


Observers:		UT date:		Object:			Weather:
Cam Settings:		8/16		Bet Tri			Seeing: ~8-10
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
2:45		F.E.	10	8	10	10	
3:09			-2.06	2	-2.07		
00:19							
3:14			2.17	-2.090			
00:24							
3:20			-2.19-				
3:23	#10-100	data.	-2.21	1.2	-2.39		Lost fringes; fringes not locked
00:33			2.17				
3:30	101- 100 ¹⁰⁹	DATA	-2.350	1.114	-2.07		
00:40							
	110-	shutter					No DAR
		FE	16				
		Retreated					
4:09	170-229	shutter					
		FE					
4:22	230-279	DATA	-2.99	0.764	-1.92		280-289 BAD data.
-00:59							

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/16/08		Lam Ancl.			Seeing: 1.0 ~ 3-7	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		Focus	S1 z = 9377 → 50 9397 → 40 9277 → 100 100	E1	W1	W2	Big coma	
							B2: 8570 → 40 75	
							B2: 8610 → 50 8630	
							B2: 8630 ^{very} BAD BAD → 50-100	
							B3: 8003 → 80. (more os less 20, T)	
							B4 8720 → 70 (Craggy)	
2:08		Search.	-1.3 ↑	+3.3 ↓	-1.3 ↑			
2:41		Fringe.			-2.2			
2:30								
05:20								

Observers: JDM, EP, RP, Cam Settings: MZ		UT date: 8/17		Object: γ Lyr			Weather:
							Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
8:47			SI 80	E1 ^{SO} -150	W1 40	W2	W2 = 8720. \rightarrow 30

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/17		S Lac			Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
11:30		TT ^{8ms}	S1 2200	E1 11K	W1 2600	W2 2300	delay cable wrapped.
12:30			250	^{Focus 2600} B1 350 <u>8590</u>	250	150	E1 Focus. <u>8590</u> .
HA -00:47 12:47		SEARCHING	-3.3A	1.04A	-2.3A		
					-2.065		
					-2.077		
					-2.04		
HA -00:30							No Luck.. <u>TOO FAINT?</u> Too Big.

Observers: Cam Settings:		UT date: 8/17		Object: Tet Cyg 8+50.			Weather: Seeing: 10-15 ^{→ 720} , good.
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
10:00		F.E	50	100	100	30.	
10:00 - 00:30		SI tracking	-1.8V	0.8V	-1.8V		
-00:30			-2.678		-2.407		
-00:25	0-49	DATA	-2.716	1.653	-2.399		
10:26 -00:19	50-109	Shutter	-2.777	1.616	-2.447		
		FE.					
11:09 00:23	110-155	Data	-3.239	1.040	-2.577		
11:14	156	shutter	-2.355	0.456	-2.545		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/17		λ And + 46 +46			Seeing: 60cel r0 = 9ca	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SI	E1	w1	w2		
			780	500	500	800		
		SEARCH	-2.54	-1.17	-2.57			
			(-2.562)	(1.7?)	-2.16			
1:58 HA -00:47	216-						3T Fringe	
HA -00:43	255-304		-2.62	1.449	-2.15		4T Fringe!	
2:06 -00:39	305 SHUTTER		-2.66	1.383	-2.15		lost E's structure.	
	305-364	SHUTTER						
2:19			750	500	500	300		
			-2.911		-2.21	-		
	365-472	3T DATA	-3.006	1.14	-2.25		Save 4T, not much.	
				.945				
2:45 HA 00:00	- 472		-3.13	0.99	-2.23		Some 4T	
HA. 04	473-	SHUTTERS.	-3.18	0.96	-2.25			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/17		37 And			Seeing: $r_0 = 8-14$ cm	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	w_1	w_2		
			67	83	70	80		Fiber explain
3:17 -00:46	533-582	Data	-2.897	0.944	-1.931 0.944			
03:22 -00:42	583-642	Shutters						
03:32		flux	80			77		Fiber explain
03:37 -00:25	643-692	Data	-3.233	0.797	-1.961	0.0		
03:43	693-752	Shutters						
03:56	753-	flux	70	60	90	60		
	753-							

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/17		EPS per			Seeing: $r_s = 7-13 \rightarrow 18$	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
4:15		FE	S1 100	E1 100	W1 80	W2 60		
-2:41	753-822	Data	-1.433	1.692	-2.189			
4:30	823-882	Shutter.	-1.519	1.629	-2.159			
		FE.						
+4:45 -2:21	883-952	Data	-1.711	1.581	-2.096			
+4:52 -2:13	953-1012	Shutter	-1.798	1.462	-2.065			
		FE						
5:08 -1:58	1013-1122	Data	-2.0	1.346	-2.007			
5:20 -1:47		Tweak	-2.155	1.244	-1.968		Some from files are BAD	
5:26 -1:40	1123-1140	Data	-2.25	1.21	-1.961		not fringes	
5:43 -1:23	1150-1308	Data	-2.472	1.091	-1.927			
	1309-1368	Shutter					Shutter is BAD	
5:56 -1:10	1369-1418	Data.					Bright outside.	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2008 Aug 18		8 Lyr δ = +32			Seeing: 5-8 cm. - 2 not great	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
8:26p			S1 30-50	E1 20	W1 30	W2 20	crapp!	
9:00p.		NORC TT 2MS.	30-50	40	45	150	Rechecking after TT was SATURDAY.	
9:0 HA-00:53		Sens cam	-1 b	2.0 b	-1.25 b			
HA-00:47	0-49		-3.38	.87	-2.1		4T. not the Best	
HA-00:34	50-109	SHUTTER	-3.49	.82	-2.2			

