Mon 12 Sep 2016 HST = Day 01 pg. 1 of 2

MLML RADIOMETRIC CALIBRATION LOG

EXPERIMENT HI-2016-08 LOCATION Pier 35, Rm 124

DATE 13Sep2016 OBSERVERS MF

INSTRUMENT BS04 S/N CONFIG 001 Junk

COLLECTOR bare FO bundle DISTANCE @ ent port = Jig

mux position fiber

SOURCE Oriel 6000 S/N CONFIG 12" Spect sphere

PWR SUPPLY Oriel S/N CONFIG

MULTIMETER Keithley S/N SHUNT

LAMP VOLTAGE 10 Vdc CURRENT 8A

LAMP TIME ON 01:17 WARMUP OFF TOTAL

WHERE NODE :: DEV : [DIR]

SETUP SKETCH / REMARKS

CCD S/N 17881,
FO Bundle S/N 245138
pwr sup PS25 @ II = deep cooling

PROCESSED DATE: BY:

Time	Filename	Int Time/Bin Fact or Gain	Shunt Current PD nA	Lamp Voltage V	Humidity % R.H.	Temp. °C	Remarks
01:09	aux20160913 01.dat	/ 01:11	com = ON		56	22.7	
	Andor TEC = off						
01:12	b20160913 01:03.fits	1sec	.005nA				
24	s 01:03	1	9.215μA				
26	-20°C TEC set						
1:30	b 04:06	1sec	~19 μA				
	s 04:06				60	22.3	
33	-40°C						
37	b 07:09	1sec	19.91 μA				
38	s 07:09		19.922				
1:39	-80°C						
46	b 10:12	1sec					
47	s 10:12		19.891				
48	-40°C TEC SET						

(21-Feb-05 MF)

... digging out jumper FOs from double-stacked L-Vans

Mon 12Sep2016 HST = Day 01 pg. 2 of 2

MLML RADIOMETRIC CALIBRATION LOG

EXPERIMENT HI-2016-08 LOCATION RM 124

DATE 13 Sep 2016 OBSERVERS MF

INSTRUMENT BS S/N 04 CONFIG 001

COLLECTOR bundle FO to splitter DISTANCE
(mux position fiber)

SOURCE Oriel 6000 S/N CONFIG 12" Spectralon sphere

PWR SUPPLY S/N CONFIG

MULTIMETER S/N SHUNT

LAMP VOLTAGE 12V CURRENT ~8.5 A = MAX

LAMP TIME ON WARMUP OFF 04:03 TOTAL 2:46

WHERE NODE :: DEV : [DIR]

SETUP SKETCH / REMARKS

brand new Splitter = Fibersense & Signals
1x2 600um unifused multimode
Solarization Resistant Fiber
Custom P/N No. FOSC-UF-600SR-MM-0102
Serial No. POSR16050202
Input FO @ sphere exitport
output FO # A to bundle FO #5
B to bundle FO # 10
w/thermistor attached @ 03:45
looks like aux chan #5 (if chan #0 = 5V in) (?)

PROCESSED DATE: BY:

Time	Filename	Int Time/Bin Fact or Gain	Shunt Current PD mA	Lamp Voltage V	Humidity % R.H.	Temp. °C	Remarks
03:52	b20160913 13	1 sec					NOTE split out FO to bundle FO
	S 13	1 sec	38.42 mA				via FC-toFC coupler # ADAFC1
55	b,s 14	2 sec	38.45				
56	15	3 sec	38.47				
57	16	4	38.47		63	23.6	
58	17	5	38.48				
03:59	18	6	38.48				
04:00	19	7	38.48				
01	20	8	38.48				
04:03	Andor TEC = OFF						

Tue 13Sep2016 HST = Day 02 pg. 1 of 2

Stephanies' cut-up VWR 1300 U oven to cook Fiber splitter { took 10x photos

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MLML RADIOMETRIC CALIBRATION LOG

