



OBSERVATÓRIO
SAGITÁRIO

DARK HALOED CRATERS

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After read the recent article on November edition of The Lunar Observer about dark haloed craters, I decide look in my old image files and found some images on different lunar ages of **Atlas crater**.

Description:

Forms a remarkable couple with Hercules. Circular formation.

Very steep slopes supporting a craterlet to the South.
Walls in terraces.

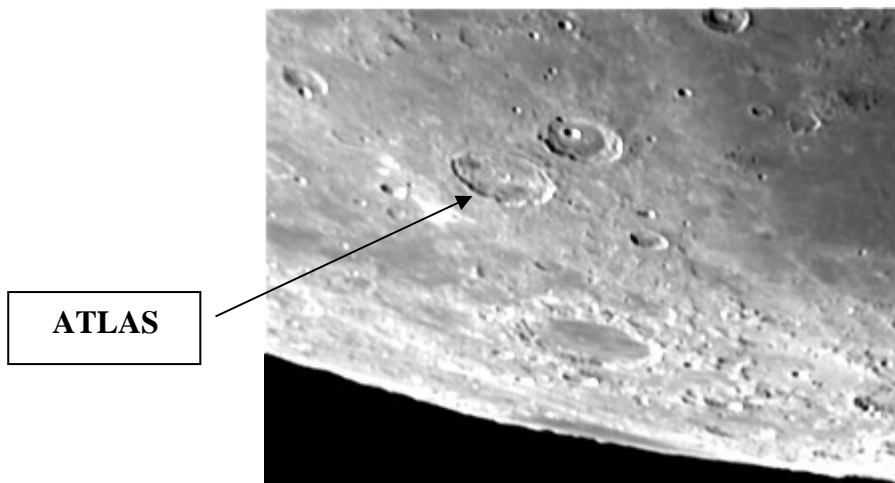
Tormented floor. Central mountain. Contains Rimae Atlas. Hills and craterlets.

Position:

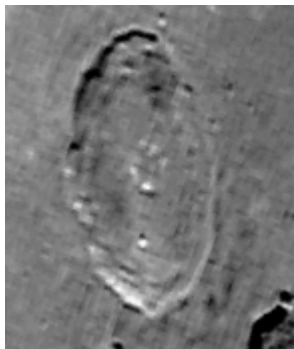
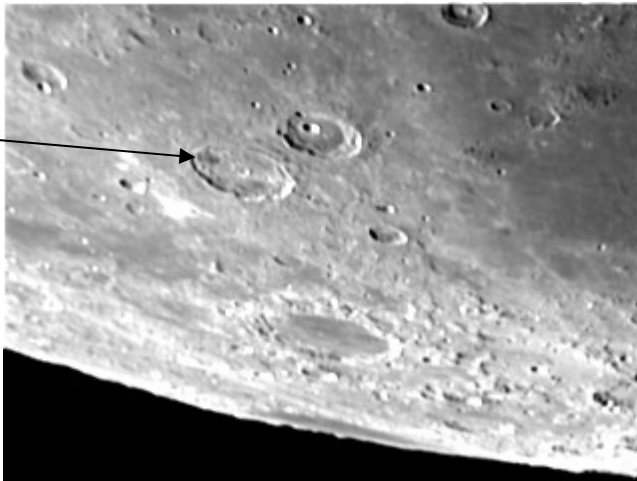
Longitude: 44.4° East

Latitude: 46.7° North

Quadrant: North-East



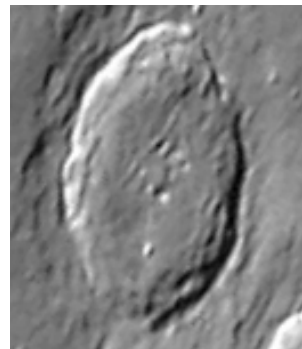
DARK HALOED



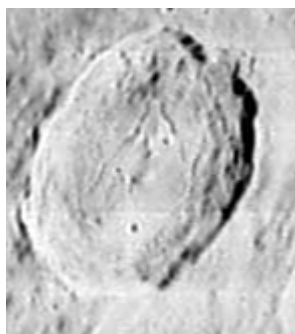
2002/08/15



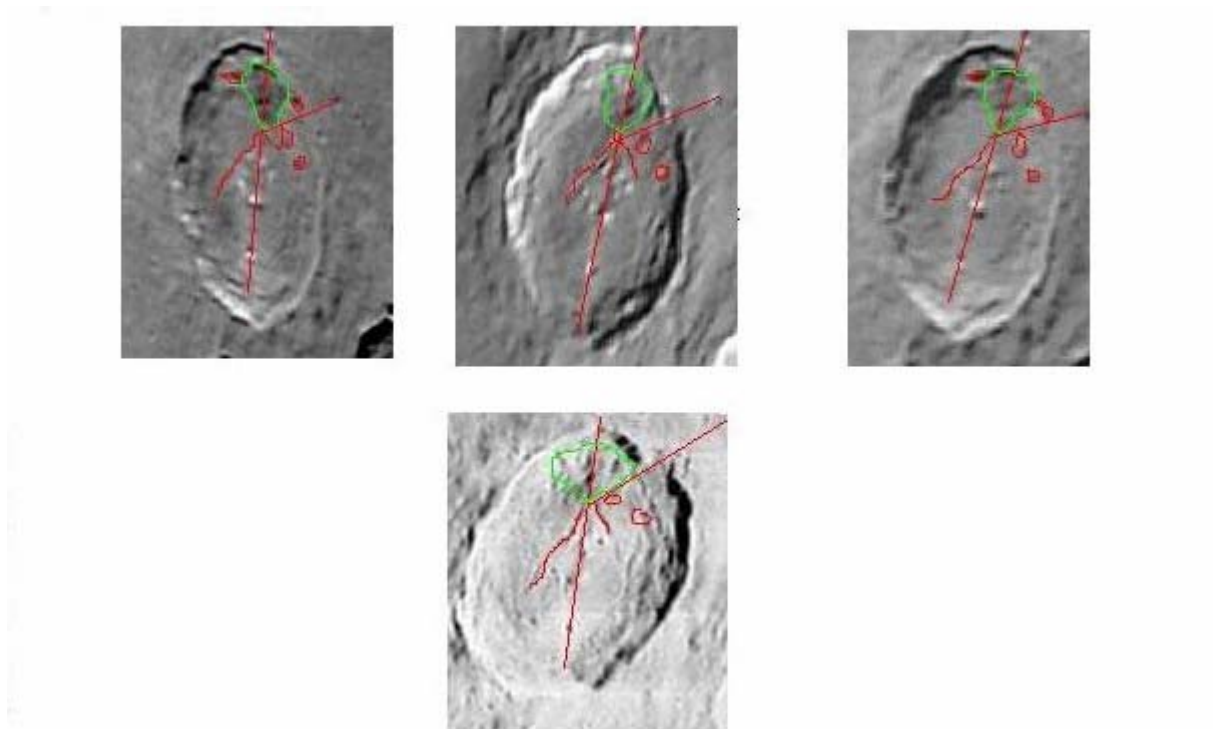
2002/10/02



2002/07/27



Lunar Orbiter Image -IV-191-H2



Using some near craters and domes and crossing some lines we can define the region where the dark halo appear.

If we look on the Lunar Orbiter Image in detail ,we can see very clear one difference in surface depth on the crater floor in the same place where the dark halo occurs.



When the light angle is favourable as on the first image (2002/08/15) the difference on the depth in the surface cause one darken on the region. My objective on this image analysis was given one opinion about the phenomenon called dark haloe.