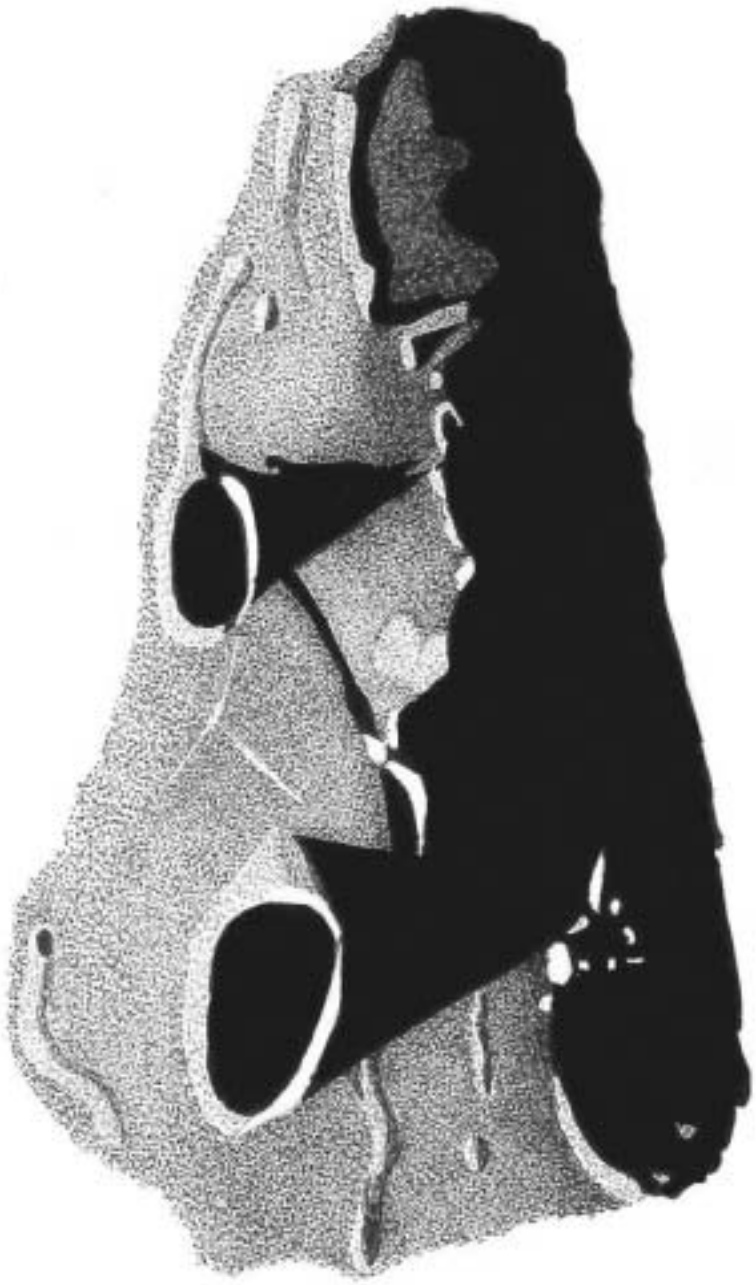
RECENT TOPOGRAPHICAL OBSERVATIONS

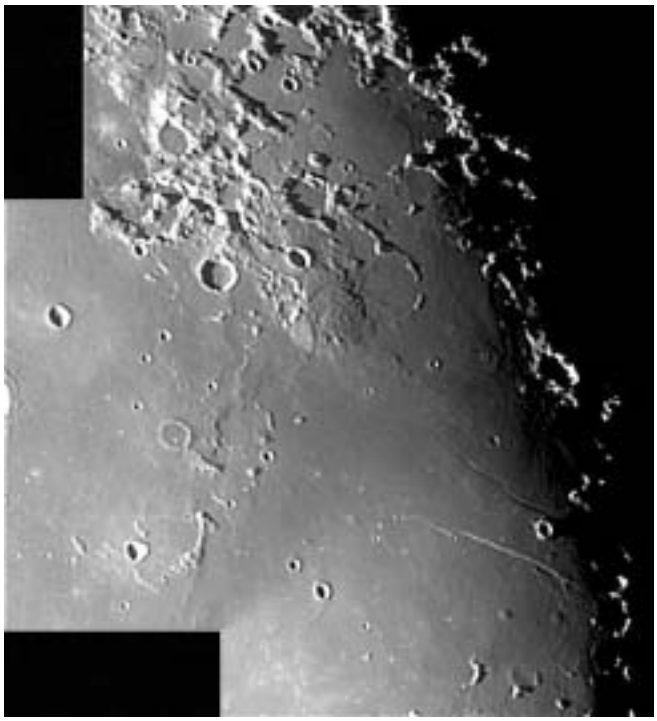


DIOPHANTUS & DESLISLE

Drawing by Colin Ebdon - Colchester, Essex, England
February 8, 2006 - 22:30 to 23:30 UT - Seeing AII then AIII
7 inch Maksutov-Cassegrain - 225x & 300x

ADDITIONAL NOTE BY COLIN EBDON:
The white "T" shaped lines between Diophantus and Deslisle denote what appeared to be part of a fine lunar ray, possibly crossed by part of Rima Diophantus at the limits of resolution.

RECENT TOPOGRAPHICAL OBSERVATIONS



GARDNER TO CAUCHY

Digital mosaic (3 images) by Howard Eskildsen - Ocala, Florida, USA
August 13, 2006 - 08:27 UT - Seeing 8/10 - Transparency 5
6 inch f/8 Meade Refractor - 2x Barlow - NexImage Camera

ADDITIONAL NOTES BY HOWARD ESKILDSEN:

The Gardner mega-dome has interesting features that almost appear to be creased by rilles or faults. The usual domes are visible in the Cauchy region, but what really catch my attention are the Cauchy Fault and Cauchy Rille. While the uplift (or subsidence) of the fault is plainly visible, the rille seems to blur the boundary between rille and fault. I suspect that faulting is critical to formation of this type of rille (as opposed to sinuous rilles). Also, wrinkle ridges or dorsa really appear as if they might be overthrust faults as well.

