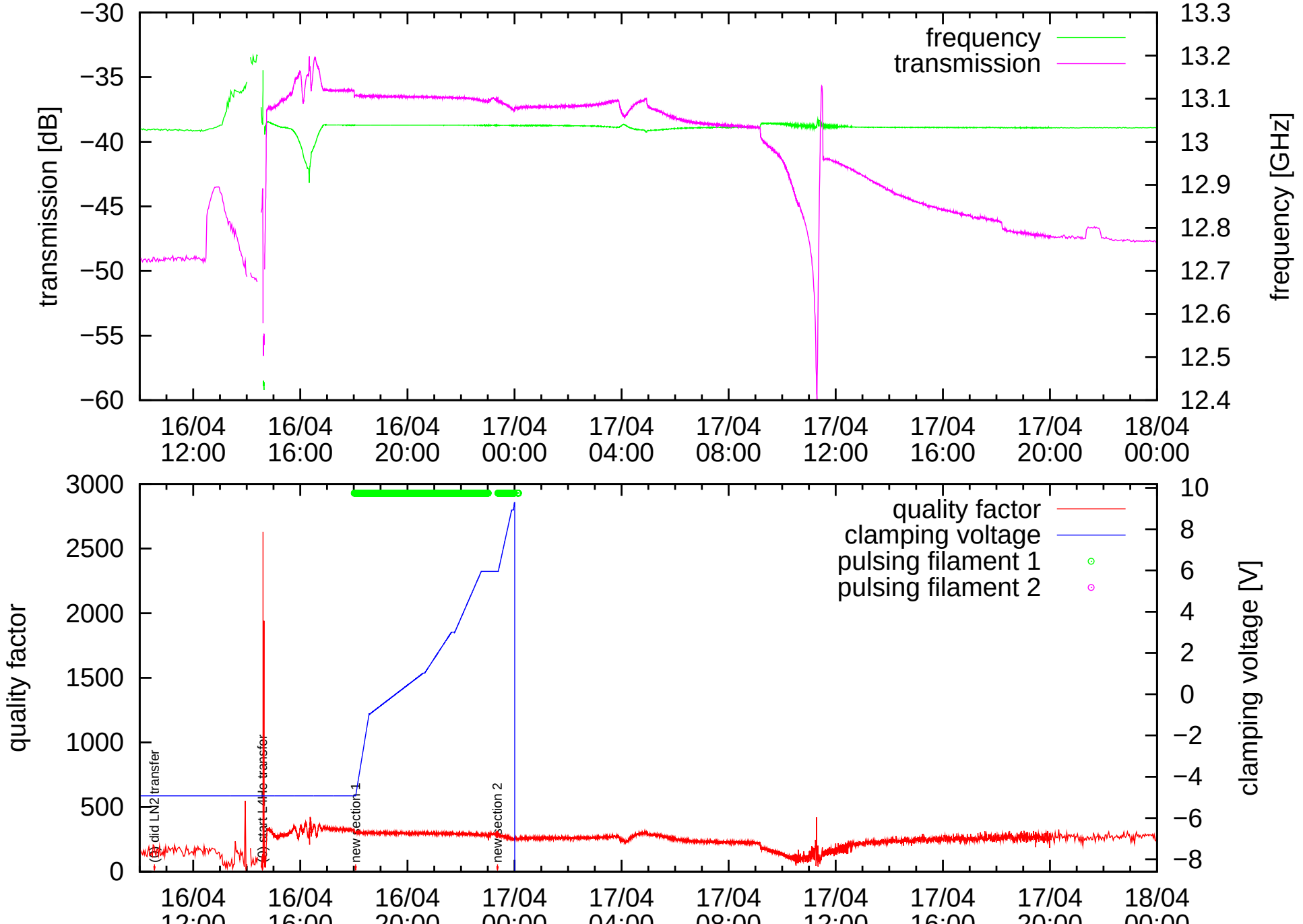
frequency
transmission
transmission [dB]
frequency [GHz]
−30
−35
−40
−45
−50
−55
−60
13.3
13.2
13.1
13
12.9
12.8
12.7
12.6
12.5
12.4
16/04 12:00
16/04 16:00
16/04 20:00
17/04 00:00
17/04 04:00
17/04 08:00
17/04 12:00
17/04 16:00
17/04 20:00
18/04 00:00
quality factor
clamping voltage
pulsing filament 1
pulsing filament 2
quality factor
clamping voltage [V]
3000
2500
2000
1500
1000
500
0
10
8
6
4
2
0
−2
−4
−6
−8
(6) did LN2 transfer
(7) start L4He transfer
new section 1
new section 2