Observers: JDM, AZ Cam Settings: EP, RPS		UT date: 2008 Aug. 18		Object: RTCy9 8 + 48			Weather: Seeing: 5-8cy getting worse
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
14 HA - 01:10		FEX.	51 55	E1 .50	W1 100	W2.	
HA - 0:40			-2.68	+1.6	-2.388		
	110-209						3T DATA.
HA 01:17		.	-2.81	1.55	-2.41		Some 4T - <u>crappy</u> .
	210-269	SHUTTER.					
		FEX	100	50-170	80	30	
11 p. HA 00:00		FLUX 7,	-3.22		-2.49		
	270-319						3T DATA - <u>crappy!</u>
HA 00:27	320-358	.	-3.39		2.51		3T
			-3.34		2.5'		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/18		7 And 849°			Seeing: ~ 5 cm.
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			S1	E1	W1	W2	
		F-E	70	50	50	30	
11:46			-1.373		-2.415		
11:55 -2:20	419-468	DATA	-1.427	2.307	-2.397		
12:02 -2:16	469-528	Shutter	-1.454	2.307	-2.307		
		F-E					
12:22 -1:56	529-588	DATA	-1.631	2.084	-2.328	∴	LAST 10 BAD
12:26	650 589	Shutter					

Observers:		UT date:		Object:			Weather: Clear	
Cam Settings:		8/18		λ And			Seeing: 10 = 18-15 arc	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		FE	1000	800	800	700		
00:56 -1:45			-1.890	1.824	-2.210			
01:02 -1:39	0649.9.ft 758.9.ft		-1.890	1.851	-2.210			
1:07 -1:35	759.9.ft 817.9.ft		-2.051	1.822	-2.199		Shutter	
1:15		FE	1200	600	800	700		
-1:25 1:23	818.9.ft 807.9.ft		-2.271	1.737	-2.198	-2.271		
1:29 -1:12	807.9.ft 917.9.ft	Data	-2.271	1.734	-2.212			
1:33 -1:08	918.9.ft 940.9.ft	Data	-2.271	1.734	-2.212			
	941.9.ft 1000.9.ft	Cal	-2.271					
		FE	800	600	800	600		
	1001.9.ft 1000.9.ft	Data	-2.588	1.495	-2.207		E1 drifts	

Observers: Cam Settings:		UT date: 8/18		Object: γ And			Weather: Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
2:01 -00:40	1051.FA 1100.FA	Data	01 -2.604	E1 1.463	W1 -2.201	W2	
2:03 -00:32	1111.FA 1160.FA	Shutter	-2.714	1.390	-2.224		SI E1 Fringes present in foreground
2:15 -00:27	1161.FA	Foreground	-3.777	7.400	7.779		Retching foreground
		FE	1000	450	750	700	
2:55 00:13		-3.77			-2.350		SI E1 cross -2.909, 1.118

Observers:		UT date:		Object:			Weather:	
Cam Settings:				37 And 837			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
3:16 -00:44		EE	S1 100	E1 70	W1 150	W2 100		
3:21 -00:36	1181.94 1230.94	Det	-3.019	0.968	-2.012			
	1231.94	Cel	-3.091	0.946	-1.996		Only foreground with fringes	
3:34 -00:26	1241.94 1290.94	Dets	20 -3.091	0.946	-1.996			
3:38 -00:22	1291.94 1350.94	Gal						

Observers:		UT date: 10/08/06		Object: ζ Zeta Per 831			Weather:
Cam Settings:							Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1 S _i	B2 E _i	B3 U _i	B4 U _r	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		Flux	350	100	200	70	
4:20 HA-0278	1352-1406	data	-1.91	1.077	-2.19	0.0	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> Core 1451-1460 BAD </div>
4:26	1401-1460	shutters					
04:51 -02:05	1461-1470	Flux	250	100	200	100	
04:51 -01:05	1471-1520	data	-2.36h	0.766	-1.990	0	
04:57 -02:00	1521-1580	shutters	-2.430	0.709	-1.972	0	
05:12		Flux	400	235	400	400	

Observers:		UT date:		Object: ALGOL 113 Der			Weather:	
Cam Settings:		8 Aug 18, 2008		S 41°			Seeing: Decent.	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
S:30A HA -00:40	1581-1680	Decat	S1 -2.91	E1 1.04	W1 -1.99	W2 #	complicated.	
HA -00:32	1681-	SATUR	-2.97	1.01	-1.98			
S:48 -00:23		FLUX	400	235	400	400	Sun...	
	1741-1920		-3.19	0.89	-1.99			
-00:14			-3.28	0.83	-2.03			
	1821-	SATUR					Nice 4T DATA.	

(Optimizing)

Observers:		UT date:		Object:		Weather:	
Cam Settings:		UT 8/19/08		205T 65 Cyg TEST		Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
10		Fey	9417 Focus 220	E1 100-250	W1 180	W2 275	2.8 2.85.
							LA 250 Focused S1, W2
							S1 9277 (9377)
		S1					S1 9377-220 9377 9417 317
							9457: lower flux 9477: ok. 250
							9537 9577 circuit 2180
							9617
							W2 four (LAB) 8720 FLUX 220 8760 190 8800 8840 still copy

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/19		S Lae			Seeing: 2.0 1.8
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			S1	E1	W1	W2	
			300	150	300	250	
12:07					-2.012		<div style="border: 1px solid black; padding: 10px; transform: rotate(-15deg); display: inline-block;"> HEADERS WRONG Labeled as Targeted </div>
-1:23							
12:18							
12:18	00-49	DATA	-2.547		-2.021		
12:24							
-00:05	50-110	Shutter	-2.601		-2.019		
		FE	300.	300	400		
12:53							
-00:37	113-194	Data	-2.912				
1:07	195-	Data Shutter	-3.101		-2.027		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/19		7 And			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
		FE	50	50	50/100	200		
1:44 -00:24	305-364	Data.	-2.682	1.596	-2.250			
2:00 -00:13	365-	shutter	-2.805	1.499	-2.299			

Observers:		UT date:		Object:				Weather:	
Cam Settings:		8/19		Lam And				Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)		
			S1	E1	W1	W2			
		F.E.							
2:10		Fringe		1.499					
2:29		F.E.	750	500	900	1100			
-0:04									
2:29 ^{2:43}			-3.119	1.193	1.193				
2:49	426.fib	Data							
00:11	473.fib	Data	-3.216	1.006	-2.280				
2:50			-3.276	1.023	-2.263				
2:53	464.fib		-3.276	0.988	-2.243		lost E1 at 464.fib → non out of delay		
2:54	474.fib	Shutter							

