

## Computed and measured image values of $F_i$ for the Total Lunar Eclipse of 20080221



### LEGEND

Column C is the slant angle delta (not shown here)

Column D is the computed values of  $F_i$  from *ViaX7.exe (debugged)*

Column E is the *Digimizer* measured  $F_i$  from Bernard Durand's images adjusted for the Moon's semi-diameter at the time of exposure.

### COMMENTS

The measured images give excellent agreement with the computed values, especially from the first to second primary contacts.

For the first time the computed rapid increase in the size of the umbra from first contact has been confirmed by the measurement of Bernard's images.

The increase in  $F_i$  just after third contact where the Moon first exits the umbra, is greater than the trend and is supported by two image measures – this requires further study.

The values shown at second, third and fourth primary contact are assumed to be zero.