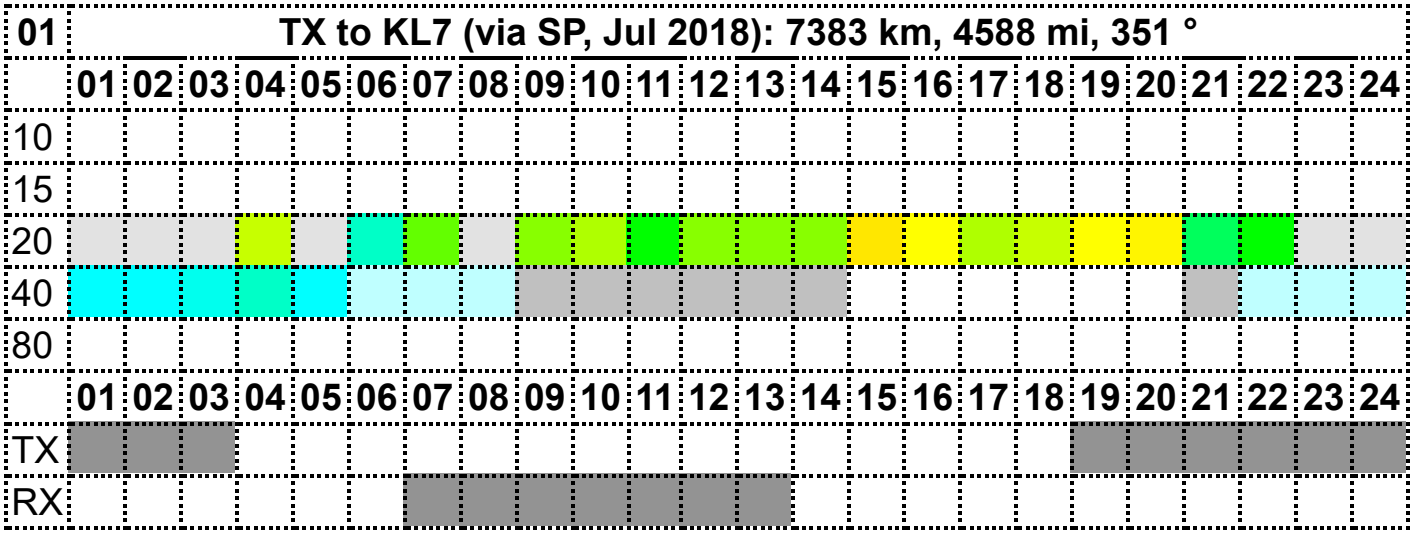
01
TX to KL7 (via SP, Jul 2018): 7383 km, 4588 mi, 351 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
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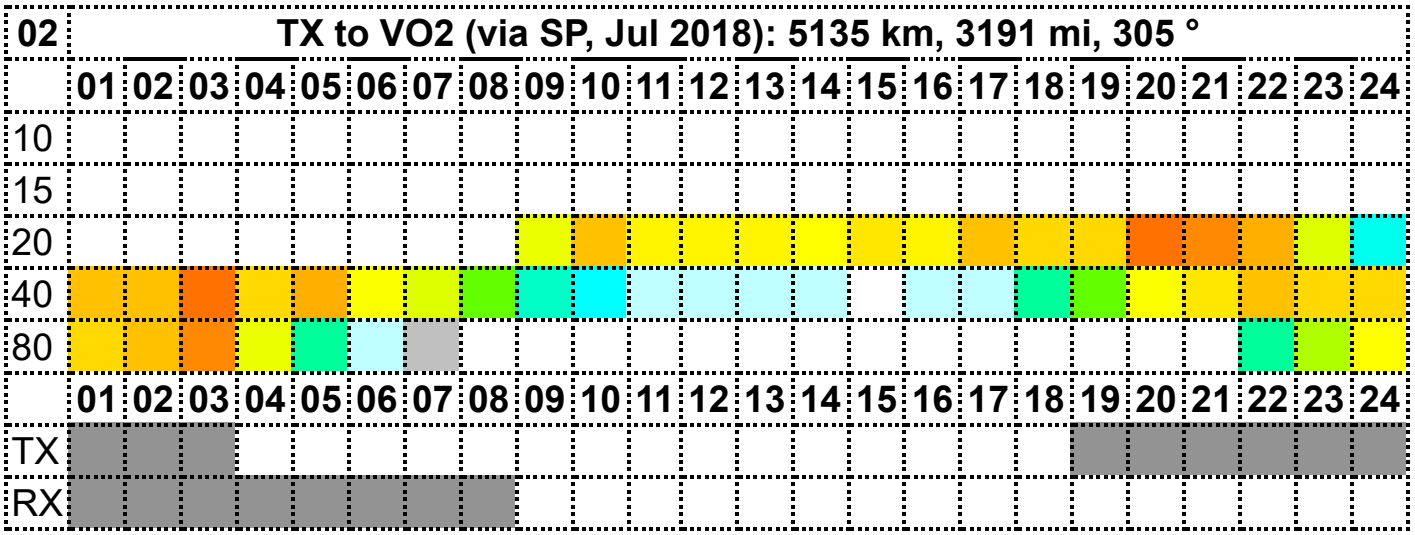
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


02
TX to VO2 (via SP, Jul 2018): 5135 km, 3191 mi, 305 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
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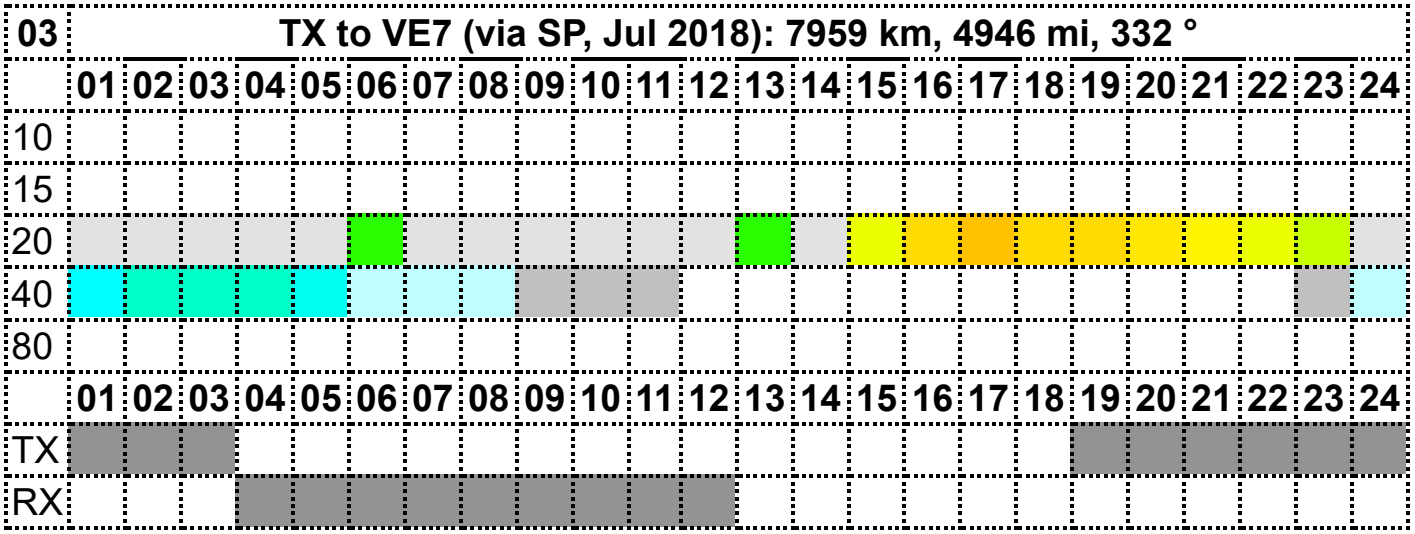
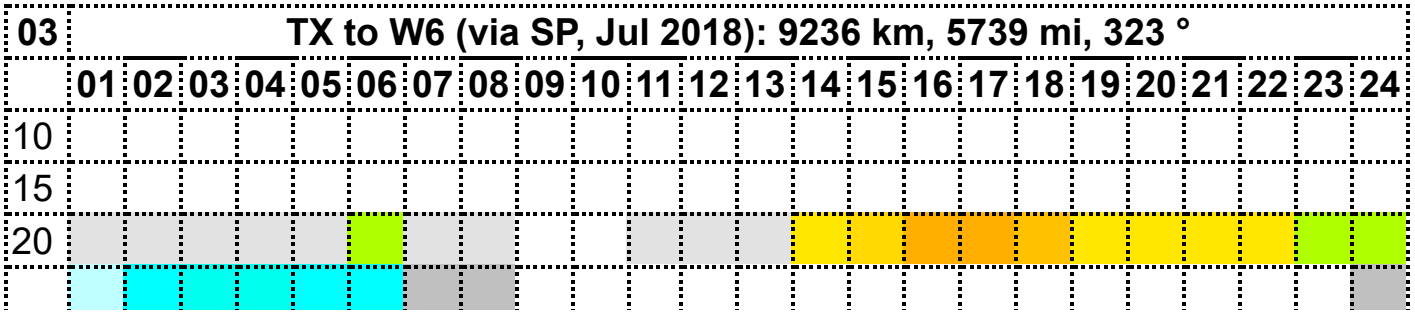
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


03
TX to VE7 (via SP, Jul 2018): 7959 km, 4946 mi, 332 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


03
TX to W6 (via SP, Jul 2018): 9236 km, 5739 mi, 323 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
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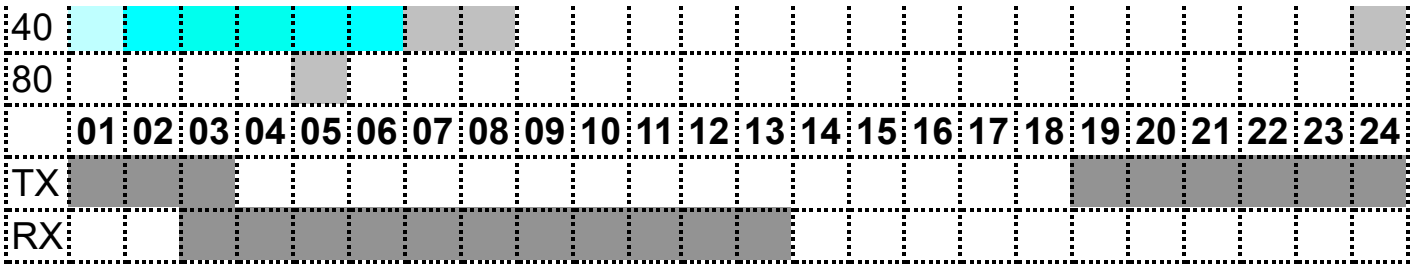
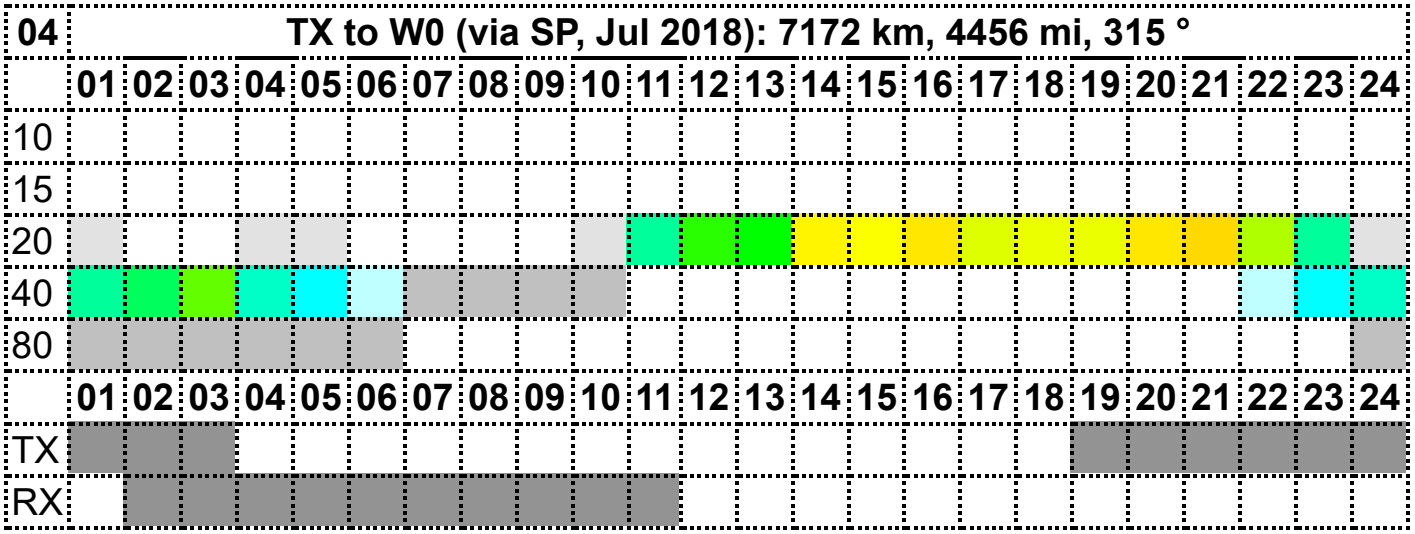