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/19		α Tri			Seeing: 8 cm	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
			400	300	280	400		
3:34 -1:19	534-653	Data	-3.191	0.349	-1.808			
3:46 -1:07	654-	Shutter	-3.244	0.341	-1.820			
		FE						
4:17 -00:37	0714-783	Data	-3.662	\	-1.813		Lost fringes, 3T	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/19		zet per			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SI	EI	WI	WZ		
			300	250	200	200		
4:45	844-913	DATA	-2.278	0.935	-1.957			
-2:09								
4:52	914 - 1035	shutter	-2.39	0.853	-1.938			
		FE						
5:05	-1035	DATA	-2.632	0.729	-1.864			
	-1070	shutter						

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/19		B2 Algol			Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
05:22	1071-	flux	51 250	E1 350	W1 350	W2 800	
05:30 00:29	1071-1120	data	-3.031	Q.077	-1.925	0	3 telescopes data and 4 later
05:45 00:22	1161-1185	shutter	-3.123	1.044	-1.924	0	
	1181-	data flux				0	
		data	150	240	500	600	

Observers: SR CF MZ EJ RP JDM Cam Settings: GS		UT date: 2008 Aug 20		Object: 7 And S +49			Weather: CLEAR	
Local Time (HA)		File#	Info Type (offset, FG, BG Data, flux,, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
12:34. -01:40			Fex	S1 60	E1 50	W1 80	W2 80	S1 Focused BY CARLOW USING TAZ.
-01:34		0-49	Deus	-1.95	2.11	-2.20	0	
		50-109	SHUTTERS ^(DL)	-1.99	2.06	-2.2		
-01:08		110-159		-	1.93	-2.19		
 -01:00				-2.28	1.88	-2.22		NICE DATA.

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/20		λ and			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
01:23	220-230	flux	S1 1000	E1 700	W1 600	W2 1000		
1:27	↙ bad data	FF						
1:40	232.5 fits							
-00:53	232.5 fits		-2.422	1.704	-2.121			
1:47	232.5 fits	Shutter						
-00:46			-2.573	1.642	lost		I think W1 going up	
1:54		FE						
-00:37			1200	800	800	1200		
2:11	359. fits							
-00:22	408. fits	Date						
2:17	409. fits		-2.830	1.590	-2.175			
-00:16	427. fits							
	439. fits	Shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/18 8/20		37 And			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
02:30	0488-	Flux	51 200	E1 80	W1 100	W2 200		
02:44 -01:08	0489-0548	data	-2.627	1.251	-1.917	-0.015		
02:50 -01:02	0549-0608	shutters	-2.707	1.219	-1.915	-0.015		
03:01	—	Flux	100	100	150	200		
03:03 -00:49	0609-0668	data	-2.873	1.147 1.147	-1.915	-0.015		last one cart
03:10 -00:42	0669-0728	shutters	-2.951	1.121	-1.912	0		

Observers: MZ, JDM, EP, RP		UT date: 8/20 8/20		Object: Algol		Weather: OK	
Cam Settings:						Seeing: 0.8	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
03:29		Flux	S1 800	E1 350	W1 280	V1 7800	
03:54 -2:11	729-788	DATA	-1.826	1.713	-2.022		
04:00 -2:05	789-848	Shutter	-1.86	1.688	-2.012		
	849-868	DATA	-1.978	1.625	-1.974		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8		Eps per			Seeing: 8-14
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
4:13		FE	S1	E1	W1	W2	
			250	100	120	150	
4:32 -2:22	869-938	Data	-1.718	1.712	-2.054		
4:39 -2:16	939-998	Shutter	-1.771	1.663	-2.017		
		FE					
4:58 -1:56	999-1178	Data	-2.016	1.556	-1.962		
	1179-1238	shutter					
		FE					
5:43 -1:11	1238-1338	Data	-2.555	1.241	-1.879		
	1339-1398	shutter					
6:01 -0:53	1399-1448	Data	-2.740	1.127	-1.877		Bright outside!!

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/21		γ Lyr			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
9:00			S1 100	E1 40	W1 30	W2 100		
	0-65	Data	-3.420	0.976	-2.041			
		Shutter						
							NO Shutter	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/21		RT Cyg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
10:10			S1 200	E1 200	W1 200	W2 100.		
10:40 00:10	0066-167	Data	-3.273	1.143	-2.502			
10:58 00:20	168-227	Shutter	-3.324	1.088	-2.536			

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/24		7 And			Seeing: ~9 cm
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			SI	E1	W1	W2	
			177	70	100	60	
11:40 -2:26	228-287	DATA	-1.488	2.365	-2.473		
11:59 -2:14	288-347	shutter	-1.612	2.312	-2.466		
		FE.	200			150	
12:09 -7:57	348-407	DATA	-1.729	2.270	-2.274		
12:14	408-467	shutter					

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/21		Lam And			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1 1400 2100	E1 700	W1 1000	W2 1300	48x6 microns [1,2,3,4]	
00:50	Start	468	-1.890	1.824	-2.210			
00:55	468	468						
2:19	577	Data	-2.044	1.989	-2.148			
00:50	578							
2:29	577	Shutters						
	579							
	587 587	Shutters					Make sure no fringes	
1:11								
2:33		FE	1400	700	1000	1200	48x6 microns [1,2,3,4]	
1:28	588							
-1:01	137	Data	-2.393	1.752	-2.146			
1:34	638							
-00:55		Shutters						

Observers: JDM, NZ, EP, RP		UT date: 8/21		Object: 37 And			Weather: good
Cam Settings:							Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		Flux	S1 20	E1	W1	W2	S1 ↓ E1 ↓ W1 ↑
	0698	data flux	200	80	130	130	
02:05 03:29	0698-0757	data	-2.272	1.462	-1.988	0	
02:11 03:35	0758-0817	Shutters	-2.338	1.411	-1.966	0	
02:24 03:48	0818-0877	Data	-2.511	1.352	-1.945	0	
03:30 03:54	0877-0936	Shutters	-2.565	1.294	-1.942	0	

