

DAY 3		Theme:		
Day 01 may (121)				
Ewout/John/Koen				
Seq	Local time	Activity	Comment	
Flat121 1-5	7:44	Dome flats u' (100s)	First exposures of morning	
			Error ICS: filter change to g_SDSS failed	
Flat121 6-10	8:00	Dome flat g' (1.5s)	Again successful template followed by filter carriage error	
Flat121 11-15	8:10	Dome flat r' (0.4s)	Bernard tried with "STOP" for next template in BOB. Start that and again error.	
Flat121 16-20	8:20	Dome flat i' (0.4s)	In ICS Control highlight "filt". Then Devices → Off → Standby → Online to restart (allow time for status to change)	
Flat121 21-25	8:30	Dome flat z' (2.0s)		
Flat121 26-45	8:42	Gain z'	!! somehow all exposure times are 0.2s !!	
Bias121 4-5	9:09	Readnoise	-- problems with filter carriage persist --	
Bias121 6-15	9:11	Bias	Olaf & Christoph walked into the dome during roughly the last bias, and turned on the lights.	
			Now both the lamp and filter carriage generate errors. Problem was with stabilized power supply.	

			Andrea has restarted the Instrument Control Software	
Flat121 46	10:00?	Quick check, r' (0.5s)		
	16:00	Daily meeting in control room	<ul style="list-style-type: none"> -filter issue caused by a bug that likely surfaced due to the change to VLT2010 -TCS communication issue not looked at -discussion to keep VLT2010 or roll back to VLT2008: Andrea will investigate the TCS issue and decide more later if necessary -vacuum problem was a valve that opened incorrectly -intermediate FIERA filter setting test no earlier than tonight -placement of fiber sometime soon, but not known -cable rerouting today as well -task timing coordination of obs, shims, etc. -archiving issue being looked at 	

NIGHT 3		Theme: image quality, tilt check, astrometry of mosaic/guide CCDs		
Night 01/02 may (121/122) Ewout/John/Koen		conditions: clear		
Seq	Local time	Activity	Comment	
Flat121 47-52	20:20	Several sky flats in r 0.5 sec	Mainly for testing	
Flat122 1-3	21:00	Several sky flat in r 0.5 sec	Mainly for testing	
obs122 1-2	21:35	Positioning exposures in r 7 sec		
Focus122 1	21:45	Focus sequence in r 7 sec	Not getting the best focus	
Obs122 3	21:50	Pre-focus exposure in r 7 sec		
Focus122 2	21:50	Focus sequence in r 7 sec	Focus went the wron way	
Obs122 4	22:00	Pre-focus exposure in r 7 sec		
Focus122 3	22:00	Focus sequence in r 7 sec	Looks like a best focus is in the sequence, but is near one end of the sequence (0.815)	
Obs122 5	22:15	Pre-focus exposre in r 7 sec	90 deg rotator angle	
Focus122 4	22:15	Focus sequence in r 7 sec	90 deg rotator angle	

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Obs122 6	22:20	Pre-focus exposure in r 7 sec	0 deg rotator angle	
Focus122 5	22:20	Focus sequence in r 7 sec	0 deg rotator angle	
Obs122 7	22:25	Pre-focus exposure in r 7 sec	-90 deg rotator angle	
Focus122 6	22:25	Focus sequence in r 7 sec	-90 deg rotator angle	
Obs122 8	22:30	Pre-focus exposure in r 7 sec	-180 deg rotator angle	
Focus122 7	22:30	Focus sequence in r 7 sec	-180 deg rotator angle	
Obs122 9-10	22:40	2 object exposures in r taken by mistake 7 sec	No purpose	
Obs122 11	22:45	Repeat above focus sequences with rotator angles in reverse order 7 sec	-180 deg rotator angle	
Focus122 8	22:45	Focus sequence in r 7 sec	-180 deg rotator angle	
Obs122 12	22:50	Pre-focus exposure in r 7 sec	-90 deg rotator angle	
Focus122 9	22:50	Focus sequence in r 7 sec	-90 deg rotator angle	
Obs122 13	23:00	Pre-focus exposure in r 7 sec	0 deg rotator angle	
Focus122 10	23:00	Focus sequence in r 7 sec	0 deg rotator angle	
Obs122 14	23:10	Pre-focus exposure in r7 sec	90 deg rotator angle	

