Chapter 3 - Orbit Geometries

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Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the E26 Orbit.

The figure on page 3 is a North Trajectory Pole View of the E26 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the E26 Orbit from +/- 5 days of Jupiter closest approach.

The figure on page 5 is a North Trajectory Pole View of the E26 Orbit from +/- 2 days of Jupiter closest approach.

The figure on page 6 is a North Trajectory Pole View of the E26 Orbit from +/- 1 day of Jupiter closest approach.

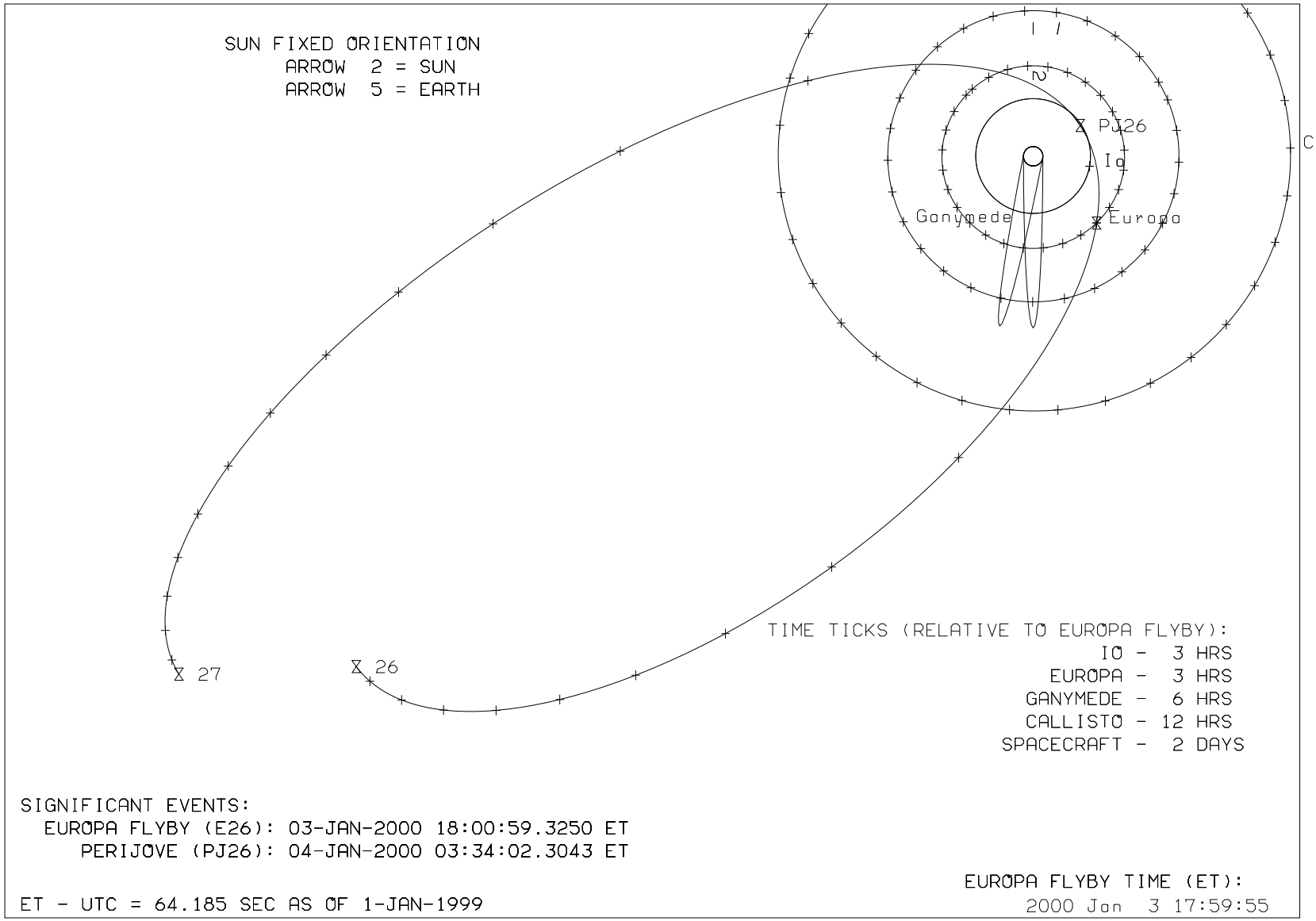
The figure on page 7 shows the spacecraft's groundtrack on Jupiter at Jupiter closest approach.

