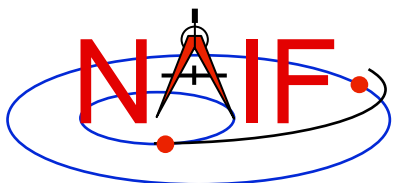


Navigation and Ancillary Information Facility

Reading FKs and IKs

April 2016



See The Real Stuff

Navigation and Ancillary Information Facility

- It may be useful for the student to examine a few existing Frames Kernels and Instrument Kernels to get a better understanding of the FK and IK tutorial information.
- NAIF suggests (**tonight**) you use your browser to examine some of the following “real life” kernels. (You may use `http` in place of `ftp`.)
- **DEEP IMPACT:**
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/di-c-spice-6-v1.0/disp_1000/data/fk/`
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/di-c-spice-6-v1.0/disp_1000/data/ik/`
- **CASSINI:**
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/co-s_j_e_v-spice-6-v1.0/cosp_1000/data/fk/`
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/co-s_j_e_v-spice-6-v1.0/cosp_1000/data/ik/`
- **MESSENGER:**
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/mess-e_v_h-spice-6-v1.0/messsp_1000/data/fk/`
 - `ftp://naif.jpl.nasa.gov/pub/naif/pds/data/mess-e_v_h-spice-6-v1.0/messsp_1000/data/ik/`
- **MARS EXPRESS:**
 - `ftp://naif.jpl.nasa.gov/pub/naif/MEX/kernels/fk/`
 - `ftp://naif.jpl.nasa.gov/pub/naif/MEX/kernels/ik/`