

Configurations des huit premiers satellites de Saturne pour 1993

J.-E. Arlot, Th. Derouazi, Ch. Ruatti

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J.-E. Arlot, Th. Derouazi, Ch. Ruatti. Configurations des huit premiers satellites de Saturne pour 1993. [Rapport de recherche] Institut de mécanique céleste et de calcul des éphémérides(IMCCE). 1992, 33 p., figures. hal-01478615

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Submitted on 28 Feb 2017

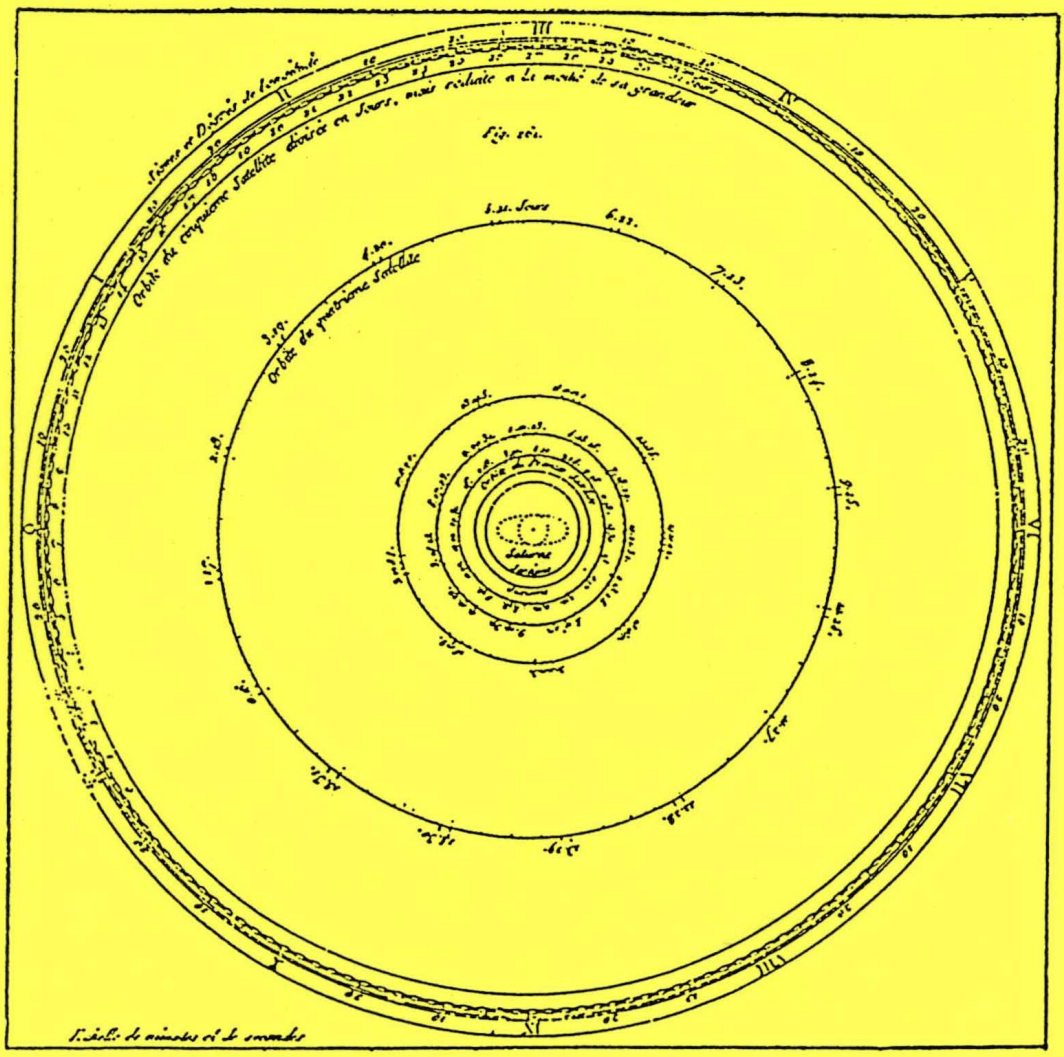
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SATELLITES DE SATURNE

I à VIII

CONFIGURATIONS POUR 1993



Supplément à la CONNAISSANCE DES TEMPS

à l'usage des observateurs

Bureau des Longitudes, UA CNRS

Paris, juin 1992

CONFIGURATIONS DES HUIT PREMIERS SATELLITES DE SATURNE POUR 1993

CONFIGURATIONS OF THE FIRST EIGHT SATELLITES OF SATURN FOR 1993

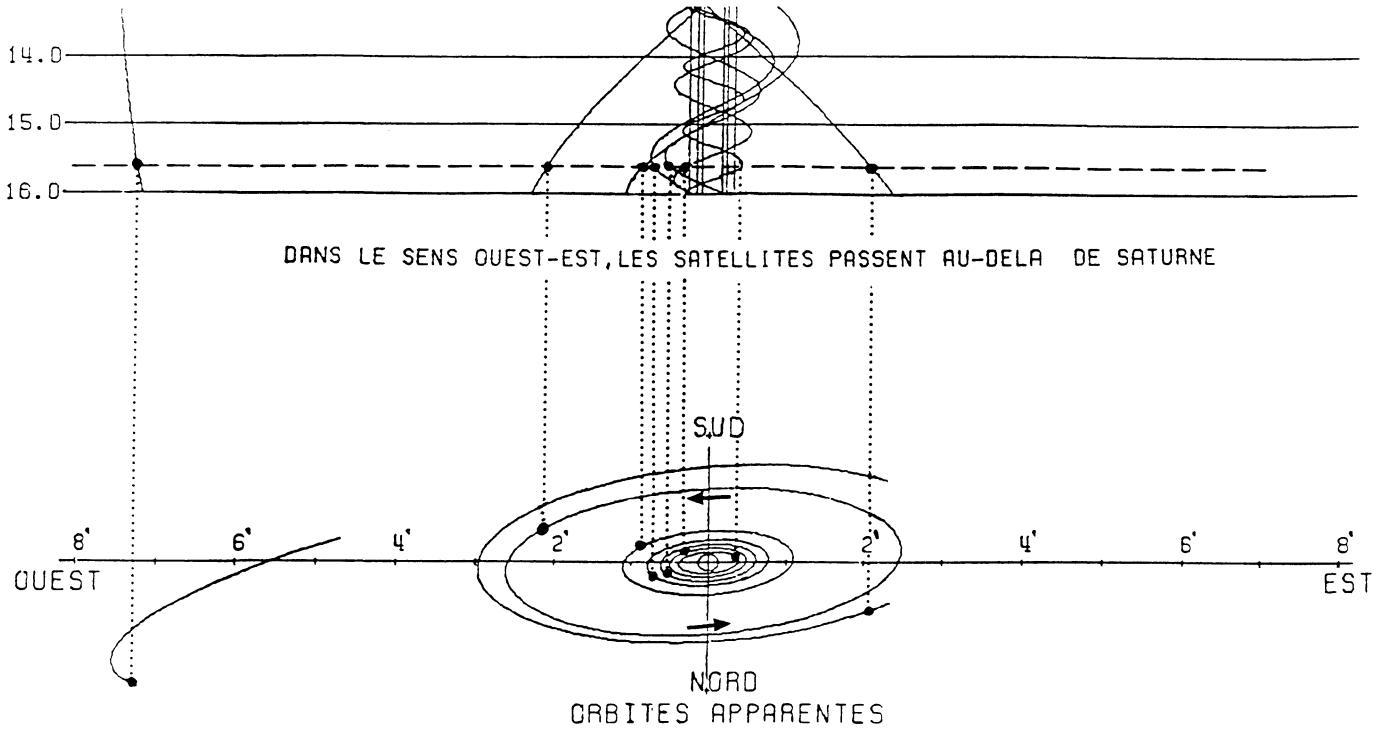
Bureau des Longitudes, 77 avenue Denfert-Rochereau, F-75014 PARIS.
Supplément à la *Connaissance des Temps* à l'usage des observateurs.
Rédaction et calculs : J.E. ARLOT, Th. DEROUAZI, Ch. RUATTI.
Paris, juin 1992

USAGE DES CONFIGURATIONS

Les configurations permettent d'identifier les satellites et de déterminer leur position en coordonnées tangentielles équatoriales relatives à Saturne avec la précision suivante (pour une lecture des courbes à 0,5 millimètre près) :

I	: 2 à 10"	V	: 2 à 3"
II	: 2 à 8"	VI	: 2 à 3"
III	: 2 à 6"	VII	: 2 à 3"
IV	: 2 à 4"	VIII	: 2 à 3"

L'exemple suivant montre comment procéder :



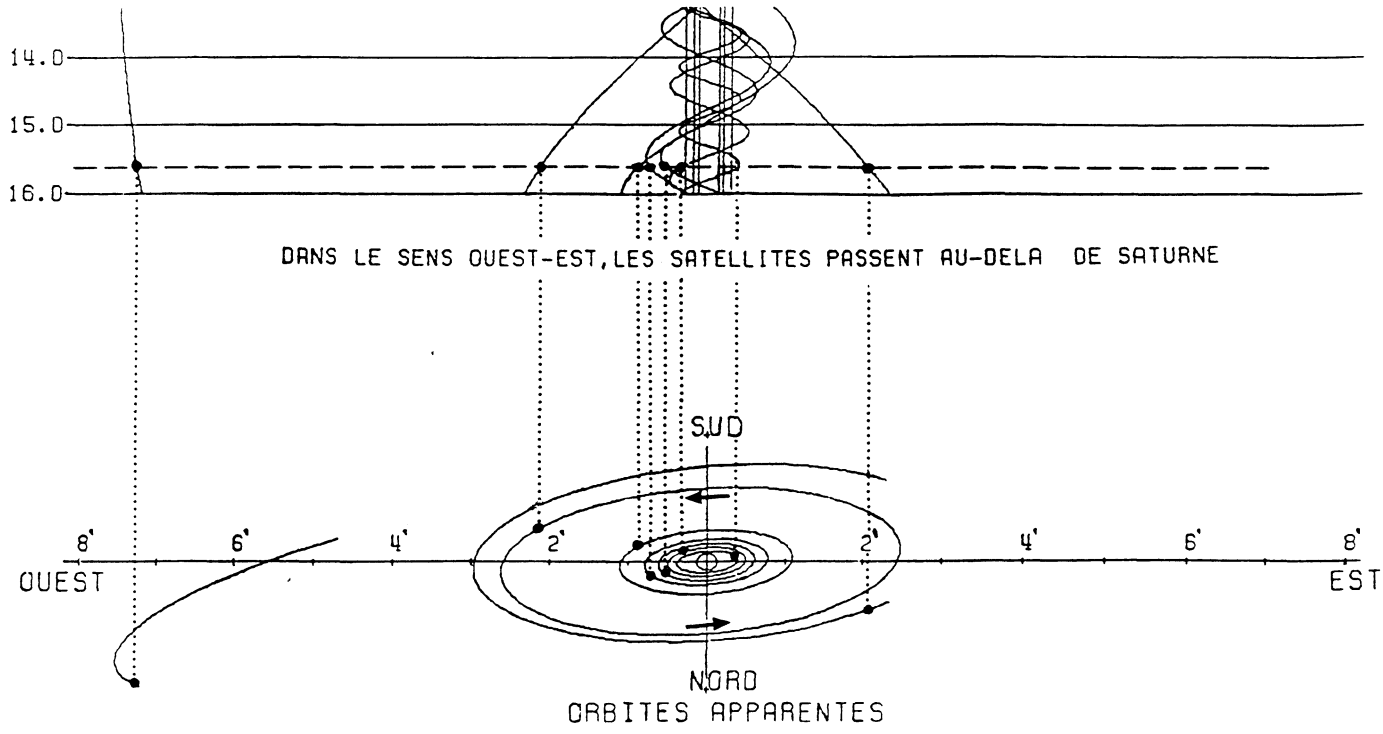
On reporte en abcisse sur l'axe ouest-est les distances $\Delta\alpha \cos\delta$ mesurées, pour la date voulue, sur les courbes. L'ordonnée est donnée par les orbites apparentes. L'indétermination avant/arrière est levée grâce au sens de rotation des satellites.

THE USE OF CONFIGURATIONS

The configurations allow the identification of the satellites and the determination of their position in tangential equatorial coordinates referred to the planet Saturn with the precision as follow (for a lecture on the curves with an accuracy of 0.5 millimeter) :

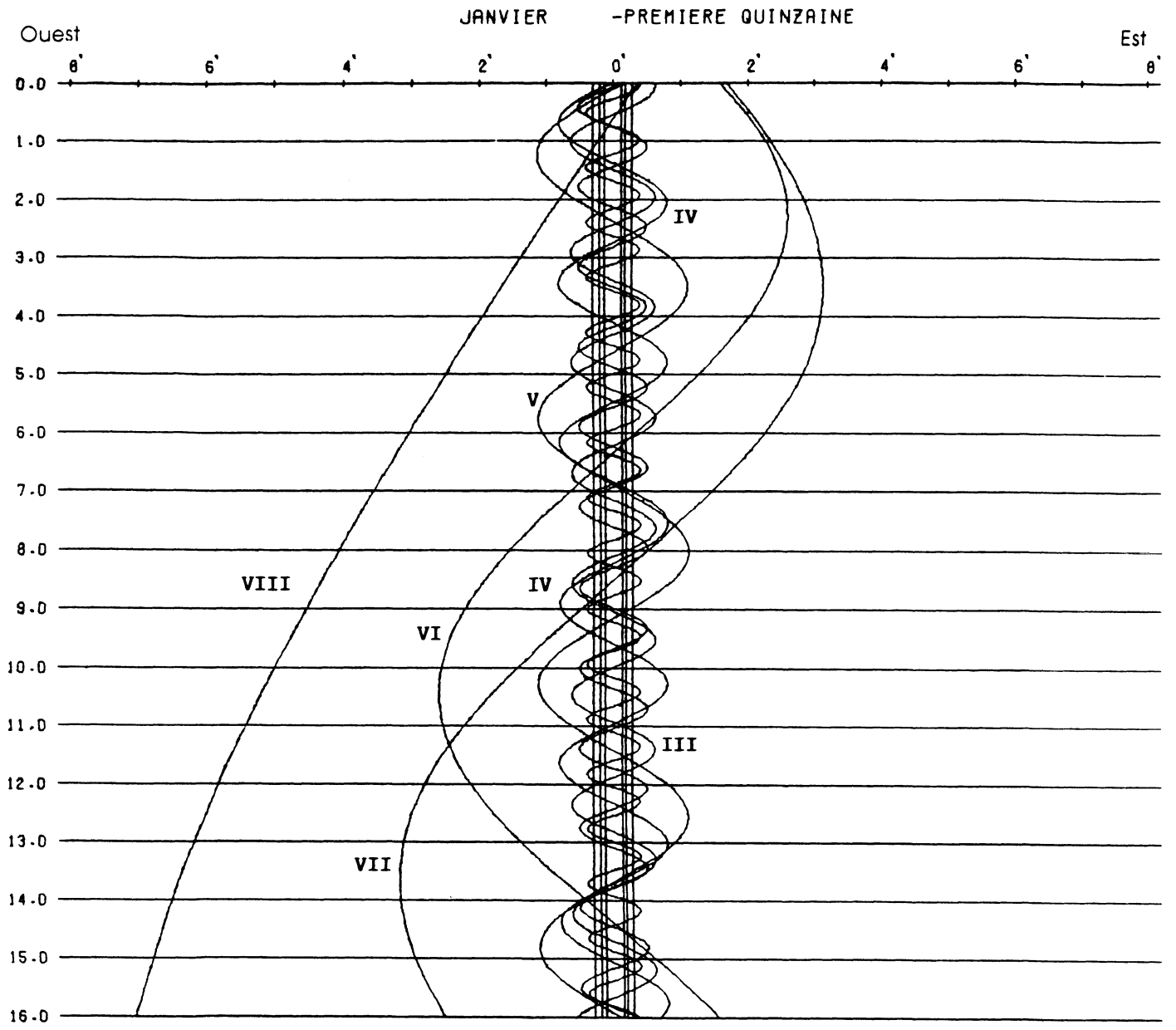
I	: 2 to 10"	V	: 2 to 3"
II	: 2 to 8"	VI	: 2 to 3"
III	: 2 to 6"	VII	: 2 to 3"
IV	: 2 to 4"	VIII	: 2 to 3"

This example shows how to proceed :

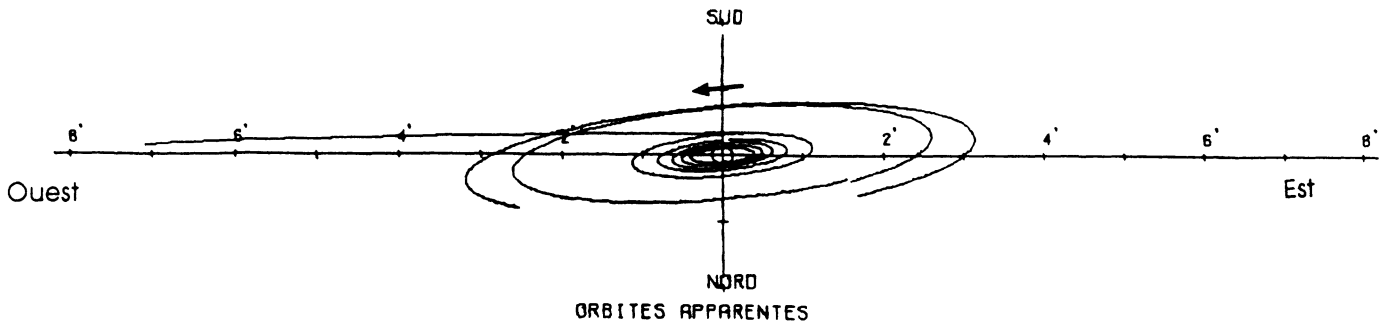


The distances $\Delta\alpha \cos\delta$, measured on the curves for the choosen date, are plotted in abcissa on west-east axis. The ordinate is given by the apparent orbits. The direction of the rotation indicates if the satellite is before or behind the planet on its orbit.

