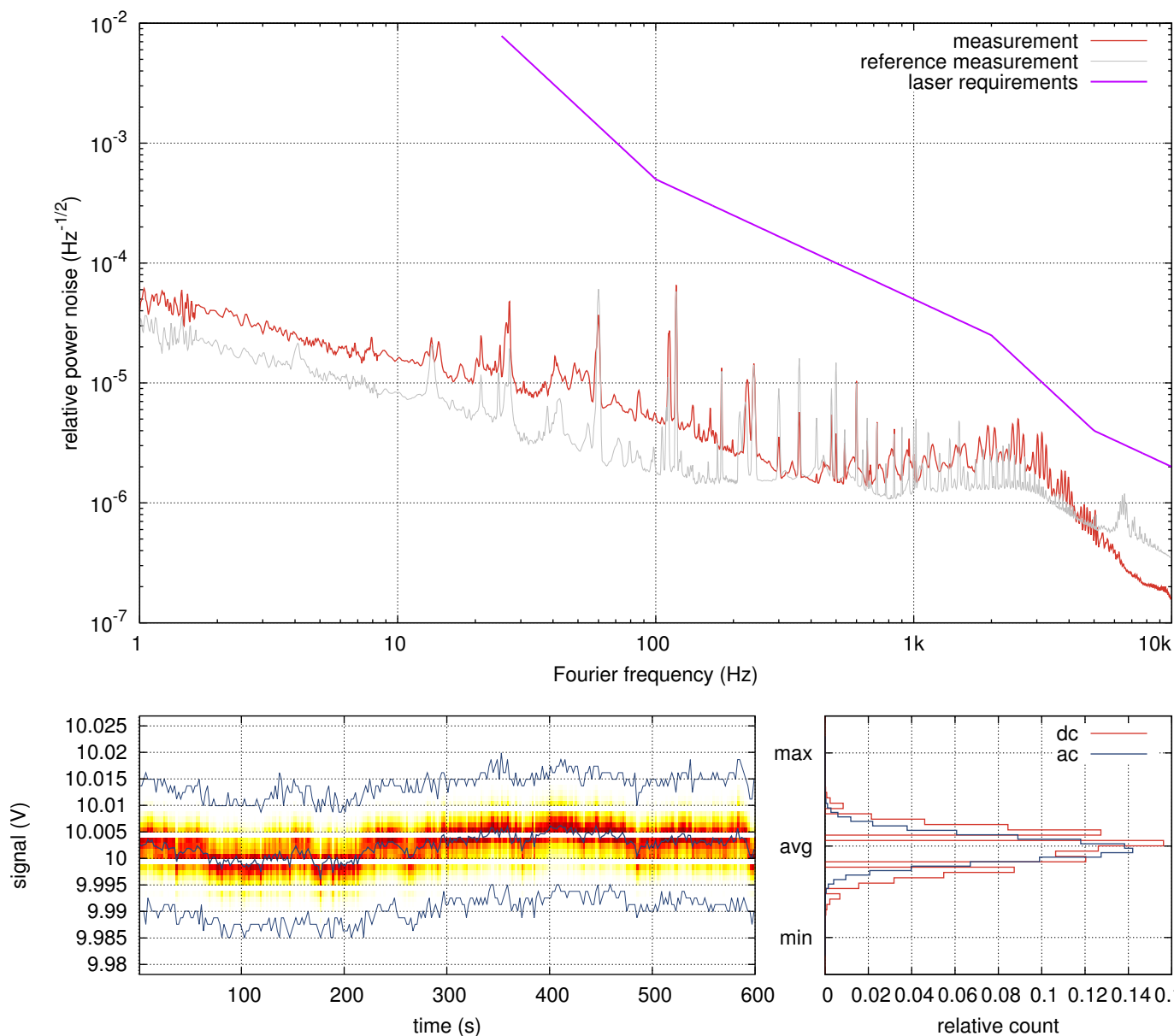




DBB

Diagnostic breadboard: DBID 0308, manual mode (2)
Selected laser beam: 35W laser (DBB shutter open)

POWER NOISE

Measurement: 600 s = 10.0 min, 28. Sep 2017 07:45 PDT
Average DC signal: 10.002 V
DC signal range: 9.985 V . . . 10.020 V (65536 Hz samplingrate)
Minimum power: -0.17% ([min-avg]/avg)
Relative peak-to-peak: 0.35% ([max-min]/avg)
Photo current: 50 mA
Relative shot noise level: $2.53\text{e-}09 \text{ Hz}^{-1/2}$

D A Q	
Measurement duration:	600 s = 10.0 min
Measurement start:	28. Sep 2017 07:45 PDT (28. Sep 2017 14:45 UTC, 1190645136 GPS)
NDS:	h1nds1:8088 (v12r2)
User:	controls@zotws1
Channels:	H1:PSL-DBB_RPD_DC_OUT 65536 Hz, H1:PSL-DBB_RPD_REL_PWR_OUT 65536 Hz, H1:PSL-DBB_SHUTTER 16 Hz, H1:PSL-DBB_DBID 16 Hz, H1:PSL-DBB_MON_SHUTTER_CLOSED 16 Hz, H1:PSL-DBB_MODE_NUM 16 Hz
Raw data:	rawdata.zip (attached to this .pdf file, use Adobe Reader)
Calibration:	default.cali (embedded), 01. Jan 1970 00:00 UTC
Report source files:	report.zip (attached to this .pdf file, use Adobe Reader)
Program:	dbb_rpn.py v0.7, Patrick Kwee, patrick.kwee@aei.mpg.de

I N F O	
Measurement method: The power fluctuations of the beam were measured with a photodetector on the DBB. Detailed information about the measurement method and instructions for performing this measurement are available in Kwee et al., Appl. Opt., 47(32):6022–6032, 2008; LIGO-T0900133; LIGO-T0900579.	
<i>no comment</i>	