Chapter 3 - Orbit Geometries

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Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the E18 Orbit.

The figure on page 3 is a North Trajectory Pole View of the E18 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the E18 Orbit from +/- 5 days of Europa closest approach.

The figure on page 5 is a North Trajectory Pole View of the E18 Orbit from +/- 2 days of Europa closest approach.

The figure on page 6 is a North Trajectory Pole View of the E18 Orbit from +/- 1 day of Europa closest approach.

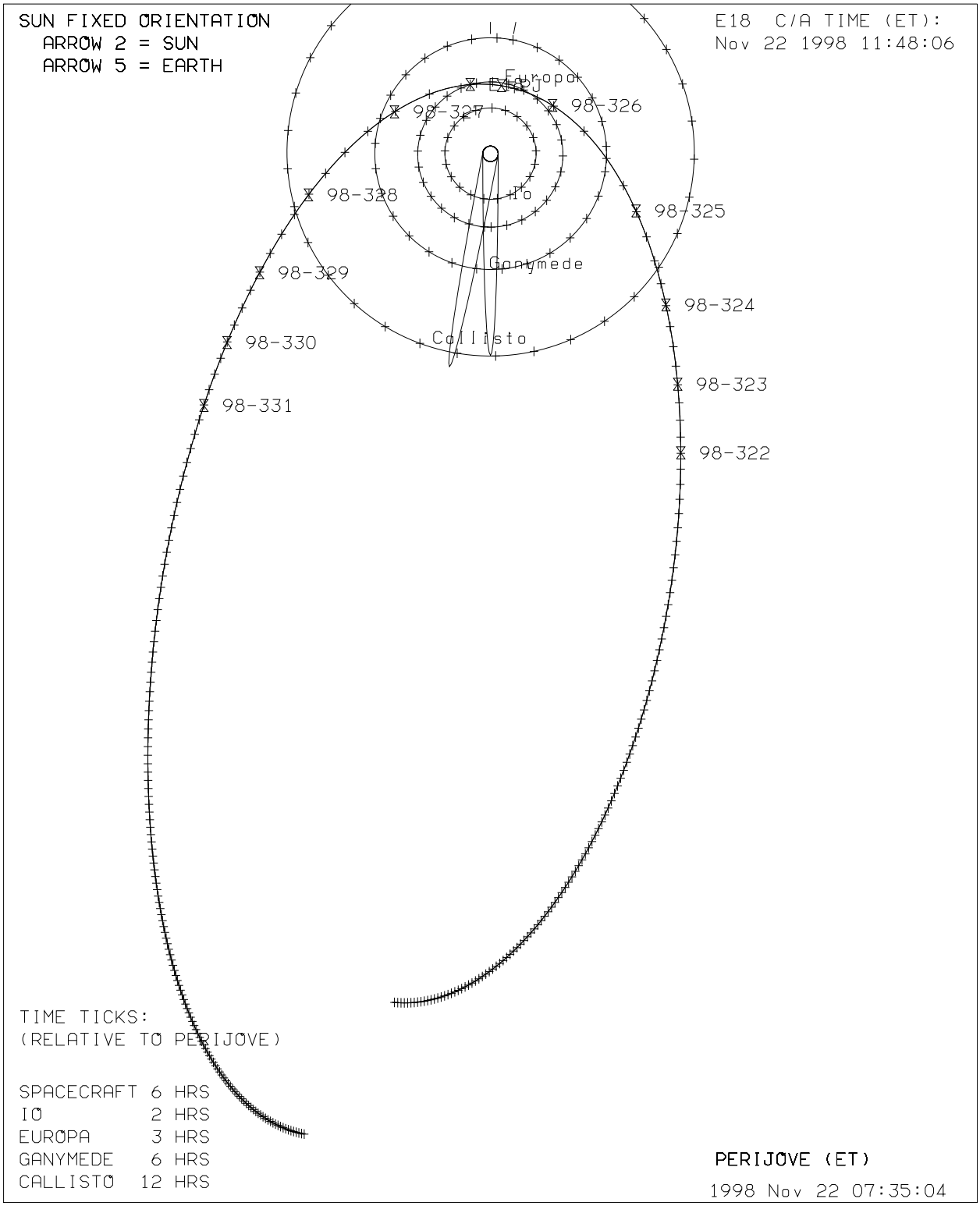
The figure on page 7 is a North Trajectory Pole View of the E18 Orbit from +/- 6 hours of Europa closest approach.

