Retrieve the code and data tar files from the JHU/APL anonymous ftp site.

- ftp to sd-ftp.jhuapl.edu
- login as anonymous
- cd to /pub/upos
- the files to retrieve are:
  kp_ver_1.0.tar
  reformated_2002_afwa_data.tar.gz

Unpack the tar files.

kp_ver_1.0.tar:
- cd <your software installation directory>
- copy kp_ver_1.0.tar to <your software installation directory>
- tar –xvf kp_ver_1.0.tar

reformated_2002_afwa_data.tar.gz:
- cd <your data installation directory>
- copy reformated_2002_afwa_data.tar.gz to <your data installation directory>
- gunzip reformated_2002_afwa_data.tar.gz
- tar –xvf reformated_2002_afwa_data.tar

Install the kp software

- cd <your software installation directory>
- kp_install.pl

cd to <your software installation directory>/software/scripts and edit kp_end_to_end.pl. The following parameters must be changed before the KP software is executed. For a more complete description of these parameters please see section 3.1 of the Kp User’s Guide.
$linear_reg_q = "<your software installation directory>/data/fitK/";
$mag_data = "<directory in which test magnetometer data resides>";
$kp_bin_dir = "<your software installation directory>/software/bin/";
$kp_output_dir = "<your installation directory>/output/";
$num_qdc_days = 10;
$required_host = "<machine code will be executed on";

• cd to <your software installation directory>

• Issue a command such as:

   ./software/scripts/kp_end_to_end.pl 2002 08 27 00 2002 08 28 00