OSURC Nightlog 20220628 UT

Observer*: Jenny Power
Lead Partner Observer*: Don Terndrup
Telescope Operator: Steve Allanson
*** = from home**

Plan:

If weather is better than predicted we will start with the Nova program with pepsi

Summary:

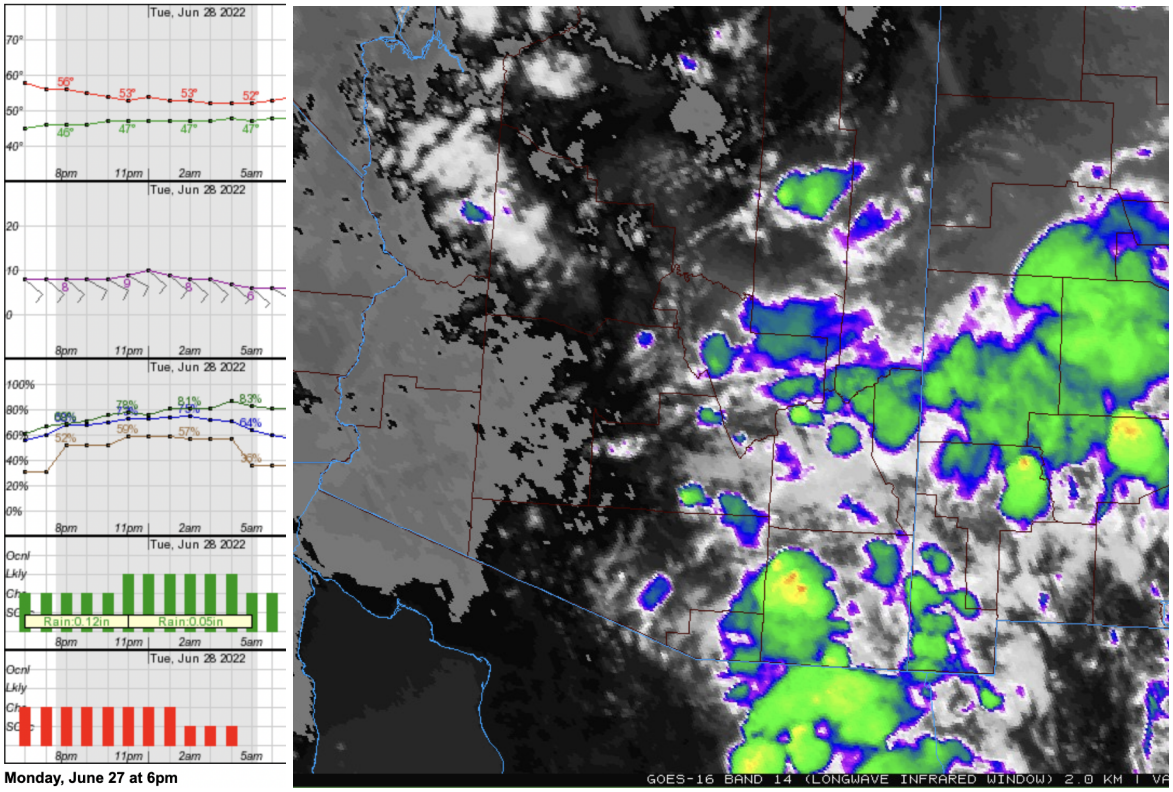
Weathered out all night. Heavy cloud cover. No precipitation actually hit the summit tonight. Executed calibrations

Issues:

No technical issues.

Weather:

Weather forecast is for 60% chance of showers tonight, cloudy. Monsoon is in full force on the summit.



Monday, June 27 at 6pm

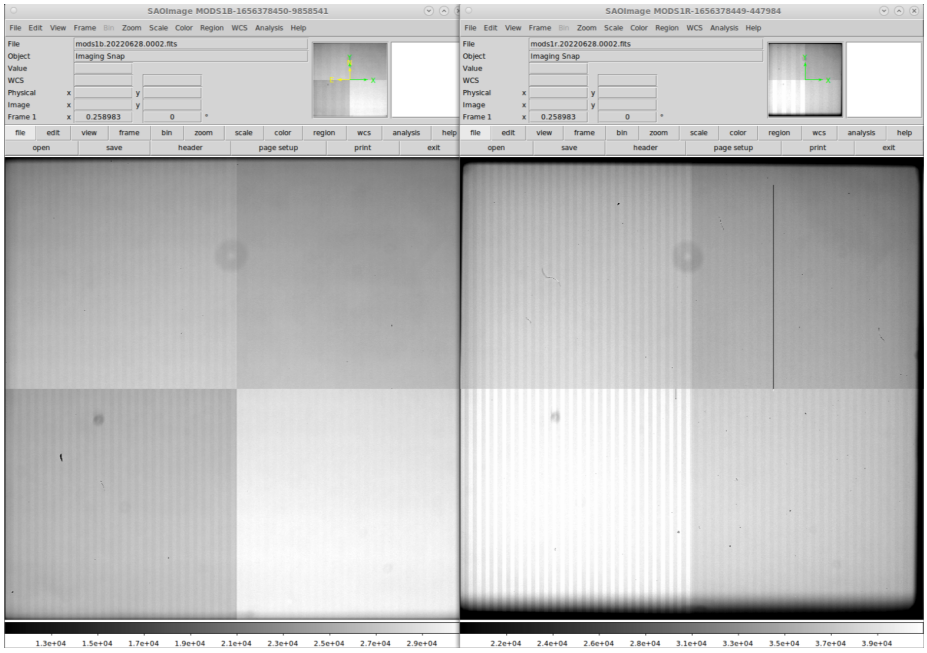
Satellite image from 1 hour before sunset.