40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


04
TX to W0 (via SP, Jul 2018): 7172 km, 4456 mi, 315 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
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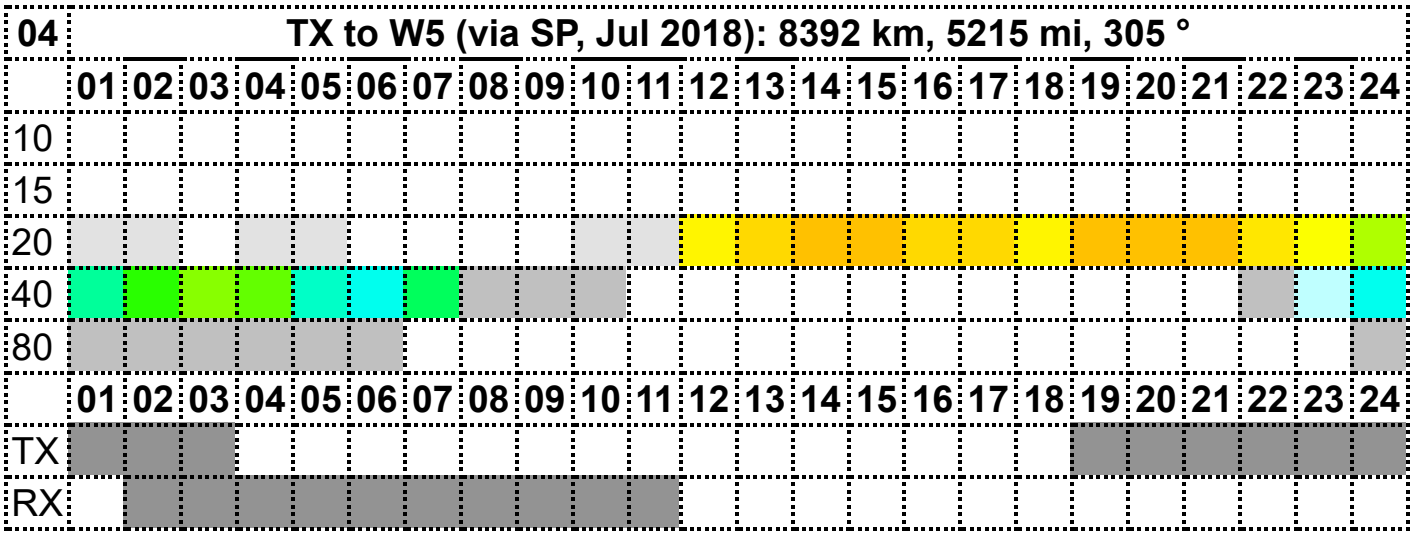
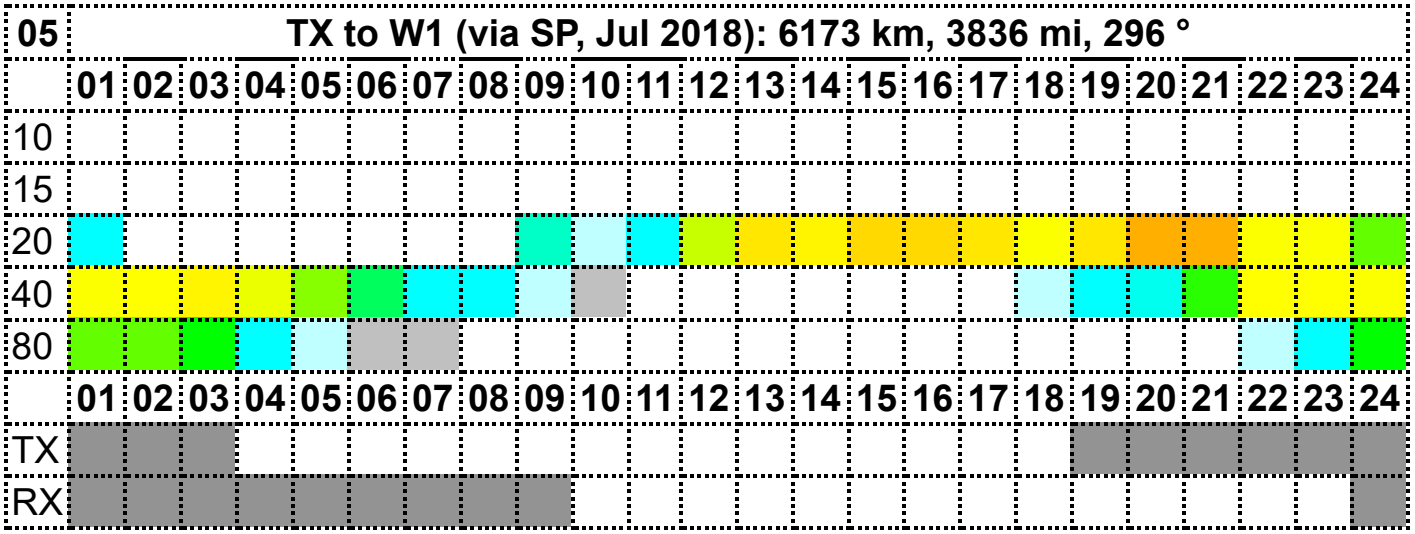
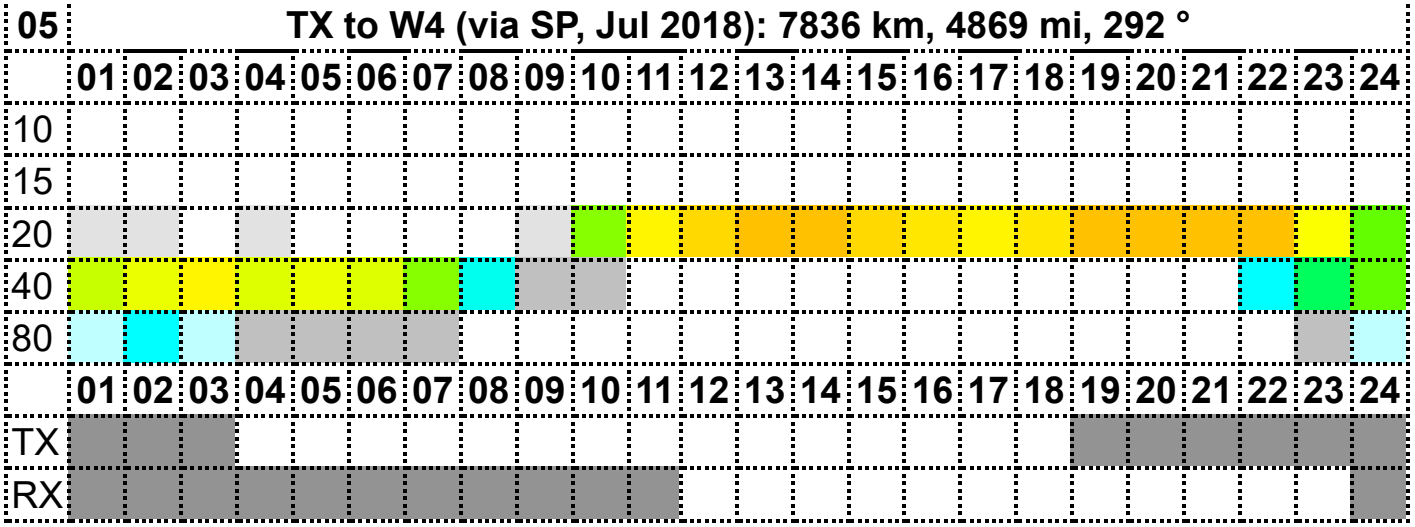
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


04
TX to W5 (via SP, Jul 2018): 8392 km, 5215 mi, 305 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


05
TX to W1 (via SP, Jul 2018): 6173 km, 3836 mi, 296 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


05
TX to W4 (via SP, Jul 2018): 7836 km, 4869 mi, 292 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
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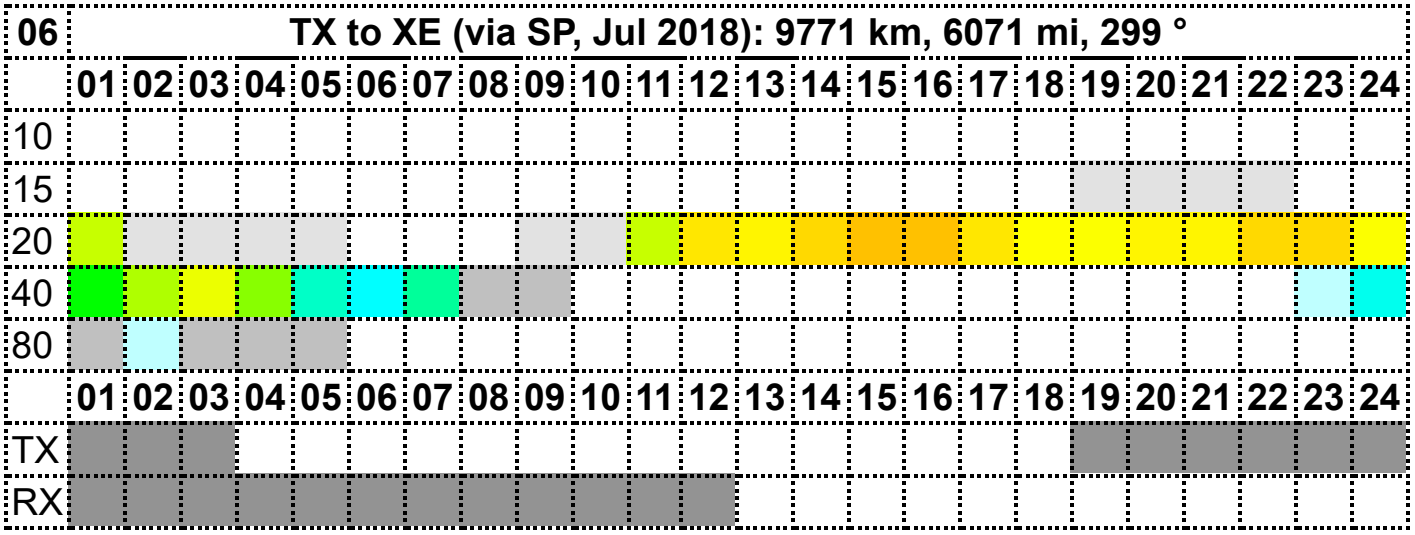
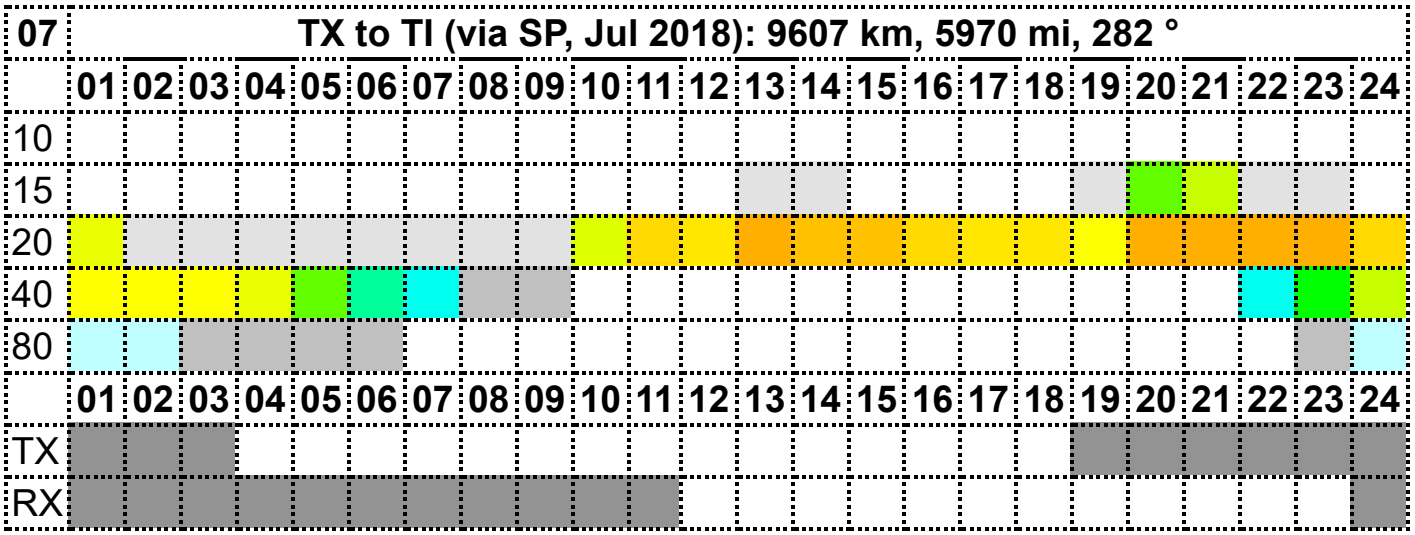
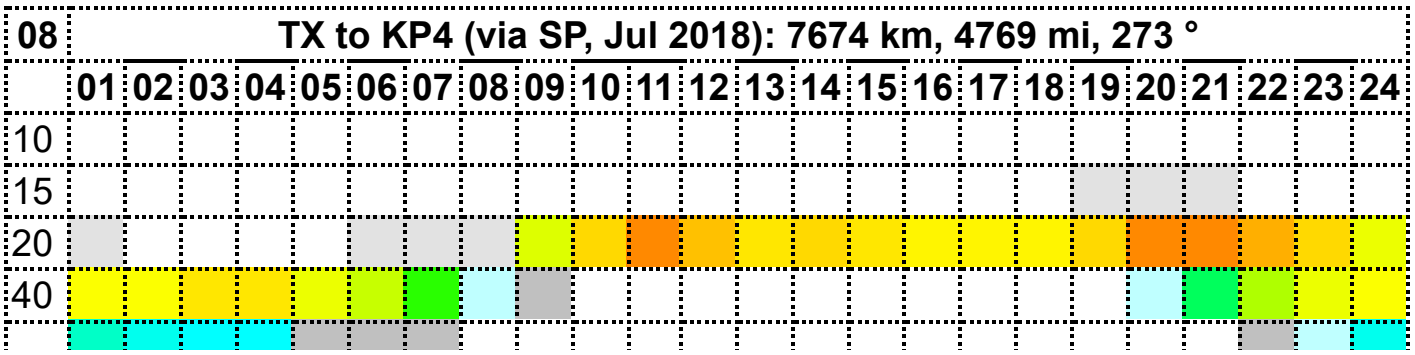
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


06
TX to XE (via SP, Jul 2018): 9771 km, 6071 mi, 299 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


07
TX to TI (via SP, Jul 2018): 9607 km, 5970 mi, 282 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


08
TX to KP4 (via SP, Jul 2018): 7674 km, 4769 mi, 273 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
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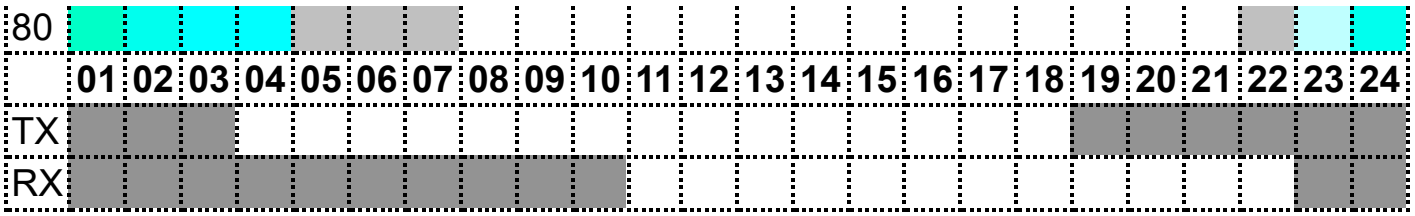
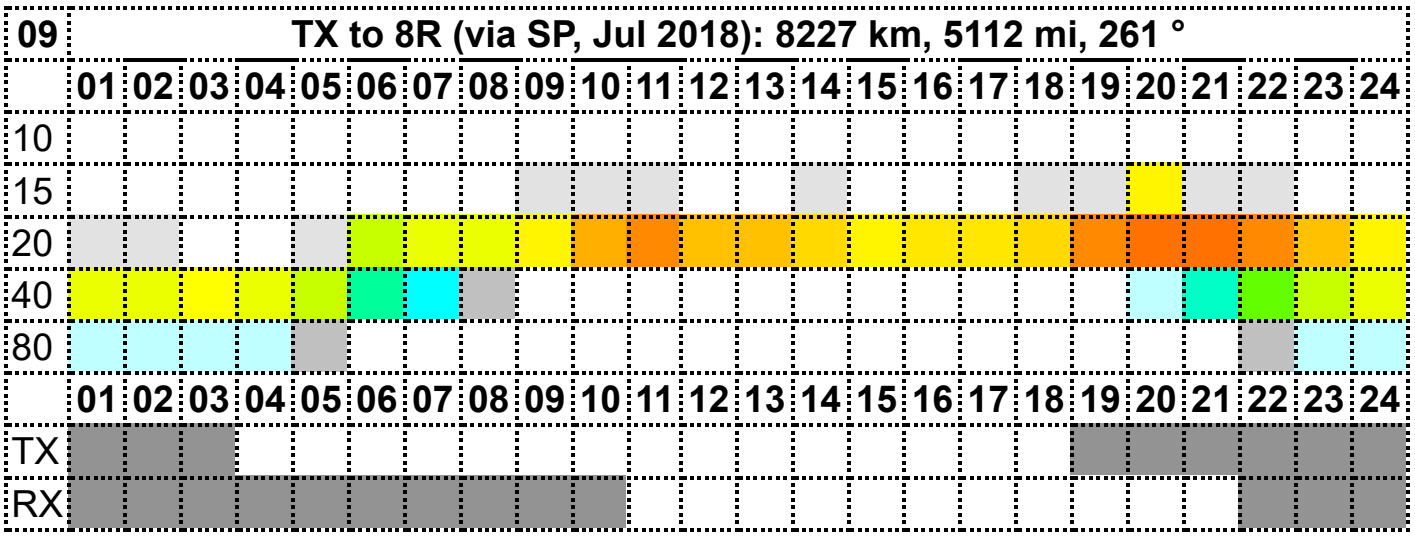
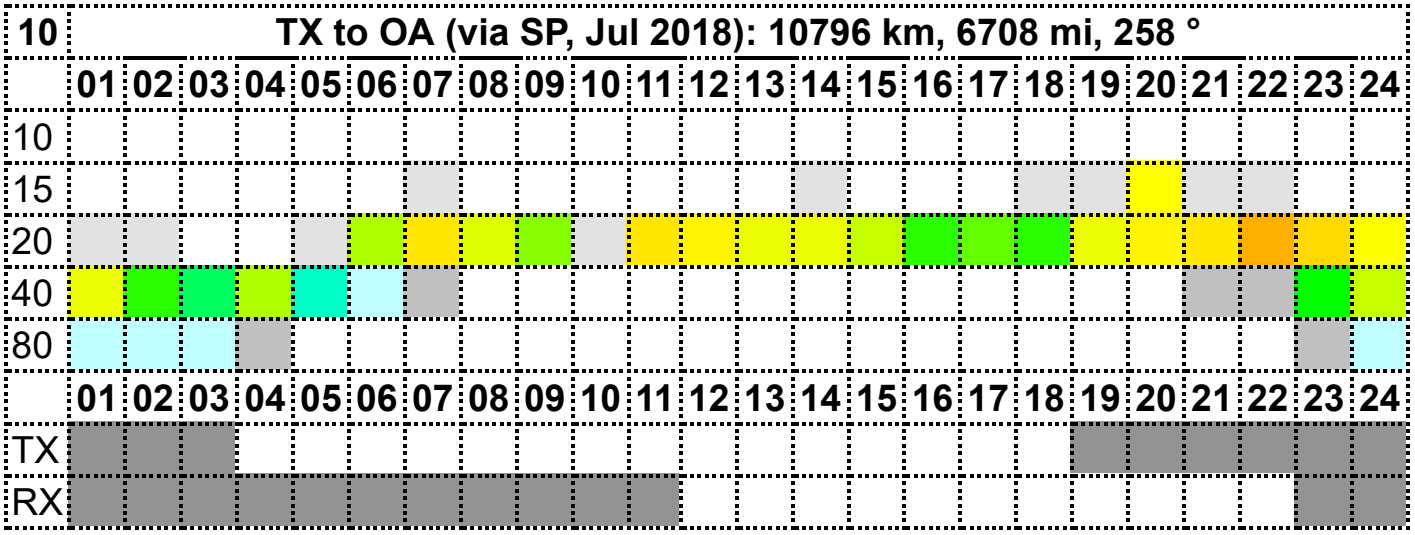
15
20
40


