The background of the slide is a composite image. At the top, a row of various satellites is shown against a starry space background. On the right, a portion of the Earth's horizon is visible. The central and lower portions of the image are dominated by a large, vibrant, and somewhat abstract shape in shades of blue, yellow, and orange, resembling a nebula or a high-energy cosmic event. In the lower-left foreground, the AGILE satellite is depicted in detail, showing its solar panels and instruments.

AGILE @ ASI Science Data Center Community and User Support

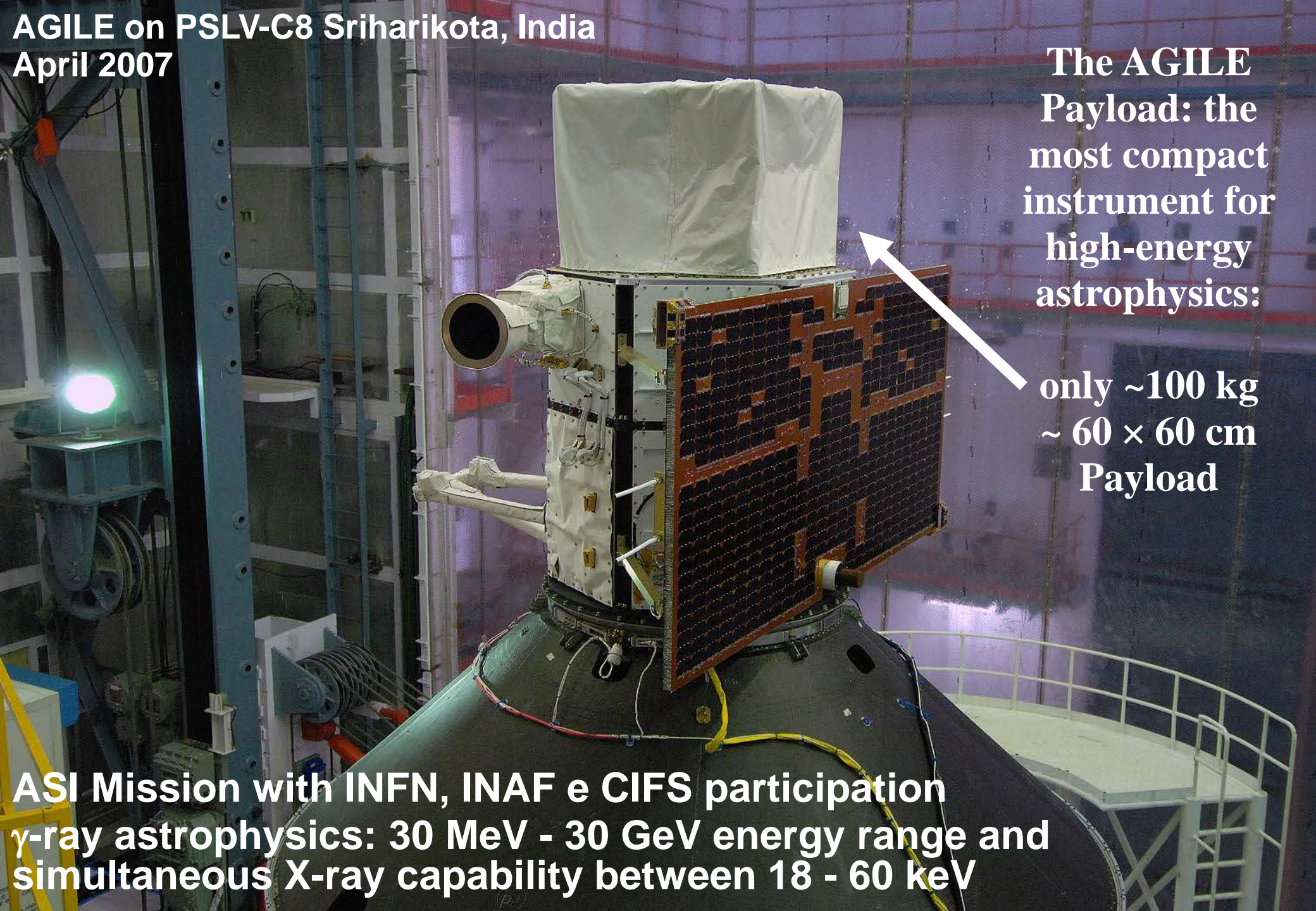
**Carlotta Pittori, ASDC
on behalf of the AGILE Data Center**

