```
PDS_VERSION_ID                      = PDS3
LABEL_REVISION_NOTE                 = "
   For New Horizons, this LABEL_REVISION_NOTE is used to keep track of
   when the template is used to generate a DATASET.CAT file for a
   data set.
   Brian Carcich
   - Publication date:  2016-10-31
   - NH-internal archive software version:  V2.0
   "
RECORD_TYPE                         = STREAM
INSTRUMENT_HOST_NAME                = "NEW HORIZONS"
OBJECT                              = DATA_SET
  DATA_SET_ID                       = "NH-X-PEPSSI-2-PLUTOCRUISE-V2.0"

  OBJECT                            = DATA_SET_INFORMATION

    START_TIME                      = 2007-09-13T23:59:59.446
    STOP_TIME                       = 2015-01-14T23:59:57.690

    DATA_SET_DESC                   = "

    Data Set Overview
    =================
```

   This data set contains Raw data taken by New Horizons
      Pluto Energetic Particle Spectrometer Science Investigation
   instrument during the PLUTOCRUISE mission phase.

   PEPSSI (Pluto Energetic Particles Spectrometer Science Investigation)
   is a particle telescope and a time-of-flight (TOF) spectrometer that
   measures ions and electrons over a broad range of energies and ~~pitch~~
   angles. Particle composition and energy spectra are measured for H to
   Fe from ~ 30 keV to ~1 MeV (but not all species are uniquely separated)
   and for electrons from ~30 keV to 700 keV. PEPSSI comprises a
   time-of-flight (TOF) section and a solid-state detector (SSD) array
   that measures particle energy. The combination of measured energy and
   TOF provides unique particle identification by mass and particle energy
   depending on the range: for protons from ~30 keV to ~1 MeV; for heavy
   (CNO) ions from ~80 keV to ~1 MeV. Lower-energy (>3 keV) ion fluxes are
   measured by TOF only, but without the SSD signal, providing velocity
   spectra at these energies as well. Due to storage and bandwidth
   limitations, all event data cannot be stored or telemetered to the
   ground. Instead, a round-robin algorithm is used to save Energy, TOF,
   and timing data for select events. The common data products contain
   these event and summary measurements, accumulated over fixed periods of
   86,400 seconds, with each period in a single file comprising multiple
   binary tables.  The documentation provided with this data set describes
   the data format.

   *[handwritten note: delete since NH has no magnetometer]*

   PEPSSI Data Summary
   ===================

   During the Annual Check-out (ACO) periods 1-4 in 2007 though 2010,
   PEPSSI performed a combination of calibration operations, table and
   macro loads, and statistics gathering, which may be suitable for
   science.