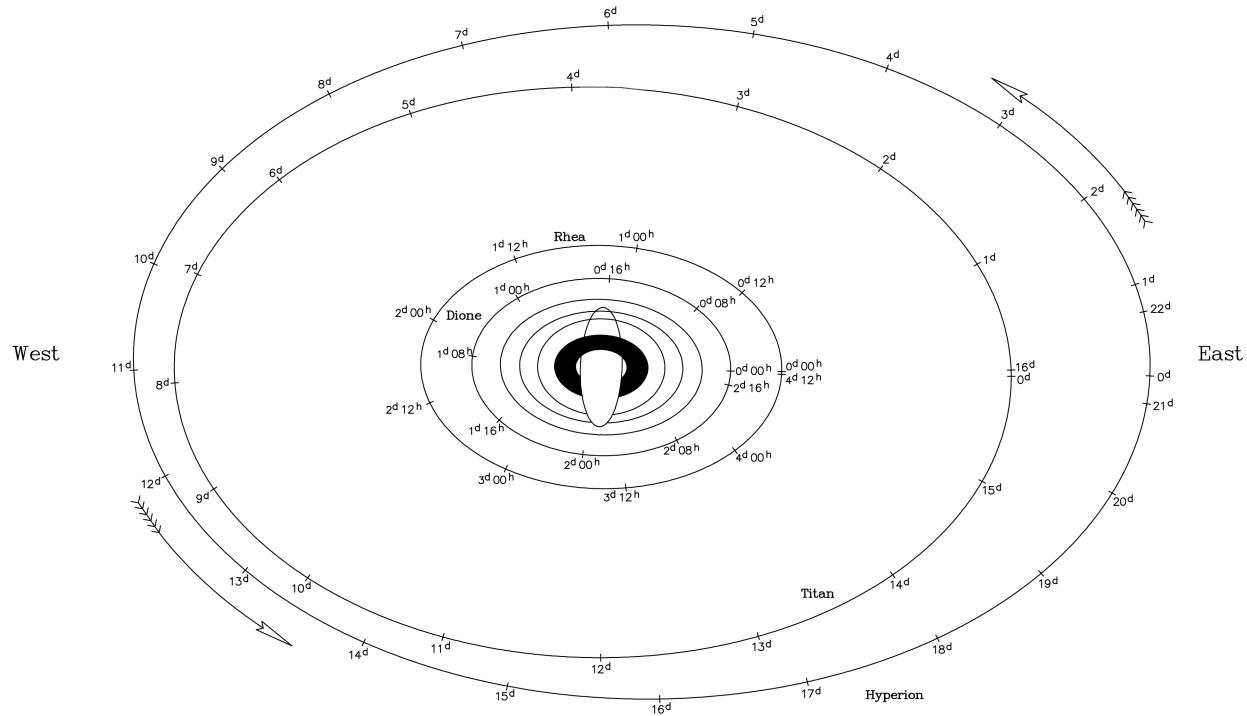


APPARENT ORBITS OF SATELLITES I-VII AT 0^h UNIVERSAL TIME ON THE DATE OF OPPOSITION, APRIL 15
 South



North
 Orbits elongated in ratio of 3 to 1 in direction of minor axes.

NAME	MEAN SYNODIC PERIOD	NAME	MEAN SYNODIC PERIOD
	d		d
I Mimas.....	0.9417	VI Titan.....	15.9708
II Enceladus.....	1.3708	VII Hyperion.....	21.3167
III Tethys.....	1.8875	VIII Iapetus.....	79.9208
IV Dione.....	2.7375	IX Phoebe.....	523.6500 R
V Rhea.....	4.5208		