945/00	USB	(AB)
E11	9610	3-8	0745	Mon	266/00	USB	(AB)
E11	12202	3-8	0830	Mon	182/00	USB	(AB)
E11	8545	3-8	1045	Mon	697/00	USB	(AB/MPJ)

E11	5409	3-8	1530	Mon	522/00	USB	(AB)
E11	14410	3-8	1745	Mon	248/00	USB	(AB-POL/MPJ)
E11	7600	3-8	1900	Mon	644/00	USB	(AB)
E11	8680	4-8	0700	Tue	570/00	USB	(AB)
E11	14940	4-8	0745	Tue	228/00	USB	(AB)
E11	17378	4-8	0820	Tue	134/00	USB	(AB)
E11	12153	4-8	0845	Tue	157/00	USB	(AB)
E11	6304	4-8	1205	Tue	464/00	USB	(AB/MPJ)
E11	12984	4-8	1345	Tue	910/00	USB	(AB/MPJ)
E11	14575	4-8	1645	Tue	331/00	USB	(AB-POL/MPJ)
E11	15800	5-8	0640	Wed	949/00	USB	(AB)
E11	15720	5-8	0745	Wed	344/00	USB	(AB)
E11	17378	5-8	0820	Wed	134/00	USB	(AB)
E11	6923	5-8	0930	Wed	278/00	USB	(AB)
E11	8545	5-8	1045	Wed	697/00	USB	(AB/MPJ)
E11	7863	5-8	1625	Wed	978/00	USB	(AB/MPJ)
E11	4783	5-8	1705	Wed	393/00	USB	(AB/MPJ)
E11	14940	6-8	0745	Thu	229/00	USB	(AB)
E11	4909	6-8	0820	Thu	430/00	USB	(AB)
E11	12153	6-8	0845	Thu	155/00	USB	(AB)
E11	6923	6-8	0930	Thu	277/00	USB	(AB)
E11	10356	6-8	1530	Thu	269/00	USB	(AB/MPJ)
E11	14575	6-8	1645	Thu	331/00	USB	(MPJ)
E11	8088	6-8	1730	Thu	424/00	USB	(AB)
E11	7600	6-8	1900	Thu	647/00	USB	(AB)
E11	6849	7-8	0435	Fri	355/00	USB	(AB)
E11	8680	7-8	0700	Fri	575/00	USB	(AB)
E11	10429	7-8	0715	Fri	634/00	USB	(AB)
E11	15720	7-8	0745	Fri	344/00	USB	(AB)
E11	4909	7-8	0820	Fri	438/00	USB	(AB)
E11	12202	7-8	0830	Fri	180/00	USB	(AB)
E11	5409	7-8	1530	Fri	527/00	USB	(AB)
E11	12229	7-8	1650	Fri	920/00	USB	(AB/MPJ)
E11	6480	8-8	0710	Sat	491/00	USB	(AB)
E11	5737	8-8	0805	Sat	310/00	USB	(AB)
E11	12984	8-8	1345	Sat	910/00	USB	(MPJ)
E11	4783	8-8	1705	Sat	396/00	USB	(MPJ)
E11	5082	8-8	1930	Sat	369/00	USB	(AB)
E11	6480	9-8	0710	Sun	497/00	USB	(AB)
E11	5737	9-8	0805	Sun	314/00	USB	(AB)
E11	7863	9-8	1625	Sun	975/00	USB	(AB/MPJ)
E11	12229	9-8	1650	Sun	925/00	USB	(AB/MPJ)
E11	5082	9-8	1930	Sun	368/00	USB	(AB/GHn)
E11	7469	10-8	0450	Mon	412/00	USB	(AB/HFD)

E11	15800	10-8	0640	Mon	949/00	USB	(AB-POL)
E11	12202	10-8	0830	Mon	185/00	USB	(AB)
E11	8545	10-8	1045	Mon	691/00	USB	(AB)
E11	5409	10-8	1530	Mon	520/00	USB	(AB/MPJ)
E11	7600	10-8	1900	Mon	641/00	USB	(AB)
E11	13424	11-8	0645	Tue	518/00	USB	(AB)
E11	8680	11-8	0700	Tue	571/00	USB	(AB)
E11	10429	11-8	0715	Tue	639/00	USB	(AB)
E11	14940	11-8	0745	Tue	227/00	USB	(AB)
E11	17378	11-8	0820	Tue	130/00	USB	(AB-POL)
E11	8180	11-8	1000	Tue	309/00	USB	(AB)
E11	5371	11-8	1605	Tue	237/00	USB	(AB/MPJ)
E11	14575	11-8	1645	Tue	337/00	USB	(AB-POL/MPJ)
E11	15800	12-8	0640	Wed	944/00	USB	(AB)
E11	15720	12-8	0745	Wed	342/00	USB	(AB)
E11	17378	12-8	0820	Wed	135/00	USB	(AB)
E11	6923	12-8	0930	Wed	276/00	USB	(AB)
E11	8545	12-8	1045	Wed	692/00	USB	(AB)
E11	6304	12-8	1205	Wed	460/00	USB	(AB)
E11	7863	12-8	1625	Wed	970/00	USB	(AB/MPJ)
E11	4783	12-8	1705	Wed	395/00	USB	(AB/MPJ)
E11	13424	13-8	0645	Thu	511/00	USB	(AB)
E11	14940	13-8	0745	Thu	229/00	USB	(AB)
E11	4909	13-8	0820	Thu	438/00	USB	(AB)
E11	6923	13-8	0930	Thu	279/00	USB	(AB)
E11	14575	13-8	1645	Thu	335/00	USB	(MPJ)
E11	8088	13-8	1730	Thu	415/00	USB	(AB)
E11	7600	13-8	1900	Thu	648/00	USB	(AB)
E11	6849	14-8	0435	Fri	351/00	USB	(AB)
E11	8680	14-8	0700	Fri	570/00	USB	(AB)
E11	10429	14-8	0715	Fri	635/00	USB	(AB)
E11	15720	14-8	0745	Fri	349/00	USB	(AB)
E11	4909	14-8	0820	Fri	431/00	USB	(AB)
E11	12202	14-8	0830	Fri	180/00	USB	(AB)
E11	8180	14-8	1000	Fri	308/00	USB	(AB)
E11	5409	14-8	1530	Fri	525/00	USB	(AB/MPJ)
E11	12229	14-8	1650	Fri	921/00	USB	(MPJ)
E11	9610	14-8	1910	Fri	618/00	USB	(AB)
E11	6480	15-8	0710	Sat	490/00	USB	(AB)
E11	5737	15-8	0805	Sat	310/00	USB	(AnEur)
E11	4783	15-8	1705	Sat	392/00	USB	(AB/MPJ)
E11	6849	16-8	0435	Sun	355/00	USB	(AB)
E11	6480	16-8	0710	Sun	492/00	USB	(AB)
E11	5737	16-8	0805	Sun	314/00	USB	(AB)

E11	5371	16-8	1605	Sun	238/00	USB	(AB)
E11	7863	16-8	1625	Sun	974/00	USB	(AnEur)
E11	12229	16-8	1650	Sun	925/00	USB	(AnEur)
E11	9610	16-8	1910	Sun	611/00	USB	(AnEur)
E11	9610	17-8	0745	Mon	267/00	USB	(AB)
E11	7449	17-8	0900	Mon	537/00	USB	(AB)
E11	5409	17-8	1530	Mon	521/00	USB	(AB/MPJ)
E11	14410	17-8	1745	Mon	247/00	USB	(MPJ)
E11	7600	17-8	1900	Mon	643/00	USB	(AB)
E11	13424	18-8	0645	Tue	511/00	USB	(AB)
E11	17378	18-8	0820	Tue	138/00	USB	(AB-POL)
E11	12153	18-8	0845	Tue	151/00	USB	(AB)
E11	8180	18-8	1000	Tue	304/00	USB	(AB/MPJ)
E11	6304	18-8	1205	Tue	460/00	USB	(AB/MPJ)
E11	12984	18-8	1345	Tue	914/00	USB	(AB)
E11	5371	18-8	1605	Tue	233/00	USB	(AB/MPJ)
E11	14575	18-8	1645	Tue	332/00	USB	(AB-FIN)
E11	17378	19-8	0820	Wed	130/00	USB	(AB)
E11	7449	19-8	0900	Wed	532/00	USB	(AB)
E11	6923	19-8	0930	Wed	275/00	USB	(AB)
E11	6304	19-8	1205	Wed	469/00	USB	(AB)
E11	4783	19-8	1705	Wed	390/00	USB	(AB/MPJ)
E11	13424	20-8	0645	Thu	515/00	USB	(AB)
E11	12153	20-8	0845	Thu	152/00	USB	(AB)
E11	6923	20-8	0930	Thu	273/00	USB	(AB)
E11	10356	20-8	1530	Thu	261/00	USB	(AB/MPJ)
E11	14575	20-8	1645	Thu	338/00	USB	(MPJ-POL)
E11	7600	20-8	1900	Thu	648/00	USB	(AB)
E11	6849	21-8	0435	Fri	350/00	USB	(AB/HFD)
E11	8180	21-8	1000	Fri	307/00	USB	(AB)
E11	5409	21-8	1530	Fri	522/00	USB	(AB/MPJ)
E11	12229	21-8	1650	Fri	925/00	USB	(AB/MPJ)
E11	9610	21-8	1910	Fri	616/00	USB	(AB)
E11	5737	22-8	0805	Sat	312/00	USB	(AB)
E11	12984	22-8	1345	Sat	912/00	USB	(AB/MPJ)
E11	4783	22-8	1705	Sat	392/00	USB	(AB/MPJ)
E11	5082	22-8	1930	Sat	360/00	USB	(AB)
E11	6849	23-8	0435	Sun	359/00	USB	(AB)
E11	5737	23-8	0805	Sun	310/00	USB	(AB)
E11	5371	23-8	1605	Sun	236/00	USB	(AB/MPJ)
E11	12229	23-8	1650	Sun	921/00	USB	(AB/MPJ)
E11	14410	23-8	1745	Sun	248/00	USB	(AB/MPJ)
E11	9610	23-8	1910	Sun	612/00	USB	(AB)
E11	5082	23-8	1930	Sun	369/00	USB	(AB)

E11	7469	24-8	0450	Mon	413/00	USB	(AB)
E11	15800	24-8	0640	Mon	942/00	USB	(AB-POL)
E11	9610	24-8	0745	Mon	268/00	USB	(AB)
E11	12202	24-8	0830	Mon	183/00	USB	(AB)
E11	7449	24-8	0900	Mon	536/00	USB	(AB)
E11	8545	24-8	1045	Mon	691/00	USB	(AB)
E11	14410	24-8	1745	Mon	246/00	USB	(MPJ)
E11	8565	25-8	0315	Tue	??-/00 too weak to copy	USB	(AB)
E11	13424	25-8	0645	Tue	514/00	USB	(AB)
E11	8680	25-8	0700	Tue	574/00	USB	(AB)
E11	10429	25-8	0715	Tue	639/00	USB	(AB)
E11	14940	25-8	0745	Tue	220/00	USB	(AB)
E11	12153	25-8	0845	Tue	151/00	USB	(AB)
E11	8180	25-8	1000	Tue	302/00	USB	(AB)
E11	12984	25-8	1345	Tue	917/00	USB	(AB/MPJ)
E11	5371	25-8	1605	Tue	235/00	USB	(AB/MPJ/HFD)
E11	15800	26-8	0640	Wed	945/00	USB	(AB-POL)
E11	15720	26-8	0745	Wed	348/00	USB	(AB)
E11	7449	26-8	0900	Wed	530/00	USB	(AB)
E11	8545	26-8	1045	Wed	692/00	USB	(AB)
E11	7863	26-8	1625	Wed	978/00	USB	(AB)
E11	13424	27-8	0645	Thu	514/00	USB	(AB)
E11	14940	27-8	0745	Thu	229/00	USB	(AB)
E11	4909	27-8	0820	Thu	432/00	USB	(AB)
E11	12153	27-8	0845	Thu	157/00	USB	(AB)
E11	10356	27-8	1530	Thu	263/00	USB	(AB/MPJ/GHn)
E11	8088	27-8	1730	Thu	414/00	USB	(AB)
E11	8680	28-8	0700	Fri	573/00	USB	(AB)
E11	10429	28-8	0715	Fri	637/00	USB	(AB)
E11	15720	28-8	0745	Fri	349/00	USB	(AB)
E11	4909	28-8	0820	Fri	434/00	USB	(AB)
E11	12202	28-8	0830	Fri	185/00	USB	(AB)
E11	8180	28-8	1000	Fri	306/00	USB	(AB)
E11	9610	28-8	1910	Fri	617/00	USB	(AB)
E11	6480	29-8	0710	Sat	492/00	USB	(AB)
E11	12984	29-8	1345	Sat	914/00	USB	(AB)
E11	5082	29-8	1930	Sat	367/00	USB	(AB)
E11	6480	30-8	0710	Sun	490/00	USB	(AB)
E11	5371	30-8	1605	Sun	231/00	USB	(AB/MPJ)
E11	7863	30-8	1625	Sun	976/00	USB	(MPJ)
E11	14410	30-8	1745	Sun	247/00	USB	(AB/MPJ)
E11	7469	31-8	0450	Mon	418/00	USB	(AB)
E11	15800	31-8	0640	Mon	944/00	USB	(AB)
E11	9610	31-8	0745	Mon	260/00	USB	(AB)

E11	12202	31-8	0830	Mon	188/00	USB	(AB)
E11	7449	31-8	0900	Mon	535/00	USB	(AB)
E11	8545	31-8	1045	Mon	699/00	USB	(AB)
E11	5409	31-8	1530	Mon	522/00	USB	(AB/MPJ)
E11	14410	31-8	1745	Mon	242/00	USB	(AB/MPJ)
E11	7600	31-8	1900	Mon	643/00	USB	(AB)
E11a	7449	3-8	0900	Mon	530/32 Attention 32936 92563 24384 ... 12599 18678 70360 Attention (message repeated) Out	USB	(AB)
E11a	13424	4-8	0645	Tue	518/33 Attention 12824 90471 82340 ... 77313 92714 47889 Attention (message repeated) Out	USB	(AB)
E11a	10429	4-8	0715	Tue	632/49 Attention 37700 45722 71152 ... 15351 37072 83852 Attention (message repeated) Out	USB	(AB)
E11a	8180	4-8	1000	Tue	308/26 Attention 60350 31075 67308 ... 73260 80216 66732 Attention (message repeated) Out	USB	(AB)
E11a	5371	4-8	1605	Tue	232/40 Attention 70581 55830 69515 ... 28138 01841 44683 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7449	5-8	0900	Wed	530/32 Attention 32936 92563 24384 ... 12599 18678 70360 Attention (message repeated) Out	USB	(AB)
E11a	6304	5-8	1205	Wed	467/45 Attention 40223 79577 71210 ... 86667 30046 70959 Attention (message repeated) Out	USB	(AB)
E11a	13424	6-8	0645	Thu	518/33 Attention 12824 90471 82340 ... 77313 92714 47889 Attention (message repeated) Out	USB	(AB)
E11a	8180	7-8	1000	Fri	308/26 Attention 60350 31075 67308 ... 73260 80216 66732 Attention (message repeated) Out	USB	(AB)
E11a	5371	9-8	1605	Sun	232/40 Attention 70581 55830 69515 ... 28138 01841 44683 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	9610	9-8	1910	Sun	610/35 Attention 93436 62272 70003 ... 81822 36097 24701 Attention (message repeated) Out	USB	(AB)
E11a	9610	10-8	0745	Mon	261/38 Attention 42972 86836 11942 ... 36578 29331 67798 Attention (message repeated) Out	USB	(AB)
E11a	7449	10-8	0900	Mon	539/44 Attention 86755 45644 02730 ... 45539 05572 73838 Attention (message repeated) Out	USB	(AB)
E11a	14410	10-8	1745	Mon	249/33 Attention 10041 83763 21796 ... 41678 99239 37249 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12153	11-8	0845	Tue	155/34 Attention 54930 41377 66405 ... 42861 99330 74803 Attention (message repeated) Out	USB	(AB)
E11a	6304	11-8	1205	Tue	467/45 Attention 40223 79577 71210 ... 86667 30046 70959 Attention (message repeated) Out	USB	(AB/MPJ-HNG)
E11a	12984	11-8	1345	Tue	917/30 Attention 04852 40820 04555 ... 72254 00470 95964 Attention (message repeated) Out	USB	(AB)
E11a	7449	12-8	0900	Wed	531/44 Attention 86755 45644 02730 ... 45539 05572 73838 Attention (message repeated) Out	USB	(AB)
E11a	12153	13-8	0845	Thu	155/34 Attention 54930 41377 66405 ... 42861 99330 74803 Attention (message repeated) Out	USB	(AB)
E11a	10356	13-8	1530	Thu	261/38 Attention 42972 86836 11942 ... 36578 29331 67798 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12984	15-8	1345	Sat	917/30 Attention 04852 40820 04555 ... 72254 00470 95964 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5082	15-8	1930	Sat	363/36 Attention 52672 69977 88885 ... 87972 13649 46290 Attention (message repeated) Out	USB	(AB)
E11a	14410	16-8	1745	Sun	249/33 Attention 10041 83763 21796 ... 41678 99239 37249 Attention (message repeated) Out	USB	(AB)
E11a	5082	16-8	1930	Sun	363/36 Attention 52672 69977 88885 ... 87972 13649 46290 Attention (message repeated) Out	USB	(AB)
E11a	7469	17-8	0450	Mon	412/38 Attention 85390 00285 16932 ... 45252 44118 71955 Attention (message repeated) Out	USB	(AB)
E11a	15800	17-8	0640	Mon	946/31 Attention 37283 73519 49426 ... 07727 85990 88009 Attention (message repeated) Out	USB	(AB-POL)
E11a	12202	17-8	0830	Mon	180/40 Attention 79302 47880 56314 ... 44720 03815 35309 Attention (message repeated) Out	USB	(AB)
E11a	8545	17-8	1045	Mon	697/31 Attention 75650 74831 60881 ... 35919 59948 79269 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8680	18-8	0700	Tue	570/36 Attention 11639 90231 56801 ... 27858 84039 17389 Attention (message repeated) Out	USB	(AB)
E11a	10429	18-8	0715	Tue	633/36 Attention 80648 48507 99631 ... 75029 31335 93878 Attention (message repeated) Out	USB	(AB)
E11a	14940	18-8	0745	Tue	227/39 Attention 54456 12064 27268 ... 08314 89495 21475 Attention (message repeated) Out	USB	(AB)
E11a	15800	19-8	0640	Wed	946/31 Attention 37283 73519 49426 ... 07727 85990 88009 Attention (message repeated) Out	USB	(AB)
E11a	15720	19-8	0745	Wed	343/34 Attention 30405 13606 52712 ... 30394 07167 97716 Attention (message repeated) Out	USB	(AB)
E11a	8545	19-8	1045	Wed	697/31 Attention 75650 74831 60881 ... 35919 59948 79269 Attention (message repeated) Out	USB	(AB)
E11a	7863	19-8	1625	Wed	977/33 Attention 20574 74897 20644 ... 42218 41516 16406 Attention (message repeated) Out	USB	(AB)
E11a	14940	20-8	0745	Thu	227/39 Attention 54456 12064 27268 ... 08314 89495 21475 Attention (message repeated) Out	USB	(AB)
E11a	4909	20-8	0820	Thu	434/36 Attention 00596 05130 50322 ... 94821 54599 07958 Attention (message repeated) Out	USB	(AB)
E11a	8088	20-8	1730	Thu	412/38 Attention 85390 00285 16932 ... 45252 44118 71955 Attention (message repeated) Out	USB	(AB/MPJ)

E11a	8680	21-8	0700	Fri	570/36 Attention 11639 90231 56801 ... 27858 84039 17389 Attention (message repeated) Out	USB	(AB)
E11a	10429	21-8	0715	Fri	633/36 Attention 80648 48507 99631 ... 75029 31335 93878 Attention (message repeated) Out	USB	(AB)
E11a	15720	21-8	0745	Fri	343/34 Attention 30405 13606 52712 ... 30394 07167 97716 Attention (message repeated) Out	USB	(AB-POL)
E11a	4909	21-8	0820	Fri	434/36 Attention 00596 05130 50322 ... 94821 54599 07958 Attention (message repeated) Out	USB	(AB)
E11a	12202	21-8	0830	Fri	180/40 Attention 79302 47880 56314 ... 44720 03815 35309 Attention (message repeated) Out	USB	(AB)
E11a	6480	22-8	0710	Sat	492/38 Attention 65990 71691 62763 ... 51699 35230 55883 Attention (message repeated) Out	USB	(AB)
E11a	6480	23-8	0710	Sun	492/38 Attention 65990 71691 62763 ... 51699 35230 55883 Attention (message repeated) Out	USB	(AB)
E11a	7863	23-8	1625	Sun	977/33 Attention 20574 74897 20644 ... 42218 41516 16406 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5409	24-8	1530	Mon	527/31 Attention 24082 24019 99055 ... 31643 64606 92686 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7600	24-8	1900	Mon	649/34 Attention 13765 70751 40004 ... 04382 09248 75317 Attention (message repeated) Out	USB	(AB)
E11a	17378	25-8	0820	Tue	134/32 Attention 42267 63315 84765 ... 38264 22100 50439 Attention (message repeated) Out	USB	(AB-POL)
E11a	6304	25-8	1205	Tue	463/40 Attention 10549 34701 79328 ... 00410 86660 99134 Attention (message repeated) Out	USB	(AB/MPJ-POL)
E11a	14575	25-8	1645	Tue	338/39 Attention 25654 23099 59332 ... 60452 26429 80824 Attention (message repeated) Out	USB	(AB)
E11a	17378	26-8	0820	Wed	134/32 Attention 42267 63315 84765 ... 38264 22100 50439 Attention (message repeated) Out	USB	(AB)
E11a	6923	26-8	0930	Wed	271/31 Attention 55851 48497 39246 ... 35604 88966 92561 Attention (message repeated) Out	USB	(AB)
E11a	6304	26-8	1205	Wed	463/40 Attention 10549 34701 79328 ... 00410 86660 99134 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6923	27-8	0930	Thu	271/31 Attention 55851 48497 39246 ... 35604 88966 92561 Attention (message repeated) Out	USB	(AB)
E11a	14575	27-8	1645	Thu	338/39 Attention 25654 23099 59332 ... 60452 26429 80824 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	7600	27-8	1900	Thu	649/34 Attention 13765 70751 40004 ... 04382 09248 75317 Attention (message repeated) Out	USB	(AB)
E11a	6849	28-8	0435	Fri	352/37 Attention 60714 58113 06551 ... 43864 59194 43133 Attention (message repeated) Out	USB	(AB)
E11a	5409	28-8	1530	Fri	527/31 Attention 24082 24019 99055 ... 31643 64606 92686 Attention (message repeated) Out	USB	(AB/MPJ/Gwr)
E11a	12229	28-8	1650	Fri	929/31 Attention 33708 67157 05047 ... 97514 31275 17074	USB	(MPJ)
E11a	5737	29-8	0805	Sat	312/34 Attention 50365 77464 01380 ... 76373 69314 47762 Attention (message repeated) Out	USB	(AB)
E11a	4783	29-8	1705	Sat	390/40 Attention 71315 90705 90133 ... 60271 91356 51480 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	30-8	0435	Sun	352/37 Attention 60714 58113 06551 ... 43864 59194 43133 Attention (message repeated) Out	USB	(AB)
E11a	5737	30-8	0805	Sun	312/34 Attention 50365 77464 01380 ... 76373 69314 47762 Attention (message repeated) Out	USB	(AB)
E11a	12229	30-8	1650	Sun	929/31 Attention 33708 67157 05047 ... 97514 31275 17074	USB	(MPJ)
E17z	16780	6-8	0800	Thu	217 468 5 75155 92918 97067 58604 11171 468 5 00000	USB	(AB)
E17z	12850	6-8	0810	Thu	217 468 5 75155 92918 97067 58604 11171 468 5 00000	USB	(AB)
E17z	16780	13-8	0800	Thu	217 468 5 75155 92918 97067 58604 11171 468 5 00000	USB	(AB)
E17z	12850	13-8	0810	Thu	217 468 5 75155 92918 97067 58604 11171 468 5 00000	USB	(AB)
E17z	16780	20-8	0800	Thu	217 950 6 91943 58766 40970 45632 45150 77659 950 6 00000	USB	(AB)
E17z	12850	20-8	0810	Thu	217 950 6 91943 58766 40970 45632 45150 77659 950 6 00000	USB	(AB)
E17z	16780	27-8	0800	Thu	217 950 6 91943 58766 40970 45632 45150 77659 950 6 00000	USB	(AB)
E17z	12850	27-8	0810	Thu	217 950 6 91943 58766 40970 45632 45150 77659 950 6 00000	USB	(AB)
F01	16023	3-8	0025	Mon	Russian diplo/intel via Cuba. Header: 11177 00117 85214 31040 01519	FSK 200/500	(Danix-USA)
F01	14373	3-8	0035	Mon	Russian diplo/intel via Cuba. Header: 11177 00117 85214 31040 01519	FSK 200/500	(Danix-USA)
F01	11076	3-8	1015	Mon	Russian diplo/intel. 08144 67308 86791 ... 39165 19554 10423 00000	FSK 200/500	(AB/HFD)
F01	9164	3-8	1025	Mon	Russian diplo/intel. 08144 67308 86791 ... 39165 19554 10423 00000	FSK 200/500	(AB-RUS/HFD)
F01	7316	3-8	1035	Mon	Russian diplo/intel. 08144 67308 86791 ... 39165 19554 10423 00000	FSK 200/500	(AB-RUS/HFD-RUS)
F01	11076	4-8	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9164	4-8	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7316	4-8	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11076	5-8	1015	Wed	Russian diplo/intel. 05357 64605 36123 ... 92654 04999 13435 00000	FSK 200/500	(AB)

