Chapter 2 - Encounter Overview

Contents

Introduction to Chapter 2

This chapter gives an overview of the entire Gaspra Encounter.

The first two timelines on pages 3 and 4, the EE2′ Overview - Parts 1 and 2, show the activities leading up to the Gaspra Encounter, the most important activity being the replay of the OPNAV images of Gaspra

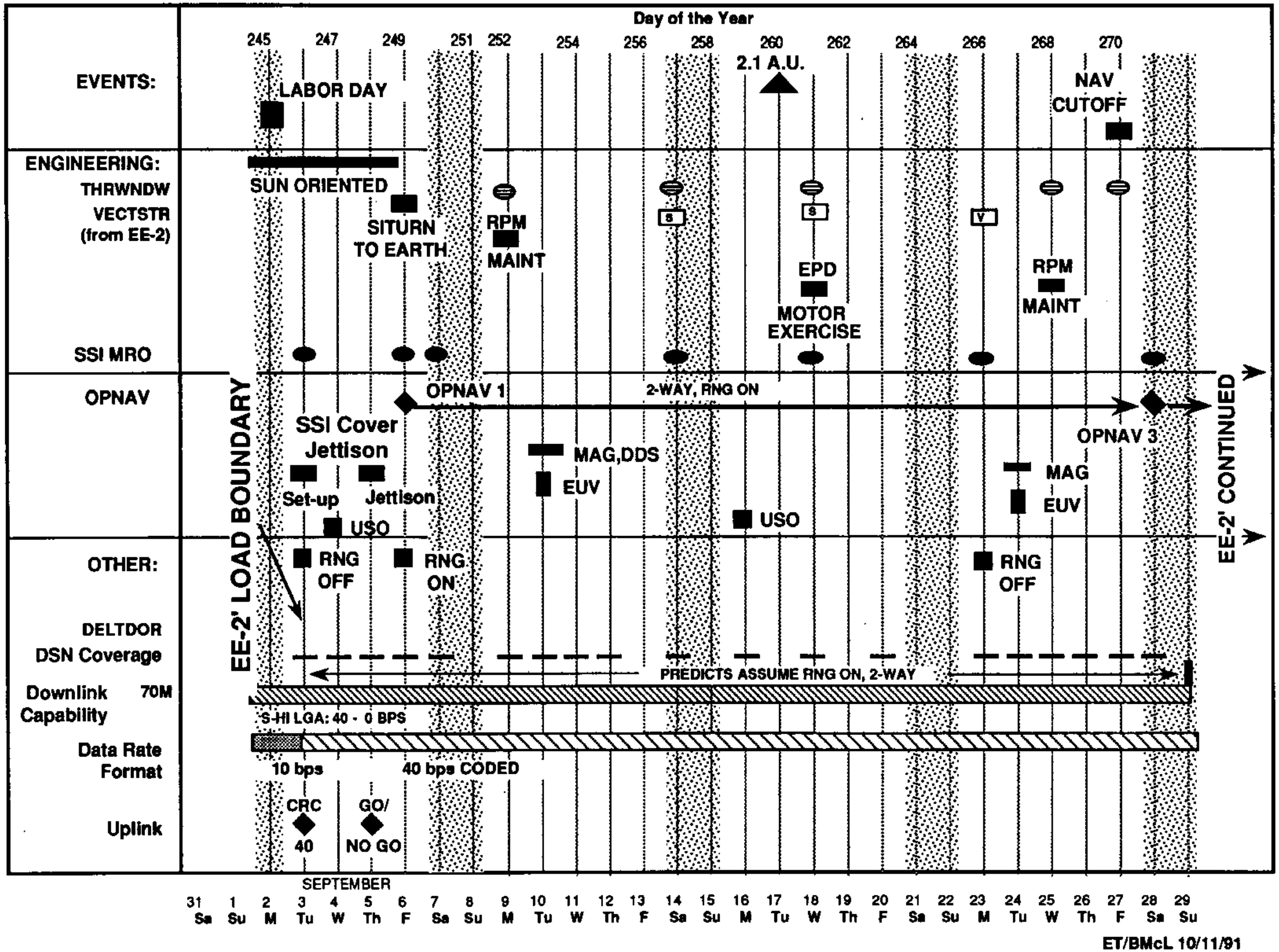
The timeline on page 5 shows the various activities involved in the processing of the final OPNAV 5 image of Gaspra leading up to the decision of go/no-go on the final ′tweak′ .

The timeline on page 6, the EE3′ Overview, shows the various activities occuring near Gaspra Closest Approach (GCA).

