

Caltech Optical Observatories / NASA Jet Propulsion Laboratory  
Palomar Adaptive Optics

Palomar LGSAO Engineering Summary 10/13/06 UT

Daytime results:

1. Tested BTO off-zenith lookup tables. Found problem with M1y south of zenith.

Night log:

1830 Overcast with light rain. Decided to retain spotters until midnight, and proceed with in-dome tests.

1900 AB focusing Coude diagnostics cameras.

1900 Starting LOWFS focus versus field position test.

1930 Starting LOWFS flexure test.

2200 Coude diagnostics all functional, though more filters will be needed to allow viewing of all at high power.

2300 Test firing laser in dome.

2345 Cancelled laser operations for the rest of the night due to continued rain and fog.

2400 Switching from 589nm dichroic to reflective field stop.

0125 Testing new BTO off-zenith look-up tables.

33.3	0.0	OK
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-10.0	0.0	OK
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-20.0	0.0	no
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-10.0	30.0	OK
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20.0	60.0	OK
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40.0	60.0	OK
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55.0	60.0	OK
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60.0	30.0	no
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60.0	0.0	OK
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60.0	-30.	OK
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60.0	-45.	OK
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60.0	-60.	no
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40.0	-60.	OK
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20.0	-60.	OK
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-10.0	-30.	OK
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0200 Covering up LLT, cleaning up Coude lab, downloading telemetry data off Harbor.

0300 Calling night due to continued fog and rain.