F01	9164	5-8	1025	Wed	Russian diplo/intel. 05357 64605 36123 ... 92654 04999 13435 00000	FSK 200/500	(AB-RUS)
F01	7316	5-8	1035	Wed	Russian diplo/intel. 05357 64605 36123 ... 92654 04999 13435 00000	FSK 200/500	(AB-RUS)
F01	15854	5-8	1840	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	13543	5-8	1850	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	11126	5-8	1900	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	11076	6-8	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	9164	6-8	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	7316	6-8	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	11076	7-8	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	9164	7-8	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	7316	7-8	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB-RUS)
F01	16023	10-8	0025	Mon	Russian diplo/intel. Header: 11177 00117 46395 06041 01619	FSK 200/500	(Danix-USA)
F01	14373	10-8	0035	Mon	Russian diplo/intel. Header: 11177 00117 46395 06041 01619	FSK 200/500	(Danix-USA)
F01	11076	10-8	1015	Mon	Russian diplo/intel. 03475 65944 56443 ... 11966 14581 16421 00000	FSK 200/500	(AB)
F01	9164	10-8	1025	Mon	Russian diplo/intel. 03475 65944 56443 ... 11966 14581 16421 00000	FSK 200/500	(AB-RUS)
F01	7316	10-8	1035	Mon	Russian diplo/intel. 03475 65944 56443 ... 11966 14581 16421 00000	FSK 200/500	(AB-RUS)
F01	11076	11-8	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9164	11-8	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7316	11-8	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11076	12-8	1015	Wed	Russian diplo/intel. 06572 84731 76818 ...02343 55459 19431 00000	FSK 200/500	(AB)
F01	9164	12-8	1025	Wed	Russian diplo/intel. 06572 84731 76818 ...02343 55459 19431 00000	FSK 200/500	(AB-RUS)
F01	7316	12-8	1035	Wed	Russian diplo/intel. 06572 84731 76818 ...02343 55459 19431 00000	FSK 200/500	(AB-RUS)
F01	11076	13-8	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9164	13-8	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7316	13-8	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11076	14-8	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	9164	14-8	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	7316	14-8	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB-RUS)
F01	16023	17-8	0032	Mon	Russian diplo/intel. Header: 11177 00117 12365 12042 02049	FSK 200/500	(Danix-USA)
F01	14373	17-8	0035	Mon	Russian diplo/intel. Header: 11177 00117 12365 12042 02049	FSK 200/500	(Danix-USA)
F01	11076	17-8	1015	Mon	Russian diplo/intel. 26910 46273 43847 ... 84506 78854 22431 00000	FSK 200/500	(AB/MPJ)
F01	9164	17-8	1025	Mon	Russian diplo/intel. 26910 46273 43847 ... 84506 78854 22431 00000	FSK 200/500	(AB-RUS/MPJ)
F01	7316	17-8	1035	Mon	Russian diplo/intel. 26910 46273 43847 ... 84506 78854 22431 00000	FSK 200/500	(AB-RUS/MPJ)
F01	11076	18-8	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9164	18-8	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7316	18-8	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11076	19-8	1015	Wed	Russian diplo/intel. 93410 05191 08033 ... 42256 36006 25421 00000	FSK 200/500	(AB)
F01	9164	19-8	1025	Wed	Russian diplo/intel. 93410 05191 08033 ... 42256 36006 25421 00000	FSK 200/500	(AB-RUS)
F01	7316	19-8	1035	Wed	Russian diplo/intel. 93410 05191 08033 ... 42256 36006 25421 00000	FSK 200/500	(AB-RUS)
F01	11076	20-8	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	9164	20-8	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	7316	20-8	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	11076	21-8	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	9164	21-8	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)

F01	7316	21-8	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB-RUS)
F01	11076	24-8	1015	Mon	Russian diplo/intel. 67501 10369 72711 ... 04277 91436 28433 00000	FSK 200/500	(AB)
F01	9164	24-8	1025	Mon	Russian diplo/intel. 67501 10369 72711 ... 04277 91436 28433 00000	FSK 200/500	(AB-RUS)
F01	7316	24-8	1035	Mon	Russian diplo/intel. 67501 10369 72711 ... 04277 91436 28433 00000	FSK 200/500	(AB-RUS)
F01	11076	25-8	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9164	25-8	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7316	25-8	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11076	26-8	1015	Wed	Russian diplo/intel. 90358 30788 56401 ... 70262 29530 31417 00000	FSK 200/500	(AB)
F01	9164	26-8	1025	Wed	Russian diplo/intel. 90358 30788 56401 ... 70262 29530 31417 00000	FSK 200/500	(AB-RUS)
F01	7316	26-8	1035	Wed	Russian diplo/intel. 90358 30788 56401 ... 70262 29530 31417 00000	FSK 200/500	(AB-RUS)
F01	11076	27-8	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	9164	27-8	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	7316	27-8	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	11076	28-8	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	9164	28-8	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	7316	28-8	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB-RUS)
F01	11076	31-8	1015	Mon	Russian diplo/intel. 68847 98545 00245 ... 25854 86570 34437 00000	FSK 200/500	(AB)
F01	9164	31-8	1025	Mon	Russian diplo/intel. 68847 98545 00245 ... 25854 86570 34437 00000	FSK 200/500	(AB-RUS)
F01	7316	31-8	1035	Mon	Russian diplo/intel. 68847 98545 00245 ... 25854 86570 34437 00000	FSK 200/500	(AB-RUS)
F03f	10210	6-8	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	6-8	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	10-8	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	10-8	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	13-8	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	13-8	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	17-8	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	17-8	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	20-8	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	20-8	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	24-8	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	24-8	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	27-8	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	27-8	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	31-8	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	10210	31-8	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03i	6433	4-8	1100	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	4-8	1105	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	5-8	1100	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(MPJ)
F03i	6433	5-8	1105	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(MPJ)
F03i	6433	11-8	1100	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	11-8	1105	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	12-8	1100	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	12-8	1105	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	18-8	1100	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB/MPJ)

F03i	6433	18-8	1105	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB/MPJ)
F03i	6433	19-8	1100	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	19-8	1105	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	25-8	1100	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB/MPJ)
F03i	6433	25-8	1105	Tue	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB/MPJ)
F03i	6433	26-8	1100	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03i	6433	26-8	1105	Wed	Polish intel.	FSK-2 100Bd/800Hz/488bp	(AB)
F03j	8423	3-8	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	3-8	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	4-8	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	4-8	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	4-8	0635	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	4-8	0640	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	4-8	0725	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	4-8	0730	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	4-8	0800	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	4-8	0805	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	4-8	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	4-8	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	4-8	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	4-8	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	5-8	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	5-8	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	6-8	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	6-8	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	6-8	0635	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	6-8	0640	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	6-8	0725	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	6-8	0730	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	6-8	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	6-8	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	6-8	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	6-8	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	7-8	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	7-8	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	7-8	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	7-8	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	10-8	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	10-8	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	10-8	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	10-8	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	11-8	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	11-8	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	11-8	0635	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	14865	11-8	0640	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	11-8	0725	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	11-8	0730	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	11-8	0800	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	11-8	0805	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	11-8	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	11-8	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	11-8	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	11-8	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	12-8	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	12-8	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	13-8	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	13-8	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	13-8	0635	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	13-8	0640	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	13-8	0725	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	13-8	0730	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	13-8	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	13-8	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	13-8	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	13-8	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	14-8	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	14-8	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	14-8	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	14-8	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	17-8	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	17-8	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	17-8	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8423	17-8	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8803	18-8	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	18-8	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	18-8	0635	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	18-8	0640	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	18-8	0725	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	18-8	0730	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	18-8	0800	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	18-8	0805	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	18-8	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	18-8	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	18-8	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	18-8	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	19-8	0800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	19-8	0805	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	19-8	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	8423	19-8	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	20-8	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	20-8	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	20-8	0635	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	20-8	0640	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	20-8	0725	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	20-8	0730	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	20-8	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	20-8	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	20-8	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	20-8	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	21-8	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	21-8	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	21-8	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	21-8	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	24-8	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	24-8	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	24-8	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	24-8	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	25-8	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	25-8	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	25-8	0725	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	25-8	0730	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	25-8	0800	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	25-8	0805	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	25-8	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	25-8	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	25-8	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	25-8	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	26-8	0800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18030	26-8	0805	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	26-8	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	26-8	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	26-8	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	26-8	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	27-8	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8803	27-8	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	27-8	0635	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14865	27-8	0640	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	27-8	0725	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17410	27-8	0730	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	27-8	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12385	27-8	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6304	27-8	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	6304	27-8	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	28-8	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	28-8	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	28-8	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7663	28-8	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	31-8	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12397	31-8	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	31-8	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8423	31-8	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	7469	3-8	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	7469	3-8	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	3-8	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	6304	3-8	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	12385	4-8	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	4-8	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6849	5-8	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	5-8	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	6-8	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	6-8	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	6-8	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	6-8	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	6-8	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	6-8	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	7469	10-8	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	10-8	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	10-8	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	10-8	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	11-8	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	11-8	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	12-8	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	12-8	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	13-8	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	13-8	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	13-8	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	13-8	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	13-8	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	13-8	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	17-8	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	17-8	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	17-8	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	6304	17-8	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	12385	18-8	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	18-8	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6849	19-8	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	6849	19-8	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	20-8	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	20-8	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	20-8	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	20-8	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	20-8	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	20-8	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	7469	24-8	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	24-8	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	24-8	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	24-8	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	25-8	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	25-8	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6849	26-8	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	26-8	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	26-8	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	26-8	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	27-8	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6849	27-8	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12385	27-8	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	12385	27-8	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	7469	31-8	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7469	31-8	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	31-8	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	6304	31-8	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F06	17428	2-8	1530	Sun	Russian diplo/intel. 11166 10053 63814 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15786	2-8	1540	Sun	Russian diplo/intel. 11166 10053 63814 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12228	2-8	1550	Sun	Russian diplo/intel. 11166 10053 63814 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/SP1)
F06	10263	3-8	0400	Mon	Russian diplo/intel. 11166 70059 85263 03001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	8126	3-8	0410	Mon	Russian diplo/intel. 11166 70059 85263 03001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	6888	3-8	0420	Mon	Russian diplo/intel. 11166 70059 85263 03001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	13509	3-8	0700	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB)
F06	11076	3-8	0710	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB)
F06	9053	3-8	0720	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB)
F06	12138	3-8	1200	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB)
F06	10394	3-8	1210	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB)
F06	8076	3-8	1220	Mon	Russian diplo/intel. Header: 11166 70202 25796 31047 02439	FSK 200/1000	(AB-RUS)
F06	10268	4-8	0030	Tue	Russian diplo/intel. 11166 60070 12356 04021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	4-8	0040	Tue	Russian diplo/intel. 11166 60070 12356 04021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	4-8	0050	Tue	Russian diplo/intel. 11166 60070 12356 04021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	4-8	0700	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB)
F06	11076	4-8	0710	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB)
F06	9053	4-8	0720	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB)
F06	12138	4-8	1200	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB)

F06	10394	4-8	1210	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB)
F06	8076	4-8	1220	Tue	Russian diplo/intel. Headers: 11166 70202 59317 03048 01619 and 11166 70202 82159 03049 01659	FSK 200/1000	(AB-RUS)
F06	17534	4-8	1650	Tue	Russian diplo/intel. 11166 10053 74102 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	4-8	1700	Tue	Russian diplo/intel. 11166 10053 74102 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	4-8	1710	Tue	Russian diplo/intel. 11166 10053 74102 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13509	5-8	0700	Wed	Russian diplo/intel. Header: 11166 70202 61487 04050 02199	FSK 200/1000	(AB)
F06	11076	5-8	0710	Wed	Russian diplo/intel. Header: 11166 70202 61487 04050 02199	FSK 200/1000	(AB)
F06	9053	5-8	0720	Wed	Russian diplo/intel. Header: 11166 70202 61487 04050 02199	FSK 200/1000	(AB)
F06	12138	5-8	1200	Wed	Russian diplo/intel. 11166 70202 61487 04050 02199	FSK 200/1000	(AB)
F06	10394	5-8	1210	Wed	Russian diplo/intel. 11166 70202 61487 04050 02199	FSK 200/1000	(AB)
F06	8076	5-8	1220	Wed	Russian diplo/intel. 11166 70202 61487 04050 02199	FSK 200/1000	(AB-RUS)
F06	16346	6-8	0600	Thu	Russian diplo/intel. 11166 40122 18539 01001 03469	USB	(AB-RUS)
F06	14847	6-8	0620	Thu	Russian diplo/intel. 11166 40122 18539 01001 03469	USB	(AB-RUS)
F06	12223	6-8	0640	Thu	Russian diplo/intel. 11166 40122 18539 01001 03469	USB	(AB-RUS)
F06	13509	6-8	0700	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB)
F06	11076	6-8	0710	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB)
F06	9053	6-8	0720	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB)
F06	11484	6-8	0800	Thu	Russian diplo/intel. 11166 70048 14789 06016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9328	6-8	0810	Thu	Russian diplo/intel. 11166 70048 14789 06016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7813	6-8	0820	Thu	Russian diplo/intel. 11166 70048 14789 06016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12138	6-8	1200	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB)
F06	10394	6-8	1210	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB)
F06	8076	6-8	1220	Thu	Russian diplo/intel. Headers: 11166 70202 89312 05051 01879 and 11166 70202 42139 05052 01459	FSK 200/1000	(AB-RUS)
F06	14978	6-8	1330	Thu	Russian diplo/intel. 11166 80214 15648 06057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	6-8	1340	Thu	Russian diplo/intel. 11166 80214 15648 06057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	6-8	1350	Thu	Russian diplo/intel. 11166 80214 15648 06057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13509	7-8	0700	Fri	Russian diplo/intel. 11166 70202 53718 07083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11076	7-8	0710	Fri	Russian diplo/intel. 11166 70202 53718 07083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9053	7-8	0720	Fri	Russian diplo/intel. 11166 70202 53718 07083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	9-8	1530	Sun	Russian diplo/intel. 11166 10053 45623 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15786	9-8	1540	Sun	Russian diplo/intel. 11166 10053 45623 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12228	9-8	1550	Sun	Russian diplo/intel. 11166 10053 45623 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13509	10-8	0700	Mon	Russian diplo/intel. Incorrect bandwidth	FSK 200/500	(AB)
F06	11076	10-8	0710	Mon	Russian diplo/intel. Incorrect bandwidth	FSK 200/500	(AB)
F06	9053	10-8	0720	Mon	Russian diplo/intel. Incorrect bandwidth	FSK 200/500	(AB)
F06	12138	10-8	1200	Mon	Russian diplo/intel. Header: 11166 70202 58231 07053 02559	FSK 200/1000	(AB/MPJ)
F06	10394	10-8	1210	Mon	Russian diplo/intel. Header: 11166 70202 58231 07053 02559	FSK 200/1000	(AB/MPJ)
F06	8076	10-8	1220	Mon	Russian diplo/intel. Header: 11166 70202 58231 07053 02559	FSK 200/1000	(AB-RUS/MPJ)
F06	10268	11-8	0030	Tue	Russian diplo/intel. 11166 60070 36547 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	11-8	0040	Tue	Russian diplo/intel. 11166 60070 36547 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	11-8	0050	Tue	Russian diplo/intel. 11166 60070 36547 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	11-8	0700	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB)
F06	11076	11-8	0710	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB)
F06	9053	11-8	0720	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB)

F06	12138	11-8	1200	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB/MPJ)
F06	10394	11-8	1210	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB/MPJ)
F06	8076	11-8	1220	Tue	Russian diplo/intel. Headers: 11166 70202 14839 10054 01699 and 11166 70202 75294 10055 01559	FSK 200/1000	(AB-RUS/MPJ)
F06	17534	11-8	1650	Tue	Russian diplo/intel. 11166 10053 85296 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15613	11-8	1700	Tue	Russian diplo/intel. 11166 10053 85296 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	11-8	1710	Tue	Russian diplo/intel. 11166 10053 85296 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16346	12-8	0600	Wed	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	14847	12-8	0620	Wed	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	12223	12-8	0640	Wed	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	13509	12-8	0700	Wed	Russian diplo/intel. Header: 11166 70202 35627 11056 02359	FSK 200/1000	(AB)
F06	11076	12-8	0710	Wed	Russian diplo/intel. Header: 11166 70202 35627 11056 02359	FSK 200/1000	(AB)
F06	9053	12-8	0720	Wed	Russian diplo/intel. Header: 11166 70202 35627 11056 02359	FSK 200/1000	(AB)
F06	16046	12-8	0800	Wed	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	14354	12-8	0810	Wed	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	12228	12-8	0820	Wed	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	12138	12-8	1200	Wed	Russian diplo/intel. 11166 70202 35627 11056 02359	FSK 200/1000	(AB)
F06	10394	12-8	1210	Wed	Russian diplo/intel. 11166 70202 35627 11056 02359	FSK 200/1000	(AB)
F06	8076	12-8	1220	Wed	Russian diplo/intel. 11166 70202 35627 11056 02359	FSK 200/1000	(AB-RUS)
F06	16346	13-8	0600	Thu	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	14847	13-8	0620	Thu	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	12223	13-8	0640	Thu	Russian diplo/intel. Headers: 11166 40122 12587 08002 03029 and 11166 40122 78963 08003 02749	USB	(AB-RUS)
F06	13509	13-8	0700	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB)
F06	11076	13-8	0710	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB)
F06	9053	13-8	0720	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB)
F06	11484	13-8	0800	Thu	Russian diplo/intel. 11166 70048 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16046	13-8	0800	Thu	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	9328	13-8	0810	Thu	Russian diplo/intel. 11166 70048 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14354	13-8	0810	Thu	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	12228	13-8	0820	Thu	Russian diplo/intel. Header: 11166 00052 98654 12066 02739	FSK 200/1000	(AB)
F06	7813	13-8	0820	Thu	Russian diplo/intel. 11166 70048 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12138	13-8	1200	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB/MPJ)
F06	10394	13-8	1210	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB/MPJ)
F06	8076	13-8	1220	Thu	Russian diplo/intel. Headers: 11166 70202 15627 12057 01719 and 11166 70202 61849 12058 01859	FSK 200/1000	(AB-RUS/MPJ)
F06	14978	13-8	1330	Thu	Russian diplo/intel. 11166 80214 96357 13017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12216	13-8	1340	Thu	Russian diplo/intel. 11166 80214 96357 13017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	13-8	1350	Thu	Russian diplo/intel. 11166 80214 96357 13017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	14-8	0700	Fri	Russian diplo/intel. 11166 70202 31958 14041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11076	14-8	0710	Fri	Russian diplo/intel. 11166 70202 31958 14041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9053	14-8	0720	Fri	Russian diplo/intel. 11166 70202 31958 14041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	16-8	1530	Sun	Russian diplo/intel. 11166 10053 74569 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15786	16-8	1540	Sun	Russian diplo/intel. 11166 10053 74569 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12228	16-8	1550	Sun	Russian diplo/intel. 11166 10053 74569 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10263	17-8	0400	Mon	Russian diplo/intel. 11166 70059 63214 17001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	8126	17-8	0410	Mon	Russian diplo/intel. 11166 70059 63214 17001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)

F06	6888	17-8	0420	Mon	Russian diplo/intel. 11166 70059 63214 17001 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	13509	17-8	0700	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB)
F06	11076	17-8	0710	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB)
F06	9053	17-8	0720	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB)
F06	12138	17-8	1200	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB/MPJ)
F06	10394	17-8	1210	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB/MPJ)
F06	8076	17-8	1220	Mon	Russian diplo/intel. Header: 11166 70202 17943 14059 02359	FSK 200/1000	(AB-RUS)
F06	10268	18-8	0030	Tue	Russian diplo/intel. 11166 60070 74125 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	18-8	0040	Tue	Russian diplo/intel. 11166 60070 74125 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	18-8	0050	Tue	Russian diplo/intel. 11166 60070 74125 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	18-8	0700	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB)
F06	11076	18-8	0710	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB)
F06	9053	18-8	0720	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB)
F06	12138	18-8	1200	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB/MPJ)
F06	10394	18-8	1210	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB/MPJ)
F06	8076	18-8	1220	Tue	Russian diplo/intel. Headers: 11166 70202 21589 17060 01659 and 11166 70202 21548 17061 01899	FSK 200/1000	(AB-RUS/MPJ)
F06	17534	18-8	1650	Tue	Russian diplo/intel. 11166 10053 14789 18072 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	18-8	1700	Tue	Russian diplo/intel. 11166 10053 14789 18072 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	18-8	1710	Tue	Russian diplo/intel. 11166 10053 14789 18072 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	19-8	0600	Wed	Russian diplo/intel. 11166 40122 48256 19069 00049 00000 00000 00000 00000	USB	(AB-RUS)
F06	14847	19-8	0620	Wed	Russian diplo/intel. 11166 40122 48256 19069 00049 00000 00000 00000 00000	USB	(AB-RUS)
F06	12223	19-8	0640	Wed	Russian diplo/intel. 11166 40122 48256 19069 00049 00000 00000 00000 00000	USB	(AB-RUS)
F06	13509	19-8	0700	Wed	Russian diplo/intel. Header: 11166 70202 89254 18062 02559	FSK 200/1000	(AB)
F06	11076	19-8	0710	Wed	Russian diplo/intel. Header: 11166 70202 89254 18062 02559	FSK 200/1000	(AB)
F06	9053	19-8	0720	Wed	Russian diplo/intel. Header: 11166 70202 89254 18062 02559	FSK 200/1000	(AB)
F06	12138	19-8	1200	Wed	Russian diplo/intel. 11166 70202 89254 18062 02559	FSK 200/1000	(AB)
F06	10394	19-8	1210	Wed	Russian diplo/intel. 11166 70202 89254 18062 02559	FSK 200/1000	(AB)
F06	8076	19-8	1220	Wed	Russian diplo/intel. 11166 70202 89254 18062 02559	FSK 200/1000	(AB-RUS)
F06	13509	20-8	0700	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB)
F06	11076	20-8	0710	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB)
F06	9053	20-8	0720	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB)
F06	11484	20-8	0800	Thu	Russian diplo/intel. Noisy transmitter for a while then off	FSK 200/1000	(AB)
F06	9328	20-8	0810	Thu	Russian diplo/intel. Nothing heard	FSK 200/1000	(AB)
F06	7813	20-8	0820	Thu	Russian diplo/intel. Nothing heard	FSK 200/1000	(AB)
F06	12138	20-8	1200	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB/MPJ)
F06	10394	20-8	1210	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB/MPJ)
F06	8076	20-8	1220	Thu	Russian diplo/intel. Headers: 11166 70202 15648 19063 01759 and 11166 70202 91567 19064 01879	FSK 200/1000	(AB-RUS/MPJ)
F06	14978	20-8	1330	Thu	Russian diplo/intel. 11166 80214 82415 20084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12216	20-8	1340	Thu	Russian diplo/intel. 11166 80214 82415 20084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	20-8	1350	Thu	Russian diplo/intel. 11166 80214 82415 20084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	21-8	0700	Fri	Russian diplo/intel. 11166 70202 89542 21047 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11076	21-8	0710	Fri	Russian diplo/intel. 11166 70202 89542 21047 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9053	21-8	0720	Fri	Russian diplo/intel. 11166 70202 89542 21047 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	23-8	1530	Sun	Russian diplo/intel. 11166 10053 36987 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	15786	23-8	1540	Sun	Russian diplo/intel. 11166 10053 36987 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12228	23-8	1550	Sun	Russian diplo/intel. 11166 10053 36987 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	24-8	0700	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	11076	24-8	0710	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	9053	24-8	0720	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	12138	24-8	1200	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	10394	24-8	1210	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	8076	24-8	1220	Mon	Russian diplo/intel. Header: 11166 70202 45682 21065 02399	FSK 200/1000	(AB)
F06	10268	25-8	0030	Tue	Russian diplo/intel. 11166 60070 13579 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	25-8	0040	Tue	Russian diplo/intel. 11166 60070 13579 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	25-8	0050	Tue	Russian diplo/intel. 11166 60070 13579 25075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	25-8	0700	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB)
F06	11076	25-8	0710	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB)
F06	9053	25-8	0720	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB)
F06	12138	25-8	1200	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB)
F06	10394	25-8	1210	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB)
F06	8076	25-8	1220	Tue	Russian diplo/intel. Headers: 11166 70202 15739 24066 01599 and 11166 70202 26485 24067 01799	FSK 200/1000	(AB-RUS)
F06	17534	25-8	1650	Tue	Russian diplo/intel. 11166 10053 14569 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15613	25-8	1700	Tue	Russian diplo/intel. 11166 10053 14569 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	25-8	1710	Tue	Russian diplo/intel. 11166 10053 14569 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16346	26-8	0600	Wed	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	14847	26-8	0620	Wed	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	12223	26-8	0640	Wed	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	13509	26-8	0700	Wed	Russian diplo/intel. Header: 11166 70202 64897 25068 02639	FSK 200/1000	(AB)
F06	11076	26-8	0710	Wed	Russian diplo/intel. Header: 11166 70202 64897 25068 02639	FSK 200/1000	(AB)
F06	9053	26-8	0720	Wed	Russian diplo/intel. Header: 11166 70202 64897 25068 02639	FSK 200/1000	(AB)
F06	16046	26-8	0800	Wed	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	14354	26-8	0810	Wed	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	12228	26-8	0820	Wed	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	12138	26-8	1200	Wed	Russian diplo/intel. 11166 70202 64897 25068 02639	FSK 200/1000	(AB)
F06	10394	26-8	1210	Wed	Russian diplo/intel. 11166 70202 64897 25068 02639	FSK 200/1000	(AB)
F06	8076	26-8	1220	Wed	Russian diplo/intel. 11166 70202 64897 25068 02639	FSK 200/1000	(AB-RUS)
F06	16346	27-8	0600	Thu	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	14847	27-8	0620	Thu	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	12223	27-8	0640	Thu	Russian diplo/intel. Header: 11166 40122 64318 22004 03969	USB	(AB-RUS)
F06	13509	27-8	0700	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB)
F06	11076	27-8	0710	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB)
F06	9053	27-8	0720	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB)
F06	16046	27-8	0800	Thu	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	14354	27-8	0810	Thu	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	12228	27-8	0820	Thu	Russian diplo/intel. Header: 11166 00052 51362 26067 02449	FSK 200/1000	(AB)
F06	12138	27-8	1200	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB/MPJ)
F06	10394	27-8	1210	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB/MPJ)
F06	8076	27-8	1220	Thu	Russian diplo/intel. Headers: 11166 70202 91358 26069 01639 and 11166 70202 37582 26070 01819	FSK 200/1000	(AB-RUS/MPJ)

