

Cassette: UV3: UV/VIS/NIR (S/N: 049)

Date: February 6, 2020 **Serial No:** 029
Camera Model: Raptor Falcon Blue (16-bit)
Aperture Stop: 16mm; F/7.5 input; F/4 output **Slit Size:** 10 x 30 microns

Calibration: The following calibration results were achieved using a step size of 0.0005nm:

Actual (APL) WL (nm)	Calibrated WL (nm)	Difference (nm)	Difference (%)	FWHM	$\lambda / \Delta\lambda$
253.652	253.651	0.001	0.00039	0.0085	29841
296.728	296.729	-0.001	-0.00034	0.0100	29673
312.567	312.568	-0.001	-0.00032	0.0110	28415
365.015	365.013	0.002	0.00055	0.0125	29201
365.484	365.486	-0.002	-0.00055	0.0125	29239
404.656	404.654	0.002	0.00049	0.0135	29975
435.833	435.834	-0.001	-0.00023	0.0145	30057
546.074	546.075	-0.001	-0.00018	0.0170	32122
576.960	576.964	-0.004	-0.00069	0.0170	33939
579.066	579.067	-0.001	-0.00017	0.0260	22272
750.387	750.383	0.004	0.00053	0.0425	17656
763.511	763.514	-0.003	-0.00039	0.0255	29942
801.479	801.48	-0.001	-0.00012	0.0240	33395
826.452	826.454	-0.002	-0.00024	0.0515	16048
922.450	922.455	-0.005	-0.00054	0.0610	15122
		Mean of Difference (%)	-0.00012	Mean of FWHM	Mean of $\lambda / \Delta\lambda$
		Std. Dev. of Diff. (%)	0.00041	0.0231	27126

Spectrograph Configuration: Under the Setup:Spectrograph Configuration... menu option:

EMU-65 Spectrograph Configuration

☒ UV/VIS/NIR **Cassette:**

☐ VIS/NIR

Calibration Parameters

Pixel Width (microns):

Pixel Height (microns):

Slit Width (microns):

Slit Height (microns):

Apex Angle Offset (deg):

Number of Offset Orders:

Collimator Mirror 120mm ☒

Blaze Fn Correction Parameters

Optical Correction:

Opt. Correction Slope:

Blaze Center Pixel (unbinned):

Blaze Slope:

Optimize Order Location Parameters

Maximum Y range:

CCD Noise Threshold:

Stray Light Removal Parameter

Allow Negative Y Values ☒