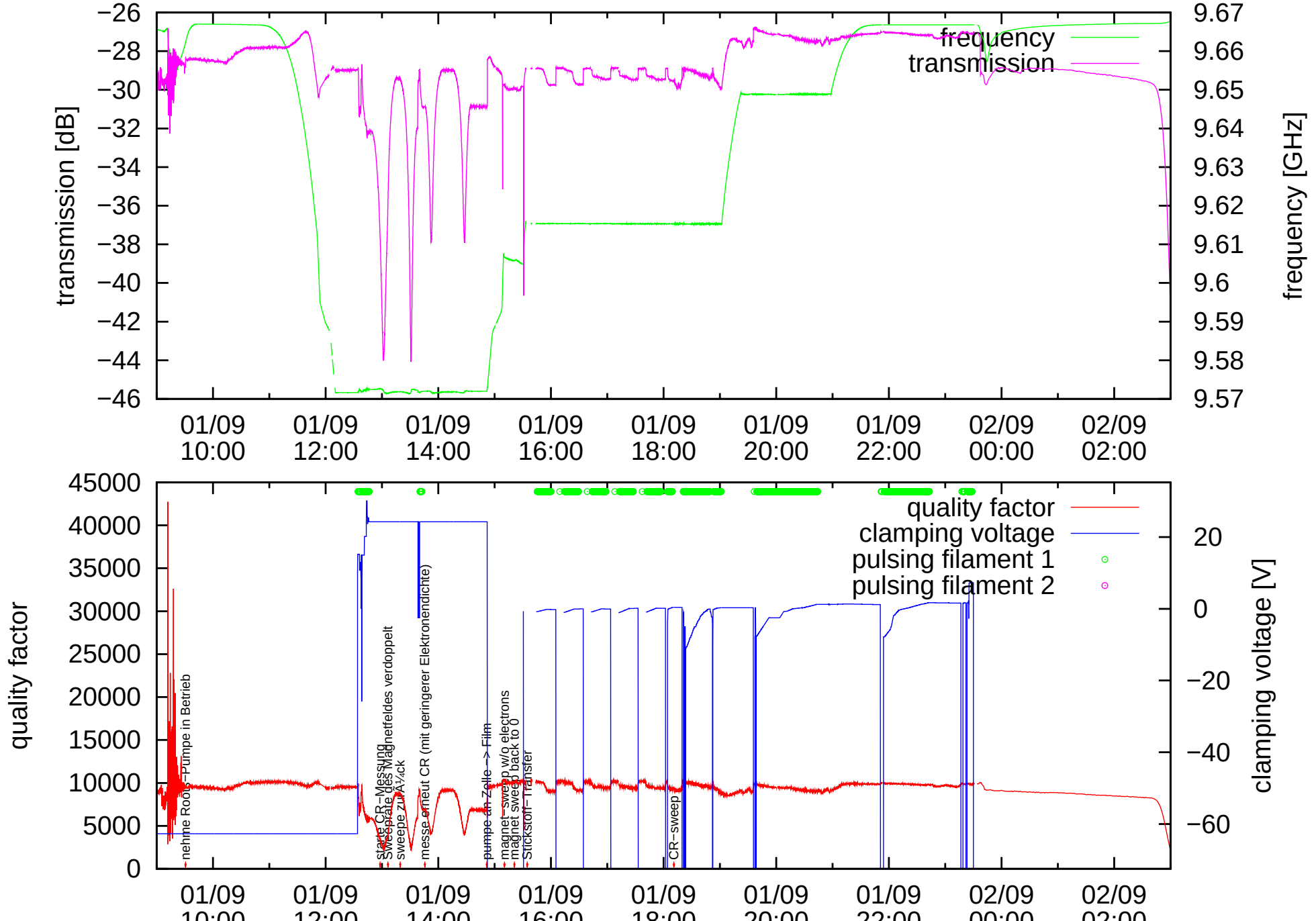
transmission [dB]
frequency [GHz]
frequency
transmission
−26
−28
−30
−32
−34
−36
−38
−40
−42
−44
−46
9.67
9.66
9.65
9.64
9.63
9.62
9.61
9.6
9.59
9.58
9.57
01/09 10:00
01/09 12:00
01/09 14:00
01/09 16:00
01/09 18:00
01/09 20:00
01/09 22:00
02/09 00:00
02/09 02:00
quality factor
clamping voltage [V]
quality factor
clamping voltage
pulsing filament 1
pulsing filament 2
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
20
0
−20
−40
−60
nehme Roots-Pumpe in Betrieb
starte CR-Messung
Sweeplate des Magnetfeldes verdoppelt
sweepe zum Ausck
messe erneut CR (mit geringerer Elektronendichte)
pumpe an Zelle -> Film
magnet-sweep w/o electrons
magnet sweep back to 0
Stickstoff-Transfer
CR-sweep