1993 .-CONFIGURATIONS DES SATELLITES DE SATURNE

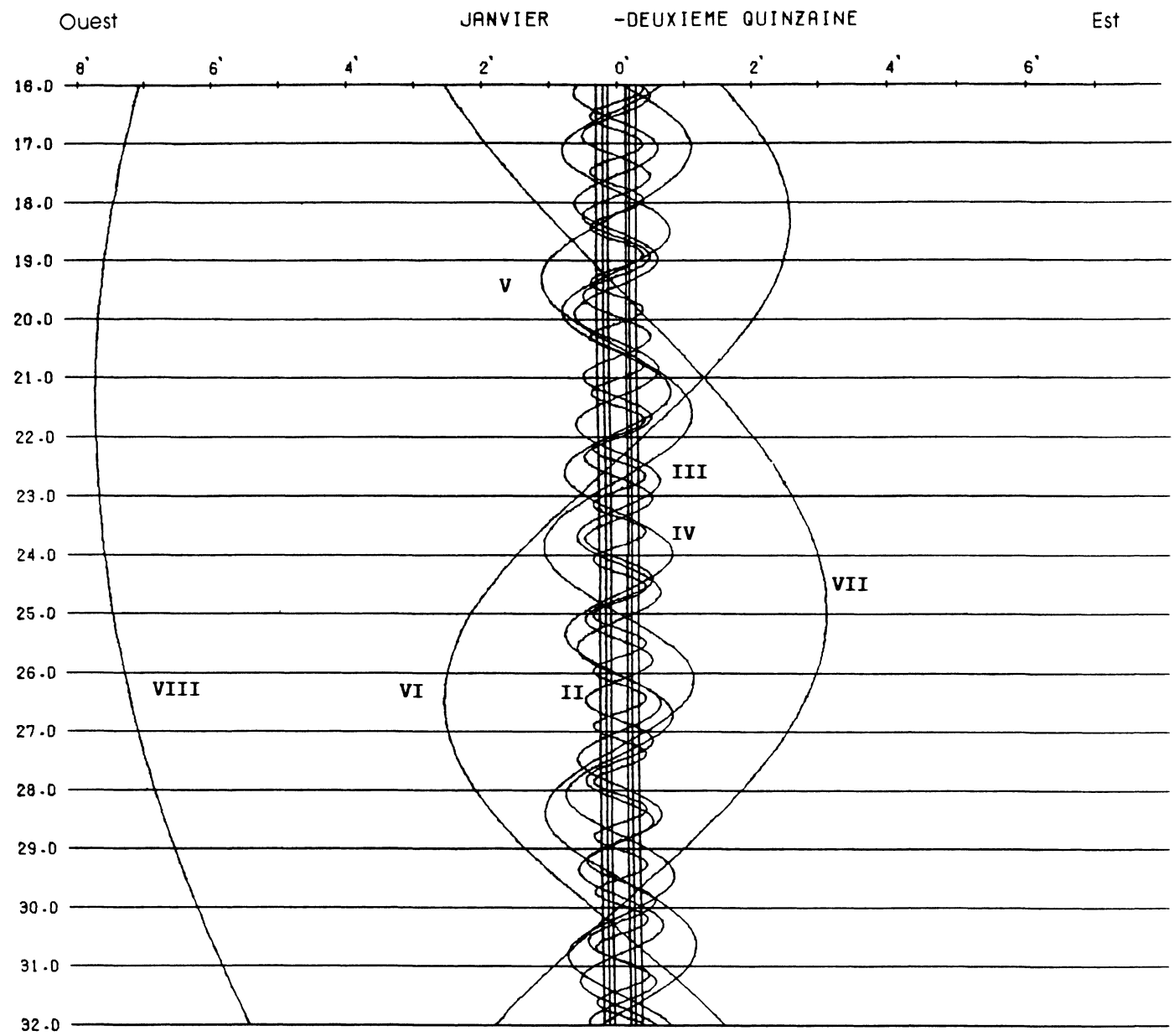


DANS LE SENS OUEST-EST.LES SATELLITES PASSENT AU-DELA DE SATURNE

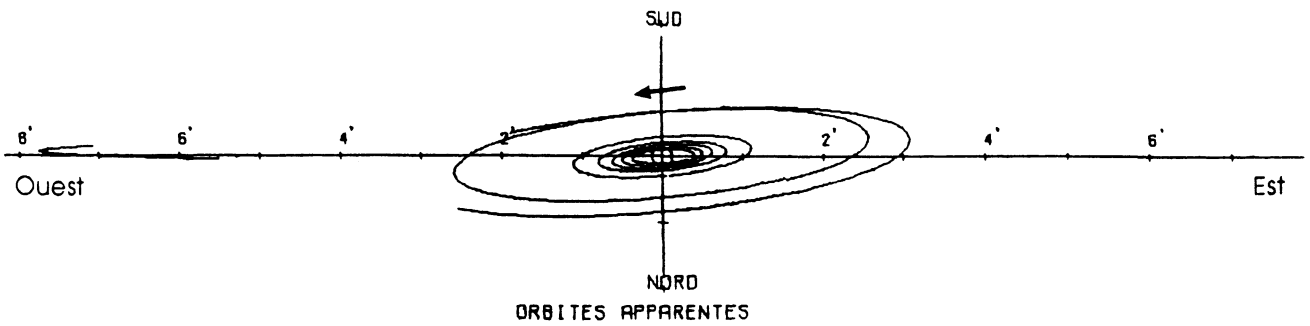


ORBITES APPARENTES

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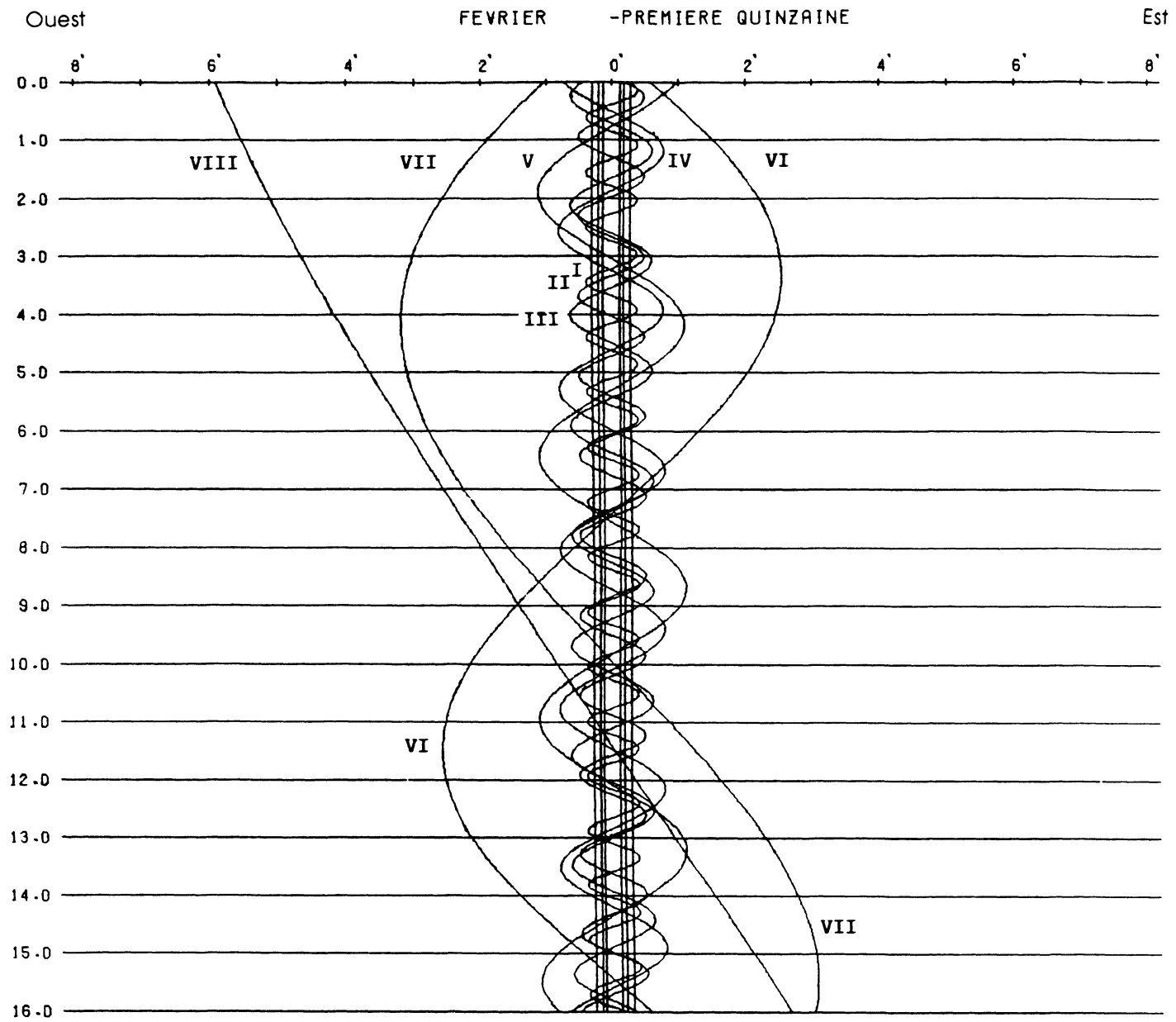


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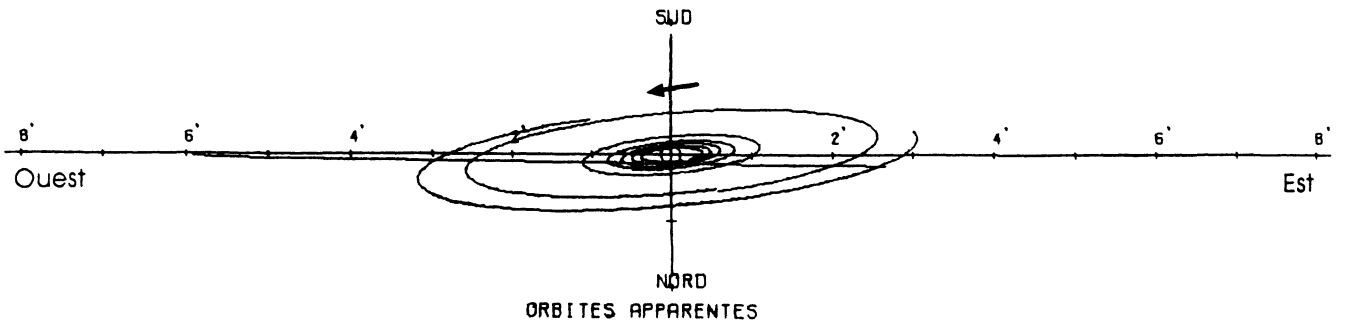


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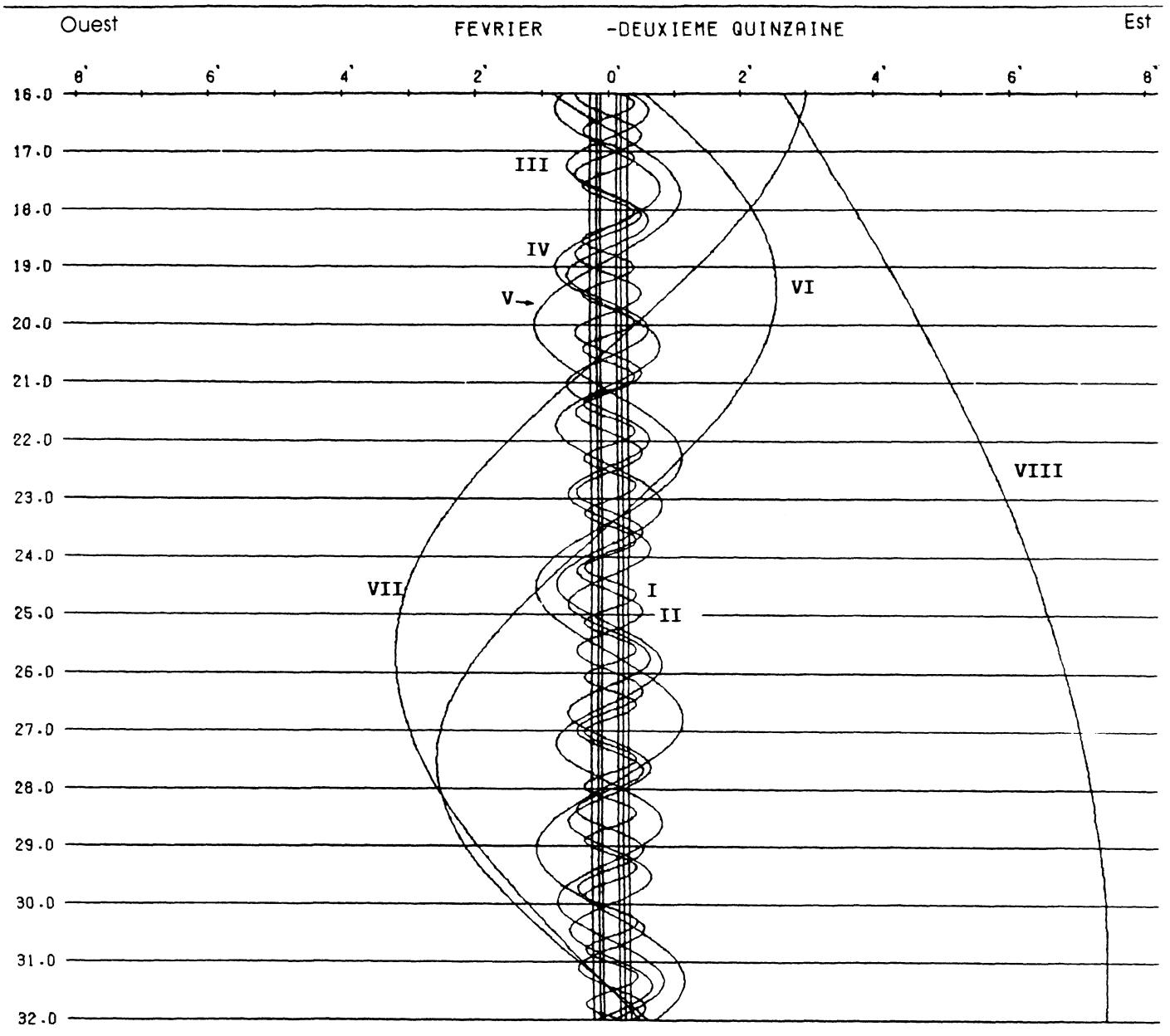


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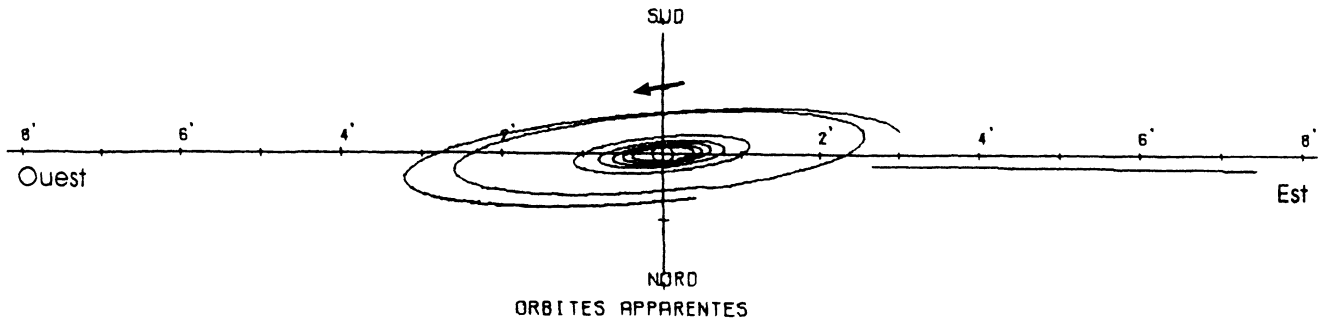