The figure on page 8 is a North Trajectory Pole View of the E26 Orbit from +/- 6 hours of Europa closest approach.

The figure on page 9 is a North Trajectory Pole View of the E26 Orbit from +/- 1 hour of Europa closest approach.

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

Jupiter 26: North Traj Pole View (Europa26 Apo to Apo)



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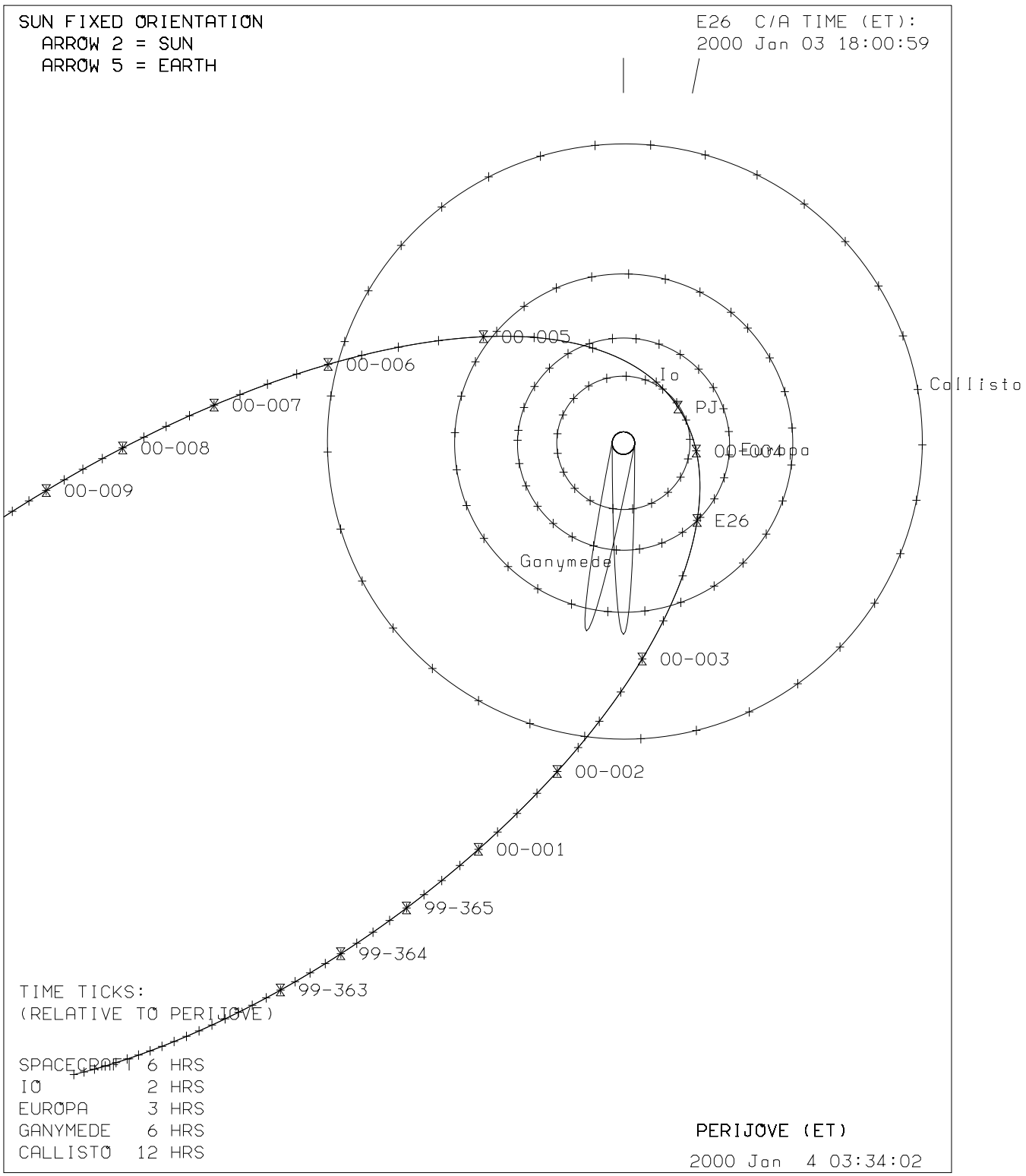
JUPITER 26: N. TRAJ. POLE VIEW (+/- 5 DAYS)



