Observers: JDM, MZ	UT date: 07/02/2007	Object: Iot Peg	Weather: Good.
Cam Settings:			Seeing: OK 6-8

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.)
	0-202 Test	data.					Taking Synced data.
2:00		F.E	210	100	80	200	
-1:56.			0.0 ↑	0.0 ↑	-5.475 ↓		
-1:55			0.016	0.576.	-5.871	Ref	
-1:50	203-227	Data	-0.045 ~~0.008~~	0.~~565~~	-5.872		Header Lost contacts w/ server, Obj recorded as: γ Lyr
	228-237 BG	Matrix	10	10	10	10	
		F.E					
2:52 -1:30.	288-320	Data.	+0.272	0.456	-5.608		320 Lost E1
	-337						
2:59 -1:24	~~#~~338-397 BG FG	Matrix					MIRC DAQ: 20070702025752

Observers: JDM, MZ	UT date: 07/08/2007	Object: Zet And	Weather: Good
Cam Settings:			Seeing: good.

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.)
3:15		F-E	500.	800		800	Taking data ~~w/~~ synced.
							W1: Z = 7963 (START).
							7988 18×12 ~~79~~ (220) 8013 30×30 152 7963
4:22 -2:40.			0.0↑	0.0↑	-5.5↓.		E1 metrology is possibly flaky.
4:24 -2:38			0.463.				
4:26 -2:36			0.498				
4:29			0.433.	0.816.	-5.964.		cross fringe E1-W1
4:33 -2:29			~~0.433~~		-6.199		

Observers:		UT date: 07/02/2007		Object: UPs And			Weather: good Seeing: ~~BAD~~ ok
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.)**
4:42.		F-E	90.	60.	110.	170	E1, W1 have bad img quality
4:56 -2:56		Tiptilt	13000	25000	70000	65000.	E1 is almost ~~Negative~~ vignetting
			0 ↑	.3 ↑	-5.8 ↓		
5:02 ~~-2:02~~ -2:50					-6.284		
5:06 -2:46	398 – 408	Data.	1.312	1.613	-6.252.		3-T data.
	408 – 430	Data.					4-T data.
5:10 -2:42	431 – 490	Matrix	1.263	1.606	-6.274		20070702050314 DAQ
	491 – 542	Data.					
5:28	543 – 602 BG FG	Matrix	10	10	10	10.	Sun is rising
	603 – 622	BG					starting to lose B1

Observers: JDM, MZ Cam Settings:		UT date: 07/03/2007 ~~β Lyr~~		Object: β Lyr			Weather: Good Seeing: good.
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.)**
9:46.		F.E.	50-100	60-90	40.	200	
		T.T	7K	14K	44K	33K	1 ms
10:01 -3:01			0↑	0↑	-5.8↓		
10:08 -2:54			1.076	1.681			
-2:46.	1-40.	Data	0.963	1.644			3T- No W1) Spuwer
10:35.	41-100	Matrix	51-60	61-70	71-80	81-90.	20070702 221835 DAQ) CSAS Hel.
~~10:45~~ 10:46		F.E.	200.	70.	40.	300.	check, recording in misc dcs.
10:47 -2:14		Fringes	0.592	1.456.			
10:51	101-125	Data					
10:53	126-150				-6.049		
	151-200	Data	0.479	1.448	-6.010		4-T
	201-260.	Matrix					
		F.E	127	70.	40	200.	

Observers:	UT date: 07/03/2007	Object: β Lyr	Weather:
Cam Settings:			Seeing:

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.)
11:17 -1:44	261-310	Data	0.290	1.404	-5.853		
	311 - 370	Matrix					

Observers:		UT date:		Object:			Weather: good.
Cam Settings:		07/03/2007		γ Lyr			Seeing: good
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.)**
11:38		F.E	130	60.	60	200-300	
-1:26.		TT	9K	18K	60K	48K	1ms
11:48 -1:23			0.049.		-5.626.		
11:53 -1:18				1.262			
11:58 -1:13	371-420.	Data	-0.086	1.291	-5.527		20070702235445 DAQ
	421-480.	Matrix					
							(in DATA SAP. 20070703004726)

Observers: MZ/JDM.	UT date: 07/03/07	Object: 61 Cyg (A)	Weather: Good
Cam Settings:			Seeing: good, !! o o. 5-9cm.

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.)
		TT	2K	3K	12K	9K	2ms.
01:10 AM.		FE.	300.	160	200.	500k.	
-01:05.	481-530	offsets.	0.696.	1.654	-5.03	REF.	lost E1 again 50% ~516
01:22.	531-590.	SHUTTERS.					
-01:54		OFFsets.	0.652	1.636.	-5.99	[illegible]	

Observers: (H)		UT date: 07/03/07.		Object: G1 C (B)			Weather: Clear
Cam Settings:							Seeing: ok.
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.)**
1:30		TT.	1000	1800	6300	4000	2u {
		F.E.	230	80	140	250	
		OFFSETS.	0.389	1.581	-5.76	Ref.	
01:44 -01:31	591 - 5	DATA.	0.27	1.548	-5.676	Ref.	Awesome FAINT.
01:47 - 01:25	6 ~~4~~ - ~~694~~ 700	SHUTTER					
2:00 -01:14	7 ~~04~~ - ~~750~~ ~~673~~ ~~719~~.	DATA.	OFF: 0.129	1.541	-5.575	Ref.	
	750 - 8 ~~00~~	SHUTTER.					

Observers:	UT date:	Object: 61 Cyg A	Weather:
Cam Settings:			Seeing: ok 6-9cm

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.)
02:16.		TT	2000	7600.	12k	8k	2+5
		FE.	250	100	1301-	400	
02:27 -00:54	811-860	OFFSETS	0.016.	-1.6 (?)	-5.394	—	E1 Firing is very weak possibly dead.
02:31	861-920	SHUTTER.	-.052.		-5.324	—	
		offset	-.155	1.468	-5.208		
	921-930	A few DATA Fit,					E1 was only sometimes. there.
							Mirc dg. 20070703024457.