The figure on page 8 is a North Trajectory Pole View of the E18 Orbit from +/- 1 hour of Europa closest approach.

The figure on page 9 shows the spacecraft’s groundtrack on Europa at Europa closest approach.

The figure on page 10 shows the spacecraft’s groundtrack on Jupiter at Jupiter closest approach.

JUPITER 18: N. TRAJ. POLE VIEW (APO TO APO)



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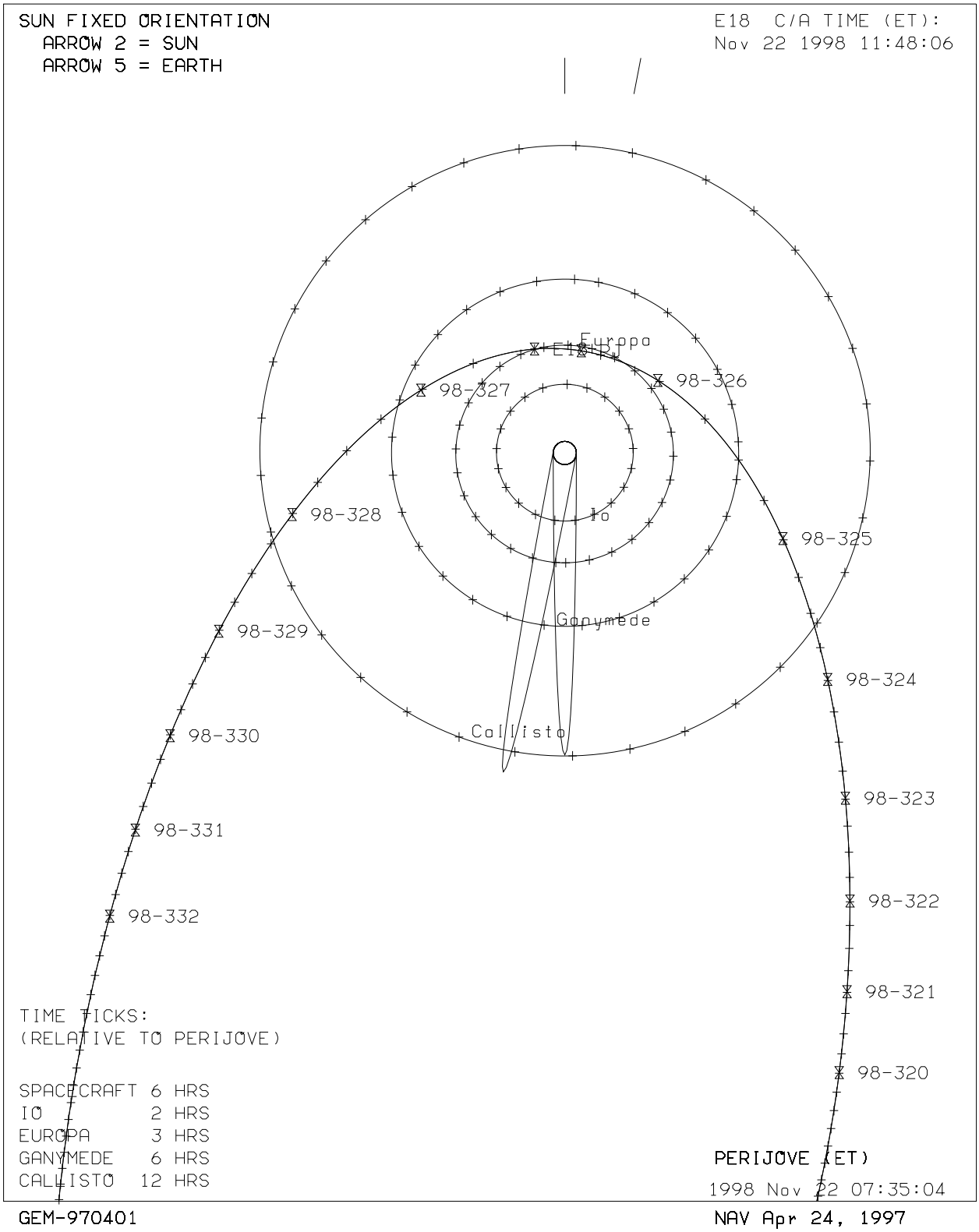
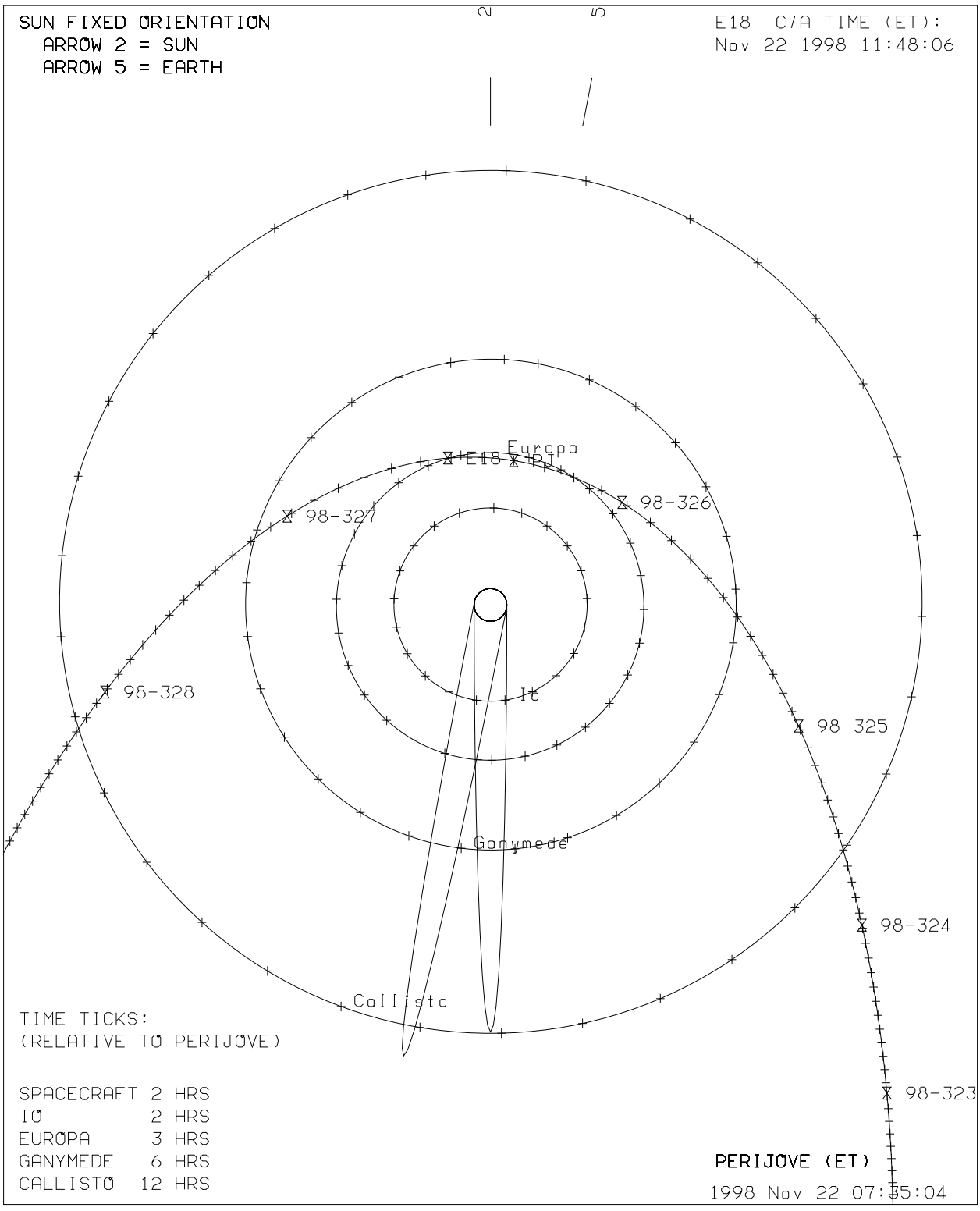
JUPITER 18: N. TRAJ. POLE VIEW (+/- 5 DAYS)



