Chapter 3 - Orbit Geometries

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Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the I27 Orbit.

The figure on page 3 is a North Trajectory Pole View of the I27 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the I27 Orbit from +/- 5 days of Jupiter closest approach.

The figure on page 5 is a North Trajectory Pole View of the I27 Orbit from +/- 2 days of Jupiter closest approach.

The figure on page 6 is a North Trajectory Pole View of the I27 Orbit from +/- 1 day of Jupiter closest approach.

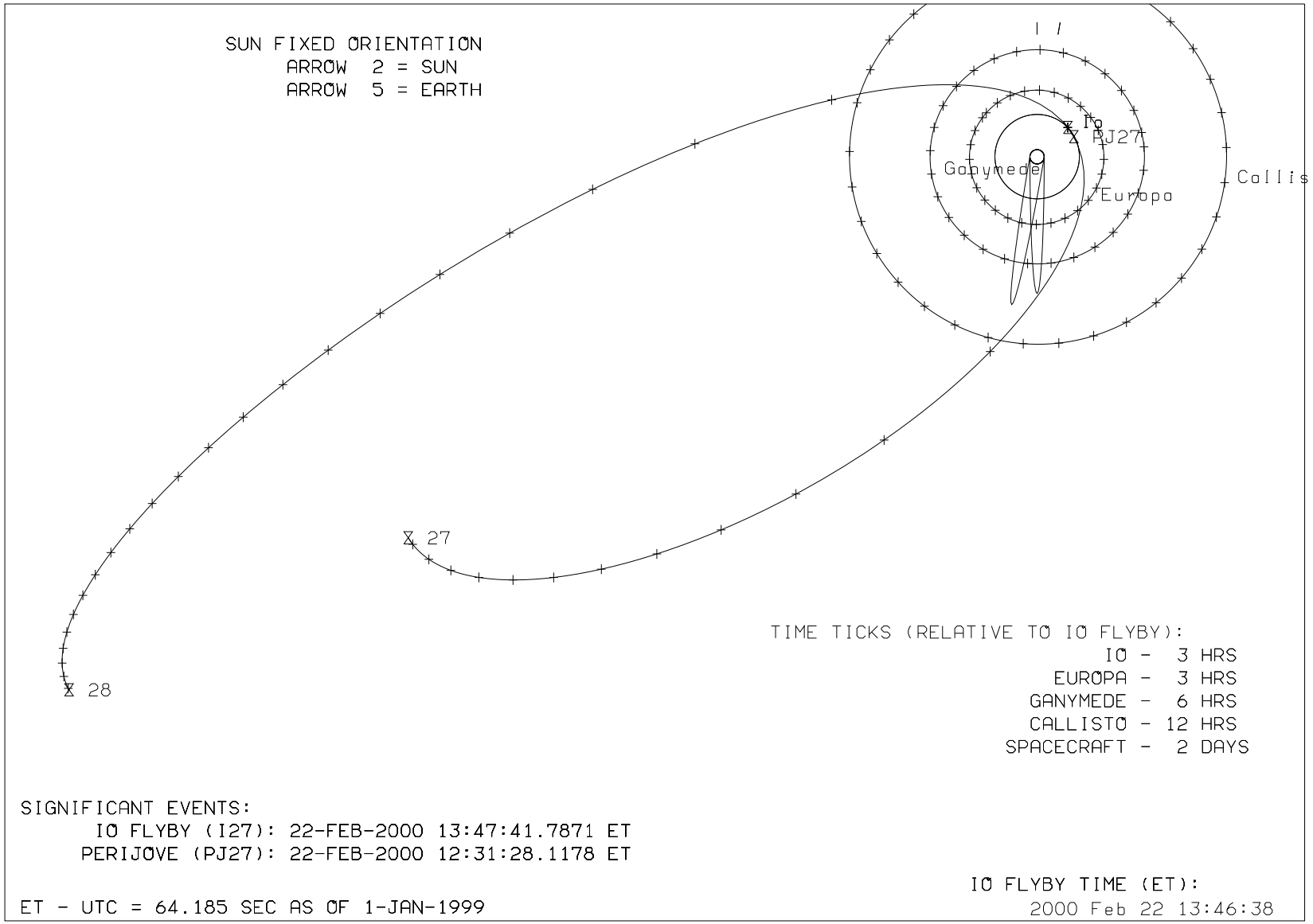
The figure on page 7 shows the spacecraft’s groundtrack on Jupiter at Jupiter closest approach.

