

Cassette: IX1: UV/VIS/NIR (S/N: 050)

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: 9 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 (nm)	$\lambda / \Delta\lambda$
253.652	253.652	0	0.00000	0.0080	31707
296.728	296.729	-0.001	-0.00034	0.0050	59346
302.150	302.149	0.001	0.00033	0.0045	67144
313.184	313.185	-0.001	-0.00032	0.0060	52197
365.015	365.016	-0.001	-0.00027	0.0060	60836
365.484	365.484	0	0.00000	0.0065	56228
404.656	404.655	0.001	0.00025	0.0130	31127
435.833	435.833	0	0.00000	0.0075	58111
546.074	546.072	0.002	0.00037	0.0140	39005
696.543	696.544	-0.001	-0.00014	0.0210	33169
738.398	738.395	0.003	0.00041	0.0140	52743
763.511	763.512	-0.001	-0.00013	0.0280	27268
794.818	794.818	0	0.00000	0.0130	61140
826.452	826.455	-0.003	-0.00036	0.0240	34436
852.144	852.139	0.005	0.00059	0.0305	27939
		Mean of Difference (%)	0.000025	Mean of FWHM	Mean of $\lambda / \Delta\lambda$
		Std. Dev. of Diff. (%)	0.00027	0.0134	46160

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

EMU-65 Spectrograph Configuration

☒ UV/VIS/NIR Cassette: ☐ VIS/NIR IX1: UV/VIS/NIR

Calibration Parameters

Pixel Width (microns): 8.000
Pixel Height (microns): 8.000
Slit Width (microns): 9.000
Slit Height (microns): 30.000
Apex Angle Offset (deg): 0.0
Number of Offset Orders: 5
Collimator Mirror 120mm ☒

Blaze Fn Correction Parameters

Optical Correction: 1.400
Opt. Correction Slope: -0.002000
Blaze Center Pixel (unbinned): 495.000
Blaze Slope: 1.000

Optimize Order Location Parameters

Maximum Y range: 8
CCD Noise Threshold: 60

Stray Light Removal Parameter

Allow Negative Y Values ☒

OK Cancel