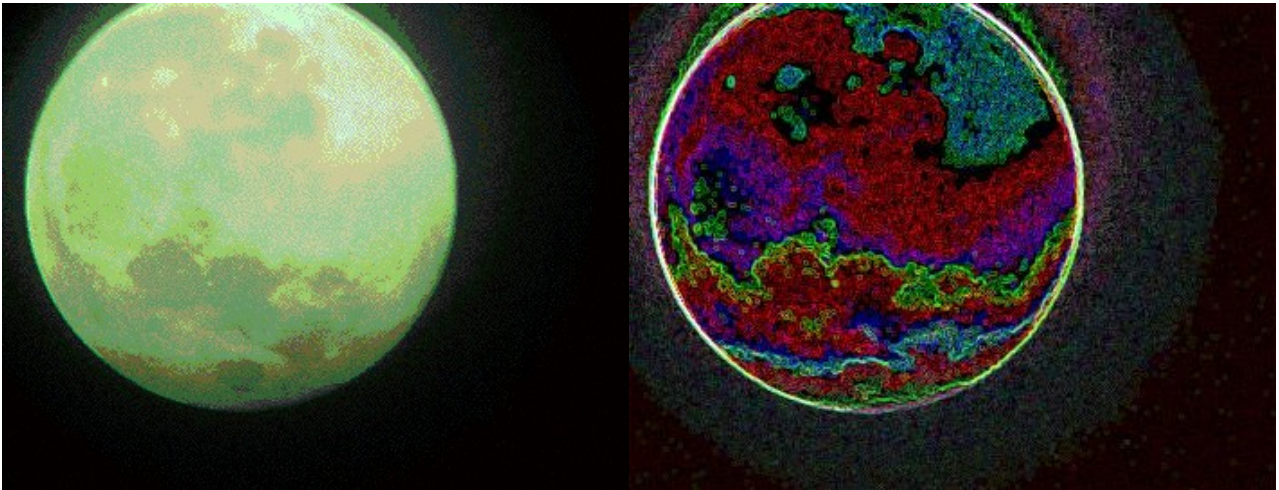


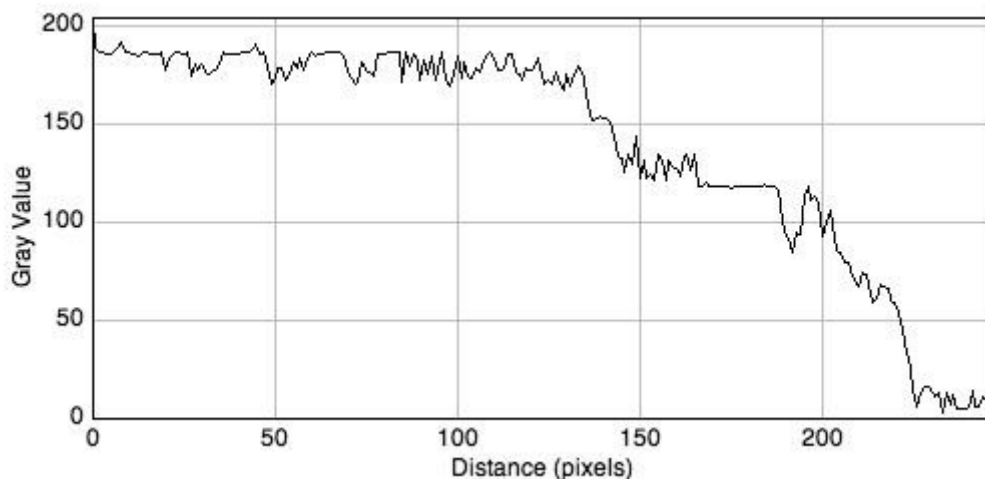
## Measures of Digital Images from Penumbral lunar eclipse of 20020526

An animated GIF was prepared from several digital images captured from the penumbral lunar eclipse **20020526** using a telescopic camera lens and attached Ixus digital camera. Several of these images have been processed with *Image J* and measured with *Digimizer* software.

A typical image number 7, with its *Image J* edges is shown below:

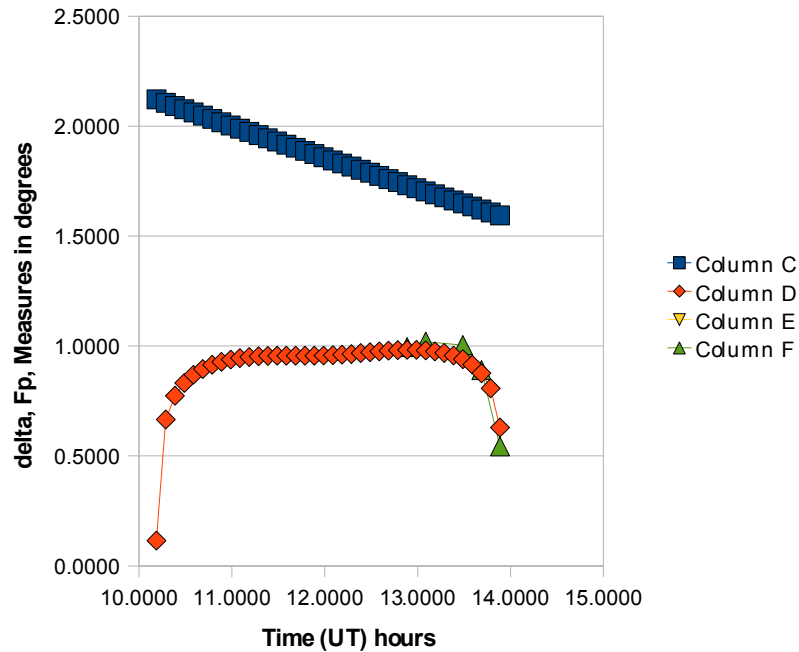


Here is the *Image J* trace from top left to bottom right showing the gray value drop off due to the penumbra.



And finally here is the computed topocentric penumbral semi-diameter compared with the *Digimizer* measures:<sup>1</sup>

## 20020526 Digital Images



### LEGEND

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

Column **D** is the computed topocentric penumbral semi-diameter (*Fp*), degrees

Column **E** is the non existent umbral semi-diameter

Column **F** is the measured penumbral semi-diameter from *Digimizer*, degrees.

### CONCLUSIONS

The measured images give excellent agreement with the topocentric values computed with program *ViaX8.exe*.<sup>2</sup>

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Produced by the *Isabella Plains Lunar Observatory Australia* 20090119.

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<sup>2</sup> New data was prepared for this eclipse from ICE.exe and Occult.