

Description of experiment data

For each year, the following data are organized in subdirectories:

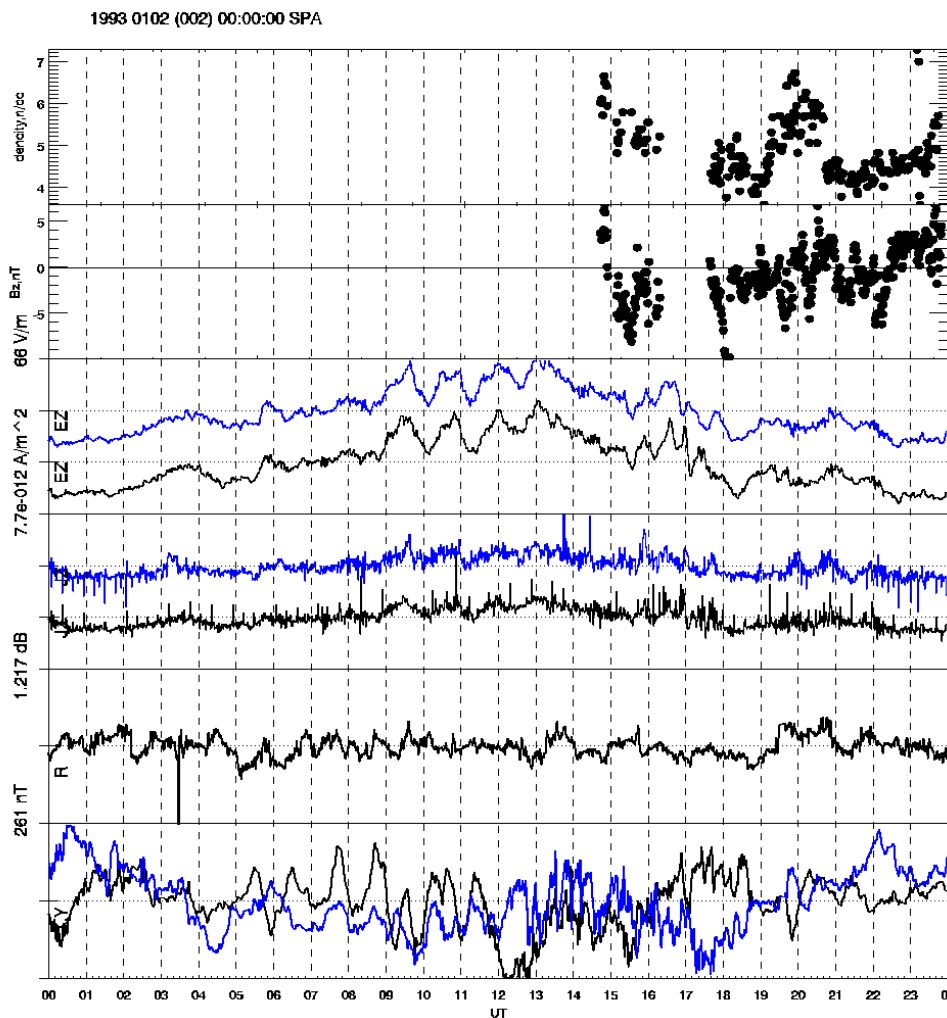
- \ OMNI | data on the parameters of the interplanetary environment OMNI (1 min)
- \ SPA_Ez \ atmospheric field E_z (V / m) and current J_z (A / m^2) at the SPA station (1 min)
- \ SPA_mag \ magnetic data (X- and Y-components) SPA (10 sec)
- \ SPA_rio \ riometer data on the absorption of cosmic radio noise at the SPA station (10 sec)

Daily quick-look (QL) pictures for the events selection were made for the researchers in the \ QL-plots \ directory with the following parameters:

- variations of the solar wind pressure P and the B_z component of the interplanetary magnetic field;
- E_z (at close spaced out points)
- J_z (overlaid measurements at spaced points)
- riometer at the frequency ?? MHz
- magnetic data (X- and Y - components)

If there is no file with E_z data, then the day was not drawn.

As an example of QL pictures, the figure shows the event on January 2, 1993.



The figure shows quasi-periodic modulation of the field and current with a time scale of ~ 1 hour, starting at about 08 UT and continuing for several hours. The appearance of similar signals in the Y- and Z-components of ground-based magnetograms can be seen.