**AGILE on PSLV-C8 Sriharikota, India
April 2007**

**The AGILE
Payload: the
most compact
instrument for
high-energy
astrophysics:**

**only ~100 kg
~ 60 × 60 cm
Payload**

**ASI Mission with INFN, INAF e CIFS participation
γ-ray astrophysics: 30 MeV - 30 GeV energy range and
simultaneous X-ray capability between 18 - 60 keV**



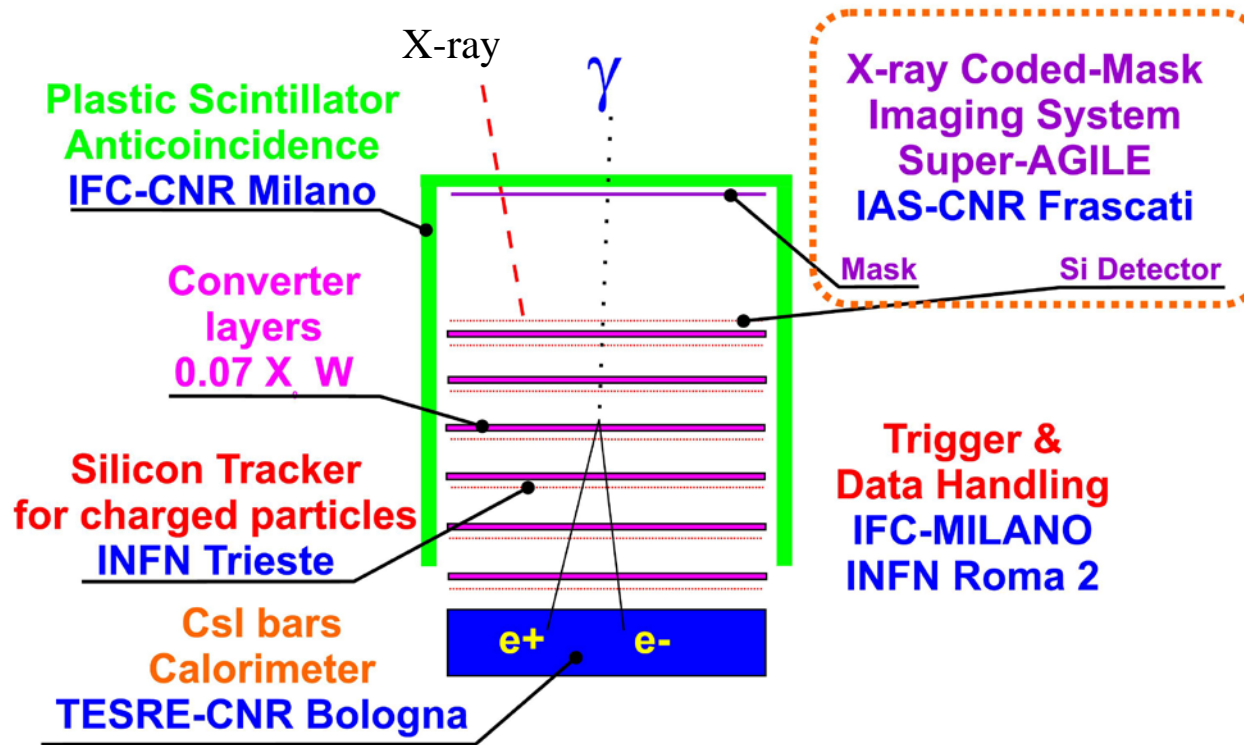
Working principle of AGILE and Fermi/GLAST: **PAIR**

$$\text{PRODUCTION } \gamma \Rightarrow e^+ + e^-$$

- **Pair production Si-Tracker telescopes** with a calorimeter to measure energy and a scintillator system to veto charged particles background