The figure on page 8 is a North Trajectory Pole View of the I27 Orbit from +/- 6 hours of Io closest approach.

The figure on page 9 is a North Trajectory Pole View of the I27 Orbit from +/- 1 hour of Io closest approach.

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

Jupiter 27: North Traj Pole View (Io27 Apo$^{2}_{5}$ to Apo)



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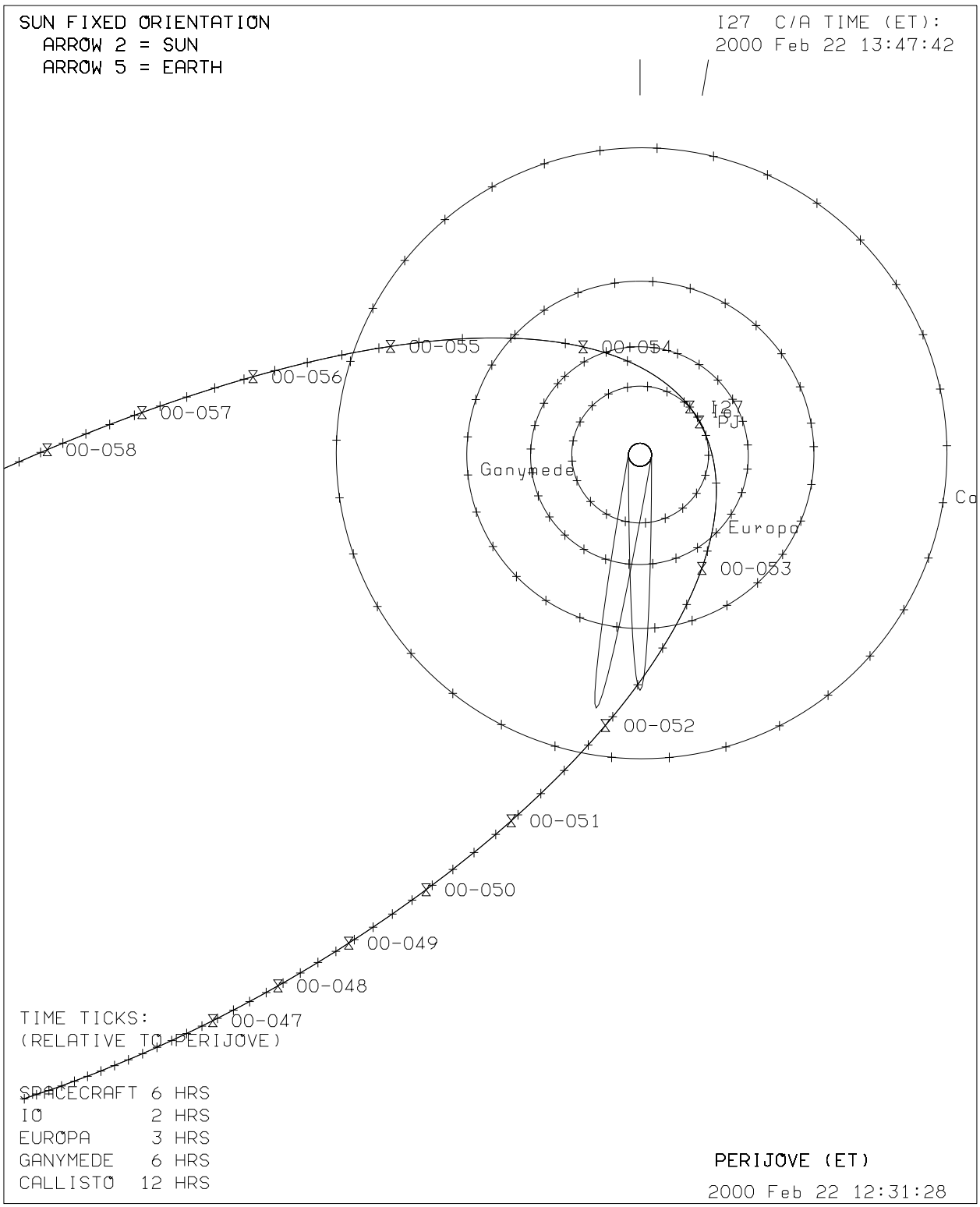
JUPITER 27: N. TRAJ. POLE VIEW ($_2$ $_5$) (+/- 5 DAYS)