f

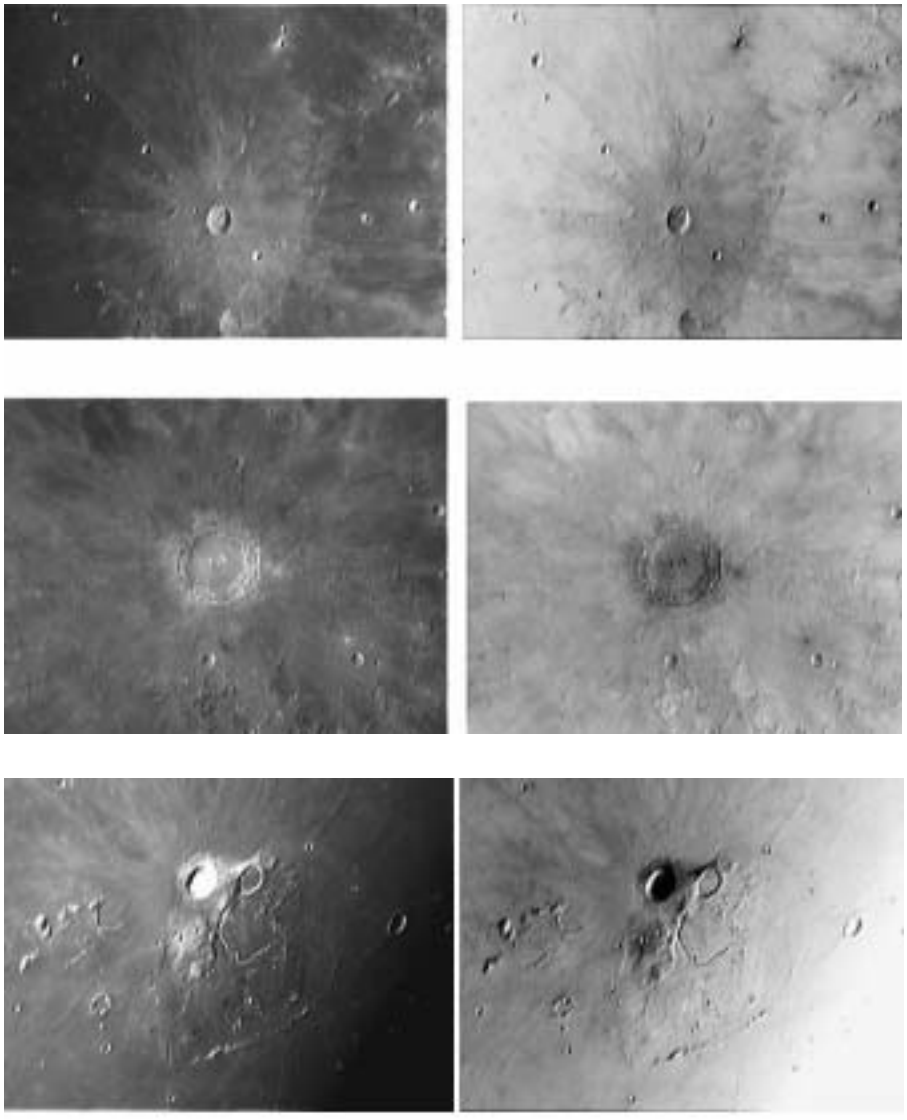
BRIGHT LUNAR RAYS PROJECT