Observers: Mz, JDM, EP, RP		UT date: 8/21		Object: 2 Tri			Weather: Good
Cam Settings:							Seeing: Good 20 cm
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		Flux	S1	E1	W1	Wc	S1 ↓ E1 ↓ W1 ↓
02:52	0937-1036	data	-2.660	0.687	-1.927	-	resolved in E1 W1
01:53							
03:01	10:37-1047	Shutters	-2.793	0.601	-1.897	-	
01:43							
03:13		Flux	500	350	450	250	
03:20	1098-1197	data	-3.053	-1.848	1.578	-	
-01:25							
03:23	1197-1257	Shutters	-3.178	0.395	-1.836	-	
-01:16							
	1258-1277	Data	-3.384	0.272	1.836		

Observers:		UT date: 08/21		Object: Algal			Weather: good
Cam Settings:							Seeing: good
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			S1	E1	W1	W2	
			800	350	400	600	S1 b E1 b W1 b
4:23 -1:38	1278-1341	Data	-2.224	1.459	-1.942		
4:29	1351-1401	Shutter					

Observers: Cam Settings:		UT date: 8/24/08		Object: Zet per			Weather: Seeing: $r_0 = 11 \text{ cm.}$
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
4:36			S1 400	E1 250	W1 150	W2 300	
5:00	1402-1481	Data	-2.6	0.744	-1.806		
	1482-1541	Shutter					
	1542-1581	Data					

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/21/08		Eps per			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SI	EI	WI	WZ		
			150	100	160	300		
5:48 -1:02	1563-1621	DATA	-2.687	1.199	-1.897			
5:53	1622-	shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2008 Aug 22		d E9V HC B S +05 # 2.4			clear	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
11:15A			S1	E7	W1	W2		
			300	400	500	350		
	SEARCHING		-10 -12	-13 -2.5	-23	+107		
					(+2.01..)		weak!	
							NO LUCK.	
							DATA TAKEN w/ Lights !!!	
							NO DARK !!!	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2009 Aug 22		d Leo 2009 Aug 22 15			clear -	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
			500	400	400	350		
12:28 00:22 - 01:26			+9 M4	-2 ↑	-1.242	-		
12:47 00:40 - 01:06			+6.99	-2.939	-1.19			
			600	300	400	300		
1:07 00:45	2-61	DATA	6.552	-3.14	-1.139			
1:13 - 0:40	62-131	Shutter	6.446	-3.235	-1.126		112-122	BAD FG
1:24 - 0:29	132-191	Data	6.246	-3.322	-1.13			
1:30 - 00:24	192-251	Shutter	6.087	-3.415	-1.146			

Observers:		UT date: 08/22		Object: γ Peg 8+15			Weather: Good
Cam Settings:							Seeing: 12-25 cm
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		Flux	S1 150	E1 100	W1 80	W2 100	
02:00 -01:01	0322-0321	data	6.903	3.914	-1.10c	-	
02:07 -00:56	0322-0381	Shutters	6.736	3.182 0.078	-1.079	-	
02:31 -00:30	0382-0441	Flux	230	100	130	150	
02:31 -00:30	0382-0451	data	6.269	3.434 0.038	3.434	-	
02:38 -00:23	0452-0511	Shutters	6.083	3.568 0.038	1.117 0.038	-	S1 ↓ E1 ↓ W1 ↓

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2008 Aug 22		zeta ⁺²⁴ And !!			Seeing: 7.8 7-19 cm	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
	0512-	flux	S1 1400	E1 700	W1 650	W2 650	flat field	
03:10 -00:25	0512-0581	data!!	6.935	-2.096	-1.027	-		
03:18 -00:17	0582-0641	Shutters	6.772	-2.172	-1.050	-		
		flux	700	700	850	900		
03:42 00:06	0642-0711	data	6.283	-2.278	-1.129	-		
03:49 00:13	0712-0781	data	6.132	-2.596	-1.175	-		
03:55 00:20	0782-0841	Shutters	6.008	-2.887	-1.198	-		

Observers:		UT date:		Object:				Weather:
Cam Settings:		2008 Aug 22		d tri 129				Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
	0867	flux						
	0870	data	700	200	200 500	400 700		
4:28 -00:13	842-911	DATA	7.24	-1.443		-1.024	6.4 - (-2.2)	
4:40 -00:01	912-971	Shutter FE	7.121	-1.480	-1.037			
4:57 +00:14	972-1041	Data	6.650	-1.793	-1.132			
5:04 +00:22	1042-1101	Shutter	6.483	-1.934	-1.181			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/22		Zet per +31			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
5=20		F.E.	S1 400.	E1 250	W1 350	W2 300		
5=47 -00=55	1117-1166	Data.	7-468	-2.232	-1.051			
	1167-1225	Shutter					S1, E1 fringes are very faint !! weird!	
	1226-1137	Data		/			probably BAD calibration !!	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/23/08		γ 4r			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
		F-E	100	100 50	50	50 100		
9:28		fringes.	8.006	0.996	-2.060		S1-E1 : 5.510 , -1.659	
-00:17								
08:04		data		100				
-00:52								

Observers: Cam Settings:		UT date: 8/23/08		Object: Al-tair			Weather: Seeing:
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			S1 3000	E1 1500	W1 2500	W2 1200	
10:34 00:49			8V	+1.0V	-2.378		
10:41 00:03	0-124	DATA	5-515	\	-2.408		3T
10:47 00:09	124-296	DATA	5-487	-3.070	-2.426		4T
10:54 00:16	297-	Shutter	5.383	-3.135	-2.432		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		08/23/08		Zeta ₂ Peg			Clear	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
	0527-	flow	S ₁ 190	E ₁ 100	W ₁ 100	W ₂ 200		
02:04 -00:56	0527- 502	data	7.015	-1.528	-1.932	—		
02:10 -00:47	0563-022	Shutters	6.940	-1.553	-1.931	—		
02:20		data	120	100	140	100		
02:33 -00:25	623-682	DATA	6.513	-1.887	-1.974	—		
02:40	683-742	shutter.	6.434	-1.926	-1.987			
		FE						
2:56 -00:02	743-802	DATA	6.118	-2.216	-2.063			
	803-862	shutter						