F06	14978	27-8	1330	Thu	Russian diplo/intel. 11166 80214 24795 27034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12216	27-8	1340	Thu	Russian diplo/intel. 11166 80214 24795 27034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	27-8	1350	Thu	Russian diplo/intel. 11166 80214 24795 27034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13509	28-8	0700	Fri	Russian diplo/intel. 11166 70202 64587 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11076	28-8	0710	Fri	Russian diplo/intel. 11166 70202 64587 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9053	28-8	0720	Fri	Russian diplo/intel. 11166 70202 64587 28017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	30-8	1530	Sun	Russian diplo/intel. 11166 10053 14789 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15786	30-8	1540	Sun	Russian diplo/intel. 11166 10053 14789 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12228	30-8	1550	Sun	Russian diplo/intel. 11166 10053 14789 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13509	31-8	0700	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB)
F06	11076	31-8	0710	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB)
F06	9053	31-8	0720	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB)
F06	12138	31-8	1200	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB/MPJ)
F06	10394	31-8	1210	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB/MPJ)
F06	8076	31-8	1220	Mon	Russian diplo/intel. Header: 11166 70202 58413 28071 02919	FSK 200/1000	(AB/MPJ)
F06a	17503	1-8	2100	Sat	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB/RL)
F06a	15763	1-8	2115	Sat	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	1-8	2130	Sat	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB/RL)
F06a	17503	2-8	2100	Sun	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB)
F06a	15763	2-8	2115	Sun	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB)
F06a	13926	2-8	2130	Sun	Russian diplo/intel. File 04427 (1120 bytes)	FSK 200/1000	(AB)
F06a	6916	6-8	0400	Thu	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	5851	6-8	0415	Thu	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	4831	6-8	0430	Thu	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	6916	7-8	0400	Fri	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	5851	7-8	0415	Fri	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	4831	7-8	0430	Fri	Russian diplo/intel. File 44434 (1104 bytes)	FSK 200/1000	(AB)
F06a	12203	7-8	0823	Fri	Russian diplo/intel i.p. Header: 11100 00129 19753 07093 01889. Sent as F06a File 93-188	FSK 200/1000	(AB)
F06a	17503	8-8	2100	Sat	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB)
F06a	15763	8-8	2115	Sat	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB)
F06a	13926	8-8	2130	Sat	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB)
F06a	17503	9-8	2100	Sun	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	15763	9-8	2115	Sun	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	9-8	2130	Sun	Russian diplo/intel. File 04428 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	6916	13-8	0400	Thu	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	5851	13-8	0415	Thu	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	4831	13-8	0430	Thu	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	6916	14-8	0400	Fri	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	5851	14-8	0415	Fri	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	4831	14-8	0430	Fri	Russian diplo/intel. File 44435 (1120 bytes)	FSK 200/1000	(AB)
F06a	17503	15-8	2100	Sat	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)
F06a	15763	15-8	2115	Sat	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)
F06a	13926	15-8	2130	Sat	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)
F06a	17503	16-8	2100	Sun	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)

F06a	15763	16-8	2115	Sun	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)
F06a	13926	16-8	2130	Sun	Russian diplo/intel. File 04429 (800 bytes)	FSK 200/1000	(AB)
F06a	6916	20-8	0400	Thu	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	5851	20-8	0415	Thu	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	4831	20-8	0430	Thu	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	6916	21-8	0400	Fri	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	5851	21-8	0415	Fri	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	4831	21-8	0430	Fri	Russian diplo/intel. File 44436 (1024 bytes)	FSK 200/1000	(AB)
F06a	17503	22-8	2100	Sat	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB)
F06a	15763	22-8	2115	Sat	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	22-8	2130	Sat	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB/RL)
F06a	17503	23-8	2100	Sun	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB/RL)
F06a	15763	23-8	2115	Sun	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	23-8	2130	Sun	Russian diplo/intel. File 04430 (1024 bytes)	FSK 200/1000	(AB/RL)
F06a	6916	27-8	0400	Thu	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	5851	27-8	0415	Thu	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	4831	27-8	0430	Thu	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	6916	28-8	0400	Fri	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	5851	28-8	0415	Fri	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	4831	28-8	0430	Fri	Russian diplo/intel. File 44437 (1216 bytes)	FSK 200/1000	(AB)
F06a	17503	29-8	2100	Sat	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	15763	29-8	2115	Sat	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	29-8	2130	Sat	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	17503	30-8	2100	Sun	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	15763	30-8	2115	Sun	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
F06a	13926	30-8	2130	Sun	Russian diplo/intel. File 04431 (1088 bytes)	FSK 200/1000	(AB/RL)
G06	6887	13-8	1828	Thu	842 270 42 63322 78958 01250 ... 45947 44298 18596 270 42 00000 Windows XP shutdown sound	USB	(AB-POL/MPJ)
G06	5936	14-8	1930	Fri	??? 270 42 63322 78958 01250 ... 45947 44298 18596 270 42 00000 Windows XP shutdown sound	USB	(AB-POL)
G06	6887	27-8	1830	Thu	842 458 45 32658 75457 02156 ... 12512 73325 38457 458 45 00000 Windows XP shut down sound	USB	(MPJ)
G06	5935	28-8	1927	Fri	218 458 45 32658 75457 02156 ... 12512 73325 38457 458 45 00000	USB	(AB)
HM01	13435	1-8	0658	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	1-8	0800	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	1-8	1600	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11530	2-8	1700	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	2-8	2058	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	2-8	2158	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	3-8	0700	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	3-8	1600	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	10715	3-8	2158	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11530	4-8	1700	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11530	5-8	1700	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	5-8	2058	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	6-8	1600	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	16180	6-8	2058	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)

HM01	9065	7-8	0758	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	7-8	1630	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	7-8	2058	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	7-8	2158	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	8-8	1630	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	9330	9-8	0658	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	9-8	0758	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	9-8	1630	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	10715	9-8	2158	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	10-8	0700	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	10-8	0828	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	10-8	0858	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Should be on 9240 kHz	AM/RDFT	(AB)
HM01	9065	10-8	0958	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Should be on 9155 kHz	AM/RDFT	(AB)
HM01	11435	10-8	1630	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	10-8	2058	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	10-8	2100	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(Dan)
HM01	10715	10-8	2158	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	11-8	1600	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	16180	11-8	2058	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11635	12-8	1800	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	10715	12-8	2058	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11635	12-8	2100	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(Dan)
HM01	11635	13-8	0758	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11635	13-8	0858	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Switches to 11462 kHz at 0901 UTC	AM/RDFT	(AB)
HM01	11462	13-8	0901	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	12180	13-8	0958	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	13-8	1600	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	16180	13-8	2058	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	17480	13-8	2158	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	14-8	0658	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9330	14-8	0758	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	11435	14-8	1600	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	14-8	2058	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11635	14-8	2158	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April). Should be on 10715 kHz, switched at 2208 UTC	AM/RDFT	(RL)
HM01	10715	14-8	2208	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April). Comes from 11635 kHz	AM/RDFT	(RL)
HM01	11435	15-8	1630	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	17480	15-8	2158	Sat	Carrier till 2207 UTC. Groups already in progress 01441 68532 35731 30038 48409 70208	AM/RDFT	(RL)
HM01	10860	16-8	0500	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9330	16-8	0658	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	16-8	0758	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11530	16-8	1700	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	10715	16-8	2158	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	17-8	0658	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	17-8	0758	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)

HM01	9240	17-8	0858	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9155	17-8	0958	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	17-8	1610	Mon	Up late and already in progress 01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	17-8	2058	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11635	17-8	2158	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Should be on 10715 kHz. Moved after 2 minutes	AM/RDFT	(RL)
HM01	10715	17-8	2200	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	18-8	1600	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	17480	18-8	2158	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	19-8	0658	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11635	19-8	1800	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	19-8	2058	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	19-8	2158	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	19-8	2200	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(Dan)
HM01	11435	20-8	1600	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	9330	21-8	0658	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	21-8	0758	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	21-8	1600	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11435	22-8	1600	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	17480	22-8	2159	Sat	Carrier only	AM	(RL)
HM01	9330	23-8	0658	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9330	23-8	0758	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	10715	23-8	1058	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL/Dan)
HM01	11435	23-8	1600	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	23-8	2058	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	24-8	0658	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	24-8	1630	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11530	25-8	1700	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	17480	25-8	2158	Tue	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	26-8	1600	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	26-8	2058	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	26-8	2158	Wed	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	11435	27-8	1600	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	16180	27-8	2100	Thu	01441 68532 35731 30038 48409 70208 in progress (repeat of 3 April)	AM/RDFT	(RL)
HM01	17480	27-8	2158	Thu	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	9330	28-8	0658	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	9065	28-8	0758	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	28-8	1600	Fri	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11530	29-8	1700	Sat	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	9330	30-8	0658	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11530	30-8	1730	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)
HM01	11635	30-8	2058	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RL)
HM01	10715	30-8	2200	Sun	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(Dan)
HM01	9330	31-8	0658	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(AB)
HM01	11435	31-8	1600	Mon	01441 68532 35731 30038 48409 70208 (repeat of 3 April)	AM/RDFT	(RR2)

M01	6435	1-8	1500	Sat	025 297 297 30 30 == 16686 51436 46242 ... 53476 21498 17983 == 297 297 30 30 000	CW	(AB-RUS/MPJ-RUS)
M01	6780	2-8	0700	Sun	025 418 418 30 30 == 10524 31132 06494 ... 34491 78455 48460 == 418 418 30 30 000	CW	(AB)
M01	5280	4-8	1800	Tue	025 137 137 30 30 == 76693 68828 94532 ... 15397 53404 89304 == 137 373 30 30 000	CW	(AB-FIN)
M01	4905	4-8	2000	Tue	025 570 570 30 30 == 43339 35033 31380 ... 12420 32825 19856 == 570 570 30 30 000	CW	(AB-FIN/MPJ)
M01	5280	6-8	1800	Thu	025 (R) 5 minutes pause 44195 0 EEEEE 025 025 742 742 30 30 == 44195 94708 60638 ... 56132 45139 44630 == 742 742 30 30 000	CW	(AB-FIN/MPJ)
M01	4905	6-8	2000	Thu	025 784 784 30 30 == 95422 23535 41567 ... 83177 19441 86082 == 784 784 30 30 000	CW	(AB-FIN)
M01	6435	8-8	1500	Sat	025 319 319 30 30 == 28859 11257 69607 ... 06244 06088093 (seemed like) == 319 319 30 30 000	CW	(MPJ-HNG)
M01	6780	9-8	0700	Sun	025 290 290 30 30 == 31983 17525 81705 ... 97033 18906 21215 == 290 290 30 30 000	CW	(AB)
M01	5280	11-8	1800	Tue	025 853 853 = 30 30 == 29582 18968 64590 ... 90644 05137 05092 = 853 853 = 30 30 000	CW	(AB-FIN/MPJ)
M01	4905	11-8	2000	Tue	025 344 344 = 30 30 == 93239 61235 99405 ... 70594 42927 85062 = 344 344 = 30 30 000	CW	(AB-FIN)
M01	5280	13-8	1800	Thu	025 250 250 ..25 478 (faded) == 30 30 == 71823 78416 31154 ... 49152 95100 40447 = 478 478 = 30 30 000	CW	(MPJ-HNG)
M01	6435	15-8	1500	Sat	025 521 521 = 30 30 == 79889 88335 15260 ... 72070 35970 99047 = 521 521 = 30 30 000	CW	(AB/MPJ)
M01	6780	16-8	0700	Sun	025 234 234 30 30 == 01379 64110 15519 ... 75503 37605 50047 = 234 234 30 30 000	CW	(AB)
M01	5280	18-8	1800	Tue	025 732 732 30 30 == 06097 37319 56384 ...58572 97847 03089 = 732 732 30 30 000	CW	(AB-FIN/MPJ)
M01	5280	20-8	1800	Thu	Active but uncopyable	CW	(MPJ)
M01	4905	20-8	2000	Thu	025 654 654 30 30 == = 45217 16960 26744 ... 65226 90025 68601 = 654 654 30 30 000	CW	(AB)
M01	6435	22-8	1500	Sat	025 831 831 30 30 == 74109 23107 31683 ... 35880 53307 35500 == 931 931 30 30 000	CW	(MPJ)
M01	5280	27-8	1800	Thu	025 542 542 = = 30 30 = = 21220 27564 uncopyable	CW	(MPJ)
M01	4905	27-8	2000	Thu	025 233 233 = 30 30 = = 19022 06713 90246 ... 76148 76913 82304 = = 233 233 = 30 30 000	CW	(AB)
M01	6435	29-8	1500	Sat	025 324 324 30 30 = = 50765 33459 11521 ... 53601 00331 38839 = = 324 324 30 30 000	CW	(AB-FIN/MPJ)
M01	6780	30-8	0700	Sun	025 531 531 30 30 = = 42097 95925 48811 ... 09870 10201 65656 = = 531 531 30 30 000	CW	(AB)
M01a	5781	20-8	1040	Thu	345 345 345 94417 94417	CW	(Gwr)
M12	10314	1-8	2100	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/HFD)
M12	9114	1-8	2120	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/HFD)
M12	8014	1-8	2140	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/HFD)
M12	9052	1-8	2210	Sat	992 992 992 1 8371 102 8371 102 65869 54701 47029 ... 36340 48246 000	CW	(AB/RL)
M12	8052	1-8	2230	Sat	992 992 992 1 8371 102 8371 102 65869 54701 47029 ... 36340 48246 000	CW	(AB/RL)
M12	6952	1-8	2250	Sat	992 992 992 1 8371 102 8371 102 65869 54701 47029 ... 36340 48246 000	CW	(AB/RL)
M12	10662.8	2-8	0520	Sun	374 374 374 000 Spur of 10714 kHz	CW	(AB)
M12	14681	2-8	1600	Sun	683 683 683 1 4784 140 4784 140 90145 49582 58766 ... 86189 28907 63851 000 000	CW	(AB/HFD)
M12	13881	2-8	1620	Sun	683 683 683 1 4784 140 4784 140 90145 49582 58766 ... 86189 28907 63851 000 000	CW	(AB/HFD)
M12	13381	2-8	1640	Sun	683 683 683 1 4784 140 4784 140 90145 49582 58766 ... 86189 28907 63851 000 000	CW	(AB/HFD)
M12	12148	3-8	2000	Mon	374 374 374 000	CW	(AB/RL/HFD)
M12	10648	3-8	2020	Mon	374 374 374 000	CW	(AB/RL/HFD)
M12	12214	3-8	2110	Mon	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL/HFD)
M12	11014	3-8	2130	Mon	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL/HFD)
M12	9914	3-8	2150	Mon	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL/HFD)
M12	9314	4-8	0500	Tue	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB)
M12	10714	4-8	0520	Tue	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB)
M12	9317	4-8	0530	Tue	135 135 135 1 1223 112 1223 112 70800 44987 73611 ... 82277 39066 24481 000 000	CW	(AB)
M12	11414	4-8	0540	Tue	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB)
M12	10484	4-8	0550	Tue	135 135 135 1 1223 112 1223 112 70800 44987 73611 ... 82277 39066 24481 000 000	CW	(AB)
M12	11552	4-8	0610	Tue	135 135 135 1 1223 112 1223 112 70800 44987 73611 ... 82277 39066 24481 000 000	CW	(AB)

M12	11148	4-8	0700	Tue	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS/HFD-J)
M12	10648	4-8	0720	Tue	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS/HFD-J)
M12	9148	4-8	0740	Tue	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS/HFD)
M12	12178	5-8	1210	Wed	155 155 155 000	CW	(AB/MPJ/HFD)
M12	11578	5-8	1230	Wed	155 155 155 000	CW	(AB/MPJ/HFD)
M12	14681	5-8	1600	Wed	683 683 683 000	CW	(AB/MPJ)
M12	13881	5-8	1620	Wed	683 683 683 000	CW	(AB/MPJ)
M12	12162	5-8	1710	Wed	546 546 546 1 5631 105 5631 105 37461 43302 93643 ... 78055 66670 82903 000 000	CW	(AB)
M12	11566	5-8	1730	Wed	546 546 546 1 5631 105 5631 105 37461 43302 93643 ... 78055 66670 82903 000 000	CW	(AB)
M12	10711	5-8	1750	Wed	546 546 546 1 5631 105 5631 105 37461 43302 93643 ... 78055 66670 82903 000 000	CW	(AB)
M12	11435	5-8	1810	Wed	938 938 938 1 4722 70 4722 70 81164 35491 16249 ... 98191 06612 000 000	CW	(AB/MPJ)
M12	10598	5-8	1830	Wed	938 938 938 1 4722 70 4722 70 81164 35491 16249 ... 98191 06612 000 000	CW	(AB/MPJ)
M12	9327	5-8	1850	Wed	938 938 938 1 4722 70 4722 70 81164 35491 16249 ... 98191 06612 000 000	CW	(AB/MPJ)
M12	16148	5-8	1950	Wed	174 174 174 000	CW	(AB/RL/HFD)
M12	14748	5-8	2010	Wed	174 174 174 000	CW	(AB/RL/HFD)
M12	9052	5-8	2210	Wed	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL)
M12	8052	5-8	2230	Wed	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL)
M12	6952	5-8	2250	Wed	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL)
M12	11148	6-8	0700	Thu	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS)
M12	10648	6-8	0720	Thu	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS)
M12	9148	6-8	0740	Thu	161 161 161 1 575 98 575 98 61960 26445 90883 ... 61720 87826 55957 000 000	CW	(AB-RUS)
M12	12162	6-8	1700	Thu	546 546 546 1 6364 110 6364 110 72938 42556 61098 ... 37528 66273 95650 000 000	CW	(AB)
M12	11566	6-8	1720	Thu	546 546 546 1 6364 110 6364 110 72938 42556 61098 ... 37528 66273 95650 000 000	CW	(AB)
M12	10711	6-8	1740	Thu	546 546 546 1 6364 110 6364 110 72938 42556 61098 ... 37528 66273 95650 000 000	CW	(AB)
M12	12162	6-8	1800	Thu	546 546 546 1 8363 112 8363 112 11148 26852 31393 ... 98203 97534 15191 000 000	CW	(AB)
M12	11566	6-8	1820	Thu	546 546 546 1 8363 112 8363 112 11148 26852 31393 ... 98203 97534 15191 000 000	CW	(AB)
M12	10711	6-8	1840	Thu	546 546 546 1 8363 112 8363 112 11148 26852 31393 ... 98203 97534 15191 000 000	CW	(AB)
M12	12148	6-8	2000	Thu	374 374 374 000	CW	(AB/RL)
M12	14377	6-8	2000	Thu	317 317 317 1 1525 101 1525 101 85810 12038 72175 ... 87426 19491 35490 000 000	CW	(AB-RUS)
M12	10648	6-8	2020	Thu	374 374 374 000	CW	(AB/RL)
M12	12461	6-8	2020	Thu	317 317 317 1 1525 101 1525 101 85810 12038 72175 ... 87426 19491 35490 000 000	CW	(AB-RUS)
M12	12144	6-8	2040	Thu	317 317 317 1 1525 101 1525 101 85810 12038 72175 ... 87426 19491 35490 000 000	CW	(AB-RUS)
M12	12214	6-8	2110	Thu	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL)
M12	11014	6-8	2130	Thu	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL)
M12	9914	6-8	2150	Thu	209 209 209 1 433 84 433 84 44915 86059 43382 ... 45831 72646 01158 000 000	CW	(AB/RL)
M12	6784	7-8	0030	Fri	713 713 713 1 674 111 674 111 88727 06757 38106 ... 26314 29119 47963 000 000	CW	(AB/Danix)
M12	8184	7-8	0050	Fri	713 713 713 1 674 111 674 111 88727 06757 38106 ... 26314 29119 47963 000 000	CW	(Danix)
M12	9342	7-8	0110	Fri	713 713 713 1 674 111 674 111 88727 06757 38106 ... 26314 29119 47963 000 000	CW	(Danix)
M12	12163	7-8	0210	Fri	114 114 114 1 7126 70 7126 70 50965 03152 98540 ... 68580 34466 10476	CW	(Danix-RUS)
M12	11163	7-8	0230	Fri	114 114 114 1 7126 70 7126 70 50965 03152 98540 ... 68580 34466 10476	CW	(Danix-RUS)
M12	10463	7-8	0250	Fri	114 114 114 1 7126 70 7126 70 50965 03152 98540 ... 68580 34466 10476	CW	(Danix-RUS)
M12	12178	7-8	1210	Fri	155 155 155 000	CW	(AB/MPJ)
M12	11578	7-8	1230	Fri	155 155 155 000	CW	(AB/MPJ)
M12	16148	7-8	1950	Fri	174 174 174 000	CW	(AB/RL)

M12	14748	7-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	10314	7-8	2100	Fri	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB)
M12	9114	7-8	2120	Fri	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB)
M12	8014	7-8	2140	Fri	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB)
M12	10314	8-8	2100	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/RL)
M12	9114	8-8	2120	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/RL)
M12	8014	8-8	2140	Sat	310 310 310 1 542 45 542 45 06829 41062 46424 ... 04000 30637 69681 000 000	CW	(AB/RL)
M12	9052	8-8	2210	Sat	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL/HFD)
M12	8052	8-8	2230	Sat	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL/HFD)
M12	6952	8-8	2250	Sat	992 992 992 1 708 80 708 80 56830 57973 06861 ... 99205 07398 69552 000 000	CW	(AB/RL/HFD)
M12	9314	9-8	0500	Sun	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB/HFD)
M12	10714	9-8	0520	Sun	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB/HFD)
M12	11414	9-8	0540	Sun	374 374 374 1 262 94 262 94 27203 86903 33095... 98751 66438 13359 000 000	CW	(AB/HFD)
M12	14681	9-8	1600	Sun	683 683 683 000	CW	(AB/MPJ)
M12	13881	9-8	1620	Sun	683 683 683 000	CW	(AB/MPJ)
M12	12163	10-8	0210	Mon	114 114 114 1 8040 86 8040 86 95144 23675 84942 ... 94861 52827 13513 000 000	CW	(Danix-RUS/HFD)
M12	11163	10-8	0230	Mon	114 114 114 1 8040 86 8040 86 95144 23675 84942 ... 94861 52827 13513 000 000	CW	(Danix-RUS/HFD)
M12	10463	10-8	0250	Mon	114 114 114 1 8040 86 8040 86 95144 23675 84942 ... 94861 52827 13513 000 000	CW	(Danix-RUS/HFD)
M12	12148	10-8	2000	Mon	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	10648	10-8	2020	Mon	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	9148	10-8	2040	Mon	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	12214	10-8	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	10-8	2130	Mon	209 209 209 000	CW	(AB/RL)
M12	6784	11-8	0030	Tue	713 713 713 000	CW	(AB)
M12	8184	11-8	0050	Tue	713 713 713 000	CW	(AB)
M12	9314	11-8	0500	Tue	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	10714	11-8	0520	Tue	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	9317	11-8	0530	Tue	135 135 135 1 7092 113 7092 113 63037 87235 85343 ... 45357 04277 50450 000 000	CW	(AB)
M12	11414	11-8	0540	Tue	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	10484	11-8	0550	Tue	135 135 135 1 7092 113 7092 113 63037 87235 85343 ... 45357 04277 50450 000 000	CW	(AB)
M12	11552	11-8	0610	Tue	135 135 135 1 7092 113 7092 113 63037 87235 85343 ... 45357 04277 50450 000 000	CW	(AB)
M12	11148	11-8	0700	Tue	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	10648	11-8	0720	Tue	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	9148	11-8	0740	Tue	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	12178	12-8	1210	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	11578	12-8	1230	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	10578	12-8	1250	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	14681	12-8	1600	Wed	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB/MPJ)
M12	13881	12-8	1620	Wed	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB/MPJ)
M12	13381	12-8	1640	Wed	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB/MPJ)
M12	12162	12-8	1710	Wed	546 546 546 1 7450 107 7450 107 57924 35301 01772 ... 66764 03624 85747 000 000	CW	(AB)
M12	11566	12-8	1730	Wed	546 546 546 1 7450 107 7450 107 57924 35301 01772 ... 66764 03624 85747 000 000	CW	(AB)
M12	10711	12-8	1750	Wed	546 546 546 1 7450 107 7450 107 57924 35301 01772 ... 66764 03624 85747 000 000	CW	(AB)
M12	11435	12-8	1810	Wed	938 938 938 1 3332 72 3332 72 20942 51123 40488 ... 95976 04572 11132 000 000	CW	(AB/MPJ)

M12	10598	12-8	1830	Wed	938 938 938 1 3332 72 3332 72 20942 51123 40488 ... 95976 04572 11132 000 000	CW	(AB/MPJ)
M12	9327	12-8	1850	Wed	938 938 938 1 3332 72 3332 72 20942 51123 40488 ... 95976 04572 11132 000 000	CW	(AB/MPJ)
M12	16148	12-8	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	12-8	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	9052	12-8	2210	Wed	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	8052	12-8	2230	Wed	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	6952	12-8	2250	Wed	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	11148	13-8	0700	Thu	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	10648	13-8	0720	Thu	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	9148	13-8	0740	Thu	161 161 161 1 226 24 226 24 63476 45563 41273 ... 19993 90600 72183 000 000	CW	(AB-RUS)
M12	12162	13-8	1700	Thu	546 546 546 1 6350 104 6350 104 81669 90985 92311 ... 69467 07234 77715 000 000	CW	(AB)
M12	11566	13-8	1720	Thu	546 546 546 1 6350 104 6350 104 81669 90985 92311 ... 69467 07234 77715 000 000	CW	(AB)
M12	10711	13-8	1740	Thu	546 546 546 1 6350 104 6350 104 81669 90985 92311 ... 69467 07234 77715 000 000	CW	(AB)
M12	12162	13-8	1800	Thu	546 546 546 1 1671 111 1671 111 52854 87413 67427 ... 92719 12858 77386 000 000	CW	(AB/MPJ)
M12	11566	13-8	1820	Thu	546 546 546 1 1671 111 1671 111 52854 87413 67427 ... 92719 12858 77386 000 000	CW	(AB/MPJ)
M12	10711	13-8	1840	Thu	546 546 546 1 1671 111 1671 111 52854 87413 67427 ... 92719 12858 77386 000 000	CW	(AB/MPJ)
M12	12148	13-8	2000	Thu	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	14377	13-8	2000	Thu	317 317 317 1 4344 101 4344 101 72438 60460 16883 ... 16165 52021 33331 000 000	CW	(AB)
M12	10648	13-8	2020	Thu	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	13461	13-8	2020	Thu	317 317 317 1 4344 101 4344 101 72438 60460 16883 ... 16165 52021 33331 000 000	CW	(AB)
M12	12114	13-8	2040	Thu	317 317 317 1 4344 101 4344 101 72438 60460 16883 ... 16165 52021 33331 000 000	CW	(AB)
M12	9148	13-8	2040	Thu	374 374 374 1 3884 125 3884 125 45150 84989 71758 ... 92074 57940 44398 000 000	CW	(AB/RL)
M12	12214	13-8	2110	Thu	209 209 209 000	CW	(AB/RL)
M12	11014	13-8	2130	Thu	209 209 209 000	CW	(AB/RL)
M12	6784	14-8	0030	Fri	713 713 713 000	CW	(AB)
M12	8184	14-8	0050	Fri	713 713 713 000	CW	(AB)
M12	12178	14-8	1210	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	11578	14-8	1230	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	10578	14-8	1250	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	16148	14-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	14-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	10314	14-8	2100	Fri	310 1 6710 67 82467 01592 48402 10789 62616...65311 16666 74689 86641 95783 000 000	CW	(RL)
M12	9114	14-8	2120	Fri	310 1 6710 67 82467 01592 48402 10789 62616...65311 16666 74689 86641 95783 000 000	CW	(RL)
M12	8014	14-8	2140	Fri	310 1 6710 67 82467 01592 48402 10789 62616...65311 16666 74689 86641 95783 000 000	CW	(RL)
M12	10314	15-8	2100	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	9114	15-8	2120	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	8014	15-8	2140	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	9052	15-8	2210	Sat	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	8052	15-8	2230	Sat	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	6952	15-8	2250	Sat	992 992 992 1 1971 88 1971 88 54522 57378 06930 ... 49987 06497 70610 000 000	CW	(AB/RL)
M12	9314	16-8	0500	Sun	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	10714	16-8	0520	Sun	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	11414	16-8	0540	Sun	374 374 374 1 656 77 656 77 07478 73031 99638 ... 57996 59521 95413 000 000	CW	(AB)
M12	14681	16-8	1600	Sun	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB)