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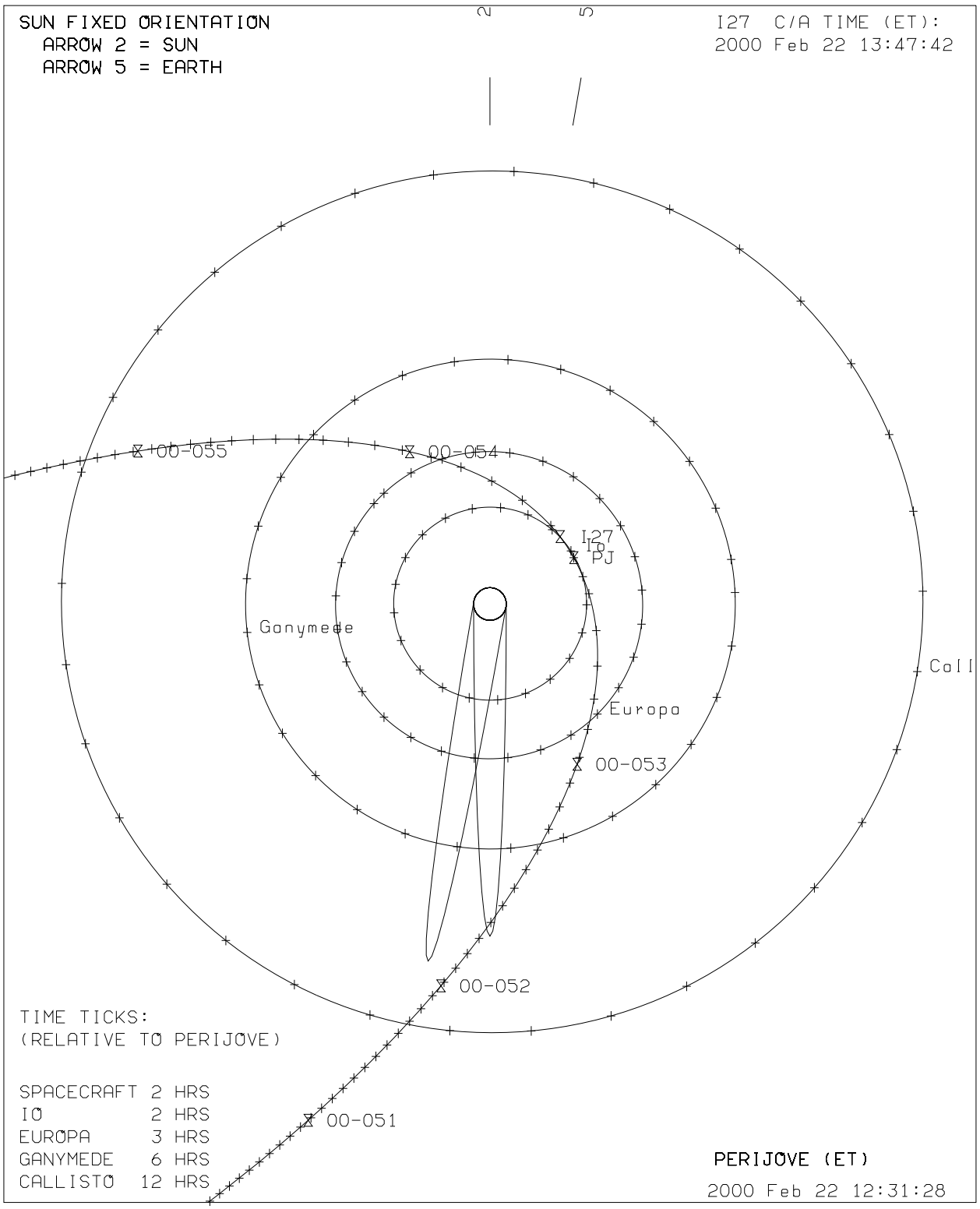
JUPITER 27: N. TRAJ. POLE VIEW (+/- 2 DAYS)



