Chapter 3 - Encounter Geometries

Contents

Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the SL9 Encounter.

The figure on page 3 shows the trajectory of the Galileo spacecraft relative to Jupiter at the time of the SL9 Impacts on Jupiter.

The figure on page 4 shows the planet Jupiter as it would be seen by Galileo at the time of the SL9 Impacts on Jupiter. The trajectory of the comet fragments is drawn, as well as Jupiter's Terminator. The NIMS footprint is drawn to scale to show its size relative to the size of Jupiter. Note that Jupiter is just slightly wider than the NIMS field of view.

DEVELOPMENT
MAGPAC V4.4D

GALILEO
TRAJECTORY
Tour: OD-68
Post-E2 + Ida
Segment 19

SOLAR-BASED
ECLIPTIC SYSTEM
X-Y PLANE PROJ.

CENTER: GALILEO
Plot Scale:
9. AU

DATE: 1994 JUL 17
TIME: 00:00:00
[C +14048:50:35]

C = Earth CA

S/C POSITION:

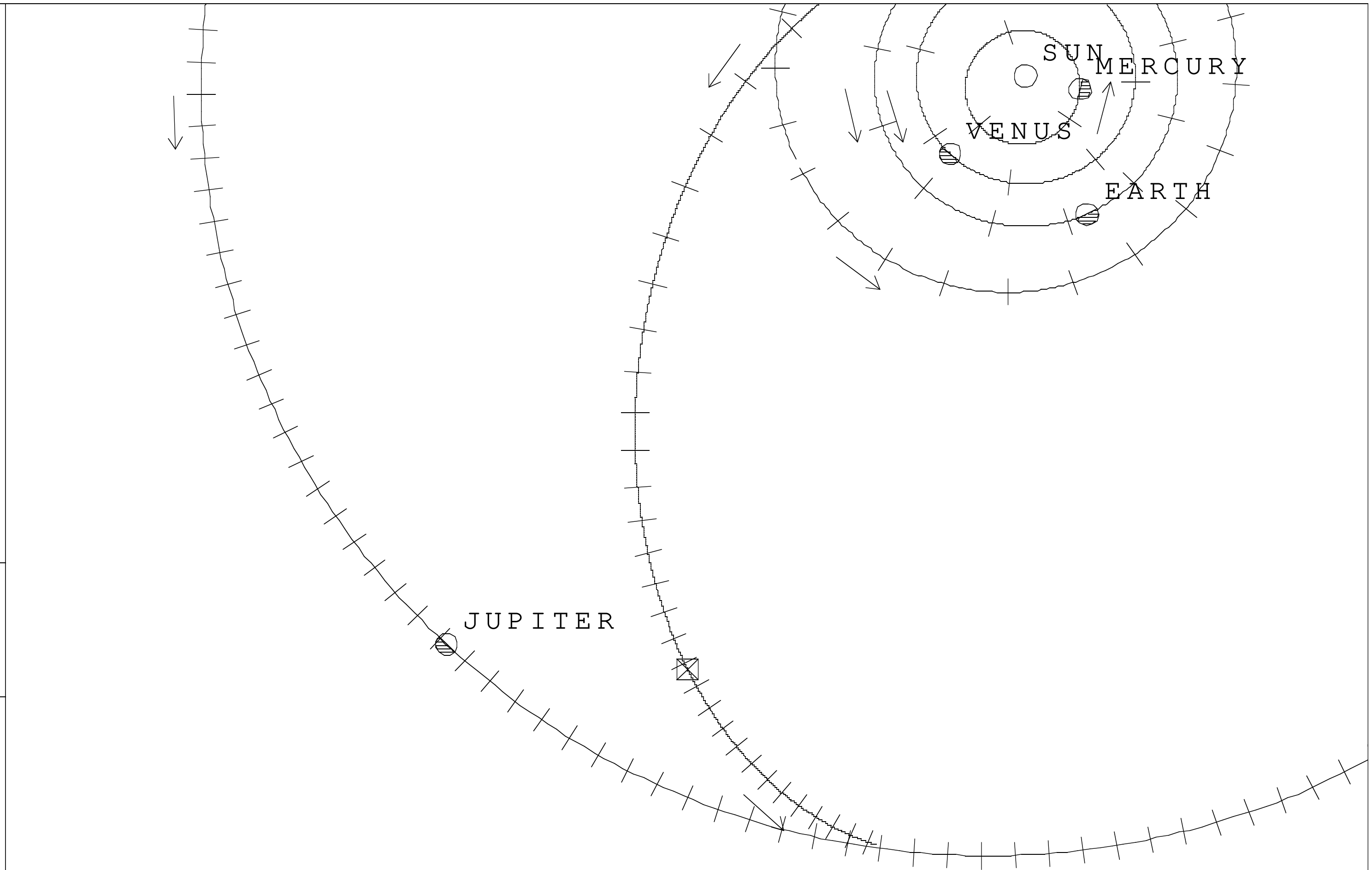
LATITUDE:
-0.39 °

LONGITUDE
[W of vernal]:
119.13 °

RANGE [AU]:
4.58

30. day
time tics

Body sizes are
not to scale



GALILEO'S VIEW OF SHOEMAKER-LEVY IMPACT