

Observers: MZ, MA		UT date: 8/3/2007		Object: Vega			Weather: clear, windy
Cam Settings:							Seeing: <del>5</del> 1-6 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.)
		FE	1000	1400	2959	2000	
10:47 00:06	24-98	Data	-21.060	0.180	-5.126		lost E2 many times
10:58 00:14	99-173	<del>shutter</del>	-21.136	0.043	-5.046		E2 oscillating crazily
11:00 00:16	174-293	shutter	-21.186	0.034	-5.012		BAD Quality
<hr/>		FE	<hr/>				
11:13 00:30	294-495	Data	-21.334	—	-4.921		3T, No E2.
	↓	Data	-21.382	—	-4.875		E2 oscillates so badly
	628	Data	-21.38	—	-4.837		<del>telescope</del> E2 cart stuck
	629-808	shutter					





Observers:		UT date:		Object:			Weather:
Cam Settings:		8/3/2007		HD 5394 γ Cas.			Seeing: $r_0 = 6-12$
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.)
Z=20		TT	SZ	EZ	W1	W2	
		FE	<del>340</del> <sup>400</sup>	250	500	700	
2:53 -2:09	1645-1719	Data	-15.985	0.821	-6.988		
3:00 -2:02	1720-1778	Shutter	-16.085	0.779	-6.898		
3:09 -1:53	1780-1829	Data	-16.336	0.728	-6.792		
3:14 -1:48	1830-1889	Shutter	-16.363	0.722	-6.787		
3:22		FE					
							1890-1940. (BAD!!)
3:39 -1:23	1941 -2054	Data	-16.770	0.559	-6.537		
3:43 -1:19	2055-2114	Shutter	-16.871	0.529	-6.517		

Observers:		UT date:		Object: HD 10516			Weather: clear	
Cam Settings:		8/3/2007		phi per			Seeing: r <sub>0</sub> = 4-12	
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.)	
3:55		TT	S2	E2	W1	W2		
4:07		FE	3K	9K	35K	25K		
			50	40	70	70		
				<del>0.801</del>				
			-17.376	0.830				
4:14 7:35	2115 -2153	Data	-17.393	0.813	\	\	(3T, S2-E2-W2)	
4:18 -1:31	2154-2204	Data	-17.492	0.742	-6.324	—	4T	
4:25 -1:23	2205-2264	Shutter	-17.654	0.740	-6.324	—		
4:30		FE						
4:48 -1:01	2265-2337	Data	-18.192	0.517	-5.998			
4:54 -00:54	2338-	Shutter	-18.333	0.482	-5.949			











Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/6/2007		ups 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.)	
3:00		FE	82	E2	W1	W2		
			200	120	200	300		
		TT						
3:20	347-406	Shutter						
-2:12		Data	-18.416	0.865	-6.272			
4:18	413-473	Shutter						
-1:12		Data	-18.818	0.781	-6.144			
4:18	474-713	FE						
-1:12								
4:48	714-773	Shutter					smoke on the mountain.	
5:04	774-832	Data	-20.	0.441	-5.605			







Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/7/2007		Bet Cas.			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.)	
2:50		TT	S1	E1	W1	W2		
		FE	530	600	100			
	140		down to 5.3					
3:24	↓	Data.	0.410				Fringes are so faint.	
-00:35								
3:27								
-00:32								
3:35								
3:33			0.332	1.482	-6.394		too hard to track!!!	
-00:25	Data	0.332	1.487	-6.281				
3:40	289	Data.	0.272	1.412	-6.246			
-00:20								
	290- 300-349	shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/7/2007		phi 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.)	
4:32		TT	S1 <del>S2</del> 15K	E1 32K	W1 150K	W2 78K		
		FE	30	40	40	70		
4:49								
-00:44		1			-6.096			
4:51	350-419	Data	0.329	1.41	-6.080			
-00:42								
4:59	420-469	Shutter	0.272	1.372	-5.994		<del>480</del> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Foreground BAD</span> !!! New foreground = 480-489 Labeled as <del>DATA</del>	
-00:34		FE						
	<span style="border: 1px solid black; border-radius: 50%; padding: 5px;">490-499</span>	BAD!!!						
5:25	500-	Data	0.030	1.272	-5.772		r <sub>0</sub> = 13 Good seeing	
-00:12								
5:31	639	Data	-0.085	1.227	-5.708			
-00:02								
5:35	640-722	Shutter	-0.100	1.202	-5.668		698-702 BAD Foreground.	
+00:01								