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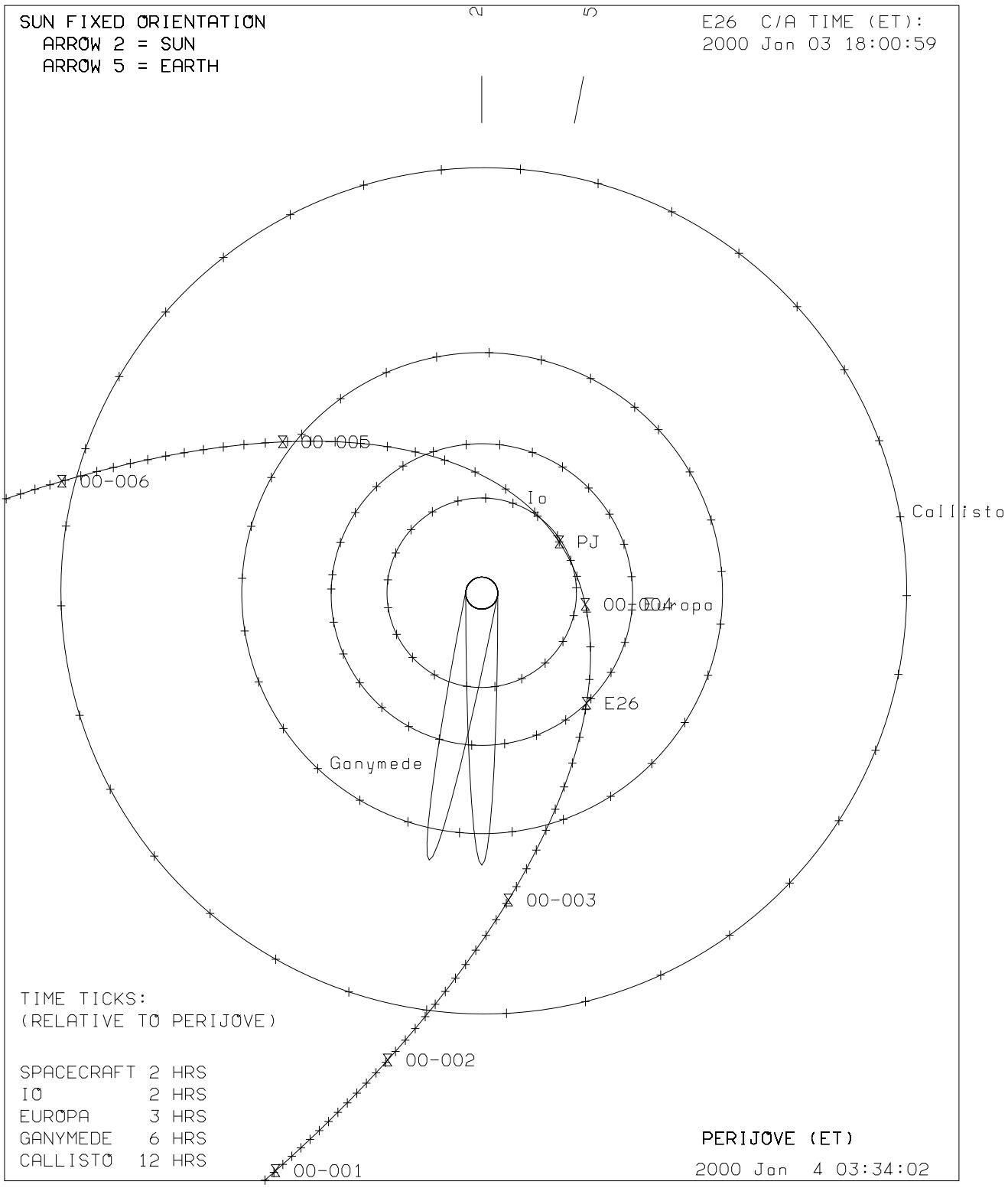
JUPITER 26: N. TRAJ. POLE VIEW (+/- 2 DAYS)



