

Galileo SPK files.

=====

This ``aareadme.txt'' file describes contents of the kernels/spk directory of the Galileo (GLL) SPICE data server. It was last modified on February 10, 2022. Contact Marc Costa Sitja (818-354-4852, Marc.Costa.Sitja@jpl.nasa.gov) or Boris Semenov (818-354-8136, Boris.Semenov@jpl.nasa.gov) if you have any questions regarding this data.

Brief summary

This directory contains the SPICE SP-Kernel files for the GLL spacecraft. The following files are present in this directory:

gll_951120_021126_raj2021.bsp	SPK file containing reconstructed GLL trajectory determined by Robert Jacobson, JPL SSD in 2021
gll_951120_021126_raj2007.bsp	SPK file containing reconstructed GLL trajectory determined by Robert Jacobson, JPL SSD in 2007
s960730a.bsp s970311a.bsp s980326a.bsp s000131a.bsp s030916a.bsp	SPK files containing GLL trajectory solution by GLL NAV team. See Appending below for more information about these files.

Appendix: Original AAAREADME File Covering GLL NAV SPK Files

2003 NOV 21 (NJB)

=====

This directory contains the latest SPK files produced by the Galileo Navigation Team, providing reconstructed data for the Galileo orbiter and probe for each mission phase. The phases, coverage intervals, and SPK file names are listed below.

Galileo Orbiter:

Phase	Coverage	SPK file
Interplanetary cruise	1989-OCT-19 to 1995-JUL-02	s970311a.bsp
Primary tour	1995-JUL-01 to 1998-JAN-01	s980326a.bsp
GEM (Galileo Europa Mission)	1997-DEC-01 to 2000-FEB-01	s000131a.bsp
GMM (Galileo Millenium Mission)	2000-FEB-01 to 2003-SEP-22	s030916a.bsp

Galileo Probe:

Phase	Coverage	SPK file
Probe separation through descent	1995-JUL-13 to 1995-DEC-07	s960730a.bsp

Each file contains extensive documentation stored in the file's "comment area." The comment area of an SPK file may be read using the SPICE Toolkit utility COMMNT. The command-line syntax for running commnt is

```
commnt -r <file name>
```

Example:

```
commnt -r s030916a.bsp
```

All files in this directory having names of the form *.bsp are Sun (IEEE "big-endian") binary files. They should be transferred in binary ftp mode. Downloading the files via web browser is risky and is not recommended.

The binary files listed here are readable without translation (to transfer format and back to host native binary format) on Sun, HP, SGI, PC, and Macintosh systems by SPICE Toolkits having version ID N0052 or later.