Observers:		UT date: 7/3/0		Object: UPS Peg C2L.			Weather: clear Seeing: BAD-FAN
Cam Settings:							
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.)
02:52		F.E.	140	100	70	350	
		TT_2nS	3000	5000	20k	13k	
3:19 -2:18	931-950.	Data	0.211	0.369	-6.189		3T, then 4T
	951-980	Data.					
	981-985	—					Nothing.
	986-1046	Matrix	0.113	0.282	-6.126		

Observers:		UT date: 07/03/2007		Object: Zet And			Weather:
Cam Settings:							Seeing:
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.)
		F-E	600	200	300	1400.	
-3:05		TT	4 K	6 K	30 K	19 K	
3:56 -3:02			0.905				
4:01 4	1045-1074	Data			-6.761		3T — NO E1
4:07 -2:51			0.762		-6.689		
				~~0.150~~			
-2:48				0.575			
	1082-1141	Matrix					DAQ 20070703041957

Observers:		UT date: 07/03/2007		Object: UPS And			Weather: OK
Cam Settings:							Seeing: BAD
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.)
		TT	4 K	7 K	28 K	19 K	2ms
		FE	100.	30.	70	200	
4:50					-6.514		
4:53 -2:53	1142—1191	Data	1.369	1.665	-6.497		
-2:48	1192—1251	Matrix	1.261	1.695	-6.425		
		FE		20	40		
5:17 -2:31	1252-1301	Data	1.088	1.630	-6.238		BAD seeing, too faint
5:22	1302 —1361	Matrix					getting Bright
	1362—1395	Data					3T, NO W1
							DAQ ~~20070703042057~~
							20070703053244

Observers:		UT date:		Object:			Weather: Clouds
Cam Settings:		07/04/07		β Lyr			Seeing: good
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.)**
		TT	17 K	33 K	125 K	78 K	3ms.
9:32		F-E	150.				Fiber #2 Focus 8440 = 108 8365 = 110.
		Focus		8365 (from ΓΥΥυ)			
		F-E.		110.	100.	300.	
10:20.		F-E	200.	130	140.	300.	
10:27 -2:31		Fringes	0.744		-6.473		
10:28	12-61	Data.					Lost fringe b/c clouds
	62-71 BG	Matrix	72-81	82-91	92-101	102-~~121~~	ALL File # offsets by 1 !!!
	118-127 BG	F-E.	180	120.	100.	240.	
~~1:58~~	11:04 128-177	Data	0.368		-6.080		3T, No E1
11:09 -1:49	178-227	Data.	0.301	1.402	-6.020		4T, Lost E1 sometime.
-1:45			0.252.	1.383	-5.976		Some kind of VIBRATION problem or DELAY
	228-287	Matrix					issue causing CALIBRATOR DISAPPEAR

CHARA–MIRC 4T Page: 1 of:

Observers:		UT date: 07/04/07		Object: β Lyr			Weather: Clouds Seeing: good, r_0 = 10–15
Cam Settings:							
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.)
11:29 -1:37	288 – 337	Data.	0.115	1.38	-5.828		
	338 – 397	Matrix					First 5 Foreground have f fringes.
	398 – 400.	FG →				labeled as DADA, Actually FG.!!!	
	401 – 410.	FG.					

Observers:		UT date: 07/04/07.		Object: γ Lyr			Weather: Clouds Seeing: good, r_0 = 10-27
Cam Settings:							
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.)**
11:57		TT	25 K	50 K	18 K	13 K	
		F.E	200.	100	170	240.	
12:00 -1:04	414 - 463.	Data.	-0.171	1.269	-5.581		
12:08 -00:59	464 - 523	Matrix	-0.24	1.238	-5.534		FG First. 464 - 473 474 - 483 BG
12:17 -00:50	524 - 573	Data					Lost E1 at the End
	574 - 603.	Matrix					5x6.

Observers: JDM/MZ.		UT date: 2009 Jul 04		Object: (3Tec DATA) HD174881			Weather: CLEAR Seeing: GREAT.. 10-20cm
Cam Settings:							
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.)
00:32		FE	120	X	7.3	170	3Tec DATA.
		TT	2k	2.5k	13k	9k	
		SEARCH	.36 ↓ -.8 ↑ +1.13	—	-5.394		
0:44 -00:16	DATA 603-653.	OFF	-0.975		-5.138		3Tec S1-W1-W2.
	SHUTTER 654-707	OFF	-1.026	—	-5.054	REF	+ 10/10/5/10/10/10 DATA
00:56 -00:03	708-758.	DATA.	-1.116		-5.99		Miscseq: 20070704005646
	MIRC SHUTTER 759-789						

Observers: SDM Cam Settings: MZ.		UT date:		Object: 61 Cyg B			Weather: clear Seeing: good 10-15cm
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.)**
		FE	170	130	210	300	
		TT 3M3	2k	3k	18k	12k	
01:42		OFF	0.233	-1.570	-5.605	—	
0 -01:18	795 - 848	DATA.	0.158	1.562	-5.604	—	DATA! 0.
01:56	849 - 903	MAMIX.					
2:09 -2:06	904 - 954	Data	0.09	1.515	-5.520		
	mini-shutter 954 - 983	MAMIX					
02:17.	F.EX problem.						
02:21	mini-shutter 984 - 1013	mini MAMIX.					
	~~DATA~~ 1014 -	DATA.	-.149	-1.46	5.306		some 3TEL DATA. NO E1. L. 1028 ~~ALL TEL~~ LOST E1 2 LUS
	1114 - 1143	mini-SHUTTER.					
							Miscday 20070704010249

Observers:		UT date: 2007 Jul 04		Object: Ups Peg C2L			Weather: Clear Seeing: r_0 = 10-20
Local Time (HA)	**File#**	**Info Type (offset, FG,BG Data, flux,,etc)**	**B1** S1	**B2** E1	**B3** N1	**B4** W2	**Comments (Reference Cart Position, image quality, recent alignment? etc.)**
		F.E.	200	90	110	430	
3:03		TT 3MS	8k	15k	53k	38k	
			0.269				
3:17 -2:15	1144-1192	Data.	0.204	0.395	-6.248		
3:24 -2:09	1193-1252	Matrix	0.147	0.380	-6.173		
3:31 -2:02	1253-1272	Data	0.013	0.332	-6.079		