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/8 2007		Sig Cyg (cal)			Seeing: $\tau_0 = 13$	
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.)	
		TT	SI	EI	WI	WZ		
			9K	20K	75K	50K		
		FE	80	55	100	55		
11:06 -1:57		<del>FD</del>	0.799	\	-6.840			
11:09 -1:55	0 - 79	Data	0.747	\	-6.800		SI-WI-WZ, NoEI	
11:23 -1:39	80 - 149	Shutter	0.669	1-535	-6.589		130-136 BAD FG	
		FE.						
11:47	150 - 179	Data	0.409	1-535	-6.298			
11:51 -1:13	180 - 239	Shutter	0.391	1-529	-6.249			
11:59 -1:04	240 - 299	Data	0.32	1-541	-6.135			
12:05 -00:59	300 - 329	Shutter	0.330	1-539	-6.060		329 BAD FG	



Observers:		UT date:		Object:			Weather:
Cam Settings:		8/8/2007		7 And (cal)			Seeing: $V_0 = 10-14$
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.)
12:45		FE	S1 80	E1 60	W1 100	W2 110	
		TT	7.5K <del>7.5K</del>	18K	60K	45K	
1:05 -1:54	329-378	Data	0.963	1.686	-6.894		
1:10 -1:49	379-438	Shutter	0.924	1.687	-6.836		
1:20 -1:38	439-488	Data	0.842	1.661	-6.709		
	489-548	Shutter	0.793	1.665	-6.653		

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/8/2007		Bet Cas.			Seeing: $r_0 = 10$ 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.)	
<del>1:39</del> 1:39		FE	200-500	350	150			
		TT	71K	150	200K	200K		
			1.185	1.910	-6.830			
2:09 -1:45	549-598	Data			-6.991			
2:15 -1:40			0.942		-6.926			
2:18 -1:37	599-648	Data	<del>766P</del>	†				
2:18			0.880	1.664	-6.893			
2:23 -1:33	649-717	shutter	0.861	1.655	-6.856		FG.	
	<del>718</del> 718-767	Data.						
2:43 -1:12	768-827	shutter	0.798	1.603	-6.736.			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/8 / 2007		Gam Cas.			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.)	
3:00		FAE	S1 200.	E1 200.	W1 500	W2 500		
		TT						
3:15 -1:28	828-857	Data	<del>0.732</del>	1.612	-6.850		E1 - W1 - W2	
3:20 -1:22	858-917	Shutter	<del>0.732</del>	1.602	-6.815		E1 - W1 - W2	
		FE.		400.	700.			
3:35 -1:05	918- <del>947</del> 967	Data	-	1.523	-6.669		E1 - W1 - W2	
3:44 -0:58	968-1027	Shutter	<del>0.732</del>	1.498	-6.626			
3:52 -0:51	1028-1077	Data		1.479	-6.558			
3:57 -0:46	1078-	Shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/8/2007		Phi per			clear, 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			
		FE	30	30	50			
		TT	12K	33K	100K	70K		
4:07			0.732		-6.558			
				1.482				
4:28 -1:01	1114-1163	Data	0.518	1.469	-6.301			
4:33 -00:56	1164-1223 <del>1164-1223</del>	Shutter	0.463	1.451	-6.236			
4:41 -00:48	1224- 1279	Data	0.428	1.451	-6.236			
4:47 -00:43	1280-	shutter	0.355	1.420	-6.110			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/8/2007		16 per			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.)	
5:00		FE	S1	E1	W1	W2		
			200	100	100	200		
		TT	10K	24K	79K	56K	3ms.	Great seeing
5:18 -1:18	1339-1429	Data	0.429		-6.148			
5:28 -1:12	1430-1489	Shutter	0.306	1.215	-5.999			
		FE	120	100	100	180		
5:42 -0:54	1490- <del>1529</del> 1533	Data	0.182	1.220	-5.827			
5:46 -0:49	1534-1593	Shutter	1534 -1543	1544 -1553	1554 -1563	1564- 1573		OK <del>RAD</del>
							FG = 1574-1583	
							BG = 1584-1593	
	1594-1608	BG						Bright outside sunrise !!!

