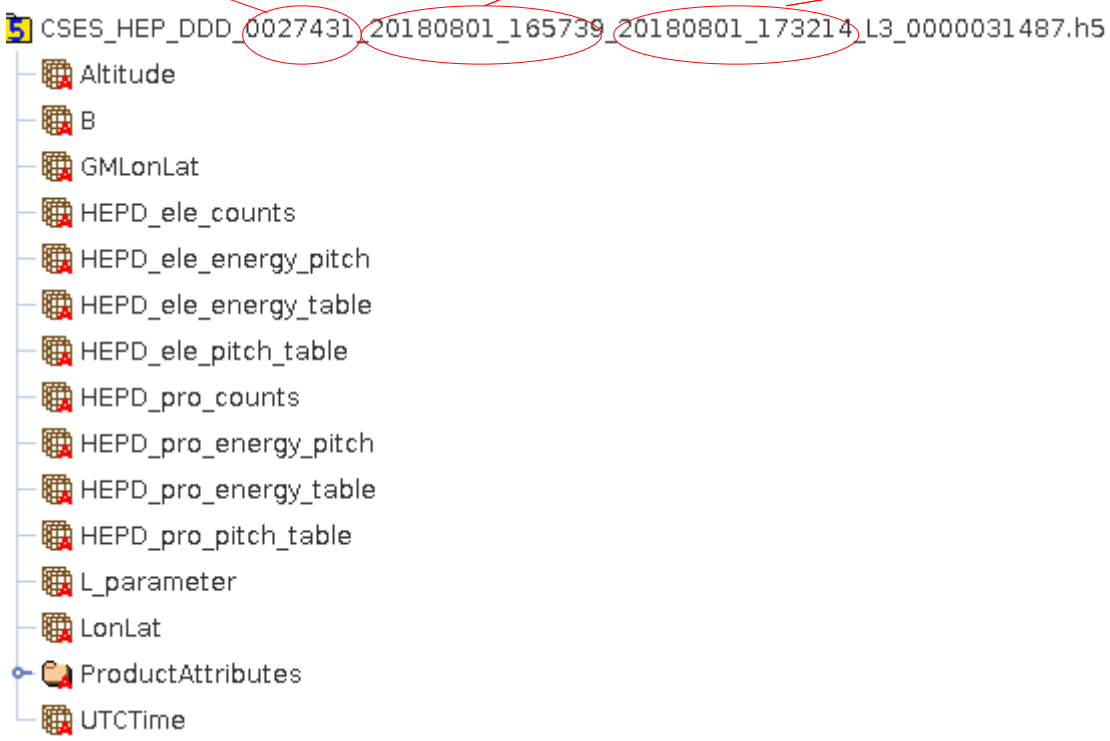
HDF5 FORMAT – HEPD

1 file h5 per CSES semi-orbit

Orbit number + Orbit flag Semi-orbit start (date and time) Semi-orbit end (date and time)



Each table contains some attributes with a brief description of the content (e.g. units, type of the variable etc.).
Other ancillary general information are contained in the folder named ProductAttributes.

HEPD_ele_counts → electron counts/s, integrated over all the incoming directions and all the energies (same information contained in the "Count_Electron" table in the HEPP data)
HEPD_ele_energy_table → upper bin edge of the energy bins for electrons (same information contained in the "Energy_Table_Electron" table in the HEPP data)
HEPD_ele_pitch_table → upper bin edge of the pitch bins (same information contained in the "PitchAngle" table in the HEPP data)
HEPD_ele_energy_pitch → counts/(s*cm^2*sr) per energy/pitch bin (same information contained in the "A411" table in the HEPP data)

HEPD_pro_counts → proton counts/s, integrated over all the incoming direction and all the energies (same information contained in the "Count_Proton" table in the HEPP data)
HEPD_pro_energy_table → upper bin edge of the energy bins for protons (same information contained in the "Energy_Table_Proton" table in the HEPP data)
HEPD_pro_pitch_table → upper bin edge of the pitch bins (same information contained in the "PitchAngle" table in the HEPP data)
HEPD_pro_energy_pitch → counts/(s*cm^2*sr) per energy/pitch bin (same information contained in the "A412" table in the HEPP data)