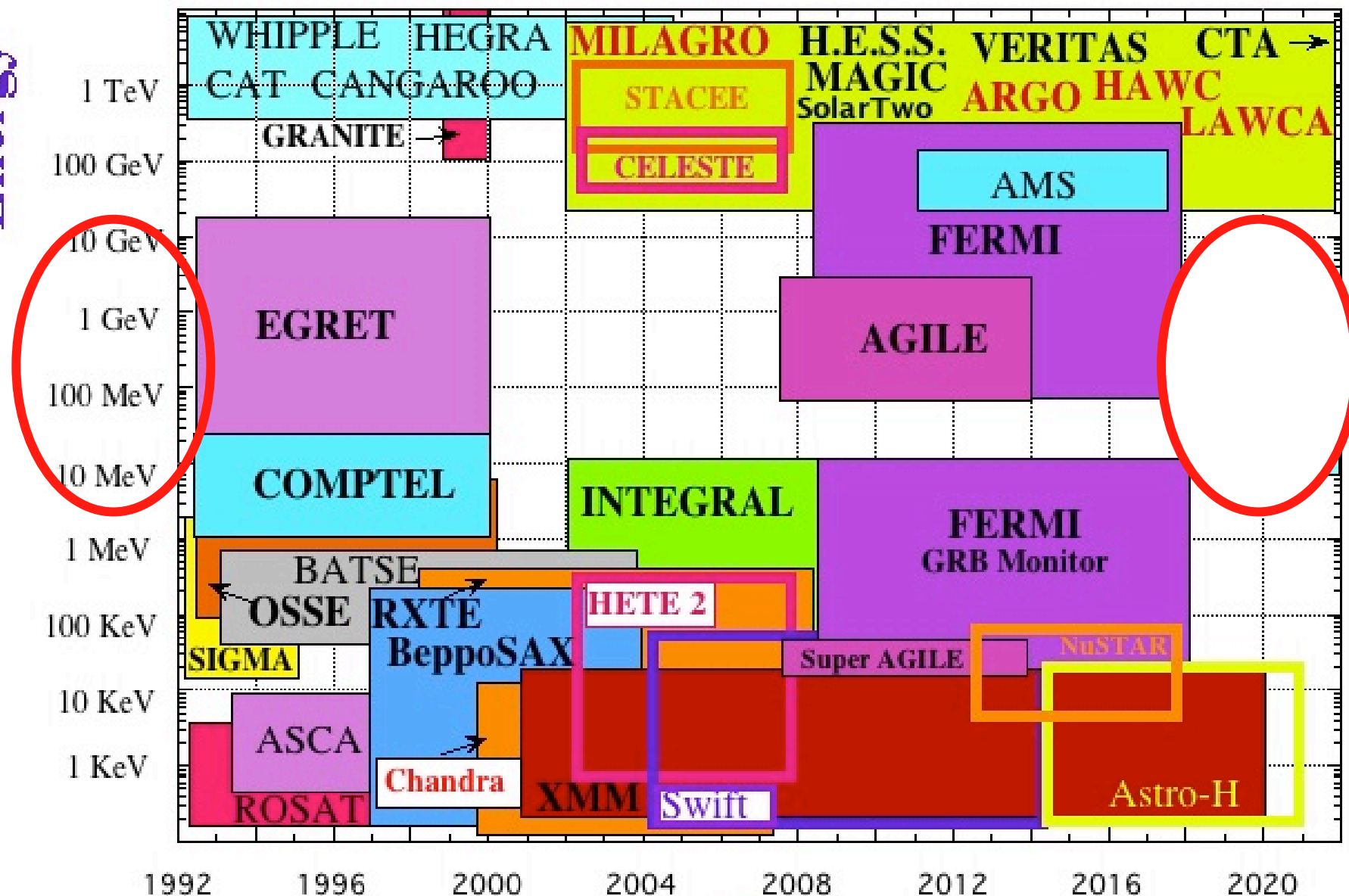
- **Charged particle background: 10^4 - 10^5 times larger than the γ signal**