M12	13881	16-8	1620	Sun	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB)
M12	13381	16-8	1640	Sun	683 683 683 1 671 143 671 143 71013 36589 54162 ... 24040 97699 94012 000 000	CW	(AB)
M12	12163	17-8	0210	Mon	114 114 114 1 102 188 102 188 49200 37700 58973 ... 53952 22929 72757 000 000	CW	(Danix-RUS)
M12	11163	17-8	0230	Mon	114 114 114 1 102 188 102 188 49200 37700 58973 ... 53952 22929 72757 000 000	CW	(Danix-RUS)
M12	10463	17-8	0250	Mon	114 114 114 1 102 188 102 188 49200 37700 58973 ... 53952 22929 72757 000 000	CW	(Danix-RUS)
M12	12148	17-8	2000	Mon	374 374 374 000	CW	(AB/RL)
M12	10648	17-8	2020	Mon	374 374 374 000	CW	(AB/RL)
M12	12214	17-8	2110	Mon	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	11014	17-8	2130	Mon	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	9914	17-8	2150	Mon	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	6784	18-8	0030	Tue	713 713 713 000	CW	(AB)
M12	8184	18-8	0050	Tue	713 713 713 000	CW	(AB)
M12	9314	18-8	0500	Tue	374 374 374 000	CW	(AB)
M12	10714	18-8	0520	Tue	374 374 374 000	CW	(AB)
M12	9317	18-8	0530	Tue	135 135 315 1 1665 104 1665 104 33748 13259 28537 ... 27637 30105 91179 000 000	CW	(AB)
M12	10484	18-8	0550	Tue	135 135 315 1 1665 104 1665 104 33748 13259 28537 ... 27637 30105 91179 000 000	CW	(AB)
M12	11552	18-8	0610	Tue	135 135 315 1 1665 104 1665 104 33748 13259 28537 ... 27637 30105 91179 000 000	CW	(AB)
M12	11148	18-8	0700	Tue	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	10648	18-8	0720	Tue	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	9148	18-8	0740	Tue	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	12178	19-8	1210	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	11578	19-8	1230	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	10578	19-8	1250	Wed	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB/MPJ)
M12	14681	19-8	1600	Wed	683 683 683 000	CW	(AB/MPJ)
M12	13881	19-8	1620	Wed	683 683 683 000	CW	(AB/MPJ)
M12	12162	19-8	1710	Wed	546 546 546 1 5978 111 5978 111 88315 64840 01034 ... 59953 37264 18280 000 000	CW	(AB)
M12	11566	19-8	1730	Wed	546 546 546 1 5978 111 5978 111 88315 64840 01034 ... 59953 37264 18280 000 000	CW	(AB)
M12	10711	19-8	1750	Wed	546 546 546 1 5978 111 5978 111 88315 64840 01034 ... 59953 37264 18280 000 000	CW	(AB)
M12	11435	19-8	1810	Wed	938 938 938 1 7133 73 7133 73 46193 09568 29563 ... 00253 99837 74576 000 000	CW	(AB/MPJ)
M12	10598	19-8	1830	Wed	938 938 938 1 7133 73 7133 73 46193 09568 29563 ... 00253 99837 74576 000 000	CW	(AB/MPJ)
M12	9327	19-8	1850	Wed	938 938 938 1 7133 73 7133 73 46193 09568 29563 ... 00253 99837 74576 000 000	CW	(AB/MPJ)
M12	16148	19-8	1950	Wed	174 174 174 000	CW	(AB/RL/Dan)
M12	14748	19-8	2010	Wed	174 174 174 000	CW	(AB)
M12	9052	19-8	2210	Wed	992 992 992 1 570 106 570 106 80964 92441 80156 ... 28920 51182 83201 000 000	CW	(AB/RL)
M12	8052	19-8	2230	Wed	992 992 992 1 570 106 570 106 80964 92441 80156 ... 28920 51182 83201 000 000	CW	(AB/RL)
M12	6952	19-8	2250	Wed	992 992 992 1 570 106 570 106 80964 92441 80156 ... 28920 51182 83201 000 000	CW	(AB/RL)
M12	11148	20-8	0700	Thu	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	10648	20-8	0720	Thu	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	9148	20-8	0740	Thu	161 161 161 1 254 194 254 194 09723 94214 66567 ... 11952 28522 32908 000 000	CW	(AB-RUS)
M12	12162	20-8	1700	Thu	546 546 546 1 6703 106 6703 106 39710 37018 13677 ... 09804 26373 86251 000 000	CW	(AB)
M12	11566	20-8	1720	Thu	546 546 546 1 6703 106 6703 106 39710 37018 13677 ... 09804 26373 86251 000 000	CW	(AB)
M12	10711	20-8	1740	Thu	546 546 546 1 6703 106 6703 106 39710 37018 13677 ... 09804 26373 86251 000 000	CW	(AB)
M12	12162	20-8	1800	Thu	546 546 546 1 9703 110 9703 110 94754 78508 87548 ... 43170 97603 14636 000 000	CW	(AB)
M12	11566	20-8	1820	Thu	546 546 546 1 9703 110 9703 110 94754 78508 87548 ... 43170 97603 14636 000 000	CW	(AB)

M12	10711	20-8	1840	Thu	546 546 546 1 9703 110 9703 110 94754 78508 87548 ... 43170 97603 14636 000 000	CW	(AB)
M12	14377	20-8	2000	Thu	317 317 317 1 1794 109 1794 109 10112 73813 76725 ... 70831 24276 87716 000 000	CW	(AB)
M12	12148	20-8	2000	Thu	374 374 374 000	CW	(AB)
M12	13461	20-8	2020	Thu	317 317 317 1 1794 109 1794 109 10112 73813 76725 ... 70831 24276 87716 000 000	CW	(AB)
M12	10648	20-8	2020	Thu	374 374 374 000	CW	(AB)
M12	12114	20-8	2040	Thu	317 317 317 1 1794 109 1794 109 10112 73813 76725 ... 70831 24276 87716 000 000	CW	(AB)
M12	12214	20-8	2110	Thu	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	11014	20-8	2130	Thu	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	9914	20-8	2150	Thu	209 209 209 1 788 71 788 71 21719 48229 84067 ... 83698 90413 73100 000 000	CW	(AB)
M12	8184	21-8	0050	Fri	713 713 713 000	CW	(AB)
M12	8184	21-8	0050	Fri	713 713 713 000	CW	(AB)
M12	6784	21-8	0050	Fri	713 713 713 000	CW	(AB)
M12	6784	21-8	0050	Fri	713 713 713 000	CW	(AB)
M12	12178	21-8	1210	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	11578	21-8	1230	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	10578	21-8	1250	Fri	155 155 155 1 3302 75 3302 75 15168 12216 49245 ... 85303 00458 60812 000 000	CW	(AB)
M12	16148	21-8	1950	Fri	174 174 174 000	CW	(AB)
M12	14748	21-8	2010	Fri	174 174 174 000	CW	(AB)
M12	10314	21-8	2100	Fri	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB)
M12	9114	21-8	2120	Fri	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB)
M12	8014	21-8	2140	Fri	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB)
M12	10314	22-8	2100	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	9114	22-8	2120	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	8014	22-8	2140	Sat	310 310 310 1 6710 67 6710 67 82467 01592 48402 ... 74689 86641 95783 000 000	CW	(AB/RL)
M12	9052	22-8	2210	Sat	992 1 570 106 80964 92441 80156 78774 06040 ... 55175 75088 28920 51182 83201 000 000	CW	(RL)
M12	8052	22-8	2230	Sat	992 1 570 106 80964 92441 80156 78774 06040 ... 55175 75088 28920 51182 83201 000 000	CW	(RL)
M12	6952	22-8	2250	Sat	992 1 570 106 80964 92441 80156 78774 06040 ... 55175 75088 28920 51182 83201 000 000	CW	(RL)
M12	9314	23-8	0500	Sun	374 374 374 000	CW	(AB)
M12	10714	23-8	0520	Sun	374 374 374 000	CW	(AB)
M12	14681	23-8	1600	Sun	683 683 683 000	CW	(AB/MPJ)
M12	13881	23-8	1620	Sun	683 683 683 000	CW	(AB/MPJ)
M12	12148	24-8	2000	Mon	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	10648	24-8	2020	Mon	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	9148	24-8	2040	Mon	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	12214	24-8	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	24-8	2130	Mon	209 209 209 000	CW	(AB/RL)
M12	6784	25-8	0030	Tue	713 713 713 2324 91 2324 91 66612 45138 64743 ... 35942 89436 57356 000 000	CW	(AB)
M12	8184	25-8	0050	Tue	713 713 713 2324 91 2324 91 66612 45138 64743 ... 35942 89436 57356 000 000	CW	(AB)
M12	9314	25-8	0110	Tue	713 713 713 2324 91 2324 91 66612 45138 64743 ... 35942 89436 57356 000 000	CW	(AB)
M12	9314	25-8	0500	Tue	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	10714	25-8	0520	Tue	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	9317	25-8	0530	Tue	135 135 135 1 3679 108 3679 108 22244 93370 06129 ... 54985 50463 63705 000 000	CW	(AB)
M12	11414	25-8	0540	Tue	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	10484	25-8	0550	Tue	135 135 135 1 3679 108 3679 108 22244 93370 06129 ... 54985 50463 63705 000 000	CW	(AB)

M12	11552	25-8	0610	Tue	135 135 135 1 3679 108 3679 108 22244 93370 06129 ... 54985 50463 63705 000 000	CW	(AB)
M12	11148	25-8	0700	Tue	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	10648	25-8	0720	Tue	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	9148	25-8	0740	Tue	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	12178	26-8	1210	Wed	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB)
M12	11578	26-8	1230	Wed	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB)
M12	10578	26-8	1250	Wed	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB)
M12	14681	26-8	1600	Wed	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	13881	26-8	1620	Wed	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	13381	26-8	1640	Wed	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	11435	26-8	1810	Wed	938 1 5707 71 Ü4333 (!) 76910 89281 ... 58474 77920 66958 000 000	CW	(MPJ)
M12	10598	26-8	1830	Wed	938 1 5707 71 Ü4333 (!) 76910 89281 ... 58474 77920 66958 000 000	CW	(MPJ)
M12	9327	26-8	1850	Wed	938 1 5707 71 Ü4333 (!) 76910 89281 ... 58474 77920 66958 000 000	CW	(MPJ)
M12	16148	26-8	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	26-8	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	9052	26-8	2210	Wed	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	8052	26-8	2230	Wed	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	6952	26-8	2250	Wed	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	11148	27-8	0700	Thu	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	10648	27-8	0720	Thu	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	9148	27-8	0740	Thu	161 161 161 1 422 162 422 162 69911 73204 87474 ... 61255 68061 05123 000 000	CW	(AB-RUS)
M12	12162	27-8	1700	Thu	546 546 546 1 4052 109 4052 109 24330 70456 43791 ... 11205 97273 34273 000 000	CW	(AB)
M12	11566	27-8	1720	Thu	546 546 546 1 4052 109 4052 109 24330 70456 43791 ... 11205 97273 34273 000 000	CW	(AB)
M12	10711	27-8	1740	Thu	546 546 546 1 4052 109 4052 109 24330 70456 43791 ... 11205 97273 34273 000 000	CW	(AB)
M12	12162	27-8	1800	Thu	546 546 546 1 8300 112 8300 112 34927 16075 74641 ... 19675 45378 12097 000 000	CW	(AB)
M12	11566	27-8	1820	Thu	546 546 546 1 8300 112 8300 112 34927 16075 74641 ... 19675 45378 12097 000 000	CW	(AB)
M12	10711	27-8	1840	Thu	546 546 546 1 8300 112 8300 112 34927 16075 74641 ... 19675 45378 12097 000 000	CW	(AB)
M12	14377	27-8	2000	Thu	317 317 317 1 3201 103 3201 103 74730 71063 67084 ... 53974 27930 93251 000 000	CW	(AB)
M12	12148	27-8	2000	Thu	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	13461	27-8	2020	Thu	317 317 317 1 3201 103 3201 103 74730 71063 67084 ... 53974 27930 93251 000 000	CW	(AB)
M12	10648	27-8	2020	Thu	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	12114	27-8	2040	Thu	317 317 317 1 3201 103 3201 103 74730 71063 67084 ... 53974 27930 93251 000 000	CW	(AB)
M12	9148	27-8	2040	Thu	374 374 374 1 9760 93 9760 93 56764 34899 72822 ... 81325 84441 89654 000 000	CW	(AB/RL)
M12	12214	27-8	2110	Thu	209 209 209 000	CW	(RL)
M12	11014	27-8	2130	Thu	209 209 209 000	CW	(AB/RL)
M12	12178	28-8	1210	Fri	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB/MPJ)
M12	11578	28-8	1230	Fri	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB/MPJ)
M12	10578	28-8	1250	Fri	155 155 155 1 7213 20 7213 20 94651 71345 32633 ... 83398 01340 04505 000 000	CW	(AB/MPJ)
M12	16148	28-8	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	28-8	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	10314	28-8	2100	Fri	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)
M12	9114	28-8	2120	Fri	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)
M12	8014	28-8	2140	Fri	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)
M12	10314	29-8	2100	Sat	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)

M12	9114	29-8	2120	Sat	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)
M12	8014	29-8	2140	Sat	310 310 310 1 6152 123 6142 123 61221 01943 25814 ... 16053 81469 49708 000 000	CW	(AB/RL)
M12	9052	29-8	2210	Sat	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	8052	29-8	2230	Sat	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	6952	29-8	2250	Sat	992 992 992 1 598 142 598 142 66470 36455 04414 ... 96263 50563 79116 000 000	CW	(AB/RL)
M12	9314	30-8	0500	Sun	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	10714	30-8	0520	Sun	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	11414	30-8	0540	Sun	374 374 374 1 1283 131 1283 131 76727 38107 48176 ... 47729 61119 31653 000 000	CW	(AB)
M12	14681	30-8	1600	Sun	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	13881	30-8	1620	Sun	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	13381	30-8	1640	Sun	683 683 683 1 6251 85 6251 85 18054 81420 04358 ... 00110 53937 53217 000 000	CW	(AB/MPJ)
M12	14377	31-8	1300	Mon	317 317 317 1 8373 103 8373 103 60990 35460 98982 ... 09251 34434 53174 000 000	CW	(AB)
M12	13461	31-8	1320	Mon	317 317 317 1 8373 103 8373 103 60990 35460 98982 ... 09251 34434 53174 000 000	CW	(AB)
M12	12114	31-8	1340	Mon	317 317 317 1 8373 103 8373 103 60990 35460 98982 ... 09251 34434 53174 000 000	CW	(AB)
M12	12148	31-8	2000	Mon	374 374 374 000	CW	(AB/RL)
M12	10648	31-8	2020	Mon	374 374 374 000	CW	(AB/RL)
M12	12214	31-8	2110	Mon	209 209 209 1 too weak to copy	CW	(AB)
M12	11014	31-8	2130	Mon	209 209 209 1 too weak to copy	CW	(AB)
M12	9914	31-8	2150	Mon	209 209 209 1 too weak to copy	CW	(AB)
M14	4730	1-8	0800	Sat	523 777 777 30 30 = = 12390 43215 24980 ... 32153 50984 87603 = = 777 777 30 30 00000	MCW	(AB-RUS)
M14	4650	1-8	0900	Sat	523 777 777 30 30 = = 12390 43215 24980 ... 32153 50984 87603 = = 777 777 30 30 00000	MCW	(AB-RUS)
M14	4730	8-8	0800	Sat	523 410 410 35 35 = = 85123 46589 99546 ... 24460 13896 54077 = = 35 35 410 410 = = 00000	MCW	(AB-FIN)
M14	4650	8-8	0900	Sat	523 410 410 35 35 = = 85123 46589 99546 ... 24460 13896 54077 = = 35 35 410 410 = = 00000	MCW	(AB-RUS)
M14	16347	10-8	0930	Mon	617 617 617 00000	CW	(AB)
M14	5933	12-8	1920	Wed	173 (R) 417 (R) 921 921 31 31 = = 97670 76558 64530 ... 13425 34126 54132 = = 31 31 921 921 00000 87	MCW	(AB-POL)
M14	4730	15-8	0800	Sat	523 320 320 30 30 = = 29385 34129 67765 ... 55348 84320 99871 = = 320 320 30 30 00000	MCW	(AB-RUS)
M14	4650	15-8	0900	Sat	523 320 320 30 30 = = 29385 34129 67765 ... 55348 84320 99871 = = 320 320 30 30 00000	MCW	(AB-RUS)
M14	4730	22-8	0800	Sat	523 585 585 32 32 = = 89459 26825 67452 ... 89619 06541 41077 = = 585 585 30 30 00000	MCW	(AB-RUS)
M14	4653	22-8	0900	Sat	523 585 585 32 32 = = 89459 26825 67452 ... 89619 06541 41077 = = 585 585 30 30 00000 Should be on 4650 khz	MCW	(AB-RUS)
M14	16347	25-8	0935	Tue	617 617 617 00000	CW	(AB)
M14	6856	25-8	1820	Tue	163 100 100 32 32 = = 89559 26825 67452 ... 89619 06541 41077 = = 100 100 32 32 00000	MCW	(AB/MPJ)
M14	4727	29-8	0800	Sat	523 571 571 32 32 = = 84726 11890 27466 ... 45354 77410 74530 = = 571 571 32 32 00000	MCW	(AB-FIN)
M14	4663	29-8	0900	Sat	523 571 571 32 32 = = 84726 11890 27466 ... 45354 77410 74530 = = 571 571 32 32 00000	MCW	(AB-RUS)
M21	4789	21-8	1033	Fri	=991333??0?????	CW	(Gwr)
M21	4791	21-8	1604	Fri	=9991908?0????? =9991909?0????? =9991910?0?????	CW	(AB)
M21	3185	25-8	0238	Tue	=990538??8????? =990539??8????? =990540??8?????	CW	(F5JBR)
M21	9144	25-8	0319	Tue	=99?0619?9????? =99?0622?9????? =99?0624?9?????	CW	(F5JBR)
M22	4331	9-8	0251	Sun	VVV 4XZ 4XZ = =	CW	(JLT)
M22	4331	9-8	2143	Sun	VVV 4XZ 4XZ = =	CW	(AB)
M22	4009	13-8	1434	Thu	VVV DE 4XZ 4XZ = =	CW	(AB)
M32	4835	7-8	0734	Fri	REA4: XXX 1QRF 73654 LIKOSLOM 5275 3698 PRIËITANXE 1531 0739 IZOBRAVENXE 9465 1510 K	CW	(F5JBR)
M32	5179	8-8	0555	Sat	XXX TV5L 70119 BOLXChENOGIJ 0192 7319 ANEIMIR 4642 1077 K	CW	(F5JBR)
M32	5179	8-8	0600	Sat	XXX TV5L 81621 INWERTIN 0282 8281 BOGAËKA 7177 0551 DELIKATNYJ 0329 2814 WE_TLXQICA 5239 4730	CW	(F5JBR)

M32	5416	12-8	1335	Wed	XXX XXX ONG4 ONG4 33639 MARSOBROM 7172 0318 K	CW	(Gwr)
M32	5416	12-8	1412	Wed	XXX XXX ONG4 ONG4 96694 AFONIYa 6699 4350 BYTOPISANIE 4510 4921 K	CW	(Gwr)
M32	5416	12-8	1414	Wed	XXX XXX ONG4 ONG4 74163 MILYaGa 8458 1195 K	CW	(Gwr)
M32	5416	12-8	1525	Wed	XXX XXX ONG4 ONG4 91591 ANUSOROST 1004 2222 K	CW	(Gwr)
M32	14108	13-8	0900	Thu	XXX XXX WLHN WLHN 70433 50558 28251 28508 17106 NARDOChATO 5030 9354	CW	(JU)
M32	5360	13-8	1036	Thu	XXX XXX VZFY VZFY 05102 SAKLONENIE 8292 2200 K Squeaky Wheel cw channel, voice was at same time as Pip. Repeat keyed as "TAKLONENIE"	CW	(Gwr)
M32	12593	13-8	1100	Thu	RDL: XXX XXX WEGI WEGI 08083 RASTERZANXE 6195 4034	CW	(JU)
M32	5437	13-8	1101	Thu	XXX XXX WEGI WEGI 08083 RASTERZAN'E 6195 4034 K //5292 kHz	CW	(Gwr)
M32	5292	13-8	1101	Thu	XXX XXX WEGI WEGI 08083 RASTERZAN'E 6195 4034 K //5437 kHz	CW	(Gwr)
M32	4887	13-8	1106	Thu	XXX XXX ANWF ANWF 16563 GREChANKA 2434 5573 K. Buzzer cw channel	CW	(Gwr)
M32	11116	13-8	1115	Thu	RDL: XXX XXX WEGI WEGI 75337 08083 RASTERZANXE 6195 4034	CW	(JU)
M32	11116	13-8	1117	Thu	XXX XXX RDL RDL 21735 58430 PROÍNY 5289 5328	CW	(JU)
M32	5360	14-8	1510	Fri	ZhZFY UTIHANIYe 1839	CW	(Gwr)
M32	5292	17-8	1246	Mon	XXX XXX WEGI WEGI 14199 USOWERH 6272 4805 K //5437 kHz	CW	(Gwr)
M32	5437	17-8	1246	Mon	XXX XXX WEGI WEGI 14199 USOWERH 6272 4805 K //5292 kHz	CW	(Gwr)
M32	4835	17-8	1248	Mon	XXX XXX 1ShchRF 1ShchRF 81012 USOWERH 6272 4805 K	CW	(Gwr)
M32	4847	17-8	1255	Mon	XXX XXX IDGC IDGC 12719 PANOSNOWA 3058 8068 K	CW	(Gwr)
M32	4385	19-8	1505	Wed	XXX XXX QMCK QMCK 36409 APAShOLUCK 6865 8191 PRESLOWUTYJ 2729 9911 K	CW	(Gwr)
M32	5922	20-8	1051	Thu	XXX XXX ATP8 ATP8 51966 LYaZGOMYuON 8576 1129 K	CW	(Gwr)
M32	5069	20-8	1349	Thu	XXX XXX K7FShch K7FShch 4545 4545 K	CW	(Gwr)
M32	4835	20-8	1407	Thu	XXX XXX 1ShchRF 1ShchRF 42525 PUHOZUB 4786 4242 K	CW	(Gwr)
M32	4835	21-8	0857	Fri	XXX XXX 1ShchRF 1ShchRF 77779 STAZOYaENT 9463 7071 K	CW	(Gwr)
M32	4835	21-8	0902	Fri	XXX XXX 1ShchRF 1ShchRF 83278 RAZBITYJ 3191 8762 SEDEJshIJ 4550 3190 K	CW	(Gwr)
M32	4835	21-8	0918	Fri	XXX XXX MSK7 MSK7 74024 OBOZODAMJ 1413 0320 K	CW	(Gwr)
M32	4835	21-8	0927	Fri	XXX XXX MSK7 MSK7 31112 MYaGKOTELYJ 2732 2661 K	CW	(Gwr)
M32	4835	21-8	0933	Fri	XXX XXX MSK7 MSK7 55295 TWIN 2564 0472 K	CW	(Gwr)
M32	4835	21-8	0936	Fri	XXX XXX MSK7 MSK7 16133 PREDWEShchNIE 0323 3649 K	CW	(Gwr)
M32	4835	21-8	0938	Fri	XXX XXX MSK7 MSK7 73210 KIMWAL'NYJ 4111 4498 K	CW	(Gwr)
M32	4835	21-8	0945	Fri	XXX XXX MSK7 MSK7 52596 MOLOChES 5107 6426 K	CW	(Gwr)
M32	4835	21-8	0945	Fri	XXX XXX MSK7 MSK7 78855 KRUGORISK 8099 5239 K	CW	(Gwr)
M32	5361	21-8	1410	Fri	VZFY LAPTA 5998 K cw - Squeaky Wheel cw channel	CW	(Gwr)
M32	5361	21-8	1446	Fri	VZFY GRUDA 5105 K cw - Squeaky Wheel cw channel	CW	(Gwr)
M32	4317.5	21-8	1536	Fri	72219 48524 23185 21161 82180 1823 K RPT 72219 48524 23185 21161 82180 1823 ChDK7 K VVV VVV VVV VVV VVV	CW	(AB)
M32	4835	25-8	0926	Tue	XXX XXX MSK7 MSK7 31668 OBOZODAMP 1413 0320 K	CW	(Gwr)
M32	4835	25-8	0945	Tue	XXX XXX MSK7 MSK7 42771 KIMWAL'NYJ 4932 9092 K	CW	(Gwr)
M32	4835	25-8	0948	Tue	XXX XXX MSK7 MSK7 70766 KRUGORISK 8099 5239 K	CW	(Gwr)
M32	4835	25-8	0950	Tue	XXX XXX MSK7 MSK7 39004 SBEGANIE 9173 7686 RANGOSTAZ 2136 4801 STOKOTON 0719 3733 SPINOTOK 4932 9092 K	CW	(Gwr)
M32	4835	25-8	0955	Tue	XXX XXX 1ShchRF 1ShchRF 77254 LEKAL'ShchIK 8090 1433 K	CW	(Gwr)
M32	14108	27-8	1006	Thu	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K on 13396, 13868, 14108, 14552 kHz	CW	(Gwr)
M32	13868	27-8	1006	Thu	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K on 13396, 13868, 14108, 14552 kHz	CW	(Gwr)
M32	13396	27-8	1006	Thu	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K on 13396, 13868, 14108, 14552 kHz	CW	(Gwr)