JUPITER 18: N. TRAJ. POLE VIEW (+/- 2 DAYS)



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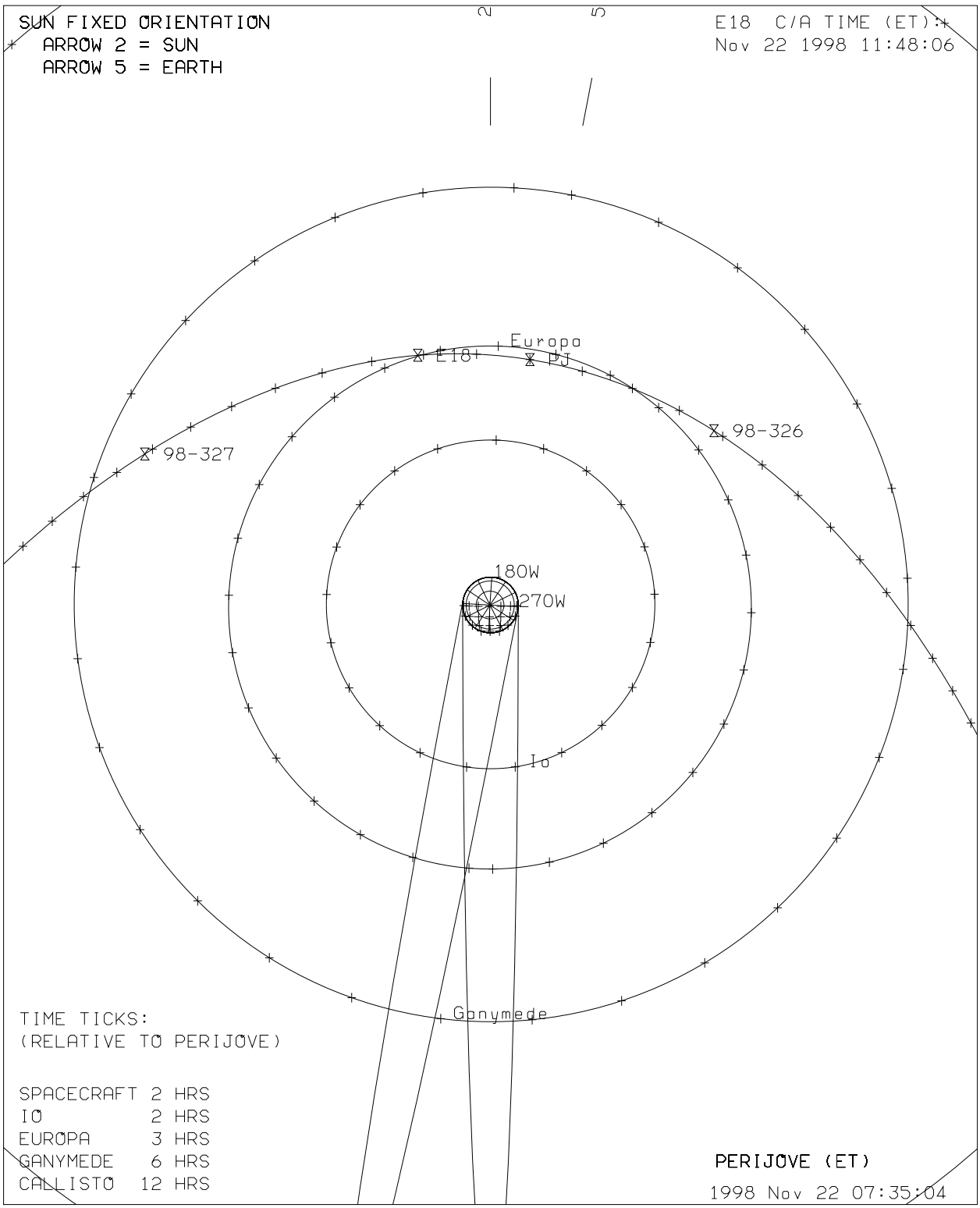
JUPITER 18: N. TRAJ. POLE VIEW (+/- 1 DAY)