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/9/2007		phi per.			Seeing: $\rho = 10-20$ .	
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.)	
<del>5:20</del>		SI	50	E1	W1	W2		
		FE	50	50	60.	60.		
		TT	12	30	100K	75K		
5:38 +10:12	780-829	Data	-0.194	1.084	-5.533			
5:45	830-894	Skutter	-0.257	1.047	-5.499		15 FG files.	
5:52 00:26	895-914	Data						

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/9/2007		Del 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.)
10:30		TT	51 60 K	E1 120 K	W1 200 K	W2 200 K	5 ms
		PE	100	100	<del>40</del> <del>50</del>	150	
11:41 00:13	1-40	Data.	-0.295	1.4	-5.451		3T, No E1,
11:45 00:23	41-89	Shutter	-0.355	1.538	<del>0</del> -5.371		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/9/2007		Sig Cyg			Seeing: r <sub>0</sub> =
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.)
12:40			S1	E1	W1	W2	
		FE	50	35	70	70	
		TT	16K	40K	130K	100K	
12:53 -00:06	90-153	Data.	-0.223	1.491	-5.402		Bad $\phi$ data quality
1:00	154	Shutter					No E1.,



Observers:		UT date:		Object:			Weather:	
Cam Settings:				γ Cas			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.)	
2:50 -1:40		FE	SI 240	EI 250	WI 400	WZ 700		
		TT	65 K	150 K	200 K	200 K	3ms.	
3:07 -1:32	213-363	Data		1.597	-6.865			
3:12 -1:26			0.856					
3:22 -1:16		⊙ Data	0.777	1.562	-6.736			
3:32 -1:08	364-423	Shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/19/2007		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.)	
3=40		FE	S1 130	E1 80	W1 100	W2		
		TT <del>FE</del>	15K	35K	<del>115K</del> 100	85K	3ms	
4=21 -00=17	424 -473	Data	-0.113	1.258	-5.370	-	NO W1, 3T	
4=23 -00=16	474 <del>463</del>	Data	-0.127	1.253	-5.350		4T	
	543							
4=28 -00=11	544 -603	Shutter	-0.165	1.238	-5.297		Zenith hole	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/9/2007		16 Per			Seeing: $r_0 = 10-20$ .	
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		FE	SI	EI	WI	WZ		
			220	100	110.	150		
		TT	10	25	80K	60K		3ms.
4:58	604-633	Data	0.654	1.182	-6.351			
-1:34								
5:01	634-693	Shutter	0.606	1.167	-6.280			
-1:31								
5:09	694-743	Data.	0.554	1.181	-6.167			
-1:23								
5:14	744-	Shutter	0.469	1.186	-6.104			

Observers:		UT date:		Object: Sig			Weather: clear
Cam Settings:		8/10/2007		<del>Sig</del> Cyg			Seeing: o/c
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	70	E1	W1	W2.	
		FE	70	110		<del>50</del>	
		TT					
		FE	50	70	80	70	
12:34 -0:22	0-29	Data	-0.028	1.339	-5.488		
12:39 -0:17	30-89	Shutter	-0.060	1.330	-5.457		
		FE					
	90- <del>130</del> 139	Data	-0.250	<del>1.337</del>	-5.269		3T, No E1
12:55 -00:00	140-199	Shutter					Zenith!!!

Observers:		UT date:		Object:			Weather:		
Cam Settings:		8/10/2007		Omi And			Seeing: r <sub>0</sub> = ~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.)		
1:10		TT	SI	E1	W1	W2			
		19 K	50 K	147 K	110 K				
		FE	90	90	50	80			
1:46 -00:54	200-229	Data	0.328	1.327	-5.905				
1:50 -00:50	230-289	Shutter	0.324	1.309	-5.879				
	290-349	Data							
2:05 -00:35	350-409	Shutter	0.140	1.294	-5.695				

