Observers: Kraus, Farrington, Schaefer **UT date:** 2012-07-25 **Object:** δ Lyr = HD 176437 **Weather:** low humidity
Cam settings: COADD 12 **Seeing:** excellent 10-20cm

Local Time / HA	File #	Info type	B1 POP 1	B2 POP 2	B3 POP 1	B4 POP 3	B5 POP 4	B6 POP 5	Comment:
			W1	S2	S1	E1	E2	W2	
			REF	3.92	-0.52				
			REF	3.29	-1.32	-7.56	-5.30	—	
~~22~~:17	mirc ~~000~~4-63	DATA			-2.10	-7.~~80~~	-5.50	—	
22:28	mirc 0064-153	SHUTTERS	REF	+2.40	-2.28	-7.74	-5.48	—	

Observers: Cam settings: ADAPT 12			UT date: 2012-07-25			Object: HD 192985			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:** missing E1
~~23~~:04 / -1:43	mitc0156-255	DATA	REF	3.59	-1.05		-4.15		in the beginning 4T than 5T (after ~190)
	mitc0256-345	SHUTTER	REF	3.36	-1.31	-6.17	-4.24		

Observers: / Cam settings: COADDS:14			UT date: 2012-07-25			Object: Cyg OB2 #9			Weather: / Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
			REF	2.90	-1.67		-4.69	—	
			"	2.89	-1.80	-6.80	-4.75	—	
~~0~~:10			"	2.66	-2.09	-6.78	-4.76	—	
~~0~~:16 -0:53	mirc0629-628	DATA	"	2.51	-2.17	-6.74	-4.75		
	mirc0629-718	SHUTTER		2.32					trying to get more fringes, without success.

Observers: Cam settings: COADD 14			UT date: 2012-07-25			Object: Sig Cyg HD202850			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
			REF		-2.22	-6.98	-4.90	—	
	mitc 0722-821	DATA	REF	2.34	-2.32	-6.98	-4.95	—	
	mitc 0822-911								

Observers: Cam settings: COADD 12			UT date: 2012-07-25			Object: HD 219080 ~~20850~~			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
1:54 ~~+0.00~~			REF		-1.15		-3.83		6T
2:30 -1:19	mirc 0915-973	DATA	REF	3.24	-1.48	-5.85	-4.03	-2.81	
2:	mirc 974-1063	SHUTTER		3.19	-1.55	-5.86	-4.07	-2.86	

Observers: Cam settings:			UT date: 2012-07-25			Object: HD ~~219080~~ 8799			Weather: Seeing:
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
2:55 ~~-0.54~~ -3:02	mitc 1064-1305	DATA	REF	4.085	-0.45		-4.02	-2.67	multiple fringe packages
3:51 -2:13	mitc ~~1064~~ 1306-1335	SHUTTER failed?		3.95	-0.62		-3.85	-2.71	
	mitc 1336-1425	SHUTTER successful							

Observers: Cam settings: COADD 12			UT date: 2012-07-25			Object: HD 3360			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
4:14 / -1:00	mirc 1426 - 1548	DATA	REF	3.09	-1.72	-5.24	-3.63	-2.75	
				first few frames: all except W2 gone					E1
				then also E1 gone					E1 recovered
				then S1 out of delay					
	mirc 1549 -	SHUTTER		W2 is still out.					

Observers: Kraus, PJ Cam settings: COADD 14			UT date: 2012-07-26			Object: HD166230			Weather: Good Seeing: 10-20cm
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
9:23 -1:46			+3.62	+5.18	+0.7		-3.17	REF	
			+3.69	+4.90	+0.38		-3.14	REF	
10:06 -1:04	misc0000-59	DATA	+3.79	+4.61	+0.01	-5.43	-3.02	REF	
	misc0060-149	SHUTTER	+3.82	+4.54	-0.07	-5.39	-3.01	REF	

