New Mexico Telescopes

	CCD	QE	Full Well	Dark Current	Pixel Size	Resolution	Sensor	Cooling	Array	FOV	Filters	Position Angle	OTA	Optical Design	Aperature	Focal Length	F/Ratio	Guiding	Mount
Telescope 3	SBIG ST-4000XCM One Shot Color CCD	N/A	~80,000e- ABG	~0.01e- / pixel / sec at -15º	7.4um Square	1.45 arc-secs / pixel	Frontlit	-20ºC Winter (-10ºC Summer)	2048 x 2048 (8.3 Megapixels)	49.6 x 49.6 arc-mins	NA (color CCD)	000º	Takahashi TOA-150	Apochromatic Refractor	150mm	1095mm	f/7.3	Internal	Paramount GTS
Telescope 5	SBIG ST-10XME	85% Peak	~100,000e- NABG	~1e- / pixel / sec at 0º	6.8um Square	1.65 arc-secs / pixel	Frontlit	-15ºC Default	2184 x 1472 (3.2 Megapixels)	40.4 x 60 arc-mins	RGB and Ha, SII, OIII, Clear and Johnsons-Cousins BVI	011º	Takahashi Epsilon 250	Hyperbolic Flat-Field Astrograph	250mm	850nm	f/3.4	External	Paramount PME
Telescope 9	FLI								4096 x 4096				TeleVue NP127fli		127mm	670mm	f/5.3		
Telescope 11	FLI ProLine PL11002M CCD	51% Peak	~60,000e- ABG	~0.03e- / pixel / sec at -35º	9um Square	0.81 arc-secs / pixel	Frontlit	-30ºC Default	4008 x 2672 (10.7 Megapixels)	36.2 x 54.3 arc-mins	AstroDon LRGB, 3nm Ha, SII, OIII, UBVRI	271º	Planewave 20" CDK	Kirkham Astrograph	510mm	Focal Reducer Fitted)	f/4.5	Active Guiding Disabled	Planewave Ascension 200HR
Telescope 14	SBIG STL-11000M	50% Peak	~50,000e- ABG	~0.5e- / pixel / sec at 0º	9um Square	3.5 arc-secs / pixel	Frontlit	-15ºC Default	4008 x 2672 (10.7 Megapixels)	155.8 x 233.7 arc-mins	LRGB, Ha, SII, OIII and V	090º	Takahashi FSQ Fluorite	Apochromat Astrograph	106mm	530mm	f/5.0	External	Paramount GT-1100S
Telescope 20	SBIG STL-11000M	50% Peak	~50,000e- ABG	~0.5e- / pixel / sec at 0º	9um Square	3.5 arc-secs / pixel	Frontlit	-15ºC Default	4008 x 2672 (10.7 Megapixels)	155.8 x 233.7 arc-mins	LRGB, Ha, SII, OIII and V	090º	Takahashi FSQ-ED	Apochromat Astrograph	106mm	530mm	f/5.0	External	Paramount ME
Telescope 21	FLI-PL6303E	68% Peak	~100,000e- NABG	~0.005e- / pixel / sec at -45º	9um Square	0.96 arc-secs / pixel	Frontlit	-35ºC Default	3072 x 2048 (6.3 Megapixels)	32.8 x 49.2 arc-mins	LRGB, Ha, SII, OIII, Johnsons-Cousins UBVRcIc	273º	Planewave 17" CDK	Kirkham Astrograph	431mm	1940mm	f/4.5	Active Guiding Disabled	Planewave Ascension 200HR
California Telescopes																			
	CCD	**QE**	**Full Well**	**Dark Current**	**Pixel Size**	**Resolution**	**Sensor**	**Cooling**	**Array**	**FOV**	**Filters**	**Position Angle**	**OTA**	**Optical Design**	**Aperature**	**Focal Length**	**F/Ratio**	**Guiding**	**Mount**
Telescope 24	FLI-PL09000	68% Peak	~100,000e- ABG	~0.1e- / pixel / sec at -35º	12um Square	0.62 arc-secs / pixel	Frontlit	-35ºC Default	3056 x 3056 (9.3 Megapixels)	31.8 x 31.8 arc-mins	3nmOIII, Johnsons-Cousins V and Ic		Planewave 24" CDK	Kirkham Astrograph	610mm	3962mm	f/6.5	Active Guiding Disabled	Planewave Ascension 200HR
Spain Telescopes																			
	CCD	**QE**	**Full Well**	**Dark Current**	**Pixel Size**	**Resolution**	**Sensor**	**Cooling**	**Array**	**FOV**	**Filters**	**Position Angle**	**OTA**	**Optical Design**	**Aperature**	**Focal Length**	**F/Ratio**	**Guiding**	**Mount**
Telescope 7	SBIG STL-11000M	50% Peak	~50,000e- ABG	~0.5e- / pixel / sec at 0º	9um Square	0.63 arc-secs / pixel	Frontlit	-20ºC Default	4008 x 2672 (10.7 Megapixels)	28.2 x 42.3 arc-mins	Lum, Johnsons-Cousins RVB, Ha, OII, SIII, Johnsons-Cousins I	272º	Planewave 17"CDK	Kirkham Astrograph	431mm	2929mm	f/6.8	External	Paramount PME
