

Metadata file for study SND-1163 – Ion and electron momentum flux observed by Rosetta
(<https://doi.org/10.5878/t0r1-2y39>)

This metadata file contains description of data as listed in the CSV-file (ion-electron_mom_flux_Rosetta.csv).

Columns are described below from left to right:

1. Mission time
2. Cometary ion (x-component) of momentum flux
3. Cometary ion (y-component) of momentum flux
4. Cometary ion (z-component) of momentum flux
5. Solar wind ion (x-component) of momentum flux
6. Solar wind ion (y-component) of momentum flux
7. Solar wind ion (z-component) of momentum flux
8. Electron pressure
9. Magnetic pressure

All data has been averaged over 12 hours of mission time, with measurements recorded between August 2014 and October 2016.

The cometary ion and solar wind ion data was calculated using data from the Rosetta Ion Composition Analyzer.

Electron pressure data was calculated from Langmuir probe and Mutual Impedance Probe data.

Magnetic pressure data was calculated using magnetometer data.