EXPERIMENT HI-2016-08 LOCATION Pier 35, rm 124

DATE 14 Sep 2016 OBSERVERS MF

INSTRUMENT BS S/N 04 CONFIG 001

COLLECTOR Bundle FO 5,10 to splitter (mux, position, fiber) DISTANCE Jig @ 12" Spect sphere

SOURCE Oriel 6000 S/N CONFIG

PWR SUPPLY S/N CONFIG

MULTIMETER S/N SHUNT

LAMP VOLTAGE 12V CURRENT ~8.5A / ~100W

LAMP TIME ON 03:31 WARMUP OFF TOTAL

WHERE NODE :: DEV : [DIR]

SETUP SKETCH / REMARKS

some splitter as yesterday, some track 5, 10 to split out A, B ... except...

added jumper FO between split in & sphere
Ocean Optics QP 1000-2-UV/VIS
Date: 19Apr2005, Lot # EOS 00382-7
Fiber = High OH, 1000 µm (see spec sheet scan)

use 12" FP jig @ sphere out port

AD "Ext" them screwed to splitter
AD "Amb" %RH/°C pen also inside oven

PROCESSED DATE: BY:

Time	Filename	Int Time/Bin Fact or Gain	~~Shunt Current~~ PD mA	Lamp Voltage V	Humidity % R.H.	Temp. °C	Remarks
03:25	pd2016091401		.001 nA		61	23.5	PhotoDiode monitor
328	ad2016091401						LabJack U6 mon
329	Andor TEC set -40°C						
03:51	bs2016091401:03	6 sec	52.35 µA		60	24.1	ovendoor closed, oven OFF
03:54	oven on @ dial = 10						
56	04:0[illegible]	6 sec					
57	oven off						
57	05:07		52.62				
0401	08:10		52.65		57	23.7	
0407	oven chimney Fue open @ top-o-oven						
0407	11:13		52.70				

(21-Feb-05 MF)

tue 13 Sep 2016 HST = Day 02 pg. 2 of 2

MLML RADIOMETRIC CALIBRATION LOG

EXPERIMENT HI-2016-08 LOCATION RM 124

DATE 14 Sep 2016 OBSERVERS MF

INSTRUMENT BS S/N 04 CONFIG 001

COLLECTOR mux position fiber DISTANCE

SOURCE S/N CONFIG

PWR SUPPLY S/N CONFIG

MULTIMETER S/N SHUNT

LAMP VOLTAGE CURRENT

LAMP TIME ON WARMUP OFF 04:36 TOTAL 1:15

WHERE NODE :: DEV : [DIR]

SETUP SKETCH / REMARKS

PROCESSED DATE: BY:

Time	Filename	Int Time/Bin Fact or Gain	~~Shunt Current~~ PD mA	Lamp Voltage V	Humidity % R.H.	Temp. °C	Remarks
04:13	oven door open & close						
04:17	had to restart Solis... & reset TEC @ -40°C & wait to stabilize						Acquired to 100% & stuck there...
420	b,s 20160914 14:16	6 sec	52.75 mA		51	22.3	
	s = dark?						
433	RIP SPLITTER ?						
435	Andor TEC = OFF						

Ocean Optics Inc.
First in Photonics™

Fiber Assembly Report

Item Code

QP1000-2-UV/VIS

Date:	**April 19, 2005**
Lot #:	EOS00382-7
Connector 1 #:	CF0006
Connector 2 #:	CF0029

www.OceanOptics.com
Phone:727-733-2447
Fax:727-733-3962
Info@OceanOptics.com
830 Douglas Ave.
Dunedin, FL 34698