Observers:		UT date:	Object:				Weather:
Cam Settings:		07/04/2007	Zet And				Seeing: 7-20cm great
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.)
		TT	12K	20K	85K	56K	3ms
3:46		FE	580	350	300	400.	W2 oscillates crazy
3:47 -02:08					-6.887		
3:54			.837		-		
3:55	Fexpcon		750	480	900	1500	
4:03.			.571	.578.			
04:13 -02:41	12861 -1396		.571	.523	-6.54		4 TPC DATA
04:16 -02:37			.516	.503	-6.53		we were periodically moved W2 out of decay range to check E1, S1 fringes.
4:19. -02:36	-1404		.476	.513	-6.49		
04:24 -02:31		20/10/10/10/10/20 SHUTTERS	.406	.443.			
							mircday 20070704102449
							crapped out.
							mircday crashed.

Observers:		UT date: 07/04/2007		Object: Ups And			Weather:
Cam Settings:							Seeing: $r_0 = 11$
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.)
		TT	11	21	82	57	
4:52		F.E	170	140.	300	200.	
	1485–1534	Data	1.312	1.761	-6.525		Starting MIRC DAQ: 20070704043648
5:01	1535–1594	Matrix	1.234	1.700	-6.462		
		F.E					
	1595–1642	Matrix					8×6
	1643–1692	Data					very bright outside.
5:34	1693–1742.	Data					
5:35	1743–1790.	Matrix					Brighter!!! 8×6
5:40							Sun rise.
							DAQ: 20070704053732

Observers: JDM, MZ	UT date: 07/05/07	Object: Vega	Weather: Cloudy
Cam Settings: 700 frames			Seeing: 5-8

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.)
		TT	13	52	70	61 K	w/ ND mask
10:25		F.E.	2500	2300	2800.	3200 ~~5000~~	
10:50			0.595				Flat field
10:51 -1:50	4-53	Data.	0.550	—	-6.078		3T, Nframes = 700 ~~FR=1 20 FG 13 AV~~
	54-63 BG 104-113 FG	Matrix	5	5	5	5	FG = 104-113 !!!
		F.E	~~6000~~	10 000			
			1600	1500.	1200 ~~1000~~	4000.	# frames = 600.
11:30	114-213	Data	0.184	1.749	-5.71		4-T
11:35	214-333.	Matrix	0.153	1.736	-5.669		20x6
1	334-483	Data	0.059	1.730	-5.589		
	484-603.	Shutter.	.023	1.722	-5.54		20x6
2 11:58 -00:39.	FaEX		1700	1200	1500	3200	
12:08 -00:32	604 753	Data	-0.157	1.741	-5.385		Lost W1 from #695

CHARA–MIRC 4T Page: 1 of: Lost E1 from 745

Observers:	UT date:	Object:	Weather: Cloudy
Cam Settings:	07/05/07	Vega	Seeing: 8

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.)
12:19	754 - 783 BG						
-00:22	864 - ~~88~~893 FG	Matrix					

CHARA–MIRC 4T

Page: 2 of:

Observers: JDM MZ.	UT date: 2007 Jul 05.	Object: σ Cyg (CZL)	Weather: ok
Cam Settings:			Seeing: 10cm.

Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1 S1	B2 W1	B3 W1	B4 W2	Comments (Reference Cart Position, image quality, recent alignment? etc.)
00:30		Fib. EX.	50	30	60	130	INCREASING FRAMES. BACK TO 150
		TT/MS	3.3k	6k	22k	16k.	
00:52 -02:26	894 - 943	DATA.	1.014	1.894	-6.429	—	missing 20070700004852
	944 - 1003	MAMIX.	0.957	1.863	-6.358	—	
	1004 - 1053	DATA	0.893	1.816	-6.285	—	missing 20070705010105
	1054-	MAM ✓	0.292	1.784	-6.242	—	0608

CHARA–MIRC 4T Page: 3 of:

Observers:	UT date: 2007 Jul 05	Object: Deneb	Weather:
Cam Settings:			Seeing:

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.)
1:38		F.E	1000	700	1000	~~1500~~ ~~3000~~ 2000	FREEZE 1200
1:47 -00:58	1114 - 1213	Data	0.295	1.925	-5.64		mircdaq = 20070705014633
-00:57	.12 1214 - 1313	SINTICN	0.235	1.888	-5.011	—	
2:05 -00:40	1314 - 1413	Data	0.088	1.776	-5.535		mircdaq 20070705020744
	1414 - 1473	MATRIX	~~.022~~	~~1.764~~			
							(mircdaq_20070705021550)

Observers:	UT date:	Object: TAU CYG.	Weather: windy
Cam Settings:			Seeing: 5-0, 8-12cm to good!

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.)
2:27.		FeX	194	87	140	284.	increased FRZW1 to 1500.
		TT lms	46k	11k	36k	27k	
2:40 -00:39	1474-1573	Data	-0.54	1.534	-5.248		3T & 4T
2:49 -00:35	1524-1573	Data	-0.607	1.577	-5.152		4T
	1574 1633	Matrix					
							miscday_20070705025 11

Observers:		UT date: 07/05		Object:			Weather:
Cam Settings:		Ups ~~And~~ Peg		UPS ~~And~~ peg			Seeing:
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.)
3:05		F.E.	200	120	130	245	
		TT	3 K	5 K	20 K	13 K	
3:16 -2:13	1634 – 1683	Data	0.072	0.510	-6.302		
3:26 -2:01	1684 – 1703	~~Matrix~~ Data	0.004	0.429	-6.156		
3:36.	1704 – 1763	~~Bg~~ Matrix					