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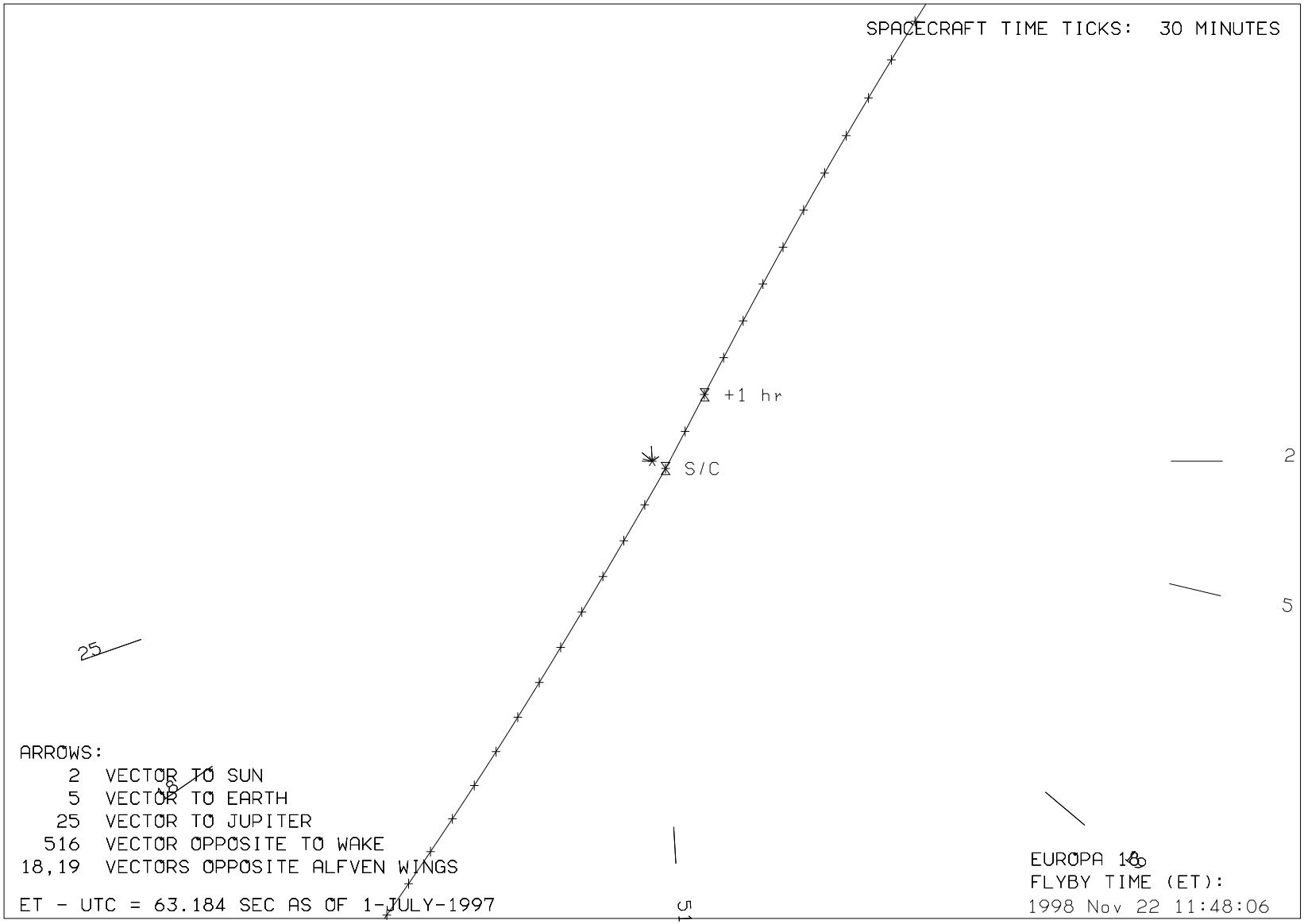
EUROPA 18: N. TRAJ POLE VIEW (+/- 6 HRS)



