

Instrument	SATPED
Serial number	0295
Sensor type	Eu: Upwelling Irradiance

Time	Oct 16, 2023 7:35:29 AM
Software	1.9.23
Operator	mswenson
Project	

Comment:	Final Calibration,
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Calibration Parameters

Number of channels	137
Start wavelength	348.43
End wavelength	802.95
Output channels	2 -> 138
Display channels	2 -> 138
Max counts	65535.0
Distance	50.0
Type override	No
Immersion values	Quartz

Data Collection

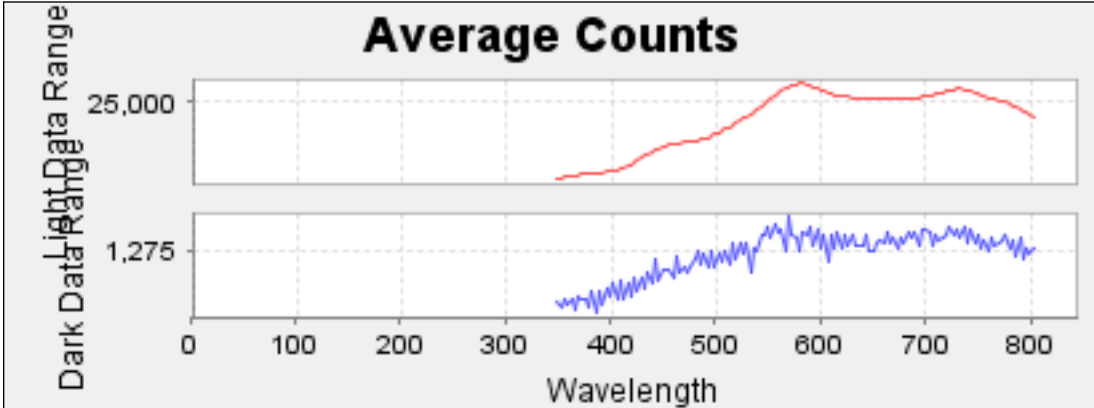
Number dark frames	69
Number light frames	346
Corrupt frames	0
Lost bytes	5810
Capped darks	No

Input Files

TDF template	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalK\HPE0295k.cal
Light data file	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalL\cAj295f-0295_2023-10-16_07-25-57_raw.bin
Dark data file	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalL\cAj295f-0295_2023-10-16_07-25-57_raw.bin
Lamp data file	P:\CALIB\Radiometers\Lamps\F1740\F1740.FIT
Target data file	No Target Used

Output Files

Light cal file	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalL\PED0295I_Eu.cal
Dark cal file	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalL\HPE0295I_Eu.cal
Package file	P:\CALIB\Radiometers\HyperOCR\In-Water_Irradiance_HPE\hpe295\Cal 3\CalL\HPE_0295_12.xml



— Average Light Counts (clAj295f-0295_2023-10-16_07-25-57_raw.bin)

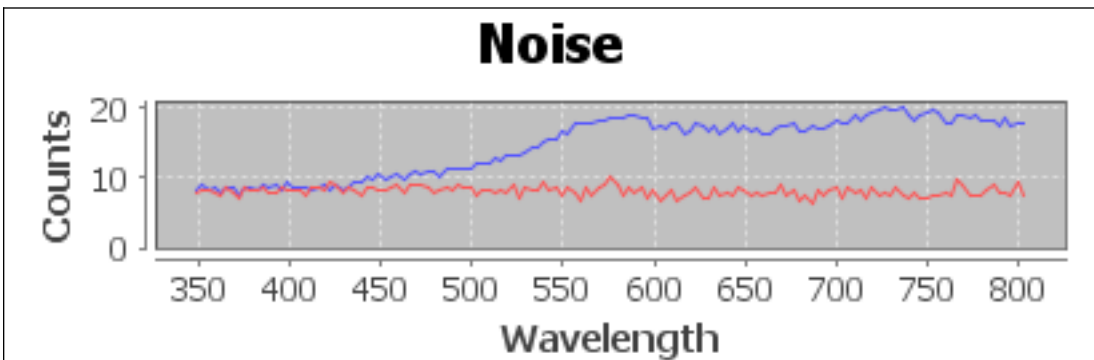
— Average Dark Counts (clAj295f-0295_2023-10-16_07-25-57_raw.bin)

Pass Criteria

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

Dark Range

25



✓ Average Dark Noise (clAj295f-0295_2023-10-16_07-25-57_raw.bin)

✓ Average Light Noise (clAj295f-0295_2023-10-16_07-25-57_raw.bin)

Pass Criteria

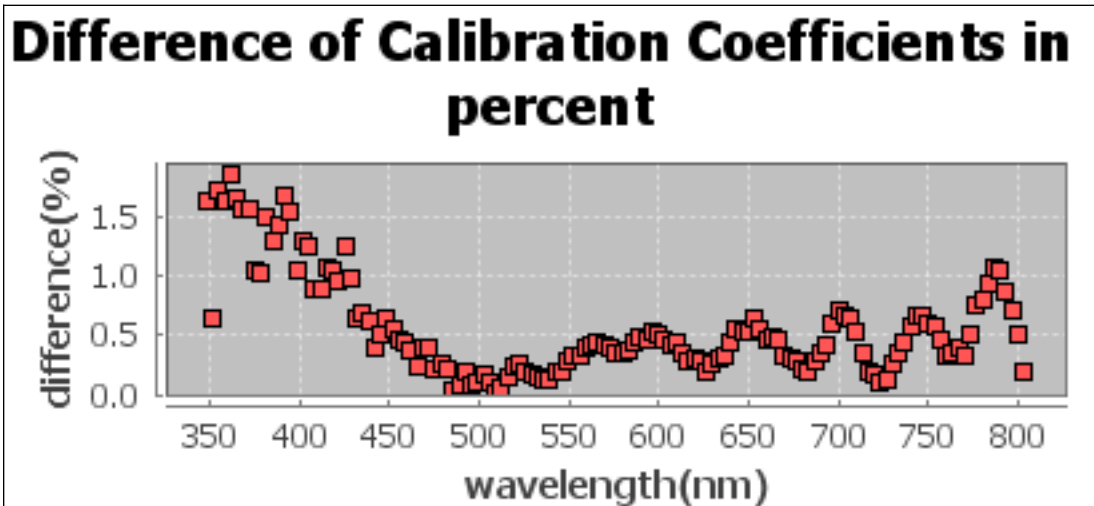
Dark noise delta less than 12, light noise delta less than 35

Dark Range Delta

3.6

Light Range Delta

12.4



■ $(\text{HPE0295k.cal}/\text{HPE0295l.cal}-1)*100$

Pass Criteria

Percent difference less than 10%

% Difference

0.56