- Trigger based on the silicon planes
- Low power electronics



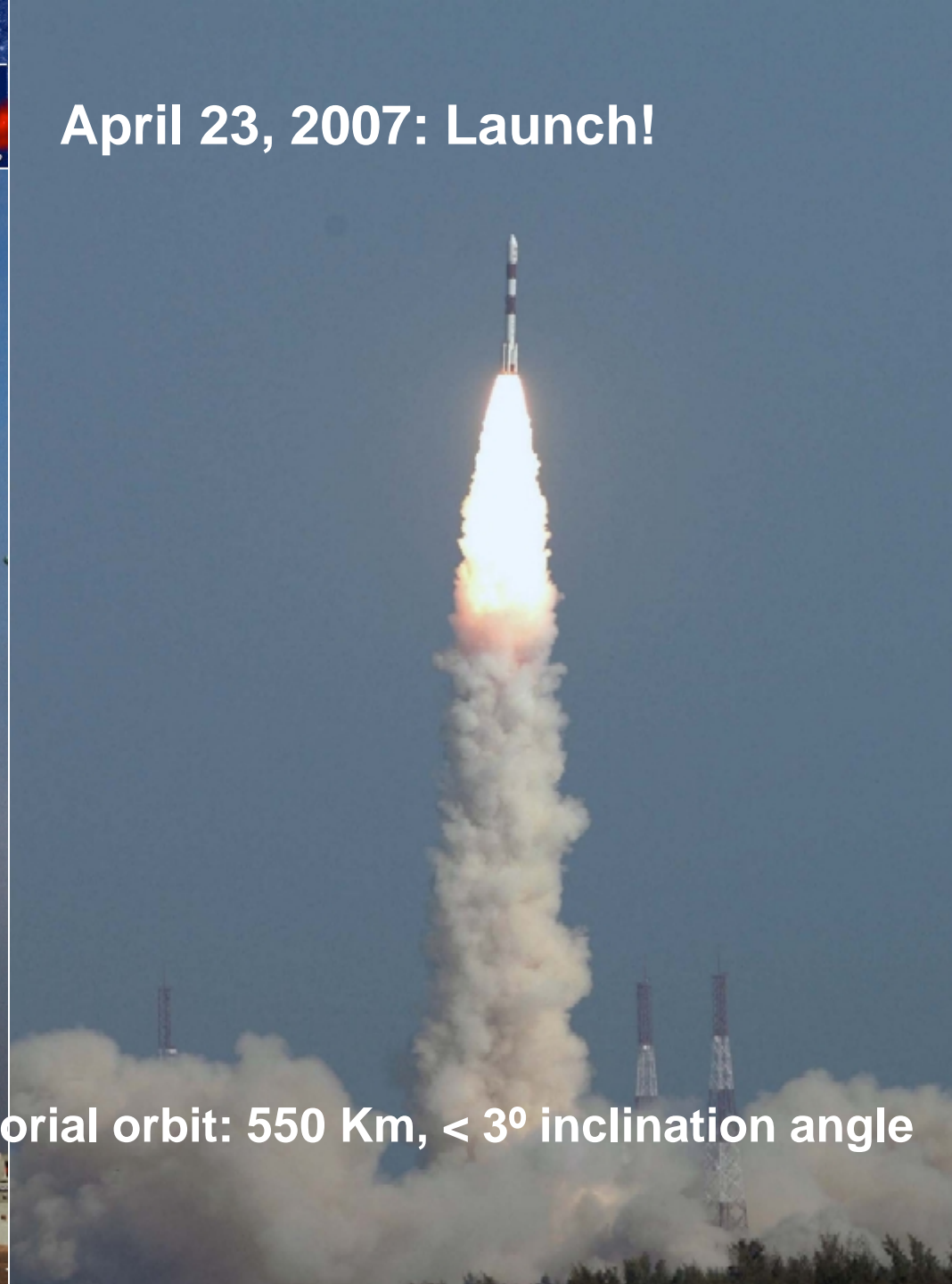
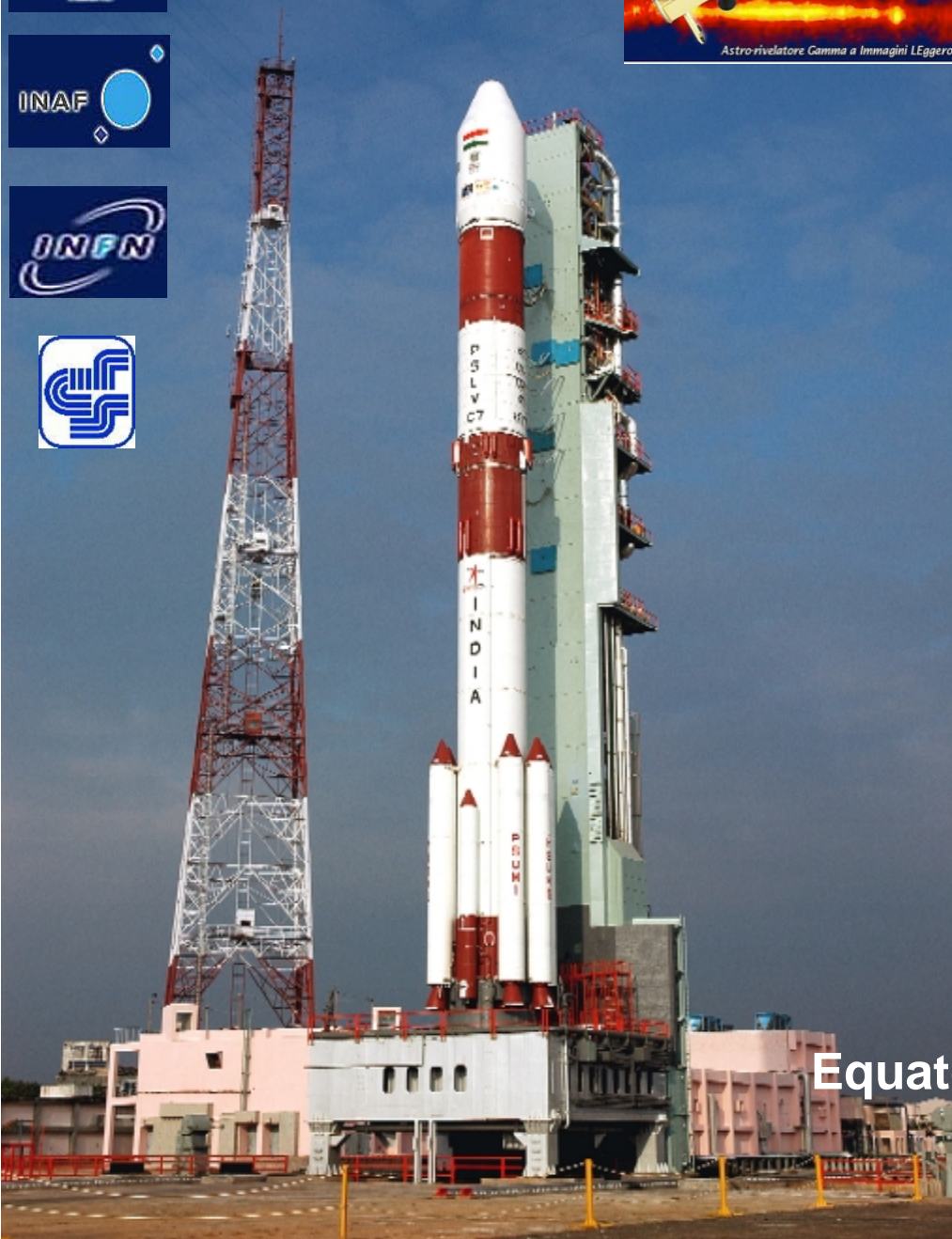
AGILE P/L
components

