1. Direct estimate using the upper hybrid resonance frequency (fUHR) line from the HFR/EMFISIS data (cdf file name: Flight/RBSP-A/L2/2012/11/24/rbsp-a\_HFR-spectra-merged\_emfisis-L2\_20121124\_v?.?.?.cdf it would be the same subfolder name if downloaded from EMFISIS webside). The frequency range of HFR is 1.e4-5.e5Hz, covering the fUHR.

2. Density gradient can also be inferred from s/c-potential. Please refer to the example crib within SPEDAS: mini-gem-crib.pro

3. Can also integrate the electron PSD to obtain the partial density within a certain energy (say, 100-500 eV) and use that as a proxy to infer the plasmapause location.