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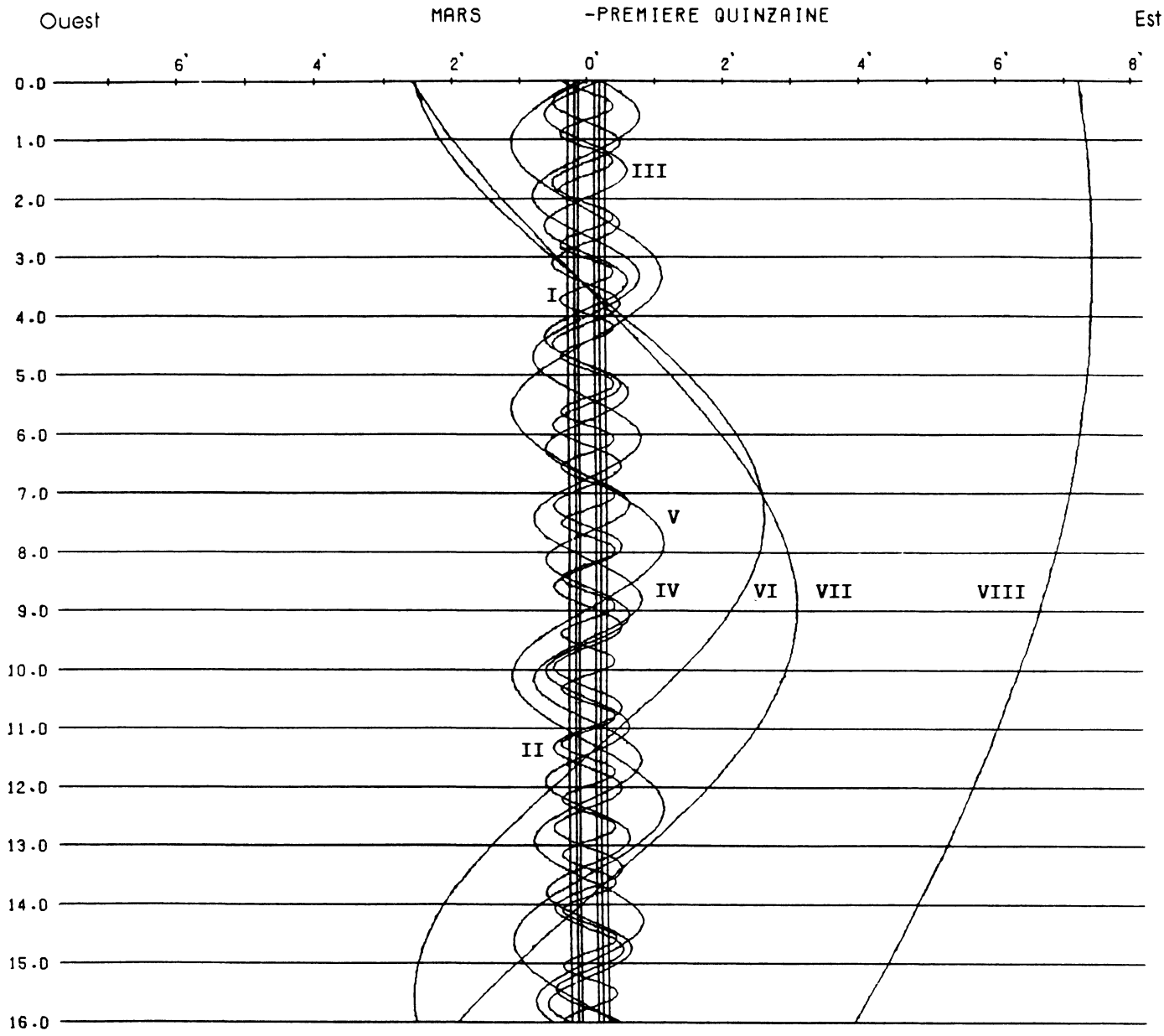


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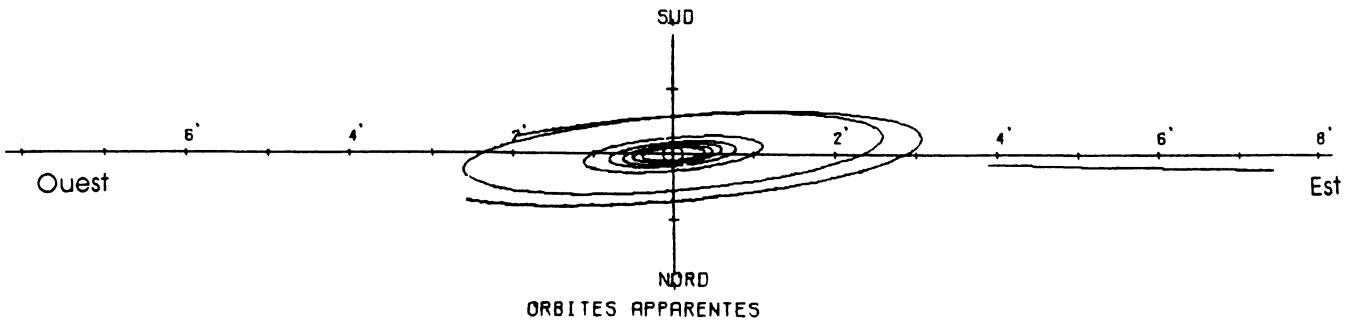


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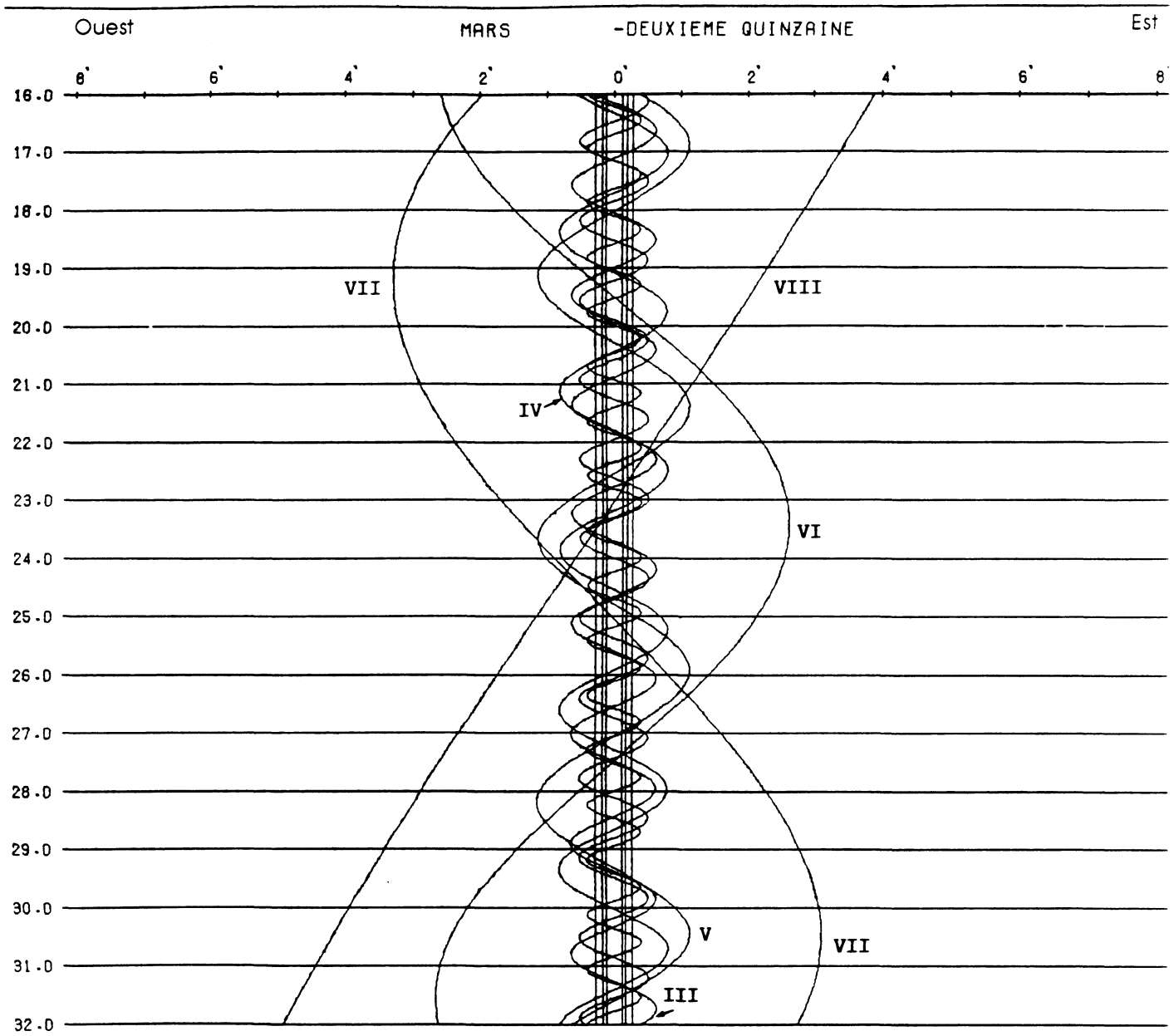


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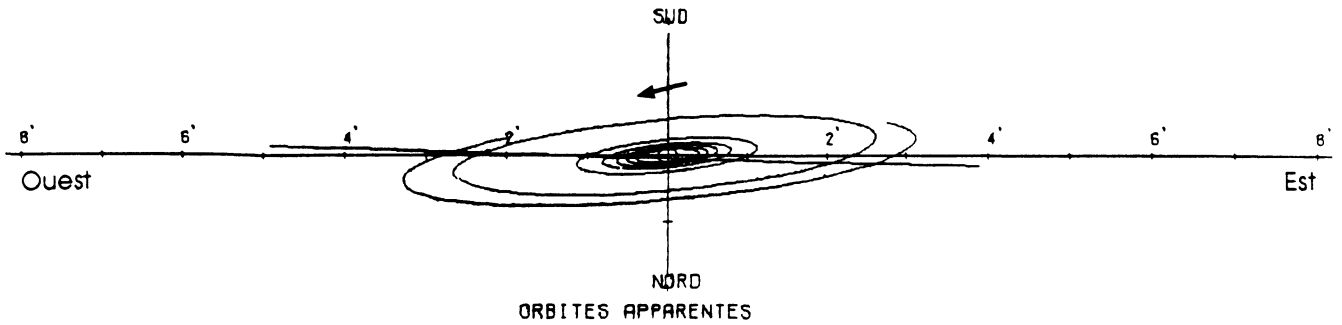


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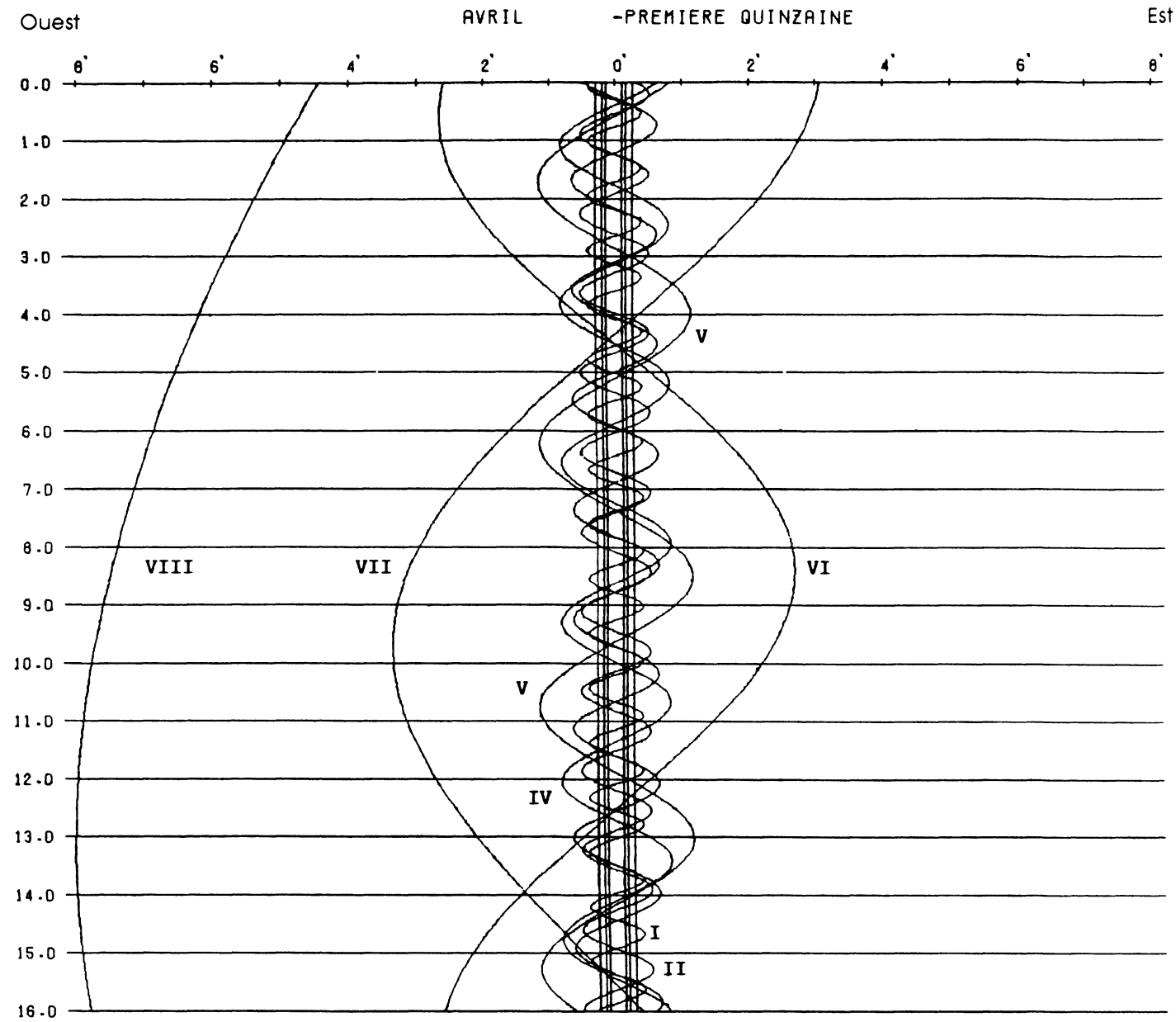


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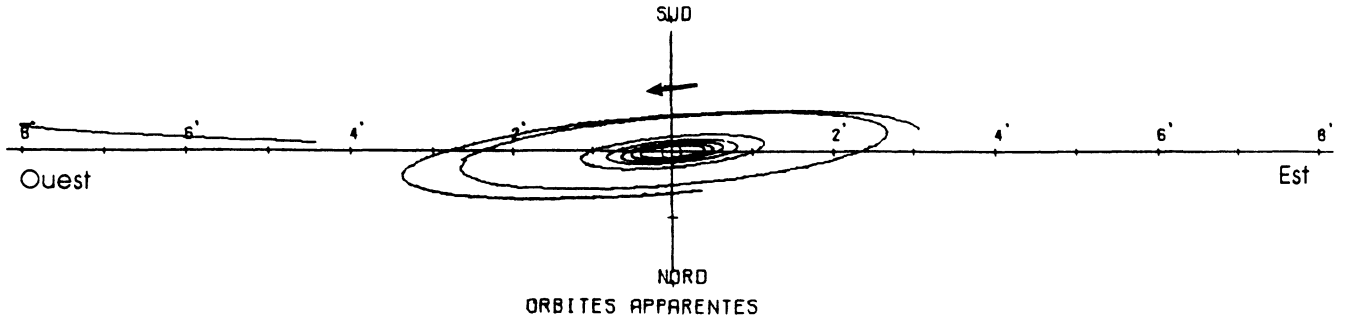


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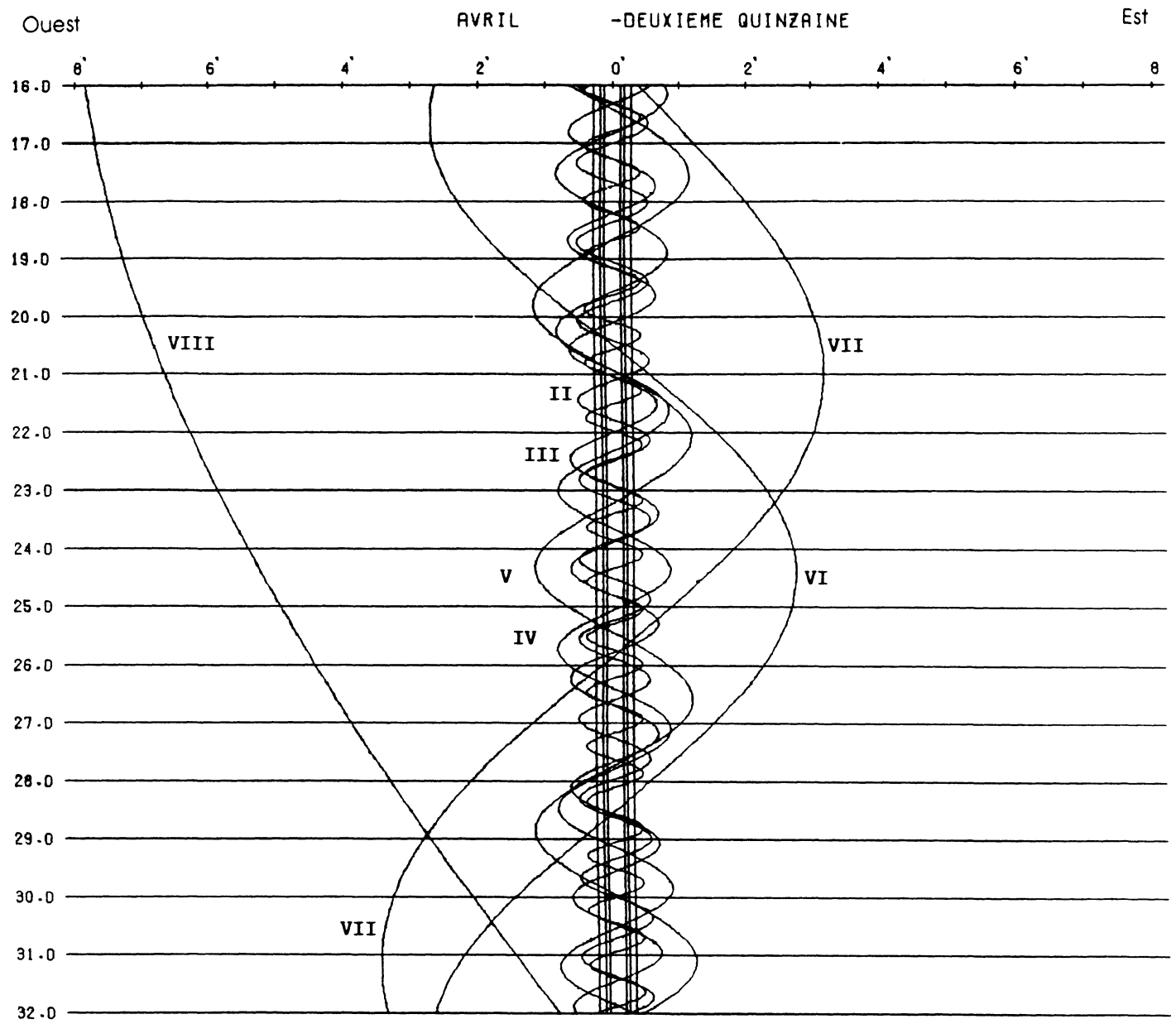