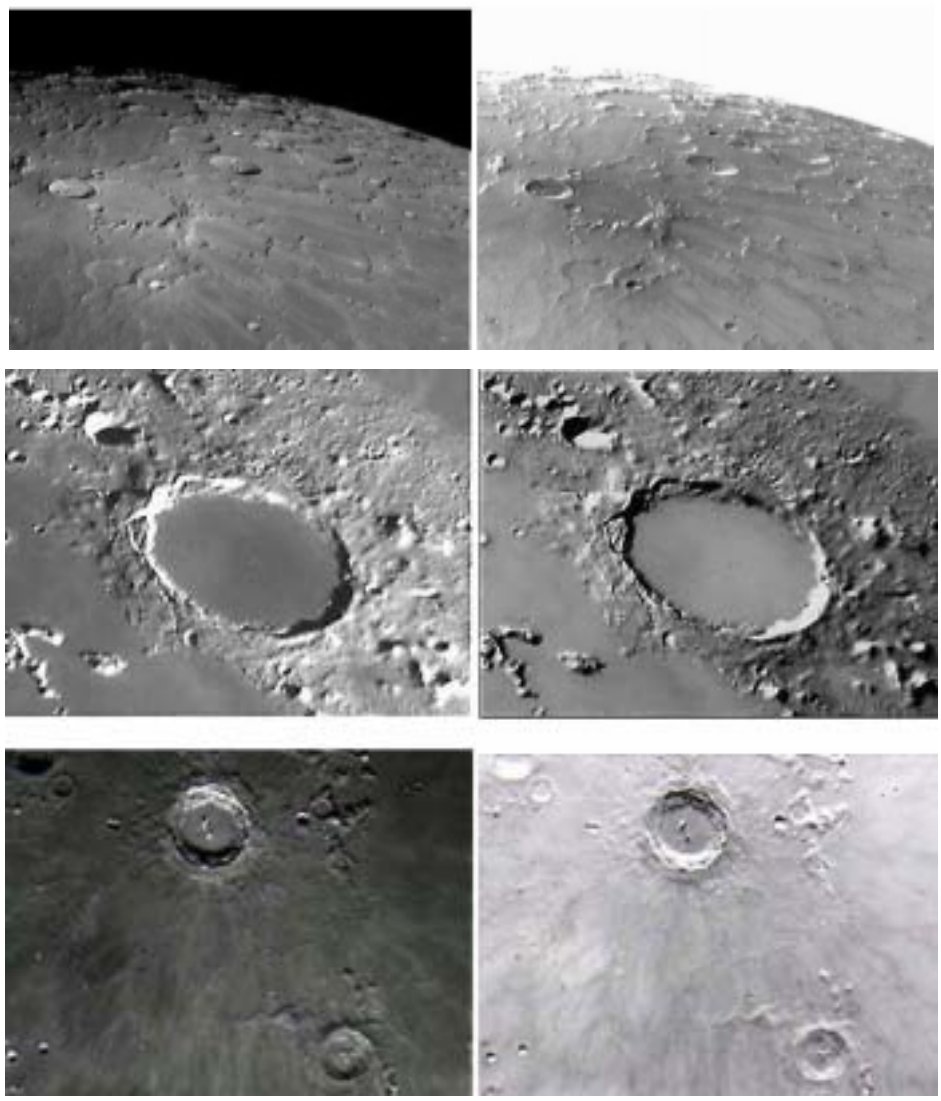
Coordinator - Willliam M. Dembowski, FRAS