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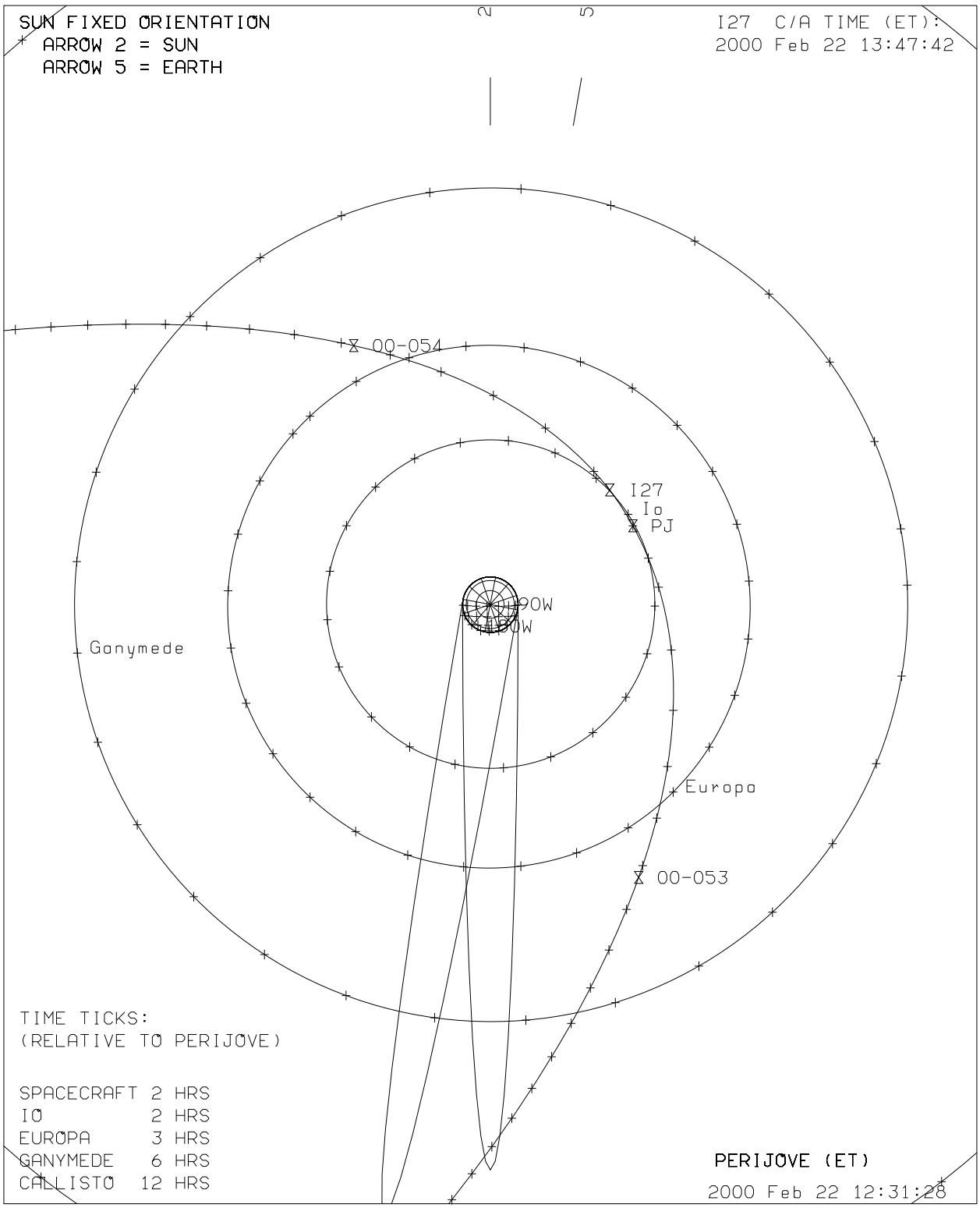
NAV Feb 4, 1999

