Chapter 3 - Orbit Geometries

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Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the E11 Orbit.

The figure on page 3 is a North Trajectory Pole View of the E11 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the E11 Orbit from +/- 5 days of Europa closest approach.

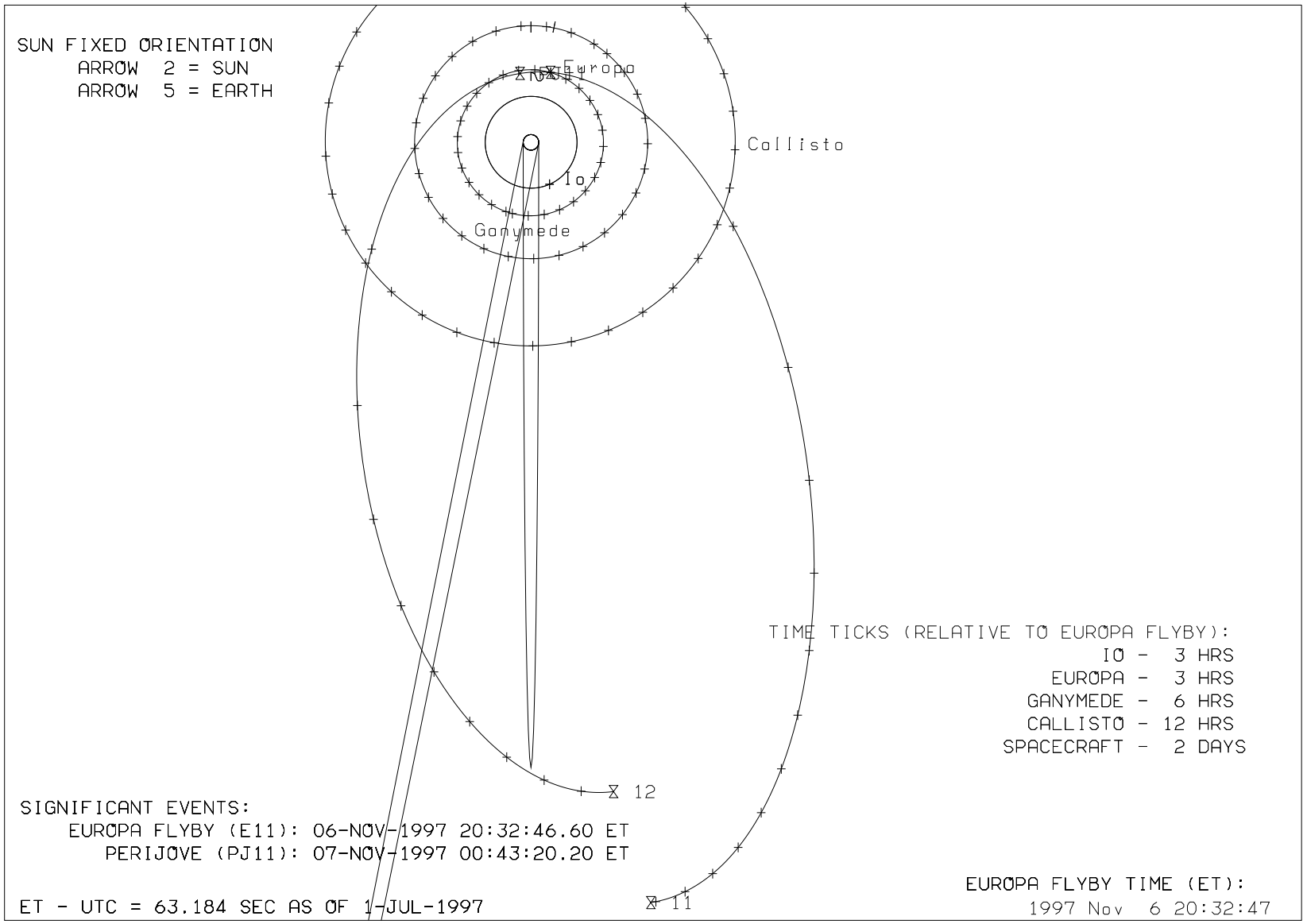
The figure on page 5 is a North Trajectory Pole View of the E11 Orbit from +/- 1 day of Europa closest approach.