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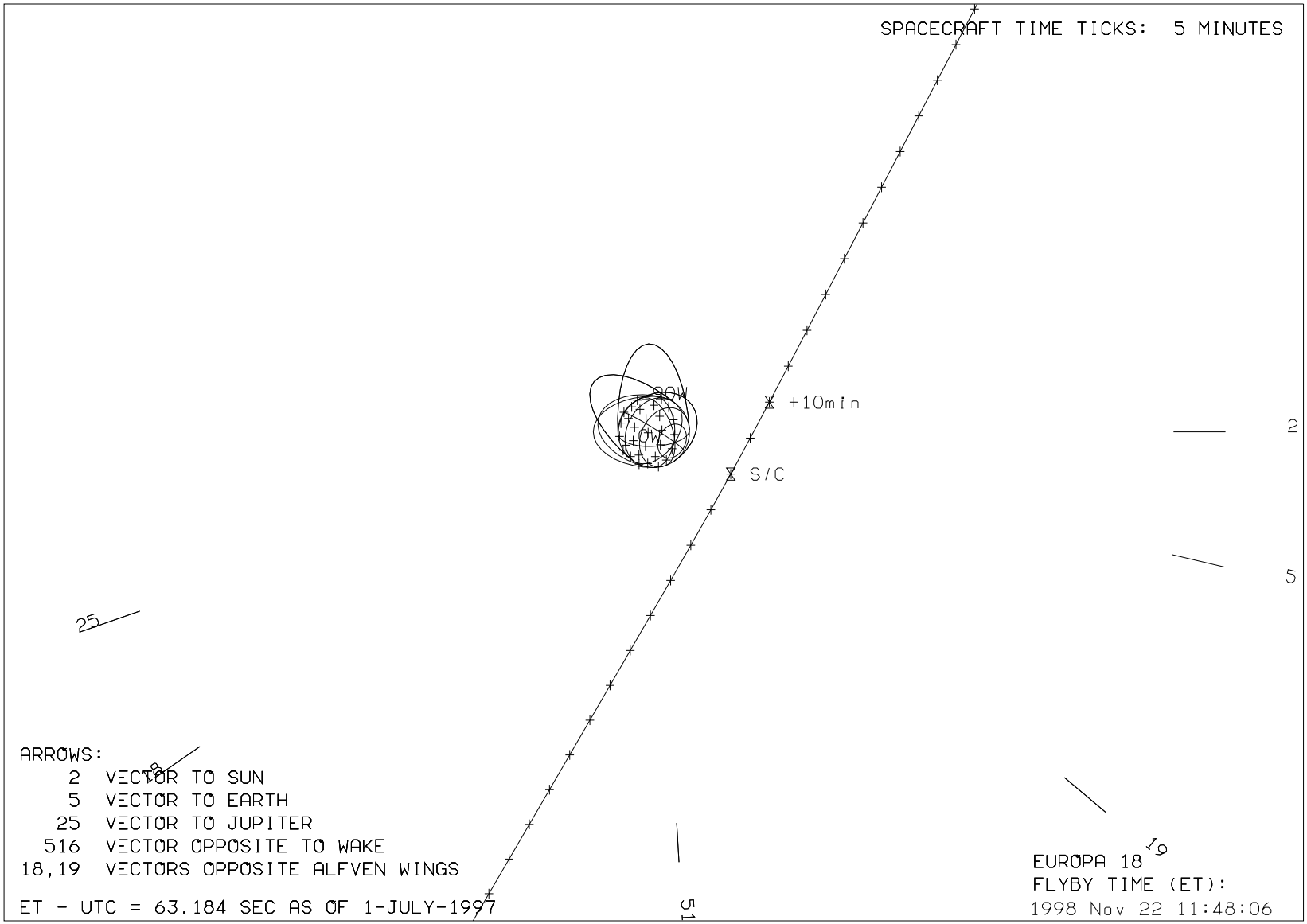