Observers: Cam Settings:		UT date: 8/10/2007		Object: Bet Cas.			Weather: Seeing: r <sub>0</sub> = 9
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=16			SI	E1	W1	W2	
		TT	68	160	200 K	200 K	
		F-E	700	800		1300	
2=55 -00=52	400-449	Data	0.560	1.373	-6.455		
2=59 -00=49	450-509	Shutter	0.515	1.337	-6.420		
3=08 -00=39	510-539	Data	0.452	1.301	-6.344		
3=10	540-569	Shutter					

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/10/2007		Gam Cas			Seeing: r <sub>0</sub> = 10 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.)
3:18		TT	SI 70 K	E1 180 K	W1 200 K	W2 200 K	
3:24 -1:11	570-629	Data.	0.744	1.652	-6.790		
3:29 -1:06	630-689	Shutter	0.749	1.643	-6.772		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/10/2007		37 And.			Seeing: r <sub>0</sub> = 10 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	
3:38.		TT	15K	37K	117K	85K	3ms.
		FE	70	110	100	190	
4:05 -00:30	695-744	Data	0.110	1.499	-5.664		
4:10 -00:24	745-804	Shutter	0.067	1.492	-5.615		B4, FG B4, B1, B2, B3 <u>Sequence</u> changed to avoid zenith hole.
4:19 -00:15	805- <del>850</del> <sup>849</sup>	Data.	-0.023	1.477	-5.502		
4:22	850-897	Shutter					zenith hole, Bad quality



Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/10/2007.		phi per			Seeing: $r_0 = 7-11.$	
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.		
		FE	40.	60	65	50		
		TT	12K	34K	104K	75K.		
4:50 -00:30	<del>898</del> 927	Data.	0.340	1.528	-6.083			
4:53 -00:28	928-987	Shutter						
<del>4:50</del> 4:504 -00:18	988-1047	Data.	0.123	1.414	-5.890			
	1048-1107	Shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/10/2007		16 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.)	
5:20		FE	S1 100 <del>35</del>	E1 100 <del>40</del>	W1 120	W2 100		
		TT						
5:40 -00:49	1108-1167	Data	0.225	1.387	-5.827			
5:43	1168-1227	Shutter						
5:50 -00:37	1228-1267	Data	0.128	1.408	-5.710			
5:54	1268-1307	Shutter					Bright outside	

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/11/2007		Del Cyg			Seeing: r=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.)
		TT	S1 24K	E1 60K	W1 190K	W2 138 K	2ms
		FE	100	200	180	100	
10:42 -00:37	0-23	Data	0.265	1.620	\		3T, No W1,
10:45 -00:34	24-49	Data	0.215	1.643	-5.868		
10:48 -00:31	50-109	Shutter	0.223	1.615	-5.836		
10:56 -00:23	110-139	Data	0.088	1.558	-5.722		
11:11	140-179	shutter					
		FE					
11:19 -00:01	180-229	Data	-0.146	1.414	-5.527		
11:23 -00:04	<del>20</del> <sup>230</sup> -289	shutter	-0.168	1.407	-5.464		

Observers:		UT date:		Object:			Weather:
Cam Settings:		8/11/2007		7 And.			Seeing: $r_0 = 9$ 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.)
1:00		FE	S1 50	E1 60	W1 60	W2 50	
		TT	13K	30K	90K	70K	Exp = 5 ms
1:10	<del>288</del> 290 - 384	Data	0.915	1.576	\		3T , #384 BAD
1:21	385 - 444	Shutter	0.780	1.568	-5.136		
		FE					
1:39	445 - 474	Data	0.623	1.487	-6.297		
-1:08							
1:42	475 - <del>484</del> <sup>534</sup>	Shutter	0.573	1.491	-6.252		
-1:05							
1:50	<del>475</del> <sup>535</sup> - 584	Data	0.467	1.448	-6.149		
-0:56							
1:56	585 - 644	shutter	0.468	1.457	-6.117		
-0:51							

Observers:		UT date:		Object:			Weather:
Cam Settings:				γ Cas.			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.)
		FE	SI 200	E1 500	W1 500	W2 500	
		TT					
3:01 -1:30	646-694	Data	0.868	1.485	-6.812		
3:06 -1:25	695-754	shutter	0.832	1.494	-6.758		
	755-809	data					
3:20 -1:10	810-869	shutter	0.701	1.446	-6.643		

Observers:		UT date:		Object: 37 And.			Weather:
Cam Settings:							Seeing: $r_0 = 9 \text{ cm}$
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.)
		SI	100	E1	W1	W2	
		FE.	100	105	100	110	
		TT	10	25	77	55K	2ms
4:00 -00:30	870-905	Data	0.017	1.141	-5.448		
4:07	906-965	Shutter	-0.002	1.150	-5.393		
4:12 -00:18	966-1015	Data	-0.091	1.164	-5.282		
4:18 -00:12	1016-1075	Shutter	-0.173	1.134	-5.244		Zenith hole !!!

