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Research Paper

Planetary Orbits & Solar Activity Periods:

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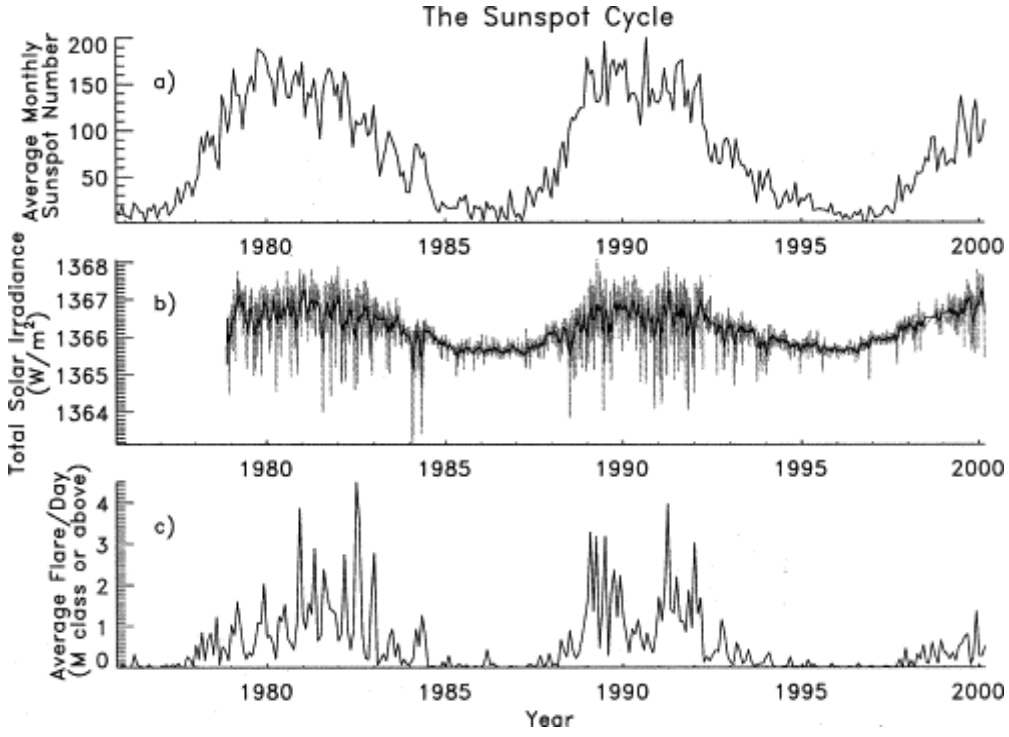
Solar activity follows three type of periodic cycles-

1. Solar activity cycle of average 11 years (called Schwabe cycle).

2. Sunspot cycle of average 95.115 days.

3. Solar flare cycle of average 112 days.



Various planets orbit around sun in accordance to above three cycles, as below:

Planet	Orbital period (Days)	Relation to cycle
1. Mercury	87.969	137 orbits in 3 × 11 years
(Important to note that 1/137 is fine- structure constant)		
2. Venus	224.701	1 orbit in 2 × 112 days
3.Earth	365.242	25 orbits in 96 × 95.115 days
4. Mars	686.980	9 orbits in 65 × 95.115 days
5. Ceres	1680.8	1 orbit in 15 × 112 days
6. Jupiter	4332.59	101 orbits in 4600 × 95.115 days
7. Saturn	10759.22	100 orbits in 101 × 112 × 95.115 days

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8. Uranus	30688.5	1 orbit in 274 × 112 days
9. Neptune	60195	177 orbits in 1000 × 112 × 95.115 days
10. Pluto	90560	2 orbit in 17 × 112 × 95.115 days
11. Eris	204199	6 orbits in 115 × 112 × 95.115 days
12. Moon	29.5306	34 lunar years in 3 × 11 years
13. Lunar Node	6798.4	13 orbits in 22 × 11 years

Conclusion-

The planetary orbital periods are derivative of solar activity periods.

Reference from scriptures-

In epic mahabharata the sun spot cycle is represented by akshauhini sena, wherein 96 sun spot cycles meets 25 earth's solar years & this period of 25 years is called as one akshauhini.

Eleven akshauhinikaurava sena is where sunspot cycle &schwabe cycle meets with earth's solar year period, that is 275 years.

Seven akshauhinipandava sena is where both sunspot cycle & solar flare cycle meets with earth's solar year period, that is period of 175 years.

Similarlyabraham's age is also stated as 175 years.