

Instrument	SATHED
Serial number	0187
Sensor type	Es: Surface Downwelling

Time	Aug 23, 2017 5:20:19 PM
Software	1.9.16
Operator	tsanders
Project	

Comment:	Post Calibration,
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Calibration Parameters

Number of channels	137
Start wavelength	305.96
End wavelength	900.1
Output channels	2 -> 181
Display channels	15 -> 151
Max counts	65535.0
Distance	50.0
Type override	No
Immersion values	

Data Collection

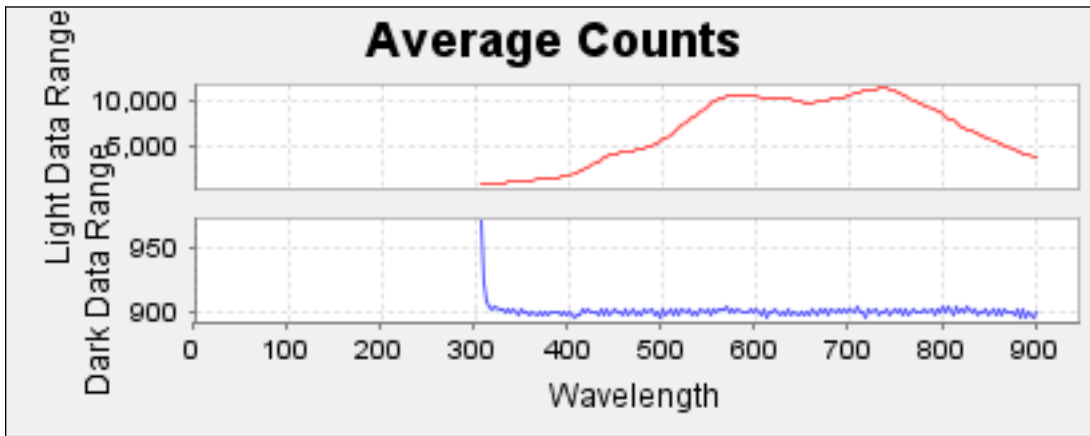
Number dark frames	89
Number light frames	441
Corrupt frames	0
Lost bytes	7420
Capped darks	No

Input Files

TDF template	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\HSE187I.cal
Light data file	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\M\clAj187f-
Dark data file	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\M\clAj187f-
Lamp data file	P:\CALIB\Radiometers\Lamps\F1449.FIT
Target data file	No Target Used

Output Files

Light cal file	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\MHED187m.cal
Dark cal file	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\MHSE187m.cal
Package file	P:\CALIB\Radiometers\HyperOCR\In_Air_Irradiance_HSE\hse187\data\Cal\MHSE_0187_13.xml

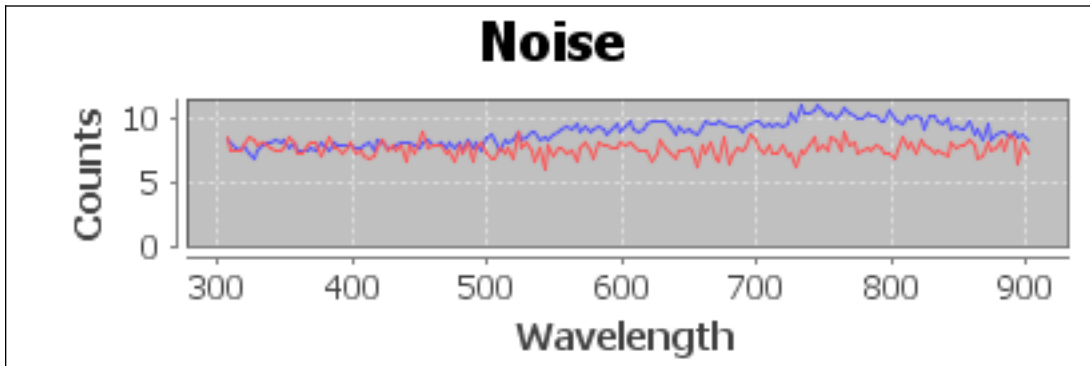


Pass Criteria
 Dark range less than 50 counts, light counts resembles solar spectrum

Dark Range

75.6

— Average Light Counts (cIAj187f-0187_2017-08-22_16-02-39_raw.bin)
 — Average Dark Counts (cIAj187f-0187_2017-08-22_16-02-39_raw.bin)



Pass Criteria
 Dark noise delta less than 12, light noise delta less than 35

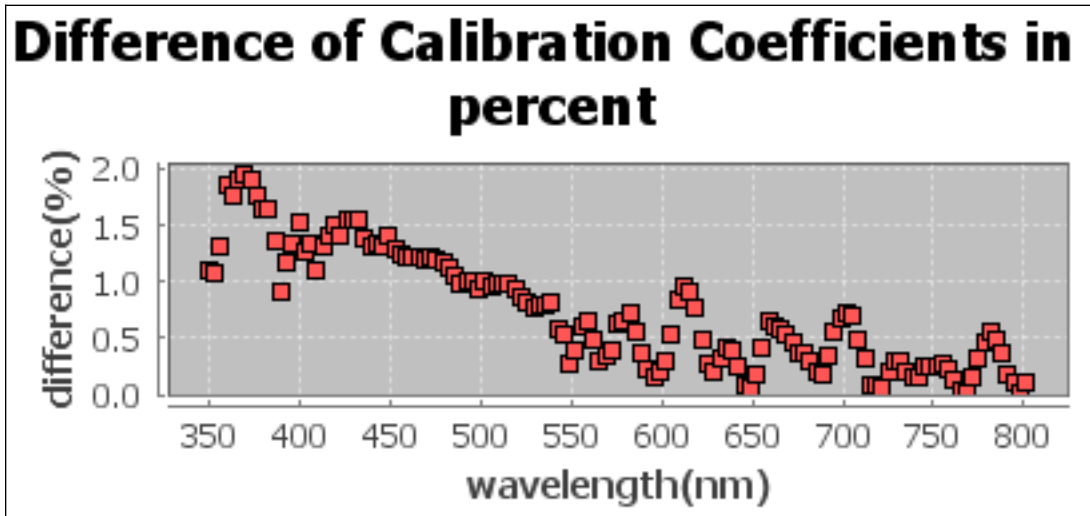
Dark Range Delta

2.9

Light Range Delta

4.1

✓ Average Dark Noise (cIAj187f-0187_2017-08-22_16-02-39_raw.bin)
 ✓ Average Light Noise (cIAj187f-0187_2017-08-22_16-02-39_raw.bin)



Pass Criteria
 Percent difference less than 10%

% Difference

0.75

■ $(HSE187l.cal/HSE187m.cal-1)*100$