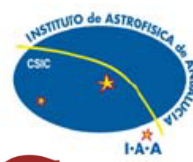




Osservatorio Astronomico di Capodimonte



Institute for Space Astrophysics and Planetology  
Istituto di Astrofisica e Planetologia Spaziali



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# GIADA

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## 2° part - A brief overview of the GIADA archive: products and what /how to use them.

### GIADA Archive Products Description:

GIADA DATASETS contain both Level 2 and Level 3 data.

#### Level 2:

- Data are organized in ASCII tables.
- One table per day for each detection type, i.e. GDS, IS, GDS-IS, MBS.
- Telemetries are converted in engineering values.
- No check is performed on false or spurious detections.



## Level 3:

- For the IS-only and GDS-IS detections:
  - For each mission phase (Dataset) a single ASCII table reporting only real detections (spurious detections removed) is provided.
  - In each ASCII table are reported the following information:
    - Detection type, i.e. IS-only and GDS-IS
    - Detection time
    - Individual particle physical parameters and their errors:
      - Momentum
      - Speed
      - Mass
- For the GDS-only detections the conversion to physical unit, i.e. signal to geometrical cross section, is not reported because depends on assumption on the optical properties of the particle.
- For the MBS measurements the physical parameters can be obtained using Level 2 tables and the conversion factor from engineering unit to physical provided in the GIADA archive.



## GIADA Archive Products - what /how to use them:

- Use what/how you like from the GIADA archive to produce nice science.
- We would be happy if you keep us informed 😊.
- We are available for any clarification/information you need.
- We hope you will not be disappointed by the “GIADA super green” 😊