

Instrument	SATPLD
Serial number	0254
Sensor type	Lu: Upwelling Radiance

Time	Oct 16, 2023 10:02:41 AM
Software	1.9.23
Operator	mswenson
Project	

Comment:	Final Calibration,
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Calibration Parameters

Number of channels	137
Start wavelength	308.88
End wavelength	905.97
Output channels	2 -> 181
Display channels	2 -> 181
Max counts	65535.0
Distance	130.0
Type override	No
Immersion values	Quartz

Data Collection

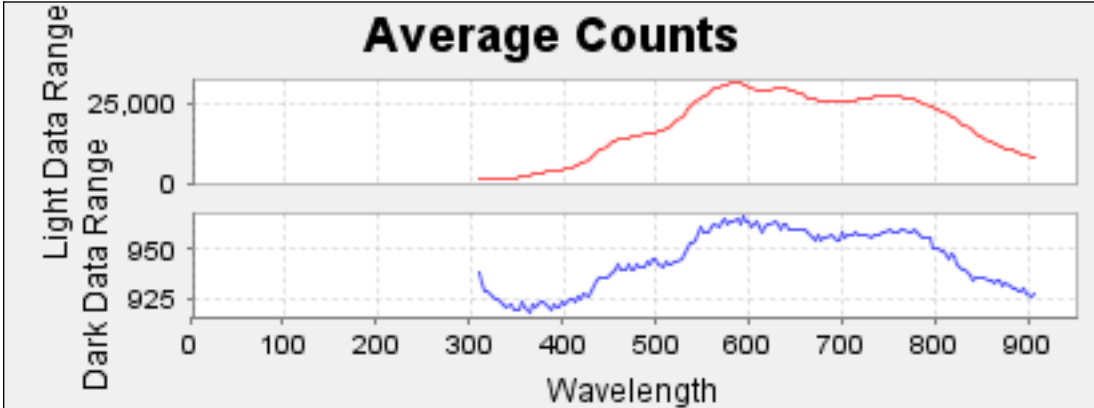
Number dark frames	69
Number light frames	343
Corrupt frames	0
Lost bytes	5768
Capped darks	No

Input Files

TDF template	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 2\CalID4\HPL0254D.cal
Light data file	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 3\CalE\clAp254f-0254_2023-10-16_09-52-09_raw.bin
Dark data file	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 3\CalE\clAp254f-0254_2023-10-16_09-52-09_raw.bin
Lamp data file	P:\CALIB\Radiometers\Lamps\F1740\F1740.FIT
Target data file	P:\CALIB\Radiometers\Targets\T2674\T2674A\T2674A.FIT

Output Files

Light cal file	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 3\CalE\PLD0254E.cal
Dark cal file	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 3\CalE\HPL0254E.cal
Package file	P:\CALIB\Radiometers\HyperOCR\In_Water_Radiance_HPL\hpl254\Cal 3\CalE\HPL_0254_5.xml



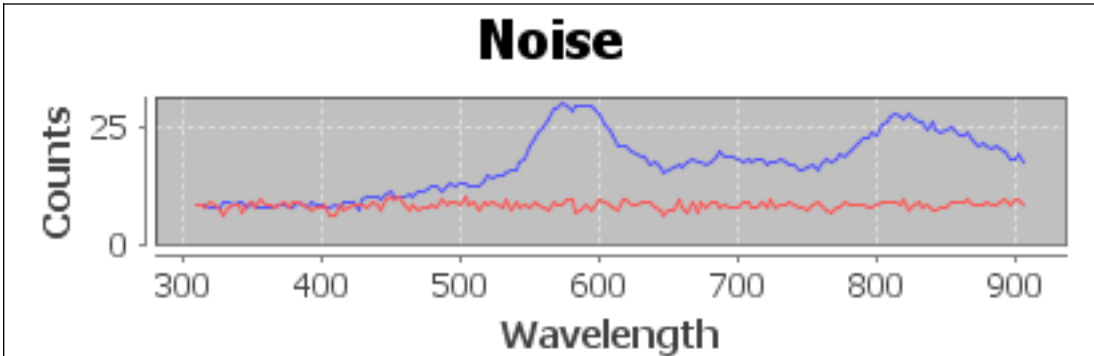
— Average Light Counts (clAp254f-0254_2023-10-16_09-52-09_raw.bin)
— Average Dark Counts (clAp254f-0254_2023-10-16_09-52-09_raw.bin)

Pass Criteria

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

Dark Range

48.2



✓ Average Dark Noise (clAp254f-0254_2023-10-16_09-52-09_raw.bin)
✓ Average Light Noise (clAp254f-0254_2023-10-16_09-52-09_raw.bin)

Pass Criteria

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

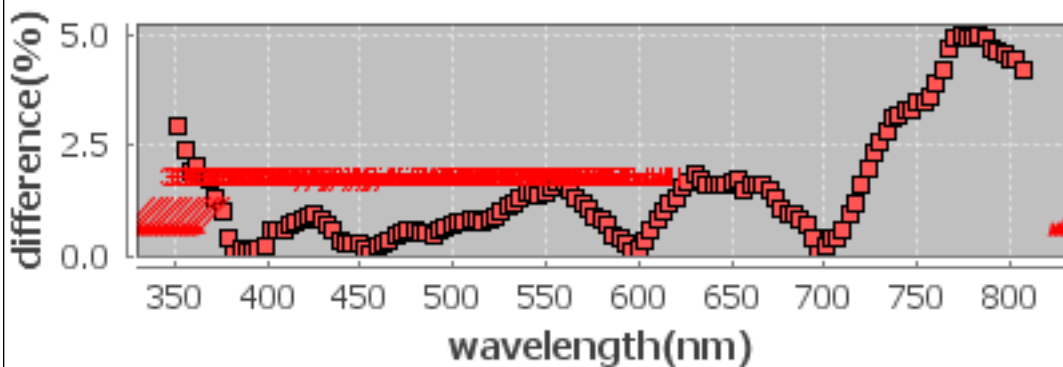
Dark Range Delta

4.2

Light Range Delta

22.7

Difference of Calibration Coefficients in percent



■ $(\text{HPL0254D.cal}/\text{HPL0254E.cal}-1)*100$

Pass Criteria

Percent difference less than 10%

% Difference

1.5