Energy





April 23, 2007: Launch!



Equatorial orbit: 550 Km, $< 3^\circ$ inclination angle

AGILE orbital parameters

Baseline equatorial orbit: 550 Km, 3° inclination

Semi-major axis: 6922.5 km (± 0.1 km)

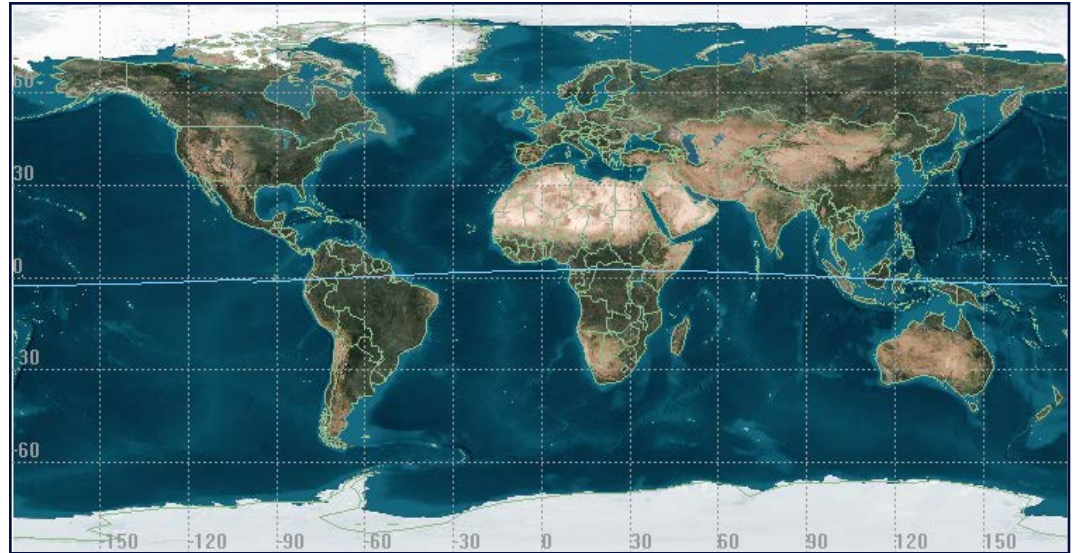
Requirement: 6928.0 ± 10 km

Inclination angle: 2.48° ($\pm 0.04^\circ$)

Requirement: $< 3^\circ$

Eccentricity: 0.002 (± 0.0015)