CHARA–MIRC 4T

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Observers:		UT date: 07/05/07		Object: Zet And			Weather:
Cam Settings:							Seeing: 6-9
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.)
		TT	4	6	27	20.	1ms
		FE	500	500	400	450.	
3:51 -3:00	1764-1813	Data.	0.835	0.804	-6.893		
3:57 -2:54			0.776	0.789	-6.836		
4:03 -2:48	1814-1873	Matrix	0.672.	0.712	-6.762		20070705040356
		F.E					
4:16	1874-1923	Data	0.499	0.627	-6.560		
	1924-1983.	Matrix					
	1984-2008	Data	0.227	0.509	-6.342		
4:35	2009-2033	Data					

Observers:		UT date: 07/05		Object:			Weather:
Cam Settings:		Ups And		Ups And			Seeing: $r_0 \sim 6-9$
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.)**
4:52		FE	145	150	150	250	
4:55			1.250.	1.842	-6.539		
	2055 - 2080	Data.					3T ~~Useless~~ ~~Not~~ only a few files
		Matrix					Not useful

Observers: JDM, MZ, RMG	UT date: 07/06/2007	Object: β Lyr	Weather: Windy
Cam Settings: Nframes = 1500, NReads = 5			Seeing: 4-7 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.)
9:10.		FE	100	110	120.	330	
		TT	19 K	38K	120 K	90K	3ms
9:31 -3:19				1.72			
9:35 -3:16	0 - 23	Data.	1.315	1.685	-7.077		Seeing So BAD } NO DAQ
	24-98		1.297	1.681	-7.078		
9:50 -3:01	99-158	Matrix	1.189	1.597	-6.986		DaQ started
	159	FE	100	110.	200	300.	
	159-230	Data	0.944	1.483	-6.672		Seeing gets better
10:27 -2:30.	231-290.	Matrix	0.877	1.426	-6.601		
		F.E	120	140	120.	320	
10:33 -2:20.	291-353.	Data	0.769	1.357	-6.436	—	DAQ 20070705 222637
10:48 -2:02	354-413	Matrix					Lost fringes. #348
							20070705 225159

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/06/07		γ Lyr			Seeing: r_0=6-10
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.)
		F-E	130	100	110	350	
11:09 -1:50	412-464	Data	0.448	1.233	-6.105		DAQ 20070705-230809
		TT	24 K	52K	180 K	130 K	3 ms.
11:11 -1:48			0.401	1.214	-6.129		
11:18	465-524	Matrix					
11:27 -1:32	525-584	Data	0.24	1.181	-5.920		
		Matrix					

Observers:		UT date:		Object:			Weather:
Cam Settings:				HD 174881			Seeing:
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.)**
		TT					
		FE	80.		80.	136	
11:53			<0.8	<0.2	-5.54		
12:02					-5.50		

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/06 /07		61 Cyg A			Seeing: r_0 = 7 - 11
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.)
12:15		TT	5K	6K	33K	24K	3ms
		FE	280	150	250	500	
12:29 -2:35	703-756.	Data	1.241	—	-6.604		3T, NO E1
	— 762		1.170	1.625	-6.529		4T
12:37 -2:30	763-802	Data	1.142	1.669	-6.531		4T
12:41 -2:26	803-862	Matrix	1.088	1.618	-6.459		
		FE	200	183	240	400	
12:53	862-902	Data	0.983	1.55	-6.355		3T
			0.890				
1:08 -1:55	933-	Data	0.855	1.478			3T
+1:14	998			1.52	-6.085		too Bad seeing
1:20. -1:46	999-	Matrix	0.683	1.441	-6.117		~~Some~~ a few 4T only

CHARA–MIRC 4T Page: 4 of:

Observers:		UT date: 07/06/07		Object: 61 Cyg B			Weather: clouds, windy Seeing: ~~VERY~~ BAD 3-9 to
Cam Settings:							
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.)
1:47 -1:20	1059-	Data	0.355	1.471	-5.74		
+1:56 -1:10	1088		0.335				BAD data BAD seeing
2:29 -0:40	—	F.E. —	-0.016		-5.34		Lost Files
2:32	1089-		-0.081	—	-5.343		3T, NoE1
2:38	1148			1.397			Some 4T data
2:46	1149-1208	Matrix					

Observers:		UT date: 07/06		Object: Ups peg			Weather: windy
Cam Settings:							Seeing: Bad. 6-8
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.)
3:00		TT					
3:09.		FE	120	110.	90.	250	
3:20.	1211 1285	Data.	0.074	0.192.	-6.153		
3:28. -1:57	1286-1345	Platrix					

Observers:		UT date: 07/06		Object: Zet And			Weather:
Cam Settings:							Seeing: r_0 = 4-6 Bad.
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.)
3:42.		F.E.	400	250	350.	900 ~~600~~	
		TT	11 K	23 K	84 K	56 K	
3:56.			0.823	0.426	-6.739		seeing is better
4:03	1346-1415	Data.	0.742	0.415	-6.666		
	1416-1475	Matrix					DAQ 20070706040932
		F.E	400	400	600.	1100	
4:36. -2:07			0.210	0.193	-6.196.		
4:40	1476-1550	Data	0.248	0.210	-6.153		Seeing Bad
4:46. -2:00	1551-1606.	Matrix	0.233	0.221	-6.141.		fringes in & out

Observers:		UT date: 07/07/2007		Object: β Lyr			Weather: good.
Cam Settings:							Seeing: r_0=7-11 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.)
9:20		FE	100.	80	100	200	
		TT	25K	50K	190K	160K	5ms.
9:39		TT	16K	30K	110K	90K	3ms.
9:45			1.165	1.67	-6.954		
9:50 -2:57	100-174	Data	1.072	1.660	-6.962		
9:59 -2:48	175-234	Matrix					
10:09	235-309	Data.	0.877	1.561	-6.768		
10:17 -2:29	310-369	Matrix	0.791	1.503	-6.636		First 3 FG have fringes.
10:25		FE					
10:31 -2:15	370-440.	Data	0.662	1.443	-6.506.		probe file. Y07-Y09
10:46	441-500	Matrix					