80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


09
TX to 8R (via SP, Jul 2018): 8227 km, 5112 mi, 261 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


10
TX to OA (via SP, Jul 2018): 10796 km, 6708 mi, 258 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
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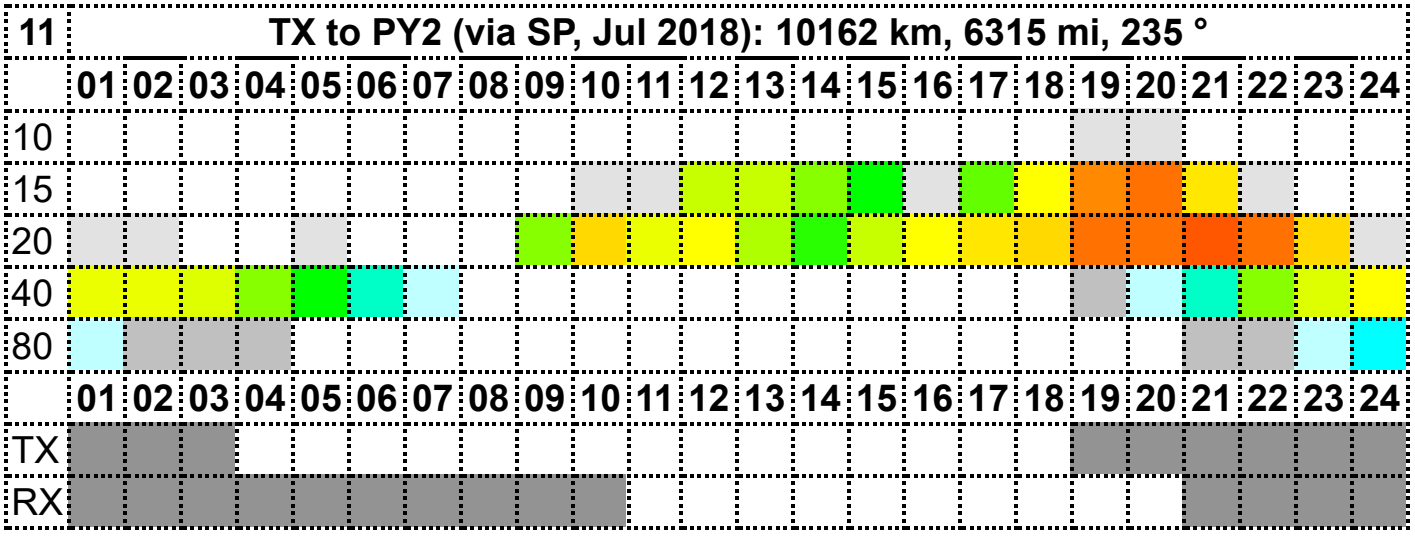
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


11
TX to PY2 (via SP, Jul 2018): 10162 km, 6315 mi, 235 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
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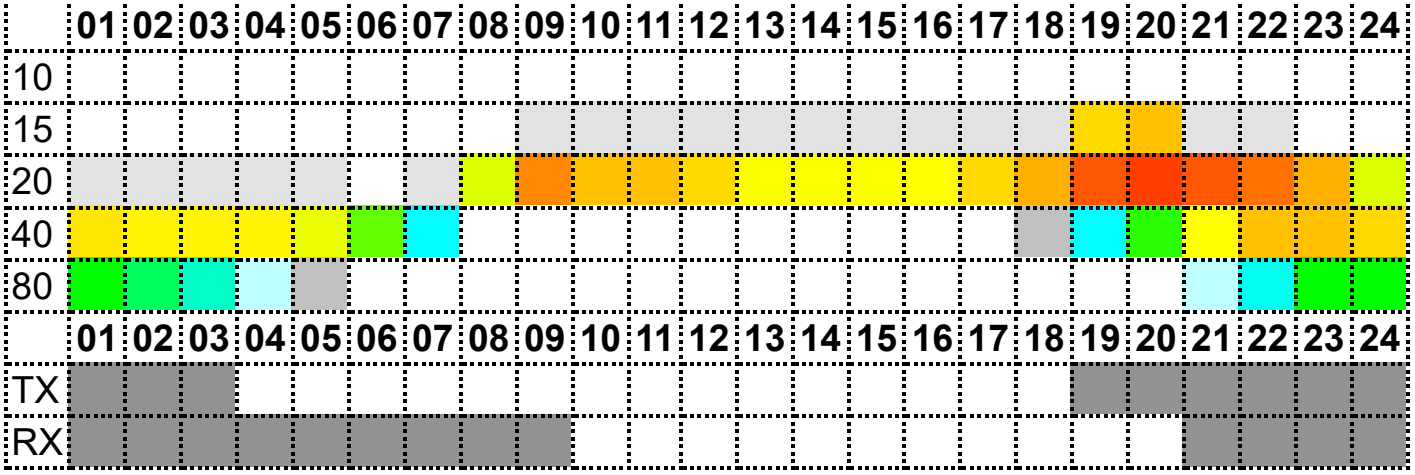
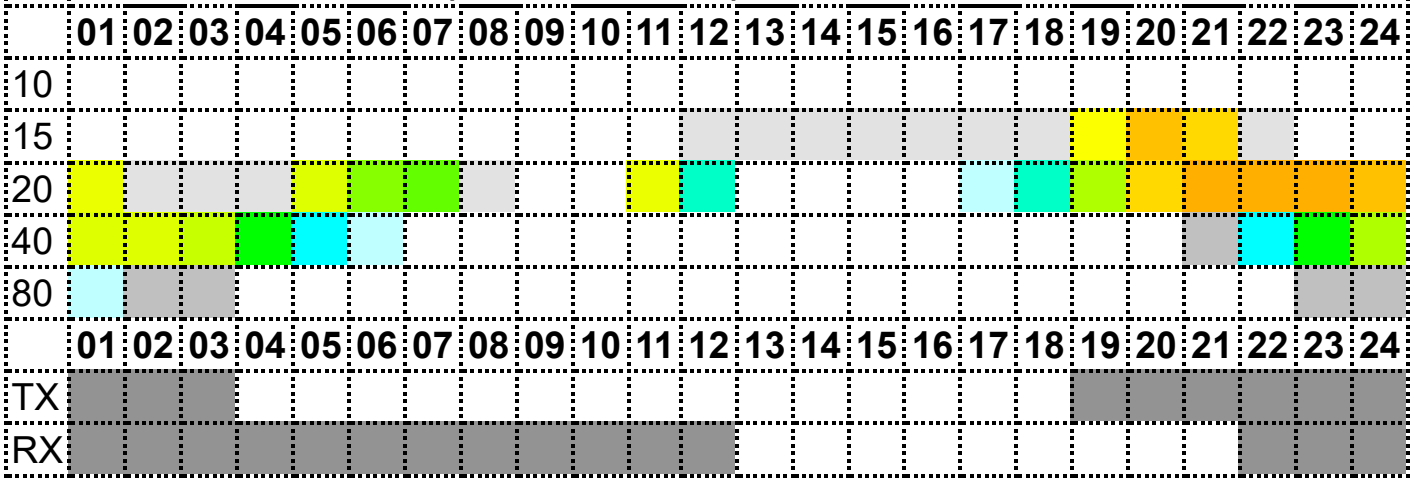
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

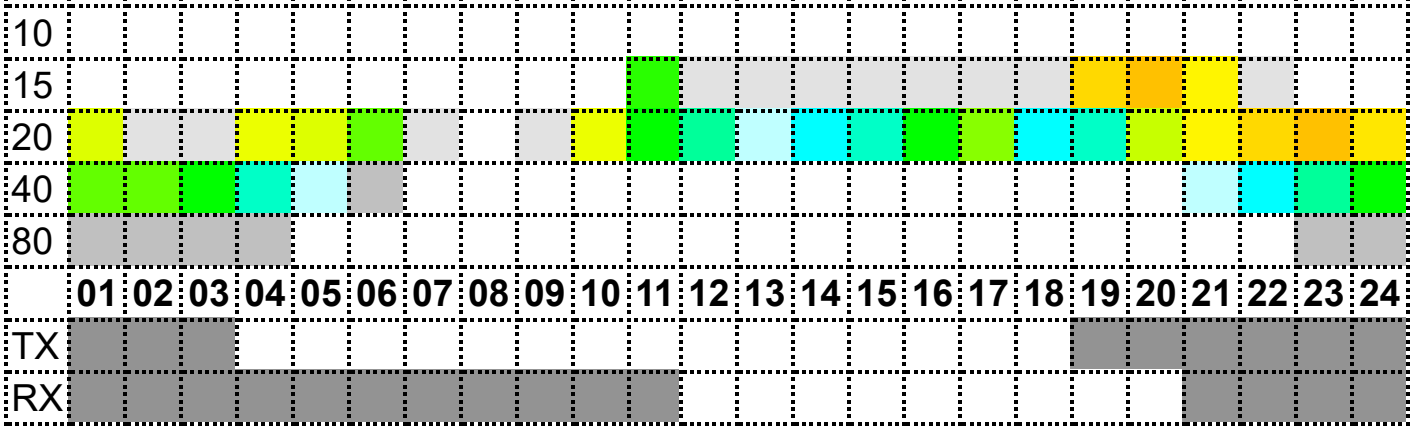
11
TX to PY7 (via SP, Jul 2018): 8180 km, 5083 mi, 235 °



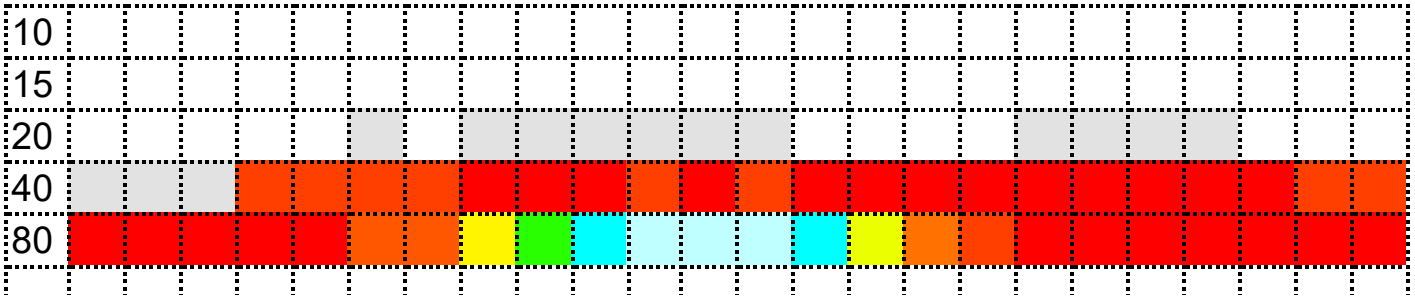
12 TX to CE (via SP, Jul 2018): 12442 km, 7731 mi, 244 °

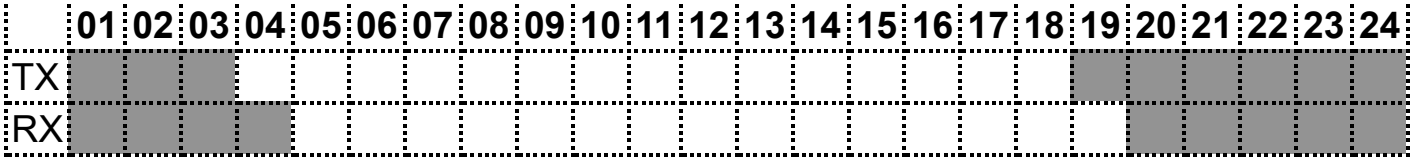


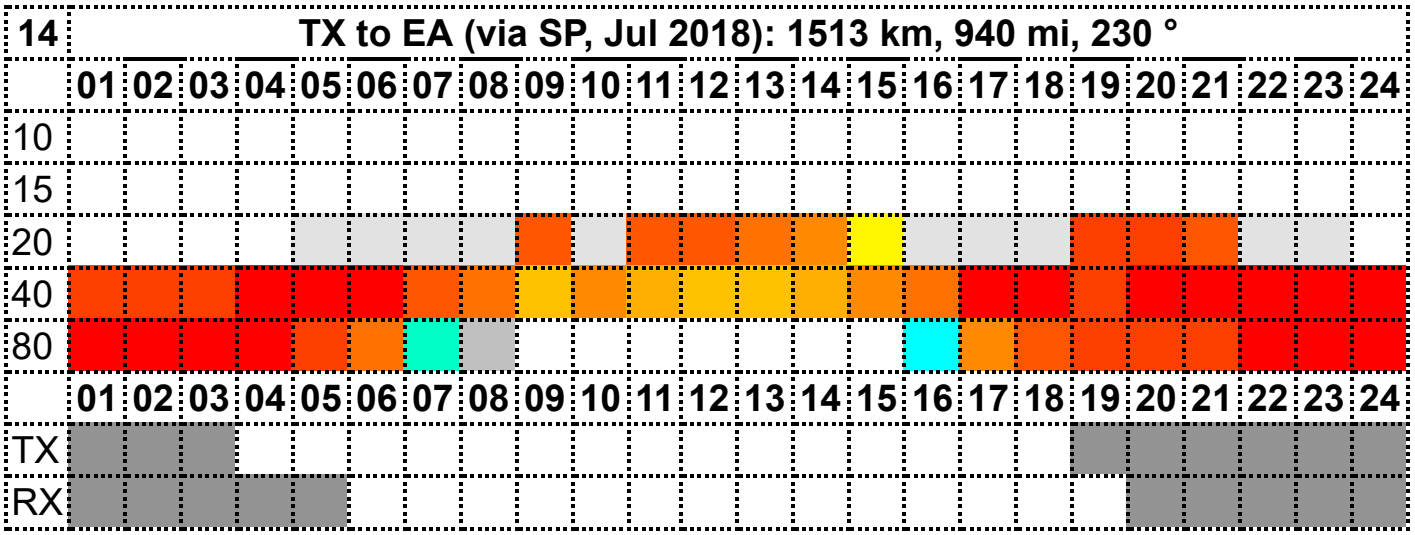
13 TX to LU (via SP, Jul 2018): 11843 km, 7359 mi, 237 °