Report for the Bright Lunar Rays Project

Guilherme Grassmann - Americana, Brasil

I am quite sure that this idea is not new and all digital imagers sometimes use the negative option of any image processing program, like Microsoft Photo Editor that I use to see my image results. Using negative images, a lot of information can be seen and increase our perception of lunar rays, and will be very helpfully for dome investigation, banded craters, etc. Remember that the shroud of Turin negative images shows a lot of information not showing on the positive image. Below are some examples of how the details are increased. I hope our fellow observers can enjoy my small contribution to the program.





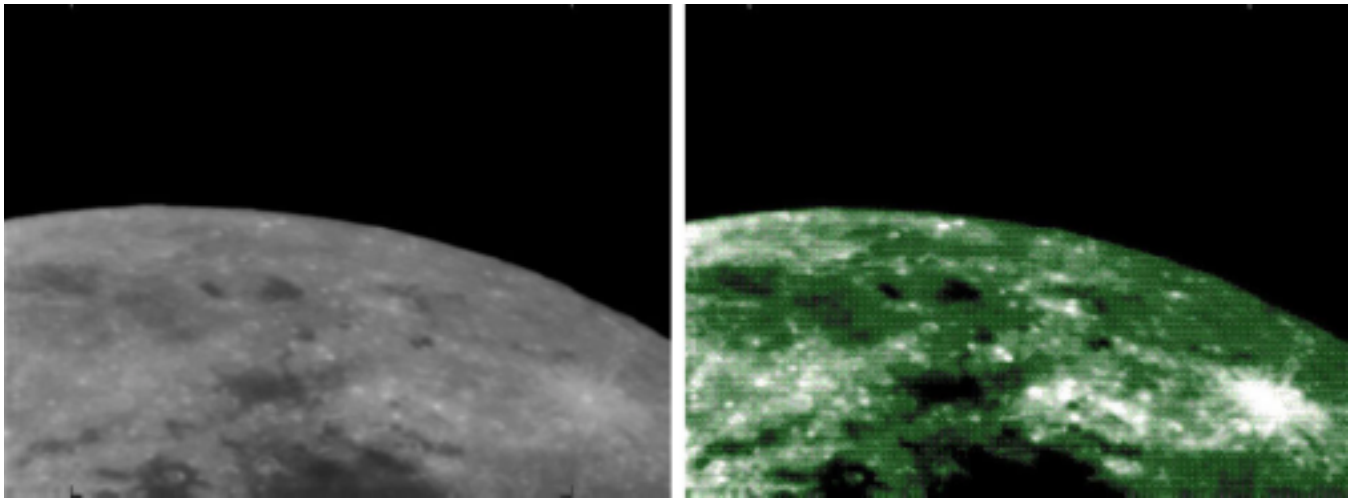
RECENT RAY OBSERVATIONS

BESSEL & MENELAUS

Ray Map by Michael Amato
West Haven, Connecticut, USA
September 11, 2006 - 03:30
127mm Mak-Cass

ADDITIONAL NOTE BY MICHAEL AMATO:
I observed this lunar ray at local lunar sunset. All I could see was a small part of the ray around the crater Bessel. It was very faint.