Observers:		UT date:		Object: Zet And.			Weather:	
Cam Settings:							Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
03:18		flux	SI 1000	500	700	450		
03:39 00:01	0863-0922	data	8.7	-0.985	-2.00	0	No fringes SI	
03:49 00:17	0923-0982	Shutters	4.9	-1.134	-2.032	-	" " (SI)	
04:00		flux	800	200	600	500		
04:14 00:23	0982-1041	data	6.128	-1.663	-2.240			
04:19 00:48	1042-1058	" "	6.018	-1.823	-2.246	-	lost all fringes 47	
04:23	1059-1118	Shutters	6.013	-1.834	-2.266			

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/23/08.		Eta Tau			Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		F.E.	SI 250	EI 200	WI 200	WZ 150.	
5:09 -1:23	118-1207	DATA.	8.167		-1.826		
	128-1267	Shutter	8.04	-0.365	-1.777		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/23		Nu Tau			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
5:24			S1	E1	W1	W2		
			100	60	110	50		
5:46 -01:02	1268 -	DATA	6-435		-2.017			
5:52 -0:57	1357	DATA	6-328	-3.037	-1.973			
5:56 -00:52	1358 1	Shutter	6.244	-3.045	-1.991			

Observers:		UT date:		Object:			Weather:
Cam Settings:		08/24		γ Lyr			Seeing:
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			S1	E1	W1	W2	
			20.	150	80	50	
8=49 -00:51	0-59	DATA	8.364	1.165	-2.059		
8=55	60-119	Shutter	8.310	1.124	-2.096		
		FE					
9=11 -00:29	120-179	DATA	8.155	1.044	-2.092		
9=17 -00:23	180-239	Shutter					

Observers:		UT date:		Object: Al-tair			Weather:
Cam Settings:							Seeing:
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			SI	EI	WI	W2	
			3000	2500	3500	1000	
10:04 -00:28	240-430	DATA	6.231	\	-2.299		37
10:11 -00:22	431-639	DATA	6.009	-2.427	-2.324		
10:19 -00:13	640-819	Shutter	5.895	-2.550	-2.350		EI carts at front
	820-849	EI					re-take EI @ shutter

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/24		SW peg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		F.E.	S1 450	E1 400	W1 300	W2 150		
		DATA						
11:20 -00=43	860-929	DATA	7.312	-0.148	-2.048			
11:24 -00=39	930-989	Shutter	7.279	-0.164	-2.049			
		F.E.						
11:51			6.902	-0.45	-2.133			
11:52	990-1029	DATA	6.865	-0.583	-2.128			
11:53	1030-	Shutter						

Observers:		UT date:		Object:				Weather:	
Cam Settings:		8/24		2 Peg				Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)		
		FE	600	275	250	225			
00:27	1090	Data	7.208	-1.184	-2.063				
00:23	1157		2.063						
-00:59	1159	Shutter		-1.184	-2.063		Did not unlock fringes		
00:46	1218								
00:53	1219	Shutter					10 foregrounds		
-00:53	1228								
-00:11		FE	450	275	250	250			
1:12									
1:15	1229	Data	6.622	-1.596	-2.043		Problem with W2 dome getting in the way of scope.		
-00:29	1277								
-00:22	1279	Shutter							
1:23	1238								

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/24		Zet Awd			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
			1000	600	700	400		
2:55 -0:30	1569-1691	DATA	7.426		-1.912			
3:07 -0:22	1692-1708	DATA	7.322	-0.518	-1.902			
3:09	1709-1768	Shutter	7.279	-0.558	-1.892			
		F.E.						
3:30 00:03	1769-1838	DATA	6.908	-0.872	1.996			
3:37 00:08	1839-1897	Shutter	6.821	-0.937	-2.014			
3:45 00:16	1898-1938	DATA	6.633	-1.169	-2.065			
3:53	1939-1998	Shutter.						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/24		Gam o Tri			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			51	E1	W1	W2		
			50	60	60	70		
4:20 -00:38	1999-2058	DATA	8.303	0.696	-1.859			
	2059- 2148	shutter	8.267	0.704	-1.860			
	-2148	DATA						
4:36 -00:28	-	shutter	8.11	0.654	-1.863			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2008 Aug 25		SW Peg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			51	0.1	W1	W2		
-00:37		FeX	500	300	220	300		
					-2.116		NO DATA	
11:30		DATA	7.014	-0.325	-2.104		HAS DATA	
-00:25								
-00:18	1120		6.92	-0.415	-2.105			
11:47	1348		6.854	-0.481	-2.155			
	1349	Shutter						
		FE						
HA 00:22	1532-1591	DATA	6.27	-1.096	-2.376			
12:29								
00:29	1592-1651	Shutter	6.152	-1.192	-2.369			

HA

Observers: M2, JDM et al		UT date: 8/24		Object: Zet and			Weather: clear	
Cam Settings:							Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		flux	S1	E1	W1	W2	S1 ↑ E1 ↑ W1 ↑	
02:50 -00:25	2132-2191	data	7.365	-6.444	-1.923	-		
03:02 -00:21	2192-2251	shutter	7.312	-0.490	-1.940	-		
	2152	data flux			800	630	S1 b E1 b W1 b	
03:26 00:03	2252-2311	data	6.903	-0.			3 telescopes only!!	
	2312-2371	data					must be near null	
03:37 00:13	2372-2431	data	6.711	-0.912	-2.086	-	difficult to keep fringes E1	
			6.659	-1.028	-2.108			
03:42	2432-2491	data	6.634	-1.055	-2.133			
03:40 00:20	2492-2551	data	6.539	-1.165	-2.160			
03:54 00:30	2552-2611	shutter	6.419	-1.292	-2.184			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/25/08		α Tri			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
4:08		F.E.	S1 400	E1 250	W1 250	W2 300		
		DATA	7.452					
4:31 00:00	2612-2671	DATA	7.452	-0.007	-1.941			
4:36 00:06	2672	Shutter	7.371	-0.080	-1.971			
		FE.						
	-2801	DATA						
5:07 00:37	-2861	Shutter	6.826	-0.732	-2.155			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/26/2008		Altair			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
8:46.		F.E.	SI	EI	WI	WZ		
		2000	2000	1500	2000	2000		
	0-366	DATA	6.824	-	-1.743			
9:28 -00:56	367-545	Shutter						
		F.E. DATA	6.579	-	-2.291			
10:02 -00:23	546-945	DATA	6.062	-2.263	-2.380		Saturating	
		DATA	5.835	-2.447	-2.428			
10:18 -00:06	946-1125	shutter	5.793	-2.578	-2.443			
		1						