Observers:		UT date: 07/07/2007		Object: HD 17488.			Weather:
Cam Settings:							Seeing:
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.)
10:50.		TT	2 K	3 K	12 K	9.5 K	3ms.
		F-E.	100.	60	80.	160	S1 = 0.59 E1 = 1.4.
~~100~~ 11:02 -1:46	501 – 575	Data	0.132	1.000	-6.155		20070706225911
11:10 -1:38	576-635	Matrix	0.018	0.953	-6.058		
	FeX	~~DA~~					
11:20 -01:20	-01:27	DATA	-0.121	.929	-5.901	—	
	636-710	DATA.					
	711-769	MATRIX	-0.237	.908	-5.81		missing - 20070706233646

Observers:		UT date:		Object:			Weather:
Cam Settings: N fram=1500		07/07/2007		γ Lyr			Seeing: r_0 = 8 – 18 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.)**
11:45		FE	110.	100.	100.	250	
		TT	24	52	170	140.	
11:55			-0.180.	1.193.			
~~11-59~~ -00:54	12:01 772 – 846.	Data.	-0.216.	1.160 ~~1.183~~	-5.579		
12:09	847 – 906.	Matrix					
12:19.	907 – ~~941~~ 937	Data					
	938 – 941						No data

CHARA–MIRC 4T Page: 3 of:

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/07/07.		Sig Cyg.			Seeing: $r_0 = 7-15$
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.)**
		TT	10	21	70	50 K	3ms
		FE	120	80	90	120.	
12:38. -2:34	942.-1016	Data.	1.068.	1.760	-6.615		
12:46	~~102~~ 1017-1061	Matrix	5	5	10	10.	20070707004230
							1052 FG BAD !!
		FE					
12:55		FE	100	70.	60.	100.	
1:02 -2:11	1062-1136.	Data	0.840	1.664	-6.379	—	1093 - ~~1097~~ 1102 BAD.
1:07	1103-1152	Matrix					Lost fringes. having OPEL issues
	1153-1159 FG ~~1160~~					1158-1160 BAD	

Observers:		UT date: 07/07/2007		Object: 61 Cyg B.			Weather:
Cam Settings:							Seeing:
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.)
1:25		TT	27	59	175	120	
		F.E	200	150	120	300 ~~450~~	
1:37			0.365	1.754	-5.982		
1:41 -1:21	1164-1238	Data	0.324	1.722	-5.947		
1:50 -1:13	~~1239~~	Matrix	0.200	1.709	-5.878		
	~~1240~~ 1242-1249	BG					
	1250-1289	Matrix	10	10	10	10.	
	1290-1299 FG						
2:00	———	FE	200.	130.	100.	350.	
2:04 -00:58	1300-~~1334~~ 1368	Data	0.114	1.671	-5.725		1341-1345 BAD
2:13	1369-1428	Matrix					[illegible]

Observers:	UT date:	Object: UPS Peg	Weather: CLEAR.
Cam Settings:			Seeing: ~~0~~ 0k 7.1 U c.

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.)
2:22 p.m.		FEX	156	183	140	200	
		TT. 3nS.	8k	10k	60k	42k.	mirecdaq-20070707022539
2:38 A. - 02:40	1429-1499 1504	DATA OFF	.571	.776	-6.870		
	1500-1559	MAMX	0.48	.786	-6.793		
2:56 - 2:24	1560-1634	Data	0.352	0.677	-6.638		
3:04	1635-1694	MAMX	0.255	0.668	-6.565		
X	(1695-1716)	(Test)	—				

Observers:		UT date: 07/07/2007		Object: Farrington 42H HD 224930.			Weather: Seeing: ~~7-9~~ cm, 7-11 cm
Cam Settings:							
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.)
		F.ex	70	46	60	70	
3:27A - 02:30		JT 3NS.	2.6k.	4.9k	18k	13k.	
3:40. - 2:18	1717-1784	Data.	0.94	1.527	-6.973		
3:46	1785-1844	Matrix	0.807	1.463	-6.859		DAQ 20070703493 2.

B/n ARC7. semi-major axis ~0.7"

CHARA–MIRC 4T Page: 7 of:

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/07/2007		Zet And			Seeing:
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.)**
4:02		TT					
		FE.	400.	500.	350.	400	
4:22.				~~0.674~~	-6.601		
				0.589			
4:31 -2:12	1845-1870	Data.	0.22	0.591	-6.46		Some Header (?)
4:37 -2:05		Data	0.134	0.562	-6.375		1871-1907 BAD data!!!
4:44	1908-1967	Matrix					~~Fou~~ S
		FE			350	750.	
5:02			-0.165				
5:05 -1:38	1968-1995	Data	-0.210.	0.421	-6.037		
	1999-2030	Data	Lost E1				1996-1998 BAD Lost fringes !!!
	2031-~~2034~~ (3T DATA)	(B2 SHUTTER Bucked For a few files)			~~at the~~ from		3T DATA
	2098.					2031-2035	

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/07/2007		Zet 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.)**
5:20.	2099 – 2178	Matrix					

Observers:		UT date: Jul 2007 ~~May~~ 08		Object: Vega			Weather:
Cam Settings: Nframes=600							Seeing: Not GREAT. 4-5"
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.)
9:30AM		Fiber EX	(low) 1500	1700	800	100-200 ~~2000~~	S1 IMAGE QUALITY POOR.
		TT	.41 0.81	1.6 1.82	-5.6. -6.5		1m5 w/ NDFilter
	1-151	DATA	.812	1.81	-6.5		
	152-211	MATRIX					
	212-331	MATRIX.					
10:30 -01:59.	Fiber Explorer	~~DATA~~.	1000-~~2000~~ 1500	1000	1200		STRANGE PSFs.
							mircdaq-20070707224136
~~22~~ 23:00 -01:05	332-531 ~~-01:05~~	DATA	0.412	1.724	-6.13.		3T DATA BAD
			.273	1.66 16Y.	-5.7		~~4T~~ 4T ~~HST~~.
	532 ~~302~~-711	MATRIX.					mircdaq
							mircdaq-20070707233511

