

# THE LUNASCAN PROJECT - MOONWATCH - TEAM REPORT OCTOBER 4, 2011

TARGETS:                      SECTIONS 44,55                      ALPHONSUS

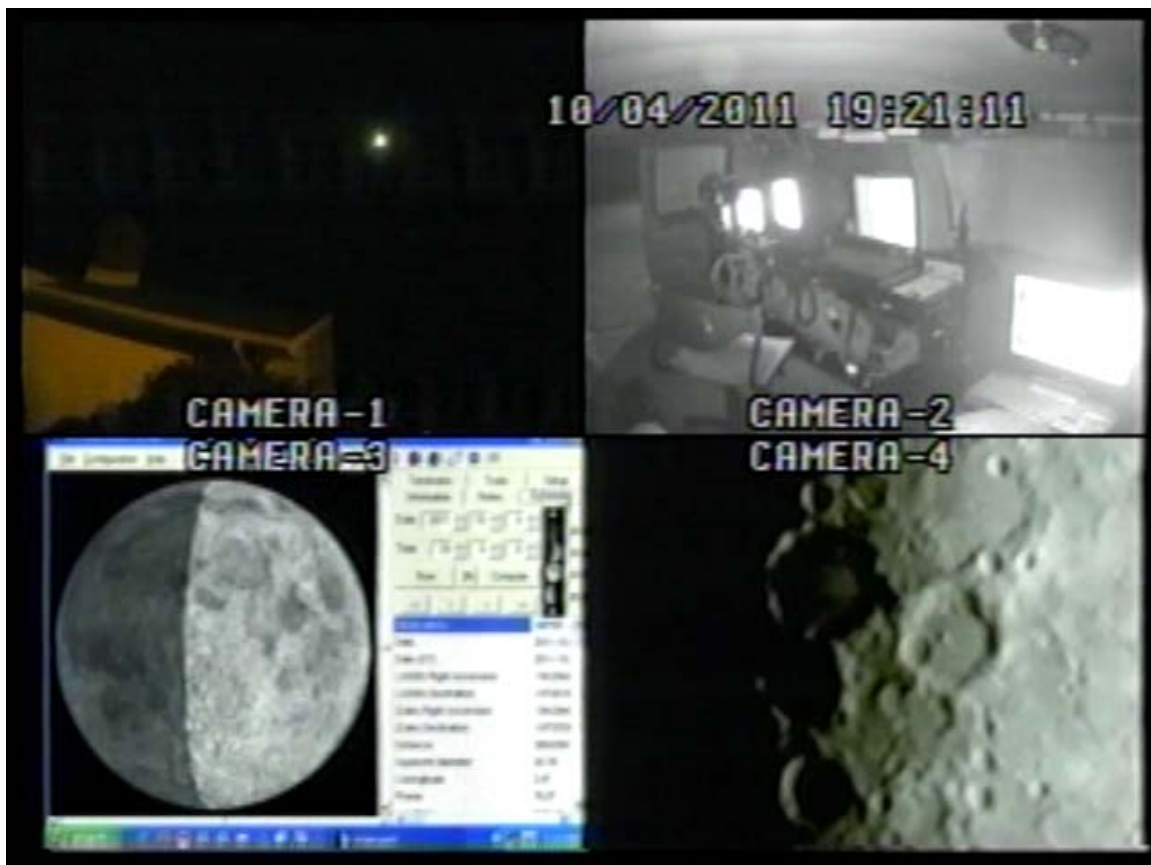
## MISSION PLAN:

Routine scans of terminator, Ptolemaeus, Alphonsus & Arzachel. Better imaging of planet Jupiter.

<http://www.astrosurf.com/lunascan/044dir.htm>

<http://www.astrosurf.com/lunascan/055dir.htm>

- Camera 1    mini finder switchable to CCD camera
- Camera 2    Internal
- Camera 3    Skyglobe graphics
- Camera 4    CMOS/SSI / VMA graphics





#### CAMERAS:

##### CAMERA ONE POSITION ON QUAD

\* Finder: mini cam

##### CAMERA TWO POSITION

\* Internal camera

##### CAMERA THREE POSITION

SKYGLOBE graphics

Digital to Analog Converter 2; TEP-100 Elite Pro II, aperture video VHS2

## CAMERA FOUR POSITION

\* HPS Unit 3:

CMOS/SSI Camera, (Celestron Neximage Solar System Imager / complementary metal oxide semiconductor)

OPTICS, prime focus. FOV= 400 NM, range 600 NM simulated (239,00/400x).