Overview (times are given in UT):

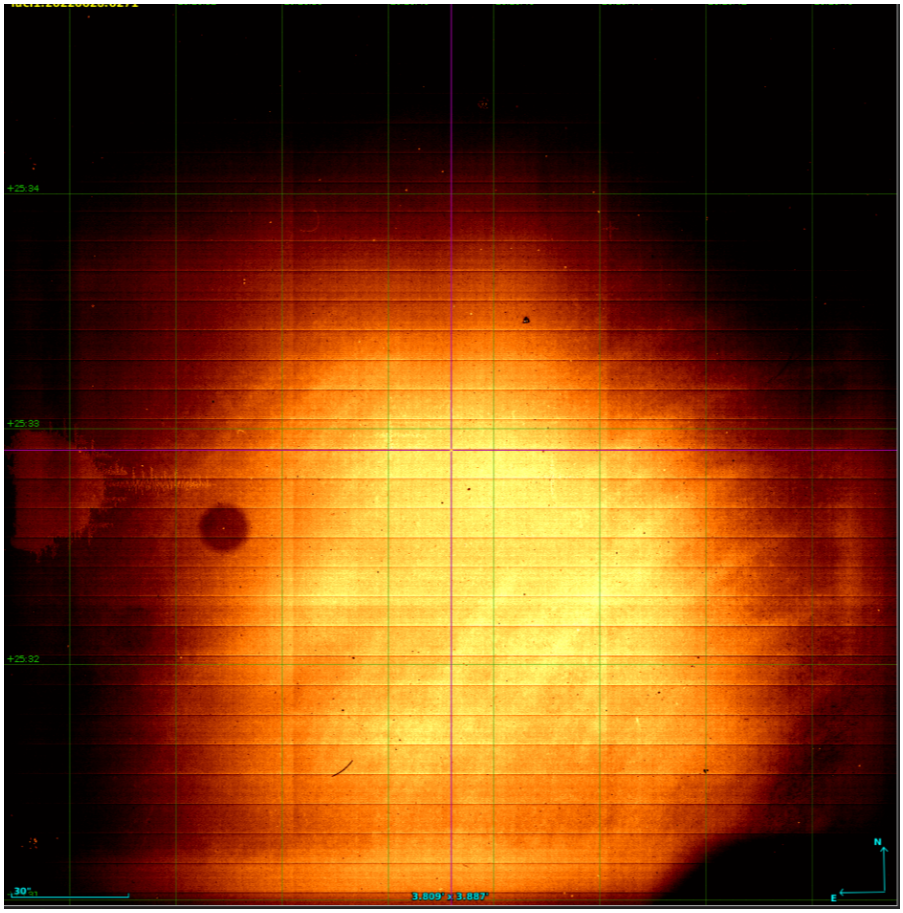
1:10 MODSs awake and checked out. LUCI's checked out and test darks taken (images luci#.20220628.0108-112).

2:21 Executing simSnap, then starting some mods calibrations. Steve has sent his closed email. No precipitation at the moment but complete overcast and precipitation nearby.

MODS1 debris: the spot that at the top center is from the dichroic (it appears in the dual mode images that are displayed in the top row of the attached image, but in neither of the direct-mode images in the bottom row). The other spot in the lower left is consistent with coming from debris on the field lens. The spot on the dichroic is stable and will not be removed until SSD and a proper procedure is procured.



LUCI1: This spot has been there a while. It is located on the inside of the entrance window and is slated to be addressed as part of SSD2022.



MODS Calibrations. Cals are 1x1 binning unless stated otherwise.