14 TX to G (via SP, Jul 2018): 1025 km, 637 mi, 277 °




01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


14
TX to EA (via SP, Jul 2018): 1513 km, 940 mi, 230 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
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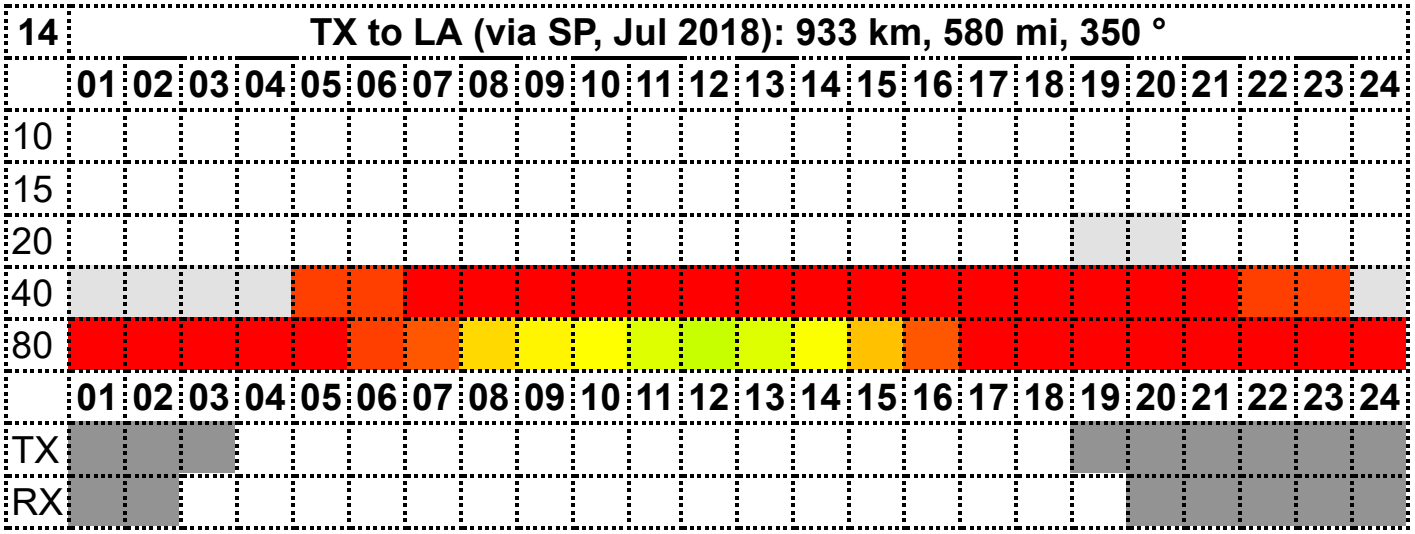
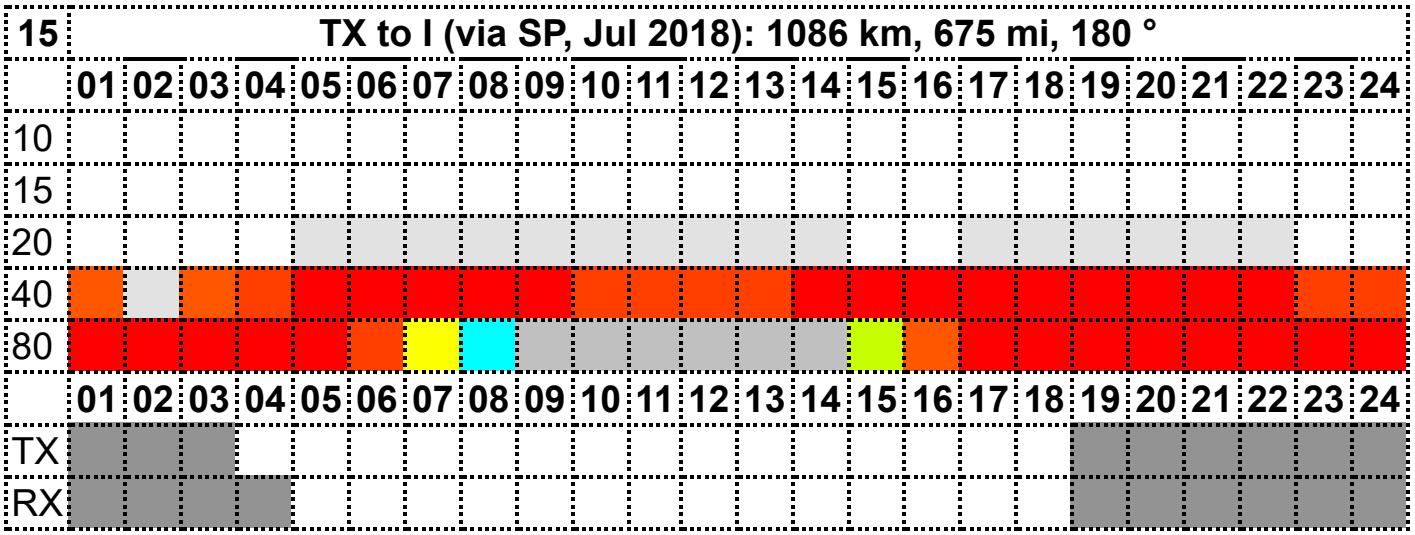
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


14
TX to LA (via SP, Jul 2018): 933 km, 580 mi, 350 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


15
TX to I (via SP, Jul 2018): 1086 km, 675 mi, 180 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
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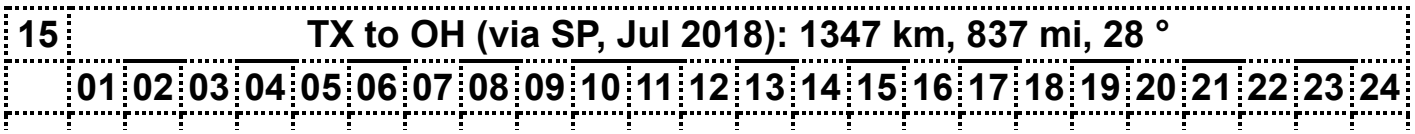
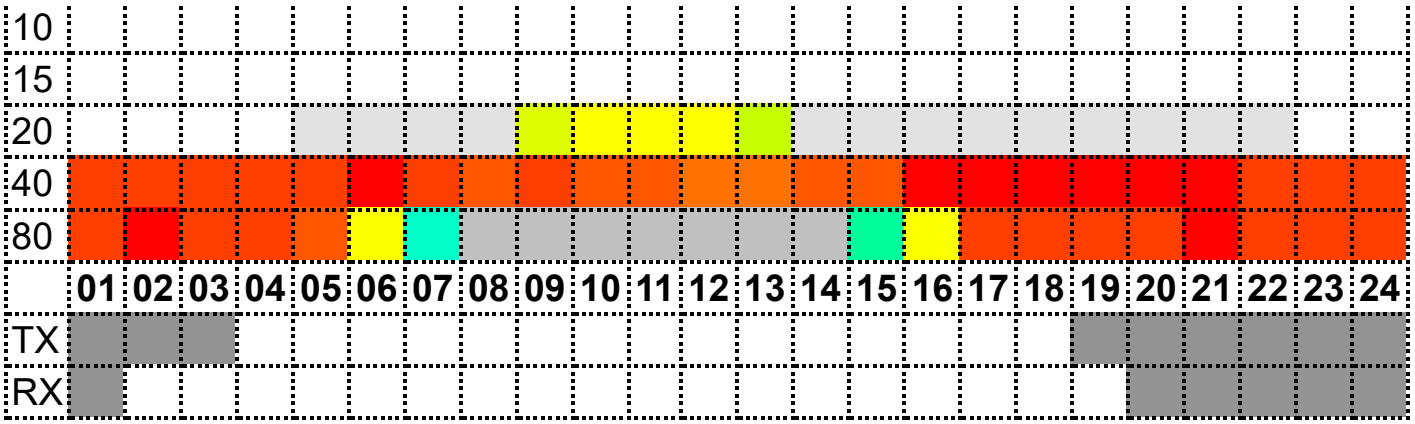
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


15
TX to OH (via SP, Jul 2018): 1347 km, 837 mi, 28 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24


10
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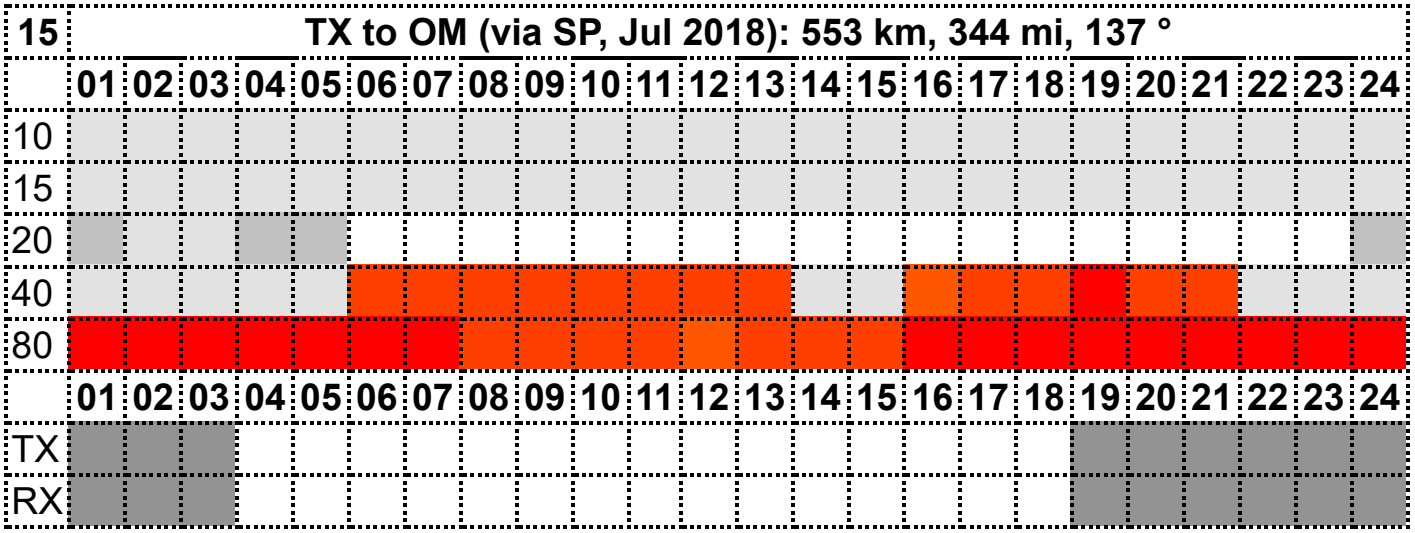
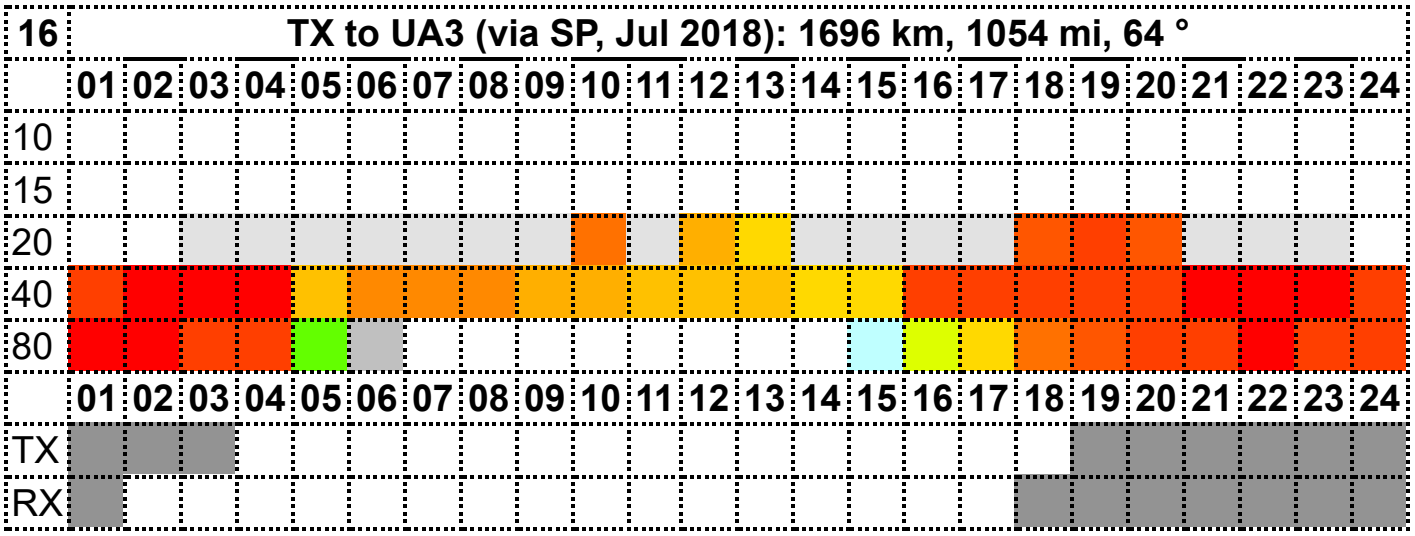
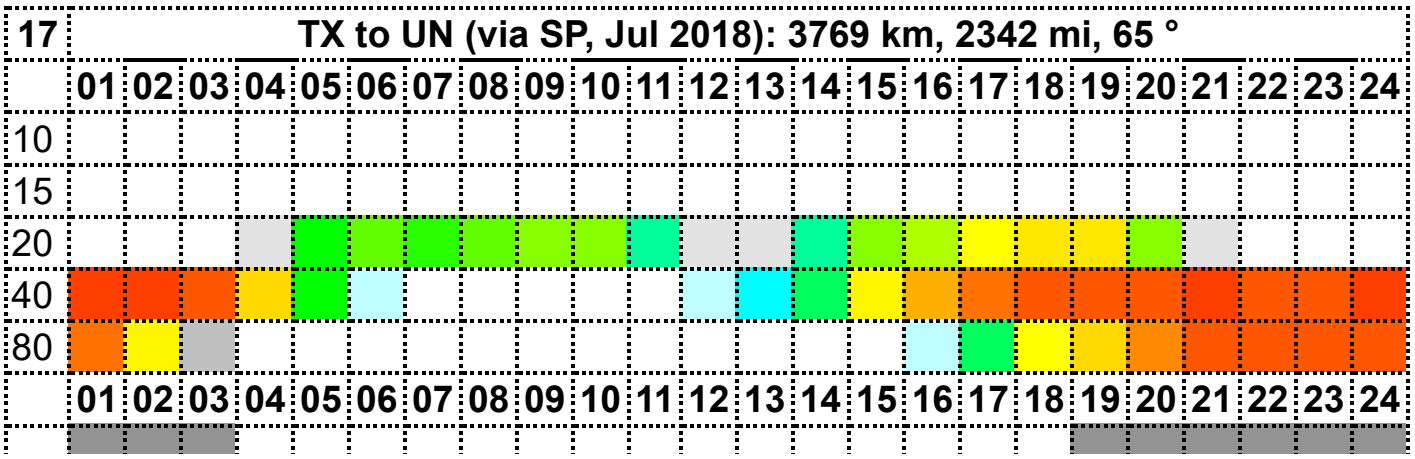
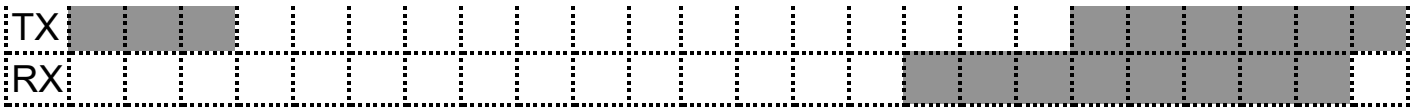
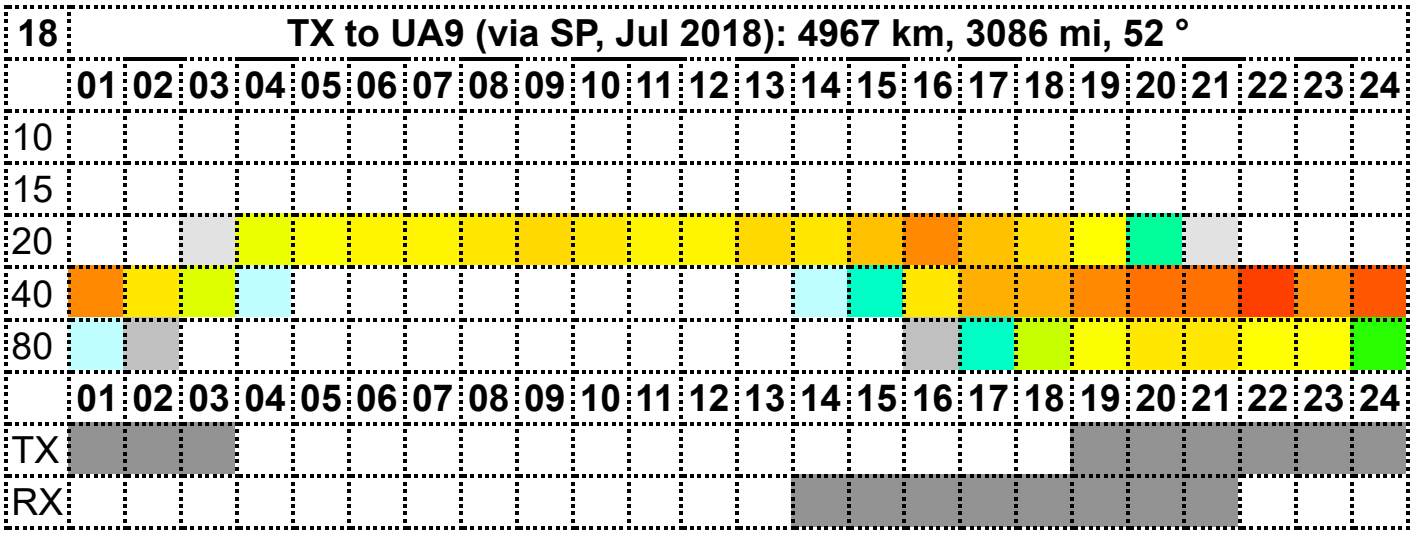
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