Requirement: $< 0.1^\circ$



Satellite-AGILE - 28 Mar 2013 10:08:13

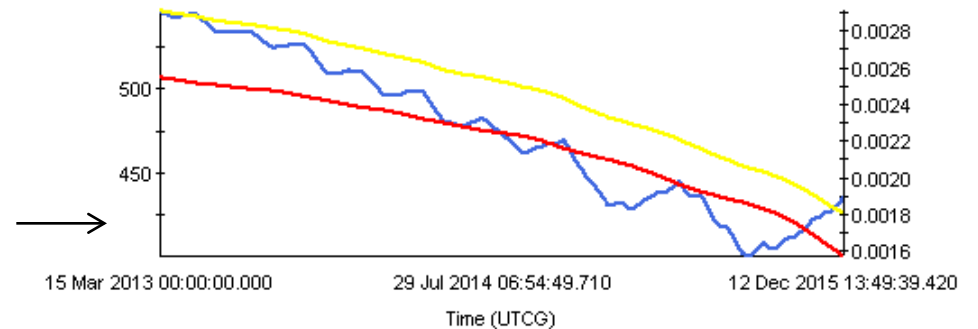
TPZ orbital decay estimate:

Height < 400 Km on **20/04/2017**

(A/M=0.009 sqm/Kg)

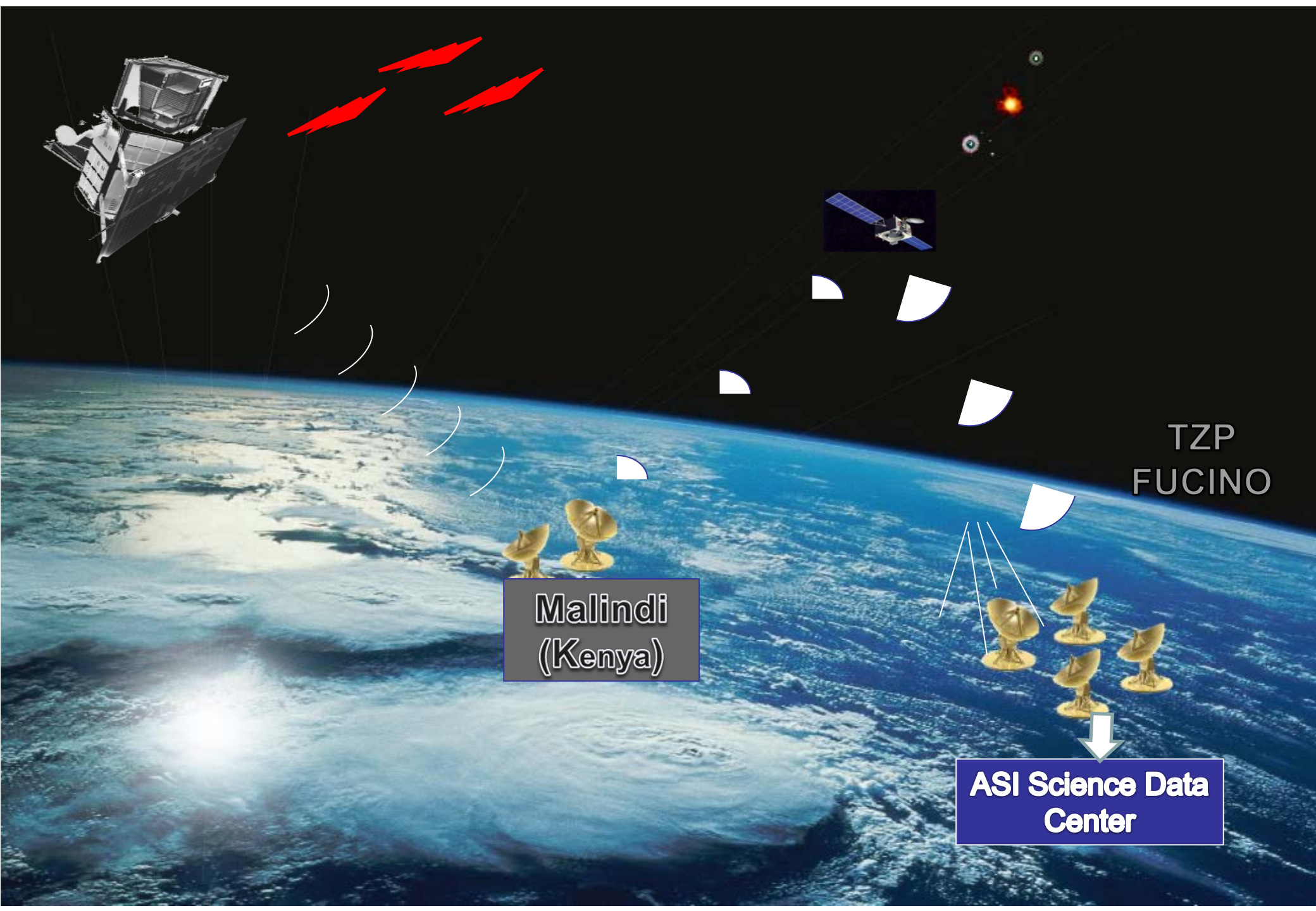
Worst case (A/M=0.012 sqm/Kg): **02/11/2015**

