

# 1 2009A035 Notes

## 1.1 Saturn Data

date: 4 June 2009  
RA: 11 08 15.5138  
DEC: +07 50 35.294  
npole: 354.8 (CCW/east of celestial north)  
vmag: +1.1

## 1.2 Guiding - Titan/Iapetus

Titan is bright (VMAG=8) but moves quite fast ( 4arsec/hr on 4th of June)  
so will need to update offset regularly (15mins).

Iapetus is less bright (VMAG=11) but moves slowly ( 2arsec/hr on 4th of June).

viewer:

[http://pds-rings.seti.org/tools/viewer2\\_sat.html](http://pds-rings.seti.org/tools/viewer2_sat.html)

see Figures 1-2.

## 1.3 Ephemeris

(SITE1)

<http://ssd.jpl.nasa.gov/horizons.cgi>

- "ephem\_horizons.tab"

alternative:

(SITE2)

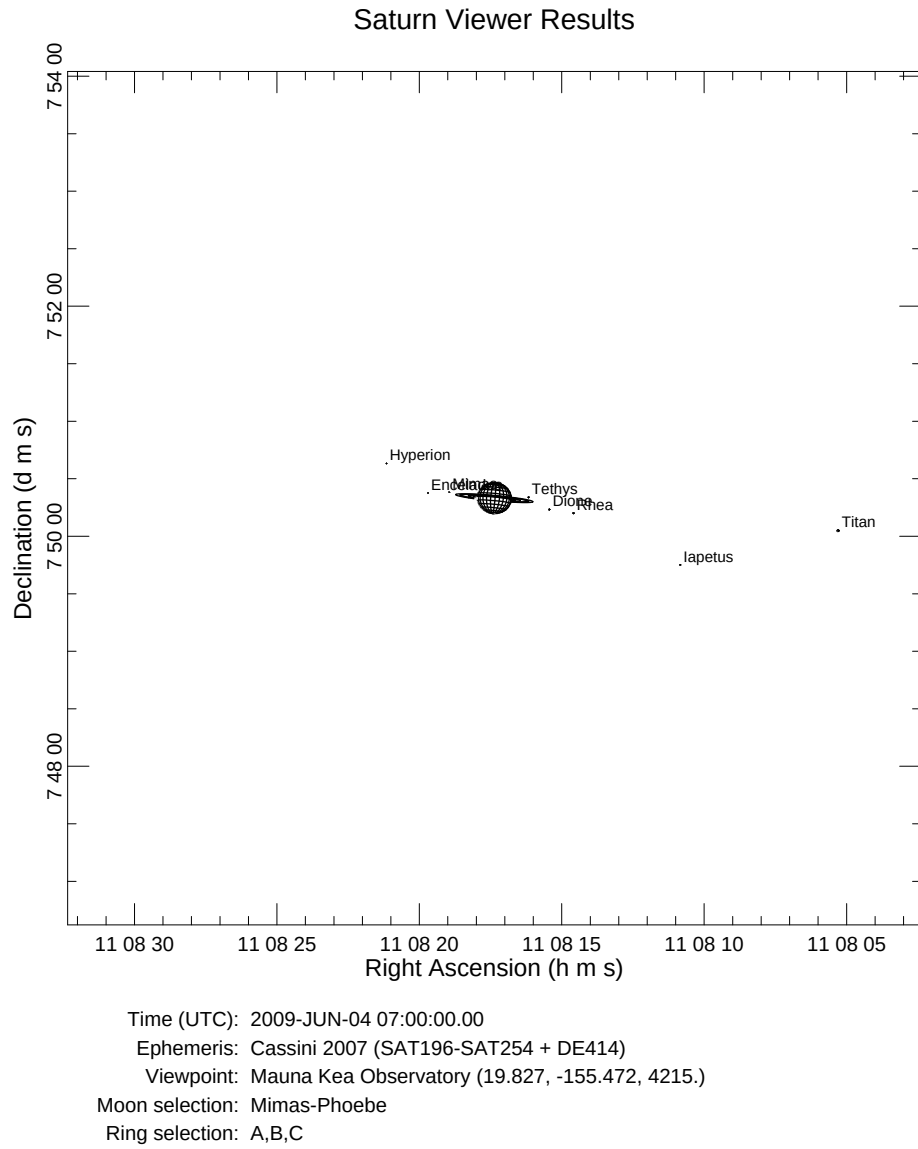
[http://pds-rings.seti.org/tools/ephem2\\_sat.html](http://pds-rings.seti.org/tools/ephem2_sat.html)

