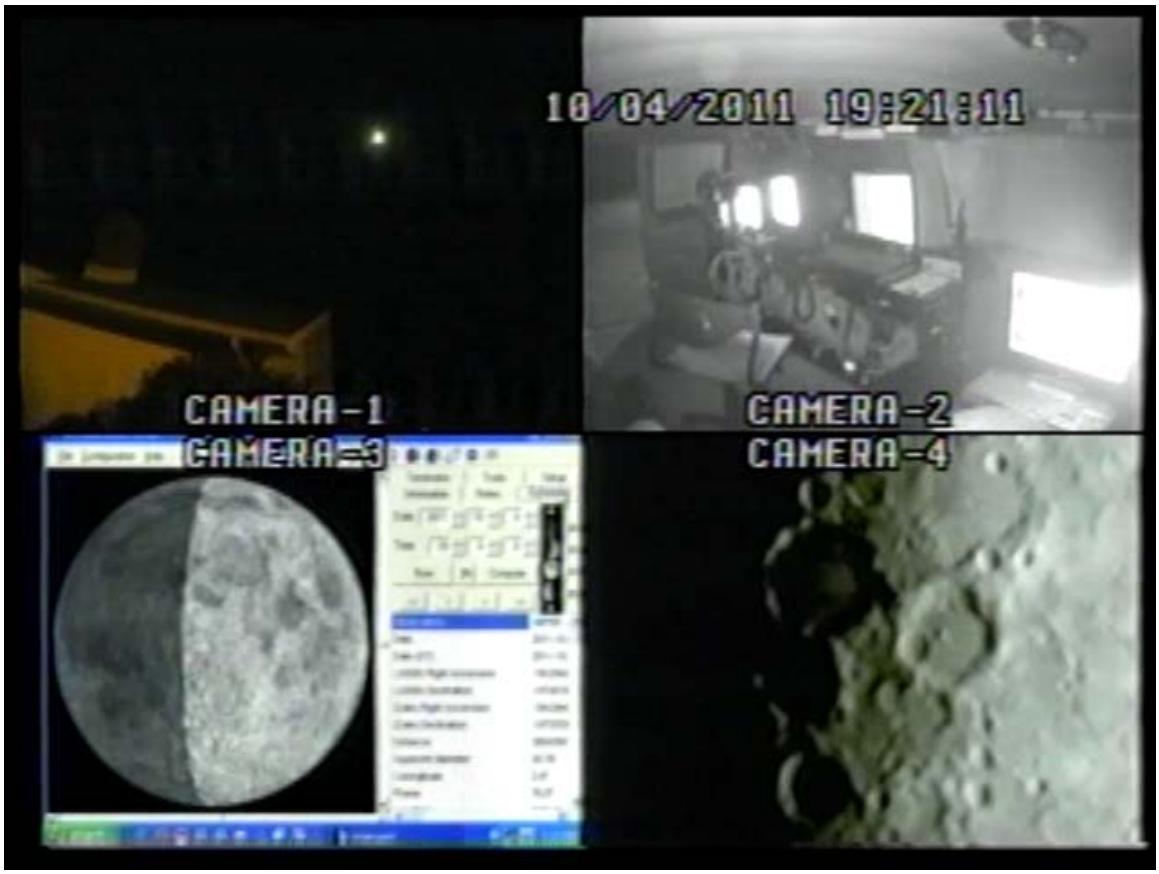
THE LUNASCAN PROJECT - MOONWATCH - TEAM REPORT
OCTOBER 4, 2011

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

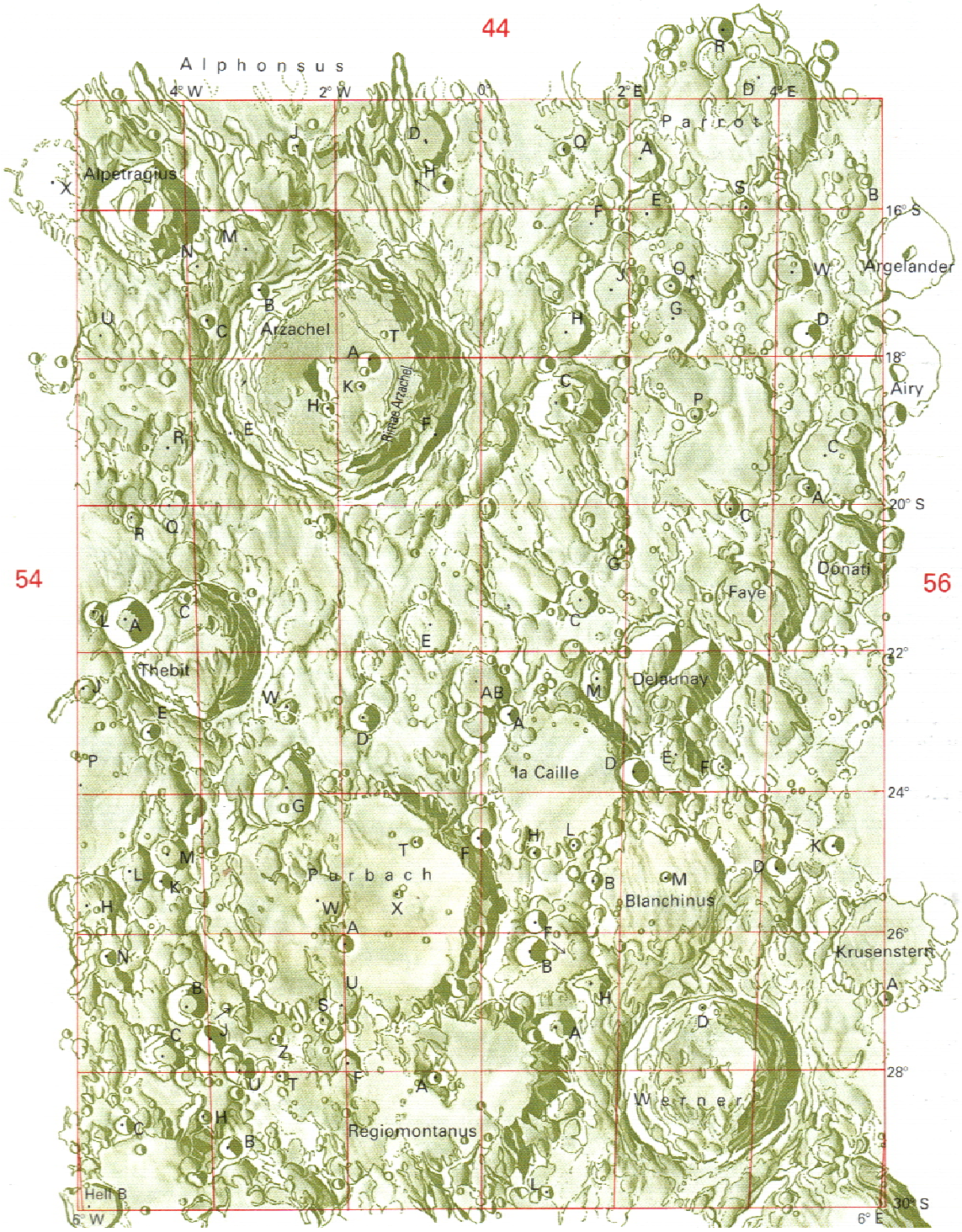
* HPS Unit 3:
CMOS/SSI Camera, (Celestron Neximage Solar System Imager / complementary metal oxide semiconductor)
OPTICS, prime focus. FOV= 400 NM, range 600 NM simulated (239,00/400x).
Celestron, 8" 2032 mm (SSI equiv 5 mm, w/Barlow 150x)
Resolution at lunar range = 0.5/0.68 =2160: 0.23 mi or 1214'
VGA resolution (640x480) color ¼" 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


4° W
2° W
0°
2° E
4° E
SINUS MEDII
Rhaeticus
Oppolzer
Rima Oppolzer
Réaumur
Rima Réaumur
Seeliger
Rima Flammarion
Flammarion
Spörer
Gyldén
Hipparchus
Herschel
Müller
(A)
Ammonius
Ptolemaeus
Albategnius
Klein
Ranger 9
Alphonsus
Rimae Alphonsus
Parrot



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-2
CAMERA-3
CAMERA-4