Best case (A/M=0.006 sqm/Kg): 29/04/2023



(March 2013 updated estimate, using recent solar flux “Schatten” forecasts + 2σ)

— Height of Apogee (km)
— Height of Perigee (km)
— Eccentricity



Malindi
(Kenya)

TZP
FUCINO

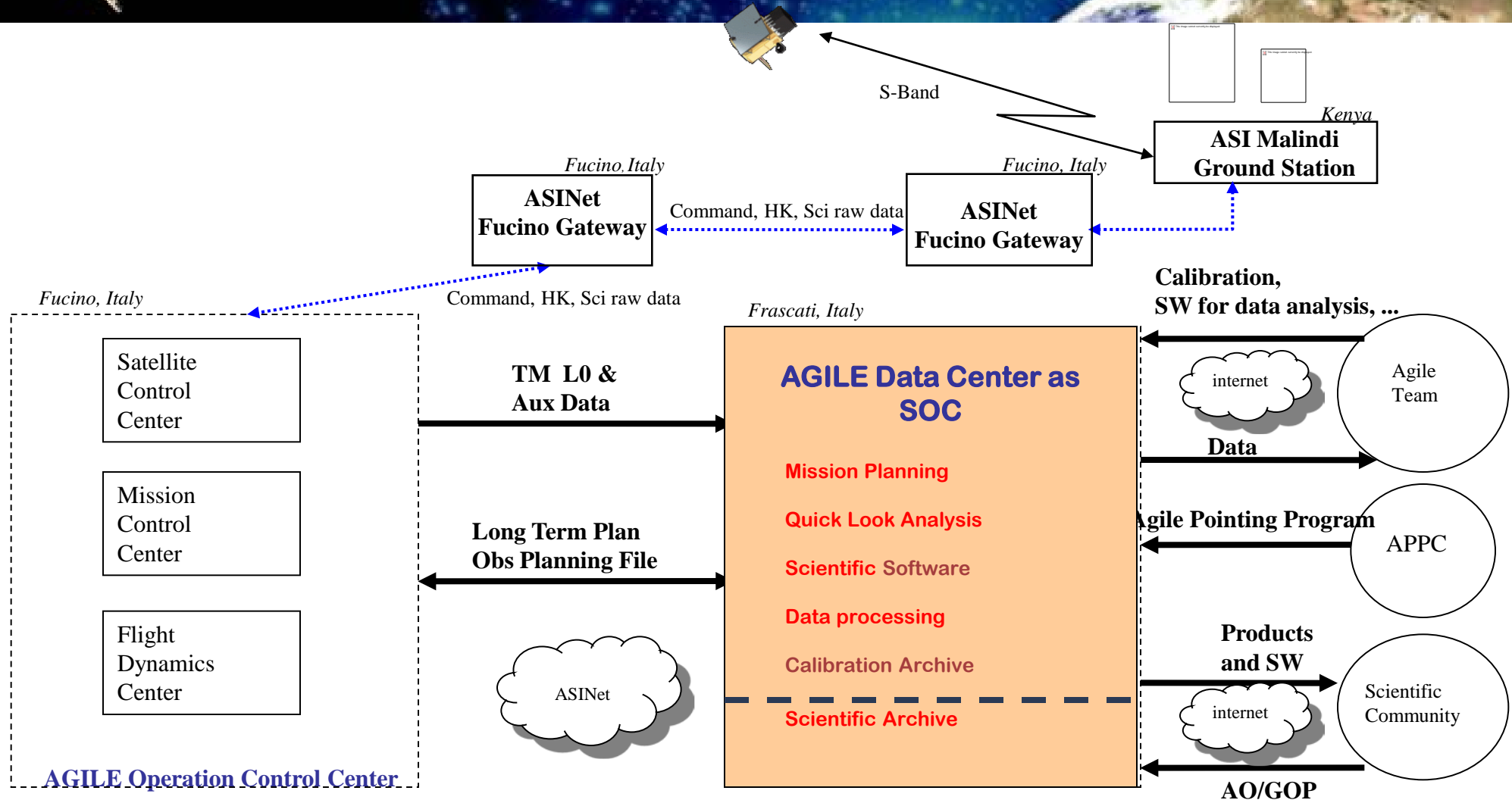
ASI Science Data
Center



AGILE

Science Data Center

AGILE GS Architecture

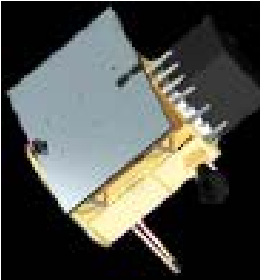




AGILE Telemetry raw data (Level-0) are down-linked every 📡 100 min to the ASI Malindi ground station in Kenya and transmitted first to the Telespazio Mission Control Center at Fucino, and then to the AGILE Data Center (ADC). Raw data are routinely received at ADC **within 📡 5 min after the end of each contact.**

ADC main tasks are:

- data processing (real-time and reprocessing) and production of the data archives (from raw data to scientific level data through calibration level data),