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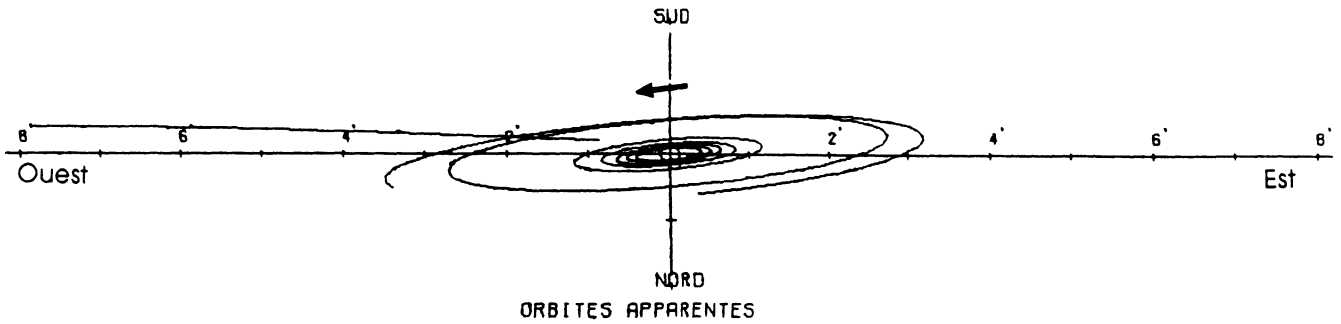


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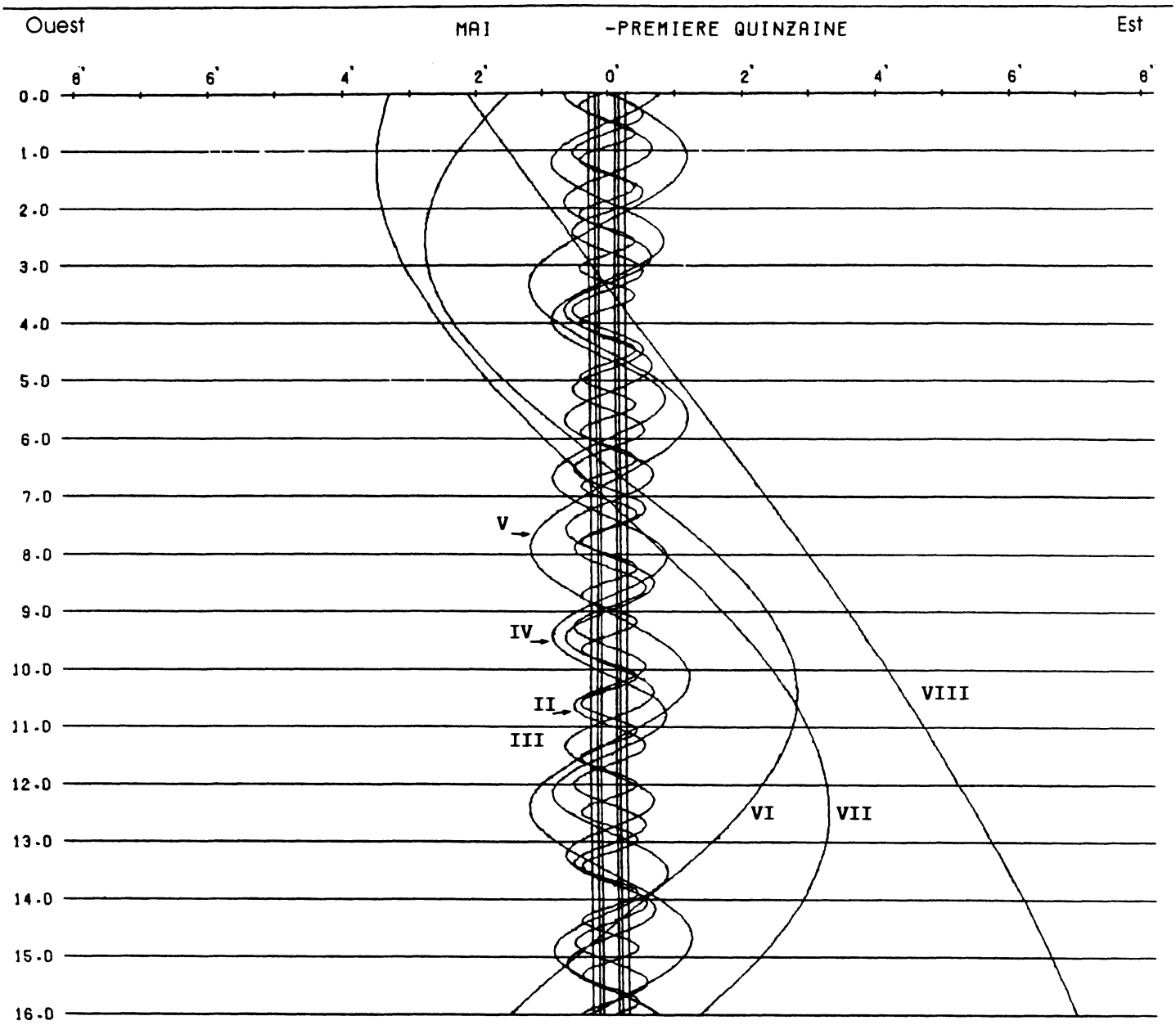


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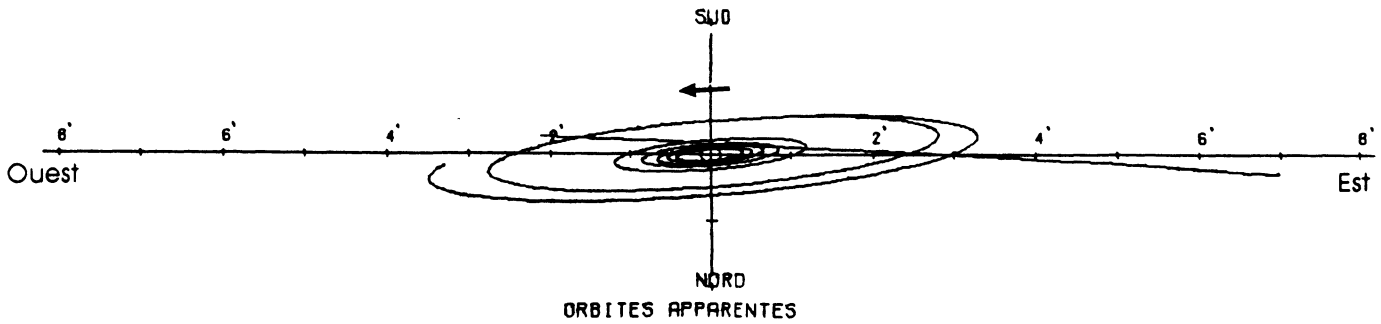


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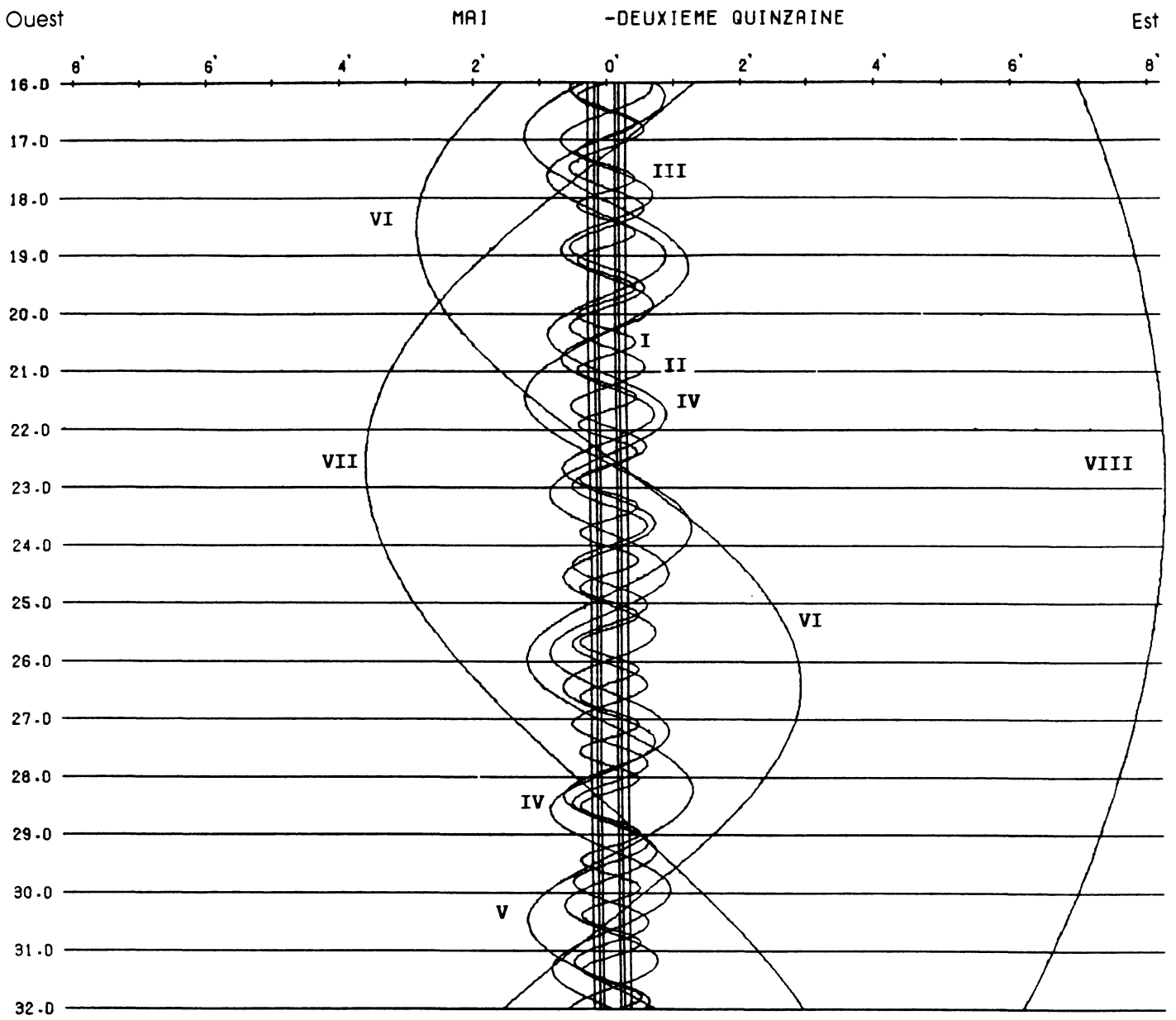


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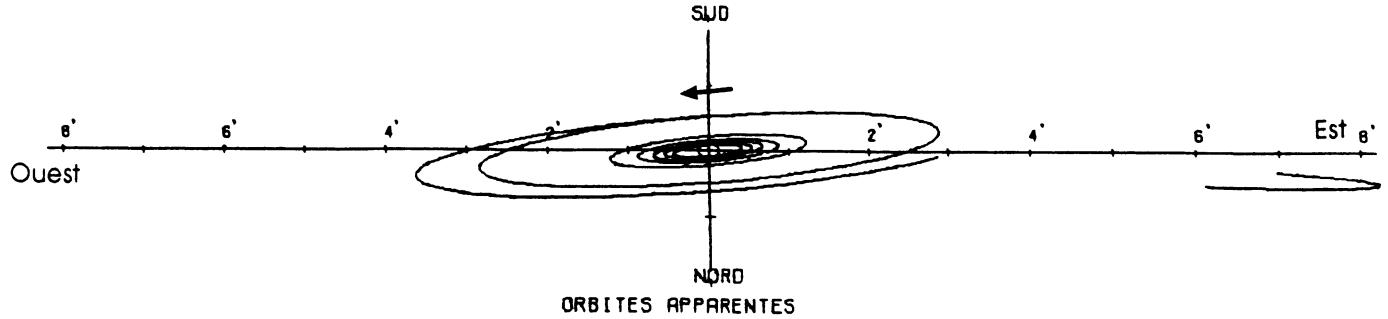


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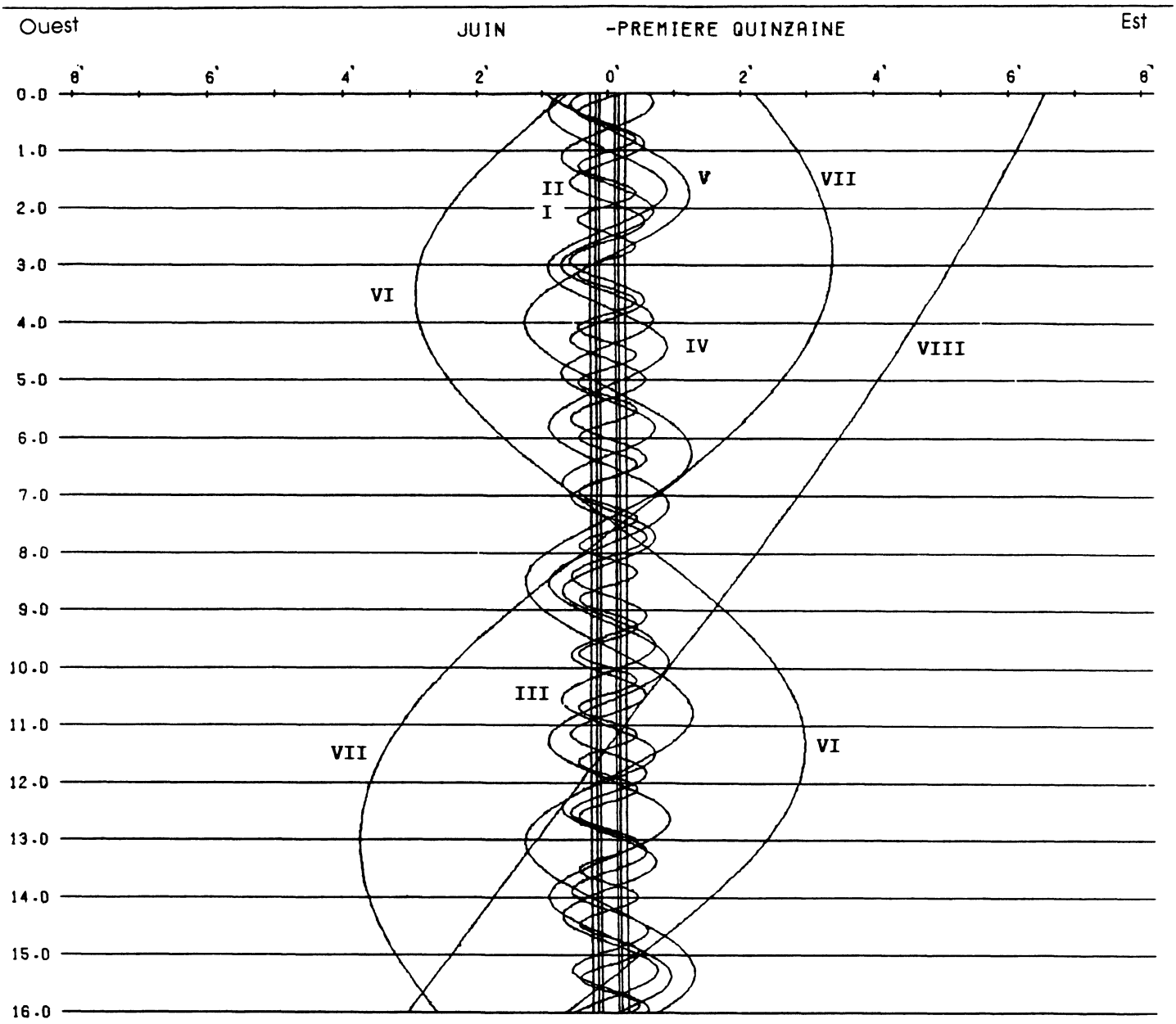