M32	14552	27-8	1006	Thu	XXX XXX WEGI WEGI 74920 PRUDOBARS 9480 4004 K on 13396, 13868, 14108, 14552 kHz	CW	(Gwr)
M32	4835	27-8	1009	Thu	XXX XXX 1ShchRF 1ShchRF 53969 PRUDOBARS 9480 4004 K	CW	(Gwr)
M32	4835	27-8	1100	Thu	XXX XXX 1ShchRF 1ShchRF 21037 SKOPOBAKS 8877 3546 K	CW	(Gwr)
M32	4982	27-8	1407	Thu	XXX XXX RGT77 RGT77 74234 TRANZhiR 1069 3927 K //5016 kHz	CW	(Gwr)
M32	5016	27-8	1407	Thu	XXX XXX RGT77 RGT77 74234 TRANZhiR 1069 3927 K //4982 kHz	CW	(Gwr)
M32a	6458	14-8	1011	Fri	XXX XXX RLO RLO FLASTIONYJ 01 1050 285 270 1256 K	CW	(JPL-NOR)
M41	5339.5	16-8	0550	Sun	9984031891250 1929984 VVV VVV K66E 194 99870 31451 31 287122 5 0 845 ABV 19499870314513128712250 845 K66E K	CW	(F5JBR)
M41	4959	16-8	0611	Sun	19499870314514165712700 903 ABV 19499870314514165712700 903 K66E K // 5339.5 kHz	CW	(F5JBR)
M41	5339.5	16-8	0611	Sun	19499870314514165712700 903 ABV 19499870314514165712700 903 K66E K //4959 kHz	CW	(F5JBR)
M41	4911.5	23-8	0700	Sun	i.p. RPT 00850063268911000 51785007180511800 8500632682901 8500632683102 8500632683303 ...	CW	(F5JBR)
M42	16043	12-8	0808	Wed	Russian diplo/intel i.p.	MFSK	(AB)
M42	12154	13-8	0845	Thu	Russian diplo/intel.	MFSK-16/250Bd BPSK	(AB)
M42	12175	14-8	0820	Fri	Russian diplo/intel.	MFSK	(AB)
M42	10431	14-8	0840	Fri	Russian diplo/intel.	MFSK	(AB)
M42	12188	14-8	1219	Fri	Russian diplo/intel i.p.	MFSK-16/250Bd BPSK	(AB)
M42	7421	24-8	0858	Mon	Russian diplo/intel i.p.	MFSK	(AB)
M42b	5897	1-8	0620	Sat	TIGR TIGR TIGR DE GX7N GX7N K 349 101 01 0620 1967 = 91892 40783 14341 ... 37461 47184 =100= 36846	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	1-8	0620	Sat	GX7N GX7N GX7N DE TIGR TIGR K 911 100 01 0620 3175 = 23654 12654 65437 ... 25316 23457 =100=	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	2-8	0620	Sun	GX7N GX7N GX7N DE TIGR TIGR K QSA NO QSY 54930 QSY 54930 QSY 54930	CW	(AB-POL)
M42b	5897	2-8	0628	Sun	TIGR TIGR TIGR DE GX7N GX7N K	CW	(AB-POL)
M42b	6776	3-8	0620	Mon	GX7N GX7N GX7N DE TIGR TIGR K 678 100 03 0620 5430 = 23654 12654 65437 ... 25316 23457 =100=	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	3-8	0620	Mon	TIGR TIGR TIGR DE GX7N GX7N K QSY QSY 59774 QSY 59774 K	CW	(AB-POL)
M42b	6776	4-8	0620	Tue	GX7N GX7N GX7N DE TIGR TIGR K 462 102 04 0620 8503 = 14564 46584 76456 ... 23419 =100= 53478 23108 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	4-8	0620	Tue	TIGR TIGR TIGR DE GX7N GX7N K 362 101 4 0620 8642 = 91892 40783 14341 ... 37461 47184 =100= 36846 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	7-8	0620	Fri	GX7N GX7N GX7N DE TIGR TIGR K 430 120 07 0620 7519 = 18537 38492 54831 ... 76023 76591 76332 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	9-8	0620	Sun	VVV GX7N GX7N GX7N DE TIGR TIGR K 426 120 09 0620 4374 =	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	9-8	0620	Sun	TIGR TIGR TIGR DE GX7N GX7N K 386 101 09 0620 1967 = 91892 40783 14341 ...37461 47184 =100= 36846 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	10-8	0620	Mon	VVV GX7N GX7N GX7N DE TIGR TIGR K 636 101 10 0620 7329 = 62356 76369 62752 ... 04187 36806 =100= 38888 CFM NIL K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	10-8	0620	Mon	TIGR TIGR TIGR DE GX7N GX7N K 391 101 10 0620 1967 = 91892 40783 14341 ... 37461 47184 =100= 36846 CFM NIL QRU? K	CW	(AB-POL)
M42b	5897	11-8	0620	Tue	TIGR TIGR TIGR DE GX7N GX7N K 395 101 11 0615 1641 = 72333 27568 08643 ... 26840 =100= 00316 -0624= CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	11-8	0620	Tue	GX7N GX7N GX7N DE TIGR TIGR K 211 130 11 0620 4189 = 34567 67543 64567 ... 65437 64536 53248 CFM NIL K SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	15-8	0620	Sat	TIGR TIGR TIGR DE GX7N GX7N K 101 15 0620 8532 = 91892 40783 14341 ... 37461 47184 =100= 36846 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	15-8	0620	Sat	GX7N GX7N GX7N DE TIGR TIGR K 410 102 15 0620 0620 = 14564 46584 76456 ... 23419 =100= 53478 23108 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)

M42b	6776	16-8	0620	Sun	VVV GX7N GX7N GX7N DE TIGR TIGR K 284 102 16 0620 9834 = 74859 26389 01987 ... 78543 =100= 77411 41170 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	18-8	0620	Tue	GX7N GX7N GX7N DE TIGR TIGR K 367 120 18 0620 4637 = 84796 48395 28475 ... 00564 41177 77351 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	18-8	0620	Tue	TIGR TIGR TIGR DE GX7N GX7N K 362 101 18 0620 8642 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5150	18-8	1715	Tue	FKLS FKLS FKLS DE BUHN BUHN K 207 104 18 1700 2588 = 29679 48454 32055 =100= 25233 94901 46056 19862 -1718 K	CW + Baudot ITA2 50/500	(AB)
M42b	5151	19-8	1726	Wed	i.p. 728 115 19 1700 5138 = 00639 19795 15901 ... 75709 54620 07379 -1729 K CFM NIL K SK	CW + Baudot ITA2 50/500	(AB)
M42b	5897	20-8	0620	Thu	TIGR TIGR TIGR DE GX7N GX7N K 396 101 20 0620 2517 = 91892 40783 14341 ... 37461 47184 =100= 36846 CFM NIL SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	20-8	0620	Thu	GX7N GX7N GX7N DE TIGR TIGR K 812 102 20 0620 9817 = 14564 46584 76456 ... 23419 =100= 53478 23108 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5150	20-8	1713	Thu	GKLS 175 115 20 1650 9087 = 08603 99477 50531 ... 42887 61438 18108 -1723 CFM NIL SK	CW + Baudot ITA2 50/500	(AB)
M42b	6776	21-8	0620	Fri	GX7N GX7N GX7N DE TIGR TIGR K QSA3 QSA? K QSY QSY 51930 51930 QSY 51930	CW	(AB-POL)
M42b	5897	21-8	0620	Fri	TIGR TIGR TIGR DE GX7N GX7N K SK QSA3 QSA? WK TIGR TIGR TIGR	CW	(AB-POL)
M42b	5150	21-8	1715	Fri	FKLS FKLS FKLS DE BUHN BUHN K 892 100 21 1700 6789 = 25430 39042 70659 ... 68009 11584 40291 =100= -1719 CFM NIL K	CW + Baudot ITA2 50/500	(AB)
M42b	6776	22-8	0620	Sat	GX7N GX7N GX7N DE TIGR TIGR K 157 120 22 0620 3546 = 74859 26389 01987 ... 78543 =100= 77411 41170 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB)
M42b	5897	22-8	0620	Sat	TIGR TIGR TIGR DE GX7N GX7N K 406 101 22 0620 2517 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL SK	CW + Baudot ITA2 50/500	(AB)
M42b	6993	23-8	0553	Sun	SFDZ wkg HXMT. 493 115 23 0550 5138 = 81616 53211 25306 ... 78689 52672 10483 03883 -0557 K QRU NIL SK	CW + Baudot ITA2 50/500	
M42b	5897	23-8	0620	Sun	GX7N msg to TIGR. No callup. 411 101 23 0620 8391 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB)
M42b	6776	23-8	0620	Sun	GX7N GX7N GX7N DE TIGR TIGR K 210 123 23 0620 7461 = 18347 12635 93625 1957 incomplete message CFM NIL K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	24-8	0620	Mon	GX7N GX7N GX7N DE TIGR TIGR K 147 110 24 0620 4438 = 48576 33627 19376 ... 28394 1 47564 99410 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5897	24-8	0620	Mon	TIGR TIGR TIGR DE GX7N GX7N K 416 101 24 0620 1967 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB)
M42b	5150	24-8	1713	Mon	KLSF KLSF KLSF DE 299 116 24 1216 8436 = 76903 61188 22136 ... 95591 84693 9338 (incomplete message) CFM NIL SK	CW + Baudot ITA2 50/500	(AB)
M42b	5897	25-8	0620	Tue	GX7N msg to TIGR. No callup. 417 101 25 0620 7510 = 91892 40783 14341 ... 37461 47184 =100= 36846 CFM NIL K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	25-8	0620	Tue	GX7N GX7N GX7N DE TIGR TIGR K 179 136 25 0620 5663 = 27822 23712 23727 ... 23741 75226 6523 (incomplete message) CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5150	25-8	1715	Tue	FKLS FKLS FKLS DE BUHN BUHN K 717 125 25 1710 8326 = 56716 04215 16480 ... 85454 30805 83925 -1735 K CFM NIL K	CW + Baudot ITA2 50/500	(AB)
M42b	5897	26-8	0625	Wed	GX7N wkg TIGR i.p. BK BK QTC1 ZTH PBL K NW = 423101260601836 K CFM CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	26-8	0625	Wed	TIGR wkg GX7N i.p. 141 101 26 0620 4751 = 49665 76743 34879 ... 76754 =100= 54873 CFM NIL K SK SK	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	27-8	0620	Thu	GX7N GX7N GX7N DE TIGR TIGR K 162 102 27 0620 3115 = 14564 46584 76456 ... 63547 1234 (incomplete message)	CW + Baudot ITA2 50/500	(AB-POL)

M42b	5897	27-8	0620	Thu	TIGR TIGR TIGR DE GX7N GX7N K 428 101 27 0550 8431 = 91892 40783 14341 ... 47184 =100= 36846 00000 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	5152	27-8	1715	Thu	BUHN i.p. 33736 64938 89707 45058 73284 43005 85610 08680 38021 24115 -1714 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB)
M42b	5897	28-8	0620	Fri	TIGR TIGR TIGR DE GX7N GX7N K 433 101 28 0620 2517 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	28-8	0620	Fri	VVV GX7N GX7N GX7N DE TIGR TIGR K 177 120 28 0620 1948 = 18537 38492 54831 ... 76023 76591 76332 CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB-POL)
M42b	6776	29-8	0620	Sat	GX7N GX7N GX7N DE TIGR TIGR K 134 110 29 0620 8159 = 48576 33627 19376 ... 11836 2243 (incomplete message) CFM NIL K	CW + Baudot ITA2 50/500	(AB)
M42b	5897	29-8	0620	Sat	TIGR TIGR TIGR DE GX7N GX7N K 437 101 29 0620 8391 = 91892 40783 14341 ... 47184 =100= 36846 CFM NIL K	CW + Baudot ITA2 50/500	(AB)
M42b	5150	29-8	1715	Sat	FKLS FKLS FKLS DE BUHN BUHN K 973 100 29 1700 3456 = 05728 48674 69041 ... 72730 =100= -1717 K CFM NIL QRU? K	CW + Baudot ITA2 50/500	(AB)
M42b	6776	30-8	0620	Sun	GX7N GX7N GX7N DE TIGR TIGR K QSA NO QSY 53544 QSA NO QSY 53544 K QSY 53544 (repeated many times)	CW	(AB-POL)
M42b	5152	31-8	1712	Mon	KLSF KLSF KLSF DE BUHN BUHN K 822 117 31 1700 3574 = 21079 54562 01364 ... 28632 41755 91539 -1715 K CFM QRU? K	CW + Baudot ITA2 50/500	(AB)
M51	3881	22-8	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ Samedi 3/Lecon numero 1/1 Vitesse 420 code = and Samedi 3/Lecon numero 2/1 Vitesse 420 clair =	CW	(AB)
M51	6825	22-8	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ Samedi 3/Lecon numero 1/1 Vitesse 420 code = and Samedi 3/Lecon numero 2/1 Vitesse 420 clair =	CW	(AB)
M51b	3881	22-8	0515	Sat	Non-stop 5-character groups composed of M51a messages.	CW	(AB)
M89	8290	1-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8360	CW	(JPL)
M89	8360	1-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8290	CW	(JPL)
M89	5640	1-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360	CW	(JPL)
M89	6840	1-8	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 8290 and 8360	CW	(JPL)
M89	5591	1-8	1227	Sat	i.p. FFF NR 1717/EX 2027 = K3N8/D5M6 AR NR 1717/EX 2027 = K3N8/D5M6 AR NR 1717/EX 2027 = K3N8/D5M6 AR SK SK	CW	(JPL)
M89	5561	1-8	1227	Sat	i.p. /W3E6 AR NR .63/EX 2020 = RHP9/W3E6 AR NR ..34/EX 2027 = RHP./W3E6 AR SK SK	CW	(JPL)
M89	4227	1-8	1234	Sat	i.p. HR WK NR 115 K FF NR 3527/EX 2004 RMKS 5639 TO 5640 = QGY./TPD4 AR	CW	(JPL)
M89	3596	1-8	1249	Sat	V QYE2 (x3) DE 9WFFV (x2) //4888 (Remote tuner ShangHai)] JPL SAT	CW	(JPL)
M89	4888	1-8	1249	Sat	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	6840	9-8	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //3850 and 4860 and 5640	CW	(JPL)
M89	3850	9-8	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //5640 and 4860 and 6840	CW	(JPL)
M89	4860	9-8	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //3850 and 5640 and 6840	CW	(JPL)
M89	5640	9-8	1520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //3850 and 4860 and 6840	CW	(JPL)
M89	4489	9-8	1531	Sun	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	4888	9-8	1537	Sun	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	3596	9-8	1537	Sun	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	5648	11-8	2130	Tue	V 74DUTU BT (x3) DE DU BT D474 (x2) Experiencing technical issue with roundslip	CW	(JPL)
M89	8182	11-8	2134	Tue	V QYE2 (x3) DE 9WFFV (x2) //4888 and 6824	CW	(JPL)
M89	6824	11-8	2134	Tue	V QYE2 (x3) DE 9WFFV (x2) //4888 and 8182	CW	(JPL)
M89	4888	11-8	2134	Tue	V QYE2 (x3) DE 9WFFV (x2)	CW	(JPL)
M89	4888	11-8	2134	Tue	V QYE2 (x3) DE 9WFFV (x2) //6824 and 8182	CW	(JPL)
M89	7495	13-8	0954	Tue	i.p. AD53 A53A T74U 3T67 345N N7U3 3DNA 4DNA ...	CW	(JPL)
M89	6824	13-8	1000	Tue	V QYE2 (x3) DE 9WFFV (x2)	CW	(JPL)

M89	6677	13-8	1002	Tue	i.p. 74T5 DUTN D45T 74D3 D375 DNU5 ...	CW	(JPL)
M89	3596	13-8	1936	Tue	V QYE2 (x3) DE 9WV (x2) //6824	CW	(JPL)
M89	6824	13-8	1936	Tue	V QYE2 (x3) DE 9WV (x2) //3596	CW	(JPL)
M89	3182	13-8	1945	Tue	i.p. D7A5 33TD U337 36N6 53AN A677 537N ...	CW	(JPL)
M89	3463	13-8	1948	Tue	i.p. N74D 3564 D563 5D4T TNAD AU63 ...	CW	(JPL)
M89	7388	16-8	0813	Sun	SS87 wkg 2W4D KLMY DF7D XCH9 ZXC3 S7UP	CW	(F5JBR-J)
M89	7388	16-8	0831	Sun	XPC8 wkg CE89: CE89 DE XPC8 NR59/EX 1632 RMKS CQ = Z3V8/Q2U4 AR	CW	(F5JBR-J)
M89	8649	18-8	0911	Tue	i.p. 5ANT UAN4 75UD 73AD U736 T64U ...	CW	(JPL)
M89	6840	18-8	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 8290 and 8360 and 10640	CW	(JPL)
M89	8360	18-8	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	18-8	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8290 and 8360	CW	(JPL)
M89	5640	18-8	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	18-8	0920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8360 and 10640	CW	(JPL)
M89	7620	18-8	0930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K 8350	CW	(JPL)
M89	8350	18-8	0930	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	6824	18-8	0955	Tue	V QYE2 (x3) DE 9WV (x2)	CW	(JPL)
M89	4888	18-8	1347	Tue	9WV i.p. 07/5.03/092/A AR = 886/4620/4030/97/07/5503/092/A AR //6824	CW	(JPL)
M89	4888	18-8	1349	Tue	V QYE2 (x3) DE 9WV (x2) //3596	CW	(JPL)
M89	3596	18-8	1349	Tue	V QYE2 (x3) DE 9WV (x2) //3596 Note: Moved from 6824	CW	(JPL)
M89	5691	18-8	1354	Tue	V HFL2 (x3) DE M6NY (x2) //10383	CW	(JPL)
M89	7653	18-8	1400	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	6235	18-8	1409	Tue	i.p. NDT4 TU57 4UN5 K	CW	(JPL)
M89	7653	18-8	2200	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4489	18-8	2213	Tue	V HFL2 (x3) DE M6NY (x2) //10383	CW	(JPL)
M89	7738.8	20-8	0937	Thu	i.p. RMKS 0655 TO 3975 = X = = 3637	CW	(JPL)
M89	7653	20-8	0943	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	6824	20-8	0945	Thu	V QYE2 (x3) DE 9WV (x2)	CW	(JPL)
M89	4654	20-8	0946	Thu	i.p.= W=/FE7 AR QSY 16 K EEE QSY 16 (Exercise related)	CW	(JPL)
M89	5513	20-8	0950	Thu	i.p. /EX 1754 = G6T7/M.J1 AR NR 1346/EX 1754 = G6T7/M0JJ AR	CW	(JPL)
M89	5260	20-8	0950	Thu	i.p. QSY 23 VVV (Exercise related)	CW	(JPL)
M89	5766	20-8	0952	Thu	i.p. 7/EX 1753 = W4FB/G9K2 AR NR 1347/EX 1758 = W4FB/G9K2 AR SK SK	CW	(JPL)
M89	5260	20-8	0954	Thu	i.p. HUBK FFF NR 195/EX 1751 = P6X9/L457 AR NR 195/EX 1751 = P6X9/L4V7 AR	CW	(JPL)
M89	5628	20-8	0957	Thu	i.p. FFF NR 0205/EX 1754 = APN7/25MI AR QSY NR 07 IIII QSY NR 08 QSY NR 08	CW	(JPL)
M89	5777	20-8	0959	Thu	i.p. FFF NR 0206/EX 1757 = DLHB/MZ79 AR FFF NR 0206/EX 1757 = DLHB/MZ79 AR	CW	(JPL)
M89	5766	20-8	1001	Thu	i.p.	CW	(JPL)
M89	5535	20-8	1004	Thu	i.p. VVV 9BFL DE MJE8 K R IEC = 1144 AR K (Exercise related) R HR WK NR 107 K R AS	CW	(JPL)
M89	4686	20-8	1006	Thu	i.p. R QSA 3 K (Monitored on 5535 kHz 20 Aug 20 @ 1004z) R IEC = 3991 AR K (Exercise related)	CW	(JPL)
M89	5076	20-8	1020	Thu	i.p. D5N3 D7N6 453D 54TD U75N ... AR K VV N V CKW3 K V 62HX K	CW	(JPL)
M89	6722	20-8	1047	Thu	i.p. VVV D7BZ DE FZGB R QSA QSA 2 K (Both stations on this frequency)	CW	(JPL)
M89	4249	20-8	1944	Thu	i.p. D3N7 43DU D4AU AT7N 45TA ...	CW	(JPL)
M89	5691	21-8	1040	Fri	V HFL2 (x3) DE M6NY (x2)	CW	(JPL)
M89	7653	21-8	1043	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4888	21-8	1045	Fri	V QYE2 (x3) DE 9WV (x2) //6824 and 8182	CW	(JPL)
M89	8182	21-8	1045	Fri	V QYE2 (x3) DE 9WV (x2) //4888 and 6824	CW	(JPL)

M89	6824	21-8	1045	Fri	V QYE2 (x3) DE 9WFFV (x2) //4888 and 8182	CW	(JPL)
M89	4489	21-8	1611	Fri	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	3162	21-8	2202	Fri	VVV KGX (x5) DE BUR (x2) QTR O5 QSA ? K	CW	(JPL)
M89	3850	21-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640	CW	(JPL)
M89	4860	21-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640	CW	(JPL)
M89	5640	21-8	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4720	21-8	2230	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	21-8	2230	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	7653	23-8	1137	Sun	V 8RVF (x3) DE CV4K (x2) 7G GA NR 1045 CK 61 32 0823 1938 RMKS 5351 TO 5151 = 6.. T3NA 5U6N 4DT3 AU75 7D4N A	CW	(JPL)
M89	5414	23-8	1216	Sun	i.p. FF NR 1013/EX 1806 = F2Y1/Q3Y5 = F2YJ/Q3Y5 AR QSY 7 QSY 7 FFF 1012/EX 1806 = F2YJ/Q3Y5 AR	CW	(JPL)
M89	5364	23-8	1216	Sun	i.p. 73N4 N473 7AN5 63D5 TU63 73NA ...	CW	(JPL)
M89	4489	23-8	1235	Sun	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	3596	23-8	1238	Sun	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	4888	23-8	1238	Sun	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	5248	23-8	1313	Sun	i.p. U574 7TAD AD67 7N6U 74T3 TU3N TTTU 3DNU 3D5U ... AR HR NR 76 HR NR 76 NIL SK NIL SK	CW	(JPL)
M89	6320	23-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	5640	23-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	3850	23-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	6840	23-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640	CW	(JPL)
M89	4860	23-8	1320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5322	24-8	2338	Mon	V JKMP (x3) DE RDQY	CW	(JPL)
M89	6824	25-8	0310	Tue	QYE2 de 9WFFV V //8182 kHz	CW	(F5JBR-J)
M89	8290	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840 and 8360	CW	(JPL)
M89	8360	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840 and 8290	CW	(JPL)
M89	6840	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 8290 and 8360	CW	(JPL)
M89	4860	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	25-8	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6840 and 8290 and 8360	CW	(JPL)
M89	7653	25-8	1125	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3596	25-8	1128	Tue	V QYE2 (x3) DE 9WFFV (x2) //4888 and 6824 and 8182	CW	(JPL)
M89	8182	25-8	1128	Tue	V QYE2 (x3) DE 9WFFV (x2) //3596 and 4888 and 6824	CW	(JPL)
M89	4888	25-8	1128	Tue	V QYE2 (x3) DE 9WFFV (x2) //3596 and 6824 and 8182	CW	(JPL)
M89	6824	25-8	1128	Tue	V QYE2 (x3) DE 9WFFV (x2) //3596 and 4888 and 8182	CW	(JPL)
M89	7620	25-8	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	25-8	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4489	25-8	1555	Tue	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
M89	6840	25-8	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	5640	25-8	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6320 and 6840 and 8290 and 8360	CW	(JPL)
M89	6320	25-8	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	4860	25-8	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 6840 and 8290 and 8360	CW	(JPL)
M89	3850	25-8	2020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 6840	CW	(JPL)
M89	5150	25-8	2030	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4720	25-8	2030	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)

M89	4319	25-8	2035	Tue	VVV D3DF DE GBSB K R QSA 2 QSA ? K R EIC = 5078 K R AS K VVV MKL8 DE GBSB K HR F GA	CW	(JPL)
M89v	6722	20-8	1056	Thu	Voice traffic in Chinese. Male operator	CW	(JPL)
M95	9054	1-8	1150	Sat	VV HR 7G TO YR PSE CY NR 02 CK 149 35 0801 1610 = //4243	CW	(JPL)
M95	8073	1-8	1150	Sat	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0591 CK 482 35 0801 1611 = //4364	CW	(JPL)
M95	5479	1-8	1253	Sat	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	1-8	1253	Sat	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	3968	9-8	1515	Sun	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	9-8	1515	Sun	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5322	9-8	1519	Sun	V FDLK (x3) DE DKGf (x2)	CW	(JPL)
M95	4364	10-8	1142	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0621 CK 77 35 0810 1146 = //8073	CW	(JPL)
M95	8073	10-8	1142	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0621 CK 77 35 0810 1146 = //4364	CW	(JPL)
M95	4243	10-8	1149	Mon	i.p. AR 7G AGN NR 063 CK 17 35 0810 1510 = 5AA UTT TAT 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	10-8	1149	Mon	i.p. AR 7G AGN NR 063 CK 17 35 0810 1510 = 5AA UTT TAT 3U6 3A4 ... //4243	CW	(JPL)
M95	5301	10-8	1201	Mon	i.p. CA23 DE FIGJ K 222 FIGJ K FIGJ 11 R VVV FIGJ DE CA23 K	CW	(JPL)
M95	6666	11-8	1146	Tue	05 (repeated) VVV CQ CQ CQ DE 3SY 3SY 3SY MSG HR 7G GA NR 0014/CCK CK 99 24 0807 1000 RMKS CQ = message	CW	(EW)
M95	3968	11-8	2128	Tue	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	6936	13-8	1933	Tue	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	13-8	1933	Tue	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	10722	18-8	0859	Tue	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	18-8	0859	Tue	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	4283	18-8	0935	Tue	i.p. U46 35A 4T7 445 4D6 TAU 773 ... A HR MSG GA //7553	CW	(JPL)
M95	7553	18-8	0935	Tue	i.p. U46 35A 4T7 445 4D6 TAU 773 ... A HR MSG GA //4283	CW	(JPL)
M95	6936	18-8	2200	Tue	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	18-8	2200	Tue	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	3968	21-8	1606	Fri	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	21-8	1606	Fri	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4364	23-8	1140	Sun	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0666 CK 308 35 0823 1624 = //8073	CW	(JPL)
M95	4243	23-8	1154	Sun	V HR 7G TO YR PSE CY NR 088 CK 54 35 0823 1540 = 5AA UTT TU3 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	23-8	1154	Sun	V HR 7G TO YR PSE CY NR 088 CK 54 35 0823 1540 = 5AA UTT TU3 3U6 3A4 ... //4243	CW	(JPL)
M95	4243	23-8	1205	Sun	RPT RPT K R WK OLD HD NR 30 EEE R HR NEW HD WK OLD HD NR 3062 K R HR NEW HD WK OLD HD NR 3109 K //6666	CW	(JPL)
M95	6666	23-8	1205	Sun	RPT RPT K R WK OLD HD NR 30 EEE R HR NEW HD WK OLD HD NR 3062 K R HR NEW HD WK OLD HD NR 3109 K //4243	CW	(JPL)
M95	3513.6	23-8	1242	Sun	i.p. VVV (x3) SZ1 (x3) DE (x2) ICA (x2) MSG MSG CK 1323 CK 1323 = 636 TUA UA3 3U4 ...	CW	(JPL)
M95	10722	23-8	1317	Sun	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	23-8	1317	Sun	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	3968	24-8	2333	Mon	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	24-8	2333	Mon	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	9054	24-8	2354	Mon	V HR 7G TO YR PSE CY VVV HR 7G TO YR PSE CY NR 073 CK 24 35 0825 0613 = UT5 TU5 3U4 3A4 TTA TTU TT3 773 353	CW	(JPL)
M95	5479	25-8	1136	Tue	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	25-8	1136	Tue	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	25-8	1139	Tue	V BNGC (x3) DE XSV85 (x2) NR 0670 CK 280 35 0825 1608 = TU5 3U6 3AN 3U7 TAU ... //8073	CW	(JPL)

