Dall’ ASI Science Data Center allo Space Science Data Center.

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Multi-Mission Interactive Archive for Space Science

- Science Operations Center of AGILE
- Data distribution via its Multi-Mission Archive
- Web based interactive analysis and data fusion
- Data reduction software (Swift, NuSTAR, etc)
- Participation to Virtual Observatory
- Science and Data Center research

- 23 space missions supported
- 13 operational in 2016
- Several possible new projects (e.g. Chang-E1/2, EUCLID, CHEOPS, PLATO, DAMPE?, New NASA M4DEX?, HXMT, MIRAX, New ESA-M4 mission?)

The ASDC is one of the largest scientific data centers in Europe
Ground Segment Structure

The Italian facility: ASI + TPZ
Incontro MacroArea 4 Bologna 6-7 Giugno 2016

L.A. Antonelli

http://www.asdc.asi.it/
The new Space Science Data Center

The diagram illustrates the integration of two communities into a shared infrastructure: the Earth Observation (EO) Community and the Observation of the Universe (OUI) Community. The infrastructure is labeled as "INFRASTRUTTURA COMUNE." The EO Community is connected to the OUI Community through the shared infrastructure, indicating a collaborative effort in space science data management.
NEXT SLIDES ARE DEDICATED TO ASDC CURRENT SERVICES ACCESSIBLE VIA WEB

http://www.asdc.asi.it/
http://www.asdc.asi.it/
Multi-Mission Interactive Archive

Query results for: 3C279 (by ASDC)
Details: query with RA = 194.046309 (deg); DEC = -5.789235 (deg); EQUINOX = 2000; sort by RA;

Bibliographic search

Source Names

- PKS1253-065
- In time range between 1900 and 2016
- By name via NED
- By coordinates via ADS

### MISSION | ENTRIES
--- | ---
PLANK | 0
HERSCHEL | 1
SWIFT | 389
ASCA | 0
BeppoSax NFI | 5
BeppoSax WFC | 23
EINSTEIN | 0
EXOSAT | 0
NUSTAR | 2
ROSAT | 42
AGILE | 51
EGRET | 8
FERMI | 1

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Accessing Fermi and AGILE Data
**Not only HE**

**Swift UVOT**

**HERSCHEL**

**PLANCK**

Planck Catalogs and Image Server
3C454.3 Ra=343.49060 deg Dec=16.14822 deg (NH=6.6E20 cm^{-2})