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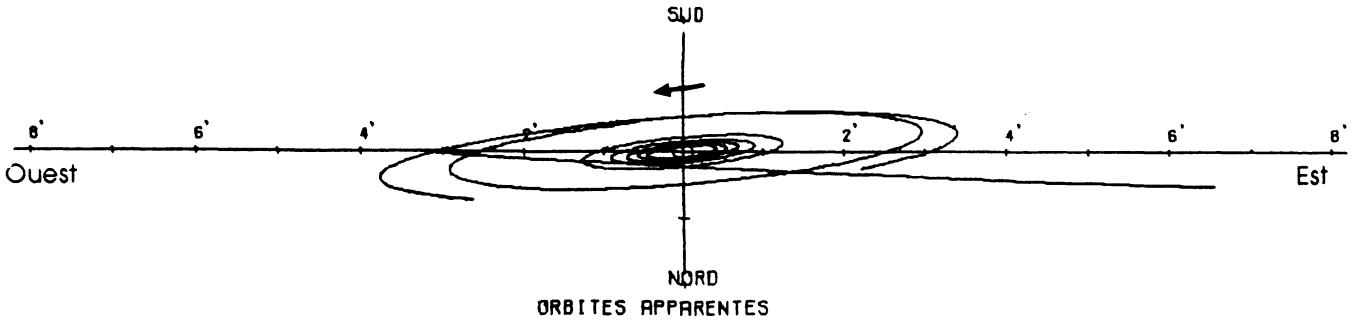


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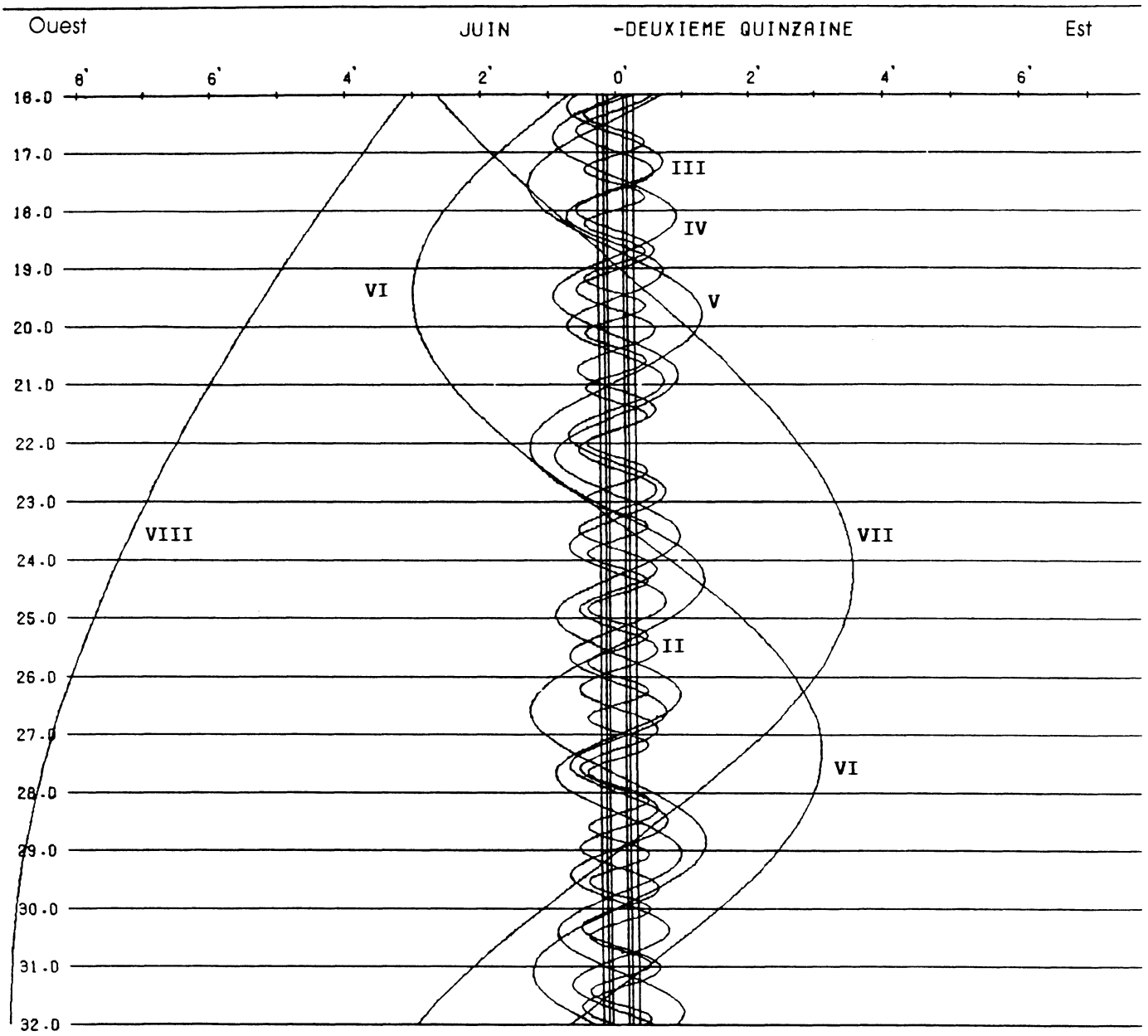


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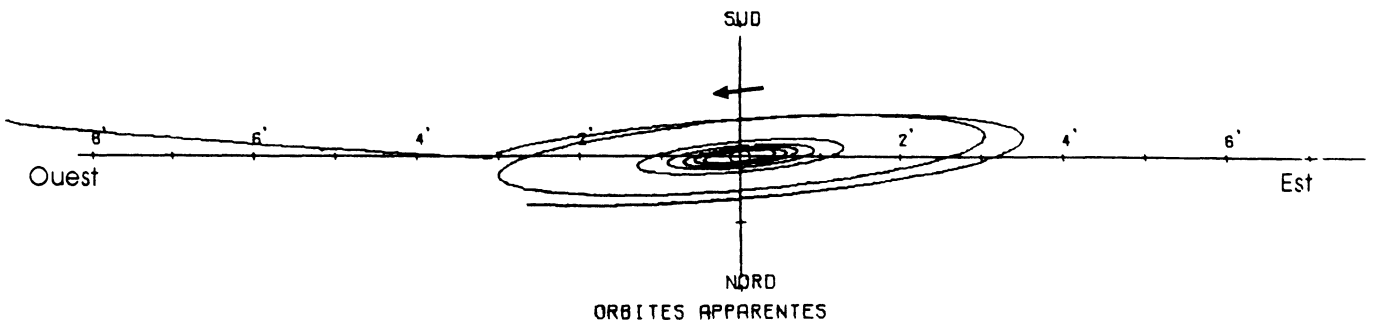


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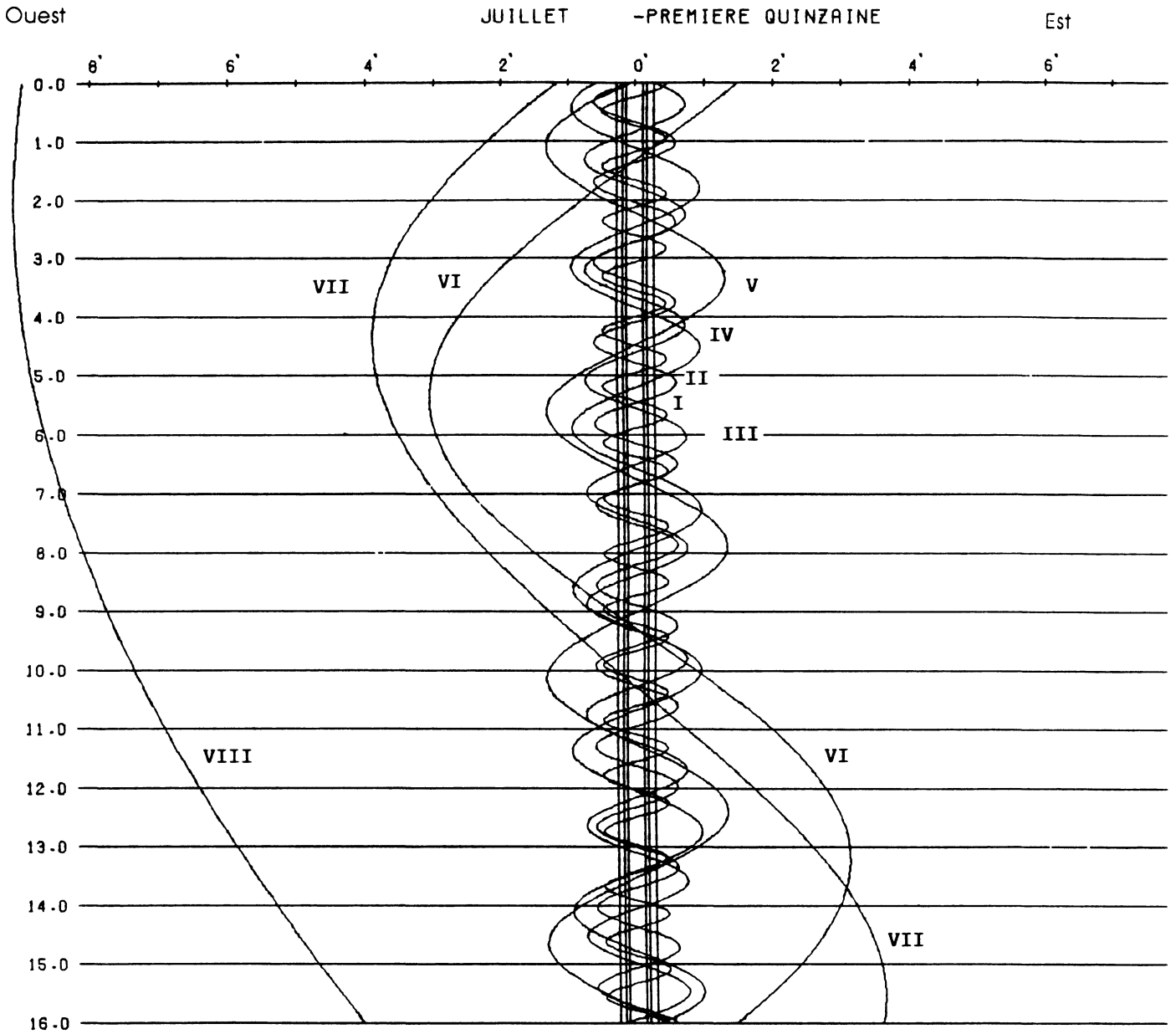


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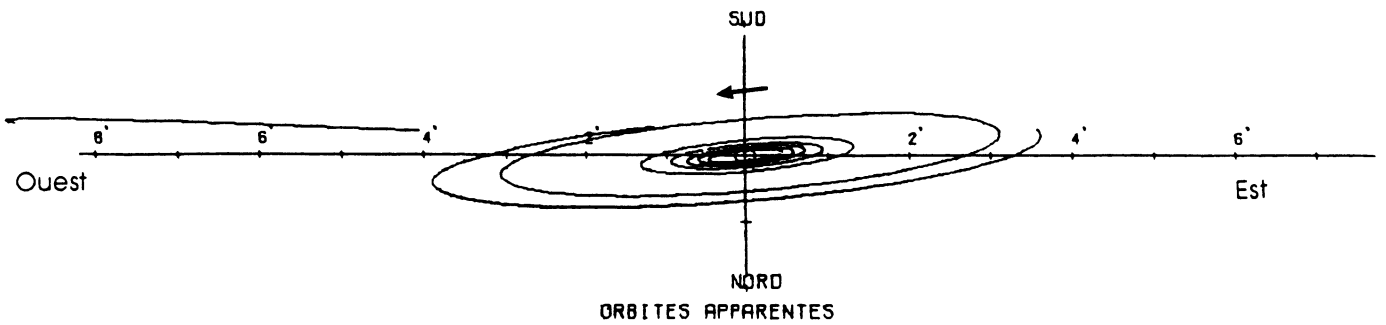


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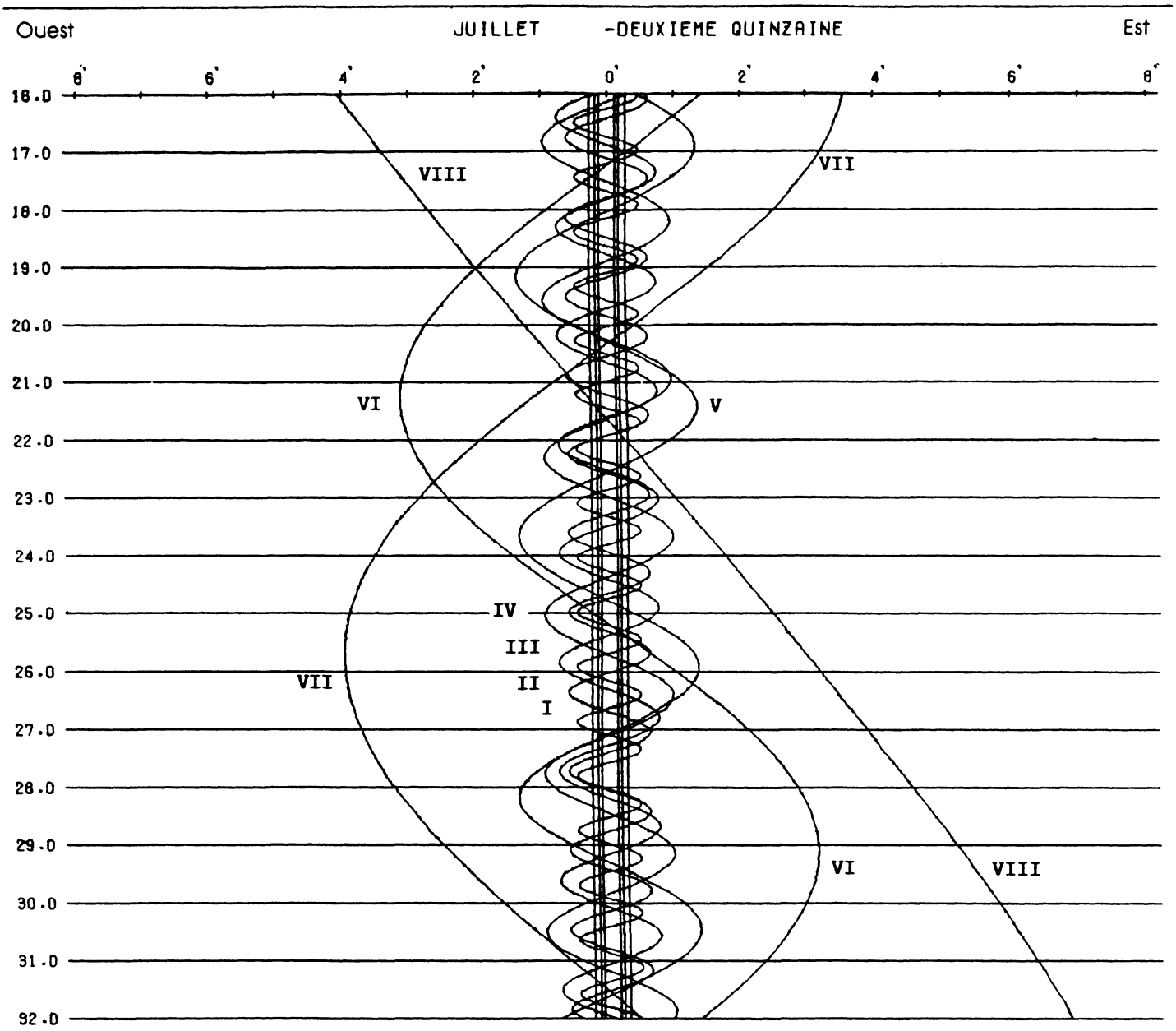


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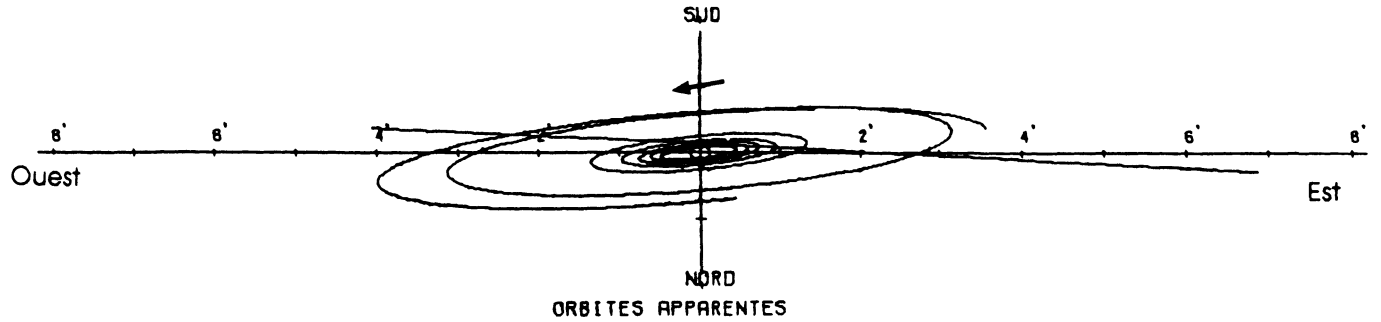


