

DAY 9		Theme:		
Day 7 May (127) Bernard				
Seq	Local time	Activity	Comment	
Flat127 1-6	7:25	Twilight flat r'		
Flat127 7-9	7:43	Twilight flat composite	Aborted, but nice! Requested exposure level in template is 40000ADU. This is for a sample CCD in the i' quadrant. Exposure levels: <ul style="list-style-type: none"> - u': 5000 ADU - g': 50000 ADU - r': 40000 ADU - i': 30000 ADU 	
Flat127 10	7:59	Quick check		
Flat127 11	8:03	Dome flat u'	Mirror petals closed?	
Flat127 12-16	8:06	Dome flats u'		
Flat127 17-21	8:29	Dome flats g'		
Flat127 22-26	8:37	Dome flats r'		
Flat127 27-31	8:45	Dome flats i'		
Flat127 32-36	8:53	Dome flats z'		

Flat127 37-39	9:02	Dome flats composite	N=3? This was wrong in the template. Now fixed. Useless regardless (1.0s exposure, now changed to 0.8s in template): <ul style="list-style-type: none"> - u': 500 ADU - g': 16000 ADU - r': saturated - i': 60000 ADU 	
Flat127 40-44	9:07	Dome flats Johnson B		
Flat127 45-49	9:12	Dome flats Johnson V		
Flat127 50-54	9:24	Dome flats Stromgren v		
Flat127 55	9:37	Dome flat H alpha	Testing exposure time	
Flat127 56	9:40	Dome flat H alpha	Testing exposure time	
Flat127 57	9:42	Dome flat H alpha	Testing exposure time	
Flat127 58	9:44	Dome flat H alpha	Testing exposure time	
Flat127 59-62	9:46	Dome flats H alpha	N=4? Exposure time of 7 seconds is good.	
Flat127 63-66	9:53	Shuttertest (z')		
Flat127 67	10:01	Quick check		
Bias127 1-2	10:03	Read noise		

<p>Bias127 3-12</p>	<p>10:07</p>	<p>Bias</p>		
	<p>16:00</p>	<p>Meeting (John notes)</p>	<p>Edwin -PR and offset images after guiding -good tests of new offset template -no unexpected reflections were observed -tests of full process of readout and merge: 48 minutes for 33 exposures -need faster disks or better drivers for IWS -for now, swap back old disks -Ewout: data handling server is filling up, what can be done? Andrea -looked at auto guiding loop, and it appears to be a problem with telescope control -image analysis testing, able to choose stars, but not analyze properly -testing of software handling of alarms -want to get guide CCDs images at various rotator angles -proposal from Koen to test use of IA CCDs for focus Bernard -want to test reflections outside fields Olaf -PULPO problems this morning -new cables are ready tomorrow, will see when they can be replaced -crosstalk limited to only the group 93-96 -Dietrich: minor cross talk in other CCDs in extreme cases</p>	

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			<p>-problem getting dewar filled (Thomas will manage) Stefan -lamps MUST be able to be controlled remotely Bernard -calibrations done this morning, is all okay? -focus offsets w.r.t. r band for H-alpha and v-STROM (tonight) Andrea -test ADC Sunday with Pietro here Dietrich -noticed unusual bias structures in 77 and 69 -noticed a line-to-line effect in some flat images ~>50000 counts Ewout -need to do readout EMC tests Stefan -can test OBs from other surveys if possible</p>	
	17:00	OmegaCEN meeting	<p>Edwin -(JPM) table for FIERA filtering settings timing -(JPM) table of observations for final FIERA setting, types of observations of flat and STD in specific filters -(ERD) guide CCD solution -(EMH) easy file recipes (w/JPM)</p>	

Calibrations since final configuration (>16:00 on 05 May)		
Type	Filter	Date (dome/sky)
readnoise	N/A	07-05
bias	N/A	07-05
dark	N/A	none
flat	u_g_r_i_SDSS	none/05-05
flat	u_SDSS	07-05/05-05
flat	g_SDSS	07-05/06-05
flat	r_SDSS	07-05/07-05
flat	i_SDSS	07-05/06-05
flat	z_SDSS	07-05/06-05
flat	B_JOHN	07-05/none
flat	V_JOHN	07-05/none
flat	v_STRM	07-05/none
flat	H_ALPHA	07-05/none
zeropoint	u_g_r_i_SDSS	07-05
zeropoint	u_SDSS	07-05

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zeropoint	g_SDSS	07-05
zeropoint	r_SDSS	07-05
zeropoint	i_SDSS	07-05
zeropoint	z_SDSS	07-05
zeropoint	B_JOHN	none
zeropoint	V_JOHN	none
zeropoint	v_STRM	none
zeropoint	H_ALPHA	none

NIGHT 9		Theme: guiding/image analysis coding, creating/testing templates, offsetting conditions: partly cloudy with scattered minor showers, clearing somewhat late		
Night 7/8 May (127128) John/Edwin/Ewout				
Seq	Local time	Activity	Comment	
			<i>All domes closed most of night. Time changes to CST (UT-4hrs) at 03:00.</i>	

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Bias128 1-5	02:45	Non-standard bias template (n=5)	To clear residual charge	
Dark128 1-3	02:55	Dark template 1800 sec	<i>Local time shifts</i>	
Std128 1-6	04:05	SA110 photometry	u now set to 300 sec, z now set to 75 sec BoB appeared to hang at the end of the OB. Loading a new one allowed us to continue.	
Obs128 1-11	04:45	Bright star offsetting (1.9 mag star)	Testing edge reflection. CCDs 89-92 appear to have a slightly higher background with the bright star at the edge. offDEC: -1750, 10*(-30)	
Obs128 12-15	05:05	Bright star offsetting (1.9 mag star)	offRA: 225 offDEC: -30, -30	
Obs128 16-26	05:15	Bright star offsetting (1.9 mag star)	The spike is visible 90 arcsec from edge of field offRA: 225 offDEC: -1800, 10*(-30)	