The figure on page 6 shows the spacecraft’s groundtrack on Europa at Europa 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 E11 Orbit from +/- 1 hour of Europa closest approach.

Jupiter 11: North Traj 5 Pole View (E11 Apo to Apo)



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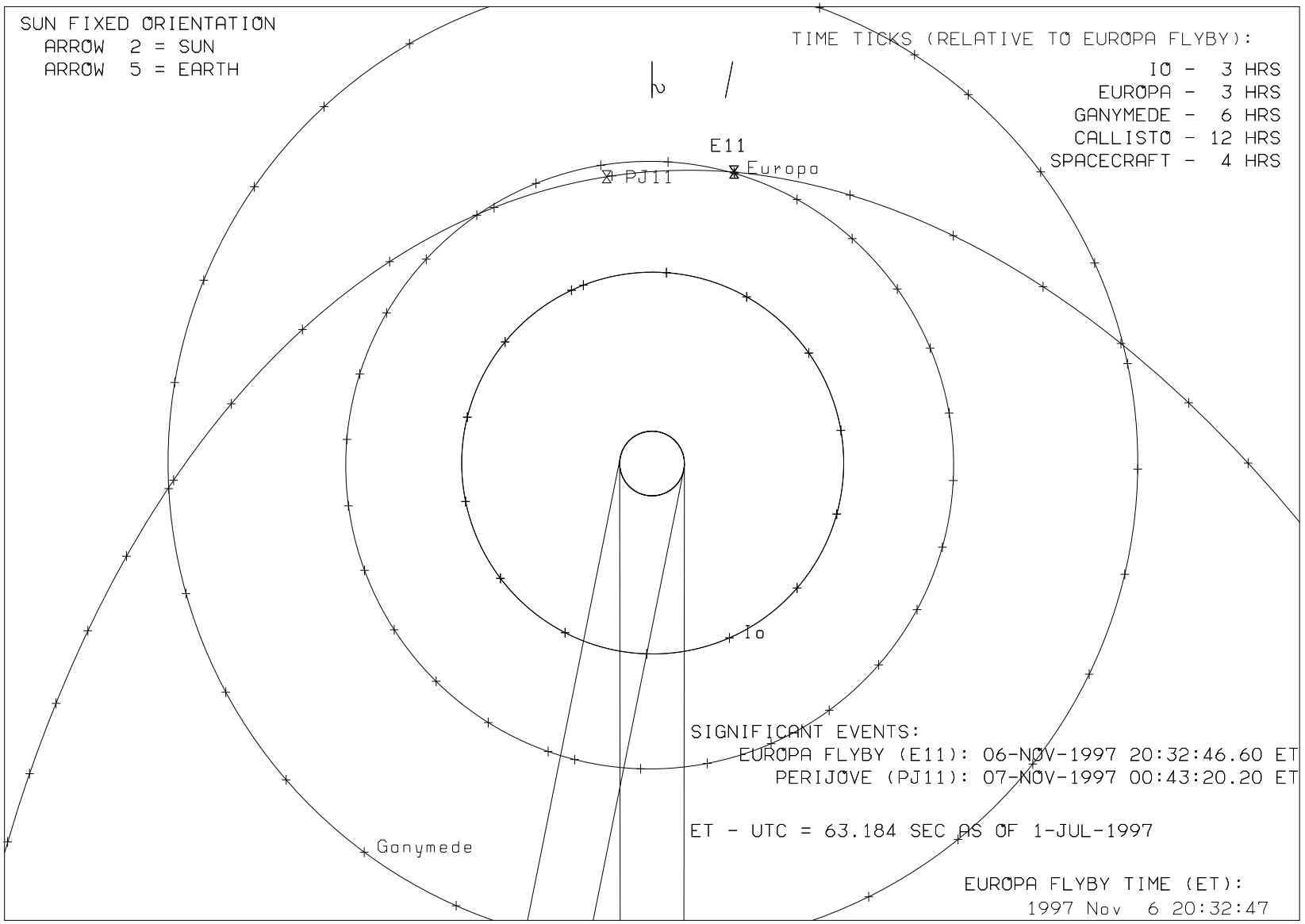
Jupiter 11: North Traj Pole View (E11 +/- 1 day)