Observers:		UT date:		Object: γ ~~Lyr~~ Lyr.			Weather:
Cam Settings: Nframe=1500		2007 Aug 08.					Seeing: 7-10.
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1 S1	B2 E1	B3 W1	B4 N2	Comments (Reference Cart Position, image quality, recent alignment? etc.)
11:40A.		FE	40-50	105	100	150	S1 is low
		TT<3A>.	16k	38k.	130k	165k.	
11:54 -00:57	712-778	Data	-0.193	1.195	-5.631		LOST ⇐ 1 AT SOME POINT.
12:02	779-828	Data	-0.292	1.152	-5.547		
12:07		Matrix					

CHARA–MIRC 4T

Page: 2 of:

Observers:		UT date: 07/08/2007		Object: 61 Cyg A.			Weather:
Cam Settings:							Seeing: 6–13
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.)
12:20.		TT	9	17	60	40.	5 ms.
		FE	180.	250.	~~180~~ 250.	150	
12:36 -2:22.	889 – 915	Data.	0.975.	1.631			3T
12:39 -2:20	916 – 963	Data	0.890	1.641	-6.499		4T, Lost fringes many times.
12:41	964 – 1023	Matrix	0.890	1.634	-6.450		
	—	FE —	200.	250	300	150	
12:58			0.711	1.592			
12:59 -2:00.	1024 – 1098	Data	0.722	1.552	-6.299		
	1099 – 1158	Matrix					

Observers:		UT date:		Object:			Weather: Good
Cam Settings:		07/08/2007		61 Cyg B			Seeing: 7-10
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.)
1:20		TT	3	6	18	13	
		F.E	150	170	150.	150	
1:27 -1:31	1159-1233	Data	0.349	1.536	-5.992		seeing is better.
1:34 -1:24	1234-1293	Matrix	0.303	1.510	-5.908		
		FE	140	~~140~~ 150	180		
1:49 -1:09	1294-1368	Data	0.132	1.480	-5.754		Lost W1 since 1314
1:57 -1:02	1369-1428	Matrix	0.066	1.435	-5.701		DAQ 20070708014742
2:07 -0:51	1429-~~1454~~ 1454	Data	-0.035	1.436	-5.597		
		~~Matrix~~					1455 BAD data.

Observers:		UT date: 07/08/2007		Object: Ups peg.			Weather: Good.
Cam Settings:							Seeing: r_0 = 5-12 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.)
2:45.		TT	9 K	19 K	64 K	48 K	
		FE.	160	100.	200	120.	
2:57 -2:20.	1456—1505	Data.	0.253	0.683	-6.647		
3:07 -2:10.	1506—	Matrix	0.212	0.683	-6.596		20070708 31035.

Observers:		UT date:		Object:			Weather: Good
Cam Settings:		07/08/2007		α And.			Seeing: r_0 = 10
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.)
3:17		TT	70	170	200	200	
		FE.	270	270	200	400	
			~~.609~~	~~1.127~~ ~~0.000~~	~~0.045~~ 1.146	~~-6.750~~	
3:31 -2:29	1566-1640	Data.	0.604	1.127	-6.750	—	
3:38 -2:23	1641-1699	Matrix	0.524	1.093	-6.669	—	
3:47 -2:12	1700-1724	Data	0.436	1.026	-6.542	—	
	1725-1729	Bad Data					

Observers:		UT date: 07/08/2007		Object: Ups And			Weather: Good
Cam Settings:							Seeing: 5-7
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.)
		FE	~~120~~ 150	150	130	120	
4:00 -3:39	1725 30 -1829	DATA	1.574	R.Z 1.708	-6.561	—	
4:04 -3:25			1.577	2.008	-7.291	—	
4:13 -3:15	1830 -1889	Matrix	1.493	2.002	-7.181		
		FE —					
4:30 -2:58.	1890 —	Data	1.284	1.856	-6.942		Some files ~~slow~~ show
	2600 →	~~Sto~~	too bright.				slower recording time.
	2672	Data					
	2673-2722	BG					

CHARA–MIRC 4T Page: 7 of:

Observers: JDM, JB, MZ Cam Settings: 5, 1500.		UT date: 07/09/2007		Object: β Lyr			Weather: good. Seeing: 6–9
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.)**
9:10		TT	17 K	24 K	138 K	100. K	3ms.
		FE.	~~80~~ 50	20	100	100.	Seeing 2–5
~~9:~~10:02		~~FE~~	~~200~~	~~150~~		150	
10:25		F.E.	50	100	100.		
10:30	5–10.	Data.	0.55	1.422	-0.		11–14 Bad.
10:35	15–89	Data.	0.501	1.451	-6.418		
10:42.	90–149	Matrix	0.430	1.43	-6.344		
10:58 -1:40.	150–224	data	0.239	1.366	-6.156.		
11:05	225–~~229~~ 284	Matrix	0.187	1.330	-6.068		#257 only 1409 frames!!
11:16 -1:22	285–344	data	0.090	1.355	-5.975		

Observers: JDM, JB, MZ	UT date: 07/09/2007	Object: γ Lyr	Weather: Clear.
Cam Settings:			Seeing: 20 - 10.

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.)
		~~Data~~ F.E.	140	130.	130.	100.	
		TT	24	40	190	165	
11:41 -1:06	396 - 471	Data.	-0.128	1.253	-5.784		
11:51 -0:56	472 - 531	Matrix	-0.208	1.253	-5.690.		# 503-504 lost some frames
11:59 -0:48	532 - 603	Data	-0.248	1.249	-5.585		
12:09	604 - 663	Matrix	-0.367	1.237	-5.509		

Observers:		UT date: 07/09/2007		Object: 61 Cyg B.			Weather: clear
Cam Settings:							Seeing:
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.)
12:40		FE	140	190	180	200	
		TT	3K	5.6K	19K	13.5K	3ms
12:49 -2:05	664-738	Data	0.635	1.605	-6.375		
12:55	739.-798	MAMIX.	.562	1.545	-6.316		#753 HADGCTCH.
	TWEAK.	FIB. X.	175	170	190	W100-200	→ mircdg_20070709003977 W2 FLUCTUATES LIKE CW77, AM IS LOW.
1:17 -1:38	799-873	Data	0.405	1.530	-6.099		
			0.342	1.513	-6.032		
01:20.	874-933.	MAMIX.					