M95	8073	25-8	1139	Tue	V BNGC (x3) DE XSV85 (x2) NR 0670 CK 280 35 0825 1608 = TU5 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)
M95	4243	25-8	1154	Tue	V HR 7G TO YR PSE CY NR 02 CK 70 49 0825 1700 = 736 5TD T7U D55 ... //9054	CW	(JPL)
M95	9054	25-8	1154	Tue	V HR 7G TO YR PSE CY NR 02 CK 70 49 0825 1700 = 736 5TD T7U D55 ... //4243	CW	(JPL)
M95	3968	25-8	1552	Tue	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	25-8	1552	Tue	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
MX	10872.4	16-8	0721	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	10872.2	16-8	0723	Sun	Beacon F, Vladivostok	CW	(F5JBR-J)
MX	8495.2	16-8	0726	Sun	Beacon F, Vladivostok	CW	(F5JBR-J)
MX	8495.4	16-8	0728	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	16332.2	19-8	0559	Wed	Beacon F, Vladivostok	CW	(AB-RUS)
P03e	14415	2-8	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	2-8	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5149	2-8	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	2-8	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	4-8	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	4-8	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	7-8	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	7-8	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	9-8	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	9-8	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5149	9-8	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5149	9-8	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5149	11-8	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	11-8	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	14-8	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	14-8	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	16-8	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	16-8	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	16-8	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	16-8	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	18-8	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	18-8	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	21-8	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	21-8	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	23-8	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	23-8	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	23-8	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	23-8	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	25-8	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	25-8	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	28-8	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	28-8	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14415	30-8	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14415	30-8	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)

P03e	5149	30-8	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5149	30-8	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03f	13537	3-8	0530	Mon	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	3-8	0535	Mon	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	5-8	0530	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	5-8	0535	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	10-8	0530	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	10-8	0535	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	12-8	0530	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	12-8	0535	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	17-8	0530	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	17-8	0535	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	19-8	0530	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	19-8	0535	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	24-8	0530	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	24-8	0535	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	26-8	0530	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	26-8	0535	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	13537	31-8	0530	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03f	13537	31-8	0535	Mon	Polish intel.	QPSK 200Bd/496bp	(AB-POL)
P03j	17410	3-8	0630	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17410	3-8	0635	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	5-8	1330	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	5-8	1335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	7-8	1330	Fri	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	7-8	1335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	17410	10-8	0630	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	17410	10-8	0635	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	17410	12-8	0630	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17410	12-8	0635	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	12-8	1330	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	12-8	1335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	14-8	1330	Fri	Polish intel.	QPSK 100Bd/504bp	(AB-POL/MPJ)
P03j	16335	14-8	1335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB-POL/MPJ)
P03j	17410	17-8	0630	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	17410	17-8	0635	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	17410	19-8	0630	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17410	19-8	0635	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	19-8	1330	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	19-8	1335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	21-8	1330	Fri	Polish intel.	QPSK 100Bd/504bp	(AB-POL/MPJ)
P03j	16335	21-8	1335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB-POL/MPJ)
P03j	17410	24-8	0630	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	17410	24-8	0635	Mon	Polish intel.	QPSK 100Bd/504bp	(AB-POL)

P03j	17410	26-8	0630	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17410	26-8	0635	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16335	26-8	1330	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	26-8	1335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	28-8	1330	Fri	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16335	28-8	1335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	17410	31-8	0630	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17410	31-8	0635	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	6304	1-8	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	1-8	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	1-8	1140	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	1-8	1145	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	1-8	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ-POL)
P03k	5409	1-8	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ-POL)
P03k	5344	1-8	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	1-8	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	1-8	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	1-8	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	2-8	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	2-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	2-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	2-8	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	2-8	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	2-8	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	2-8	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	2-8	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	3-8	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	3-8	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	3-8	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5779	3-8	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	4-8	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	4-8	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	5-8	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	5-8	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	5-8	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	5-8	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	7-8	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	7-8	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	7-8	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	7-8	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	7-8	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	7-8	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	8-8	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	8-8	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	13873	8-8	1140	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	8-8	1145	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	8-8	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	8-8	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	9-8	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	9-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	9-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	9-8	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	9-8	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	9-8	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	9-8	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12385	9-8	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9130	9-8	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	9-8	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	10-8	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	10-8	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	10-8	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	10-8	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	11-8	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	11-8	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	12-8	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	12-8	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	12-8	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	12-8	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	14-8	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	14-8	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	14-8	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	14-8	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	14-8	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5779	14-8	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6304	15-8	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	15-8	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	15-8	1140	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	15-8	1145	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	15-8	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	15-8	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	15-8	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	15-8	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	16-8	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	16-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	16-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	16-8	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	16-8	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	16-8	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	12385	16-8	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	16-8	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	16-8	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	16-8	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	17-8	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	17-8	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	17-8	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	17-8	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	18-8	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	18-8	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	18-8	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	19-8	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5344	19-8	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16125	19-8	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	19-8	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	21-8	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	21-8	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	21-8	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	21-8	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	21-8	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	21-8	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	22-8	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	22-8	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	22-8	1140	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	22-8	1145	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	22-8	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	22-8	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	23-8	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	23-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	23-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	23-8	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	23-8	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5409	23-8	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12385	23-8	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	23-8	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	23-8	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9130	23-8	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12385	24-8	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	24-8	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	24-8	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	24-8	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	25-8	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	26-8	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	26-8	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	16125	26-8	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	26-8	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	28-8	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	28-8	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	28-8	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	28-8	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	28-8	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	28-8	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	29-8	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	29-8	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	29-8	1140	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	29-8	1145	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5409	29-8	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	29-8	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	29-8	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5344	29-8	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16125	29-8	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16125	29-8	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6304	30-8	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6304	30-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	30-8	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6940	30-8	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	30-8	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	30-8	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	30-8	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	30-8	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	30-8	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9130	30-8	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	31-8	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12385	31-8	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	31-8	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5779	31-8	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	5409	1-8	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	1-8	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	2-8	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	2-8	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8597	2-8	1120	Sun	Polish intel.	QPSK 100Bd/464	(MPJ)
P03I	8597	2-8	1125	Sun	Polish intel.	QPSK 100Bd/464	(MPJ)
P03I	5082	5-8	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	5-8	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	7-8	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	7-8	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	8-8	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	8-8	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	5409	9-8	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	9-8	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8597	9-8	1120	Sun	Polish intel.	QPSK 100Bd/464	(AB/MPJ)
P03I	8597	9-8	1125	Sun	Polish intel.	QPSK 100Bd/464	(AB/MPJ)
P03I	8597	12-8	1120	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	8597	12-8	1125	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	5082	12-8	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	12-8	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	14-8	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	14-8	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	15-8	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	15-8	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	16-8	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	16-8	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8597	16-8	1120	Sun	Polish intel.	QPSK 100Bd/464	(AB)
P03I	8597	16-8	1125	Sun	Polish intel.	QPSK 100Bd/464	(AB)
P03I	8597	19-8	1120	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	8597	19-8	1125	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	5082	19-8	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	19-8	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	21-8	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	21-8	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	22-8	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	22-8	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	23-8	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	23-8	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8597	26-8	1120	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	8597	26-8	1125	Wed	Polish intel.	QPSK 100Bd/464	(AB)
P03I	5082	28-8	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5082	28-8	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	29-8	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	29-8	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	30-8	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5409	30-8	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8597	30-8	1120	Sun	Polish intel.	QPSK 100Bd/464	(AB/MPJ)
P03I	8597	30-8	1125	Sun	Polish intel.	QPSK 100Bd/464	(AB/MPJ)
Q26	8073	1-8	1134	Sat	Message to BNGC //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	1-8	1148	Sat	Message //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	10-8	1131	Mon	BNGC DE XSV85 messages to BNGC //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	10-8	1131	Mon	BNGC DE XSV85 messages to BNGC //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	23-8	1132	Sun	XSV85 MESSAGES //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	23-8	1146	Sun	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	23-8	1146	Sun	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	24-8	2344	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)

Q26	4364	25-8	1132	Tue	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	25-8	1132	Tue	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	25-8	1145	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	25-8	1145	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
RAv	5617	6-8	1150	Thu	Long Range Aviation voice: Flight 94154 to Medyanka: Razdel 354 911 949 384 671 294	USB	(Gwr)
RAv	5617	6-8	1500	Thu	Long Range Aviation voice: Flight 08222 to Medyanka: Znak razdela 351 686 819 160 177 301	USB	(Gwr)
RAv	5617	6-8	1520	Thu	Long Range Aviation voice: Flight 20851 to Ochistka: Znak razdela 460 977 762 203	USB	(Gwr)
RAv	5617	6-8	1540	Thu	Long Range Aviation voice: Flight 08222 to Ochistka: Znak razdela 546 113 819 209 762 674	USB	(Gwr)
RAv	5617	7-8	1205	Fri	Long Range Aviation: 74730 for Medyanka - znak razdela 856 335 195	USB	(Gwr)
RAv	5617	7-8	1230	Fri	Long Range Aviation: 74730 for Medyanka - znak razdela 272 623 186 673 540	USB	(Gwr)
RAv	5617	7-8	1250	Fri	Long Range Aviation: 08222 to Medyanka - znak razdela 162 111 690 400 386 716	USB	(Gwr)
RAv	5617	7-8	1315	Fri	Long Range Aviation: 08222 to Medyanka - znak razdela 158 111 007 778 715	USB	(Gwr)
RAv	5617	7-8	1350	Fri	Long Range Aviation: 08222 to Medyanka - znak razdela 834 253 254 484 503 397	USB	(Gwr)
RAv	5617	20-8	1305	Thu	Flight 95712 to Medyanka 472 975 410 835 227 239	USB	(Gwr)
RAv	5635	21-8	1155	Fri	Long range aviation. Flight 74736 to Duga - Znak razdela (=) 948 022 228 458 115	USB	(Gwr)
RAv	5617	26-8	1430	Wed	Flight 08227 to Medyanka = 527 590 513 766 282 534	USB	(Gwr)
S06	16327	7-8	0830	Fri	842 576 21 11742 ...	USB	(HFD-CHN)
S06	13875	7-8	0930	Fri	842 576 21 11742 ...	USB)HFD-CHN)
S06	9336	7-8	1900	Fri	452 452 452 00000	USB	(AB/MPJ)
S06	13875	13-8	0930	Thu	842 901 32 39509 23601 12261 ... 77625 32199 50629 901 32 00000	USB	(AB-J)
S06	16327	14-8	0830	Fri	842 901 32 39509 23601 12261 ... 77625 32199 50629 901 32 00000	USB	(AB-J)
S06	13875	14-8	0930	Fri	842 901 32 39509 23601 12261 ... 77625 32199 50629 901 32 00000	USB	(AB-J)
S06	9336	21-8	1900	Fri	452 452 452 00000	USB	(AB/MPJ/HFD)
S06	7315	21-8	2000	Fri	452 452 452 00000	USB	(AB/HFD)
S06b	13875	28-8	0830	Fri	842 103 2 11111 00060 103 2 00000	USB	(AB-RUS)
S06b	16327	28-8	0930	Fri	842 103 2 11111 00060 103 2 00000	USB	(AB-RUS)
S06s	12460	1-8	0800	Sat	132 406 5 95693 44707 03156 44395 63319 406 5 00000	USB	(AB)
S06s	10250	1-8	0810	Sat	132 406 5 95693 44707 03156 44395 63319 406 5 00000	USB	(AB)
S06s	16320	3-8	0630	Mon	462 985 7 47154 25660 69885 96882 30034 19804 96845 985 7 00000	USB	(AB)
S06s	14875	3-8	0640	Mon	462 985 7 47154 25660 69885 96882 30034 19804 96845 985 7 00000	USB	(AB)
S06s	8221	3-8	0830	Mon	764 203 5 08731 58082 36270 08982 27728 203 5 00000	USB	(AB)
S06s	9353	3-8	0840	Mon	764 203 5 08731 58082 36270 08982 27728 203 5 00000	USB	(AB)
S06s	16380	3-8	0900	Mon	232 419 5 11169 03439 43548 19152 23063 419 5 00000	USB	(AB-ROU)
S06s	14835	3-8	0910	Mon	232 419 5 11169 03439 43548 19152 23063 419 5 00000	USB	(AB-ROU)
S06s	10230	3-8	1200	Mon	149 283 5 07022 32734 34771 48591 47281 283 5 00000	USB	(AB/MPJ)
S06s	12165	3-8	1210	Mon	149 283 5 07022 32734 34771 48591 47281 283 5 00000	USB	(AB/MPJ)
S06s	5430	4-8	0700	Tue	452 973 6 10206 60562 37014 35417 12363 74620 973 6 00000	USB	(AB-POL)
S06s	6780	4-8	0720	Tue	452 973 6 10206 60562 37014 35417 12363 74620 973 6 00000	USB	(AB-POL)
S06s	7365	4-8	0730	Tue	427 983 5 97998 83168 53368 76413 58441 983 5 00000	USB	(AB)
S06s	11655	4-8	0740	Tue	427 983 5 97998 83168 53368 76413 58441 983 5 00000	USB	(AB)
S06s	14373	4-8	0800	Tue	127 943 5 80062 09086 58231 45488 72114 943 5 00000	USB	(AB)
S06s	12935	4-8	0810	Tue	127 943 5 80062 09086 58231 45488 72114 943 5 00000	USB	(AB)
S06s	4820	4-8	1000	Tue	427 891 5 91633 59344 65130 70744 89695 891 5 00000	USB	(AB-POL)
S06s	5660	4-8	1010	Tue	427 891 5 91633 59344 65130 70744 89695 891 5 00000	USB	(AB-POL)

S06s	6810	4-8	1100	Tue	265 498 7 32492 67007 20851 41418 68722 75292 03596 498 7 00000	USB	(AB-RUS)
S06s	7560	4-8	1110	Tue	265 498 7 32492 67007 20851 41418 68722 75292 03596 498 7 00000	USB	(AB)
S06s	6766	4-8	1500	Tue	914 587 6 11609 93430 85473 25199 23063 36924 587 6 00000	USB	(AB/MPJ)
S06s	7744	4-8	1510	Tue	914 587 6 11609 93430 85473 25199 23063 36924 587 6 00000	USB	(AB/MPJ)
S06s	11530	5-8	0730	Wed	172 468 5 39534 17228 15636 47891 23247 468 5 00000	USB	(AB)
S06s	14977	5-8	0740	Wed	172 468 5 39534 17228 15636 47891 23247 468 5 00000	USB	(AB)
S06s	11565	5-8	0830	Wed	464 201 5 88620 58069 61732 74537 57440 201 5 00000	USB	(AB)
S06s	12560	5-8	0840	Wed	464 201 5 88620 58069 61732 74537 57440 201 5 00000	USB	(AB)
S06s	14580	5-8	1000	Wed	276 903 5 40614 77249 40678 17976 21816 903 5 00000	USB	(AB)
S06s	16020	5-8	1010	Wed	276 903 5 40614 77249 40678 17976 21816 903 5 00000	USB	(AB)
S06s	9255	6-8	0930	Thu	698 471 5 80744 86200 84706 44227 61736 471 5 00000	USB	(AB)
S06s	10325	6-8	0940	Thu	698 471 5 80744 86200 84706 44227 61736 471 5 00000	USB	(AB)
S06s	13145	6-8	1200	Thu	175 428 6 92060 11749 70552 56936 57989 05371 428 6 00000	USB	(AB/MPJ)
S06s	14535	6-8	1210	Thu	175 428 6 92060 11749 70552 56936 57989 05371 428 6 00000	USB	(AB/MPJ)
S06s	10290	7-8	0830	Fri	156 234 7 46062 68672 97478 39685 30485 96632 52537 234 7 00000	USB	(AB)
S06s	9655	7-8	0840	Fri	156 234 7 46062 68672 97478 39685 30485 96632 52537 234 7 00000	USB	(AB)
S06s	6844	7-8	0900	Fri	239 841 5 52401 63919 92699 14600 74248 841 5 00000	USB	(AB)
S06s	7161	7-8	0910	Fri	239 841 5 52401 63919 92699 14600 74248 841 5 00000	USB	(AB)
S06s	16320	10-8	0630	Mon	462 985 7 47154 25660 69885 96882 30034 19804 96845 985 7 00000	USB	(AB)
S06s	14875	10-8	0640	Mon	462 985 7 47154 25660 69885 96882 30034 19804 96845 985 7 00000	USB	(AB)
S06s	8221	10-8	0830	Mon	764 203 5 08731 58082 36270 08982 27728 203 5 00000	USB	(AB)
S06s	9353	10-8	0840	Mon	764 203 5 08731 58082 36270 08982 27728 203 5 00000	USB	(AB)
S06s	16380	10-8	0900	Mon	232 419 5 11169 03439 43548 19152 23063 419 5 00000	USB	(AB)
S06s	14835	10-8	0910	Mon	232 419 5 11169 03439 43548 19152 23063 419 5 00000	USB	(AB)
S06s	10230	10-8	1200	Mon	149 283 5 07022 32734 34771 48591 47281 283 5 00000	USB	(AB/MPJ)
S06s	12165	10-8	1210	Mon	149 283 5 07022 32734 34771 48591 47281 283 5 00000	USB	(AB/MPJ)
S06s	5430	11-8	0700	Tue	452 973 6 10206 60562 37014 35417 12363 74620 973 6 00000	USB	(AB-POL)
S06s	6780	11-8	0720	Tue	452 973 6 10206 60562 37014 35417 12363 74620 973 6 00000	USB	(AB-POL)
S06s	7365	11-8	0730	Tue	427 983 5 97998 83168 53368 76413 58441 983 5 00000	USB	(AB)
S06s	11655	11-8	0740	Tue	427 983 5 97998 83168 53368 76413 58441 983 5 00000	USB	(AB)
S06s	14373	11-8	0800	Tue	127 943 5 80062 09086 58231 45488 72114 943 5 00000	USB	(AB)
S06s	12935	11-8	0810	Tue	127 943 5 80062 09086 58231 45488 72114 943 5 00000	USB	(AB)
S06s	4820	11-8	1000	Tue	427 891 5 91633 59344 65130 70744 89695 891 5 00000	USB	(AB-POL)
S06s	5660	11-8	1010	Tue	427 891 5 91633 59344 65130 70744 89695 891 5 00000	USB	(AB-POL)
S06s	6810	11-8	1100	Tue	265 498 7 32492 67007 20851 41418 68722 75292 03596 498 7 00000	USB	(AB-POL/MPJ)
S06s	7560	11-8	1110	Tue	265 498 7 32492 67007 20851 41418 68722 75292 03596 498 7 00000	USB	(AB/MPJ)
S06s	6766	11-8	1500	Tue	914 587 6 11609 93430 85473 25199 23063 36924 587 6 00000	USB	(AB/MPJ-HNG)
S06s	7744	11-8	1510	Tue	914 587 6 11609 93430 85473 25199 23063 36924 587 6 00000	USB	(AB/MPJ-HNG)
S06s	11530	12-8	0730	Wed	172 468 5 39534 17228 15636 47891 23247 468 5 00000	USB	(AB)
S06s	14977	12-8	0740	Wed	172 468 5 39534 17228 15636 47891 23247 468 5 00000	USB	(AB)
S06s	11565	12-8	0830	Wed	464 201 5 88620 58069 61732 74537 57440 201 5 00000	USB	(AB)
S06s	12560	12-8	0840	Wed	464 201 5 88620 58069 61732 74537 57440 201 5 00000	USB	(AB)
S06s	14580	12-8	1000	Wed	276 903 5 40614 77249 40678 17976 21816 903 5 00000	USB	(AB)
S06s	16020	12-8	1010	Wed	276 903 5 40614 77249 40678 17976 21816 903 5 00000	USB	(AB)

S06s	9255	13-8	0930	Thu	698 471 5 80744 86200 84706 44227 61736 471 5 00000	USB	(AB)
S06s	10325	13-8	0940	Thu	698 471 5 80744 86200 84706 44227 61736 471 5 00000	USB	(AB)
S06s	13145	13-8	1200	Thu	175 428 6 92060 11749 70552 56936 57989 05371 428 6 00000	USB	(AB/MPJ)
S06s	14535	13-8	1210	Thu	175 428 6 92060 11749 70552 56936 57989 05371 428 6 00000	USB	(AB/MPJ)
S06s	10290	14-8	0830	Fri	156 234 7 46062 68672 97478 39685 30485 96632 52537 234 7 00000	USB	(AB)
S06s	9655	14-8	0840	Fri	156 234 7 46062 68672 97478 39685 30485 96632 52537 234 7 00000	USB	(AB)
S06s	6844	14-8	0900	Fri	239 841 5 52401 63919 92699 14600 74248 841 5 00000	USB	(AB)
S06s	7161	14-8	0910	Fri	239 841 5 52401 63919 92699 14600 74248 841 5 00000	USB	(AB)
S06s	16320	17-8	0630	Mon	462 873 5 11169 03439 43548 19152 23063 873 5 00000	USB	(AB)
S06s	14875	17-8	0640	Mon	462 873 5 11169 03439 43548 19152 23063 873 5 00000	USB	(AB-UKR)
S06s	8221	17-8	0830	Mon	764 981 5 10002 08973 41716 50801 40123 981 5 00000	USB	(AB)
S06s	9353	17-8	0840	Mon	764 981 5 10002 08973 41716 50801 40123 981 5 00000	USB	(AB)
S06s	16380	17-8	0900	Mon	232 874 5 58755 82541 98376 35685 41713 874 5 00000	USB	(AB)
S06s	14835	17-8	0910	Mon	232 874 5 58755 82541 98376 35685 41713 874 5 00000	USB	(AB)
S06s	10230	17-8	1200	Mon	149 862 5 95693 44707 03156 44395 63319 862 5 00000	USB	(AB/MPJ)
S06s	12165	17-8	1210	Mon	149 862 5 95693 44707 03156 44395 63319 862 5 00000	USB	(AB/MPJ)
S06s	15945	18-8	0600	Tue	438 501 6 12362 84620 80171 58802 49062 16409 501 6 00000	USB	(AB)
S06s	16945	18-8	0610	Tue	438 501 6 12362 84620 80171 58802 49062 16409 501 6 00000	USB	(AB)
S06s	5430	18-8	0700	Tue	452 839 6 69856 82541 98423 79033 15452 10002 839 6 00000	USB	(AB-POL)
S06s	6780	18-8	0720	Tue	452 839 6 69856 82541 98423 79033 15452 10002 839 6 00000	USB	(AB-POL)
S06s	7365	18-8	0730	Tue	427 916 5 20205 64336 95534 08446 87636 916 5 00000	USB	(AB)
S06s	11655	18-8	0740	Tue	427 916 5 20205 64336 95534 08446 87636 916 5 00000	USB	(AB)
S06s	14373	18-8	0800	Tue	127 830 5 73687 04565 39895 91670 29257 830 5 00000	USB	(AB)
S06s	12935	18-8	0810	Tue	127 830 5 73687 04565 39895 91670 29257 830 5 00000	USB	(AB)
S06s	4820	18-8	1000	Tue	427 860 5 69816 97314 15802 70076 29427 860 5 00000	USB	(AB-POL/MPJ-HNG)
S06s	5660	18-8	1010	Tue	427 860 5 69816 97314 15802 70076 29427 860 5 00000	USB	(AB-POL/MPJ-HNG)
S06s	6810	18-8	1100	Tue	265 stopped during callup	USB	(AB-HNG/MPJ-UKR)
S06s	7560	18-8	1110	Tue	265 814 7 36376 35685 65850 49884 66486 41299 81177 814 7 00000	USB	(AB-HNG/MPJ)
S06s	6766	18-8	1500	Tue	914 268 5 96515 16498 21643 84983 61687 268 5 00000	USB	(AB)
S06s	7744	18-8	1510	Tue	914 268 5 96515 16498 21643 84983 61687 268 5 00000	USB	(AB)
S06s	11530	19-8	0730	Wed	172 960 5 18283 10094 73140 16277 91943 960 5 00000	USB	(AB)
S06s	14977	19-8	0740	Wed	172 960 5 18283 10094 73140 16277 91943 960 5 00000	USB	(AB)
S06s	11565	19-8	0830	Wed	464 908 5 45150 54391 35358 51501 57465 980 5 00000	USB	(AB)
S06s	12560	19-8	0840	Wed	464 908 5 45150 54391 35358 51501 57465 980 5 00000	USB	(AB)
S06s	14580	19-8	1000	Wed	276 930 5 77659 08587 76869 03428 60211 930 5 00000	USB	(AB)
S06s	16020	19-8	1010	Wed	276 930 5 77659 08587 76869 03428 60211 930 5 00000	USB	(AB)
S06s	9255	20-8	0930	Thu	698 437 5 56330 03380 86295 35358 76869 437 5 00000	USB	(AB)
S06s	10325	20-8	0940	Thu	698 437 5 56330 03380 86295 35358 76869 437 5 00000	USB	(AB)
S06s	13145	20-8	1200	Thu	175 298 6 67859 31987 17473 51501 03428 76522 298 6 00000	USB	(AB/MPJ)
S06s	14535	20-8	1210	Thu	175 298 6 67859 31987 17473 51501 03428 76522 298 6 00000	USB	(AB/MPJ)
S06s	10290	21-8	0830	Fri	156 832 7 46692 63034 96502 00040 35152 59388 74983 832 7 000000	USB	(AB)
S06s	9655	21-8	0840	Fri	156 832 7 46692 63034 96502 00040 35152 59388 74983 832 7 000000	USB	(AB)
S06s	6844	21-8	0900	Fri	239 547 6 91943 58456 74439 59317 44671 77973 547 6 00000	USB	(AB)
S06s	7161	21-8	0910	Fri	239 547 6 91943 58456 74439 59317 44671 77973 547 6 00000	USB	(AB)

