



## ESA *Swarm* Mission - Level 1b Products

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*Swarm*, a three-satellite constellation to study the dynamics of the Earth's magnetic field and its interactions with the Earth system, has been launched in November 2013. The objective of the *Swarm* mission is to provide the best ever survey of the geomagnetic field and its temporal evolution, which will bring new insights into the Earth system by improving our understanding of the Earth's interior and environment.

The Level 1b Products of the *Swarm* mission contain time-series of the quality screened, calibrated, corrected, and fully geo-localized measurements of the magnetic field intensity, the magnetic field vector (provided in both instrument and Earth-fixed frames), the plasma density, temperature, and velocity. Additionally, quality screened and pre-calibrated measurements of the nongravitational accelerations are provided. Geo-localization is performed by 24- channel GPS receivers and by means of unique, three head Advanced Stellar Compasses for high-precision satellite attitude information. The *Swarm* Level 1b data will be provided in daily products separately for each of the three *Swarm* spacecrafts. This poster will present detailed lists of the contents of the *Swarm* Level 1b Products and brief descriptions of the processing algorithms used in the generation of these data.