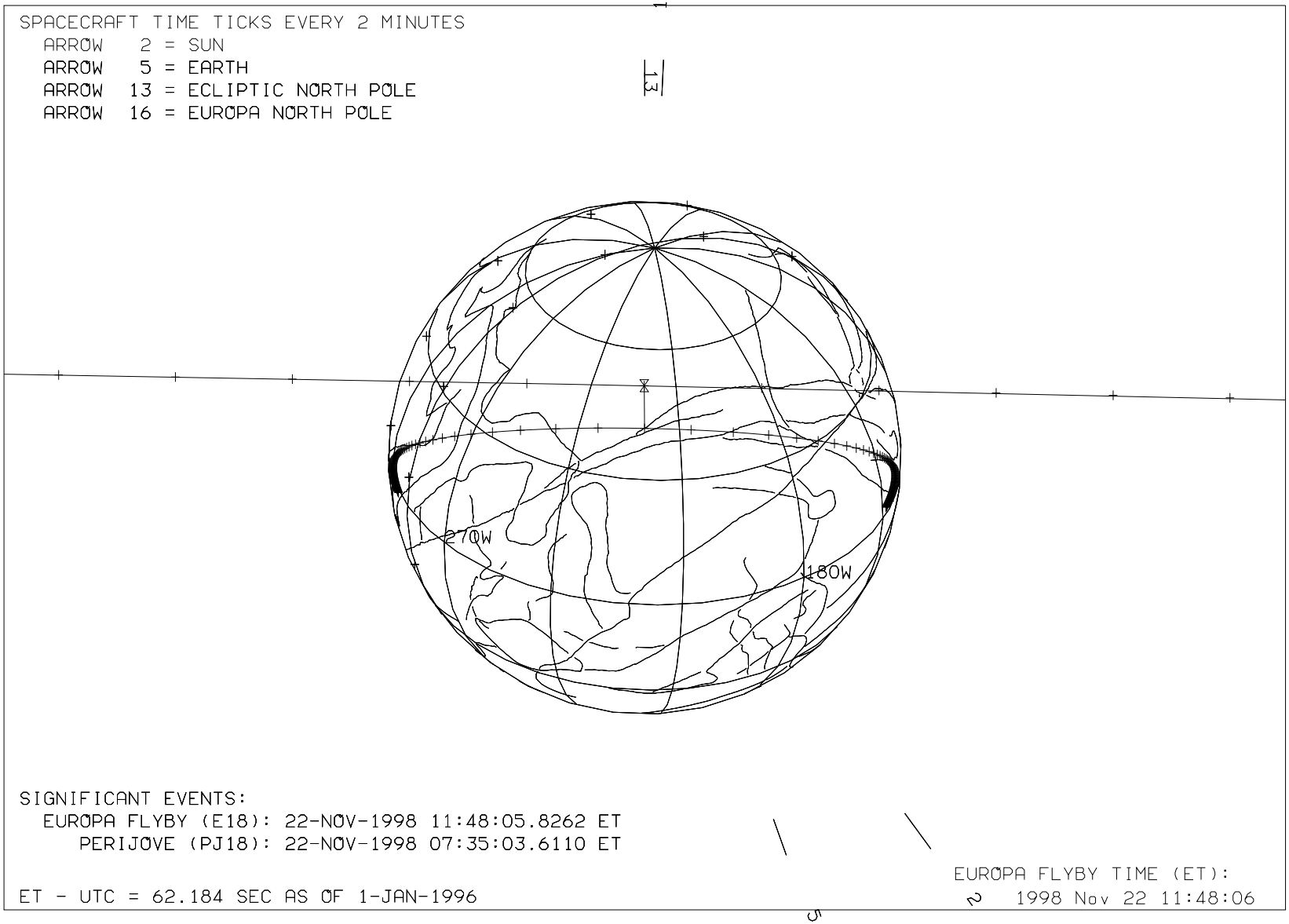
EUROPA 18: N. TRAJ POLE VIEW (+/- 1 HR)