JUPITER 27: N. TRAJ. POLE VIEW (+/- 1 DAY)



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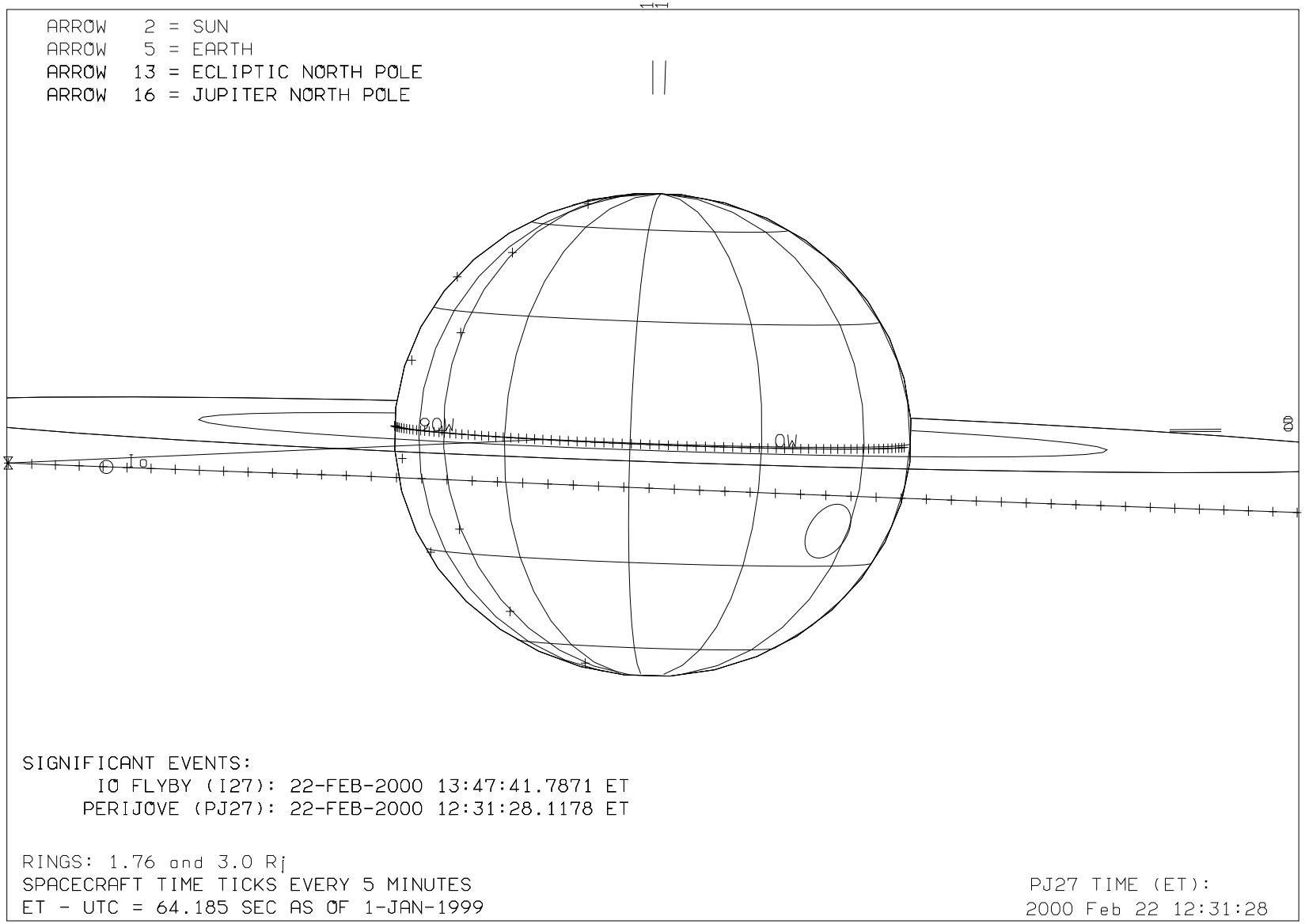
JUPITER 27: GROUNDTRACK AT CLOSEST APPROACH