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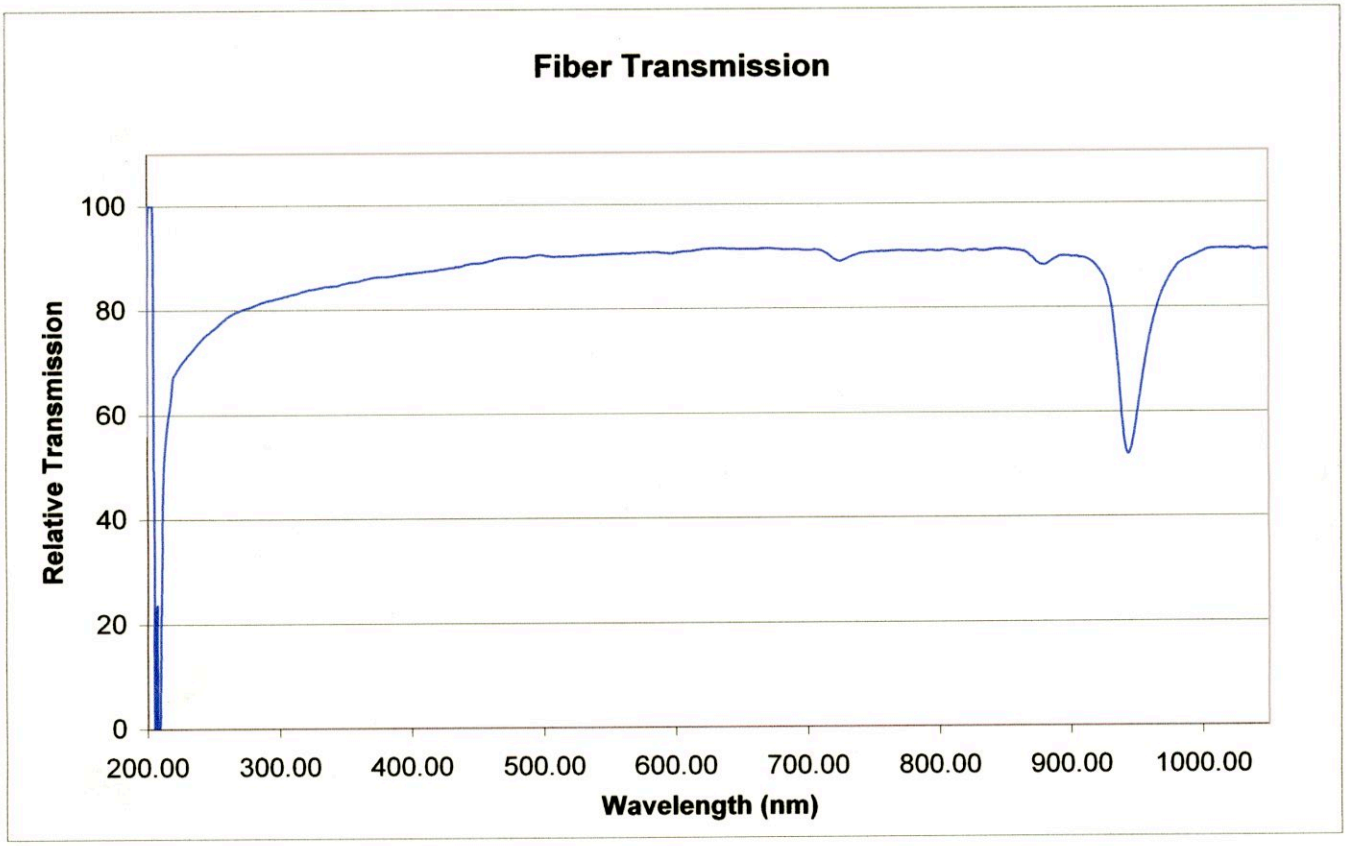
Fiber Lot #:	TOE01A
Fiber Type:	High OH
Clad/Core Ratio:	1:1.05
Numerical Aperature:	.22
Fiber Core Diameter:	1000um

Fiber Buffer Material:	Polyimide
Epoxy Used:	Epotek 354
Jacketing:	Silicone Monocoil
Length (meters):	2.00



Inspection Checklist

Polish:	✓
Concentricity:	✓
Cap Placement:	✓
Labeling:	✓
Color Coding:	✓
Ferrule length:	✓

Inspected by: RUBY FENTON