



DBB

Diagnostic breadboard: DBID 0308, lock mode (4)
 Selected laser beam: 35W laser (DBB shutter open)

POWER NOISE

Measurement: 60 s = 1.0 min, 07. Mar 2012 09:49 PST
 Average DC signal: 9.460 V
 DC signal range: 9.413 V . . 9.504 V (65536 Hz samplingrate)
 Minimum power: -0.49% ([min-avg]/avg)
 Relative peak-to-peak: 0.96% ([max-min]/avg)
 Photo current: 47 mA
 Relative shot noise level: 2.60e-09 Hz^{-1/2}

D A Q

Measurement duration:	60 s = 1.0 min
Measurement start:	07. Mar 2012 09:49 PST (07. Mar 2012 17:49 UTC, 1015177761 GPS)
NDS:	h2nds0:8088 (v12r0)
User:	controls@h2pslws0
Channels:	H2:PSL-DBB_RPD_DC_OUT 65536 Hz, H2:PSL-DBB_RPD_REL_PWR_OUT 65536 Hz, H2:PSL-DBB_SHUTTER 16 Hz, H2:PSL-DBB_DBID 16 Hz, H2:PSL-DBB_MON_SHUTTER_CLOSED 16 Hz, H2:PSL-DBB_MODE_NUM 16 Hz
Raw data:	rawdata.zip (attached to this .pdf file, use Adobe Reader)
Calibration:	dbb_rpn.2011-06-09.cali (embedded), 09. Jun 2011 15:56 UTC
Report source files:	report.zip (attached to this .pdf file, use Adobe Reader)
Program:	dbb_rpn.py v0.6, 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>