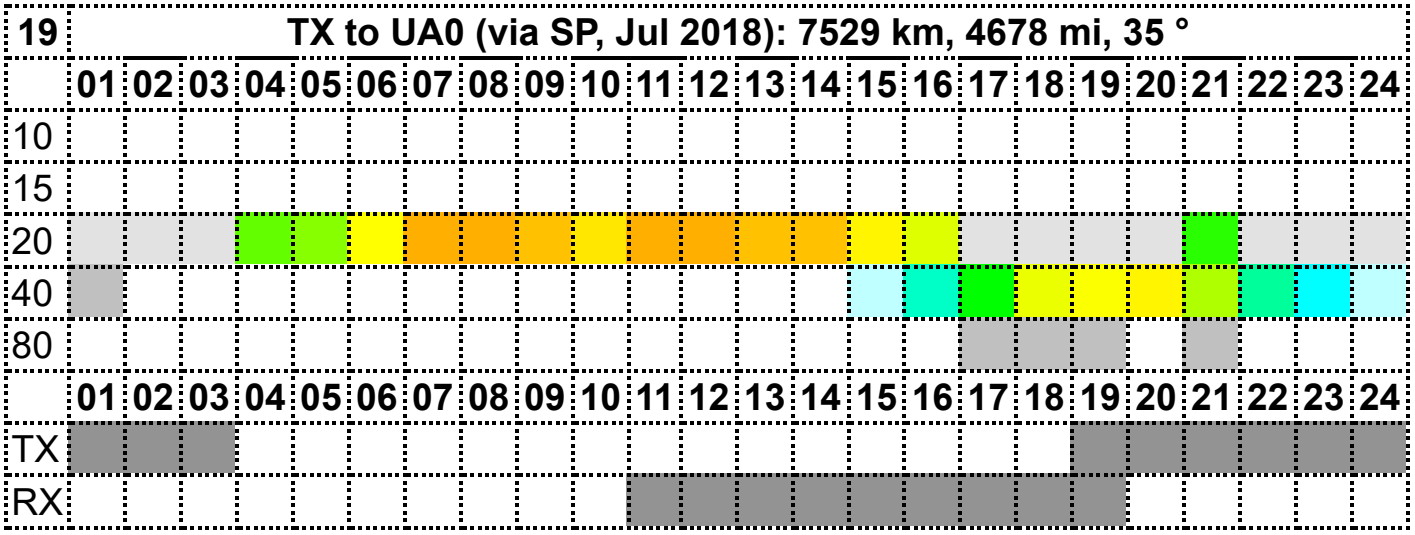

15
TX to OM (via SP, Jul 2018): 553 km, 344 mi, 137 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

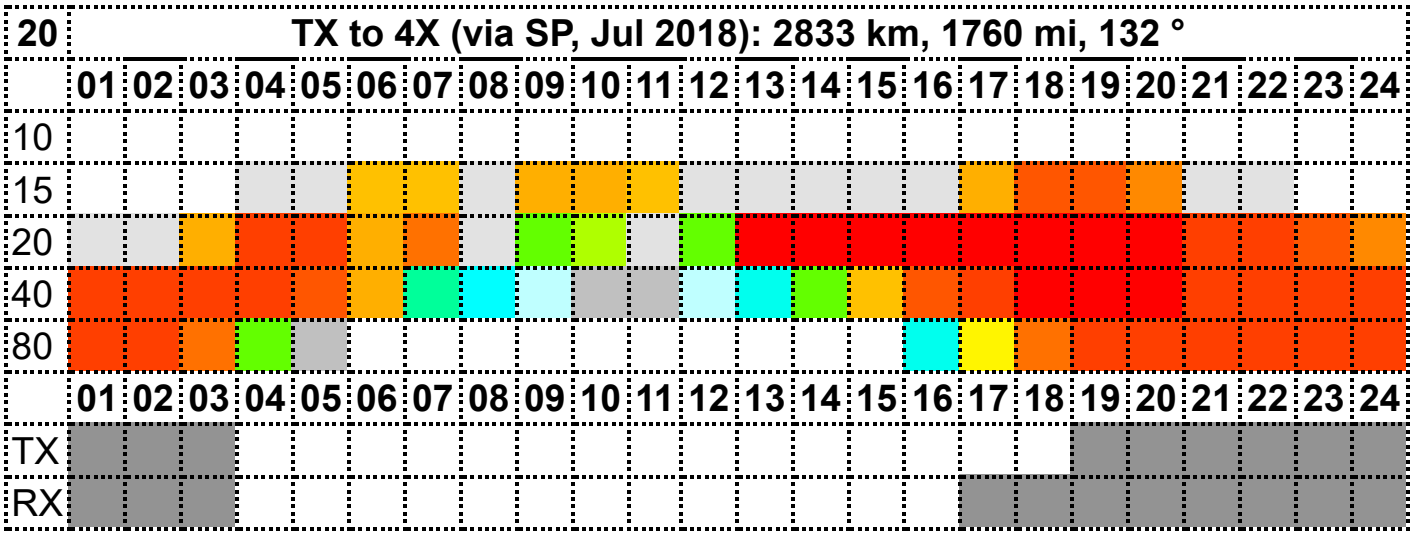

16
TX to UA3 (via SP, Jul 2018): 1696 km, 1054 mi, 64 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

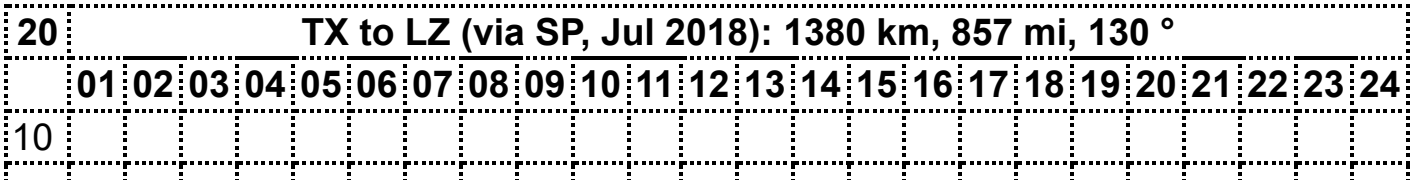

17
TX to UN (via SP, Jul 2018): 3769 km, 2342 mi, 65 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

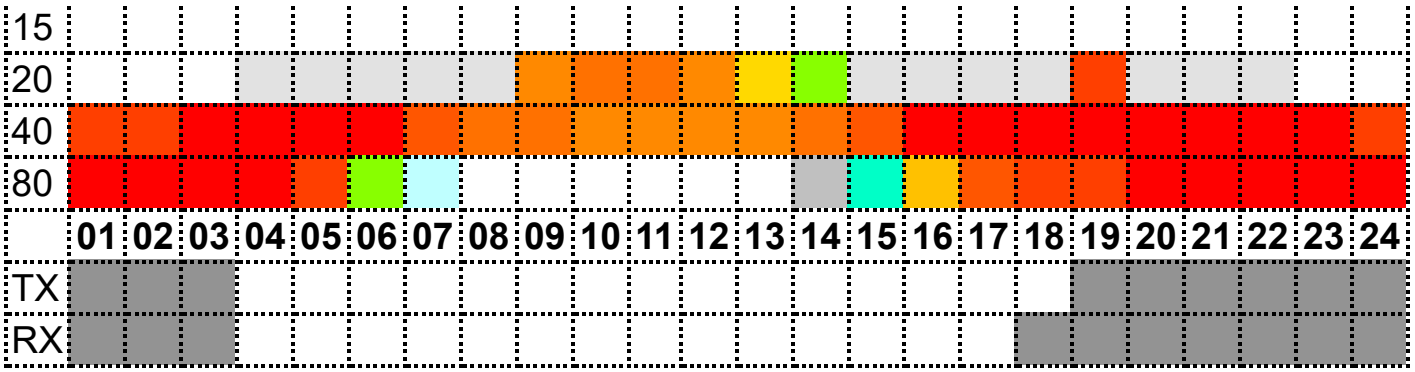

TX
RX


18
TX to UA9 (via SP, Jul 2018): 4967 km, 3086 mi, 52 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


19
TX to UA0 (via SP, Jul 2018): 7529 km, 4678 mi, 35 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


20
TX to 4X (via SP, Jul 2018): 2833 km, 1760 mi, 132 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


20
TX to LZ (via SP, Jul 2018): 1380 km, 857 mi, 130 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10


15
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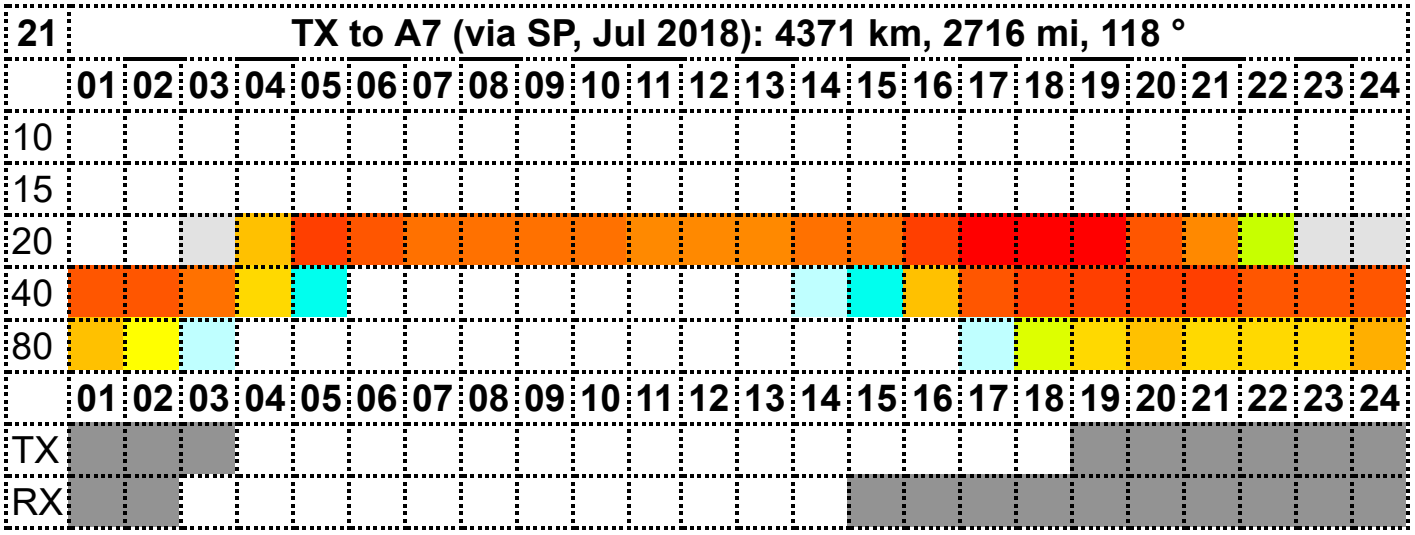
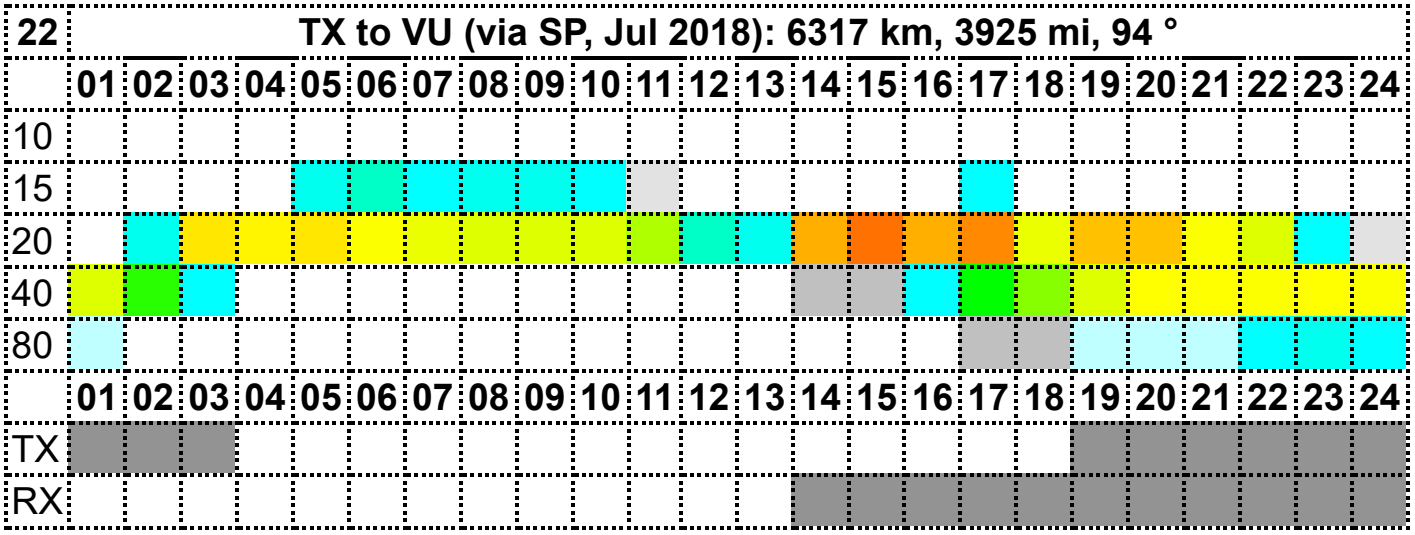
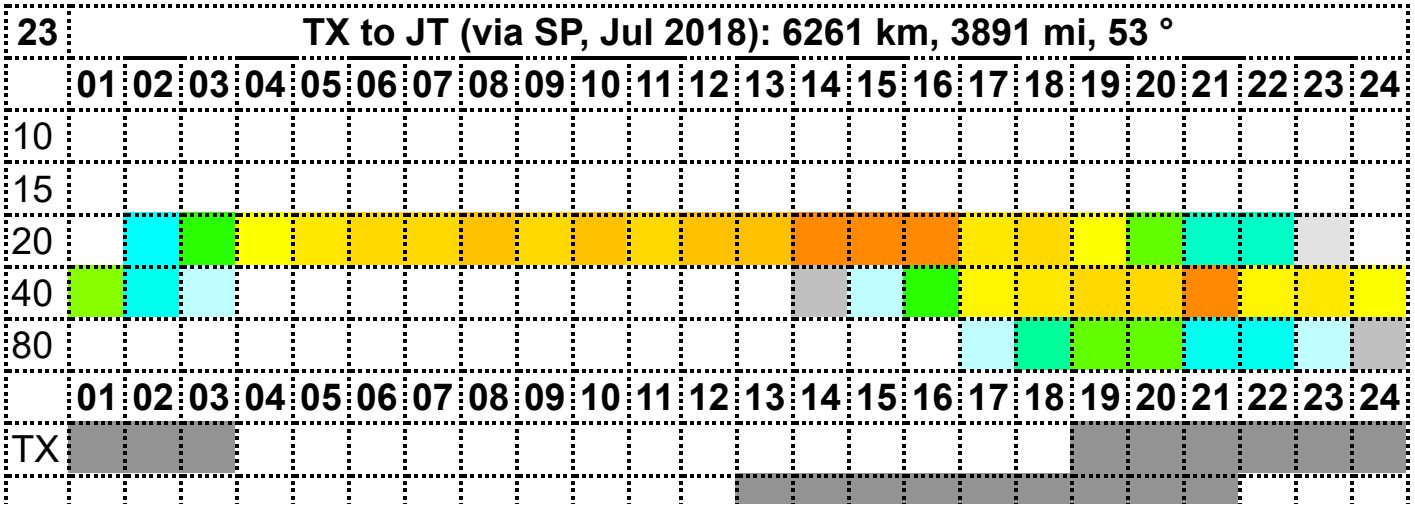
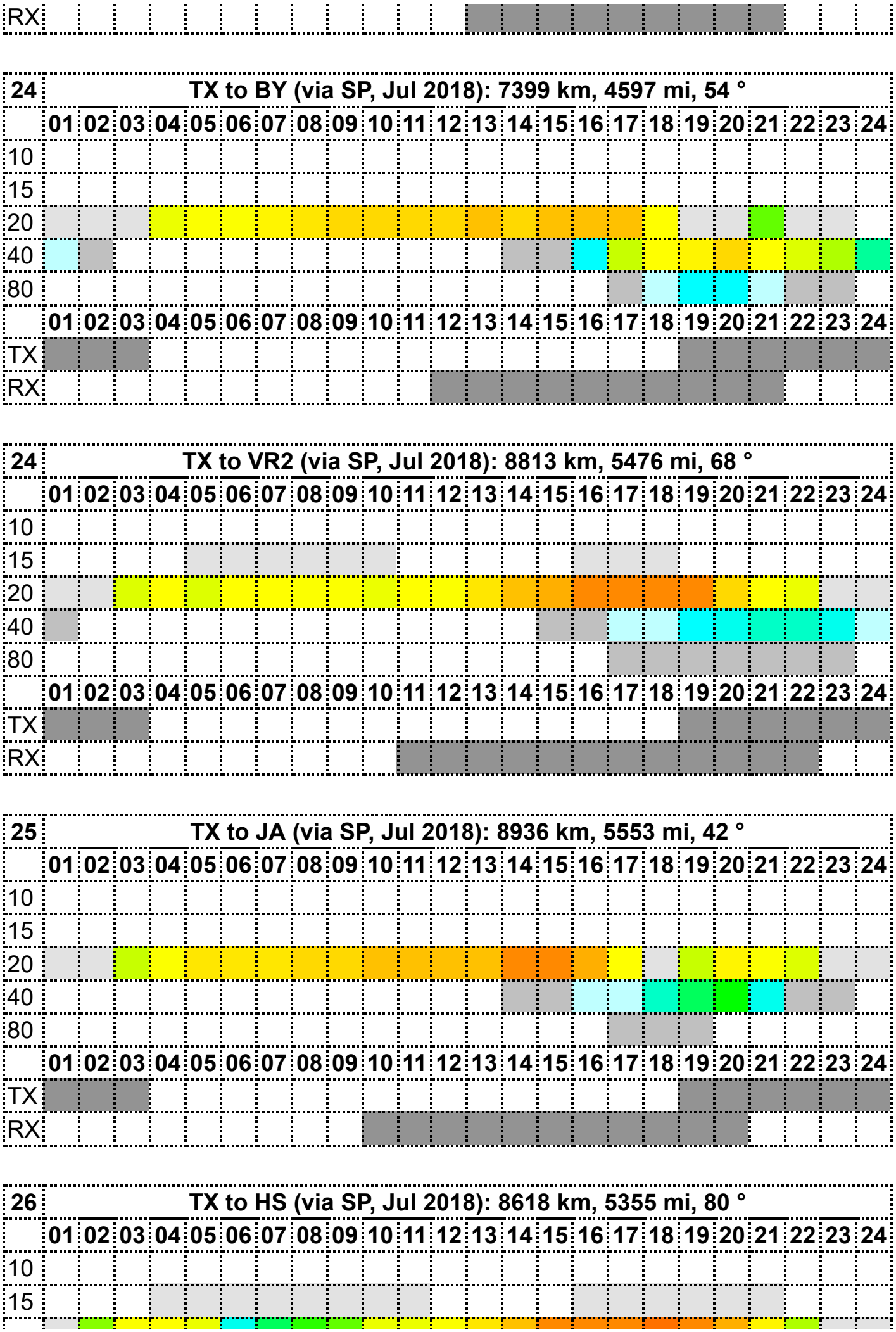
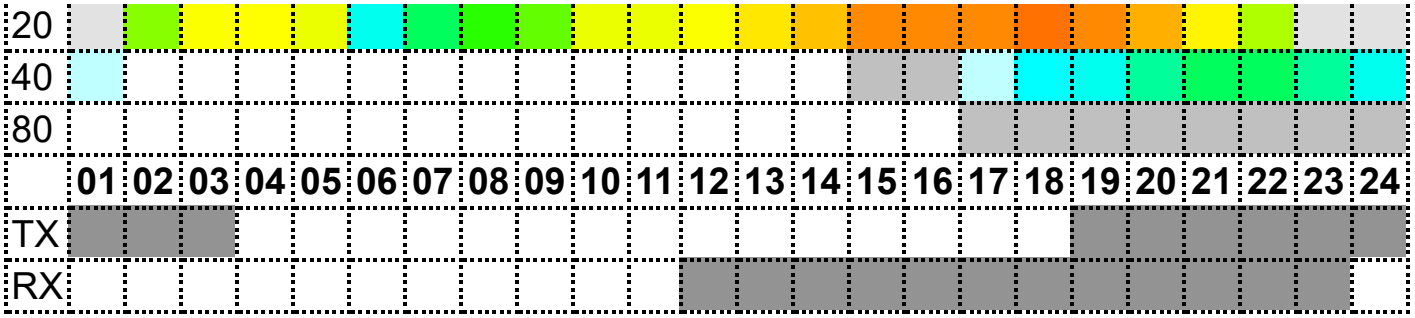
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