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/09		61 CygA			Seeing:
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.)**
		F.E	290	250	250	280	
1:42	934 – 1008	Data	0.24	1.514	-5.858		1003 Lost 91 frames.
1:45	1009-1068	Matrix	0.144	1.486	-5.764		
		FE		150	270	100-400	W2 still has wild fluctuations AND PSF is crap.
2:19 00:47	1069-1099	Data	-0.080	1.472 ~~-0.080~~	1.082	-5.509	3-T up to 1099
	1100-1153	Data					4T

Observers: JDM JB MZ, CF	UT date: 07/09/2007	Object: Ups peg	Weather: clear. warm. AHHH...
Cam Settings: 5 reads			Seeing: 7-14cm

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.)
02:30A.		TT 3ms	8.5k	16.7k	64k	47k	3ms
		FE	140	70	180	125/200.	DAQ → TARGET
		OFFSETS	0.257	0.432.	-6.571	—	20070709025116
-02:0	1214-1288	DATA	0.116	.396	-6.448		#1255 lost some frames!
03:00	1289-1348	MATRIX					
	—	ENGINEERING		EXPT		—	
	—	CHANGE	TIP	TILT	TO		7 ms!
	FG BG		-0.080	0.303	-6.312.		
	Fl. ex.						
3:17	TT	TT	2.8k	6.2k	21k	16k.	
	F.E		138	100	200	200	
3:23 -1:39	1349-1374	data	-0.083	0.230	-6.056		
3:37 -1:36.	1375-1434	Matrix					

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Observers:		UT date:		Object:			Weather:
Cam Settings:		07/09/2009		Zet And.			Seeing:
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.)
		TT					
		FE.	800.	500	550	760 – 1000	
			0.42				
4:09 –2:26	1435–1509	Data	0.350	0.478	-6.669		1058 Lost 33 frame
	1510-1569	Matrix	0.261	0.439	-6.565		
		FE	570	533	680	550	
4:31 –2:04	1570–1684	Data	0.046	0.335	-6.358		
4:46 –0:48	1685–1744	Matrix	-0.142	0.270	-6.163		
		FE	700	430	700		
	1745–1800	Data	-0.307	0.234	-5.988		
5:06. -1:28	1801–1819	Data.	-0.391	0.290	-5.904		3T
	1820-1869	Matrix	-.				

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/11/07		UPS peg			Seeing: ~~[illegible]~~ 5-7 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.)
2:35		TT	13	20	107	70 K	
		FE	120	70	130	100	W2 ~~[illegible]~~ oscillate crazily
3:06.			0.020	0.640.			
3:12	~~[illegible]~~ 0	Data	-0.049	0.652.			~~3T~~ 4T
3:13 -1:52.	74	Data.	-0.071	0.658	-6.431		E1 is oscillating.
	75 - 134	Matrix	-0.155	0.596	-6.364		
		FE	170	60	150	100	E2 seeing is very bad!

Observers:		UT date:		Object: Zet And.			Weather: clear
Cam Settings:							Seeing: 7-9
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.)
		7T					W2 oscillates crazy!!!
4:00		FE	300	400	350	380	waiting for delay carts. - having fixed serious problems
4:43			-0.720	0.65	-6.235		
4:51		FE					
	135-153	Data					3T
4:55 -1:32	154-165	Data.	-0.287	0.521	-6.179		4T
	166-209	Data					
5:01 -1:26	210-269	Matrix	-0.357	0.586	-6.110		
5:10 -1:18	270-344	Data	-0.451	0.489	-6.004		
5:16	345-404	Matrix					
							sun bright

Observers: MZ, JB.	UT date: 07/12/2007	Object: β Lyr	Weather: clear
Cam Settings: NReads 5, Afram 15000			Seeing: 10-12 cm. good!!

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.)
9:45		TT	20.1K	45	165K	130K	3ms
		FE.	120.	50 -130	80 150	200.	
10:00 -2:25	0-74	Data.	0.755	1.413	-6.825	—	seeing is good!
10:04 -2:18	75-134	Matrix	0.692	1.370	-6.718	—	
—	—	FE —					Carts oscillating
10:27 ↓			0.427				restarting OPEL
11:00.	—	FE.	80	92.	142.	127	seeing is worse ~~than~~ before
11:08			0.060.				
11:13	135-209	data	0.044	1.090	-5.912	—	
11:21 -1:01	140-269	Matrix	-0.044	1.134	-5.858		#0255 Lost 83 frames!!!
11:33 -0:50	270-327	data	-0.185	1.097	-5.714		
	328-387	Matrix					

Observers:		UT date: 07/12/2007		Object: γ Lyr			Weather:
Cam Settings:							Seeing:
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.)
11:50		TT	23K	48K	189	140.	DAR: 20070711234754
		FE		40			
11:59	388-459	Data	-0.356 ~~Data~~.	~~0.712~~	-5.561		3T, No E1
12:04	460-520	Matrix					

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Observers:		UT date:		Object:			Weather:
Cam Settings:		07/12/2007		61 Cyg A			Seeing: 12-21
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.)
12:16.		TT	48	87	370	261	
		FE.	300				E1: 8375 : 150 8390 : 100
—	—	Focus	—	8370	—	—	—
			300	120	300	300	
12:40 -1:54	520 – 594	Data	0.727	1.386	-6.413		r_0 = 10-21 cm
12:52	595 – 654	Matrix	0.645	1.361	-6.338		
~~12~~ 0:02 -1:37	655 – 729	Data	0.535	1.308	-6.218		
0:08 -1:32	730 – 789	Matrix	0.515	1.298	-6.167		
0:18 -1:21	790 – 839	Data					Lost E1 at last