Telescope 16	SBIG STL-11000M	50%Peak	~50,000e- ABG	~0.5e- / pixel / sec at 0º	9um Square	1.69 arc-secs / pixel	Frontlit	-20ºC Default	4008 x 2672 (10.7 Megapixels)	75.4 x 113.1 arc-mins	Lum, Johnsons-Cousins RVB, Ha, OII, SIII, Johnsons-Cousins I	089º	Takahashi TOA-150	Apochromatic Refractor	150mm	1095mm	f/7.3	Internal	Paramount PME
Telescope 18	KAF-6303E	68% Peak	~100,000 NABG	~0.3e- / pixel / sec at 0º	9um Square	0.73 arc-secs / pixel	Frontlit	-20ºC Default	3072 x 2048 (3.2 Megapixels)	37.41x 24.94 arc-mins	AstroDon 10nm Ha, SII, OIII, and Johnsons-Cousins V	220º	Planewave 12"CDK	Kirkham Astrograph	318mm	2541mm	f/7.9	External	Paramount PME
Australia Telescopes																			
	CCD	**QE**	**Full Well**	**Dark Current**	**Pixel Size**	**Resolution**	**Sensor**	**Cooling**	**Array**	**FOV**	**Filters**	**Position Angle**	**OTA**	**Optical Design**	**Aperature**	**Focal Length**	**F/Ratio**	**Guiding**	**Mount**
Telescope 8	16803 CCD	60% Peak	~100,000e- NAGB	<0.02 e-/pixel/sec. @ -30º C	9um Square		Frontlit		4096 x 4096 (16.8 Megapixels)		5nmOIII, 5nmNIR, and ExoPlanet Filter		Takahashi FSQ106 EDX	Apochromat Astrograph	106mm	530mm	f/5.0	External	Paramount ME
Telescope 9													TeleVue NP127fli	Petzval Apochromat	127mm	677mm	f/5.3		
Telescope 12	FLI Microline 11002 Grade 1	50% Peak	~60,000e- ABG	~0.004e- / pixel sec at -35º C	9um Square	3.5 arc-secs / pixel	Frontlit	-25ºC Summer (-25º C Winter)	4008 x 2672 (10.7 Megapixels)	155.8 x 233.7 arc-mins	LRGB, Ha, SII, OIII	357º	Takahashi FSQ ED	Apochromatic Astrograph	106mm	530mm	f/5.0	Internal - Off Axis MOAG	Paramount ME
Telescope 13	SBIG ST2000XMC	56% Peak	~45,000e- ABG	~0.1e- / pixel / sec at 0º	7.4um Square	3.76 arc-secs / pixel	Frontlit	-15ºC Summer (-20º C Winter)	1600 x 1200 (2 Megapixels)	75.3 x 100.4 arc-mins	N/A - Single Shot Color CCD	181º	Takahashi SKY90	Apochromatic Astrograph	90mm	417mm	f/4.6	Internal	Paramount ME
Telescope 17	FLI ProLine PL4710	94% Peak	~100,000e- NABG	~0.2e- / pixel / sec at 0º	13um Square	0.92 arc-secs / pixel	Deep Depletion Fused Sillca	-35ºC Default	1024 x 1024 (1.4 Megapixels)	15.5 x 15.35 arc-mins	6nm Ha, OIII, SIII (953.1/10nm) and Helium HEII (1012.2/10nm)	179º	Planewave 17"CDK	Kirdkham Astrograph	431mm	2912mm	f/6.8	External	Paramount ME
Telescope 27	FLI ProLine PL09000	68% Peak	~100,000e- ABG	~0.01e- / pixel / sec at -35º	12um Square	0.53 arc-secs / pixel	Frontlit	-35ºC Default	3056 x 3056 (9 Megapixels)	27.1 x 27.1 arc-mins	AstroDon LRGB, Ha, SII, OIII, V, Rs, Ic		Planewave 27" CDK700	Kirdkham Astrograph	700mm	4638mm	f/6.6	External - Optional	Fork Mount for CDK700
Telescope 30	FLI ProLine PL6303E	68% Peak	~100,000e- NABG	~0.005e- / pixel / sec at -45º	9um Square	0.81 arc-secs / pixel	Frontlit	-35ºC Default	3072 x 2048 (6.3 Megapixels)	27.8 x 41.6 arc-mins	AstroDon Tru-Balance (Gen2 E) LRGB, Ha, SII, OIII, UBVRI	086º	Planewave 20" CDK	Kirdkham Astrograph	510mm	2280mm	f/4.5	Active Guiding Disabled	Planewave Ascension 200HR
Telescope 31	FLI ProLine PL09000	68% Peak	~100,000e- ABG	~0.1e- / pixel / sec at 35º	12um Square	1.1 arc-secs / pixel	Frontlit	-35ºC Default	3056 x 3056 (9.3 Megapixels)	55.9 x 55.9 arc-mins	AstroDon E-Series LRGB, Ha, SII, OIII, UBVRI	088º	Planewave 20" CDK	Kirdkham Astrograph	510mm	2259mm	f/4.4	Active Guiding Disabled	Planewave Ascension 200HR
Telescope 32	FLI ProLine PL16803	60% Peak	~100,000e- ABG	<0.07 e-/pixel/sec. @ -35º C	9um Square	0.63 arcsec/pixel	Frontlit	-35ºC Default	4096 x 4096 (16.8 Megapixels)	43.2 x 43.2 arc-mins	Blue, Luminance, Ha, SII, OIII, Johnsons-Cousins V, I	090º	Planewave 17" CDK	Kirdkham Astrograph	431mm	2912mm	f/6.8	Active Guiding Disabled	Planewave Ascension 200HR
Telescope 33																			