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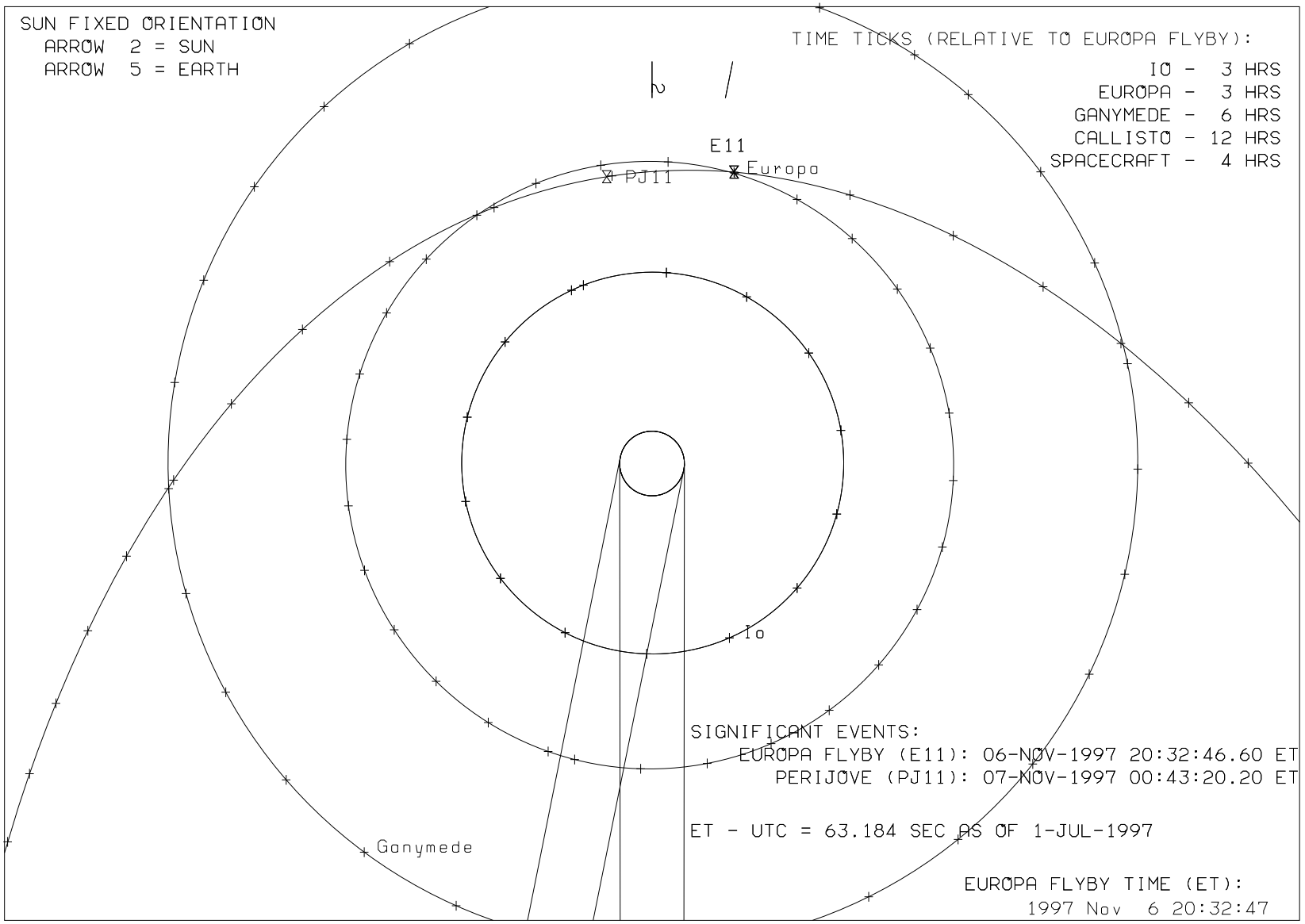
Jupiter 11: North Traj Pole View (E11 +/- 1 day)