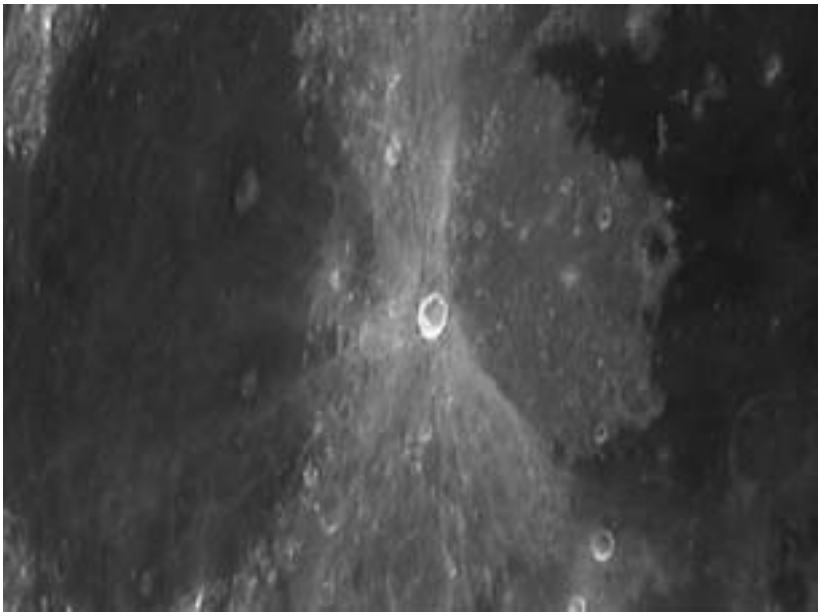
RECENT RAY OBSERVATIONS



Normal **Saturated**

RAYS OF NORTH POLAR REGION

Digital images by Alexandros Filothodoros - Samos, Greece
May 13, 2006 - 22:58:15 UT
90mm Maksutov-Cassegrain - NexImage Camera - Ir cut filter



PROCLUS

Digital image by Guilherme Grassmann - Americana, Brasil
September 3, 2006 - 20:55:58 UT - Seeing 8/10 - Transparency 5/6
10 inch f/10 SCT - ToucamPro - No filter

Further predictions, including the more numerous illumination only events can be found on the following web site: http://www.lpl.arizona.edu/~rhill/alpo/lunarstuff/ltp.html For members who do not have access to the internet, please drop me a line and I will post predictions to you. If you would like to join the LTP telephone alert team, please let me know your phone No. and how late you wish to be contacted. If in the unlikely event you see a LTP, please give me a call on my cell phone: +44 798 505 5681 and I will alert other observers or give David Darling (US observers) a call on: (608) 837 6054.

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THE MOON IN THE NEWS

ESA report on the SMART-1 impact including links to images of the impact:
http://smart.esa.int/science-e/www/object/index.cfm?fobjectid=39961

View of the SMART-1 impact by the Canada-France-Hawaii Telescope:
http://www.cfht.hawaii.edu/News/Smart1/

View of the SMART-1 impact by amateur Peter Lipscomb:
http://cosmonut.org/Smart-1.gif

ESA: SMART-1 Swan song:
http://www.esa.int/SPECIALS/SMART-1/SEMC378ZMRE_0.html

Lunar meteorite found in Antarctica:
http://www.spaceref.com/news/viewpr.html?pid=20807

Scientific panel endorses lunar exploration:
http://www.usatoday.com/tech/science/space/2006-09-19-moon-return-endorsed_x.htm

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