Celestron, 8" 2032 mm (SSI equiv 5 mm, w/Barlow 150x)

Resolution at lunar range =  $0.5/0.68 = 2160$ : 0.23 mi or 1214'

VGA resolution (640x480) color 1/4" CMOS chip

30 fps

Compression 1420

Digital to Analog Converter 1; TEP-100 Elite Pro, aperture video DVR2

Switchable to

\* VMA (Virtual Moon Atlas) graphics

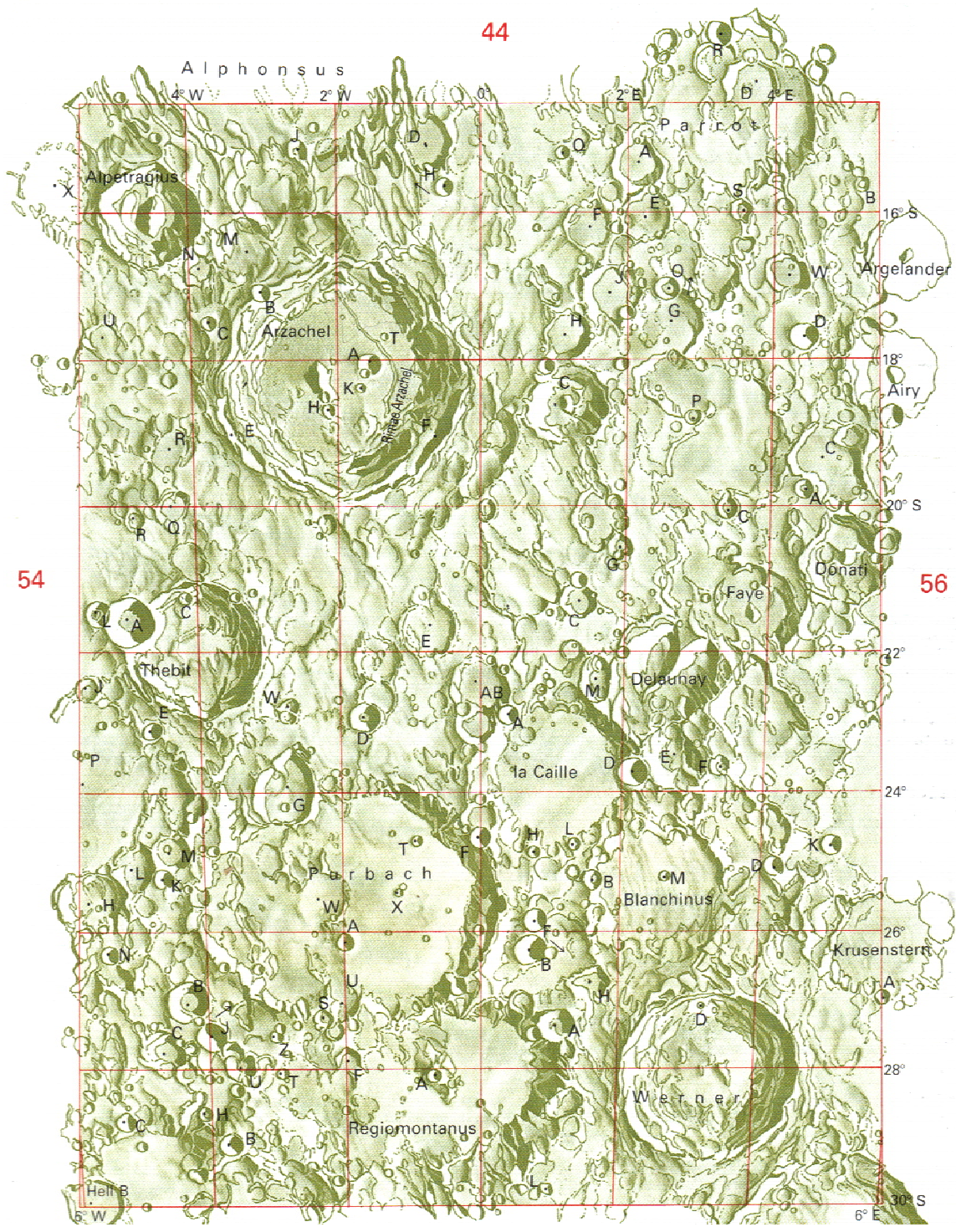
## CONFIG

Celestron C-8, no diagonal, hand control, battery eliminator on drive









**REPORT NOTES**

Analysis pending  
 Recordings on

VHS1 Quad  
VHS2 Not used on CMOS  
DVR1  
DVR2

Imaging on Camera 4 was good  
WWV signal on DVR2 was in & out

BOS 2100  
Finder power was off until plugged in, scope drive had been on battery. No finder on until 7:15 PM.  
Tuned in WWV

At EOS datatapes were reloaded, baffle removed from aperture for shot at Jupiter.



Frame-grabbed images  
<http://www.astrosurf.com/lunascan/sessions/20111004/>

10/02/2011 21:16:37

CAMERA-1  
CAMERA-3

CAMERA-2  
CAMERA-4