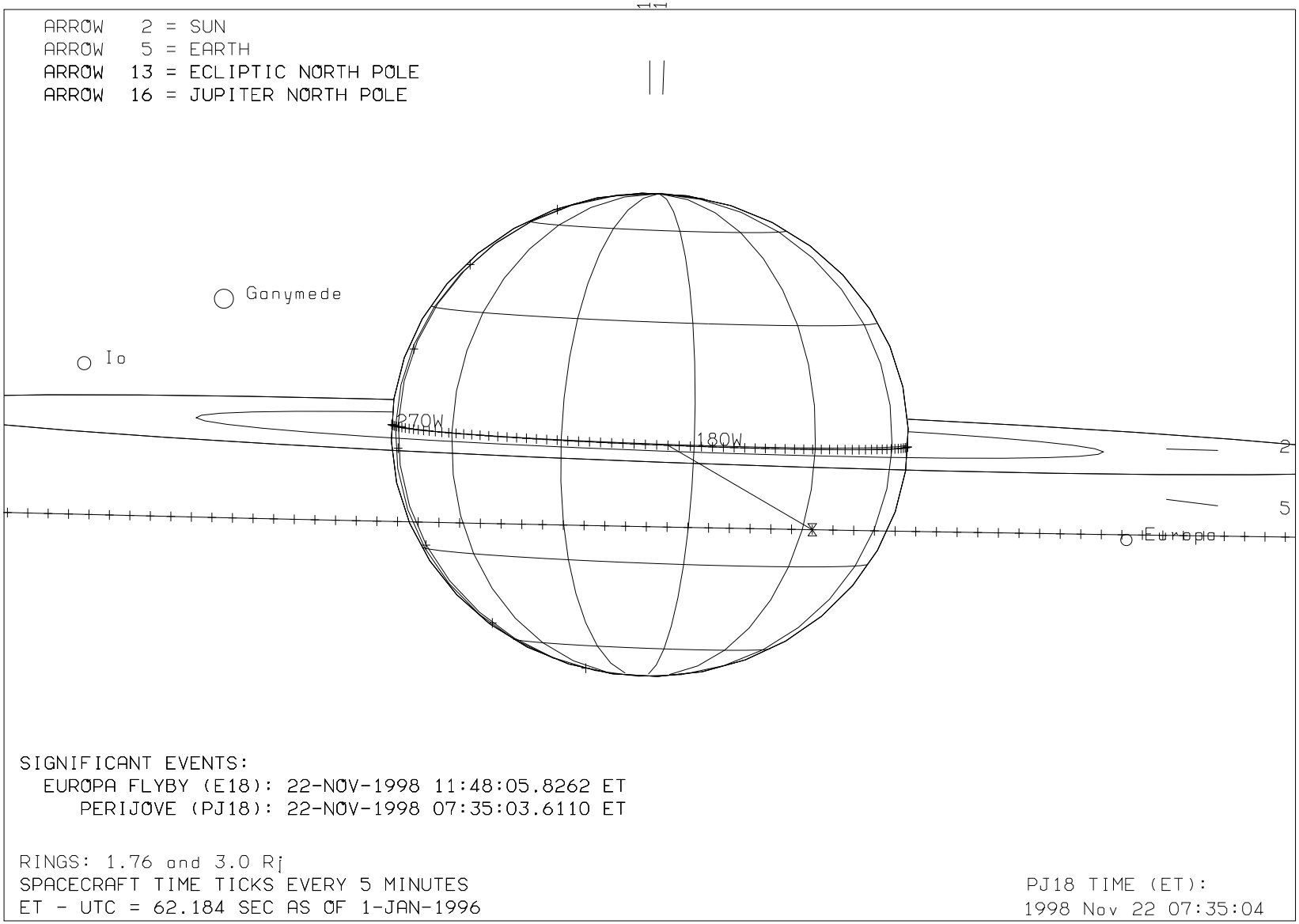
NAV 4/30/97

EUROPA 18: GROUNDTRACK AT CLOSEST APPROACH



NAV Apr 6, 1997

JUPITER 18: GROUNDTRACK AT CLOSEST APPROACH



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