

astronomical units away from the Earth, or nearly 380 millions of miles, in the neighbourhood of Jupiter's orbit. It was of course discovered by photography. Its orbit is as follows :

Perihelion Passage (τ)	=	1917 June 16.916.
Longitude of Perihelion (π)	=	303 degrees 45 minutes.
,, of Node (Ω)	=	183 ,, 15 ,,
Inclination of orbit (i)	=	25 ,, 35 ,,
Perihelion distance (Log q)	=	0.22786 = 1.6899
	=	140 millions of miles.

Note on "Sun-spots, maximum solar radiation and diurnal magnetic oscillation in 1916,"

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We give below a table for easy reference and comparison for the latter half of last year :—

	No. of spots.	Max. Radn.	Oscillation.
In June ...	684	1.569	11.1
,, July ...	580	1.550	10.4
,, August ...	267	1.420	11.1
,, September...	478	1.490	9.1
,, October ...	485	1.468	7.5

Note on "The apparent shifting of the axis of Uranus,"

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At the end of 1916 it has been observed that a remarkable change has taken place in the angular position of Uranus' bright zone which probably corresponds to his equator. In 1915 it was in the same plane with his satellites, but now it seems to make an angle of about 25 degrees with this plane. In 1884 it was at 41 degrees, in 1889 at 10 degrees, and in 1894 Premard found it to be at 28 degrees. The flattening of the poles of Uranus greatly exceeds that of Jupiter's poles. At present the apparent shifting of the axis is quite inexplicable.