Observers: Cam settings:			UT date: 2012-07-26			Object: FF Aql HD176155			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
10:	~~mirc0150-~~			+4.76	-0.02				
10:55 / -0:15	mirc 0150 – 269	DATA	+3.88	+4.57	-0.05	-5.66	-3.17	REF	recorded double number DATA frames
11:11 / 0:00	mirc0270 – 359	SHUTTER	+3.92	+4.37	-0.29	-5.48	-3.06	REF	(E1 was lost briefly during first sequence)

Observers: **Cam settings:**			**UT date:** 2012-07-26			**Object:** HD182807			**Weather:** **Seeing:**
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
			+3.72	+4.47	-0.05			REF	
11:47 -0:10	mirc 0360-0419	DATA	+3.72	+4.37	-0.16	-4.67	-2.55	REF	
	mirc 0420-479	SHUTTER	+3.75	+4.29	-0.26	-4.63	-2.55	REF	~~more~~ FOREGROUND (=40) since faint object.
		~~DX~~ spooler crashed, have to repeat							
	mirc 0480-589	SHUTTER							

Observers: Cam settings:			UT date: 2012-07-26			Object: T Vul (=HD198726)			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
			+3.49	+4.85		-4.82	-2.67	REF	
12:41 / -0:43	mirc0590-649	DATA	+3.53	+4.84	+0.38	-4.75	-2.61	REF	
12:47 / -0:37	mirc0650-739	SHUTTER	+3.56	+4.77	+0.32	-4.71	-2.59	REF	

Observers: **Cam settings:**			**UT date:** 2012-07-26			**Object:** HD 192518			**Weather:** **Seeing:**
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
1:07 -0:16			+3.74	+3.97	-0.75		-2.06	REF	
1:23 +0:00	mirc0740-799	DATA	+3.74	+3.93	-0.78	-3.83	-1.97	REF	
	mirc 0800-	SHUTTER	+3.74	+3.87	-0.88	-3.77	-1.92	REF	

Observers: Cam settings:			UT date: 2012-07-26			Object: HD 198726 T Vul			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
				-3.93	-0.77		-2.01	REF	
2:10 / +0:45	mirc 0890 – 0949	DATA	+3.76	+3.83	-0.93	-3.79	-1.93	REF	
	mirc 0950–989	SHUTTER	failed						
	mirc 0990-	SHUTTER	repeat						

Observers: Cam settings:			UT date: 2012-07-26			Object: HD 205852			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
2:55 / 0:45	mirc 1080 - 1199	DATA 4T (no E1, W1)	—	3.62	-1.15	—	-2.4	REF	lost delay for E1 and W1
	mirc 1200-	SHUTTER							

Observers: Cam settings:			UT date: 2012-07-26			Object: HD 204153			Weather: Seeing:
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
			REF					~~REF~~	W1 oscillates
									W2 out of delay ~~BST~~
	mitc 1290 – 1373	DATA							okay (4T)
	mitc 1374 – 1403	SHUTTER							S1-S2-E1-E2

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Observers: Kraus, PJ. (remotely: Xiao)	UT date: 2012-07-27	Object: HD164507	Weather: Seeing: 10-15cm

Local Time / HA	File #	Info type	B1 POP 2 W1	B2 POP 5 S2	B3 POP 4 S1	B4 POP 1 E1	B5 POP 2 E2	B6 POP 5 W2	Comment:
21:50 / -0:46				+6.20	+1.52			REF	
			~~+0.47~~	+6.10	+1.88			REF	

Observers: Cam settings:			UT date: 2012-07-27			Object: HD 177756			Weather: Seeing:
Local Time / **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
11:00 / -0:36	mitc 0000-0060	~~DATA~~	+0.45	+6.09	+1.56			REF	4T
11:40 / +0:04	mitc 0060-119	~~DATA~~	+0.45	+6.16	+1.59	~~+6.28~~	+2.31	REF	(5T)
	mitc 0120-209	SHUTTER	+0.48	+6.17	+1.60	~~+6.28~~	+2.31	REF	

Observers: **Cam settings:**			**UT date:** 2012-07-27			**Object:** =#D183344 UAql			**Weather:** **Seeing:**
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
12:05 0:07	misc0210-269	DATA	+0.51	+6.14	+1.63	–	+2.33	REF	
	misc0270-	SHUTTER	+0.52	+6.16	+1.64 ~~+1.~~	–	+2.36	REF	

