**130825 ROBIN STUART'S SUN**

**LAN LOG.docx**

**REF D^ M^ Y ?**

**RUN**

**REF DD.MMYYYY=\* ?**

 **25.0820130 RUN**

**REF TT-UT=68.4 S?**

**RUN**

**REF UT=0.00 H.MS ?**

 **16.4734 RUN**

**With all 14 Observations**

**XROM "LAN"**

**LT.CCCSS 1=**

**RUN**

**RTY.cddSS= 0 ?**

**RUN**

**LT-UT= 0.00 H.M ?**

**RUN**

**HE=+FT,-M?**

**-9.00 RUN**

**ALT=+FT,-M?**

**RUN**

**Te CENT=**

**RUN**

**Te FAR=**

**RUN**

**P Mb=**

**RUN**

**P IN HG=**

**RUN**

**UT^ H+L-U 1 ?**

 **16.3737000 ENTER^**

 **58.5060000 RUN**

**WHICH BODY ?**

**SUN RUN**

**"SUN"**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 2 ?**

 **16.4051000 ENTER^**

 **58.5340000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 3 ?**

 **16.4240000 ENTER^**

 **58.5400000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 4 ?**

 **16.4546000 ENTER^**

 **58.5490000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 5 ?**

 **16.4747000 ENTER^**

 **58.5560000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 6 ?**

 **16.4936000 ENTER^**

 **58.5560000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 7 ?**

 **16.5115000 ENTER^**

 **58.5460000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 8 ?**

 **16.5319000 ENTER^**

 **58.5320000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 9 ?**

 **16.5656000 ENTER^**

 **58.5100000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 10 ?**

 **16.5845000 ENTER^**

 **58.4950000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 11 ?**

 **17.0253000 ENTER^**

 **58.4420000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 12 ?**

 **17.0819000 ENTER^**

 **58.3520000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 13 ?**

 **17.0948000 ENTER^**

 **58.3200000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 14 ?**

 **16.3335000 ENTER^**

 **58.4760000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 15 ?**

**RUN**

**N/S TRANSIT?**

**S RUN**

**\*U/L CULM?**

**RUN**

**d.POS=43.2 NM**

**d.POS=0.3 NM**

**SUN LTT=16.47295 H.MS**

**RUN**

**OBS LAT=N 41:26.4**

**RUN**

**OBS LON=W 71:22.9**

**RUN**

**SQRTd2/N=0.4 NM**

**RUN**

**VALID+/-0.43 H.M a C T**

**RUN**

**UT SPAN(16.04- 17.30)**

**RUN**

**e.T'/e.H'<=3.9**

**RUN**

**EST LON ERR 1.5'**

**RUN**

**R18 : ΔT culmination-transit = -9.2s**

**Average Height Correction +10.00’**

**Without the First Observation**

**XROM "LAN"**

**UT^ H+L-U 1 ?**

 **16.3737000 ENTER^**

 **58.5060000 RUN**

**WHICH BODY ?**

**SUN RUN**

**"SUN"**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 2 ?**

 **16.4051000 ENTER^**

 **58.5340000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 3 ?**

 **16.4240000 ENTER^**

 **58.5400000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 4 ?**

 **16.4240000 ENTER^**

 **16.4546000 ENTER^**

 **58.5490000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 5 ?**

 **16.4747000 ENTER^**

 **58.5560000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 6 ?**

 **16.4936000 ENTER^**

 **58.5560000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 7 ?**

 **16.5115000 ENTER^**

 **58.5460000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 8 ?**

 **16.5319000 ENTER^**

 **58.5320000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 9 ?**

 **16.5656000 ENTER^**

 **58.5100000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 10 ?**

 **16.5845000 ENTER^**

 **58.4950000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 11 ?**

 **17.0253000 ENTER^**

 **58.4420000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 12 ?**

 **17.0819000 ENTER^**

 **58.3520000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 13 ?**

 **17.0948000 ENTER^**

 **58.3200000 RUN**

**-0.0000095**

 **0.0000000**

**UT^ H+L-U 14 ?**

**RUN**

**N/S TRANSIT?**

**S RUN**

**\*U/L CULM?**

**RUN**

**d.POS=56.7 NM**

**d.POS=0.4 NM**

**SUN LTT=16.47395 H.MS**

**RUN**

**OBS LAT=N 41:26.6**

**RUN**

**OBS LON=W 71:25.4**

**RUN**

**SQRTd2/N=0.3 NM**

**RUN**

**VALID+/-0.43 H.M a C T**

**RUN**

**UT SPAN(16.04- 17.30)**

**RUN**

**e.T'/e.H'<=3.9**

**RUN**

**EST LON ERR 1.0'**

**RUN**

**R18 : ΔT culmination-transit = -9.2s**

**Average Height Correction +10.00’**