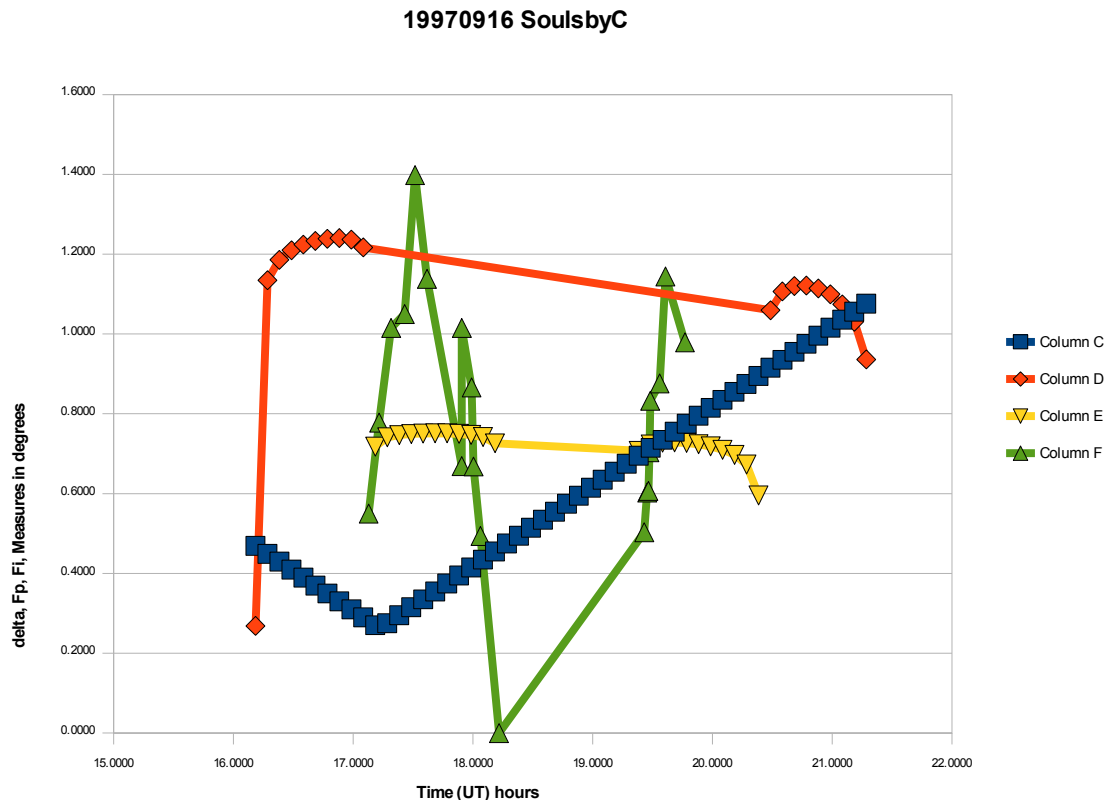


Analysis of 8mm movie to DVD for the lunar eclipse of 19930604

A movie covering the complete Total Lunar Eclipse of **19930604** was produced at the Paradise South Australia location using a **Sony CCD-F450E** movie camera. The video was copied to a DVD and images were saved using a DVD reader and then measured by **Digimizer** to give the umbral semi-diameter measures.

Programs **ILEEP41.exe** and **ViaX8.exe** computed the topocentric penumbra and umbra for comparison with the measures as shown below:



LEGEND

Column **C** is the computed 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 **Digimizer** measures of the calibrated umbral images.

COMMENTS

There is a wide spread in the measurements as the image quality was not good, however some of the measures were near the computed values.

Produced by the **Isabella Plains Lunar Observatory Australia** 20090123.
