

<b>DAY 10</b>		<b>Theme: dome flats</b>		
<b>Day 8 may (128) Bernard</b>				
<b>Seq</b>	<b>Local time</b>	<b>Activity</b>	<b>Comment</b>	
			<i>Chili went to winter time. Clock 1 hr back. No twilight flats due to dome closed/clouds.</i>	
<b>Flat128 1-3</b>	06:09	Dome flats u'	Mirror petals closed? Aborted during 3rd exposure.	
<b>Flat128 4-8</b>	06:19	Dome flats u'		
<b>Flat128 9-13</b>	06:40	Dome flats g'		
<b>Flat 128 14-18</b>	06:48	Dome flats r'		
<b>Flat128 19-23</b>	06:56	Dome flats i'		
<b>Flat128 24-28</b>	07:04	Dome flats z'		
<b>Flat128 29-33</b>	07:13	Dome flats composite	0.8s. u', g', r', OK. u' underexposed. Maybe we should take a separate set at 200s? Light leaks towards u' quadrant may dominate that.	
<b>Flat128 34-38</b>	07:21	Dome flats B		
<b>Flat128 39-43</b>	07:29	Dome flats V		
<b>Flat128 44-48</b>	07:39	Dome flats Stromgren v		

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<b>Flat128 49-53</b>	07:51	Dome flats H alpha		
<b>Flat128 54</b>	08:01	Dome flat opaque	120s: light tightness. Shows again (as before taping off after shimming) light leak pattern in right row of CCDs of ~15 ADU.	
<b>Flat128 55-58</b>	08:06	Shutter Check (z')		
<b>Bias128 6-7</b>	08:12	Read noise	Probably with lights on (intentionally)	
<b>Bias128 8-17</b>	08:15	Bias	Probably with lights on (intentionally)	
<b>Flat128 59</b>	08:33	Quick Check		
<b>Bias128 18-19</b>	08:40	Read noise		
<b>Bias128 20-29</b>	08:42	Bias		
	16:00	Meeting	<p>Andrea</p> <ul style="list-style-type: none"> <li>-lamp tests, 18 cycles, all good, then #17 and #18 failed</li> <li>-delays of getting status to ICS causing delayed merging, notify Bernard</li> <li>-alarm monitoring, needs more checking</li> <li>-decide to stay with newer large disks, performance appears the same</li> </ul> <p>Dietrich</p> <ul style="list-style-type: none"> <li>-need way to feed status images to Andrea from the IWS</li> <li>-IT person and Stefan take up as possible</li> <li>-brighter CCD background for 4 CCDs</li> <li>-OCM2 planning proposal to Bernard</li> </ul> <p>Ewout</p>	



<b>Calibrations since final configuration (&gt;16:00 on 05 May)</b>			
<b>Type</b>	<b>Filter</b>	<b>Date (first dome)</b>	<b>Date (first sky)</b>
readnoise	N/A	07-05	N/A
bias	N/A	07-05	N/A
dark	N/A	08-05	N/A
flat	u_g_r_i_SDSS	none with high counts in u	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	N/A	07/05

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zeropoint	u_SDSS	N/A	07/05
zeropoint	g_SDSS	N/A	07/05
zeropoint	r_SDSS	N/A	07/05
zeropoint	i_SDSS	N/A	07/05
zeropoint	z_SDSS	N/A	07/05
zeropoint	B_JOHN	N/A	none
zeropoint	V_JOHN	N/A	none
zeropoint	v_STRM	N/A	none
zeropoint	H_ALPHA	N/A	none

<b>NIGHT 10</b>		<b>Theme: image analysis coding, u sensitivity, photometry per chip, ADC testing</b>		
<b>Night 8/9 May (128/129) John/Edwin/Ewout</b>		<b>conditions: partly cloudy, clearing</b>		
<b>Seq</b>	<b>Local time</b>	<b>Activity</b>	<b>Comment</b>	
<b>Bias128 30-45</b>	19:10	Non-template biases	Testing EMC: readout with dome moving	
	19:30	AUX CCD exposures at 4 rotator angles	Andrea testing guide/image analysis CCDs. NOT IN ARCHIVE!	
<b>Acq129 1-11</b>	20:10	Image analysis testing	No DPR TYPE!	
<b>Obs129 1-2</b>	21:15	Stare template in r 900 sec	Image analysis testing	
<b>Std129 1-6</b>	23:30	Polar field in ugri	ADC in. Needed correction of (E27", N7") ADC out later	
	00:20	Guide CCD acquisition in r 60 sec on polar field	ADC in, out of focus (ocmag.24.fits) NOT IN ARCHIVE	
<b>Obs129 3</b>	00:30	Pre-focus exposure in r 7 sec	For Koen's test. Started at 0.75	
<b>Focus129 1</b>	00:30	Focus sequence in r 7 sec	Should be around 0.70	
<b>Obs129 4</b>	00:40	Pre-focus exposure in r 7 sec	Started at 0.71	
<b>Focus129 2</b>	00:40	Focus sequence in r 7 sec	Focus 0.68	
	00:45	Koen's test: Image analysis CCD acquisition in r 30 sec on polar field	(ocmia.128.fits) NOT IN ARCHIVE	

## OCAM 1B

<b>Obs129 5-9</b>	01:05	Hercules 2 in u 1500 sec	Seeing 1.2"	
<b>Obs129 10-14</b>	01:35	Hercules 2 in u 1500 sec		
<b>Obs129 15-18</b>	02:15	Hercules 5 in g 900 sec	Aborted in the 4 <sup>th</sup> exposure due to image quality. Do not use this image!	
<b>Obs129 19</b>	02:35	Pre-focus exposure in g 1 sec		
<b>Focus129 3</b>	02:35	Focus sequence in g 1 sec		
<b>Obs129 20-24</b>	02:45	Hercules 5 in g 1500 sec	These and many previous images show a triangular shaped PSF indicating that M1 has spontaneously lost its shape somewhat.	
<b>Obs129 25</b>	03:15	Hercules 5 in r	Aborted after first exposure. AO correction initiated	
<b>Obs129 26-30</b>	03:30	Hercules 5 in r 1500 sec	Image 07:35:42 shows a reflection from a visual double of mag 5.1 and 6.4 at 16:08+17:03. Also in 06:51:19, 06:57:03, 07:16:44, 07:29:55, 07:31:41, 07:47:24, 07:53:10, and likely other exposures of the same field.	
<b>Obs129 30-34</b>	04:00	Hercules 5 in i 1500 sec		
<b>Obs129 35-66</b>	04:40	SA110 photom per CCD in g 60 sec		