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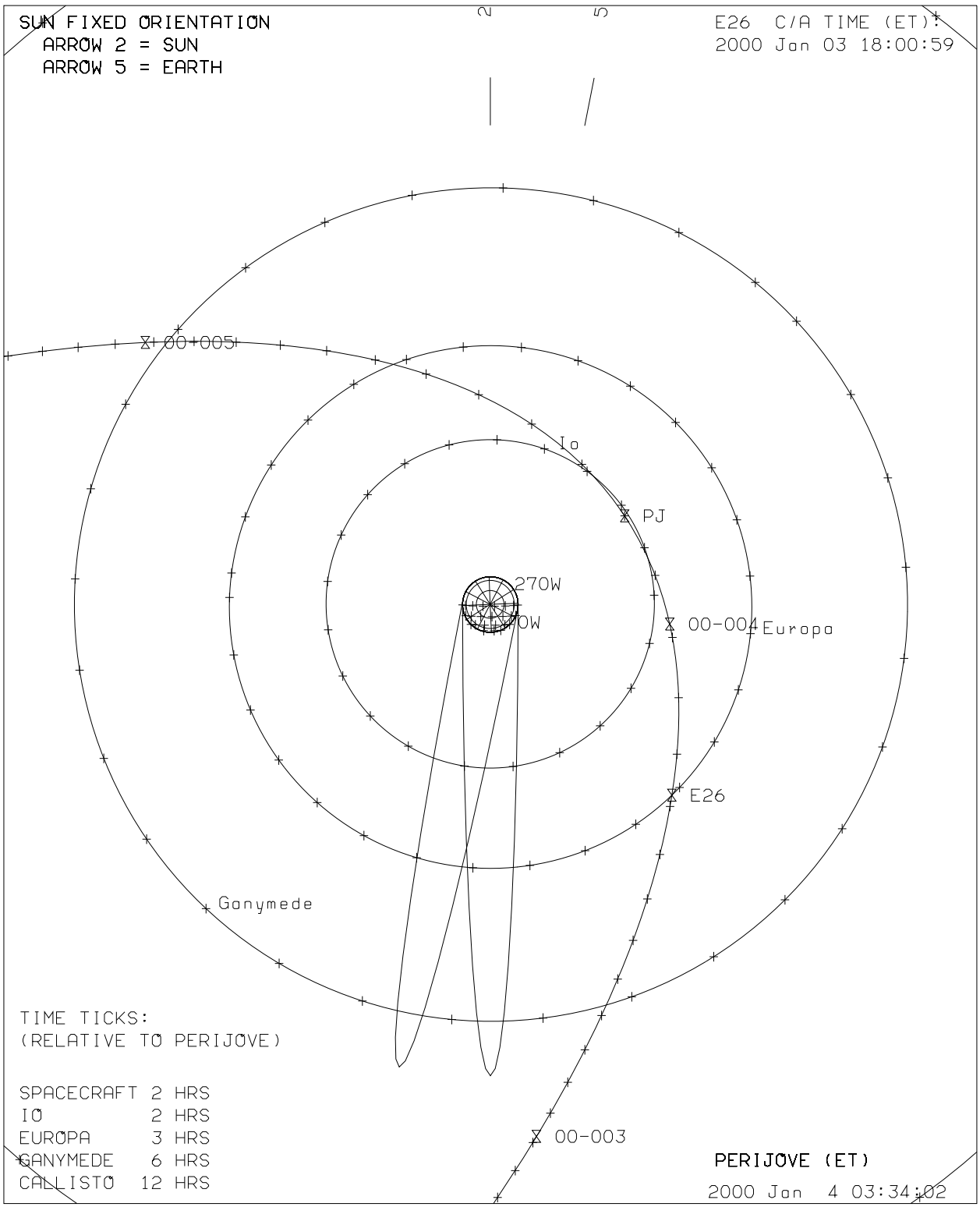
NAV Feb 4, 1999