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/26/08		SW peg			Seeing: 4 ~ 5 cm.
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			SI	E1	W1	W2	
			300	400	250	320	
11:41 -1:04	1126-1195	DATA	6.902	-0.361	-2.159		
			6.894	-0.393	-2.19		
	1195-1255	Shutter	6.871	-0.394	-2.167		
		F.E.					
12:13 -1:04	1256-1325	DATA	6.442	-0.892	-2.344		
12:19 -1:04	1326-1385	Shutter	3.369	-0.980	-2.354		

Observers:		UT date:		Object: Zeta And			Weather: Clear	
Cam Settings:		8/26					Seeing: 5-13 AS	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
02:59		flux	S1	E1	W1	W2		
			800	700	300	700		
03:22								
00:02	1776-1845	data	6.823	-0.802	-2.077	—		cannot keep fringes
03:29								
00:09	1846-1884	data	6.787	-0.958	-2.084			losing fringe.
03:33								
00:13	1885-1944	Shutters	6.702	-0.909	-2.115			S1 b E1 b W1 b
04:14								
00:54	1945	flux	400	500	400	400		
04:14								
00:54	1945-1984	data	5.951	-1.693	-2.314			out of delay on E1
04:18								
00:59	1985-2044	Shutters	8.884	-1.692	-2.366	—		
02:55								
05:21	2045-							

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/26/08		Zet peg. (cal)			Seeing: ~9 um
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		DATA	S1 120	E1 100	W1 130	W2 100	
12:09 -01:02	404-463	DATA	6.862	-1.756	-2.095		Fringe in FG: 514-523
12:16 -00:55	464-523	Shutter	6.684	-1.795	-2.097		
		F.E					
12:38 -00:33	524-593	DATA	6.309	-2.14	-2.134		
	594-603	Shutter	6.156	-2.219	-2.160		(BG), Labeled as DATA
							Splicer crashed
							TT crashed
	614-673	Shutter					Re-do shutter

Observers:		UT date:		Object: zeta And - HR215			Weather: Clear
Cam Settings:		08/27					Seeing: 5-10 micrometers
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
02:34		flux	700	700	800	700	S1 ↑ E1 ↑ W1 ↓
	0914-0973	data	7.181	+1.980	-1.919	-	
03:06 05:33	0974-1033	Shutters	7.071	+	-1.960	-	
		flux	700	1000	400	500	
		data					S1 ↓ E1 ↓ W1 ↓
03:24 05:50	1024 -1093	data	6.770	-0.937	-2.048	-	
03:30 05:56	1094-1123	data					
03:33 05:59	1124-1183	Shutters	6.613	-1.071	-2.078	-	
03:41		flux	1100	600	700	500	
03:56 06:22	1184-1243	data	6.195	-	-2.201	-	cannot find fringes
04:05 06:51	1244-1305	data	6.044	-	-2.250	-	on E1
04:09 06:35	1306-1365	Shutters	5.984	+	-2.261	-	

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/28		Altair			Seeing: 600
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		F.E	S1	E1	W1	W2	
			3500	2500	2000	2000	
9:40			6.24	-2.091	-2.305		Cross: -1.981 Saturation: -2.231
-00:35							
9:44	125- 324	DATA	6.169	-2.241	-2.344		
-00:37							
9:53	325-514	Shutter	6.053	-2.299	-2.326		
-00:26							
		F.E	4500	2500	2000		
10:15	515-714	DATA	5.670	-2.640	-2.426		
-00:02							
10:23	715-	Shutter	5.507	-2.785	-2.451		
+00:06							

Observers:		UT date: 08/20		Object: H ⁷ Gam peg			Weather: Clear	
Cam Settings:							Seeing: 10 cm	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1 S1	B2 E1	B3 W1	B4 W2	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
00:59		flux	140	100	100	80	S1P E1 W1 W1 ↓	
01:11 -01:25	1282-1341	data	7.546	-0.995	-2.022	—	Getting warm outside!	
01:14 -01:23	1342-1401	Shutters	7.467	-1.005	-2.046	—	Unblocking fringes (no trust)	
01:22		flux						
01:36 -01:01	1402-1461	data	120	100	120	90	S1b E1b W1b wind increasing	
01:44 -00:53	1462-1505	data	7.010	-1.383	-1.916	—	last fringes on W1 ↗	
01:48 -00:49	1506-1565	Shutters	6.959	-1.422	-1.981	—	W1 oscillating - last fringes again	
01:55		flux	200	100	100	70		
02:06 -00:31	1566-1625	data	6.047	-1.662	-1.993	—	got extra set due to W1 probs	
02:13 -00:24	1626-1685	Shutters	6.511	-1.726	-2.007	—	RT pipe error twice	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		08/28		HR 215 Zeta And			Clear 7cm	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		flux	500	400	200	400	wind still stronger	
02:41 00:03	1685-1744	data	7.357	-0.383 -1.908	-1.908	—	S1 9 E1 4 W1 4	
02:47 00:09	1745-1804	data shutters	7.309	-0.450	-1.945	—	extra set for lost fringes	
02:48 00:10	1755-1814	shutters	7.300	-0.431	-1.947	—		
02:56		flux	400	400	300	400	high cirruses wind increases	
03:13 00:35	1815-1874	data	6.905	-0.762	-2.017	—	keep losing fringes	
03:19 00:42	1875-1934	shutters	6.761	-0.857	-2.042	—	see in 5cm	
03:29		flux	1000	400	400	600		
03:33 00:56	1935-1994	data	6.995	-1.143	-2.101	—		
03:39 01:01	1995-2054	shutters	6.453	-1.186	-2.156	—		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/28		α TRI-HR 544			Seeing: 7CM
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
		flux	300	200	200	200	
4:11 -00:07			7.546		1.900		Zenith hole
4:46 +00:20	2055-2124	DATA	6.979	-0.510	-2.081		
	2125-2173	Shutter	6.882	-0.556	-2.094		
		F.E					
5:01 00:42	2173-2263	DATA	6.668	-0.866	-2.159		
5:09 00:50	2264-2323	Shutter	6.479	-1.040	-2.207		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/28		Zet Per			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
			250	240	50	300	W1 oscillating crazily	
5:40 -00:38	2324-2423	DATA	8.097	0.455	-1.833		⊙	
5:49 -00:30	2424-2483	Shutter	8.010	0.453	-1.832			
		F.E						
6:01 -00:18	2472-2511	DATA	7.872	0.410	-1.833			
6:04	2512 -	Shutter					Light outside: No light in W1 use previous shutter!!	