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/11/2007		HR 622 (β Tri)			Seeing: 1.0 = 3-9 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.)	
4:29		TT	SI	E1	W1	W2		
		FE	21K	45K	170K	110K	2ms.	
			200 <del>180</del>	220	250	220		
5:05	1076-1092	Data	-0.072	0.912	-5.479			
5:08 -00:36	1093-1151	Shutter	-0.189	0.931	-5.396			
5:15	<del>1151</del> 1152	Data						
	↓ 1262						Last few files have bad quality Zenith here	
5:27	1263-1293	Shutter					B4, FG, B1, B2, B3, BG.	
							1294-1314 <b>BAD</b> lost star zenith!!	

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/12/2007		Tot 49			Seeing: r <sub>0</sub> = 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.)	
9:20		FE	50	100	60	100	5ms	
		TT	28 K	68 K	180K	140K		
10:40	0-29	Data	0.156	1.587	0.091			
-00:16								
10:49	30-89	shutter						
-00:11								
		FE	70	140				
11:09	90-139	Data	0.100	1.456	-5.785			
+0:08								
11:14	140-199	shutter	-0.140	1.413	-5.710			
00:13								
11:22	200-249	Data	-0.268	1.305	-5.654			
00:21								
11:28	250-309	shutter						
00:27								



Observers:		UT date:		Object:			Weather:
Cam Settings:		8/12/2007		Sig Cyg			Seeing: $r_0 = 8$ 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.)
11:45		FE	S1 30	E1 90	W1 40	W2 40	
		TT					
12:15 -00=33	310-349	Data	0.096	1.520	-5.695		
12:18	350-409	Shutter					
		FE					
12:34 -00=13	B 410-449	Data	0.107	1.467	-5.438		BAD Quality !!! B4, FG, BG, B1, B2, B3
12:38	450-509	Shutter					

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/12/2007		Omi And			Seeing: $\tau_0 = 10-15$ 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.)	
12:47		TT	S1 18k	E1 45k	W1 145k	W2 100k		
		FE	60	60	60	50		
1:09	570-574	Data	0.590	1.449	-6.229		570-574 data Labeled as BG !!!	
1:17	575-632	shutter	575-584					
1:24		FE	55	90	<del>60</del>	60		
1:29 -0:04	633-692	Data	0.436	1.448	-6.089			
1:34 -0:58	693-751	shutter						
1:41 -0:51	752- <del>751</del> 775	Data	0.277	1.418	-5.918			

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/12/2007		37 And			Seeing: $\tau_0 = 10-13$ 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.)	
1:45		TT	51 15K	E1 34	W1 110	W2 80		
		FE	150	120	100	120		
2:10	776-825	Data	10.50	1.246	-5.244			
-2:17								
2:15	826-885	Shutter						
-2:12								
		FE	120	140	100	100		
2:28	887-946	Data.	0.909	1.207	-6.737			
-1:59								
2:34	947-1004	Shutter	0.889	1.207	-6.648			
-1:53								



