

OBSERVING MARCH 1

~~Midas~~Predicted separation .92 to .91" = 4.1 μ

focus: ctr on last night's optimum - 4930 1st focus

Windshake visible by motion of guide star in TV acquisition monitor.

Winds E

[filters not dusted]

		UT	focus	FWHM	BYEYE
1	0007672	1 13 37 40	4936	3.80	
		2 13 38 20	4945	3.69	4950 back
		3 13 38 35	4960	3.68	
		4 13 39 10	4975	4.16	
		5 13 39 40	4990	4.20	
		6 13 40 10	5005	4.63	
		7 13 40 40	5020	4.79	

2	0007673	1 13 46 20	4975	3.73	4.48
		2 13 46 50	4960	4.84	3.76
		3 13 47 20	4945	4.11	3.61
		4 13 47 50	4960	3.89	3.89
		5 13 48 30	4915	3.61	4.11
		6 13 49 05	4900	3.76	4.84
		7 13 49 35	4885	4.88	3.73

4945

0007674	1	13:58:20	15:35 ^α	00.21	-03 50 32.3
	2	13:59:30	15:35	00.20	-03 50 42.2
	3	14:00:40	15:35	00.18	-03 51 52.2
	4	14:01:50	15:35	00.17	-03 51 02.2

AIRMASS

P quad

1.165

0007675	1	14:06:20	15:35	00.12	-03 50 32.2
	2	14:07:30		00.11	42.1
	3	14:08:40		00.09	52.1
	4	14:09:50		00.08	02.1

DOME IS ON $\uparrow$

1.152

P quad.

move to Midas

0007676	1	15:33	35.11	04	09	58.0
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2
3
4

20 sec exp

need to move ~ 80" east

Midas

quad,
pointing
check

another test exposure: move another 20" east.

1950 (from TV).

			time	α	δ		20 sec.
5	C007676	1	14:20:15	15 33	41.0	04 09 58.0	1.073 Airmass
		2	14:21:15	"	41.10	58.2	
		3	14:22:15		41.12	57.8	MIDAS
		4	14:23:15		41.13	58.7	QUAD.
6	C007677	1	14:27:00	15 33	41.16	04 09 58.5	1.066 Airmass
		2	14:28:00	15 33	41.10	04 09 57.9	MIDAS
		3	14:29:00		41.10	57.9	QUAD
		4	14:30:00		41.10	57.9	20 s. exp.
7	C007678	1	14:33:50	15 33	41.04	04 09 58.8	1.059 Airmass
Midas		2	14:34:50	"	41.04	" 58.6	20 sec exp.
quad		3	14:35:50	"	41.02	" 58.7	
		4	14:36:50	"	41.05	" 57.9	
8	C007679	1	14:41:00	15 33	41.04	04 09 58.1	1.053 Airmass
Midas		2	14:42:00	"	41.01	" 57.9	20 sec.
quad		3	14:43:00	15 33	41.00	58.8	
		4	14:44:00		40.97	57.9	
had to reset, file 7679 is <u>not</u> complete, continuing Midas quads but no access from halley to trex. Error on trex while writing out 7679							
9	C007680	1	14:48:30	15 33	40.95	04 09 58.8	20 sec exp.
Midas		2	14:49:35		40.92	58.0	
quad		3	14:50:30		40.95	58.5	1.045
		4	14:51:30		40.91	57.9	1.046 Airmass
10	C007681	1	14:54:50	15 33	40.89	04 09 58.9	1.045
Midas		2	14:55:50		40.89	57.8	20 s. exp.
quad		3	14:56:50		40.86	58.6	
		4	14:57:50		40.83	58.5	

11	C007682	1	15:01:40	15 33 40.78	04 09 57.7	1.042 AIRMASS
		2	15:02:40	15 33 40.81	04 09 57.7	
Midas		3	15:03:40	" 40.77	" 57.7	
quad		4	15:04:40	40.78	57.7	
20 sec exp x4						

df 6 ~~2 26 Mb~~ 62 Mb

DOME IS OFF

12	C007683	1	15:11:05	15:35:00.58 -3 50 29.9	1.094	PLUTO QUAD
		2	15:12:15	00.57	39.9	
		3	15:13:25	00.56	49.9	1.094 60 sec exposure
		4	15:14:35	00.55	59.8	DOME IS MOVED TO FFFF REDUCE WIND.

Image is more stable now.

13	C007684	1	15:18:35	15:35:00.50 -3 50 29.8	1.094	PLUTO QUAD.
		2	15:19:45	00.49	39.7	60 sec exp.
		3	15:20:55	00.47	49.7	
		4	15:22:05	00.46	59.7	

14	C007685	1	15:26:00	15 35 00.42 -3 50 29.7	1.094	P. quad
		2	15:27:10	00.40	39.6	60 sec exp.
		3	15:28:20	00.39	49.6	
		4	15:29:30	00.38	59.5	

filter change

~~DOME~~

15	C007686	1	15:33:41	15 35 00.33 -3 50 29.5	1.094	P. quad
		2	15:34:45	00.32	39.5	20 sec sec exp
V filter		3	15:35:15	00.31	49.4	
		4	15:35:45	00.31	59.4	

FILTER CHANGE TO R.

P. quad

16	C007687	1	15:39:00	15 35 00.27 -3 50 39.4		
		2	15:39:20			
10 sec exp		3	39:35	00.26	49.4	1.097
		4	40:05	00.26	59.4	

FILTER CHANGE TO I.

I filter

17	CD 7688	1	15:43:35	15 35 .00.22	-3 50 39.3(?)	← is most likely 293
		2	43:55	15 35 00.22	-3 50 49.1	
		3	44:15	00.21	49.1	
		4	44:35	00.21	59.3	1.100 AIRMASS

P quad
10 sec exp.

18	CD 7689	1	15:47:40	15:35:00.17	-3:50:29.2	1.101
		2	15:48:00	00.17	39.2	
		3	15:48:20	00.17	49.2	P quad
		4	15:48:40	00.16	59.2	

P quad
10 sec

19	CD 7690	1	15:52:30	15 35 00.12	-3 50 29.2	1.103
		2	15:52:50	00.11	39.2	
		3	15:53:10	00.11	49.1	
		4	15:53:30	00.11	59.1	

P quad
I
10 sec.

20	CD 7691	1	15:57:05	15 35 00.07	-3 50 29.1	1.103
		2	15:57:25	00.07	39.0	
		3	15:57:45	00.06	49.0	
		4	15:58:05	00.06	59.0	

P quad
10 sec.

21	CD 7692	1	16:02:05	15 35 00.01	-3 50 29.0	
		2	16:02:25	00.01	39.0	
		3	16:02:45	00.01	49.9	
		4	16:03:05	00.00	59.9	1.103 AIRMASS

P quad
10 sec

22	CD 7693	1	sky flat I filter			
		2	16:06:50			
		3	35 sec exposure			
		4				

23	CD 7694	sky flat I	→ 20 sec exp			
		16:11:15				