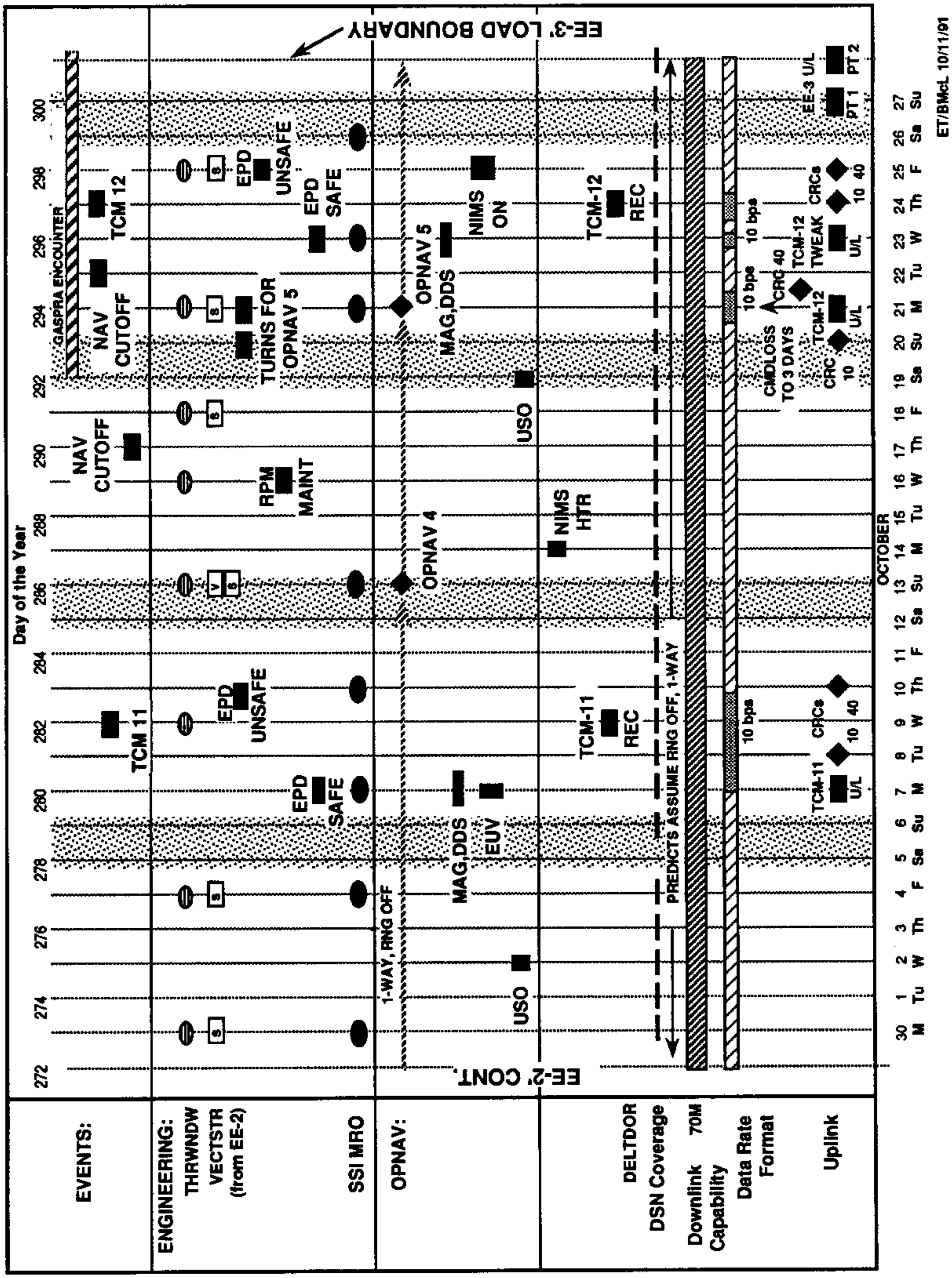
The timeline on page 7, the Gaspra Flyby Timeline, shows a closeup of the activities occuring right around Gaspra Closest Approach (GCA).

The timeline on page 8, the Galileo Gaspra Key Events Timeline, shows the science activities occuring during the Gaspra Encounter, with graphical representations of the major Gaspra mosaics.

EE-2' OVERVIEW, PART 1



EE-2' OVERVIEW, PART 2



GASPRA SEQUENCE TWEAK

Template 8e: Traj. Tweak (Asteroid Enc.)