JUPITER 26: N. TRAJ. POLE VIEW (+/- 1 DAY)



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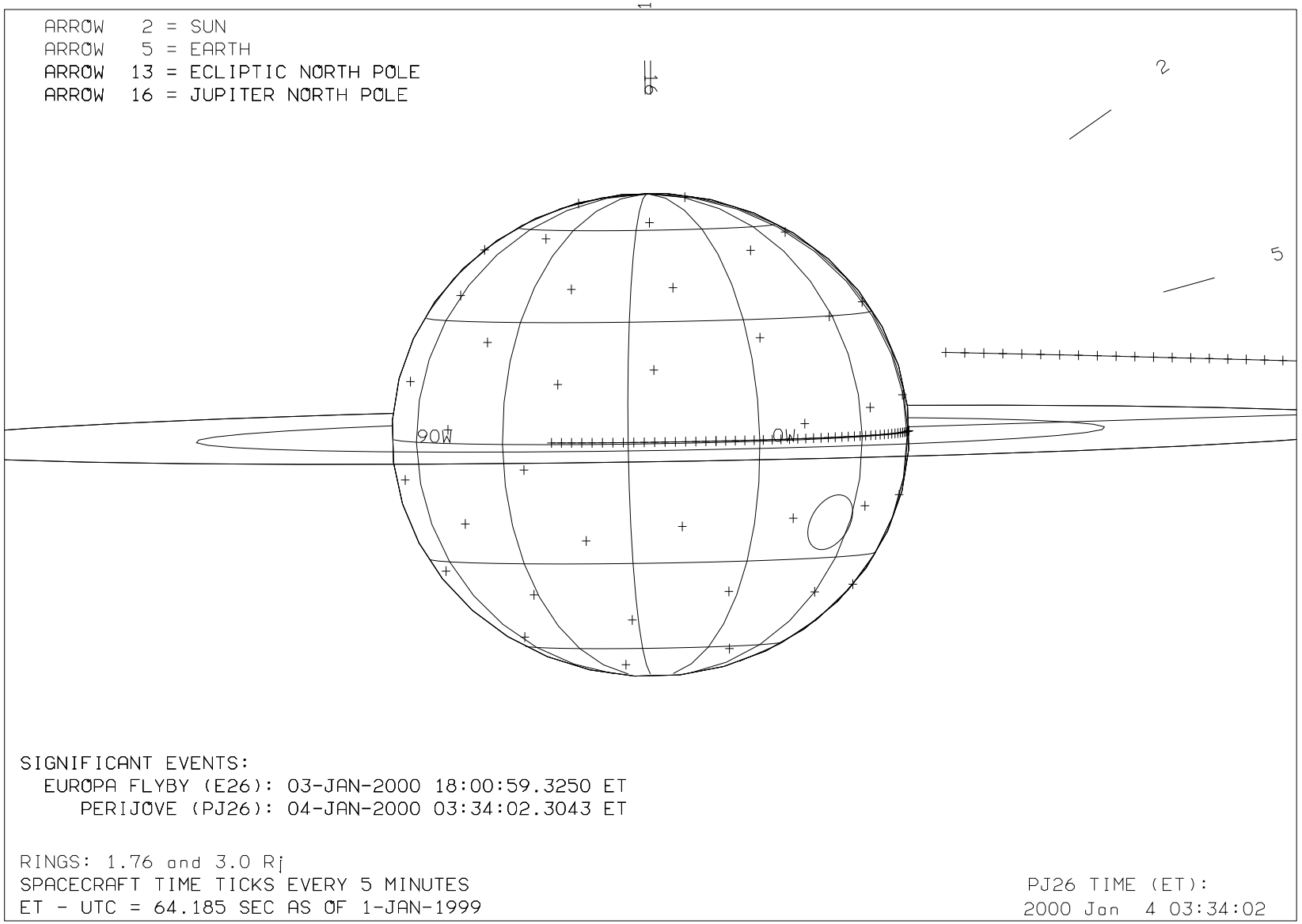
JUPITER 26: GROUNDTRACK AT CLOSEST APPROACH



