

<b>DAY 9</b>		<b>Theme:</b>		
<b>Day 7 May (127) Bernard</b>				
<b>Seq</b>	<b>Local time</b>	<b>Activity</b>	<b>Comment</b>	
<b>Flat127 1-6</b>	7:25	Twilight flat r'		
<b>Flat127 7-9</b>	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"> <li>- u': 5000 ADU</li> <li>- g': 50000 ADU</li> <li>- r': 40000 ADU</li> <li>- i': 30000 ADU</li> </ul>	
<b>Flat127 10</b>	7:59	Quick check		
<b>Flat127 11</b>	8:03	Dome flat u'	Mirror petals closed?	
<b>Flat127 12-16</b>	8:06	Dome flats u'		
<b>Flat127 17-21</b>	8:29	Dome flats g'		
<b>Flat127 22-26</b>	8:37	Dome flats r'		
<b>Flat127 27-31</b>	8:45	Dome flats i'		
<b>Flat127 32-36</b>	8:53	Dome flats z'		

<b>Flat127 37-39</b>	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"> <li>- u': 500 ADU</li> <li>- g': 16000 ADU</li> <li>- r': saturated</li> <li>- i': 60000 ADU</li> </ul>	
<b>Flat127 40-44</b>	9:07	Dome flats Johnson B		
<b>Flat127 45-49</b>	9:12	Dome flats Johnson V		
<b>Flat127 50-54</b>	9:24	Dome flats Stromgren v		
<b>Flat127 55</b>	9:37	Dome flat H alpha	Testing exposure time	
<b>Flat127 56</b>	9:40	Dome flat H alpha	Testing exposure time	
<b>Flat127 57</b>	9:42	Dome flat H alpha	Testing exposure time	
<b>Flat127 58</b>	9:44	Dome flat H alpha	Testing exposure time	
<b>Flat127 59-62</b>	9:46	Dome flats H alpha	N=4? Exposure time of 7 seconds is good.	
<b>Flat127 63-66</b>	9:53	Shuttertest (z')		
<b>Flat127 67</b>	10:01	Quick check		
<b>Bias127 1-2</b>	10:03	Read noise		

<p><b>Bias127 3-12</b></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 ~&gt;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>	

<b>Calibrations since final configuration (&gt;16:00 on 05 May)</b>		
<b>Type</b>	<b>Filter</b>	<b>Date (dome/sky)</b>
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

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

<b>Bias128 1-5</b>	02:45	Non-standard bias template (n=5)	To clear residual charge	
<b>Dark128 1-3</b>	02:55	Dark template 1800 sec		
<b>Std128 1-6</b>	05:05	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.	
<b>Obs128 1-11</b>		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)	
<b>Obs128 12-15</b>		Bright star offsetting (1.9 mag star)	offRA: 225 offDEC: -30, -30	
<b>Obs128 16-26</b>		Bright star offsetting (1.9 mag star)	The spike is visible 90 arcsec from edge of field offRA: 225 offDEC: -1800, 10*(-30)	