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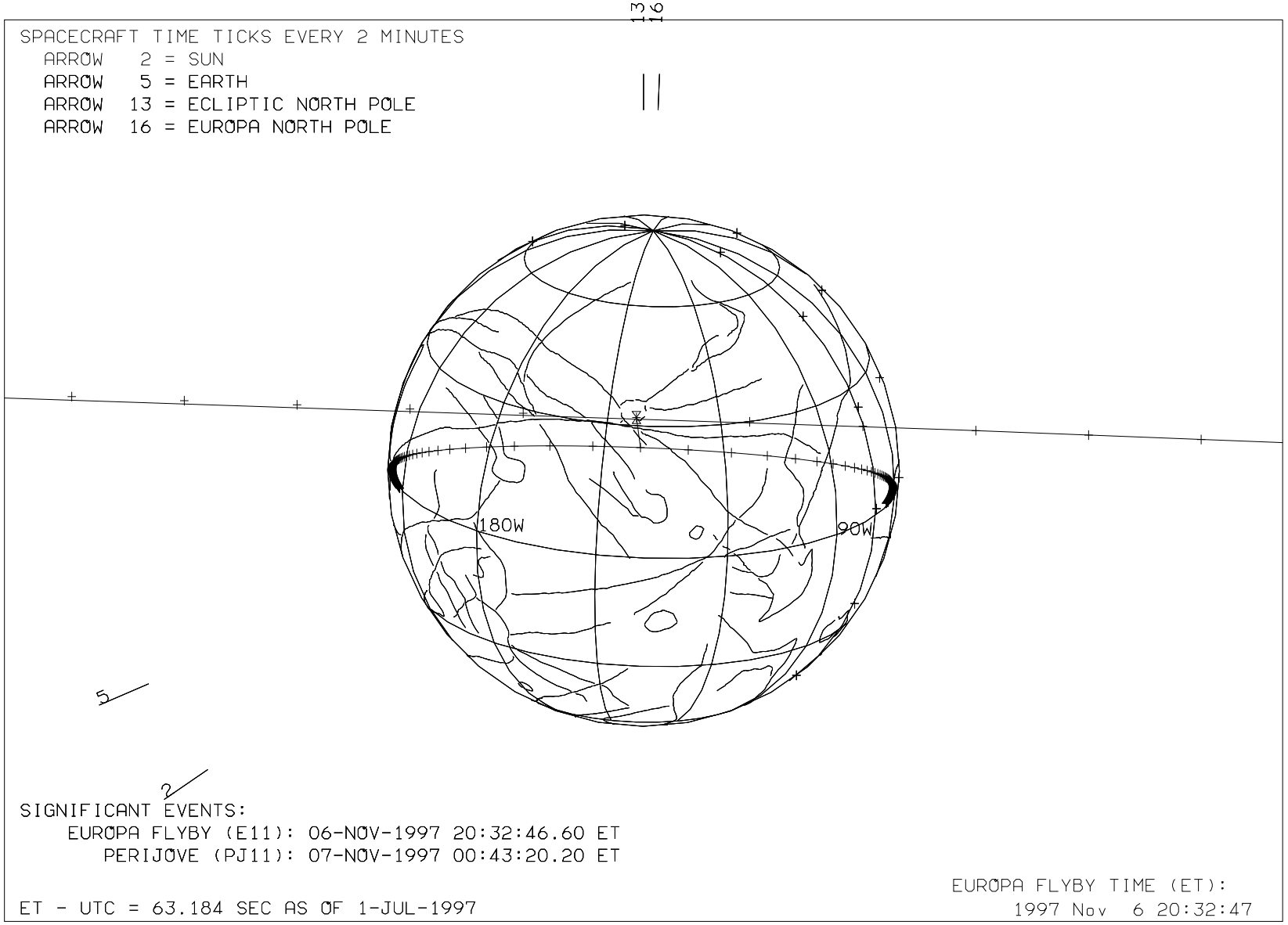
EUROPA 11: GROUNDTRACK AT CLOSEST APPROACH