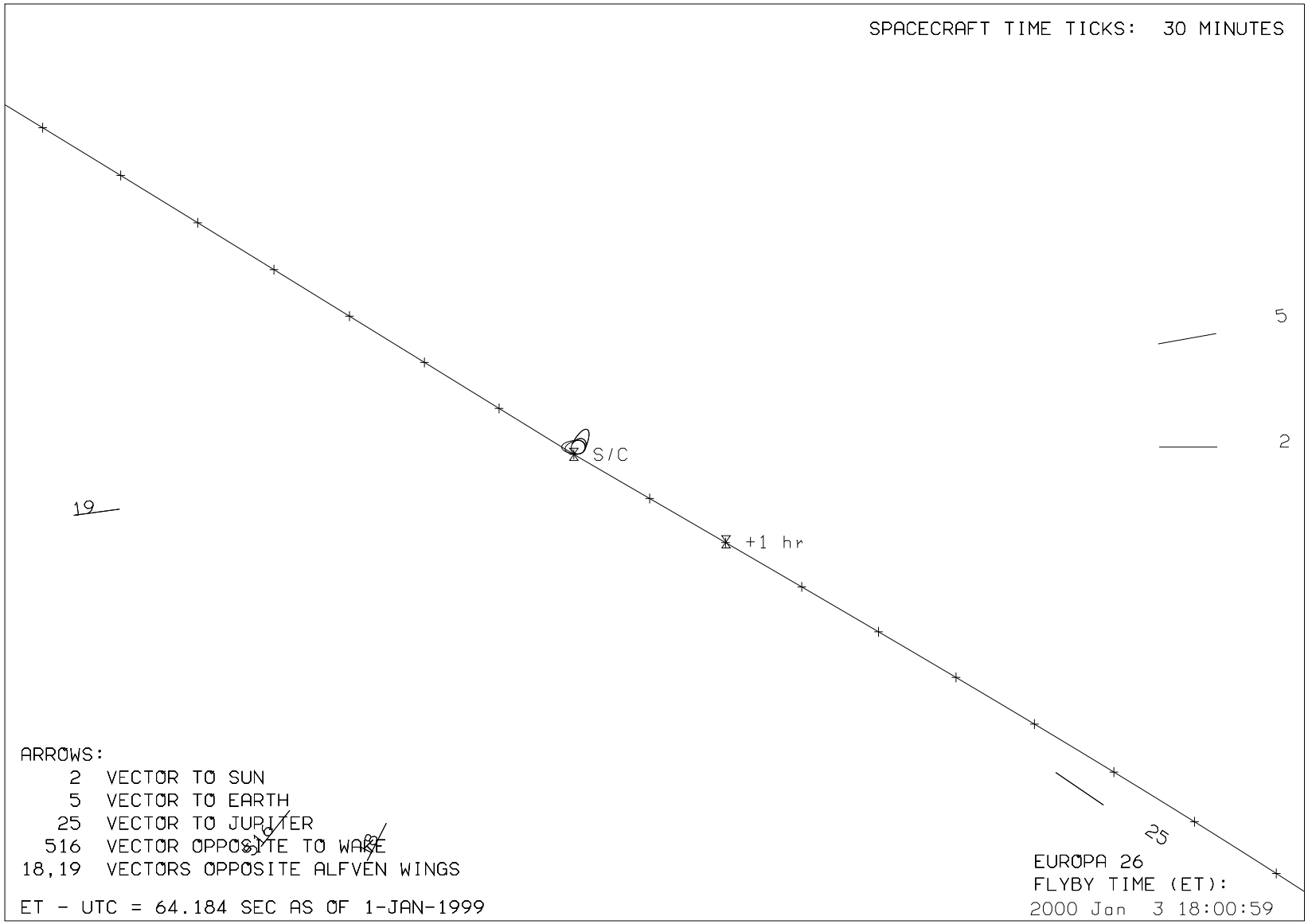
SIGNIFICANT EVENTS:
EUROPA FLYBY (E26): 03-JAN-2000 18:00:59.3250 ET
PERIJOVE (PJ26): 04-JAN-2000 03:34:02.3043 ET