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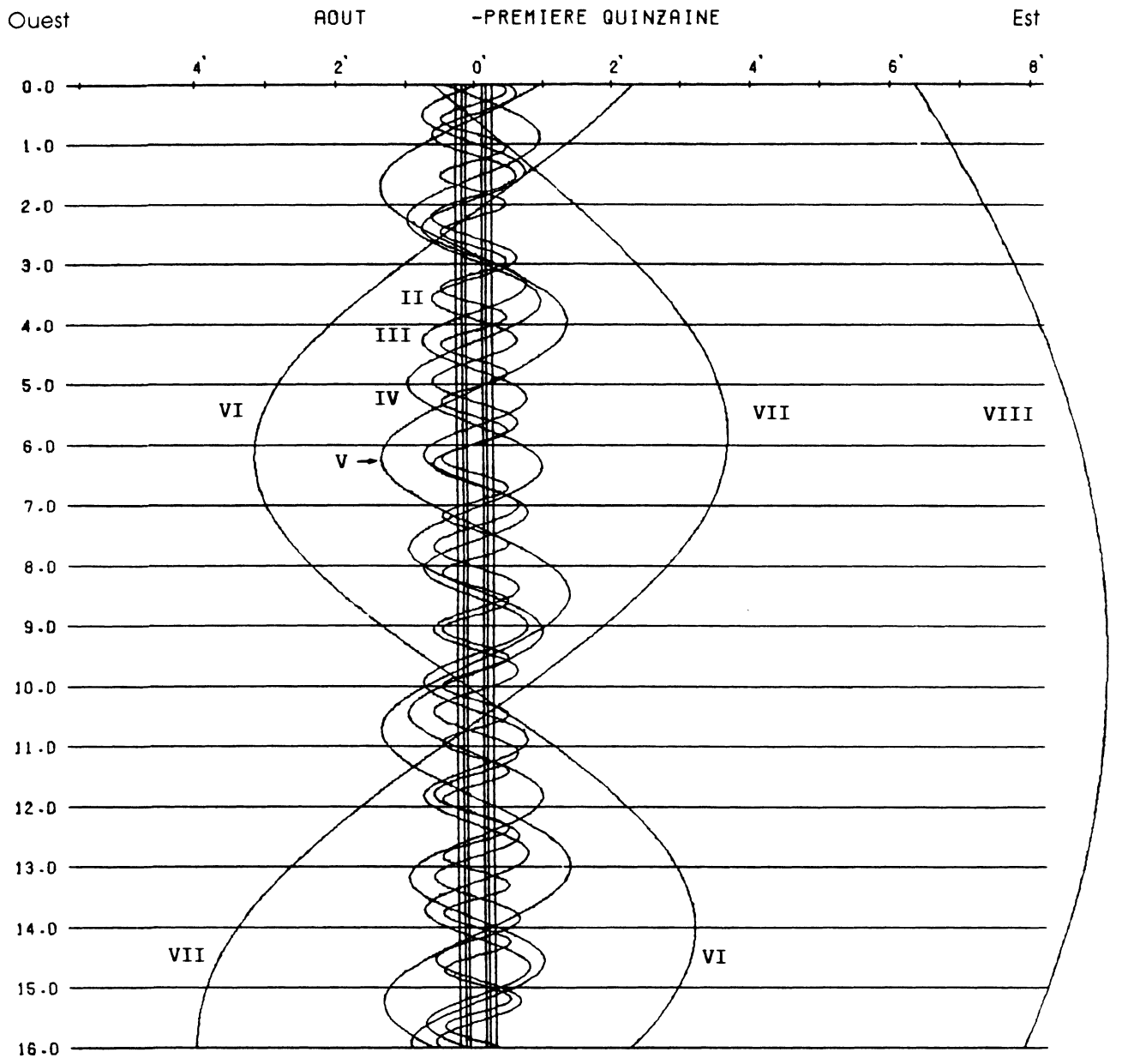


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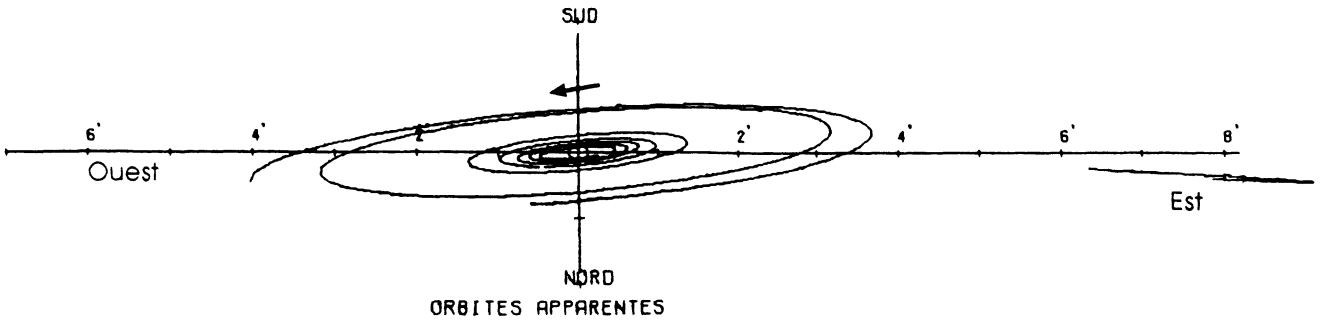


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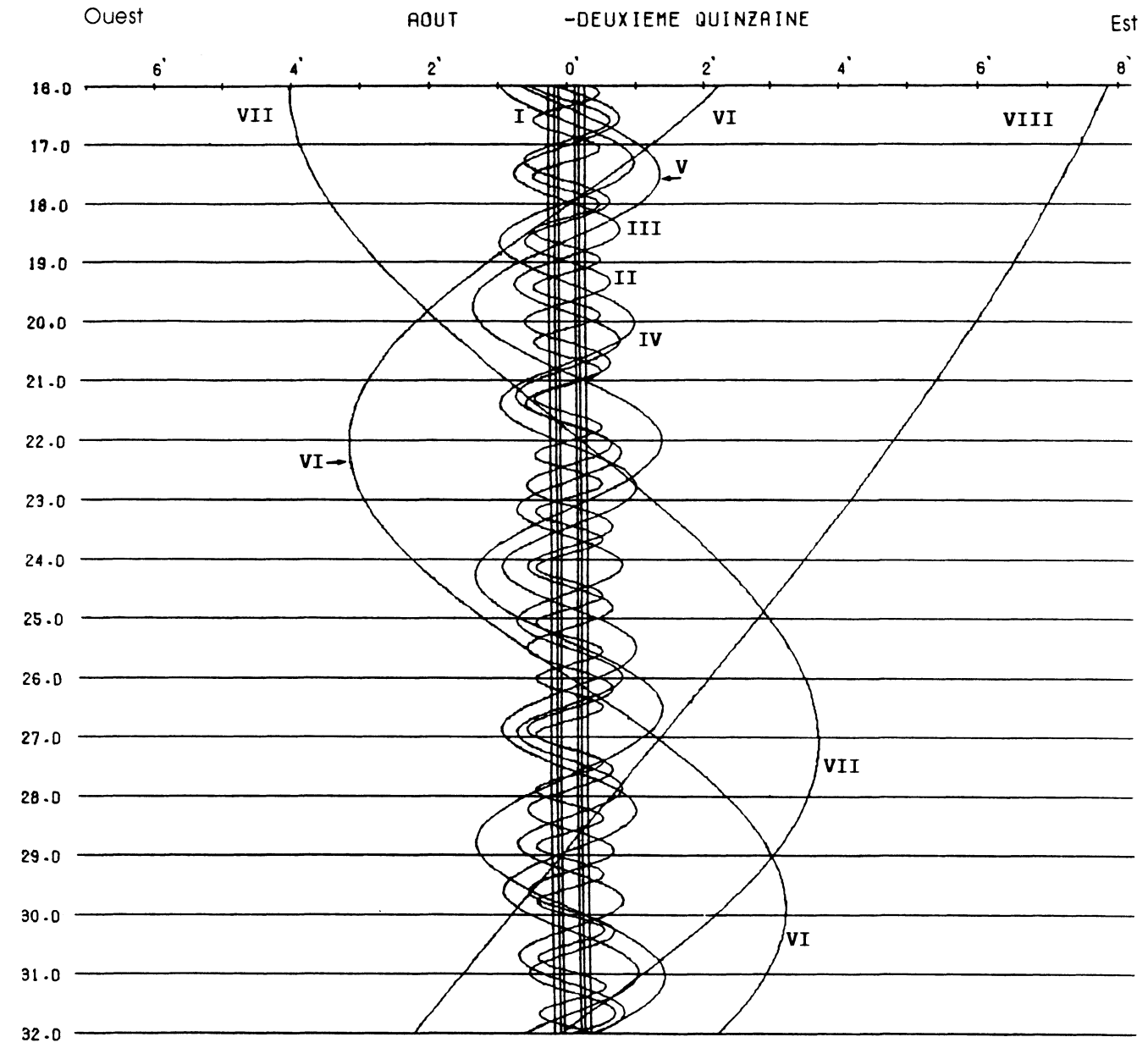


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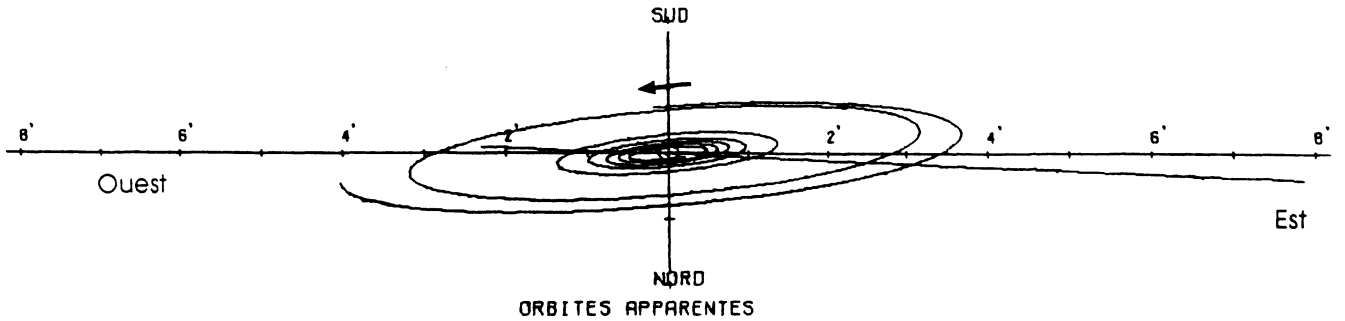


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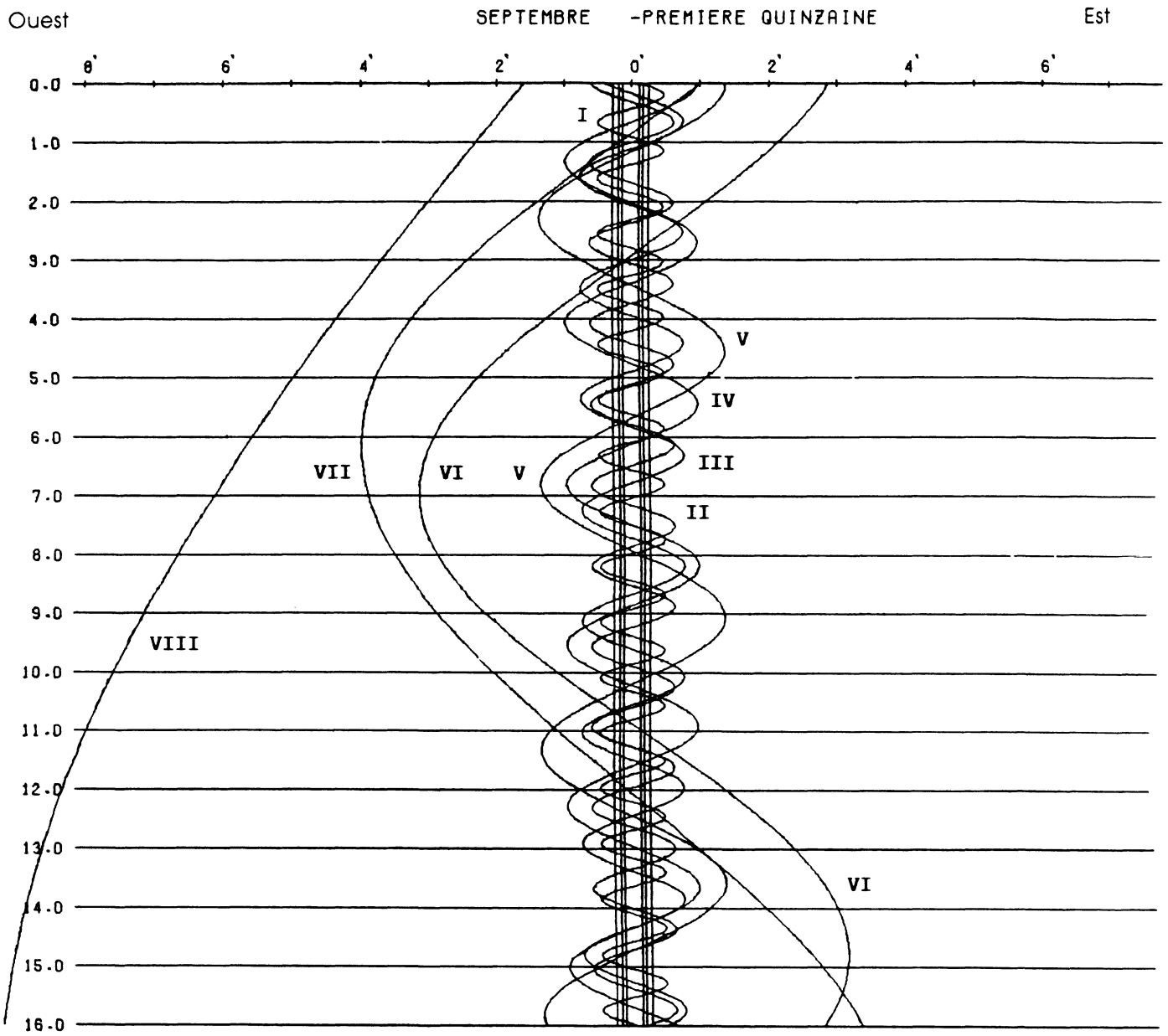


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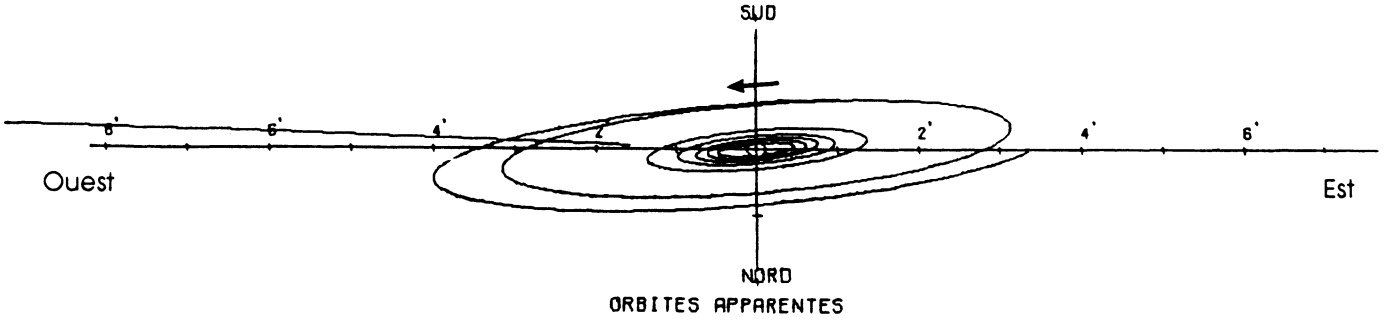


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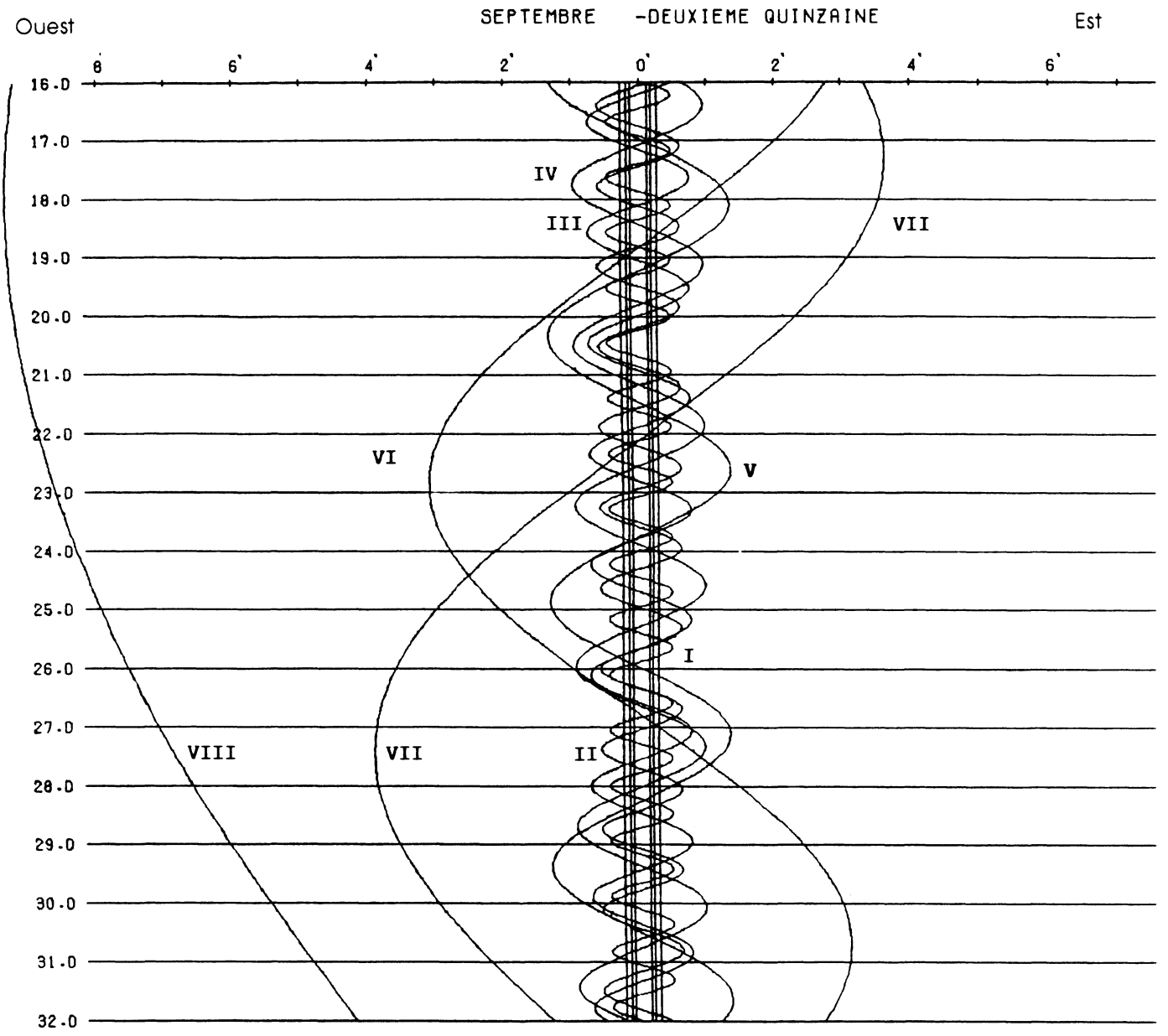