NAV Processing (6h)

October 28, 1991 (Mon)

ERT (PST)

Hours From Gaspra C/A	-30 (at 8.5), -28 (at 10.5), -26 (at 12.5), -24 (at 14.5), -22 (at 16.5)		
MIPL Del OPNAV #5 to NAV	◇ 0900		
NAV Processing	0900	1500	6h
OPNAV Generate ORF	0900	1000	1h
OPNAV Deliver ORF to OD	◇ 1000		
OD Solve for Updated S/C State & Gaspra Ephemeris	1000	1300	3h
OD Deliver S/C State & Gaspra Ephemeris to TRAJ	1300 ◇ 1400		
TRAJ Generate Updated P-File & Pointing Data	1300	1400	1h
OPNAV Generate Pointing Data	1300	1400	1h
NAV Prepare Presentation Material/Repro	1300	1500	2h
NAV Del Updated P-File and Traj Data to SEQ/SROP	◇ 1500		
Tweak Go/No Go Meeting	1600	1700	1h
Hours From Gaspra C/A	-30, -28, -26, -24, -22		

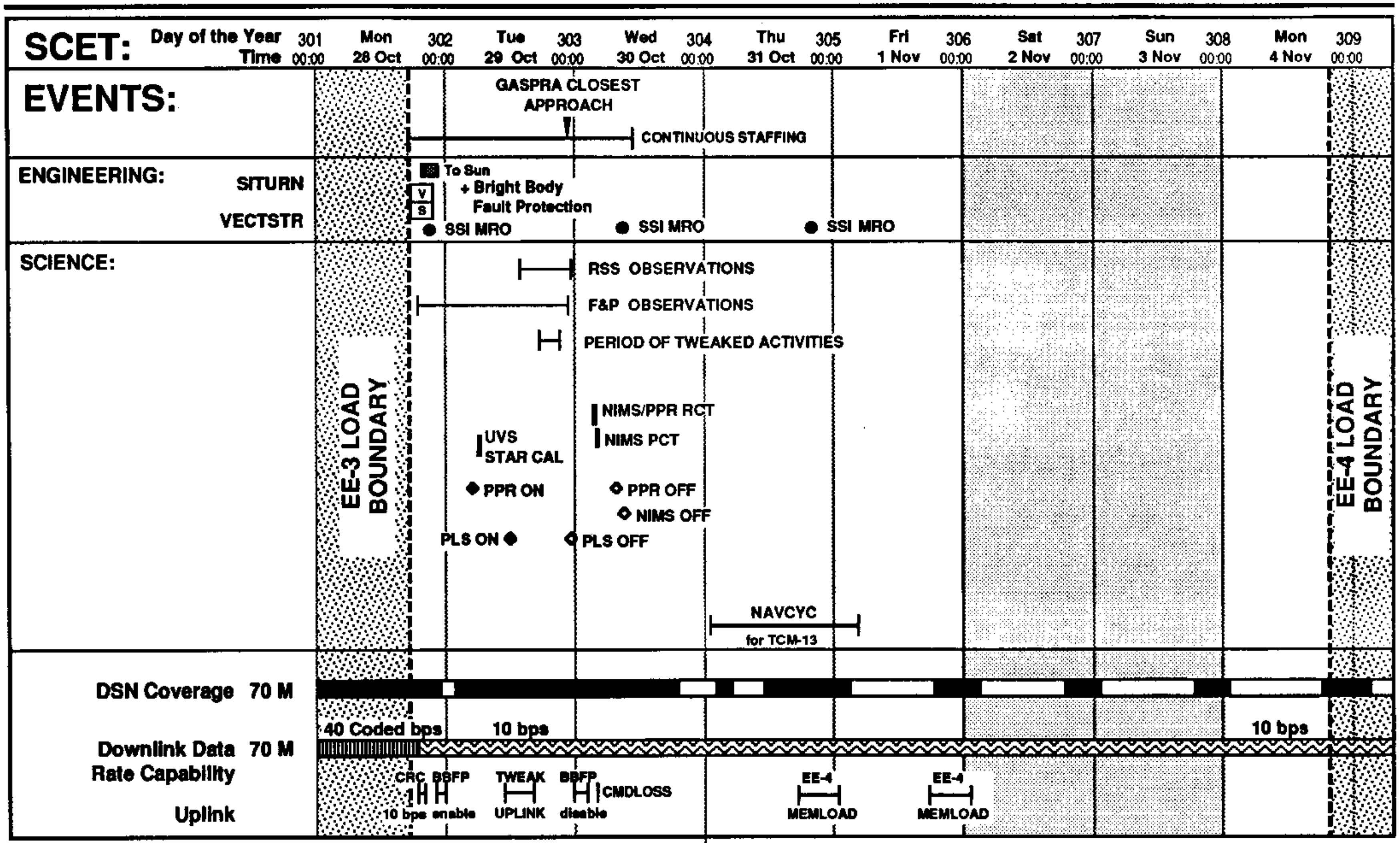
Hour columns: 7 8 9 10 11 12 13 14 15 16 17 18

Note: Time labels correspond to left edge of column.