S06s	8221	24-8	0830	Mon	764 981 5 10002 08973 41716 50801 40123 981 5 00000	USB	(AB)
S06s	9353	24-8	0840	Mon	764 981 5 10002 08973 41716 50801 40123 981 5 00000	USB	(AB)
S06s	16380	24-8	0900	Mon	232 874 5 58755 82541 98376 35685 41713 874 5 00000	USB	(AB)
S06s	14835	24-8	0910	Mon	232 874 5 58755 82541 98376 35685 41713 874 5 00000	USB	(AB)
S06s	10230	24-8	1200	Mon	149 862 5 95693 44707 03156 44395 63319 862 5 00000	USB	(AB)
S06s	12165	24-8	1210	Mon	149 862 5 95693 44707 03156 44395 63319 862 5 00000	USB	(AB)
S06s	15945	25-8	0600	Tue	438 501 6 12362 84620 80171 58802 49062 16409 501 6 00000	USB	(AB-RUS)
S06s	16945	25-8	0610	Tue	438 501 6 12362 84620 80171 58802 49062 16409 501 6 00000	USB	(AB-RUS)
S06s	5430	25-8	0700	Tue	452 839 6 69856 82541 98423 79033 15452 10002 839 6 00000	USB	(AB-POL)
S06s	6780	25-8	0720	Tue	452 839 6 69856 82541 98423 79033 15452 10002 839 6 00000	USB	(AB)
S06s	7365	25-8	0730	Tue	427 916 5 20205 64336 95534 08446 87636 916 5 00000	USB	(AB)
S06s	11655	25-8	0740	Tue	427 916 5 20205 64336 95534 08446 87636 916 5 00000	USB	(AB)
S06s	14373	25-8	0800	Tue	127 830 5 73687 04565 39895 91670 29257 830 5 00000	USB	(AB)
S06s	12935	25-8	0810	Tue	127 830 5 73687 04565 39895 91670 29257 830 5 00000	USB	(AB)
S06s	4820	25-8	1000	Tue	427 860 5 69816 97314 15802 70076 29427 860 5 00000	USB	(AB-POL/MPJ-HNG)
S06s	5660	25-8	1010	Tue	427 860 5 69816 97314 15802 70076 29427 860 5 00000	USB	(AB-POL/MPJ-HNG)
S06s	6810	25-8	1100	Tue	265 814 7 36376 35685 65850 49884 66486 41299 81177 814 7 00000	USB	(AB-RUS/MPJ-HNG)
S06s	7560	25-8	1110	Tue	265 814 7 36376 35685 65850 49884 66486 41299 81177 814 7 00000	USB	(AB-HNG/MPJ-HNG)
S06s	6766	25-8	1500	Tue	914 268 5 96515 16498 21643 84983 61687 268 5 00000	USB	(AB/MPJ-HNG)
S06s	7744	25-8	1510	Tue	914 268 5 96515 16498 21643 84983 61687 268 5 00000	USB	(AB/MPJ-HNG)
S06s	11530	26-8	0730	Wed	172 960 5 18283 10094 73140 16277 91943 960 5 00000	USB	(AB)
S06s	14977	26-8	0740	Wed	172 960 5 18283 10094 73140 16277 91943 960 5 00000	USB	(AB)
S06s	11565	26-8	0830	Wed	464 908 5 45150 54391 35358 51501 57465 980 5 00000	USB	(AB)
S06s	12560	26-8	0840	Wed	464 908 5 45150 54391 35358 51501 57465 980 5 00000	USB	(AB)
S06s	14580	26-8	1000	Wed	276 930 5 77659 08587 76869 03428 60211 930 5 00000	USB	(AB)
S06s	16020	26-8	1010	Wed	276 930 5 77659 08587 76869 03428 60211 930 5 00000	USB	(AB)
S06s	9255	27-8	0930	Thu	698 437 5 56330 03380 86295 35358 76869 437 5 00000	USB	(AB)
S06s	10325	27-8	0940	Thu	698 437 5 56330 03380 86295 35358 76869 437 5 00000	USB	(AB)
S06s	13145	27-8	1200	Thu	175 298 6 67859 31987 17473 51501 03428 76522 298 6 00000	USB	(AB/MPJ)
S06s	14535	27-8	1210	Thu	175 298 6 67859 31987 17473 51501 03428 76522 298 6 00000	USB	(AB/MPJ)
S06s	10290	28-8	0830	Fri	156 832 7 46692 63034 96502 00040 35152 59388 74983 832 7 000000	USB	(AB)
S06s	9655	28-8	0840	Fri	156 832 7 46692 63034 96502 00040 35152 59388 74983 832 7 000000	USB	(AB)
S06s	6844	28-8	0900	Fri	239 547 6 91943 58456 74439 59317 44671 77973 547 6 00000	USB	(AB)
S06s	7161	28-8	0910	Fri	239 547 6 91943 58456 74439 59317 44671 77973 547 6 00000	USB	(AB)
S06s	16320	31-8	0630	Mon	462 873 5 11169 03439 43548 19152 23063 873 5 00000	USB	(AB)
S06s	14875	31-8	0640	Mon	462 873 5 11169 03439 43548 19152 23063 873 5 00000	USB	(AB)
S06s	8221	31-8	0830	Mon	764 764 764 00000	USB	(AB)
S06s	9353	31-8	0840	Mon	764 764 764 00000	USB	(AB)
S06s	16380	31-8	0900	Mon	232 232 232 00000	USB	(AB)
S06s	14835	31-8	0910	Mon	232 232 232 00000	USB	(AB)
S06s	10230	31-8	1200	Mon	149 149 149 00000	USB	(AB/MPJ)
S06s	12165	31-8	1210	Mon	149 149 149 00000	USB	(AB/MPJ)
S11a	12457	1-8	1850	Sat	288/00	USB	(AB/MPJ)
S11a	13537	3-8	0510	Mon	659/36 Vnimanaye 86799 05890 31518 ... 30017 31974 18513 Vnimanaye (message repeated) Konets	USB	(AB-POL)

S11a	9339	3-8	0700	Mon	475/39 Vnimanaye 58682 31923 67034 ... 37845 72153 02176 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	15720	3-8	0715	Mon	380/00	USB	(AB)
S11a	5082	3-8	0915	Mon	485/00	USB	(AB)
S11a	6977	4-8	1020	Tue	420/00	USB	(AB)
S11a	13537	5-8	0510	Wed	659/36 Vnimanaye 86799 05890 31518 ... 30017 31974 18513 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	15720	5-8	0715	Wed	384/00	USB	(AB)
S11a	5149	5-8	1135	Wed	370/35 Vnimanaye 15511 58695 66150 ... 67191 41451 09774 Vnimanaye (message repeated) Konets	USB	(MPJ)
S11a	12457	5-8	1850	Wed	284/00	USB	(AB/MPJ)
S11a	9339	6-8	0700	Thu	475/39 Vnimanaye 58682 31923 67034 ... 37845 72153 02176 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5082	7-8	0915	Fri	482/00	USB	(AB)
S11a	6977	7-8	1015	Fri	422/00	USB	(AB)
S11a	5149	7-8	1135	Fri	370/35 Vnimanaye 15511 58695 66150 ... 67191 41451 09774 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	12457	8-8	1850	Sat	282/00	USB	(MPJ)
S11a	13537	10-8	0510	Mon	655/00	USB	(AB-POL)
S11a	9339	10-8	0700	Mon	472/00	USB	(AB)
S11a	15720	10-8	0715	Mon	383/00	USB	(AB)
S11a	5082	10-8	0915	Mon	481/00	USB	(AB)
S11a	6977	11-8	1020	Tue	425/00	USB	(AB)
S11a	13537	12-8	0510	Wed	651/00	USB	(AB)
S11a	15720	12-8	0715	Wed	385/00	USB	(AB)
S11a	5149	12-8	1135	Wed	377/00	USB	(AB/MPJ)
S11a	12457	12-8	1850	Wed	287/00	USB	(AB/MPJ)
S11a	9339	13-8	0700	Thu	470/00	USB	(AB)
S11a	5082	14-8	0915	Fri	483/00	USB	(AB)
S11a	6977	14-8	1015	Fri	425/00	USB	(AB)
S11a	5149	14-8	1135	Fri	378/00	USB	(AB/MPJ)
S11a	12457	15-8	1850	Sat	280/00	USB	(AB/MPJ)
S11a	13537	17-8	0510	Mon	651/00	USB	(AB)
S11a	9339	17-8	0700	Mon	472/00	USB	(AB)
S11a	15720	17-8	0715	Mon	381/35 Vnimanaye 03929 56120 00466 ... 96506 95635 17402 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5082	17-8	0915	Mon	481/00	USB	(AB)
S11a	6977	18-8	1020	Tue	427/36 Vnimanaye 26516 30139 96561 ... 54430 53905 15701 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
S11a	13537	19-8	0510	Wed	654/00	USB	(AB)
S11a	15720	19-8	0715	Wed	381/35 Vnimanaye 03929 56120 00466 ... 96506 95635 17402 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5149	19-8	1135	Wed	373/00	USB	(AB)
S11a	12457	19-8	1850	Wed	280/38 Vnimanaye 25458 27638 91926 ... 84196 05600 34726 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
S11a	9339	20-8	0700	Thu	478/00	USB	(AB)
S11a	5082	21-8	0915	Fri	483/00	USB	(AB)
S11a	6977	21-8	1015	Fri	420/00	USB	(AB)
S11a	6977	21-8	1015	Fri	427/36 Vnimanaye 26516 30139 96561 ... 54430 53905 15701 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5149	21-8	1135	Fri	378/00	USB	(AB)
S11a	12457	22-8	1850	Sat	280/38 Vnimanaye 25458 27638 91926 ... 84196 05600 34726 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
S11a	13537	24-8	0510	Mon	655/00	USB	(AB-POL)
S11a	9339	24-8	0700	Mon	478/00	USB	(AB)

S11a	15720	24-8	0715	Mon	385/00	USB	(AB-POL)
S11a	5082	24-8	0915	Mon	481/36 Vnimanaye 81145 42577 51652 ... 99397 67661 53904 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	6977	25-8	1020	Tue	422/00	USB	(AB)
S11a	13537	26-8	0510	Wed	659/00	USB	(AB)
S11a	15720	26-8	0715	Wed	387/00	USB	(AB)
S11a	5149	26-8	1135	Wed	372/00	USB	(AB/MPJ)
S11a	12457	26-8	1850	Wed	288/00	USB	(AB/MPJ)
S11a	9339	27-8	0700	Thu	470/00	USB	(AB)
S11a	5082	28-8	0915	Fri	481/36 Vnimanaye 81145 42577 51652 ... 99397 67661 53904 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5149	28-8	1135	Fri	378/00	USB	(AB)
S11a	12457	29-8	1850	Sat	284/00	USB	(AB/MPJ)
S11a	13537	31-8	0510	Mon	659/00	USB	(AB-POL)
S11a	9339	31-8	0700	Mon	476/00	USB	(AB)
S11a	15720	31-8	0715	Mon	383/00	USB	(AB)
S11a	5082	31-8	0915	Mon	484/00	USB	(AB)
S28	4625	17-8	1252	Mon	VZhCH 69445 AZOTOSAD 1560 8868	USB	(Gwr)
S28	4625	21-8	1554	Fri	Russian military. Buzzer marker	USB	(AB)
S28	4625	21-8	1720	Fri	'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YeIYY 69536 32000 ... GNETOTOR 7321 8673 Priyom	USB	(JM5/IK00ZK)
S28	4625	22-8	1305	Sat	'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 2GETS 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YEIYY 16532 60735 53207 ... 40791 41063 24537 IKROMET 6277 1881 Priyom	USB	(IK00ZK)
S28	4625	22-8	1506	Sat	'M4T 5PTSB LNTM ZhD9S MSZh7 28YA YeDGShch 2GETS 7U8T KhIZhY OMP4 58Shch1 53AY AMVS 34ShchK V'TD YEIYY 34532 25876 72427 ... 39223 85666 01562 GUL'BISHCHE 1569 4842 Priyom	USB	(IK00ZK)
S28	4625	27-8	1013	Thu	error in first reading ANVF 16551 ZOO - sboj - 16551 ZOOTYeHNIKA 8326 9314	USB	(Gwr)
S30	5448	3-8	1102	Mon	8S1Shch SBYTOSYeV 212. No follow up message from S32, only Vega.	USB	(Gwr)
S30	5448	3-8	1103	Mon	8S1Shch EhROSOSKIP 263. No follow up message from S32, only Vega.	USB	(Gwr)
S30	5448	3-8	1107	Mon	8S1Shch ChYeSTNOST' 251. No follow up message from S32, only Vega.	USB	(Gwr)
S30	5448	3-8	1243	Mon	8S1Shch 07257 BANKOMORZh 1183 9574	USB	(Gwr)
S30	5448	3-8	1257	Mon	5J7Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye F61N 37CN MUDR 7VNShch	USB	(Gwr)
S30	5448	6-8	1144	Thu	8S1Shch 48092 LAMPA 0156 6435	USB	(Gwr)
S30	5448	6-8	1603	Thu	L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z' NLCYe (Same callsign pools and order as May 5th)	USB	(Gwr)
S30	5448	10-8	1253	Mon	TUZR 5J7Shch 81857 SPADOTAL 5670 6970 no follow up message from rest of network	USB	(Gwr)
S30	5448	10-8	1256	Mon	8S1Shch 95330 KYeNOTRAL 3104 7598	USB	(Gwr)
S30	5448	12-8	1321	Wed	8S1Shch 94941 LIFODAR 7877 7407	USB	(Gwr)
S30	5448	12-8	1337	Wed	8S1Shch 34272 GAZOFAZA 3645 9603	USB	(Gwr)
S30	5448	12-8	1348	Wed	8S1Shch 34850 BYeSKORMICA 8721 3432 (1437z and 1438z monolits both for same recipient: 34850)	USB	(Gwr)
S30	5448	12-8	1355	Wed	DMC3 4RVZ 25991 SHAMUR 2312 1500	USB	(Gwr)
S30	5448	12-8	1358	Wed	8S1Shch 68774 TUROVYJ 3349 1572	USB	(Gwr)
S30	5448	12-8	1402	Wed	8S1Shch 01268 HAHON 1700 1344	USB	(Gwr)
S30	5448	12-8	1437	Wed	8S1Shch 34850 MUHOLYeT 6277 3007 (1437z and 1438z monolits both for same recipient: 34850)	USB	(Gwr)
S30	6981	12-8	1445	Wed	8S1Shch 24832 DANGUN' 6153 7854	USB	(Gwr)
S30	5448	12-8	1450	Wed	8S1Shch 67981 BYeSKORMICA 8721 3432	USB	(Gwr)
S30	6981	12-8	1453	Wed	8MUO TUZR 00472 KRYeMOSOL 1109 8937 (discrepancies in reading, mixes up TUZR callsign as part of the message)	USB	(Gwr)

S30	6981	12-8	1457	Wed	8S1Shch 07460 VATOVYJ 1400 1525	USB	(Gwr)
S30	5448	12-8	1503	Wed	8S1Shch YaLOHOR 209	USB	(Gwr)
S30	5448	12-8	1504	Wed	8S1Shch ChYeSTNOST' 251	USB	(Gwr)
S30	5448	12-8	1505	Wed	8S1Shch SBYTOSYeV 212	USB	(Gwr)
S30	5448	13-8	1034	Thu	8S1Shch 37293 MOLOKOT 2932 1557	USB	(Gwr)
S30	5448	13-8	1109	Thu	8S1Shch 79935 MAJNOSYeUL 3154 6695	USB	(Gwr)
S30	5448	13-8	1335	Thu	8S1Shch SBYTOSYeV 212	USB	(Gwr)
S30	5448	13-8	1336	Thu	8S1Shch ChYeSTNOST' 251	USB	(Gwr)
S30	5448	13-8	1411	Thu	8S1Shch 55219 DYeRYeVYeNShchINA 2241 1787	USB	(Gwr)
S30	5448	14-8	1414	Fri	8S1Shch SBYTOSYeV 212 ChYeSTNOST' 251	USB	(Gwr)
S30	5448	14-8	1418	Fri	8S1Shch MUSONNYJ 4061	USB	(Gwr)
S30	5448	14-8	1504	Fri	8S1Shch UTIHANIYe 1839	USB	(Gwr)
S30	5448	14-8	1512	Fri	8S1Shch BYTOSTIH 6759	USB	(Gwr)
S30	5448	17-8	1252	Mon	8S1Shch 65853 KOLLIZIYa 0154 6779	USB	(Gwr)
S30	6913	17-8	1505	Mon	Radiogram i.p. 74819 95006 13333 17025 = 640 28 17 17 55 640 = 625 = 03820 93858 81655 ... 64227 66971 17026	USB	(Gwr)
S30	5448	17-8	1524	Mon	8S1Shch SBYTOSYeV 212	USB	(Gwr)
S30	5448	17-8	1525	Mon	8S1Shch ChYeSTNOST' 251	USB	(Gwr)
S30	5448	17-8	1526	Mon	8S1Shch ShchITONARY 260	USB	(Gwr)
S30	6913	19-8	1150	Wed	Zapad-55 ya Zvuk-28 primite 2 radiogramma 902 22 19 14 40 902 = 321 = DDDDD ZODAO KSNRK ... NKUCHA YHRGP YaOPVP = 241 23 19 14 45 241 = 321 = 14820 77014 51144 ... 90514 49223 19021 Priyom	USB	(Gwr)
S30	5448	19-8	1419	Wed	VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS'	USB	(Gwr)
S30	5448	20-8	1045	Thu	8S1Shch 52058 LYuCYeRN 1180 3122	USB	(Gwr)
S30	5448	20-8	1422	Thu	Y8VM 612Zh 8CSchJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI (same stations and order as Feb 14th and 27th)	USB	(Gwr)
S30	5448	21-8	0859	Fri	8S1Shch ChYeSTNOST' 151	USB	(Gwr)
S30	5448	21-8	1111	Fri	F61N 37CN MUDR 7VNSchh Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG	USB	(Gwr)
S30	5448	21-8	1416	Fri	8S1Shch SBYTOSYeV 212	USB	(Gwr)
S30	5448	21-8	1417	Fri	8S1Shch ChYeSTNOST' 251	USB	(Gwr)
S30	5448	21-8	1418	Fri	8S1Shch YaLOHOR 209	USB	(Gwr)
S30	5448	21-8	1556	Fri	Russian military. Pip marker	USB	(AB)
S30	5448	26-8	1426	Wed	8S1Shch SBYTOSYeV 212 ChYeSTNOST' 251	USB	(Gwr)
S30	5448	26-8	1441	Wed	8S1Shch SBYTOSYeV 112	USB	(Gwr)
S30	5448	26-8	1442	Wed	8S1Shch YaLOHOR 109	USB	(Gwr)
S30	5448	27-8	1011	Thu	8S1Shch 61926 ZOLOTCTYe 3340 3909	USB	(Gwr)
S30	5448	28-8	1402	Fri	8S1Shch ShchITNONARY 260	USB	(Gwr)
S30	5448	28-8	1453	Fri	3VS' DKJ1 ZhD9V 42BR 81BR M7KS PMV5 L'GJ KZI' TShchShchS	USB	(Gwr)
S32	5473	3-8	1248	Mon	Al'fa-45 65087 DOYaROShTOF 5308 8190	USB	(Gwr)
S32	5473	6-8	1148	Thu	Al'fa-45 82413 ZALYeTNYJ 9347 8545	USB	(Gwr)
S32	5473	7-8	1357	Fri	Dubler-68 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Alyeut-09 Landysh-74 Ruzh'e-26 Nevka-26	USB	(Gwr)
S32	5473	10-8	1304	Mon	Al'fa-45 02162 MEhTROLAZ 5365 1664	USB	(Gwr)
S32	5473	10-8	1440	Mon	Dubler-68 Penza-07 Leggina-38 Firna-85 Sliva-94 Alyeut-09 Storozh-62 Nevka-26	USB	(Gwr)
S32	5473	12-8	1325	Wed	Al'fa-45 92976 KUMOSH PON 1859 1623	USB	(Gwr)
S32	5473	12-8	1339	Wed	Al'fa-45 61434 OBLACHNOST' 9487 2386	USB	(Gwr)

S32	5473	12-8	1402	Wed	Al'fa-45 14297 MASHYeROChKA 8497 7768	USB	(Gwr)
S32	5473	12-8	1404	Wed	Al'fa-45 31252 ZhILIShchYe 8286 2177	USB	(Gwr)
S32	5473	12-8	1434	Wed	Al'fa-45 15352 NYePRILICHNYJ 0235 6395(transmitted before corresponding S30 msg, rare)	USB	(Gwr)
S32	5473	12-8	1442	Wed	Al'fa-45 38433 KRYeSTNICA 6229 5811	USB	(Gwr)
S32	5473	12-8	1452	Wed	Al'fa-45 59912 MEhTROSVAT 7883 7877	USB	(Gwr)
S32	5473	13-8	1418	Thu	Al'fa-45 27505 OBLADAN'Ye 4562 6658	USB	(Gwr)
S32	5473	13-8	1435	Thu	Penza-07 Yahta-94 Firna-85 Shuler-60 Utes-94 Fontan-34 Alyeut-09 Ruzh'e-26 Nevka-26 Kurgan-40	USB	(Gwr)
S32	5473	14-8	1431	Fri	Al'fa-45 MUSONNYJ 4061	USB	(Gwr)
S32	5473	14-8	1509	Fri	Al'fa-45 UTIHANIYe 1839	USB	(Gwr)
S32	5473	14-8	1518	Fri	Al'fa-45 BYTOSTIH 6759	USB	(Gwr)
S32	5473	17-8	1358	Mon	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh'-74 Storozh-62 Nevka-26	USB	(Gwr)
S32	5473	19-8	1447	Wed	Dubler-68 Yahta-94 Pesochnyj-21 Shuler-60 Utes-94 Alyeut-09 Fakyel-36 Storozh-62	USB	(Gwr)
S32	5473	20-8	1048	Thu	Al'fa-45 05450 MILITARIZM 0832 1793	USB	(Gwr)
S32	5473	21-8	1409	Fri	Al'fa-45 LAPTA 5998 (Uzor message given independent of network. No S30 beforehand)	USB	(Gwr)
S32	5473	21-8	1445	Fri	Al'fa-45 GRUDA 5105 (Uzor message given independent of network. No S30 beforehand)	USB	(Gwr)
S32	5474	21-8	1556	Fri	Russian military. Squeaky Wheel marker	USB	(AB)
S32	5473	26-8	1340	Wed	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26	USB	(Gwr)
S32	5473	27-8	1015	Thu	Al'fa-45 90660 VIZGOLYeT 0333 1740	USB	(Gwr)
S32	5473	28-8	1416	Fri	Penza-07 Yahta-94 Firna-85 Stupa-32 Dzhigit-46 Landysh-74 Storozh-62 Nevka-26	USB	(Gwr)
UM03	8250	13-8	0940	Thu	6A4UD NT73U AR 03 03 CK 100 CK 100 TIME 1640 TIME 1640 DATE 1308 DATE 1308 = D45A6 T6A7U 6U73N ... //8410 kHz	CW	(JPL-HK)
UM03	8410	13-8	0940	Thu	6A4UD NT73U AR 03 03 CK 100 CK 100 TIME 1640 TIME 1640 DATE 1308 DATE 1308 = D45A6 T6A7U 6U73N ... //8250 kHz	CW	(JPL-HK)
UM03	8250	18-8	0928	Tue	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 1630 TIME 1630 DATE 1808 DATE 1808 = //7920, 8410 kHz	CW	(JPL-HK)
UM03	7920	18-8	0928	Tue	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 1630 TIME 1630 DATE 1808 DATE 1808 = //8250, 8410 kHz	CW	(JPL-HK)
UM03	8410	18-8	0928	Tue	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 1630 TIME 1630 DATE 1808 DATE 1808 = //7920, 8250 kHz	CW	(JPL-HK)
UM03	7787	20-8	0930	Thu	NR25 NR 25 CK 33 16.. = TT33D 57AAD D4457 57735 TA656 (Cont/Ed) AR ZNN A HR 7DT7U 7DT7U R HR	CW	(JPL-TWN)
UM10	3205	24-8	1633	Mon	10-minutes net: EM4X	CW	(JPL-CHN)
V07	13464	2-8	0300	Sun	415 415 415 1 354 86 354 86 87541 17579 66259 ... 14443 23697 74419 000 000	USB	(Dan-J)
V07	12164	9-8	0300	Sun	415 415 415 1 8546 50 64472 95204 00235 67128 99363 97584 000 000	USB	(Dan)
V07	13464	9-8	0300	Sun	415 415 415 1 8546 50 64472 95204 00235 67128 99363 97584 000 000	USB	(Dan)
V07	11564	9-8	0300	Sun	415 415 415 1 8546 50 64472 95204 00235 67128 99363 97584 000 000	USB	(Dan)
V07	13464	16-8	0300	Sun	415 415 415 1 6813 24 6813 24 28584 19156 54238 ... 07021 94465 19568 000 000	USB	(Dan-J)
V07	13464	23-8	0300	Sun	415 415 415 1 1349 108 1349 108 92820 00993 84623 ... 74238 34881 09722 000 000	USB	(Dan-J)
V07	13464	30-8	0300	Sun	415 415 415 1 285 128 11113 59010 57807 15041 58540 84786 42588 000 000	USB	(Dan-J/HFD-USA)
V07	12164	30-8	0320	Sun	415 415 415 1 285 128 11113 59010 57807 15041 58540 84786 42588 000 000	USB	(HFD-USA)
V07	11564	30-8	0340	Sun	415 415 415 1 285 128 11113 59010 57807 15041 58540 84786 42588 000 000	USB	(HFD-USA)
V13	18040	4-8	0001	Tue	New Star Broadcasting Station. Flute music, then YL with very short message in Chinese	USB	(BW3-J)
V13	18040	5-8	0000	Wed	New Star Broadcasting Station #2	USB	(Danix-KOR)
V13	15890	7-8	1200	Fri	New Star Broadcasting Station. Oriental flute tune followed by a message in Chinese	USB	(AB-RUS)
V13	9276	8-8	0200	Sat	New Star Broadcasting Station #3	USB	(Danix-HK)

