Second Try

LIGO-T1500062-v1

END STATION: ENLY Lito

Appendix A: Calibration Log

For different measurements listed below record six minutes of data for each setting and record the GPS time. For background measurements take 60 seconds of data. To avoid the transient and power instability issue, watch the OFSPD and TxPD monitor to see if they are reasonable before recording the GPS time for each measurement.

Also record the following information if applicable:

1. DAC Calibration: 1V = 1636cts and 2V = 3274 cts

2. Offset Value: 6,5 V

3. OFS Gain: 39

4. Power Level: 5 V /inner

A.1. Measurement Settings, Procedure and Record Sheet:

1. Block the outer beam using the beam dump and place the Working Standard (WS#) on the path of the outer beam going to the test mass at TX module and record data below:

TxPD and WS#PD reading when the WS# is at inner beam at the TX module				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1	1136066980	TxPD 2.532 V		
Duration	360	WSPD	-3.970	
End Time #1	1136057340	OFSPD	-5,4800	

2. Move the beam block to the inner beam and place the WS# on the outer beam at TX module and record data below:

TxPD and WS#PD reading when the WS# is at outer beam at the TX module				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen			ed from MEDM screen:	
Start Time #1	1136057430	TxPD 2.5315 V		
Duration	360	WSPD	-0.4035	
End Time #1 \\3605790 OFSPD -5,4805			-5,4805	

3. Close the shutter and take a background measurement for 60 seconds and record the data:

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Background for TX and WS when WS is at TX				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1 1136057840 TxPD 0.0065				
Duration	60	WSPD	-0.0010	
End Time #1	900	OFSPD	-0.0105	

4. Move the WS to Receiver (RX) Module and place it at the position of RxPD. Open the shutter and take a measurement and record that data below:

TxPD and WS#PD reading when the WS# is at outer beam at the RX module				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1	1136058420	0 TxPD 2.5320		
Duration	360	WSPD	-0.2670	
End Time #1	136058780	OFSPD	-5.4806	

5. Move the beam block at TX to the outer beam leaving the working standard in the same position and record data below:

TxPD and WS#PD reading when the WS# is at inner beam at the RX module				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1 136059 100 TxPD 2.5315			2.5315	
Duration	360	WSPD	-0.3610	
End Time #1	136059400	OFSPD	-5.4800	

6. Close the shutter and take background measurement for 60 seconds and record the data below:

TxPD and WS#PD reading when the WS# is at outer beam at the TX module				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:			ned from MEDM screen:	
Start Time #1	136059430	TxPD 0.0065		
Duration	60	WSPD	-0.0005	
End Time #1	490	OFSPD	-0.0105	

7. Remove the WS from RxPD position and replace it with RxPD. Close the RxPD enclosure and open the shutter to make measurement. Record the data below:

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TxPD and RxPD reading of the inner beam				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1 136059800 TxPD 2.5315				
Duration	360	RxPD	1.4580	
End Time #1	1136060160	OFSPD	-5,486	

8. Move the beam block to the inner beam and take measurement. Record the data below:

TxPD and RxPD reading of the outer beam			
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:			ed from MEDM screen:
Start Time #1	1136060280	TxPD	2.5315
Duration	360	RxPD	1.16
End Time #1	136060640	OFSPD	0.5400 -5,4800

9. Close the shutter and move the beam block away from the beam path and take a background measurement for 60 seconds and record the data below:

Background for TxPD and RxPD				
Data Acquisition (in GPS Time) Readings as obtained from MEDM screen:				
Start Time #1	1136060740	TxPD	0.0070	
Duration	60	RxPD	0.0005	
End Time #1	800	OFSPD	-0.0105	

Note-make sime beam block has been removed!