OCM2

DAY 2 Day 7 june (158) John		Theme: basic detector checks and calibrations		
Seq	**Local time**	**Activity**	**Comment**	
Bias158 1-2	06:15	Readnoise template		
Bias158 3-12	06:20	Bias template		
Flat158 1	06:25	Lifetest template	Counts ~ 30000	
Flat158 2-6	06:30	u dome flats	Counts ~ 30000	
Flat158 7-11	06:45	g dome flats	Counts ~ 45000	
Flat158 12-16	06:50	r dome flats	Counts ~ 50000 (a bit high)	
Flat158 17-21	06:55	i dome flats	Counts ~ 50000 (a bit high)	
Flat158 22-26	07:00	z dome flats	Counts ~ 50000 (a bit high)	
Flat158 27-31	07:05	B_JOHN dome flats	Counts ~ 40000	
Flat158 32-36	07:10	V_JOHN dome flats	Counts ~ 50000 (a bit high)	
Flat158 37-41	07:15	v_STRM dome flats	Counts ~ 50000 (a bit high)	

Flat158 42-46	07:25	H_ALPHA dome flats	Counts ~ 40000	
Dark158 1-3	07:30	Dark template		
Flat158 47-66	09:05	Gain template		
Flat158 67	09:20	Lifetest template		
Flat158 68-78	18:20	Sky flat in g (90, 0, -90, -180) for the 4-angle test	Only 4 of these are usable for the test: 90: flat158_0069 (DATE_OBS=2011-06-07T22:21:57) 0: flat158_0072 (DATE_OBS=2011-06-07T22:24:38) -90: flat158_0076 (DATE_OBS=2011-06-07T22:30:33) -180: flat158_0078 (DATE_OBS=2011-06-07T22:32:55)	
Flat158 79	18:35	Sky flat in i	Too little flux. DO NOT USE!	

NIGHT 2 **Night 7/8 June (158/159)** **John**		**Theme: secondary standards on SA107, linearity+ on SA113** **conditions: mostly clear, a little windy, moderate seeing giving way to good seeing and lots of high cirrus becoming denser through the night**		
Seq	**Local time**	**Activity**	**Comment**	
Obs158 90	19:15	Pre-focus exposure in r 7 sec	Move to polar field	
Focus158 10	19:15	Focus sequence in r 7 sec		
Std158 25-28 std159 1-2	19:45	Monit in key+z and ugri	Seeing ~ 1-1.5	
Obs159 1	20:15	Pre-focus exposure in r 7 sec	Move to SA107	
Focus159 1	20:15	Focus sequence in r 7 sec		
Obs159 2-34	20:25	32 CCD offset sequence in r 75 sec	Seeing ~ 1.0 Later exposures have trefoil PSF. **Please check if this is a problem with photometry**. Will try to adapt to this during sequence (perhaps onecal every 15-30 minutes). There appears to have been some high cirrus clouds.	
Obs159 35	21:35	Stare,N=1 in r 75 sec	Testing if 1-cal gets rid of trefoil. onecal helps, but is not the best.	
Obs159 36-68	21:45	32 CCD offset sequence in i 115 sec	-Will try to pause every 8 exposures to apply onecal to prevent trefoil.	

			-onecal during readout of obs159_0047. **Please check PSF quality here** (there is a satellite track in the before and after exposure). -onecal seems to have slightly defocused the telescope. Will continue to suffer the trefoil until we can figure a better work-around. -Clouds getting thicker. -During readout of obs159_0059 focus was set back to optimal (onecal changed it). It helped! -The idea now is to do a onecal+set focus value during readout whenever trefoil gets too bad.	
Obs159 69-79	23:15	32 CCD offset sequence in z 75 sec	-more high cirrus, getting thicker -using SETPC command to reenable anti-trefoil algorithm after new preset -error during exposure obs159_0080(?) (PULPO again?); shutter remains open. DCSCOO failure. Appears to be the same error as before.	
			The same PULPO error that occurred yesterday with the VST people recurred tonight. Combined with the lack of knowledge on Paranal to fix it in any reasonable amount of time and the on and off cloudy conditions, it was decided to end the night.	

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