



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

| POWER NOISE | |
|----------------------------|---|
| Measurement: | 60 s = 1.0 min, 19. Nov 2012 09:00 PST |
| Average DC signal: | 9.157 V |
| DC signal range: | 9.143 V . . 9.170 V (65536 Hz samplingrate) |
| Minimum power: | -0.15% ([min-avg]/avg) |
| Relative peak-to-peak: | 0.30% ([max-min]/avg) |
| Photo current: | 46 mA |
| Relative shot noise level: | 2.65e-09 Hz ^{-1/2} |

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|-----------------------|---|
| Measurement duration: | 60 s = 1.0 min |
| Measurement start: | 19. Nov 2012 09:00 PST (19. Nov 2012 17:00 UTC, 1037379651 GPS) |
| NDS: | h1nds1:8088 (v12r0) |
| User: | psl@operator2 |
| 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 v0.6, Patrick Kwee, patrick.kwee@aei.mpg.de |

I N F O

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| 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> |