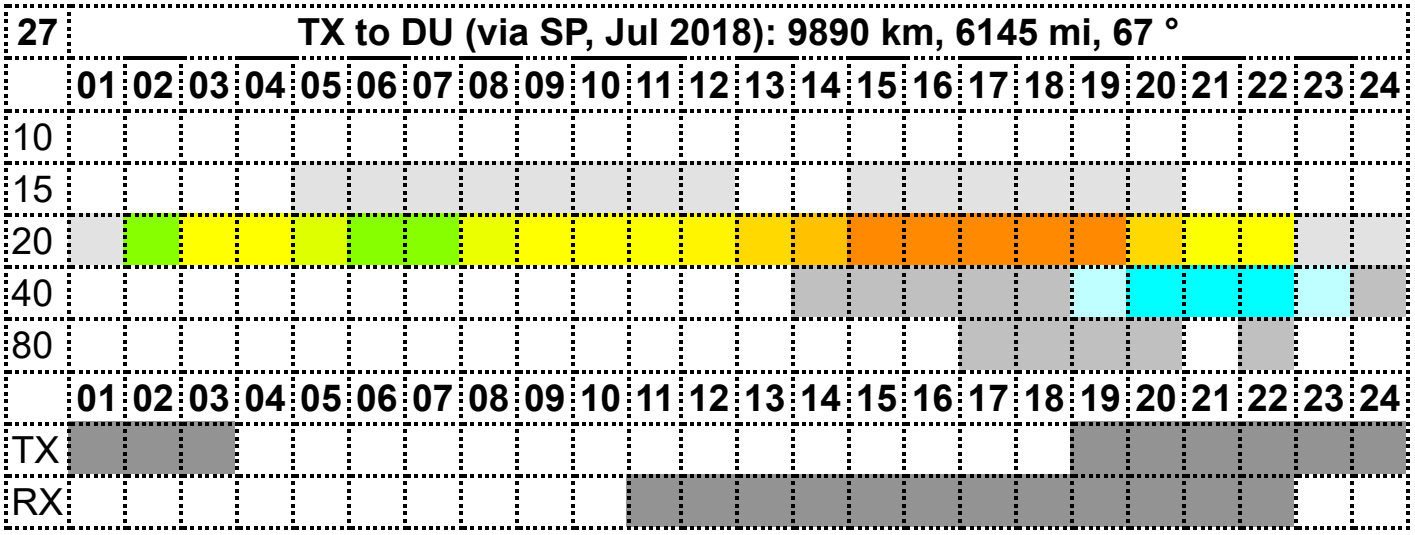

21
TX to A7 (via SP, Jul 2018): 4371 km, 2716 mi, 118 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


22
TX to VU (via SP, Jul 2018): 6317 km, 3925 mi, 94 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


23
TX to JT (via SP, Jul 2018): 6261 km, 3891 mi, 53 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX


RX
24
TX to BY (via SP, Jul 2018): 7399 km, 4597 mi, 54 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX
24
TX to VR2 (via SP, Jul 2018): 8813 km, 5476 mi, 68 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX
25
TX to JA (via SP, Jul 2018): 8936 km, 5553 mi, 42 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX
26
TX to HS (via SP, Jul 2018): 8618 km, 5355 mi, 80 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15


20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


27
TX to DU (via SP, Jul 2018): 9890 km, 6145 mi, 67 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
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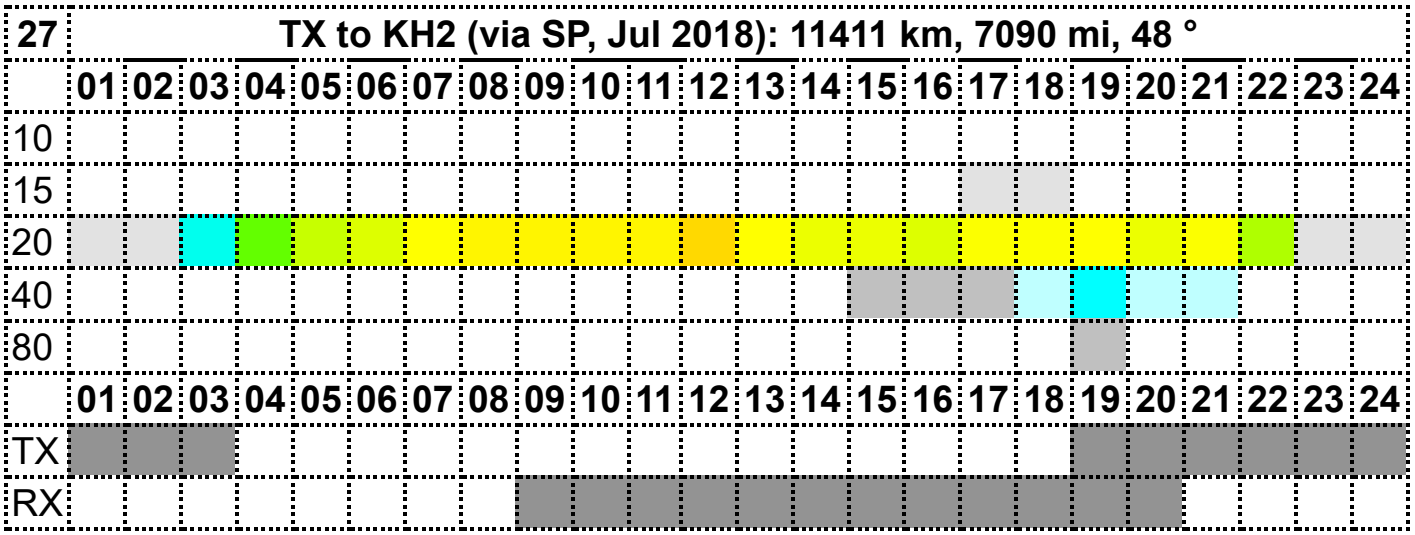
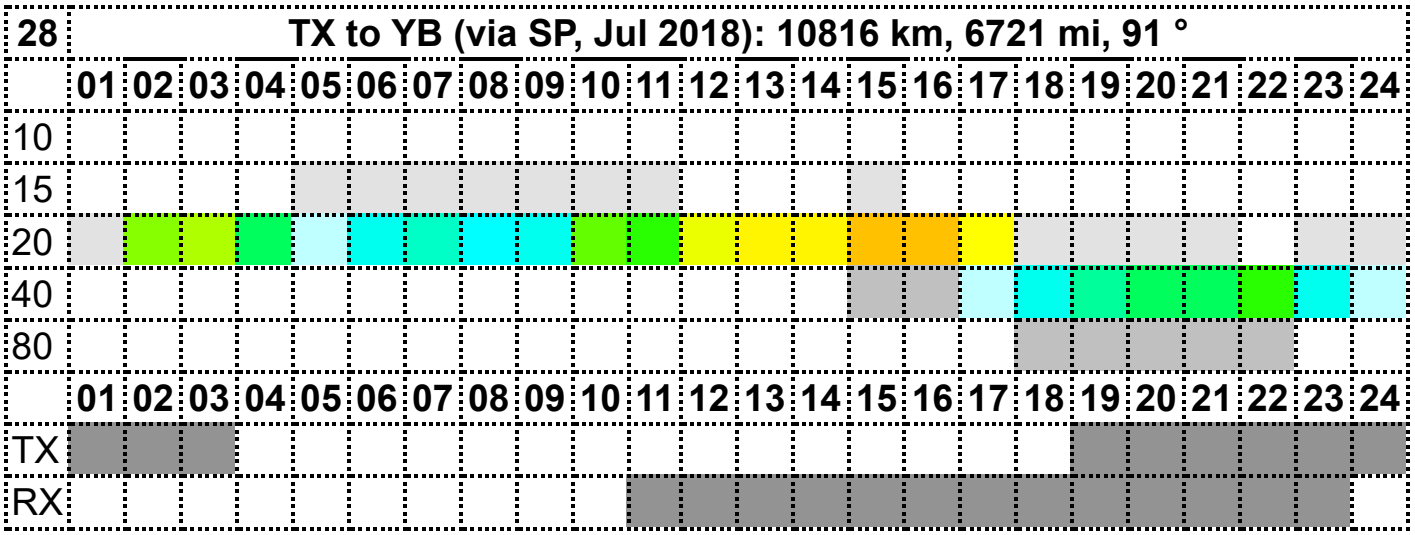
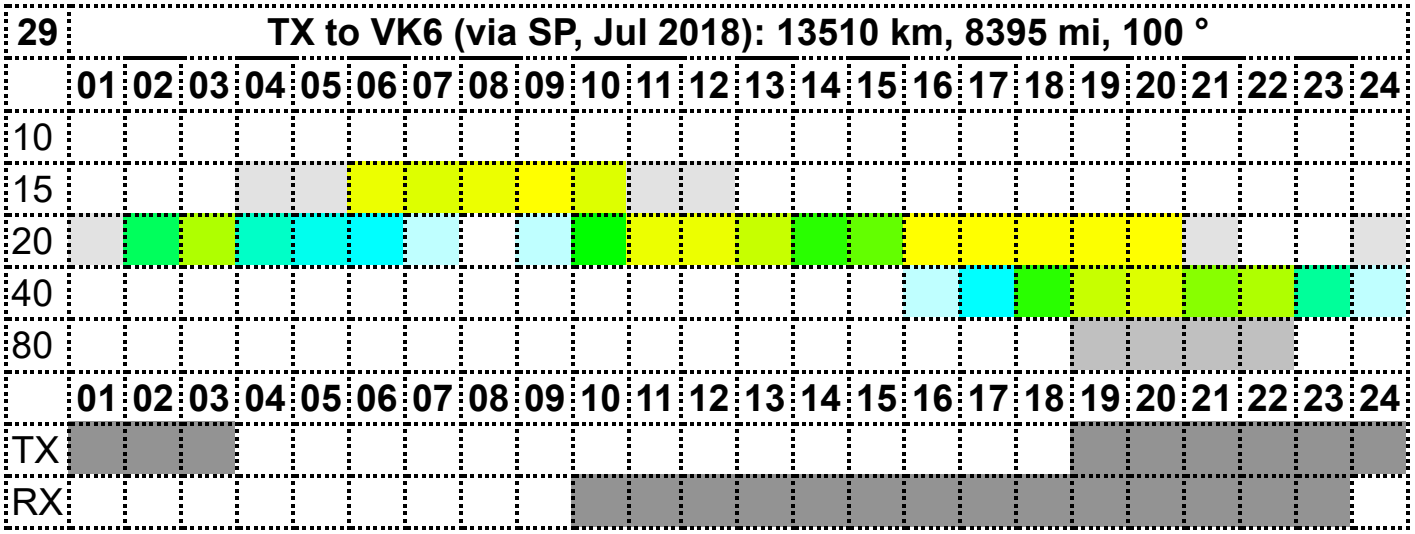
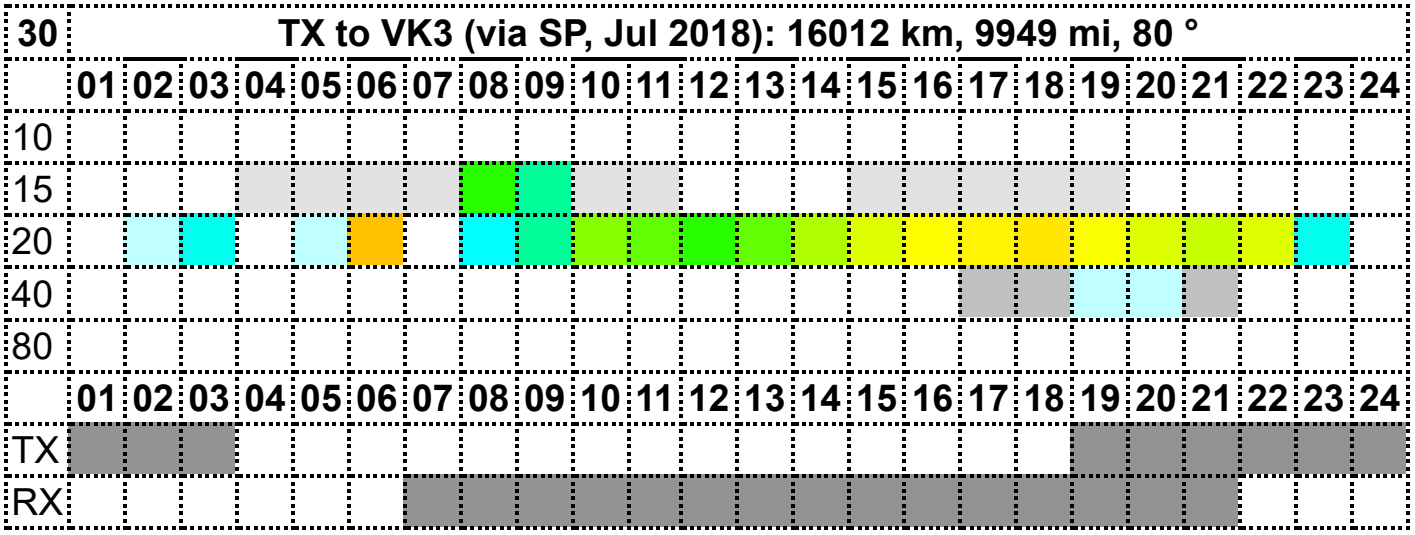
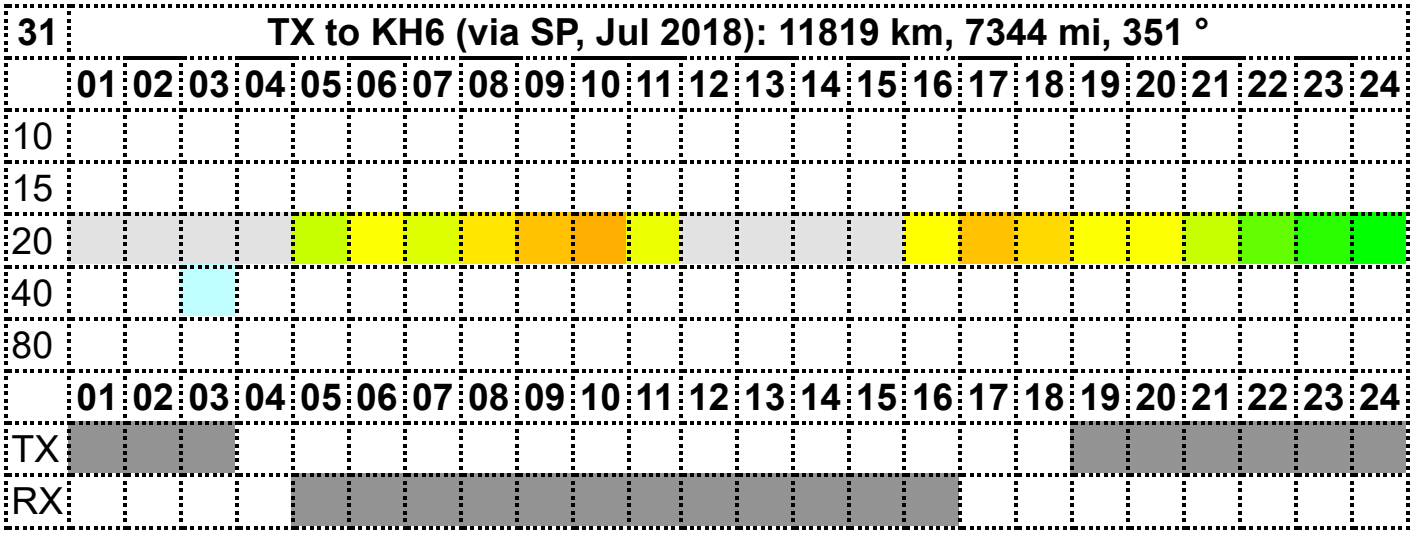
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

