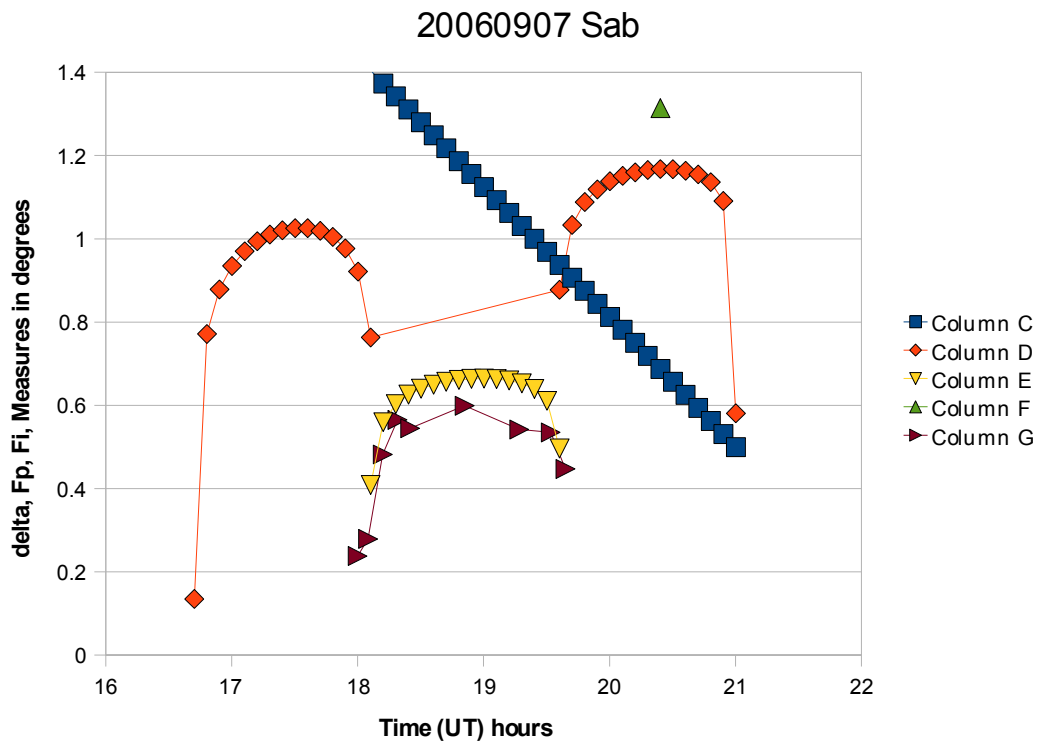


Computed delta, penumbra, umbra and measures for 20060907 for Each



LEGEND ONE

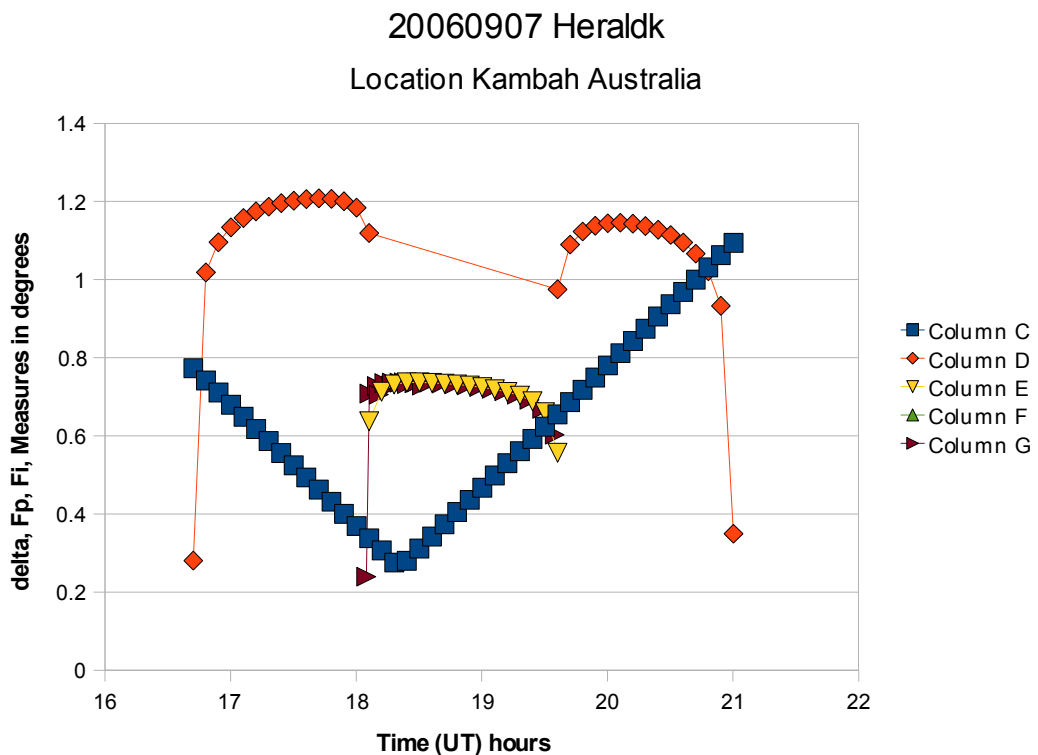
Column C is the slant angle δ

Column D is the computed topocentric penumbra (F_p) in degrees

Column E is the computed topocentric umbra (F_i) in degrees

Column F is the measured penumbra from Sabahattin Bilsel's image (F_p) in degrees

Column G is the measured umbra from Sabahattin Bilsel's images (F_i) in degrees



LEGEND TWO

Column **C** is the slant angle *delta*

Column **D** is the computed topocentric penumbra (*Fp*) in degrees

Column **E** is the computed topocentric umbra (*Fi*) in degrees

Column **F** is the measured penumbra (*Fp*) in degrees (none)

Column **G** is the measured umbra from David Herald's images (*Fi*) in degrees

COMMENTS

The penumbra and umbra topocentric semi-diameters have been computed by program *ViaX8.exe* when their edges are traversing the Moon's surface.

The observers' images and movie have been calibrated to the Moon's semi-diameter and the images of the penumbra and umbra measured with *Digimizer*.

CONCLUSIONS

There is some agreement with the image penumbra measurement when compared with the computed values for Sabahattin Bilsel's image (Legend One Column **F**).

There is good agreement between Sabahattin Bilsel's umbra image measurements (Legend One Column **G**) and the computed values of *Fi*. There is excellent agreement with the computed umbra values (*Fi*) from David Herald's measured images and movie (Legend Two Column **G**).

Produced by the *Isabella Plains Lunar Observatory Australia* 20081201.