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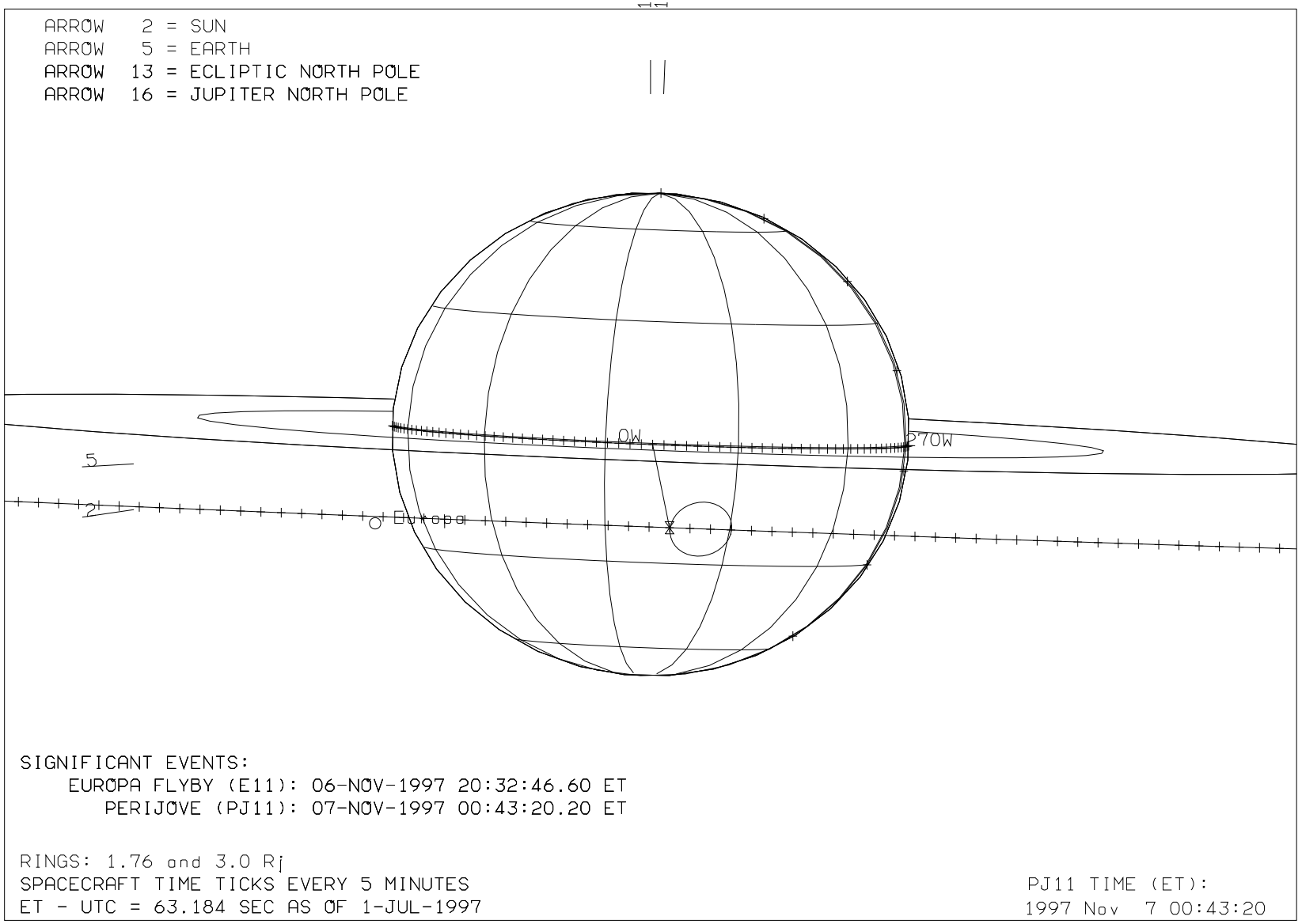
JUPITER 11: GROUNDTRACK AT CLOSEST APPROACH