Observers: Cam Settings:		UT date: 8/29/2008		Object: Eta Tau			Weather: Seeing: 6-7 cm. Later 3 cm.
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
4:40		DATA	SI	E1	W1	W2	
4:56 -1:12	161-220	DATA	200	220	150	150	
5:02 -1:06	221-280	Shutter	7.886	-0.149	-1.952		
			7.771	-0.179	-1.954		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/29/08		zet per			Seeing: 3 cm !!!
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
5:15			S1 50	E1 150	W1 50	W2 80	BAD SEEING 3 cm!!!
							seeing 1-3 cm.
5:50	281-321		7.675-	0.531	-1.923		can't keep fringes.
							Took some data but barely have fringes in.
							useless.

Observers:		UT date: 2008		Object:			Weather:	
Cam Settings:		Sep 02		Zet Aql			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S1	E1	W1	W2		
			130	150	200	80 120		
9:31	0-89	DATA	5-734	-2-328	-2-536		thin clouds	
9:00-18								
9:41	90-149	shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		9/2/08		K peg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SI	EI	WI	WZ		
			120	100	100	160		
				-0.02				
11:11 -00:39	380-439	DATA ①	7.581	-0.066	-2.082		There's another SIWZ @ lower position so is WIWZ !!!	
			7.529	-0.142	-2.085			
11:21 -00:30	440-479	DATA ②	7.352	-0.210	-2.016			
	480-539	shutter	7.344	-0.252	-2.026			
		F.E						
11:48 -00:02	540- 579 ⁵⁷⁹	DATA	7.090	-0.489	-2.153		fringes fluctuate. Higher offset one	
			7.019	-0.563	-2.159		seeing gets much worse	
		DATA					Higher offset lower offset one	
	5800	shutter					B1 BAD 590-599	
	1						ALL BEAMS ARE FAINT	
	659						640-649 BAD	

Observers:		UT date:		Object:			Weather:	
Cam Settings:				Zet peg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SI	EI	WI	W2		
			170	80	120	70		
12:38 -00:10	660-719	DATA	5-951	-2.221	-2.483			
12:44 -00:04	720-779	Shutter	5-896	-2.306	-2.503			
		FE						
12:58 +00:10	780-839	DATA	5-633	-2.572	-2.568			
01:02	840-899	Shutters	5.556	-2.735	-2.588	-	humidity decreasing	

Observers:		UT date: 08/02/08		Object: HR 215 Zet And			Weather:
Cam Settings:							Seeing: 5-7 cm
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux,,etc)	B1 SI	B2 E1	B3 W1	B4 W2	Comments (Reference Cart Position, image quality, recent alignment? etc.)
02:20		flux	300	300	600	400	
02:37 -00:14	1120-1199	data	7.198	-0.370	-2.202	-	
02:43 -00:09	1200-1259	Shutters	7.113	-0.414	-2.216	-	
02:50		flux	800	300	800	600	
03:08 00:14	1260-1319	data	6.693	-0.832	-2.331	-	
03:13 00:21	1320-1379	shutters	6.627	-0.950	-2.345	-	Pipe error! (1356)
03:21 -	-	flux	600	550	700	700	
03:33 00:41	1380-	data	6.287	-1.353	-2.435	-	
03:36 00:44	-1430	data	6.230	-1.418	-2.471	-	30 more data points
03:39 00:47	1431-	Shutters	6.171	-1.446	-2.498	-	3 to 7 cam seeing



K GRISM 450

Observers: JDM, TK, EP		UT date: 2005 003		Object: SCAS			Weather:	
Cam Settings: 12 CF							Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		F.ex	S2 700	ER 400	v1 800	v2 600		
		SEARCHING	12 3	0 F	18 3		H PRISM FRINGES TO FIND!	
2:46A			10.66	1.16	16.81		S2. W/ XFR. 11.77/17.98	
-00:11		TRYING TO ALIGN FOR KSHUT	10.41	0.51	16.72		R 450 GRISM.	
3:23							11, 15, 8, 4, 19, 22 ^{80V}	
HA 00:2							14, 19 (9), 5, 23, 27 ^{10V}	
		F.ex DATA	1000	400	900	900	21, 70 40	
							25 20 10	
	50-149	^{80 200} (35" 20") DATA	10.28	0.29	16.66	-	USED CRACK 15 19 10 5 24 29	
	150-29	run to SHUT	cul, 200	offset	35-20	4PRM.	CRACK! 14 18 9 4 23 25	
			10.17	0.18	15.69		CRACK! 16 20 11 6 25 30	
4:03		F.ex DATA.	1150	700	1000		GDT THRU 25 30	
HA 01:05	300-449		101	-0.18	16.57	-		
01:16	450-899	SHUTTERS						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		2008 2/03		γ CAS			Seeing: 2-10 arc(?)	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
1:AM		F.ex	52 850	E2 400	w1 720	w2 500	ADJUSTING FOCUS AT H, IC	
							ADJUSTING FOCUS OF IMAGING SYSTEM.	
							NOT TOO WELL FOCUSED! WITH 1.5 arc 2 pix	
							SAVING DATA FOR EXTRACTING PROFILE (PRE-FOCUS)	
1:17A.	0-9	BACKGROUND					H NO PRISM.	
	10-19	Beam 4					~ 40% in on-line. H NO PRISM	
	20-29	Beam 2 Adjusted					~ 80% in on-line. H NO PRISM. pico 2 Z-40000	
							cpeak = [20, 27, 13, 7, 33, 39]	
	30-39	BACKGROUND					using 250 frames. KSHOIT NO PRISM.	
	40-49	DATA					TO MEASURE PROFILE	
21.	A	ADJUSTING					SLIT ARRAY. <u>551300.</u> LOSE 10-15% OF LIGHT THROUGH 2 pix	