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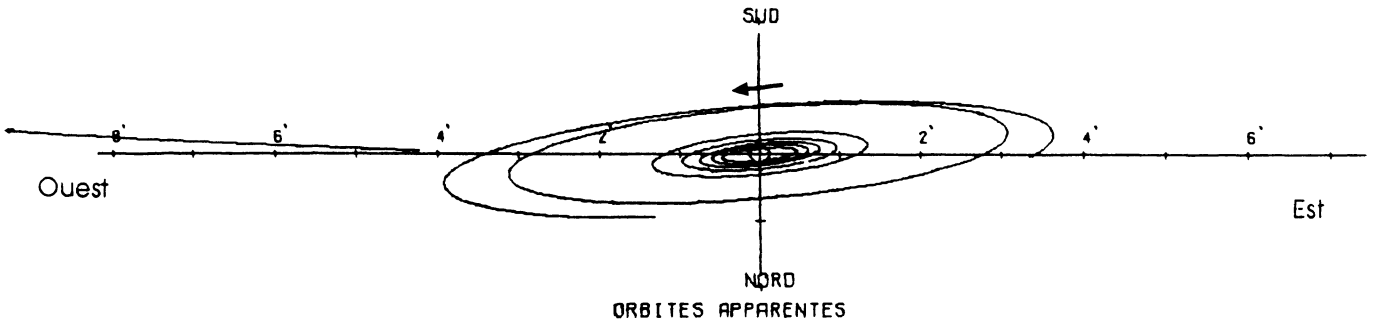


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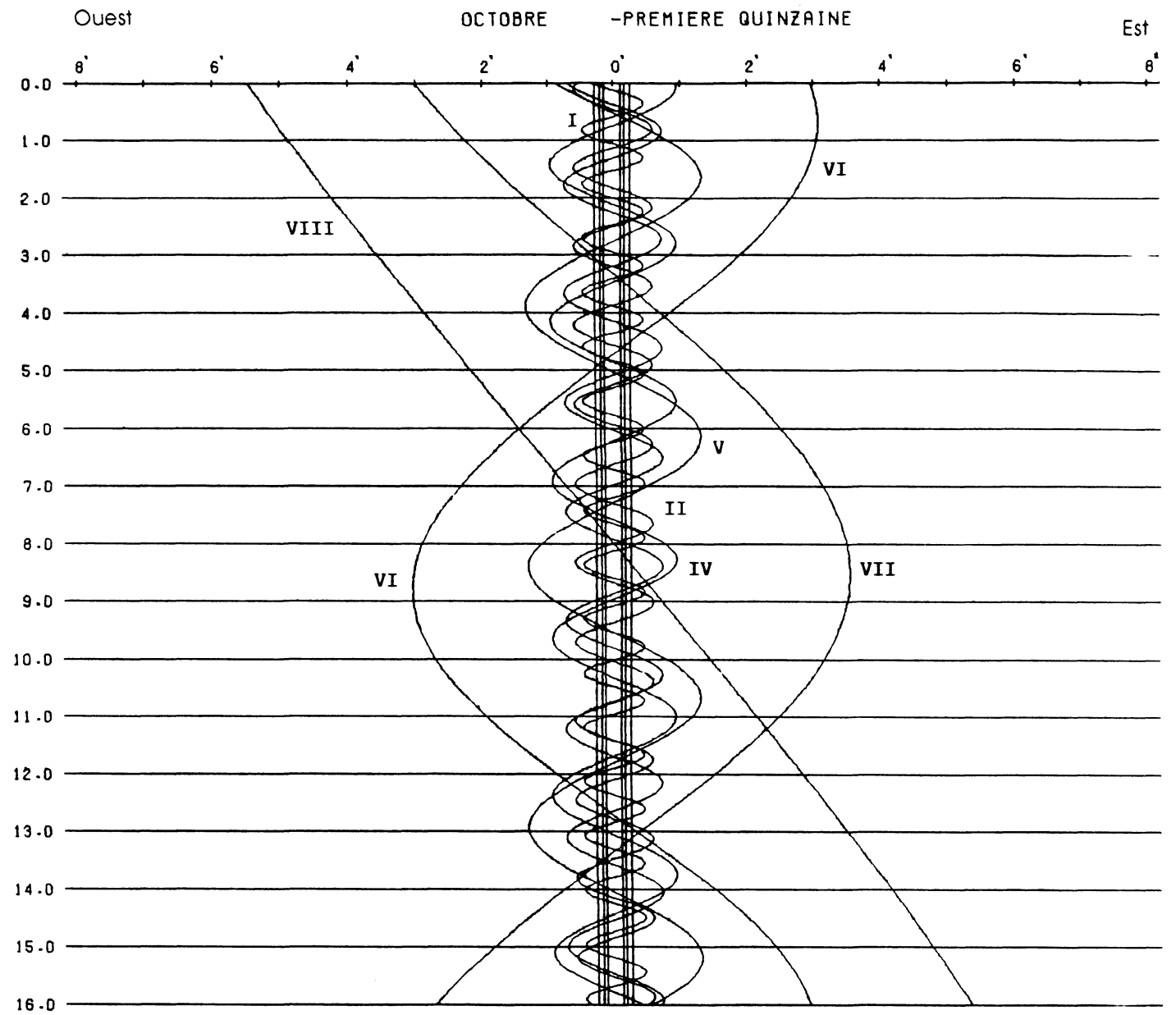


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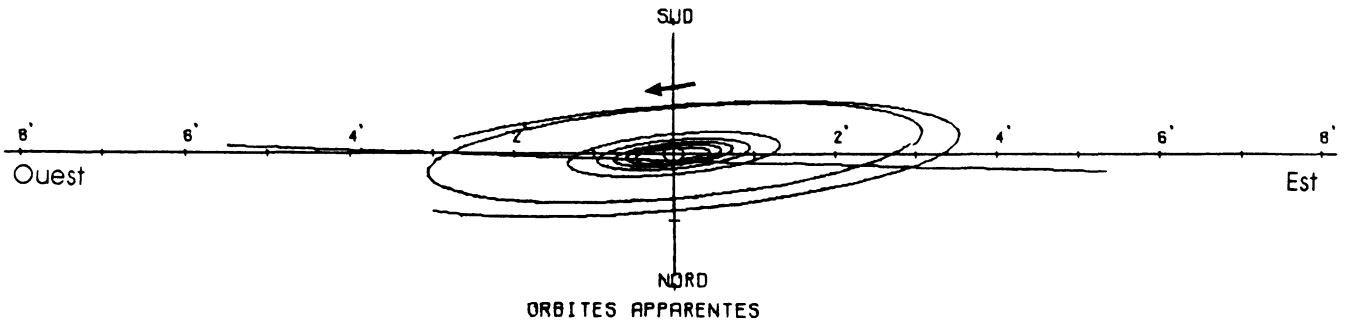


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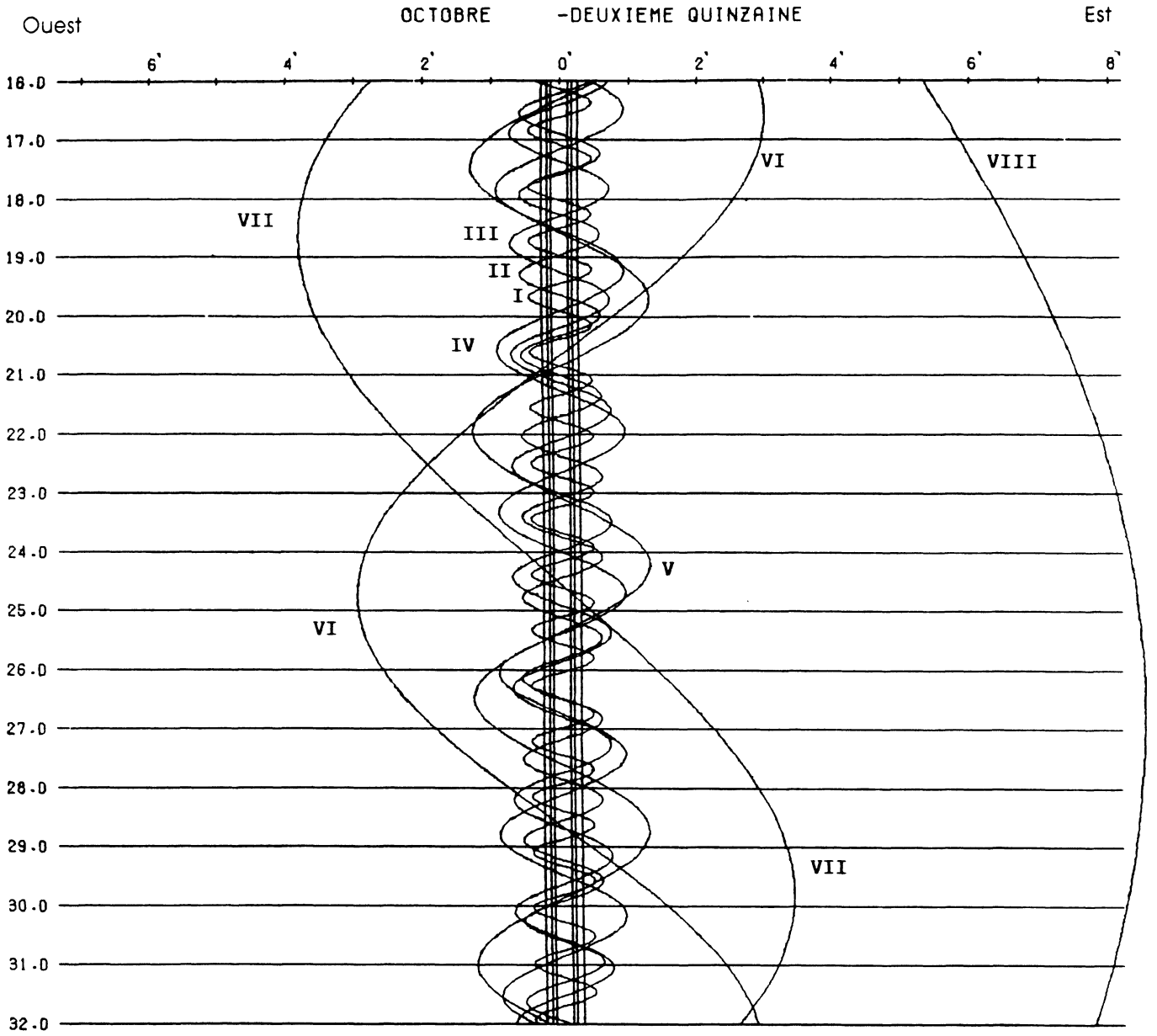


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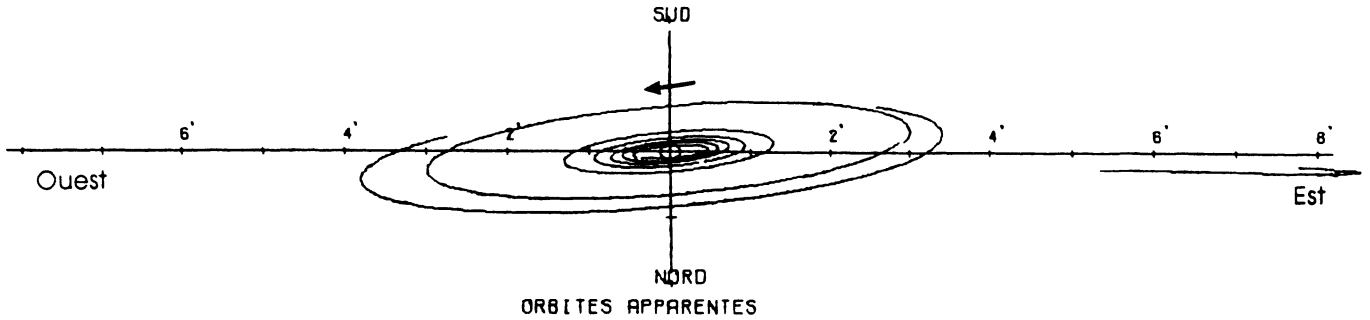


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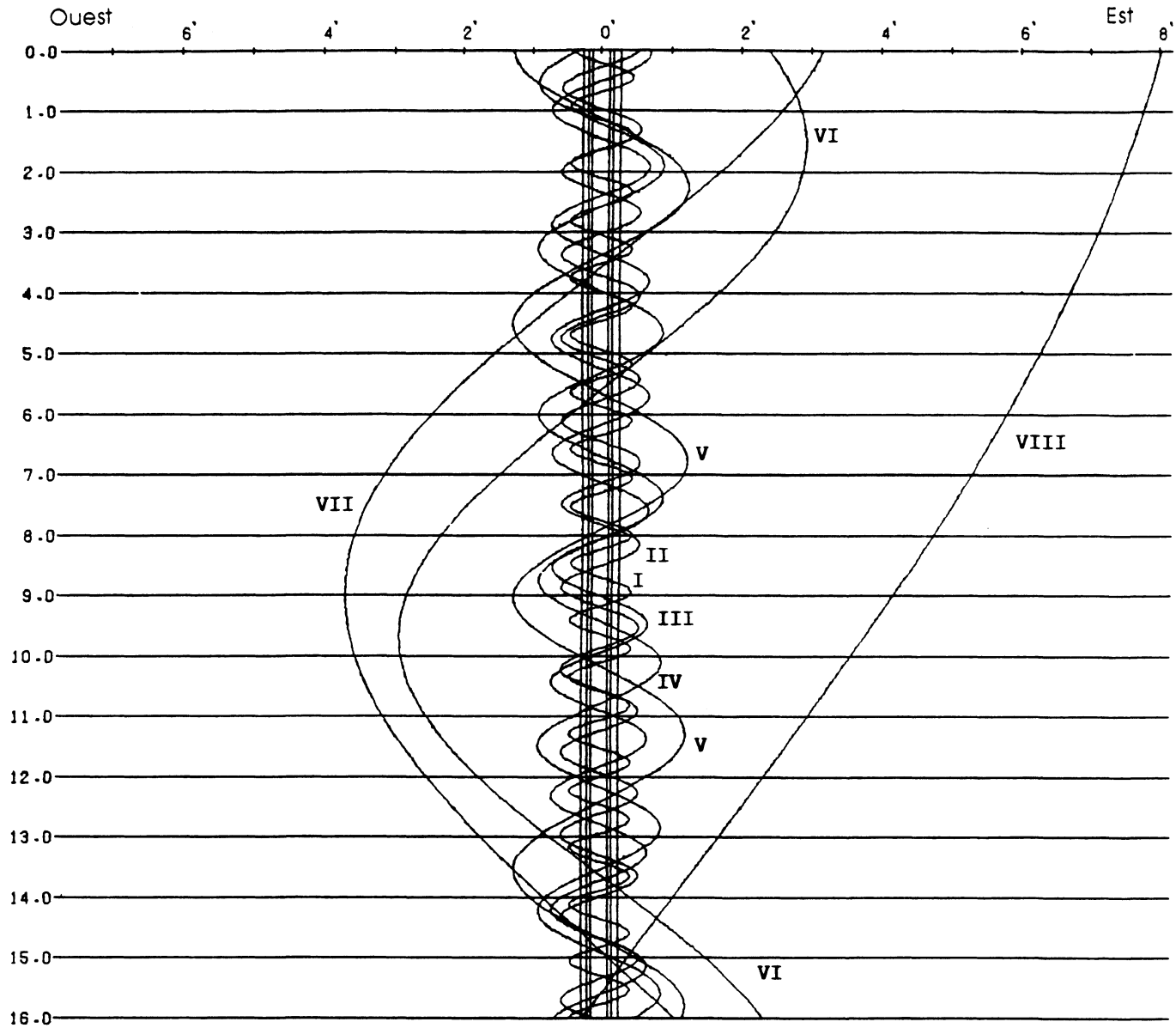
DANS LE SENS OUEST-EST,LES SATELLITES PASSENT AU-DELA DE SATURNE