LAD

September 20, 1991

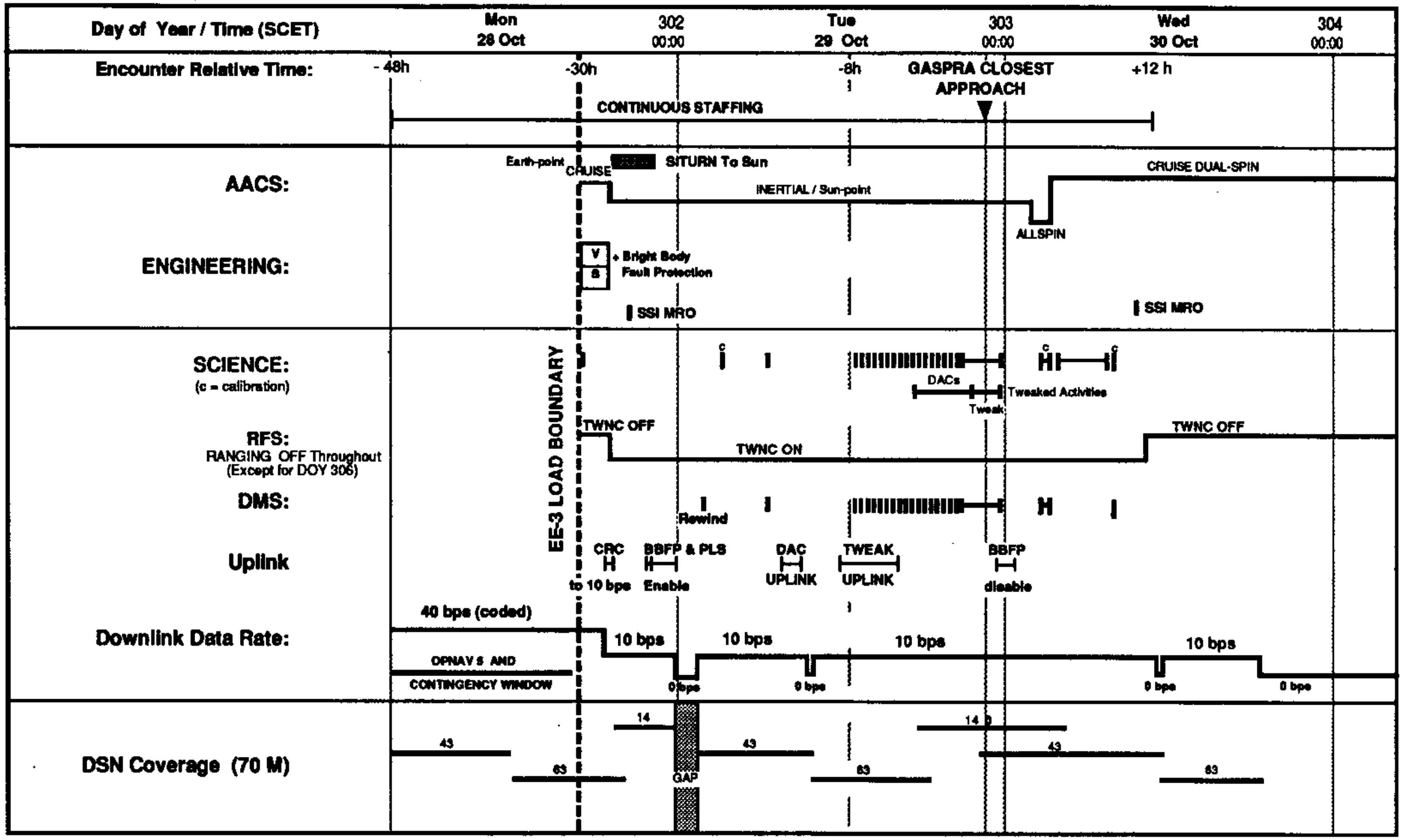
EE-3' Overview



Project Galileo
Mission Design Team

JMK/BMcL/ET
11 October 91

Gaspra Flyby Timeline



Project Galileo
Mission Design Team

B.McL./E.T
11 October 91

GALILEO GASPRA KEY EVENTS TIMELINE