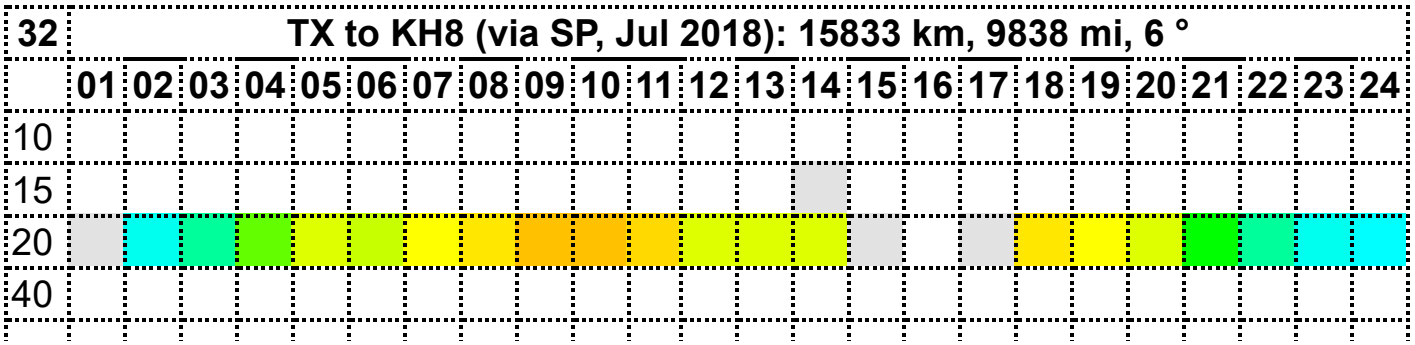

27
TX to KH2 (via SP, Jul 2018): 11411 km, 7090 mi, 48 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

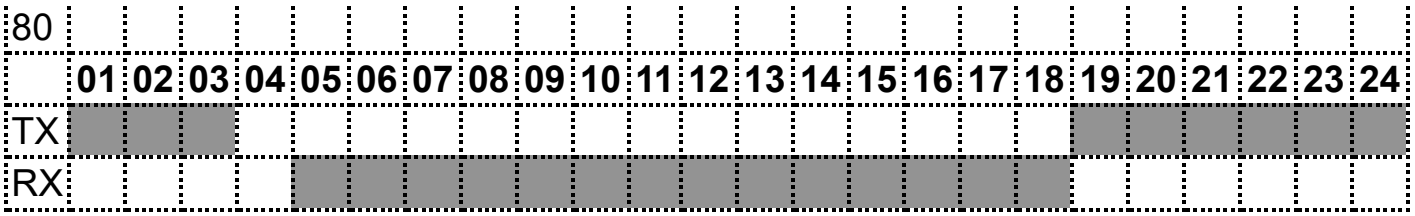

28
TX to YB (via SP, Jul 2018): 10816 km, 6721 mi, 91 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

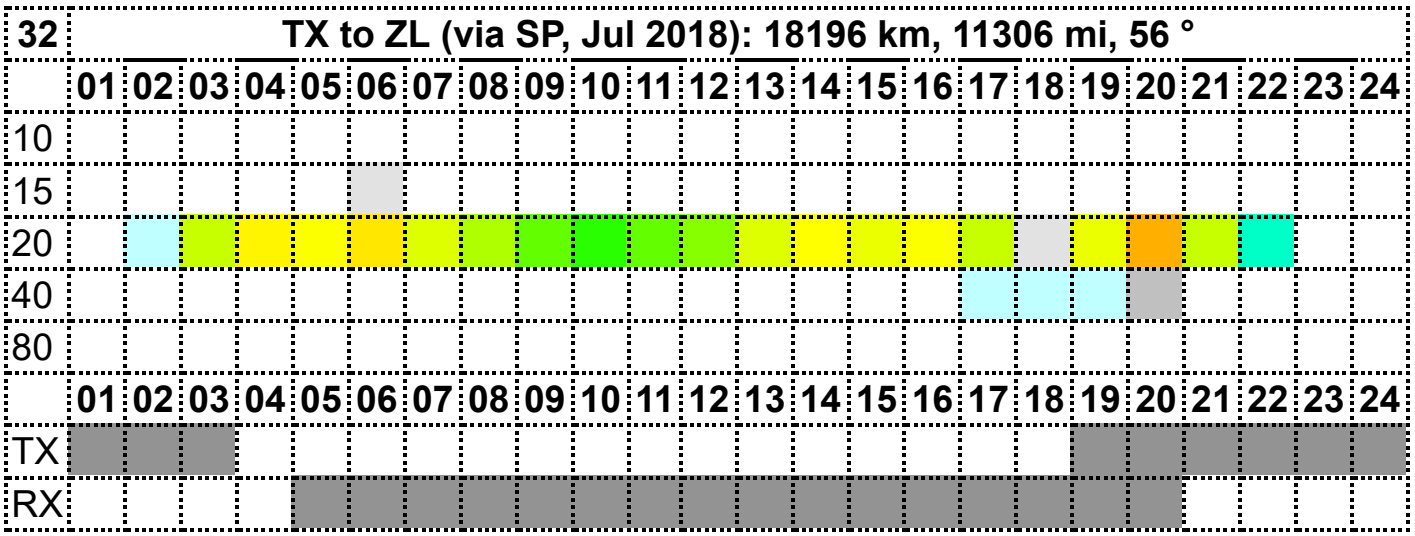

29
TX to VK6 (via SP, Jul 2018): 13510 km, 8395 mi, 100 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
TX
RX

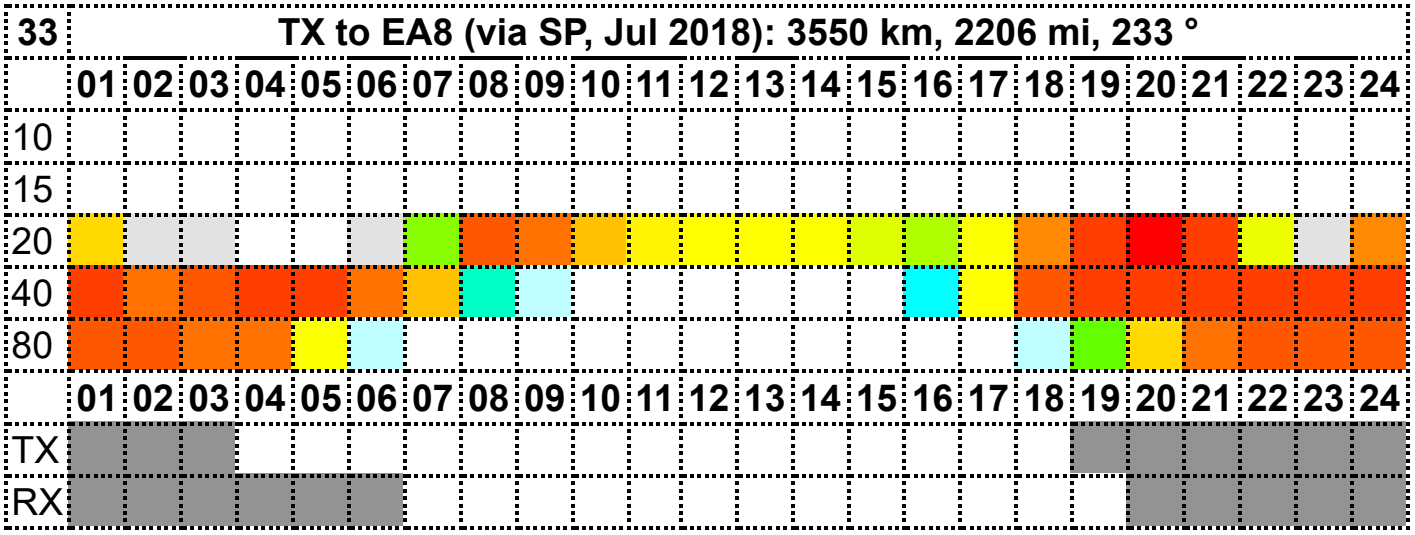

30
TX to VK3 (via SP, Jul 2018): 16012 km, 9949 mi, 80 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
TX
RX

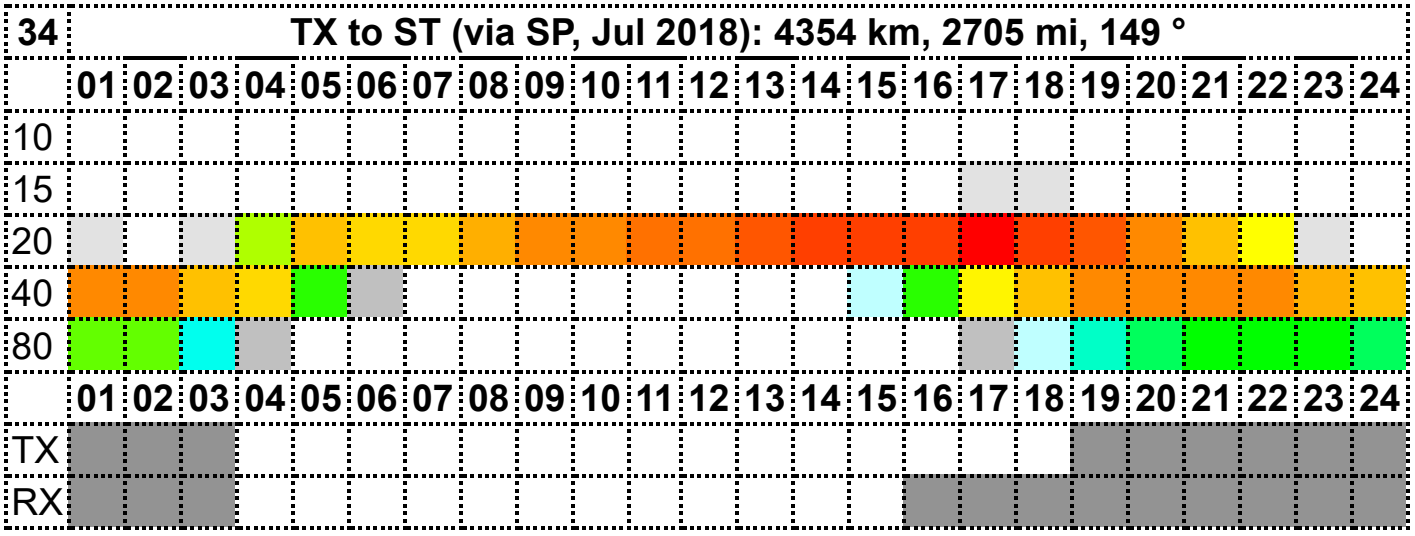

31
TX to KH6 (via SP, Jul 2018): 11819 km, 7344 mi, 351 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
TX
RX


32
TX to KH8 (via SP, Jul 2018): 15833 km, 9838 mi, 6 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40

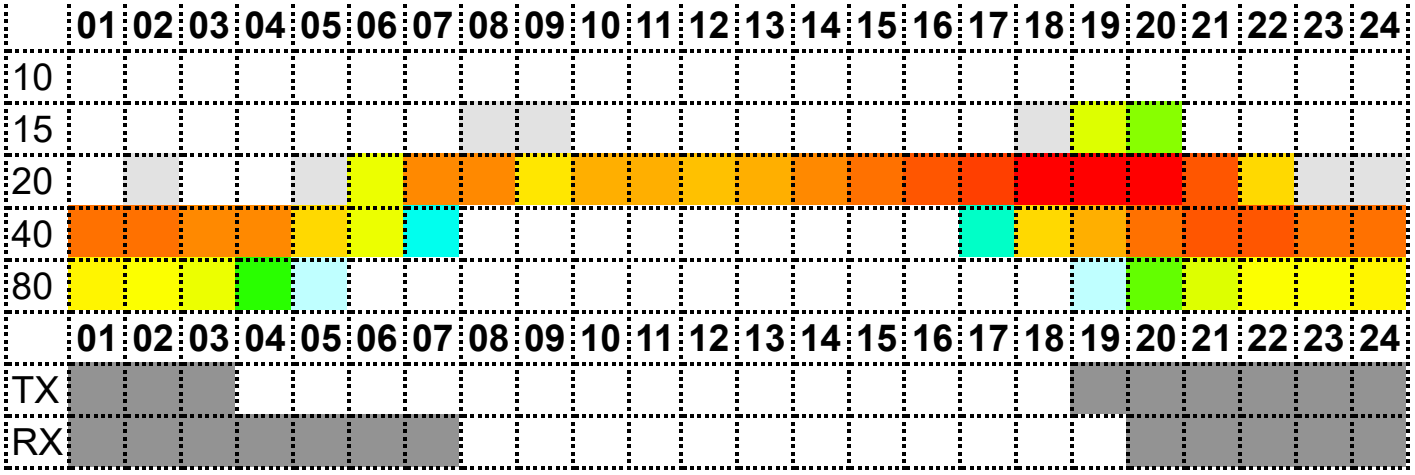

80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


32
TX to ZL (via SP, Jul 2018): 18196 km, 11306 mi, 56 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

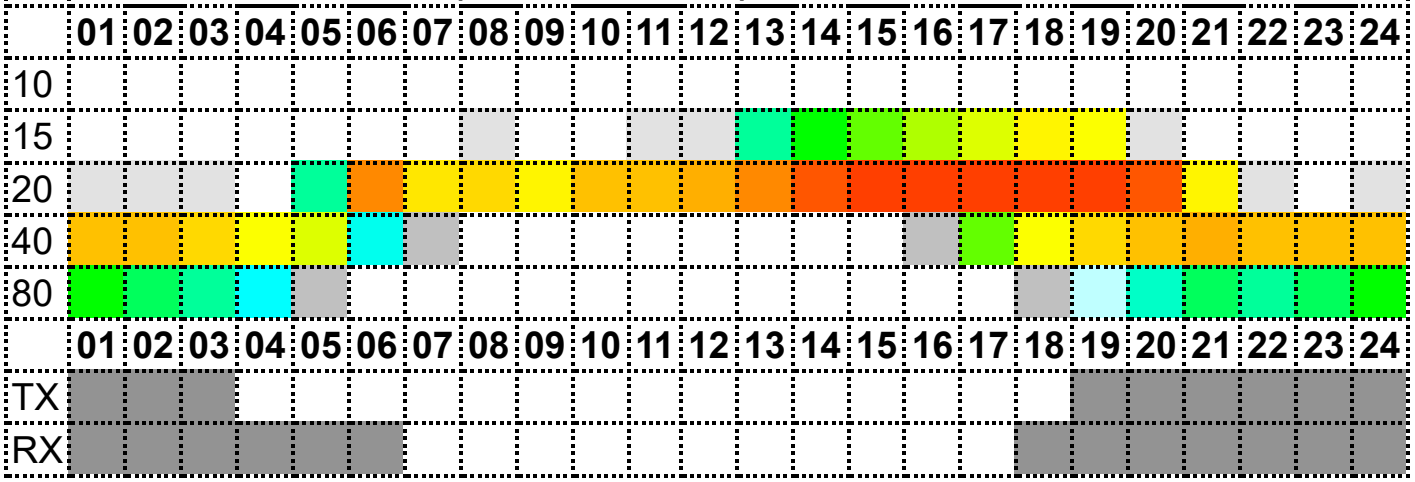

33
TX to EA8 (via SP, Jul 2018): 3550 km, 2206 mi, 233 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


34