KS⁴ R250 GRISM

Observers: 80x200 (35x20) Cam Settings: w/6M) 4, 250		UT date: 2008/3		Object: 2 EAS CS CAM.			Weather: clear	Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		Fibre Ex.	52 400	22 140	w1 400	w2 200	{Fibre overlap start}	
HA -00:47		CHANGING TO			K5 GRISM /		R250 GRISM	
	600-779	DATA	10.6	1.27	16.9 _{mm}	-	-10.3	5241 x fibre 16.5
HA -00:49	750-	SUBTRACT	10.61	1.10	16.92		Some p.w. problems	

Observers:		UT date:		Object:			Weather:
Cam Settings:							Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
5:26 HA: 30		HBND f.c.x	52 1200	 700	u1 1000	 800	
			10.67	1.13	169		
HA: 37			9.92	-0.23	17.3		
	900-999						35 PA. 47 HA 939-2
HA 0073			9.7	-0.43	17.3		<u>EZ WEAK!</u> UAS OCCURRED BY IT
			9.66	-0.51	17.3		
	1000-1049						

Observers:		UT date:		Object:			Weather:
Cam Settings:		2008 Sep 09		STARTUP NOST 7.			Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
	New	R400 GRISM					offset 35, vrow 40. 1.98 μm → 2.13 μm.
		SHOUSE					offset 50, vrow 40 Approx 2.03 μm → 2.19 μm.
	msf	slow down					RM.

Observers:		UT date:		Object: θ DRA.			Weather: poor at beginning	
Cam Settings:		2008 Sep 07		S = 58			Seeing: 0.5 1.0, poor.	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
8:30		FiberEx	52	EL	w1	w2.		
			100	80	120	200		
			100	06	12			
HA 02:31	0-79	DRA	9.5	-1.2	16.2		3T DATA	
	80-139	SHUTTER	9.52	-1.20	16.1		4T File 9.	
		Se X	120	40	150	200		
	140-258	DRA	9.4	-1.5	15.9	15.5	LOST w1 ... Recovery	
HA 03:12	259-	SHUTTER	9.3	-1.75	15.85	-	LOST frames some frames	

Observers:		UT date:		Object:			Weather:
Cam Settings:		9/04/08		Tet Cyg			Seeing:
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)
			SZ	E2	V1	W2	
			6 100	70	90	130	
9:52 00:17	319 319-378	DATA	10.239	0.551	17.084		
9:59 00:23	379-438	shutter					
		F.E.					
10:13 00:38	439-503	DATA	10.096	0.162	17.006		
10:19 00:44	504-563	shutter					

Observers:		UT date:		Object:			Weather:	
Cam Settings:		9/04/2008		Omi Dra.			Seeing: 4-6 cm.	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		F.E.	SZ 700	EZ 200	W1 800	W2 600		
10:50 02:00	564-628	DATA	9.802	-0.785	16.353			
10:56 02:06	629-688	Shutter	9.726	-0.885	16.312			
		F.E.						
11:13 02:23	689-768	DATA	9.621	-1.125	16.239			
11:20 2:30	769-828	Shutter	9.593	-1.203	16.172			

Observers:		UT date:		Object:			Weather:	
Cam Settings:				CH Cyg			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			SZ	E2	v1	v2		
			3000	¹²⁰⁰ 2000	2500	2500		
			10.05 10.06	0.06	16.16			
02:26			9.298		14.94		Time problem?	
			Time problem				Fixed it.	
HA 03:28	829-1228		8.8		15.8			
				SEARCHED	0.7 NO		E2 from	
				-8			SEARCHED CAREFULLY -8 to +6 on E2	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		9/04/2008		7 And			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S2	E2	W1	W2		
		F.E.	130	65	110	120		
02:06 00:56	1419-1469	DATA	9.915		16.898		wz got stuck at 30.7 m 3T only!	
02:15 01:06	1470-1528	shutters					E2 -0.5m off :homed	
02:06 01:06	1419-1469	F.E.	160	60	100	90		
02:32 01:22	1529-1588	Data	9.707	-0.838	16.785			
02:42 01:33	1589-1648	shutters	9.693	-0.945	16.754			

Observers: 1		UT date: 9/4		Object: γ Cas			Weather:	
Cam Settings: K GRISM 450							Seeing:	
Local Time (HA)	File#	Info Type (offset, FG, BG Data, flux, etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
			S2 1/800	E2 450	W1 1200	W2 800	rows: 80 cols: 200 row off: 50 col off: 20 NReads: 4 ^{ON SAT} = 45	
3:37 00:40	1649-1799	DATA	10.298	0.289	16.680		# of frames = 250 per read = 150	
3:49 00:54	1800-1979	shutter	10.492	0.370	16.711		cpeak: 15 19 10 5 24 29 cpeak0: 14 18 9 4 23 28 cpeak1: 16 20 11 6 25 30	
		F. E					$\lambda = 2.11, \Delta\lambda = 0.15$	
4:29 1:34	1980-2128	DATA	10.031	-0.400	16.303		SLIT array pos: 551300	
4:40 1:43	2129-	shutter	9.974	-0.434	16.551		crt time changes 10, 14, 18, 22	
							14, 16 10, 18, 20, 25 H2 9, 14, 19, 24 H2	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		9/4/08		CS Cam			Seeing:	
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1	B2	B3	B4	Comments (Reference Cart Position, image quality, recent alignment? etc.)	
		F.E.	S2 300	E2 150	W1 330	W2 280.		
5:29 00:02	2310-2443	DATA	10.485		16.876			
5:42 00:14	2444-2623	shutter	10.394	0.639	16.854			
5:58 00:31	2624-2760	DATA	10.306	0.524	16.827			
6:09 00:42	2761-2850	shutter					Sun light!!!	