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Focus122 11	23:10	Focus sequence in r 7 sec	90 deg rotator angle	
		Koen's tilt determination	The sign was wrong!	
Obs122 15	23:15	Test of standard focus sequence	Testing functionality of MIDAS procedure	
Focus122 12	23:15	Test of sky flat procedure 7 sec	Testing automated determination of exposure times	
Focus122 12	23:20	Test of standard focus sequence 7 sec		
Flat122 4-5	23:25	Test of sky flat procedure 0.5 sec		
Obs122 16	23:35	Test of standard focus sequence 7 sec		
Focus122 13	23:35	Test of focus 7 sec		
Std122 1	00:15	Sa104 in u 115 sec	Time for PR shots and testing of new FIERA filter settings	
Std122 2	00:20	Sa104 in g 60 sec		
Std122 3	00:25	Sa104 in r 75 sec		
Std122 4	00:30	Sa104 in z 115 sec		
Std122 5	00:35	Sa104 in i 115 sec		
Std122 6	00:40	Sa104 in ugri 80 sec		

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Obs122 17-21	00:45	Omega Cen in g 60 sec	First 3 exposures were out of focus	
Obs122 22	01:20	Pre-focus exposure in g 7 sec		
Focus122 14	01:20	Focus sequence in g 7 sec	0.82	
Obs122 23-27	01:30	Omega Cen in g 60 sec	Only 2 of 5 were in focus previously	
Obs122 28-32	01:45	Omega Cen in r 60 sec		
Obs122 33-37	01:55	Omega Cen in i 60 sec		
Obs122 38	02:20	Pre-focus exposure in i 7 sec		
Focus122 15	02:20	Focus sequence in i 7 sec	0.83	
Obs122 39-43	02:25	M17 in i 60 sec	No telescope keywords (RA, DEC, CRVALn, etc.) since the standard fields	
Obs122 44	02:40	M17 in i (1 sec)	Test telescope values in header fixed by cycling on/offline	
Obs122 45-49	03:00	M17 in r 60 sec		
Obs122 50-54	03:10	M17 in g 60 sec		
Obs122 55-59	03:30	M17 in g 180 sec	3 times longer integration. Noted that CCDs 87 and 88 do not saturate at 65535, but closer to 63000. These and CCDs 85 and 86 all show a lower level of bias.	

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Obs122 60-64	03:50	M17 in r 180 sec	There is a bright magnitude 5.6 star that traverses between CCDs 83 and 91 giving an excellent opportunity to investigate where the reflections are coming from. 11 distinct reflections have been noted, the largest and most prominent being from the CCD surface.	
Obs122 65-69	04:15	M17 in i 180 sec		
Obs122 70	04:40	Pre-focus exposure in r 7 sec		
Focus122 16	04:40	Focus sequence in r 7 sec	0.825	
Obs122 71-75	04:50	Hercules0 in r 180 sec		
Obs122 76-80	05:10	Hercules0 in g 180 sec		
Obs122 81-85	05:30	Hercules in i 180 sec		
Obs122 86-90	05:55	SA110 in g 60 sec	First attempt at offsetting. Offsetting is relative, not absolute	
Obs122 91-95	06:15	SA110 in g 60 sec	Offset in Dec to test cross talk affected regions	
Std122 7	06:35	Polar field in ugri 100 sec		
Obs122 96	06:50	SMC in g 200 sec	Just for fun	
Obs122 97	06:55	SMC in r 200 sec		