TX to ST (via SP, Jul 2018): 4354 km, 2705 mi, 149 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX

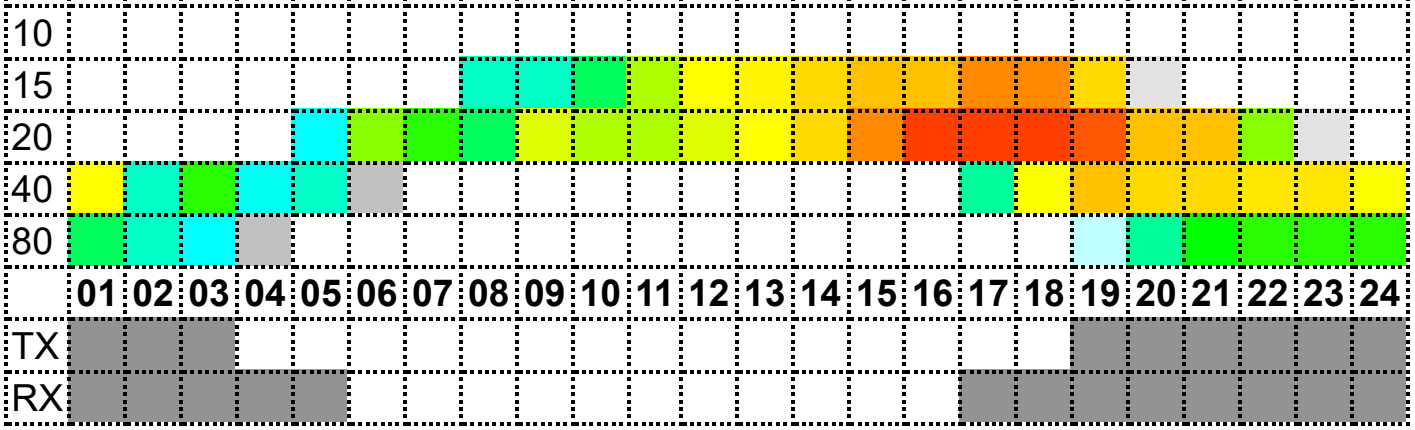
35
TX to 6W (via SP, Jul 2018): 4828 km, 3000 mi, 223 °



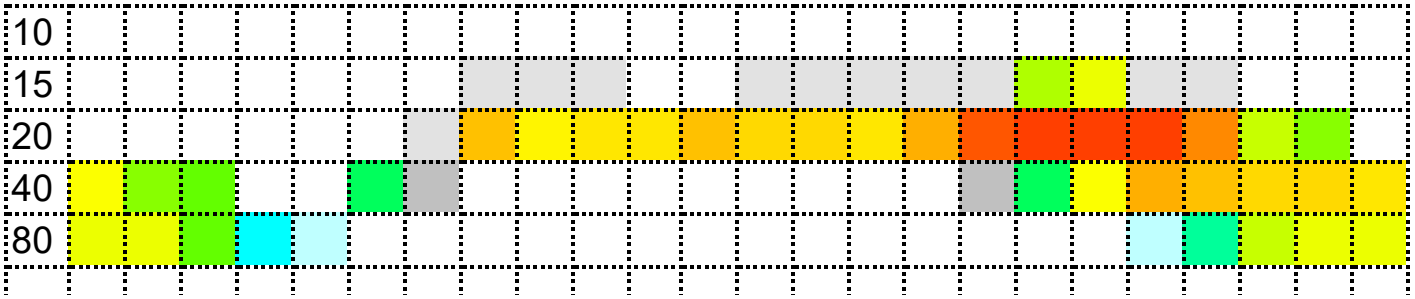
35 TX to 5N (via SP, Jul 2018): 4951 km, 3076 mi, 194 °

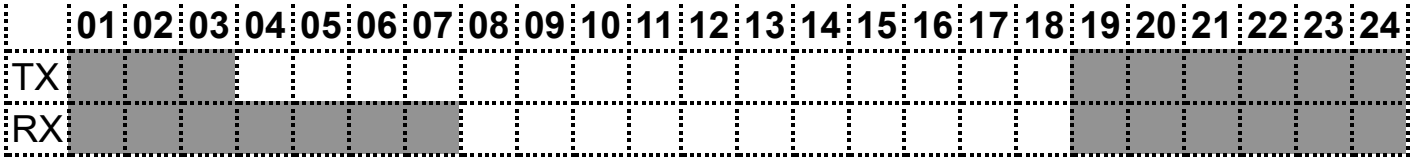


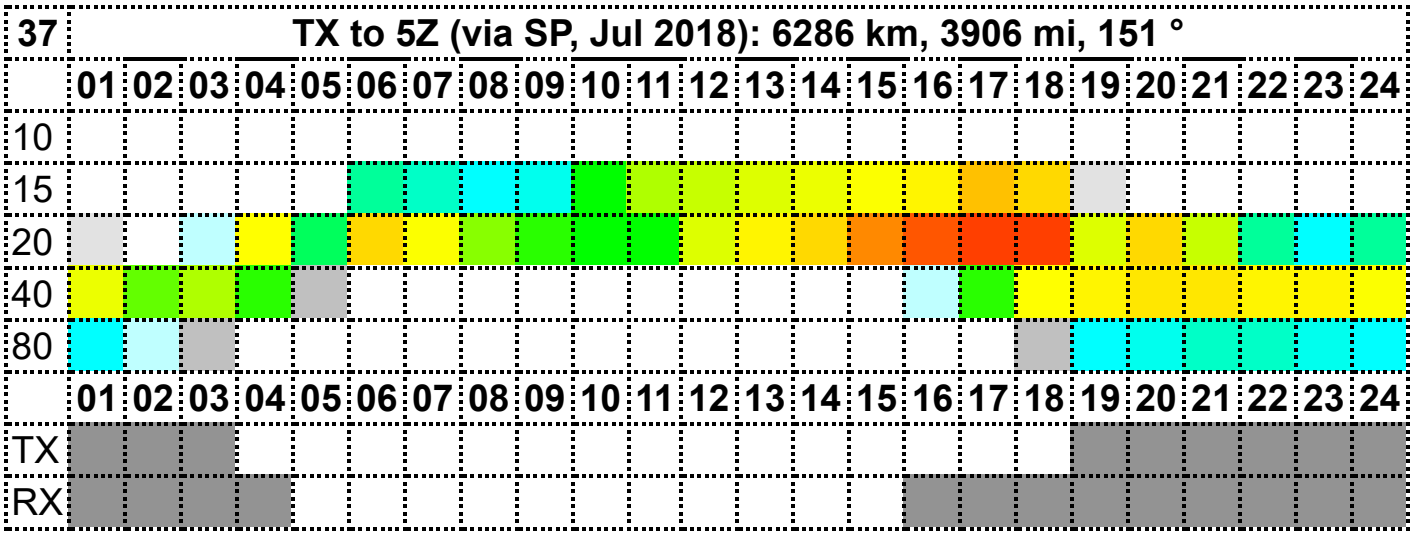
36 TX to 9Q (via SP, Jul 2018): 6315 km, 3924 mi, 178 °

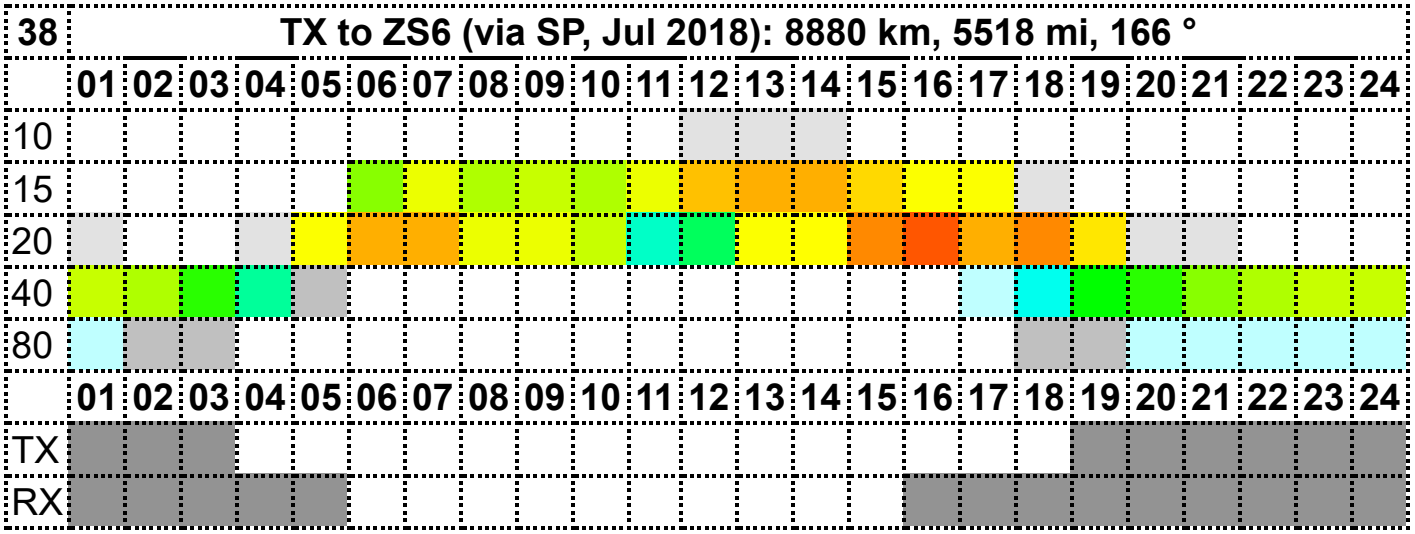


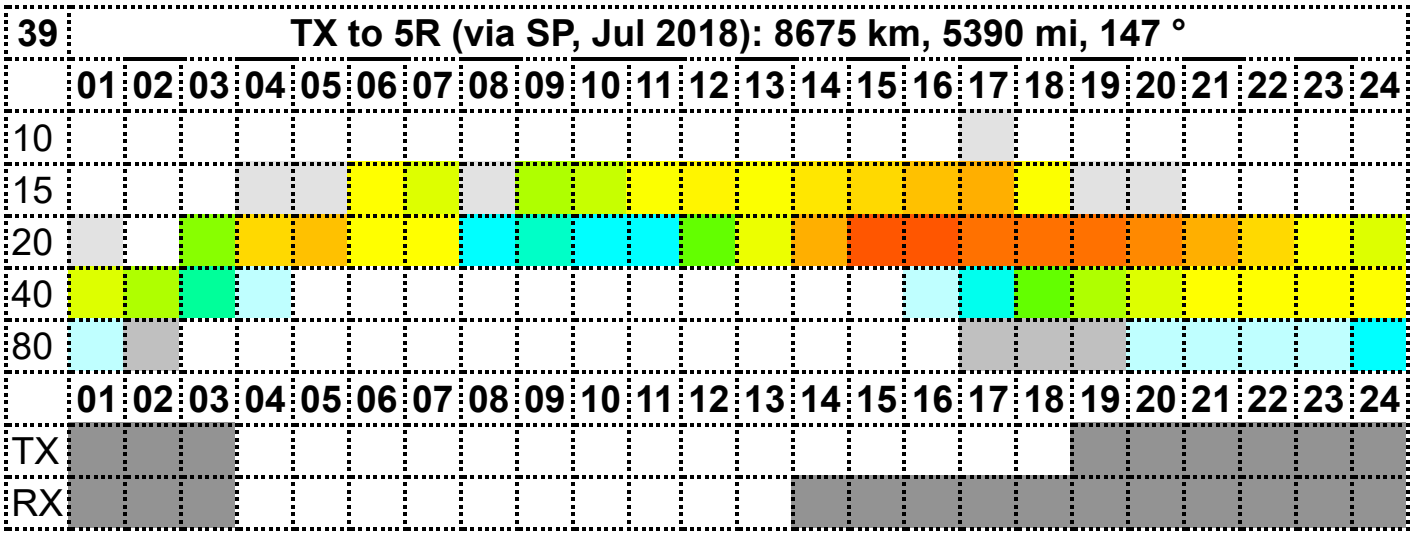
36 TX to ZD8 (via SP, Jul 2018): 7134 km, 4433 mi, 210 °

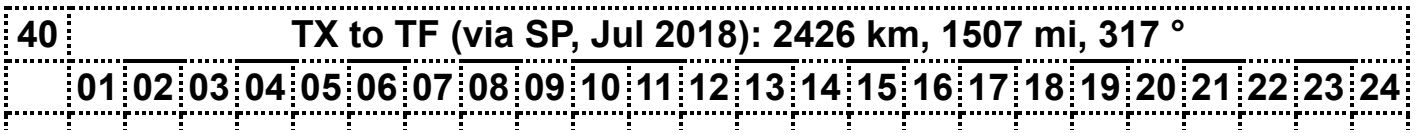


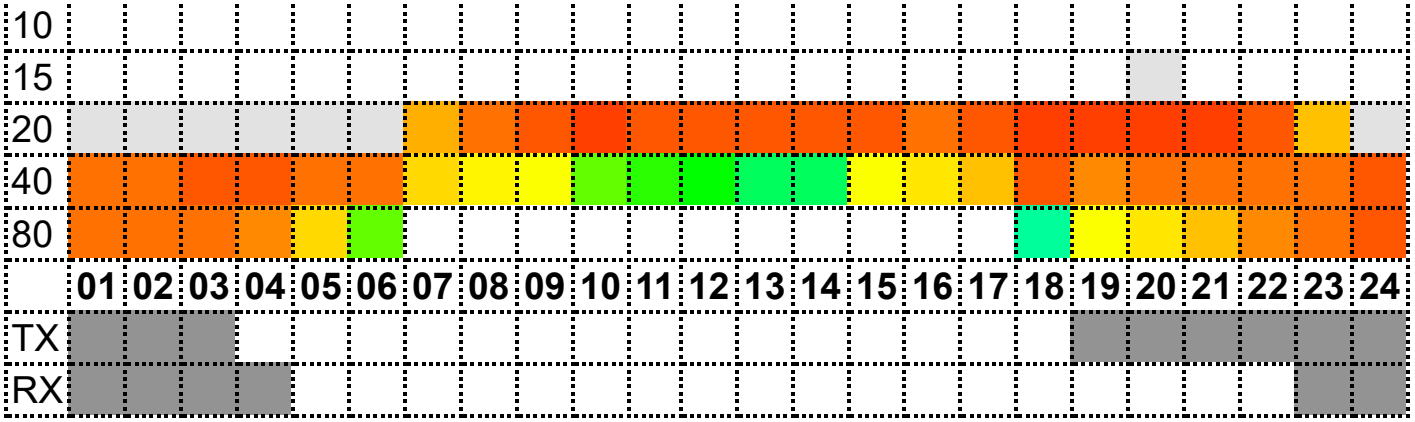

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


37
TX to 5Z (via SP, Jul 2018): 6286 km, 3906 mi, 151 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


38
TX to ZS6 (via SP, Jul 2018): 8880 km, 5518 mi, 166 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


39
TX to 5R (via SP, Jul 2018): 8675 km, 5390 mi, 147 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
10
15
20
40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX


40
TX to TF (via SP, Jul 2018): 2426 km, 1507 mi, 317 °
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24


10
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40
80
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
TX
RX