Observers:		UT date:		Object:			Weather: <i>clear</i>	
Cam Settings:		<i>8/12/2007</i>		<i>UPS And</i>			Seeing: <i>10-15 cm</i>	
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.)	
<i>3:23</i>		<i>FE</i>	<i>S1 <del>100</del></i>	<i>E1</i>	<i>W1</i>	<i>W2</i>		
			<i><del>200</del></i>	<i><del>190</del></i>	<i>110</i>	<i>270</i>		
		<i>TT</i>	<i>4K</i>	<i>10K</i>	<i>30K</i>	<i>24K</i>	<i>3ms</i>	
<i>3:50</i>	<i>1186-1385</i>	<i>Data</i>	<i>0.548</i>	<i>1.264</i>	<i>-6.174</i>			
<i>-1:17</i>								
<i>4:08</i>	<i>1386-1445</i>	<i>Shutter</i>						
<i>-0:59</i>								
		<i>FE</i>	<i>180</i>	<i>190</i>	<i>150</i>			
<i>4:28</i>	<i>1446-1695</i>	<i>Data</i>	<i>0.159</i>	<i>4.238</i>	<i>-5.666</i>			
<i>4:51</i>	<i>1696-1760</i>	<i>Shutter</i>	<i>-0.102</i>	<i>1.172</i>	<i>-5.381</i>			
<i>-00:15</i>								

Observers:		UT date:		Object:			Weather: clear	
Cam Settings:		8/12/2007		Gam Tri (cal)			Seeing: $\tau_0 = 10 - 15$ 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.)	
4:59		TT	4K	10K	32K	25K		
		FE	70	100	70	100	3ms	
5:18	1761-1825	Data	-0.159	<del>0.32</del>	-5.381			
5:21 -00:26	1826-1875	Shutter	0.261	0.944	-5.257		use the BG from later.	
5:29 -00:18	1876-1905	Data	-0.33	—	-5.161	—	3T, NO E1, SI-W1-W2	
		<del>B0</del>						
	1906-1915	B1					Lost star!! zenith.	
	1916-1921	B2						
5:40	1922- <del>1948</del> 1951	BG						

Observers:		UT date:		Object:			Weather: clear, meteors	
Cam Settings:		8/13/2007		Sig Cyg			Seeing: r <sub>0</sub> = 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.)	
10:27		FE	S1 120	E1 100	W1 90	W2 110		
		TT	14K	34K	75K	53K	10ms	
10:54	<del>0-49</del>	data	0.734	1.529	—		S-E1-W2	
	0-36	BAD DATA.					probably Bad data!!! No info from OPEL	
11:00		FE						
11:10 -1:34	37-107	Data	0.596	1.511	-6.587			
	108-158	Shutter					# 157-166 (BAD FG)!!!	
	167-176	FG						
11:27 -1:17	177-236	Data.	0.455	1.480	-6.350			
11:33 -1:12		Shutter						

Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/13/2007		Tau Cyg			Seeing: $\rho_0 = 10 \text{ cm}$	
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.)	
11:40		TT	51 26K	E1 55K	W1 116K	W2 79K	10 m s	
11:50		FE	300	250	220	200		
12:06	297-	Data	\	1.459	-5.649		37, No S1	
12:14	386	Data	-0.441	1.453	-5.517			
12:15 -00:27	387-444	shutter						
		FE						
12:25	445-477	Data					BAD quality, Zenith.	
12:31 -00:10	478-530	shutter						
	531-540	BG					<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">           518 - <del>519</del> 520         </div> BAD FG (w fringes)	



Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/13/2007		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.)	
		FE	S1 120.	E1 90	W1 100	W2 100		
		TT						
1:04 -1:35	541-600	Data	0.816	1.614	—		3T, No W1	
		<del>Data</del>						
1:09	601-660	Shutter	0.756	1.587	-7.368		651-653 <b>BAD FG</b>	
		FE	100				homed W1	
1:24	661-730	Data	0.600	1.584	-6.456			
1:31	731-790	shutter						
		FE						
1:44	791-860	Data.						
	861-920	shutter						



Observers:		UT date:		Object:			Weather:	
Cam Settings:		8/13/2007		UPS And.			Seeing: 10 <sup>12</sup> - 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.)	
2:55		TT	S1	E1	W1	W2	5ms	
		FE	220	250	220	200		
3:17.				1.262	-6.617		clouds !!!	
3:55	1111-1351	Data					cloud are gone	
							3T	
4:21	1352-1420	Data						
4:27. -00=36	1421-1468	Shutter	0.087	1.181	-5.661			
		FE						
4:39	1469-1516	Shutter						
4:48 -00=14	1517-1541	data					Data Quality is getting worse, Zenith hole	
-00=13	1542-1622	data					Quality is getting worse.	
	1623-1702							
5:05.	1703-1750	Shutter.						