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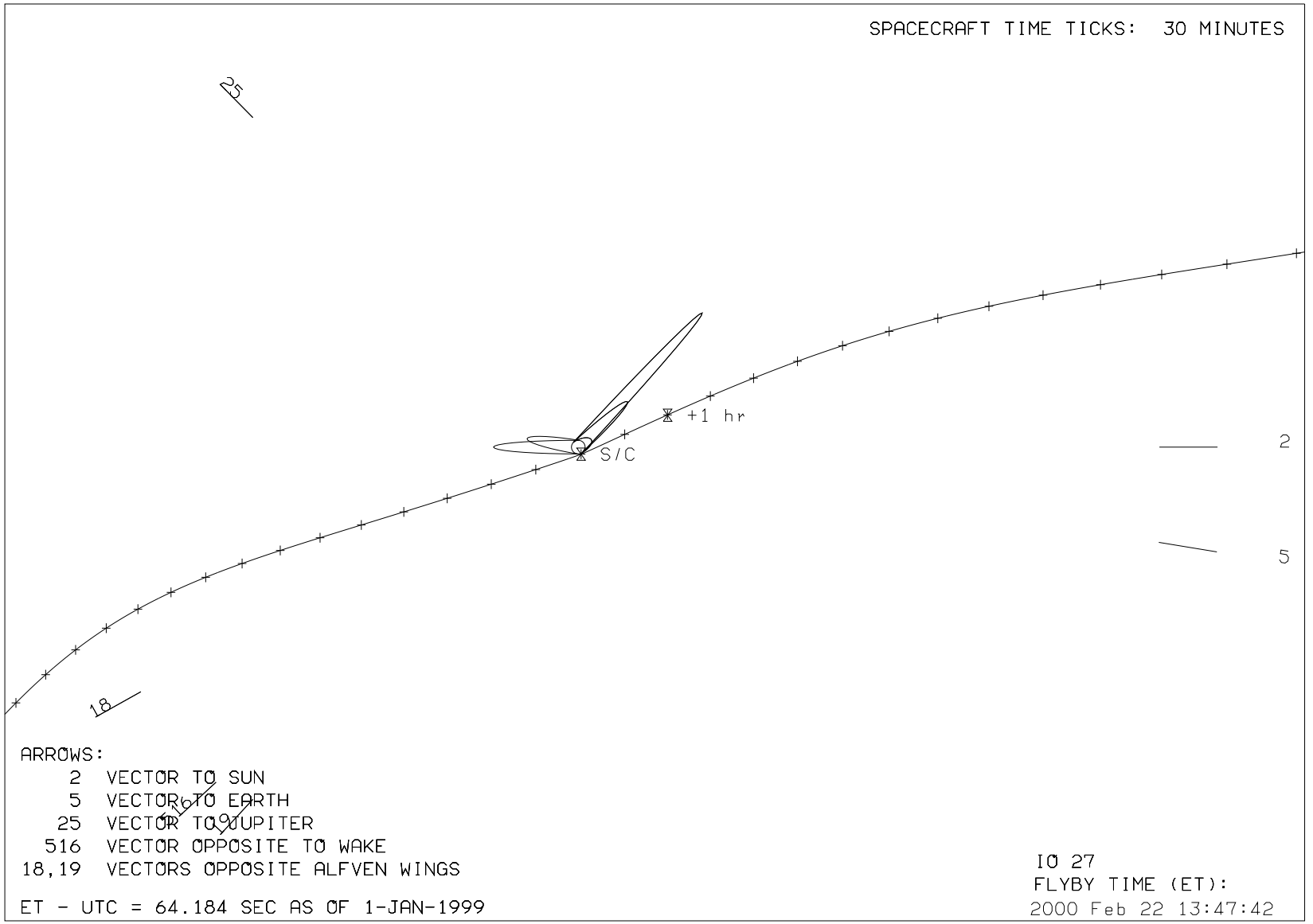
IO 27: N. TRAJ POLE VIEW (+/- 6 HRS)



