

Figure 1. Solar wind and geomagnetic indices (OMNI data, panels (a) to (g)) as well as ARTEMIS P1 and ARTEMIS P2 magnetic field and ions particle data and the corresponding moments during a cold heavy ion measurement on 22 August 2013 between 00:00 and 03:30 UT. Panels (j) and (k) are differential energy flux from ElectroStatic Analyzers in which the cold heavy ion beams are noticeable as upper narrow population situated above the main proton population. Panels (l) and (m) are the ion densities, and (n) and (o) are the drift (bulk) velocity moments.

