



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

POWER NOISE	
Measurement:	600 s = 10.0 min, 23. Sep 2014 07:45 PDT
Average DC signal:	9.665 V
DC signal range:	9.650 V . . 9.680 V (65536 Hz samplingrate)
Minimum power:	-0.15% ([min-avg]/avg)
Relative peak-to-peak:	0.31% ([max-min]/avg)
Photo current:	48 mA
Relative shot noise level:	$2.57e-09 \text{ Hz}^{-1/2}$

D A Q

Measurement duration:	600 s = 10.0 min
Measurement start:	23. Sep 2014 07:45 PDT (23. Sep 2014 14:45 UTC, 1095518767 GPS)
NDS:	h1nds1:8088 (v12r0)
User:	controls@opsws1
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>