

For February, the only observations received were from Clive Brook (Plymouth, UK). Most other observers have reported quite bad weather problems. Fortunately some early observations for March have been received from Clive Brook, Robin Gray, Gerald North and Martin Mobberley. Martin has been busy attempting high resolution colour imaging of the Moon.

This month is again a short report due to pressure of work from teaching at University - I will though be attending the Lunar and Planetary Science Conference in Houston and hopefully can report on any relevant news concerning research into the Moon, directly or indirectly related to understanding TLP observations. This year's conference will be particularly interesting in view of NASA's new manned lunar/Mars initiative set by President Bush - just hope this continues to receive funding over successive US governments.

The following repeat illumination and libration events occur for April, please observe if you can:

Event: Gassendi (Moseley, 1967 Mar 22) can be seen on/from (UTC): 2004 Apr 01 Germany, Italy, Ukraine (18:01-21:58); UK (19:00-21:58) [*check for colour*]

Event: Aristarchus (Bartlett, 1955 Sep 29) can be seen on/from (UTC): 2004 Apr 02 Germany, Italy (18:00-20:30); UK (19:00-20:30); Ukraine (17:12-20:30) [*does the floor look a blue clay colour?*]

Event: Herodotus (Kozyrev, 1955 Oct 28) can be seen on/from (UTC): 2004 Apr 02 Germany, Italy, Ukraine (19:31-23:14); UK (19:00-22:59); Puerto Rico (23:00-23:14) [*look for change in brightness of the rays in blue/violet*]

Event: Cobra Head (Sartory, 1967 Mar 23) can be seen on/from (UTC): 2004 Apr 02 Puerto Rico (23:00-23:02) [*look for colour*]

Event: Aristarchus (Marsh, 1967 Mar 23) can be seen on/from (UTC): 2004 Apr 02 Puerto Rico (23:00-23:44) [*look for colour on inner SW or SE wall*]

Event: Stevinus and Furnerius (Cameron, 1961 May 29) can be seen on/from (UTC): 2004 Apr 04 New Zealand (08:13-11:23) [*look for glittering point-like spots on crater rims*]

Event: Aristarchus Area (Firsoff, 1955 Sep 30) can be seen on/from (UTC): 2004 Apr 04 New Zealand (11:22-12:12) [*look for a westward yellow smear*]

Event: Proclus (Bartlett, 1955 Aug 03) can be seen on/from (UTC): 2004 Apr 04 Germany, Italy (18:00-21:57); UK (19:00-21:57); Ukraine (17:51-21:57) [*check appearance of floor through red, green and blue filters*]

Event: Proclus (Bartlett, 1956 Oct 19) can be seen on/from (UTC): 2004 Apr 04 Germany, Italy (18:00-20:26); UK (19:00-20:26); Ukraine (17:00-20:26) [*check brightness of spot at foot of NE wall*]

Event: Aristarchus (Olivarez, 1968 Mar 14) can be seen on/from (UTC): 2004 Apr 04 Germany, Italy (18:00-19:41); UK (19:00-19:41); Ukraine (17:00-19:41) [*check for colour*]

Event: Near Aristarchus (Bartlett, 1955 Aug 03) can be seen on/from (UTC): 2004 Apr 04 Germany, Italy (18:18-22:17); UK (19:00-22:17); Ukraine (18:18-21:59) [*any violet colour nearby?*]

Event: Kepler (Wildev, 1962 Jul 17) can be seen on/from (UTC): 2004 Apr 05 DC, Madison, New York, Pittsburgh (04:54-09:48) [*compare brightness to other craters*]

Event: Aristarchus (Bartlett, 1955 Oct 31) can be seen on/from (UTC): 2004 Apr 05 New Zealand (07:00-09:39) [*look for colour*]

Event: Timocharis (Firsoff, 1955 Aug 03) can be seen on/from (UTC): 2004 Apr 05 New Zealand (13:00-14:18) [*through which filter does the crater appear brightest and does the crater appear large and diffuse?*]

Event: Manilius (Firsoff, 1955 Aug 03) can be seen on/from (UTC): 2004 Apr 05 New Zealand (13:00-14:18) [*through which filter does the crater appear brightest?*]

Event: Proclus (Bartlett, 1956 Oct 20) can be seen on/from (UTC): 2004 Apr 05 New Zealand (16:26-17:59) [*check visibility of interior spots*]

Event: Aristarchus (Bartlett, 1956 Oct 20) can be seen on/from (UTC): 2004 Apr 05 New Zealand (16:26-17:59) [*check for colour*]

