THE LUNASCAN PROJECT - MOONWATCH - TEAM REPORT
APRIL 12, 2011

TARGET: **SECTION 31**   **COPERNICUS**

MISSION PLAN:
Shakedown and plan for official scanning sessions. Test use of Converter Module. Test use CMOS camera with binocular eyepiece holder.

Camera 1   finder
Camera 2   CCD
Camera 3   vma graphics
Camera 4   internal

Insert Moonrise & Set Data sheet
Insert VMA graphic

CAMERAS:

* Finder: 51611, 3,5-8mm TV/ gbc-400

* HPS Unit 1: CCD, GBC-200 (charge coupled device)
OPTICS
Celestron, 8" 2032 mm / 26 mm plossyl in adjustable T-C adaptor; aperture video DVR1 Sony

* HPS Unit 2:
CMOS/LPI (Meade Lunar Planetary Imager / complementary metal oxide semiconductor)
OPTICS
Celestron, 8" 2032 mm/ prime focus equiv 6 mm, (90x (w/Barlow 150x)
VGA resolution (640x480) color CMOS chip
30 fps
Digital to Analog Converter 1; TEP-100 Elite Pro II, aperture DVD2

CONFIG
Celestron C-8, diagonal, no hand control, 9 vdc battery on drive

REPORT NOTES
Sky conditions: cloudy/partly cloudy
Temp: 40 degrees
Two hour routine scan
BOS approx 8:00 PM
Diagonal reversed image so not needed
Sky conditions not perfect but CCD camera pumped up produced fair image of Copernicus

REPORT

Time		
19-53-00	bos cam2	nr copernicus
20-01-01	on-target cam2	maxpwr
20-01-15	copernicus	vhps
20-58-22	vma computer	
20-58-30	copernicus	vhps
20-59-57	copernicus	vhps
21-06-17	copernicus	scan
21-14-39	cam off	chg lens
21-16-58	cam on	minpwr
21-18-01	copernicus	hps
21-18-30	nr terminator	
21-19-05	copernicus	hps
21-28-12	eratos hps	
21-50-46	finder vlps	
22-01-00	eos	

Phase One: The analog GBC 200 camera on the C-8 produced very bright images but some attempt to create rough baffling improved the imaging quite well. First images utilized the T-C adaptor fully extended and some of the best images of Copernicus were obtained so far. Later the T-C was retracted and the images were also good after baffling.

Phase Two: The digital LPI camera would not function so digital imaging was not obtained. This was later determined to be a computer problem which has since been rectified.

All images were "reversed". This will be corrected on the next session.