SIGNIFICANT EVENTS:
EUROPA FLYBY (E11): 06-NOV-1997 20:32:46.60 ET
PERIJOVE (PJ11): 07-NOV-1997 00:43:20.20 ET

RINGS: 1.76 and 3.0 Rj
SPACECRAFT TIME TICKS EVERY 5 MINUTES
ET - UTC = 63.184 SEC AS OF 1-JUL-1997

PJ11 TIME (ET):
1997 Nov 7 00:43:20

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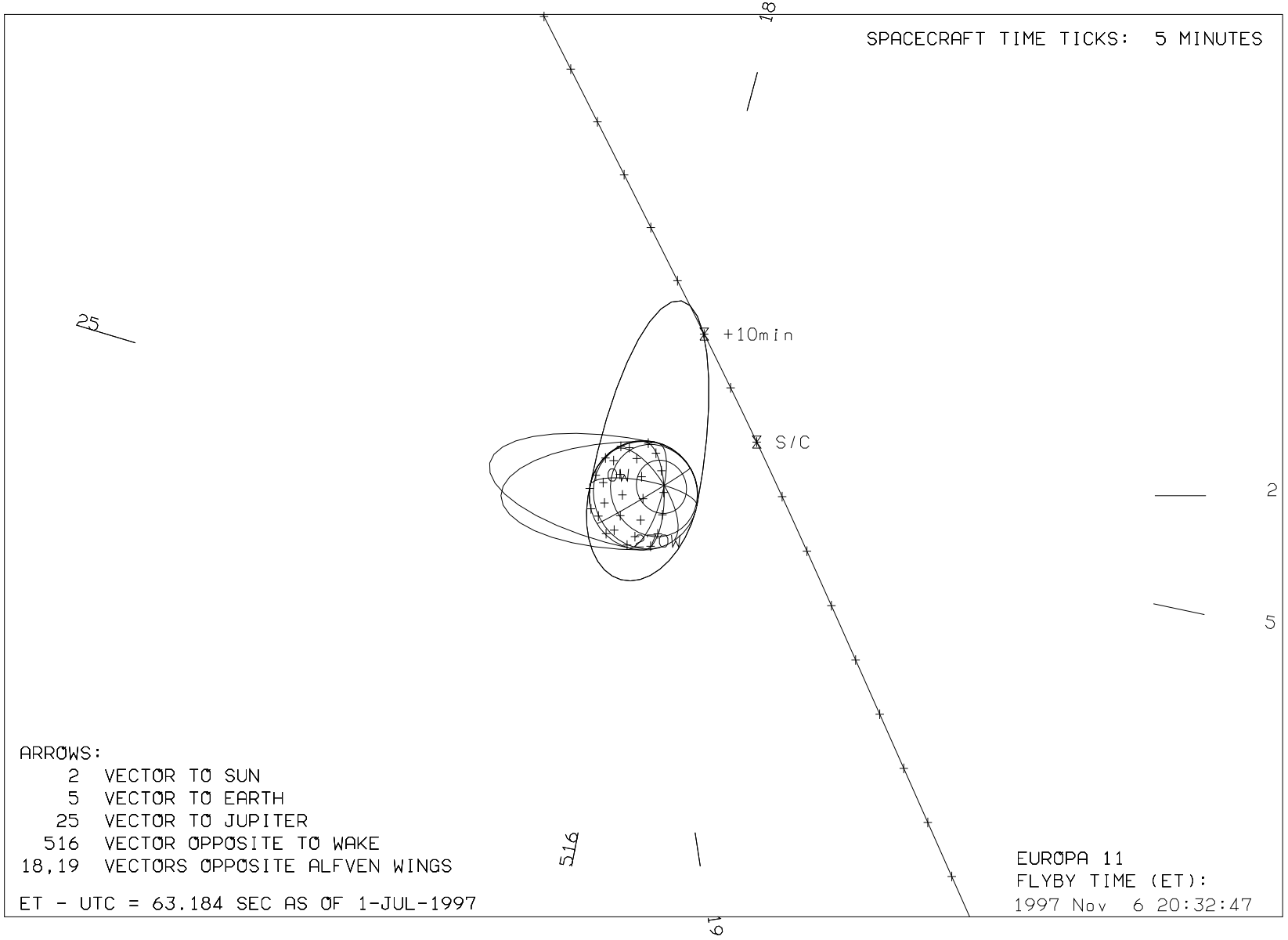
EUROPA 11: CLOSEST APPROACH (N TRAJ POLE VIEW)



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