Event: Littrow (Unknown, 1915 Jan 31) can be seen on/from (UTC): 2004-Apr-06 Germany (03:44-03:59); Italy (03:44-03:59); UK (03:44-04:59) Puerto Rico (04:46-07:34) [*look for 7 spots arranged like a "gamma"*]

Event: Mare Crisium (Wildev, 1962 Jul 18) can be seen on/from (UTC): 2004-Apr-06 Madison (08:29-10:59) [*image floor at regular intervals to check for brightness changes*]

Event: Mare Crisium (Wildev, 1962 Jul 19) can be seen on/from (UTC): 2004-Apr-07 Madison (08:26-10:59) [*image floor at regular intervals to check for brightness changes*]

Event: Gassendi (Haas, 1940 Sep 19) can be seen on/from (UTC): 2004 Apr 07 LA, Phoenix, Winnemucca (11:49-12:59); Las Cruces (11:49-11:59) [*compare brightness of largest bright spot on SE floor and compare to measurements on other nights*]

Event: Agrippa (Bartlett, 1962 Jul 21) can be seen on/from (UTC): 2004 Apr 09 UK (04:30-04:59); DC, New York, Pittsburgh (05:35-08:35) [*compare darkness of central peak shadow to that of wall*]

Event: Agrippa (Bartlett, 1962 Jul 22) can be seen on/from (UTC): 2004 Apr 10 Atlanta, DC, Houston, New York, Orlando, Pittsburgh, Puerto Rico (06:33-09:28); Madison (07:00-09:28) [*compare darkness of central peak shadow to that of wall*]

Event: Plato (Kelsey, 1967 Apr 18) can be seen on/from (UTC): 2004-Apr-18 Atlanta, Houston, Las Cruces, Orlando (02:17-05:57); DC, New York, Phoenix (02:17-05:07); LA (03:00-05:07); Madison (02:17-04:59); Phoenix (03:00-05:57); Puerto Rico (01:20-04:59) [*sketch/image and check for colour of streaks on floor*]

Event: Posidonius (McConnell, 1968 Apr 04) can be seen on/from (UTC): 2004-Apr-25 Ukraine (17:00-17:21) [*look for haziness in NE (orNW) corner of crater, does the floor have a hint of colour, and how sharp does the N wall appear?*]

Event: Near Menelaus (Darnella, 1968 Apr 04) can be seen on/from (UTC): 2004-Apr-26 New Zealand (08:55-08:59); LA, Winnemucca (07:55-07:58) [*look for an area the size of Menelaus - just coming into sunlight and check for colour*]

Event: Proclus (Barrett, 1877 Mar 21) can be seen on/from (UTC): 2004-Apr-26 Germany, Italy, UK (20:21-23:12); Ukraine (20:21-22:48); Puerto Rico (23:00-23:12) [*look for brilliant illumination*]

Event: Alphonsus (Wise, 1968 Apr 06) can be seen on/from (UTC): 2004-Apr-28 New Zealand (10:49-11:44); Winnemucca (09:37-09:55) [*Check for glow on W(?) wall*]

Event: Plato (Wise, 1968 Apr 06) can be seen on/from (UTC): 2004-Apr-28 New Zealand (10:49-11:44); Winnemucca (09:37-09:55) [*Check for glow on W(?) wall*]

Event: Straight Wall (Wise, 1968 Apr 06) can be seen on/from (UTC): 2004-Apr-28 New Zealand (10:49-11:44); Winnemucca (09:37-09:55) [*Check for shadow between the N. part of the Straight Wall and Birt*]

Event: Tycho (Barker, 1931 Mar 27) can be seen on/from (UTC): 2004-Apr-28 New Zealand (10:55-11:44) [*How dark/visible is the central peak?*]

Event: Proclus (Farrant, 1967 Apr 18) can be seen on/from (UTC): 2004-Apr-28 Germany, Italy (19:00-20:36); UK (20:00-20:36); Ukraine (17:00-20:36) [*How dark is the crater?*]

Event: Terminator: Copernicus to 20S (Barker, 1932 Mar 16) can be seen on/from (UTC): 2004-Apr-28/29 Germany (23:25-01:51); Italy (23:25-00:59); UK (23:25-02:54); Ukraine (23:25-23:50); Atlanta, Houston, Madison, Pittsburgh (01:00-04:04); DC, New York, Orlando (00:00-04:04); LA, Phoenix, Winnemucca (03:00-04:04); Las Cruces (02:00-04:04); Puerto Rico (23:25-04:40) [*compare the sharpness of this area to other regions of the terminator*]

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 TLP 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 TLP, please give me a call on my cell phone: +44 (0)798 505 5681 and I will alert other observers. Note when telephoning from outside the UK you must not use the (0). When phoning from within the UK please do not use the +44!

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