RINGS: 1.76 and 3.0 Rj
SPACECRAFT TIME TICKS EVERY 5 MINUTES
ET - UTC = 64.185 SEC AS OF 1-JAN-1999

PJ26 TIME (ET):
2000 Jan 4 03:34:02

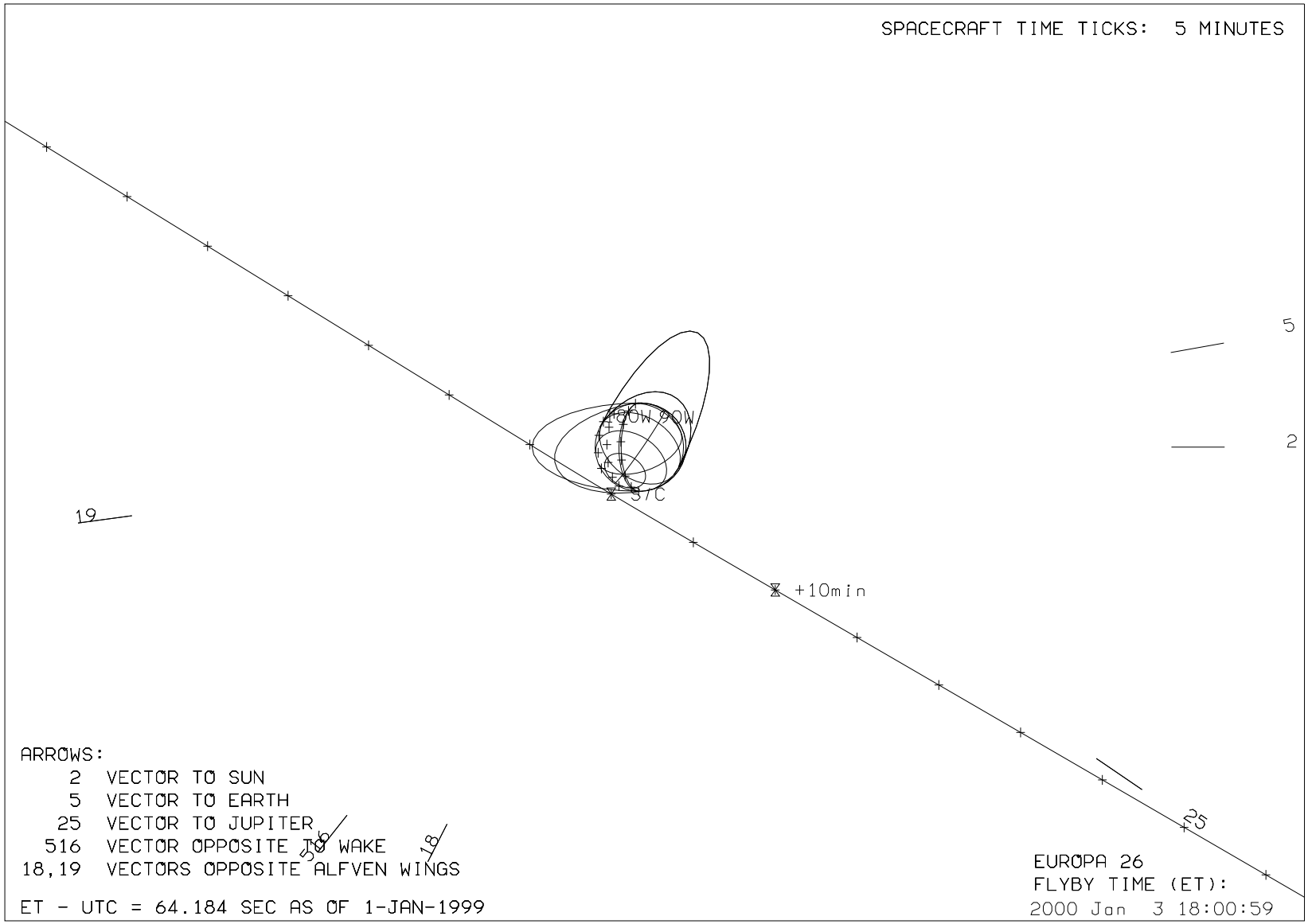
NAV Feb 4, 1999

EUROPA 26: N. TRAJ POLE VIEW (+/- 6 HRS)



