

NICKEL 40" TELESCOPE - DIRECT IMAGING

Observer(s): Pat Maloney

Grad work show

Instrument: CCD TF Bin 2x slow read

Filters: Pos 1: _____

Pos 2: _____

Clouds/Clarity: _____

Pos 3: _____

Pos 4: _____

DATE: 10/13/18

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TAPE: _____

OBS#	OBJECT	RA	DEC	FILTER	EXP	H.A.	PST/UT	AIR MASS	COMMENTS
100	Bias				0		5:04		
109	Dome Flat			B	36		5:27		32K @ 100x
114	Dome Flat			V	12		5:42		38K @ 70x
115	Dome Flat			R	7		5:51		42K @ 65x
120	Dome Flat			R	6		5:56		36K @ 65x
123	Dome Flat			I	45		6:03		34K @ 65x
127	Dome Flat			B	3				
133	Twilight Flat			B	3				
134	"			B	3				
135	"			B	3				
136	"			B	5				
137	"			V	5				
138	"			V	7				
139	"			V	8				
140	"			V	10				
141	"			R	10				
142	"			R	13				
143	"			R	17				
144	"			R	23				
145	"			I	23				

NICKEL 40" TELESCOPE - DIRECT IMAGING

Observer(s): Good Work Shop

Instrument: _____

Clouds/Clarity: _____

Filters: Pos 1: _____ Pos 2: _____

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DATE: 10/13/18

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OBS#	OBJECT	RA	DEC	FILTER	EXP	H.A.	PST/UT	AIR MASS	COMMENTS
146	"			I	29.				
147	"			I	36.				
148	"			I	42.				
149	"			I	50.				
150	Pk. 064 + 5.1	19:34:46	30:50:58	I	300	00:50	19:01	1.02	oversaturated
151	"	"	"	I	120	00:56	19:07	1.03	oversaturated
152	"	"	"	I	40	00:59	19:10	1.03	
153	"	"	"	R	40	1:00	19:11	1.03	oversaturated
154	"	"	"	R	10	1:02	19:13	1.03	
155	"	"	"	V	10	1:03	19:14	1.03	
156	"	"	"	B	10	1:04	19:15	1.03	
157	"	"	"	I	10	1:05	19:16	1.04	
158	Saturn	18:15:58	-22:46:16	I	0:10	2:38		2.90	
159	"	"	"	R	0:10	2:34		2.91	
160	"	"	"	V	0:10	2:34		2.92	
161	"	"	"	B	0:10	2:34		2.93	
162	"	"	"	B	"	"		"	
163	M24	18:16:54.0	-18:30:00	B	3.0	2:34	19:32	2.55	
164	M11	18:51:05	-06:16:12	B	8.0	2:42	19:40	1.68	

NICKEL 40" TELESCOPE - DIRECT IMAGING

Observer(s): Grad work shop

Instrument: _____

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OBS#	OBJECT	RA	DEC	FILTER	EXP	H.A.	PST/UT	AIR MASS	COMMENTS
165	M11	18:51:13.4	-06:16:12	V	8.0	14:13.3	14:42	1.68	
166	"	"	"	R	"	2:14	14:42	"	
167	"	"	"	I	"	2:15	14:43	1.69	
168	M17	18:20:45.0	-16:10:23	B	30.0	2:50:06	14:48	2.51	Forgot to start guiding
169	"	"	"	V	"	2:52	14:50	2.55	
170	"	"	"	R	30.0	2:54	14:52	2.59	
171	"	"	"	I	"	2:56	14:54	2.61	
172	"	"	"	B	120.0	2:57	14:55	2.62	
173	"	"	"	V	"	3:00	14:57	2.67	
174	"	"	"	R	120.0	3:02	15:00	2.72	
175	"	"	"	I	120.0	3:05	20:03	2.76	
176	S K, D Pin		cut of	2 magn			Numbers Problem	change to 177	
177	M31			VR	60		20:15		
178	M31			B	60				
179	M31			R	60				
180	M31			I	60				
181	Focus			V	42				
182	Neptune	23:03:11	-07:09:10	B	5			1.44	
183	"	"	"	V	5			"	

NICKEL 40" TELESCOPE - DIRECT IMAGING

Observer(s): Grad Workshop

Instrument: _____

Clouds/Clarity: _____

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Pos 3: _____ Pos 4: _____

DATE: 10/13/18

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OBS#	OBJECT	RA	DEC	FILTER	EXP	H.A.	PST/UT	AIR MASS	COMMENTS
184	Neptune	23:05:11	-07:09:10	R	5	-00:51:20		1.49	
185	"	"	"	I	5	-00:50:50		"	
186	"	"	"	V	4			"	
187	NGC-6543	17:58:28	66:38:00	B	30			1.48	
188	"	"	"	V	30			1.49	
189	"	"	"	R	"			"	
190	"	"	"	I	"			"	
191	M2	21:33:28	-00:49:24	B	60			1.33	
192	"	"	"	V	120			1.34	
193	"	"	"	R	"			"	
194	"	"	"	I	"			1.35	
195	"	"	"	B	"			1.36	
196	NGC 7009	21:04:58	-11:21:48	B	45			1.78	
197	"	"	"	V	45			1.78	
198	"	"	"	R	45			1.79	
199	"	"	"	I	45			1.80	
200	"	"	"	I	180				
201	"	"	"	R	180				
202	"	"	"	V	180				

NICKEL 40" TELESCOPE - DIRECT IMAGING

Observer(s): Grad Stucke

Instrument: _____

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OBS#	OBJECT	RA	DEC	FILTER	EXP	H.A.	PST/UT	AIR MASS	COMMENTS
203	N6C7009			B	180	229	2150	1.84	
204	Focus	00:30:46.8	28:06:42	V	49	-0:52	22:15	1.03	
205	HIP-207	00:02:28.6	66:06:41	B	0.5	-0:03	22:34	1.14	
206				V	0.5	00:02	22:35		
207				R	0.5	00:01	22:36		
208				I		00:01	22:37		
209	M77	02:42:40.8	-00:00:48	B	120	-02:27.42	22:50	1.57	
210				V		-02:24.58	22:53	1.56	
211				R		-02:21.09	22:56	1.54	
212				I		-02:19.11	22:58	1.53	
213	M32	00:42:41.0	40:52:17	B	120	-00:10.57	23:07	1.00	Starting to realize POOREports two different H.A. 2 V
214				V		-00:08.02	23:10	1.00	Also not using the full telescope 22.1. loss head.
215				R		-00:05	23:13	1.00	
216				I		-00:02	23:15	1.00	
217	M1	05:34:32.6	22:02:12	V	300	-24:39	23:30	2.08	
218				B	300		23:37	2.0	
219	V1			R	300		23:42		
220	V			I	300		23:49		
221	Barnard 33			V	300		20:29		

Horse Head