Calibration	mods1	mods2
OSU_IDF_MODS_ULMODS1.cal OSU_IDF_MODS_ULMODS2.cal	mods1b/r.20220628.0003-11	mods2b/r.20220628.0003-11
Slitless flats: OSU_IDF_MODS_SlitlessFlat4MODS1.cal OSU_IDF_MODS_SlitlessFlat4MODS2.cal	mods1b.20220628.0012-21 mods1r.20220628.0012-16	mods2b.20220628.0012-21 mods2r.20220628.0012-16
8Kx3K biases OSU_IDF_MODS_Bias.cal	mods1b.20220628.0022-26 mods1r.20220628.0017-21	mods1b.20220628.0022-26 mods1r.20220628.0017-21
Following scripts have been generated using the OT LBT-MODS-Library-v10.24		
Dual grating 1” long slit flats	mods1b.20220628.0027-32 mods1r.20220628.0022-27	mods2b.20220628.0027-32 mods2r.20220628.0022-27
Dual grating 5” flats	mods1b.20220628.0033-38 mods1r.20220628.0028-30	mods2b.20220628.0033-38 mods2r.20220628.0028-30
Dual Grating Arcs	mods1b.20220628.0039-41 mods1r.20220628.0031-33	mods2b.20220628.0039-41 mods2r.20220628.0031-33
Dual Grating Arcs Bin1x2	mods1b.20220628.0042-44 mods1r.20220628.0034-36 An arc line saturated in red but already at lowest exposure time of 0.5s. Most lines look good.	mods2b.20220628.0042-44 mods2r.20220628.0034-36 An arc line saturated in red but already at lowest exposure time of 0.5s. Most lines look good.
Dual grating 0.8” long slit flats bin 1x2	mods1b.20220628.0045-50 mods1r.20220628.0037-42 NOTE:Mods1b.0048-50 on the bright side ~31K Rerunning with adjusted exposure times: mods1b.20220628.0051-56 mods1r.20220628.0043-48	mods2b.20220628.0045-50 mods2r.20220628.0037-42 NOTE:mods2r.20220628.0037-39* counts too high, ~40K Rerunning with adjusted exposure times: mods2b.20220628.0051-56 mods2r.20220628.0043-48
8Kx3K Bias bin 1x2	mods1b.20220628.0057-61 mods1r.20220628.0049-53	mods2b.20220628.0057-61 mods2r.20220628.0049-53
All Biases bin 1x1 8Kx3K 4Kx3K 3Kx3K 1Kx1K	mods1b.20220628.0062-81 mods1r.20220628.0054-73	mods2b.20220628.0062-81 mods2r.20220628.0054-73

Dual grating 1.2” long slit flats	mods1b.20220628.0082-87 mods1r.20220628.0074-79	mods2b.20220628.0082-87 mods2r.20220628.0074-79

LUCI Calibrations

Calibration	LUCI1	LUCI2
UM_SNHenry Darks Dark_n3_75.xml: Dark_n1_80.xml:	 5x1x2.5 LIR NORM Luci1.20220628.0113-117 5x3x20 LIR INT Luci1.20220628.0118-122 5x1x180 MER INT Luci1.20220628.0123-127 11x1x150 MER NORM Luci1.20220628.0128-138 11x5x5.0 LIR INT Luci1.20220628.0139-149 11x5x3.0 LIR INT Luci1.20220628.0150-160 11x5x12.0 LIR INT Luci1.20220628.0161-171	 5x1x2.5 LIR NORM Luci2.20220628.0113-117 5x3x20 LIR INT Luci2.20220628.0118-122 5x1x200 MER INT Luci2.20220628.0123-127 11x1x150 MER NORM Luci2.20220628.0128-138 5x5x5.0 LIR INT Luci2.20220628.0139-143 10x12x5 LIR INT Luci2.20220628.0144-153
UVa_nirjets_AO Darks G58_77_darks.xml	5x20x2.5 LIR INT Luci1.20220628.0172-176 11x6x10.0 LIR INT Luci1.20220628.0177-181	5x20x2.5 LIR INT Luci2.20220628.0154-158 11x6x10.0 LIR INT Luci2.20220628.0159-163
UVa_BCD_LUCI Darks.xml	10x5x9.0 LIR INT Luci1.20220628.0182-191 10x1x240 MER INT Luci1.20220628.0192-201 10x4x15.0 LIR INT Luci1.20220628.0202-211	10x5x9.0 LIR INT Luci2.20220628.0164-173 10x1x240 MER INT Luci2.20220628.0174-183 10x4x15.0 LIR INT Luci2.20220628.0184-193
UVa_nirjets G025_40_darks.xml	5x20x2.5 LIR INT Luci1.20220628.0212-216 11x6x10.0 LIR INT Luci1.20220628.0217-221	5x20x2.5 LIR INT Luci2.20220628.0194-198 11x6x10.0 LIR INT Luci2.20220628.0199-203
Verified field stop alignment for flats and arcs		
UVa_nirjets_AO Imaging Flats ● N30 H2 ● N30 BrGam ● N30 Ks	 Luci1.20220628.0225-234 Luci1.20220628.0235-244 Luci1.20220628.0245-254	
UM_SNHenry Cals		

• N375 z Flats • N375 J Flats • N1.8 G200@1.2 zJspec	Luci1.20220628.0255-264 Luci1.20220628.0265-274 NOTE Half of the calibration script is set up with the zJspec at 1.2 and the other half at J@1.25 which is out of range for the G200. Corrected script Luci1.20220628.0275-292	Luci2.20220628.0208-217 Luci2.20220628.0218-227 NOTE Half of the calibration script is set up with the zJspec at 1.2 and the other half at J@1.25 which is out of range for the G200. Corrected script Luci2.20220628.0228-245