-times in UTC ( = hawaii LT + 10hrs )

-see "ephem\_sat\_337.tab"

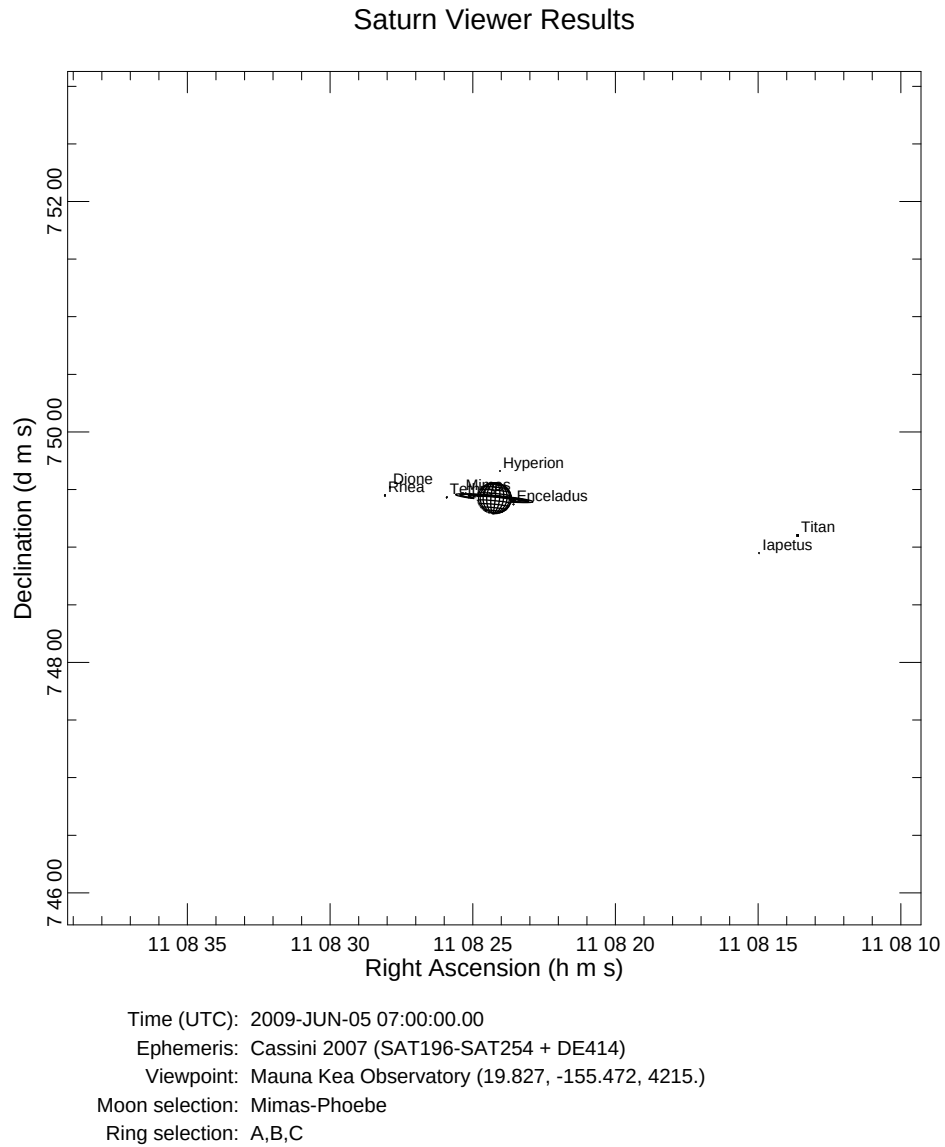
-dRA = arcsec

-dDec = arcsec



Generated by the Saturn Viewer Tool, PDS Rings Node, Thu May 28 06:35:13 2009

Figure 1: Saturn on 4 June 2009 at 0700UT (so evening of 3rd June on Hawaii).



Generated by the Saturn Viewer Tool, PDS Rings Node, Thu May 28 06:36:39 2009

Figure 2: Saturn on 5 June 2009 at 0700UT (so evening of 4rd June on Hawaii).