

DeVený Filters:

Wheel	Position C	Position 1	Position 2	Position 3	Position 4
"Front" pre-slit	Clear	Neutral Density 2.5 mag	Neutral Density 5.0 mag	Neutral Density 7.5 mag	EMPTY
"Rear" post-slit	Clear	Order Sorting GG420	NOT INSTALLED* GG495	Order Sorting OG570	NOT INSTALLED (e.g., WG360?)

*The GG495 filter has been removed from the instrument; replacement plan TBD. (2021Apr29)

DeVený Calibration Arc Lamps:

Ne - Neon (stabilizes within seconds) – [Video illustrating stabilization](#)

Ar - Argon (stabilizes within 1 minute) – [Video illustrating stabilization](#)

Hg - Mercury (stabilizes in 1-3 minutes) – [Video illustrating stabilization](#)

Cd - Cadmium (stabilizes in ~6 minutes) – [Video illustrating stabilization](#)

Example Grating Settings:

Grating	Tilt Angle	Central Wavelength	Range	Filter	Notes
DV1	21.00°	7200 Å	2600 Å 11,600 Å	GG420	O(2) at > 8400 Å
DV2	22.54°	5200 Å	3000 Å 7400 Å	GG420	
DV3	24.05°	6750 Å	4500 Å 9000 Å	GG420	O(2) at > 8400Å
DV3	25.28°	8000 Å	5800 Å 10,200 Å	OG570	
DV4	26.06°	6600 Å	4900 Å 8300 Å	GG420	
DV4	27.89°	8000 Å	5800 Å 10,200 Å	OG570	
DV5	24.62°	4400 Å	3000 Å 5800 Å	Clear	
DV5	27.24°	6000 Å	4600 Å 7400 Å	GG420	
DV5	29.04°	7100 Å	5700 Å 8500 Å	GG495	
DV6	27.04°	4900 Å	3750 Å 6050 Å	Clear	
DV7	31.19°	7000 Å	5850 Å 8150 Å	GG495	
DV8	39.51°	8000 Å	7200 Å 8800 Å	OG570	
DV9	33.20°	4000 Å	3400 Å 4600 Å	Clear	
DV9	37.27°	5000 Å	4400 Å 5600 Å	Clear	
DV9	42.30°	6200 Å	5600 Å 6800 Å	GG495	
DV9	46.65°	7200 Å	6600 Å 7800 Å	OG570	Collimator rails at lower limit
DV10	44.28°	3700 Å	3370 Å 4030 Å	Clear	Collimator rails at lower limit
DV10	48.0°	4170 Å	3840 4500	Clear	Red tilt limit