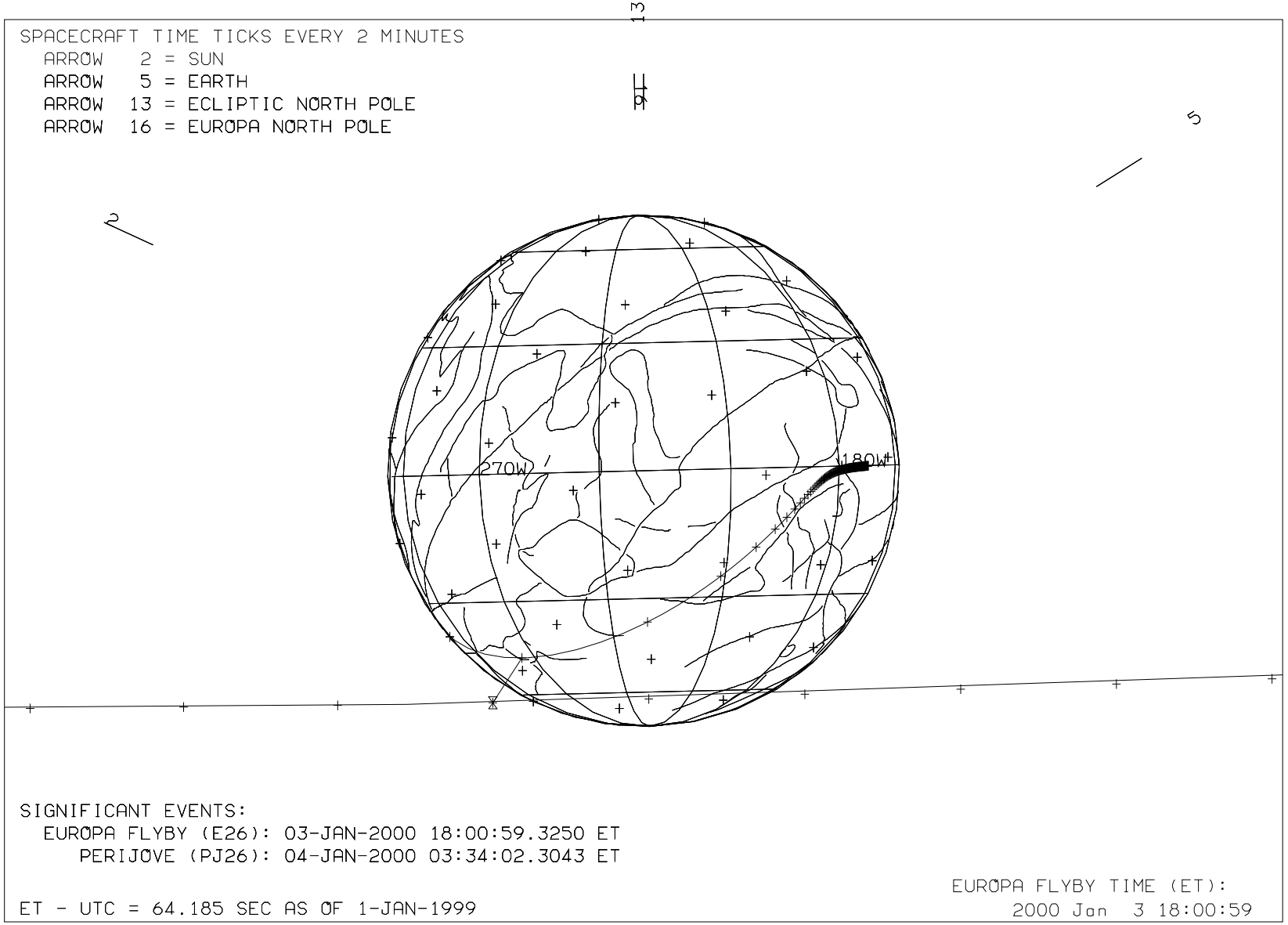
NAV 2/9/99

EUROPA 26: N. TRAJ POLE VIEW (+/- 1 HR)



NAV 2/9/99

EUROPA 26: GROUNDTRACK AT CLOSEST APPROACH



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