V13	15890	8-8	1200	Sat	New Star Broadcasting Station #2 (repeat of 5 Aug)	USB	(Danix-INS)
V26	4364	10-8	1130	Mon	BNGC DE XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8073	10-8	1130	Mon	BNGC DE XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	8073	25-8	1132	Tue	Callup in Chinese voice. Male operator //4364	USB	(JPL)
V26	4364	25-8	1132	Tue	Callup in Chinese voice. Male operator //8073	USB	(JPL)
V28	3047	3-8	2100	Mon	Parrot. Message in Korean	AM	(HK)
V28	4978	3-8	2100	Mon	Parrot. Message in Korean	AM	(HK)
V28	2985	3-8	2104	Mon	Parrot. Message in Korean. Male operator	AM	(HK)
V28	2985	3-8	2104	Mon	Parrot. Message in Korean. Male operator	USB	(HK)
V28	4978	3-8	2109	Mon	Parrot. Message in Korean	USB	(HK)
V28	3047	3-8	2109	Mon	Parrot. Message in Korean	USB	(HK)
V28	4623	4-8	0900	Tue	Parrot. Message in Korean	USB	(HK)
V28	5137	4-8	0900	Tue	Parrot. Message in Korean	USB	(HK)
V28	4623	4-8	0900	Tue	Parrot. Message in Korean	AM	(HK)
V28	3518	4-8	0900	Tue	Parrot. Message in Korean	AM	(HK)
V28	5137	4-8	0900	Tue	Parrot. Message in Korean	AM	(HK)
V28	2996	11-8	2107	Tue	Parrot. Message in Korean	AM	(HK)
V28	4976	11-8	2107	Tue	Parrot. Message in Korean	AM	(HK)
V28	4471	11-8	2107	Tue	Parrot. Message in Korean	AM	(HK)
V28	3048	11-8	2107	Tue	Parrot. Message in Korean	AM	(HK)
X06	10161	3-8	0648	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(DMS)
X06	14377	3-8	0731	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(DMS)
X06	11438	3-8	0803	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(DMS)
X06	16103	5-8	1229	Wed	MFA Moscow clg 231654 Russian embassy Abuja	MFSK-6	(DSM)
X06	12207	6-8	1118	Thu	MFA Moscow clg 215346: Russian Consulate General, Mumbai	MFSK-6	(tING)
X06	16132	6-8	1231	Thu	MFA Moscow clg 352416 Russian embassy Dar as Salaam	MFSK-6	(DSM)
X06	16277	8-8	0914	Sat	MFA Moscow clg 436512 Russian embassy Harare	MFSK-6	(DSM)
X06	11413	8-8	1102	Sat	MFA Moscow clg 436512 Russian embassy Harare	MFSK-6	(DSM)
X06	17475	10-8	0813	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	10372	10-8	0848	Mon	MFA Moscow clg 431625 Russian embassy Warsaw	MFSK-6	(DMS)
X06	13517	10-8	0929	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	12177	10-8	1240	Mon	MFA Moscow clg 364152 Russian embassy New Delhi	MFSK-6	(DMS)
X06	11153	12-8	0926	Wed	MFA Moscow clg 465132 Russian embassy Sofia	MFSK-6	(DMS)
X06	14944	12-8	1146	Wed	MFA Moscow clg 621543 Russian embassy Lisbon	MFSK-6	(DMS)
X06	12177	14-8	0829	Fri	MFA Moscow clg 356412 Russian embassy Berlin	MFSK-6	(AB)
X06	10161	17-8	0646	Mon	MFA Moscow clg 165324 Russian embassy Vienna	MFSK-6	(DMS)
X06	11562	17-8	0740	Mon	MFA Moscow clg 432516 Russian embassy Bern	MFSK-6	(DMS)
X06	12199	17-8	0815	Mon	MFA Moscow clg 532614 Russian embassy Paris	MFSK-6	(DMS)
X06	12199	17-8	0819	Mon	MFA Moscow clg 356412 Russian embassy Paris	MFSK-6	(AB)
X06	14812	18-8	0917	Tue	MFA Moscow clg 246531 Russian embassy Accra	MFSK-6	(DMS)
X06	11537	24-8	0803	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(DMS)
X06	17475	24-8	0912	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(DMS)
X06	12177	24-8	1244	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(DMS)
X06	13510	28-8	0456	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(DMS)

X06	15920	28-8	0504	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(DMS)
X06	15920	28-8	0512	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(DMS)
X06	11095	28-8	0520	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(DMS)
X06b	14372	3-8	0826	Mon	111666 before XPA2	MFSK-6	(DMS)
X06b	13372	3-8	0826	Mon	111666 before XPA2	MFSK-6	(DMS)
X06b	12172	3-8	0827	Mon	111666 before XPA2	MFSK-6	(DMS)
X06b	13376	3-8	1123	Mon	111666 before XPB1	MFSK-6	(DMS)
X06b	12176	3-8	1124	Mon	111666 before XPB1. Also at 1134 and 1138 UTC	MFSK-6	(DMS)
X06b	15876	8-8	1107	Sat	111666 before XPB1 also at 1116 and 1124 UTC	MFSK-6	(DSM)
X06b	13376	8-8	1111	Sat	111666 before XPB1	MFSK-6	(DSM)
X06b	13976	8-8	1112	Sat	111666 before XPB1 also at 1121 UTC	MFSK-6	(DSM)
X06b	14376	8-8	1113	Sat	111666 before XPB1 also at 1122 UTC	MFSK-6	(DSM)
X06b	14876	8-8	1115	Sat	111666 before XPB1 also at 1123 UTC	MFSK-6	(DSM)
X06b	12159	9-8	2005	Sun	111666 before XPA2. Also at 2008 UTC	MFSK-6	(Dan)
X06b	12159	16-8	1053	Sun	Sequence 111666 before XPA2. Also at 1959 UTC	MFSK-6	(Dan)
X06b	11559	18-8	0409	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	12159	18-8	0410	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	13459	18-8	0411	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	13959	18-8	0412	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	14459	18-8	0413	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	11559	18-8	0418	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	12159	18-8	0419	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	13459	18-8	0420	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	13959	18-8	0420	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	14959	18-8	0422	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	14459	18-8	0422	Tue	111666 before XPB	MFSK-6	(DMS)
X06b	11559	18-8	0425	Tue	116116 before XPB	MFSK-6	(DMS)
X06b	12152	26-8	0608	Wed	Sequence 611116 before XPA2	MFSK-6	(DMS)
X06b	13372	27-8	0800	Thu	111666 before XPA2	MFSK-6	(AB)
X06b	12152	31-8	0614	Mon	Sequence 611116 before XPA2	MFSK-6	(DMS)
X06c	16190	13-8	0807	Thu	Test Sequence 123456	MFSK-6	(DMS)
X06c	14875	13-8	0908	Thu	Test Sequence 123456	MFSK-6	(DMS)
X06c	14875	13-8	0930	Thu	Sequence 123456	MFSK-6	(FT/AB)
XPA1	10234	4-8	0710	Tue	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB/HFD)
XPA1	11511	4-8	0730	Tue	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB/HFD)
XPA1	12117	4-8	0750	Tue	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB/HFD)
XPA1	10234	6-8	0710	Thu	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB)
XPA1	11511	6-8	0730	Thu	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB)
XPA1	12117	6-8	0750	Thu	829 829 829 1 00146 00078 51126 ... 82800 32635 11112	MFSK-20/10bd	(AB)
XPA1	10234	11-8	0710	Tue	829 829 829 000 03535 00001 00000 36256	MFSK-20/10bd	(AB)
XPA1	11511	11-8	0730	Tue	829 829 829 000 03535 00001 00000 36256	MFSK-20/10bd	(AB)
XPA1	12117	11-8	0750	Tue	829 829 829 000 03535 00001 00000 36256	MFSK-20/10bd	(AB)
XPA1	10234	13-8	0710	Thu	829 829 829 000 07882 00001 00000 36267	MFSK-20/10bd	(AB)
XPA1	11511	13-8	0730	Thu	829 829 829 000 07882 00001 00000 36267	MFSK-20/10bd	(AB)

XPA1	12117	13-8	0750	Thu	829 829 829 000 07882 00001 00000 36267	MFSK-20/10bd	(AB)
XPA1	10234	18-8	0710	Tue	829 829 829 000 09156 00001 00000 34666	MFSK-20/10bd	(AB)
XPA1	11511	18-8	0730	Tue	829 829 829 000 09156 00001 00000 34666	MFSK-20/10bd	(AB)
XPA1	12117	18-8	0750	Tue	829 829 829 000 09156 00001 00000 34666	MFSK-20/10bd	(AB)
XPA1	10234	20-8	0710	Thu	829 829 829 000 04338 00001 00000 36657	MFSK-20/10bd	(AB)
XPA1	11511	20-8	0730	Thu	829 829 829 000 04338 00001 00000 36657	MFSK-20/10bd	(AB)
XPA1	12117	20-8	0750	Thu	829 829 829 000 04338 00001 00000 36657	MFSK-20/10bd	(AB)
XPA1	10234	25-8	0710	Tue	829 829 829 000 08984 00001 00000 37670	MFSK-20/10bd	(AB)
XPA1	11511	25-8	0730	Tue	829 829 829 000 08984 00001 00000 37670	MFSK-20/10bd	(AB)
XPA1	12117	25-8	0750	Tue	829 829 829 000 08984 00001 00000 37670	MFSK-20/10bd	(AB)
XPA1	10234	27-8	0710	Thu	Stopped after 18 seconds	MFSK-20/10bd	(AB)
XPA1	11511	27-8	0730	Thu	829 829 829 000 06186 00001 00000 34666	MFSK-20/10bd	(AB)
XPA1	12117	27-8	0750	Thu	829 829 829 000 06186 00001 00000 34666	MFSK-20/10bd	(AB)
XPA2	14372	1-8	0910	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB/HFD)
XPA2	13372	1-8	0930	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB/HFD)
XPA2	12172	1-8	0950	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB/HFD)
XPA2	13825	1-8	1500	Sat	09034 00001 00000 33264	MFSK-16/20Bd	(AB/HFD)
XPA2	12125	1-8	1520	Sat	09034 00001 00000 33264	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	1-8	1540	Sat	09034 00001 00000 33264	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	2-8	2100	Sun	00271 00078 08013 ... 91934 15876 34251	MFSK-16/20bd	(AB/RL/Dan)
XPA2	11559	2-8	2120	Sun	00271 00078 08013 ... 91934 15876 34251	MFSK-16/20bd	(AB/RL/Dan)
XPA2	10559	2-8	2140	Sun	00271 00078 08013 ... 91934 15876 34251	MFSK-16/20bd	(AB/RL/Dan)
XPA2	12152	3-8	0700	Mon	07040 00001 00000 31263	MFSK-16/20Bd	(AB/HFD)
XPA2	13552	3-8	0720	Mon	07040 00001 00000 31263	MFSK-16/20Bd	(AB/HFD)
XPA2	13952	3-8	0740	Mon	07040 00001 00000 31263	MFSK-16/20Bd	(AB/HFD)
XPA2	18059	3-8	0910	Mon	06739 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	16093	3-8	0930	Mon	06739 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14874	3-8	0950	Mon	06739 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13825	3-8	1500	Mon	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	3-8	1520	Mon	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	3-8	1540	Mon	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	4-8	1600	Tue	09113 00001 00000 33262	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	4-8	1620	Tue	09113 00001 00000 33262	MFSK-16/20Bd	(AB/MPJ)
XPA2	13464	4-8	1640	Tue	09113 00001 00000 33262	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	4-8	2100	Tue	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/RL)
XPA2	11559	4-8	2120	Tue	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/RL)
XPA2	10559	4-8	2140	Tue	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/RL)
XPA2	12152	5-8	0700	Wed	08124 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	13552	5-8	0720	Wed	08124 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	13952	5-8	0740	Wed	08124 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	16264	5-8	1100	Wed	msg	MFSK-16/20Bd	(HFD)
XPA2	15864	5-8	1120	Wed	msg	MFSK-16/20Bd	(HFD)
XPA2	14864	5-8	1140	Wed	msg	MFSK-16/20Bd	(HFD)
XPA2	13919	5-8	1200	Wed	03230 00001 00000 32256	MFSK-16/20Bd	(AB/MPJ/HFD)

XPA2	14719	5-8	1220	Wed	03230 00001 00000 32256	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	16219	5-8	1240	Wed	03230 00001 00000 32256	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14372	6-8	0910	Thu	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	13372	6-8	0930	Thu	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	12172	6-8	0950	Thu	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	16264	6-8	1100	Thu	09865 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	15864	6-8	1120	Thu	09865 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	14864	6-8	1140	Thu	09865 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	14864	6-8	1600	Thu	08783 00001 00000 36270	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14364	6-8	1620	Thu	08783 00001 00000 36270	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13464	6-8	1640	Thu	08783 00001 00000 36270	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13919	7-8	1200	Fri	03182 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	14719	7-8	1220	Fri	03182 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	16219	7-8	1240	Fri	03182 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	14372	8-8	0910	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	13372	8-8	0930	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	12172	8-8	0950	Sat	00403 00068 19348 ... 85172 17651 77417	MFSK-16/20Bd	(AB)
XPA2	13825	8-8	1500	Sat	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(MPJ)
XPA2	12125	8-8	1520	Sat	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(MPJ)
XPA2	11025	8-8	1540	Sat	02407 00263 33035 ... 89629 42544 01755	MFSK-16/20Bd	(MPJ)
XPA2	12159	9-8	2100	Sun	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/Dan/RL/HFD)
XPA2	11559	9-8	2120	Sun	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/Dan/RL/HFD)
XPA2	10559	9-8	2140	Sun	00678 00068 68598 ... 62329 44696 02416	MFSK-16/20bd	(AB/Dan/RL/HFD)
XPA2	12152	10-8	0700	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13552	10-8	0720	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13952	10-8	0740	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	18059	10-8	0910	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	16093	10-8	0930	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	14874	10-8	0950	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	13825	10-8	1500	Mon	07754 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	10-8	1520	Mon	07754 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	10-8	1540	Mon	07754 00001 00000 36664	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	11-8	1600	Tue	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB)
XPA2	14364	11-8	1620	Tue	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB)
XPA2	13464	11-8	1640	Tue	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB)
XPA2	12159	11-8	2100	Tue	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/Dan)
XPA2	11559	11-8	2120	Tue	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/Dan)
XPA2	10559	11-8	2140	Tue	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/Dan)
XPA2	12152	12-8	0700	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13552	12-8	0720	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13952	12-8	0740	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	18059	12-8	0910	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	16093	12-8	0930	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	14874	12-8	0950	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)

XPA2	16264	12-8	1100	Wed	08120 00001 00000 31662	MFSK-16/20Bd	(AB/MPJ)
XPA2	15864	12-8	1120	Wed	08120 00001 00000 31662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	12-8	1140	Wed	08120 00001 00000 31662	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	12-8	1200	Wed	05261 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	14719	12-8	1220	Wed	05261 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	16219	12-8	1240	Wed	05261 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	14372	13-8	0910	Thu	03223 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	13372	13-8	0930	Thu	03223 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	12172	13-8	0950	Thu	03223 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	16264	13-8	1100	Thu	03060 00001 00000 21662	MFSK-16/20Bd	(AB)
XPA2	15864	13-8	1120	Thu	03060 00001 00000 21662	MFSK-16/20Bd	(AB)
XPA2	14864	13-8	1140	Thu	03060 00001 00000 21662	MFSK-16/20Bd	(AB)
XPA2	14864	13-8	1600	Thu	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	13-8	1620	Thu	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB/MPJ)
XPA2	13464	13-8	1640	Thu	00410 00215 94782 ... 99104 73621 04553	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	14-8	1200	Fri	03868 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	14-8	1220	Fri	03868 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	14-8	1240	Fri	03868 00001 00000 41261	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	15-8	0910	Sat	04825 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	13372	15-8	0930	Sat	04825 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	12172	15-8	0950	Sat	04825 00001 00000 37656	MFSK-16/20Bd	(AB)
XPA2	13825	15-8	1500	Sat	04562 00001 00000 34662	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	15-8	1520	Sat	04562 00001 00000 34662	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	15-8	1540	Sat	04562 00001 00000 34662	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	16-8	2100	Sun	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/RL/Dan)
XPA2	11559	16-8	2120	Sun	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/Dan)
XPA2	10559	16-8	2140	Sun	03170 00024 50851 ... 79212 77427 44571	MFSK-16/20bd	(AB/Dan)
XPA2	12152	17-8	0700	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13552	17-8	0720	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13952	17-8	0740	Mon	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	18059	17-8	0910	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	16093	17-8	0930	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	14874	17-8	0950	Mon	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	13825	17-8	1500	Mon	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	17-8	1520	Mon	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	17-8	1540	Mon	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	18-8	1600	Tue	02372 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	14364	18-8	1620	Tue	02372 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	13464	18-8	1640	Tue	02372 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	12159	18-8	2100	Tue	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB)
XPA2	11559	18-8	2120	Tue	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB)
XPA2	10559	18-8	2140	Tue	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB)
XPA2	12152	19-8	0700	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	13552	19-8	0720	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)

XPA2	13952	19-8	0740	Wed	00830 00067 43426 ... 46393 22953 74547	MFSK-16/20Bd	(AB)
XPA2	18059	19-8	0910	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	16093	19-8	0930	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	14874	19-8	0950	Wed	03387 00110 25105 ... 83258 60029 37350	MFSK-16/20Bd	(AB)
XPA2	16264	19-8	1100	Wed	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	15864	19-8	1120	Wed	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	14864	19-8	1140	Wed	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	13919	19-8	1200	Wed	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB)
XPA2	14719	19-8	1220	Wed	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB)
XPA2	16219	19-8	1240	Wed	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB)
XPA2	14372	20-8	0910	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13372	20-8	0930	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	12172	20-8	0950	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	16264	20-8	1100	Thu	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	15864	20-8	1120	Thu	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	14864	20-8	1140	Thu	00589 00070 51038 ... 05162 69917 32420	MFSK-16/20Bd	(AB)
XPA2	14864	20-8	1600	Thu	09458 00001 00000 37266	MFSK-16/20Bd	(AB-RUS)
XPA2	14364	20-8	1620	Thu	09458 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13464	20-8	1640	Thu	09458 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13919	21-8	1200	Fri	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	21-8	1220	Fri	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	21-8	1240	Fri	00380 00024 15631 ... 68005 68419 53147	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	22-8	0910	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13372	22-8	0930	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	12172	22-8	0950	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13825	22-8	1500	Sat	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(MPJ)
XPA2	12125	22-8	1520	Sat	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(MPJ)
XPA2	11025	22-8	1540	Sat	00630 00134 88179 ... 97621 89746 02253	MFSK-16/20Bd	(MPJ)
XPA2	12159	23-8	2100	Sun	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB/Dan/RL)
XPA2	11559	23-8	2120	Sun	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB/Dan/RL)
XPA2	10559	23-8	2140	Sun	00230 00218 29604 ... 06422 41819 23366	MFSK-16/20bd	(AB/Dan/RL)
XPA2	12152	24-8	0700	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13552	24-8	0720	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13952	24-8	0740	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	18059	24-8	0910	Mon	02197 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	16093	24-8	0930	Mon	02197 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14874	24-8	0950	Mon	02197 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	13825	24-8	1500	Mon	08724 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	12125	24-8	1520	Mon	08724 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11025	24-8	1540	Mon	08724 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14864	25-8	1600	Tue	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	25-8	1620	Tue	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	13464	25-8	1640	Tue	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	25-8	2100	Tue	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB/RL)

XPA2	11559	25-8	2120	Tue	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB)
XPA2	10559	25-8	2140	Tue	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB)
XPA2	12152	26-8	0700	Wed	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13552	26-8	0720	Wed	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13952	26-8	0740	Wed	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	18059	26-8	0910	Wed	05378 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	16093	26-8	0930	Wed	05378 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	14874	26-8	0950	Wed	05378 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	16264	26-8	1100	Wed	08641 00001 00000 34664	MFSK-16/20Bd	(AB/MPJ)
XPA2	15864	26-8	1120	Wed	08641 00001 00000 34664	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	26-8	1140	Wed	08641 00001 00000 34664	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	26-8	1200	Wed	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB)
XPA2	14719	26-8	1220	Wed	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB)
XPA2	16219	26-8	1240	Wed	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB)
XPA2	14372	27-8	0910	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13372	27-8	0930	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	12172	27-8	0950	Thu	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	16264	27-8	1100	Thu	05830 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	15864	27-8	1120	Thu	05830 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	27-8	1140	Thu	05830 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	27-8	1600	Thu	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	27-8	1620	Thu	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	13464	27-8	1640	Thu	00135 00100 78328 ... 85112 00284 41501	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	28-8	1200	Fri	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	28-8	1220	Fri	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	28-8	1240	Fri	00215 00226 25301 ... 97318 10378 76100	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	29-8	0910	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13372	29-8	0930	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	12172	29-8	0950	Sat	00181 00112 51866 ... 99607 44161 11260	MFSK-16/20Bd	(AB)
XPA2	13825	29-8	1500	Sat	05577 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	12125	29-8	1520	Sat	05577 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	11025	29-8	1540	Sat	05577 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	12159	30-8	2100	Sun	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB/Dan)
XPA2	11559	30-8	2120	Sun	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB/Dan)
XPA2	10559	30-8	2140	Sun	06392 00202 30619 ... 74011 12689 31772	MFSK-16/20bd	(AB/Dan)
XPA2	12152	31-8	0700	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13552	31-8	0720	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	13952	31-8	0740	Mon	09190 00068 11898 ... 88170 06607 72015	MFSK-16/20Bd	(AB)
XPA2	18059	31-8	0910	Mon	07124 00180 11132 ... 92062 01839 13275	MFSK-16/20Bd	(AB)
XPA2	16093	31-8	0930	Mon	07124 00180 11132 ... 92062 01839 13275	MFSK-16/20Bd	(AB)
XPA2	14874	31-8	0950	Mon	07124 00180 11132 ... 92062 01839 13275	MFSK-16/20Bd	(AB)
XPA2	13825	31-8	1500	Mon	08514 00194 78130 ... 97048 91770 12107	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	31-8	1520	Mon	08514 00194 78130 ... 97048 91770 12107	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	31-8	1540	Mon	08514 00194 78130 ... 97048 91770 12107	MFSK-16/20Bd	(AB/MPJ)

XPB1	15876	1-8	1200	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14876	1-8	1210	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14376	1-8	1220	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13976	1-8	1230	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13376	1-8	1240	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12176	1-8	1250	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14918	2-8	1900	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13918	2-8	1910	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12218	2-8	1920	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11118	2-8	1930	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10218	2-8	1940	Sun	Russian intel.	MFSK-16	(AB/RL/HFD)
XPB1	9118	2-8	1950	Sun	Russian intel.	MFSK-16	(AB/RL/HFD)
XPB1	11559	3-8	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12159	3-8	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13459	3-8	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13959	3-8	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14459	3-8	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14959	3-8	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15876	3-8	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14876	3-8	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14376	3-8	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13976	3-8	1230	Mon	Russian intel.	MFSK-16	(AB/FT)
XPB1	13376	3-8	1240	Mon	Russian intel.	MFSK-16	(AB/FT)
XPB1	12176	3-8	1250	Mon	Russian intel.	MFSK-16	(AB/FT)
XPB1	11559	4-8	0500	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12159	4-8	0510	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13459	4-8	0520	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13959	4-8	0530	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14459	4-8	0540	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14959	4-8	0550	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14918	4-8	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	4-8	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	4-8	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11118	4-8	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10218	4-8	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9118	4-8	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15876	8-8	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14876	8-8	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14376	8-8	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13976	8-8	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13376	8-8	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12176	8-8	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14918	9-8	1900	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13918	9-8	1910	Sun	Russian intel.	MFSK-16	(AB)

XPB1	12218	9-8	1920	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11118	9-8	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10218	9-8	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9118	9-8	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11559	10-8	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12159	10-8	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13459	10-8	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13959	10-8	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14459	10-8	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14959	10-8	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15876	10-8	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14876	10-8	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14376	10-8	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13976	10-8	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13376	10-8	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12176	10-8	1250	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11559	11-8	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12159	11-8	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13459	11-8	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13959	11-8	0530	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14459	11-8	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14959	11-8	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	11-8	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	11-8	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	11-8	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	11-8	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	11-8	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	11-8	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	15876	15-8	1200	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14876	15-8	1210	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14376	15-8	1220	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13976	15-8	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13376	15-8	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12176	15-8	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14918	16-8	1900	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	16-8	1910	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	16-8	1920	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	16-8	1930	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	16-8	1940	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	16-8	1950	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	11559	17-8	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12159	17-8	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13459	17-8	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13959	17-8	0530	Mon	Russian intel.	MFSK-16	(AB)

XPB1	14459	17-8	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14959	17-8	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15876	17-8	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14876	17-8	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14376	17-8	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13976	17-8	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13376	17-8	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12176	17-8	1250	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11559	18-8	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12159	18-8	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13459	18-8	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13959	18-8	0530	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14459	18-8	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14959	18-8	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	18-8	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	18-8	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	18-8	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	18-8	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	18-8	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	18-8	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	15876	22-8	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14876	22-8	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14376	22-8	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13976	22-8	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13376	22-8	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12176	22-8	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14918	23-8	1900	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13918	23-8	1910	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12218	23-8	1920	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11118	23-8	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10218	23-8	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9118	23-8	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11559	24-8	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12159	24-8	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13459	24-8	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13959	24-8	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14459	24-8	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14959	24-8	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15876	24-8	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14876	24-8	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14376	24-8	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13976	24-8	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13376	24-8	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12176	24-8	1250	Mon	Russian intel.	MFSK-16	(AB)

XPB1	11559	25-8	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12159	25-8	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13459	25-8	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13959	25-8	0530	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14459	25-8	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14959	25-8	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	25-8	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	25-8	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	25-8	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	25-8	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	25-8	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	25-8	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	15876	29-8	1200	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14876	29-8	1210	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14376	29-8	1220	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13976	29-8	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13376	29-8	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12176	29-8	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14918	30-8	1900	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13918	30-8	1910	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12218	30-8	1920	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11118	30-8	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10218	30-8	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9118	30-8	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11559	31-8	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12159	31-8	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13459	31-8	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13959	31-8	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14459	31-8	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14959	31-8	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15876	31-8	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14876	31-8	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14376	31-8	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13976	31-8	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13376	31-8	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12176	31-8	1250	Mon	Russian intel.	MFSK-16	(AB)
XSL	4153	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	11-8	1431	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

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AB-J	Ary Boender via remote rx Japan	HFD-KWT	Hans-Friedrich Dumrese via remote rx Kuwait
AB-KWT	Ary Boender via remote rx Kuwait	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-POL	Ary Boender via remote rx Poland	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-ROU	Ary Boender via remote rx Romania	HK	Hiroyuki Komatsubara, Japan
AB-RUS	Ary Boender via remote rx Russia	IK0OZK	IK0OZK Renato, Italy
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Danix	Danix, Poland	JPL-HK	JPL via remote rx Hong Kong
Danix-HK	Danix via remote rx Hong Kong	JPL-NOR	JPL via remote rx Norway
Danix-RUS	Danix via remote rx Russia	JPL-TWN	JPL via remote rx Taiwan
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Collins 51J-1 receiver, in the past used by the Dutch military intelligence forces

COLOPHON

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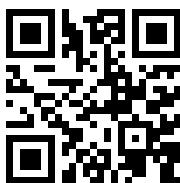
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086 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 74
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56701 57681 73648 11
591 87364 87265 96710 27638 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 6
67 87432 74328 78674 29867 32867 67867 86786 43246 48
57 68768 68763 34234 34238 68768 62342 48273 48768 23
936 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
741 86743 86743 86743 86743 86743 86743 86743 86743 43
943 98798 98754 98754 98754 98754 29867 67543 67986 86
76 87698 69876 87698 69876 87612 12341 34867 86798 652
867 83298 65656 56758 56123 32143 14321 32143 14321 321
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