Observers:		UT date: 07/12/07		Object: Sig Cyg			Weather:
Cam Settings:							Seeing: 7-16
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.)
1:30		TT	9	20	76	54	
		FE	80	30	90	70	
1:54 -0:56	840-889	Data	0.108	1.230	-5.764		
1:59 -0:51	890-949	Matrix	0.084	1.27	-5.74		
2:12 -0:37	950-~~1000~~ 1024	Data	-0.039	1.23	-5.597		993 lost 32 frames
2:21 -0:28	1025-1084	Matrix					DAQ 20070712 022855

Observers:		UT date: 07/12/07		Object: α And			Weather:
Cam Settings:							Seeing: 6-16
Local Time (HA)	File#	Info Type (offset, FG,BG Data, flux,,etc)	B1 S2	B2 E1	B3 W1	B4 W2	Comments (Reference Cart Position, image quality, recent alignment? etc.)
2:30.		TT					
		FE	300.	150	~~100~~ 70	400	
			1.010				
2:54 -2:46	1084 — 1118	Data.	0.919		-7.004		3T
2:54 -2:46	1119 — 1159	Data	0.834	0.696	-6.952		4T
~~3~~ 3:01 -2:39	1160 — 1249	Matrix	0.838	0.716	-6.915		
		FE					
				180 ~~150.~~	150 ~~300~~	300	
3:55		FE	300	150	200	400	
3:59 -1:41	1220 — 1305.	data	0.112	0.458	-6.139		
	1305 — 1364	Matrix					

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/12/07		Zet And			Seeing:
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.)**
	1365-1371 ~~1373~~ BAD		500	220	800	500-800	
4:47 -1:32.	1372-1479	Data	-0.203	-0.05	-0.115		
	— 1484						3T, No E1
4:51 -1:28	1485-1544	Matrix					
5:05	1545-1619	Data.					3T, No S1
5:12.	1620-1679	Matrix	~~-0.102~~	~~-5.734~~			
5:19	1680-1709	Data	-	-0.107	-5.623		
5:25	1710-1739	Matrix					fx6 files

Observers: JB, MZ Cam Settings: NReads = 5 Nframes = 600		UT date: 07/13/07		Object: Vega			Weather: Seeing: 6-12 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.)**
9:30		TT (1ms)	46	51	95	121 K	Luminos mounts are not working AGAIN
		F.E	2300	1500-2200	3000	3000	
10:13 -1:53	0-220.	Data	0.659.	1.678.	-6.523.		Using flat field.
10:22 -1:43.	221-340	Matrix	0.574	1.594	-6.433		~~Notes~~ Good data!!!
							20x6 fives
			-0.548	1.719.			
		F.E					
10:35	341-557	Data.	0.434	1.636	-6.195		
10:50	558-677	Matrix	0.363	1.651	-6.138.		20x6.
10:54 -1:12	678-737	Data	0.323	1.631	-6.025		
10:59 -1:06	738-817	Data.					
11:03 -1:03	818-937	Matrix					
							~~Data~~ Crashed at 11:06!!

Observers:	UT date:	Object:	Weather: clear, wind
Cam Settings:	07/13/07	γ Lyr.	Seeing: 7-13

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.)
11:15		TT	8	19	18	51	1ms
		FE.	150	90	100.	100	astropci crashed; DAQ crashed
11:47.	940. - 958	data	-0.264	1.171	-5.624		3T
11:48	959-979	data	-0.269	1.18	-5.610		4T
11:50.	980-1029	Matrix					
12:10 - 00:17	1030 - 1049	data	-0.472	1.243	-5.380		Zenith hole, can't track.

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/13/07		Iot Peg			Seeing:
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.)
12:16		TT					
		FE.	130	200	150	200	OPEL problem again w/ W1
		FE					W2
							Wasted ~2 hrs due to
							the dam OPEL carts!!!

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Observers:		UT date: 07/13/2007		Object: Sig Cyg.			Weather: Good. Seeing: 9-14
Cam Settings:							
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.)
1:50		TT					
		FE.	70	40	50	70	1
2:06 -00:40	1074-1156	data	0.004	1.360	-5.606		DAQ 20070713020547
	1157-1164						3T only, NO E1
2:15 -00:30.	1165-1224	Matrix	-0.061	1.389	-5.561		

Observers:		UT date:		Object:			Weather:
Cam Settings:		07/13/2007		Omi And – HD 217676 217675			Seeing: 5 – 10
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.)
2:30		TT	5	14	40	32 K	
		FE	70	40	70	50	
					-5.721		
2:47 -1:43	1225—1299	Data	0.672	1.511	-6.256		
2:54 -1:36	1300-1359	Matrix	0.627	1.500	-6.201		
3:02 -1:28	1360—1434	Data	0.560	1.491	-6.099		
3:08 -1:22	1435-1494	Matrix	0.494	1.464	-6.038		

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Observers:		UT date:		Object:			Weather: clear
Cam Settings:		07/13/2007		Zet And			Seeing:
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.)
~~3:25~~		TT					W1 stuck,
3:40.		FE	30???	300	700	500	S1 jumps.
							reboot OPEL
							~~reboot~~ MIRCWood
4:20		F-E	500.	300	500	500	DAQ: 20070713042120
4:35							wrong ~~target~~ on S1 !!!
							what the hell
							E1 ~~to~~ cart is off by 14m.
4:45.							
							E1 out of range,
4:52	1495-1500	Data	-0.362	~~0.08~~	-5.963		3T, no E1
							Tiptilt problems ~~with~~ while
							~~taking~~ ~~tat~~ data !!! — crashed
							spooler error #: 4 ERROR writing
5:13 -1:01	1539-1613	Data	-0.676	~~-5.633~~	-5.633		restarted astropci & ~~to socket~~ spooler
	1614-1673	Matrix	-0.758	—	-5.555		~~E1~~ E1 shutter closed ~~to~~ reduce noise
5:29	1674-1727	Data	-0.92	—	-5.404		#1744 lost frames
5:33	1728-1787	Matrix					