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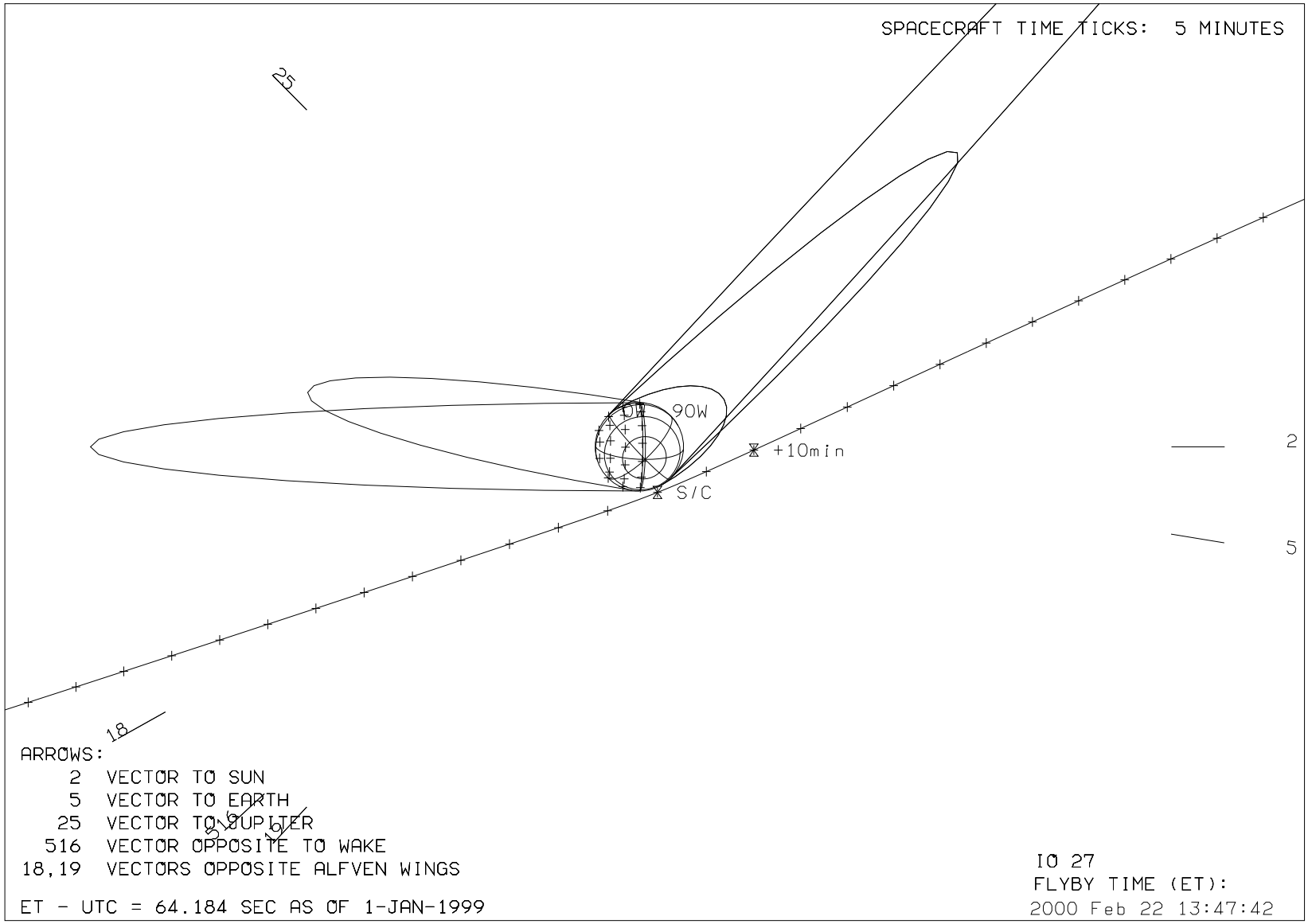
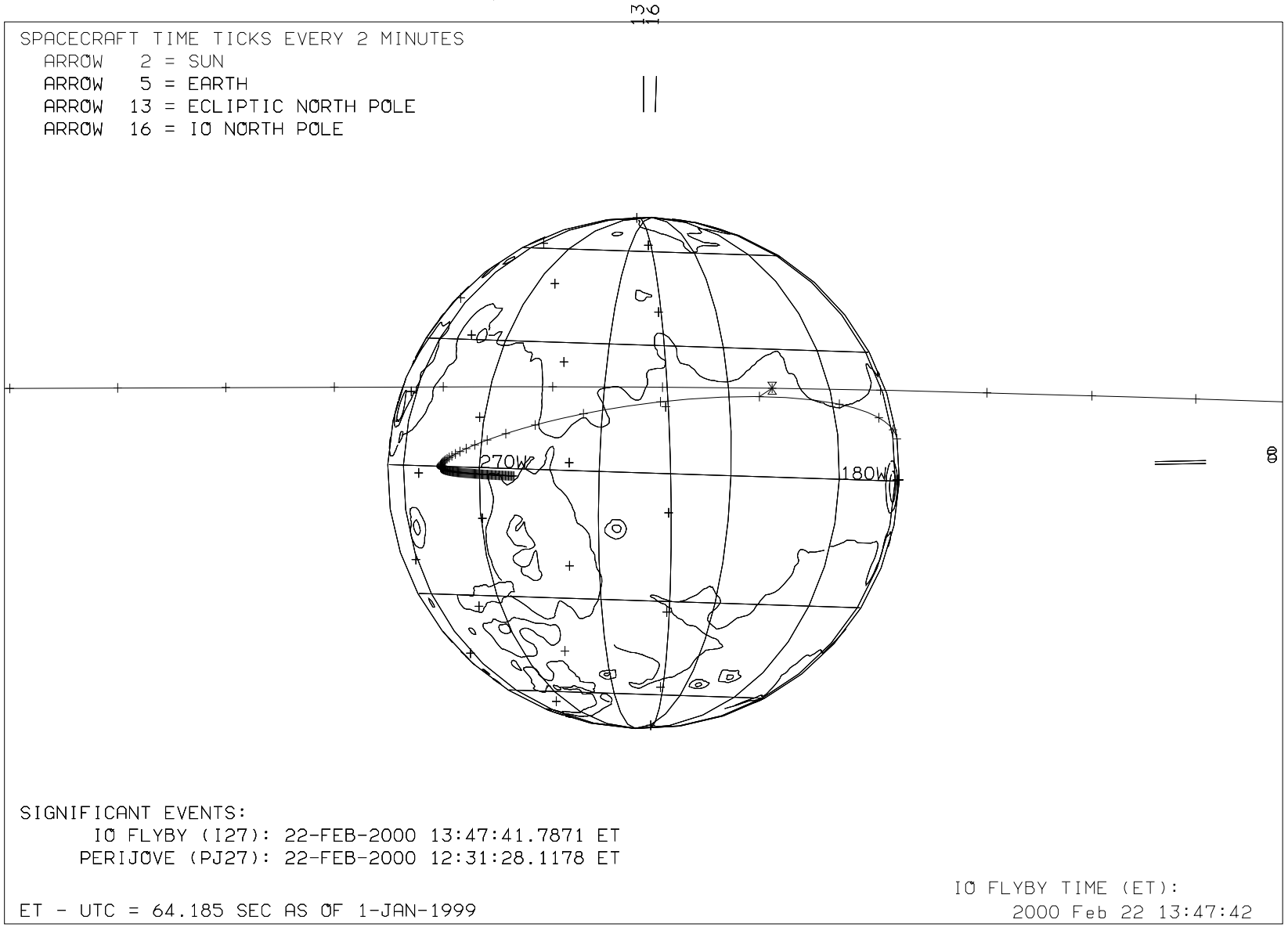
IO 27: N. TRAJ POLE VIEW (+/- 1 HR)



NAV 2/9/99

IO 27: GROUNDTRACK AT CLOSEST APPROACH



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