Observers: Cam settings:			UT date: 2012-07-27			Object: HD185124			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
0:38 / +0:31	mirc 0360–419	DATA	+0.49	+6.25	+1.64	–	+2.38	REF	
	mirc 0420–509	SHUTTER							

Observers: Cam settings:			UT date: 2012-07-27			Object: U Aql			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
1:03	mitc 0570 - 69	DATA	+0.69	+6.27	+1.77	—	—	REF	4T
	mitc 0570 659	SHUTTER							

Observers: Cam settings:			UT date: 2012-07-27			Object: HD 198001			Weather: Seeing: 5cm
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
	mirc 0660-0719	DATA	+0.59	+6.14	+1.68	–	+2.35	ZET	(ST)
1:37 +0:20	mirc 0720-809	SHUTTER							

Observers: Cam settings:			UT date: 2012-07-27			Object: HD200577			Weather: Seeing:	
Local Time / HA	File #	Info type	B1 POP 3 W1	B2 POP 2 S2	B3 POP 1 S1	B4 POP 1 E1	B5 POP 2 E2	B6 POP 5 W2	Comment: new POPS	
			—	+6.96	+2.15	+2.19	+2.70	REF	W1 oscillating	
	mirc 810 – 869	⟲	DATA	+7.00	+2.12	+2.18	+2.69	REF		
2:55	mirc 870 – 959	⟵	SHUTTER						5T	

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Observers: Cam settings:			UT date: 2012-07-27			Object: =HD 203156 V1334 Cyg			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
3:25 / 1:38	mirc 0960 – 1019	DATA	—	+7.00	+2.08	+2.14	+2.68	REF	ST
	mirc 1020 – 1069	SHUTTER	crashed						W1 oscillating
	mirc 1070 – 1159	SHUTTER	repeated.						

Observers: Cam settings:			UT date: 2012-07-27			Object: HD203156			Weather: Seeing:
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
4:03 +2:15	nirc 1160–1219	DATA	—	+6.93	+2.17	+2.26	+2.72	REF	ST
	nirc 1220–1239	SHUTTER		got stuck					W1 oscillating
4:28	nirc 1260–	SHUTTER		repeated					

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Observers: Cam settings:			UT date: 2012-07-27			Object: V1334 Cyg			Weather: Seeing:
Local Time / HA	File #	Info type	B1 W1	B2 S2	B3 S1	B4 E1	B5 E2	B6 W2	Comment:
4:40 / 2:52	mirc 1330–1389	DATA	—	+6.96	+2.02	—	+2.62	RET	
4:47	mirc 1390–	SHUTTER	—	+6.97	+2.05	—	+2.63	RET2	4T

Observers: Kraus, PJ			UT date: 2012-07-28			Object: HD 181615			Weather: Seeing:
Cam settings:									
Local Time / **HA**	**File #**	**Info type**	**B1** POP 2 W1	**B2** POP 5 S2	**B3** POP 5 S1	**B4** POP 3 E1	**B5** POP 1 E2	**B6** POP 5 W2	**Comment:**
			+ 0.96 ~~+1.00~~	+5.87		—	+2.44	REF	
-0:55			+0.95	+5.84		—	+2.45	REF	

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Observers: Cam settings:			UT date: 2012-07-28			Object: HD 205726			Weather: just pistons! Seeing:
Local Time **HA**	**File #**	**Info type**	**B1** W1	**B2** S2	**B3** S1	**B4** E1	**B5** E2	**B6** W2	**Comment:**
			+0.55	+6.76	—	+2.09	+2.14	REF	ST
0:10 −1:45	mirc 0000 - 178	DATA	+0.53	+6.74	—	+2.07	+2.14	REF	
0:21	mirc 0179 - 229	SHUTTER	+0.62		—	+2.07	+2.14	REF	Can hardly track fringes on calibrator.
									Crapy data
									due to crappy conditions