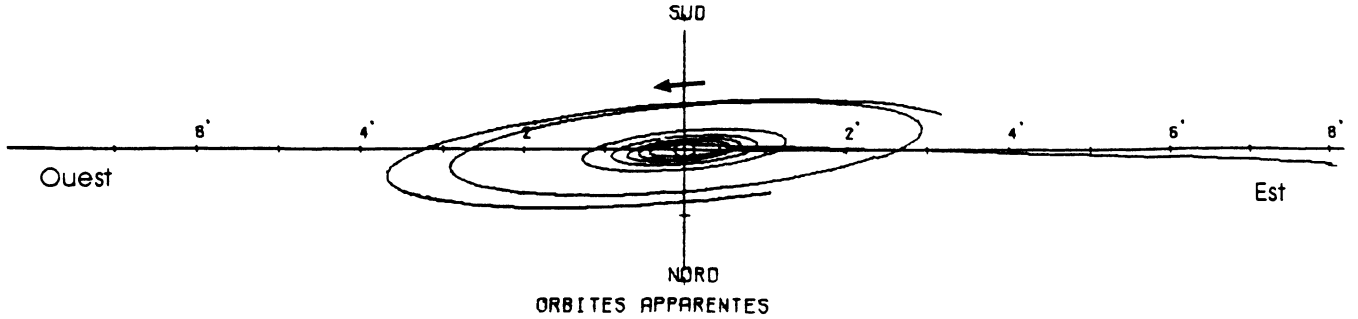
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NOVEMBRE -PREMIERE QUINZAINE

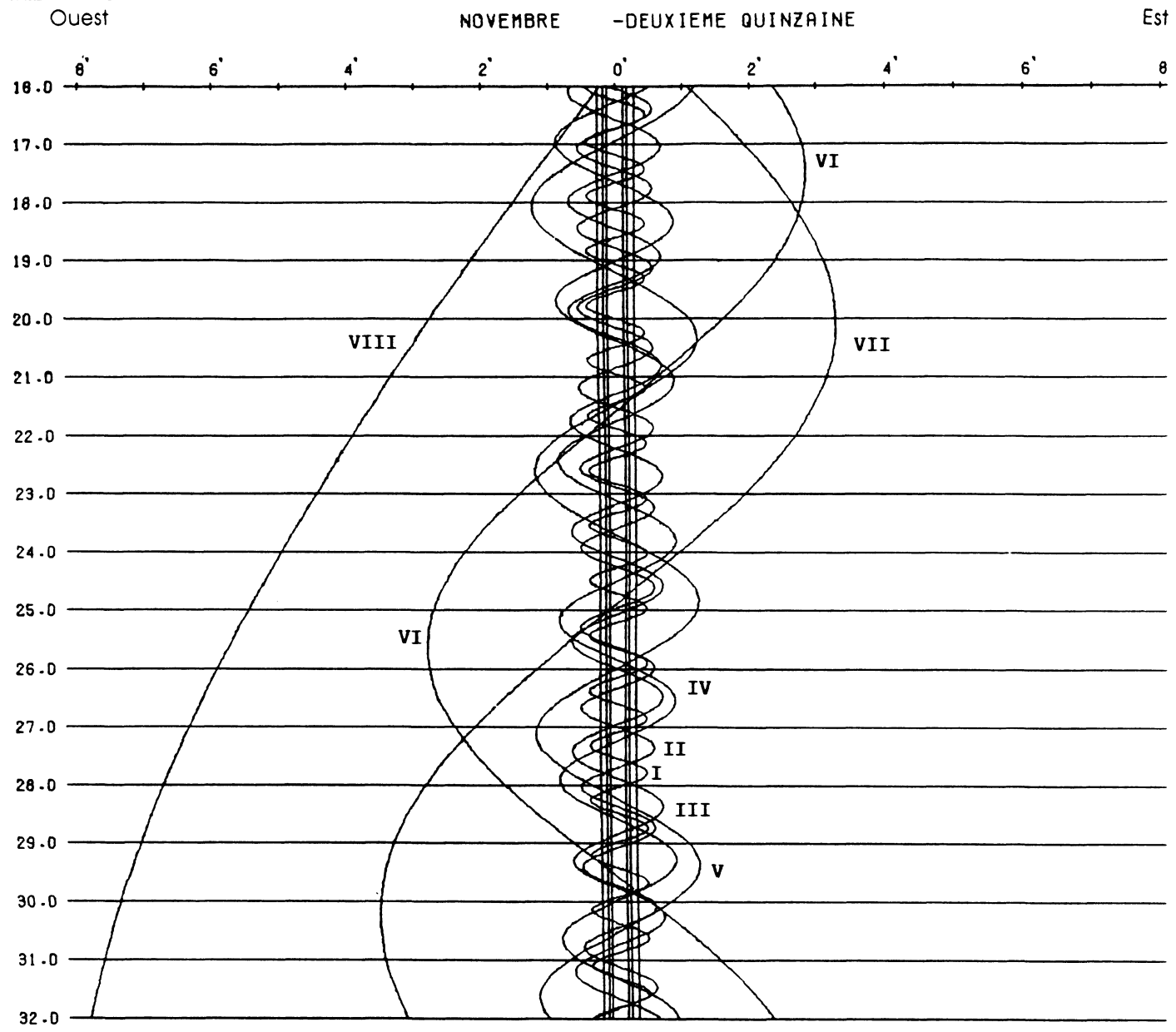


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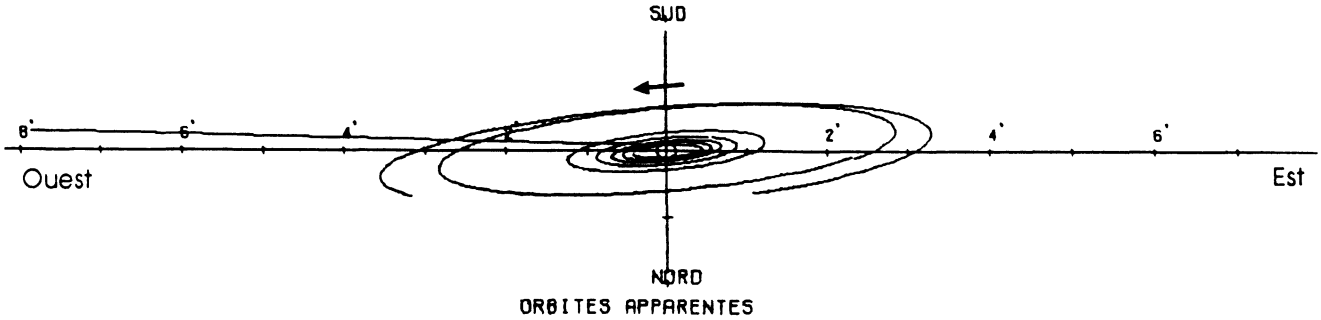


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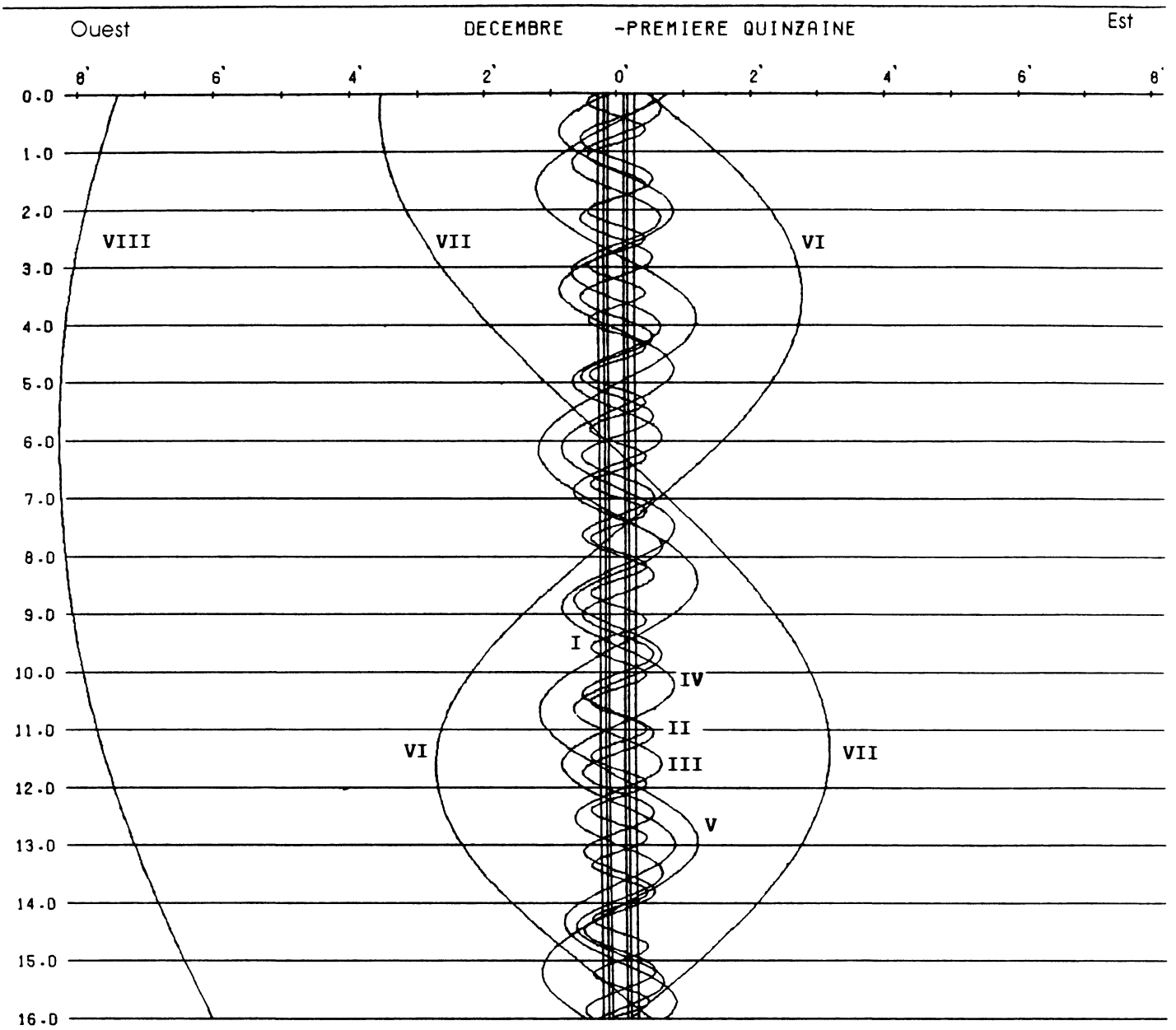


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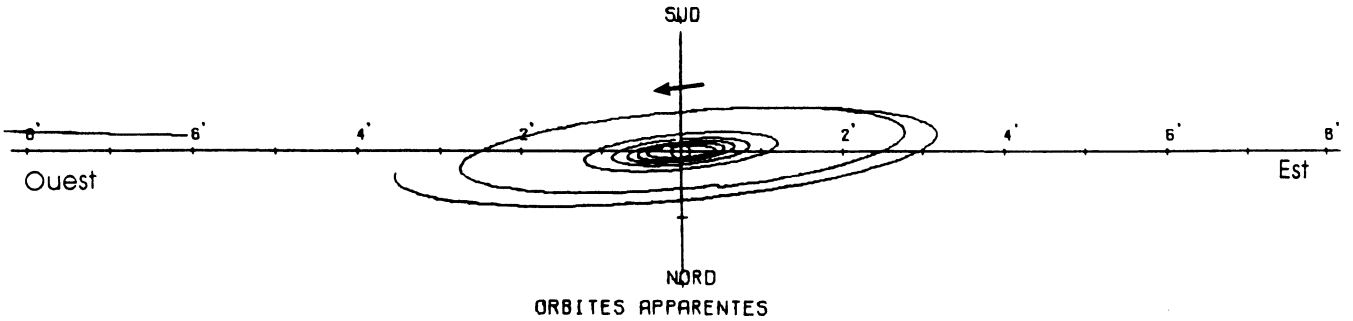


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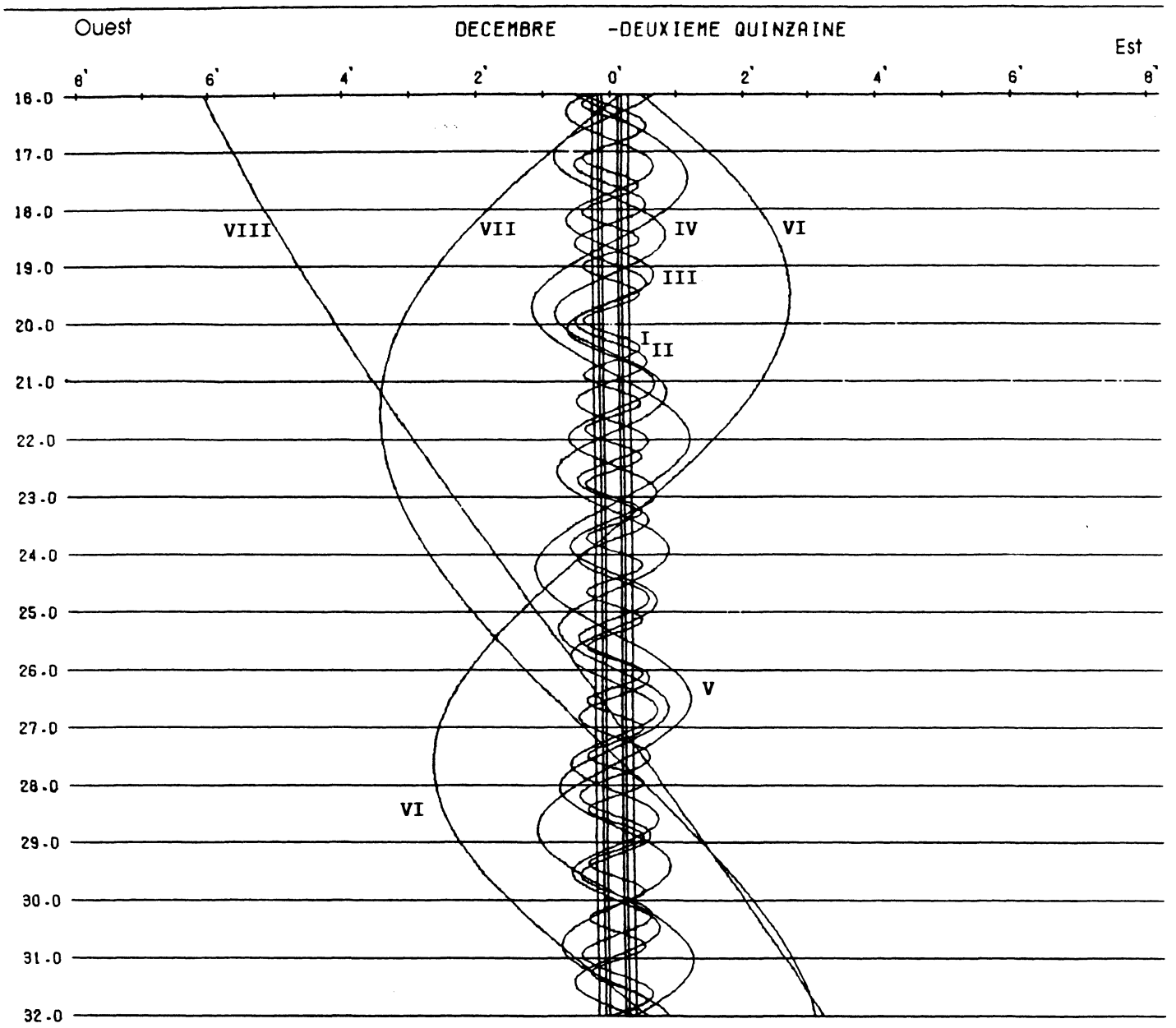


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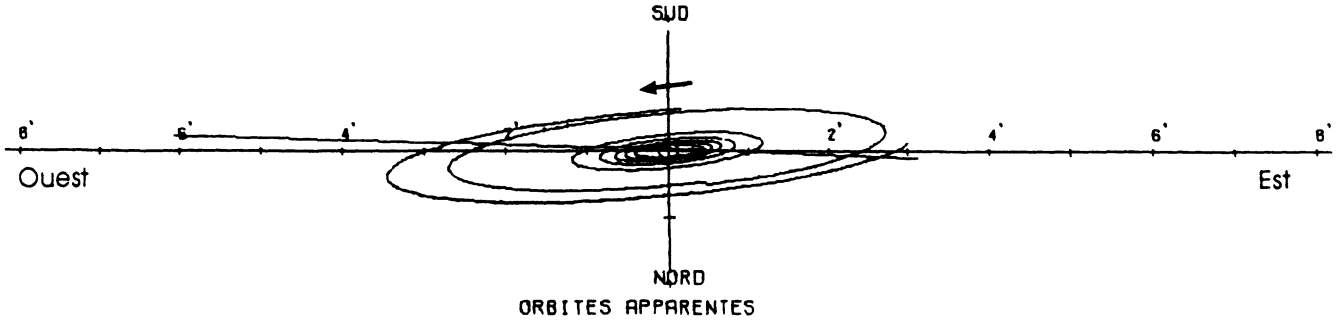


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