- **preliminary data analysis (Quick Look Analysis),**
- **management of the Guest Observer Program and of the AOs**
- **management of the Mission Planning (Long Term Plan preparation and emission),**
- data and software distribution to the scientific community



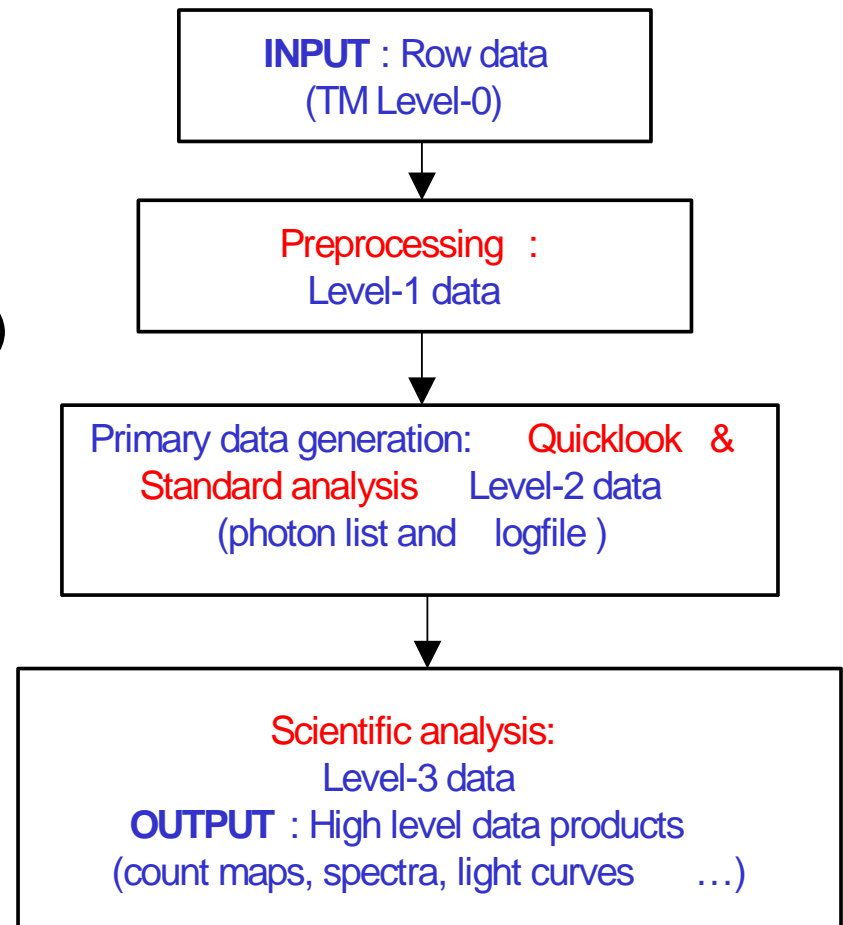
AGILE

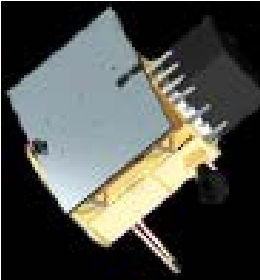
Science Data Center

- The ADC, part of ASDC, is in charge of **all the scientific oriented activities related to the analysis and archiving** of AGILE data:

From scientific telemetry (TM) Level-0:

- ✓ Preprocessing → Level-1 data
- ✓ Quick-Look Analysis (transient detection)
- ✓ Standard analysis → Level-2 data (photon list)
- ✓ Scientific analysis (source detection, diffuse gamma-ray background)
- ✓ Archiving and distributing **all scientific AGILE data**

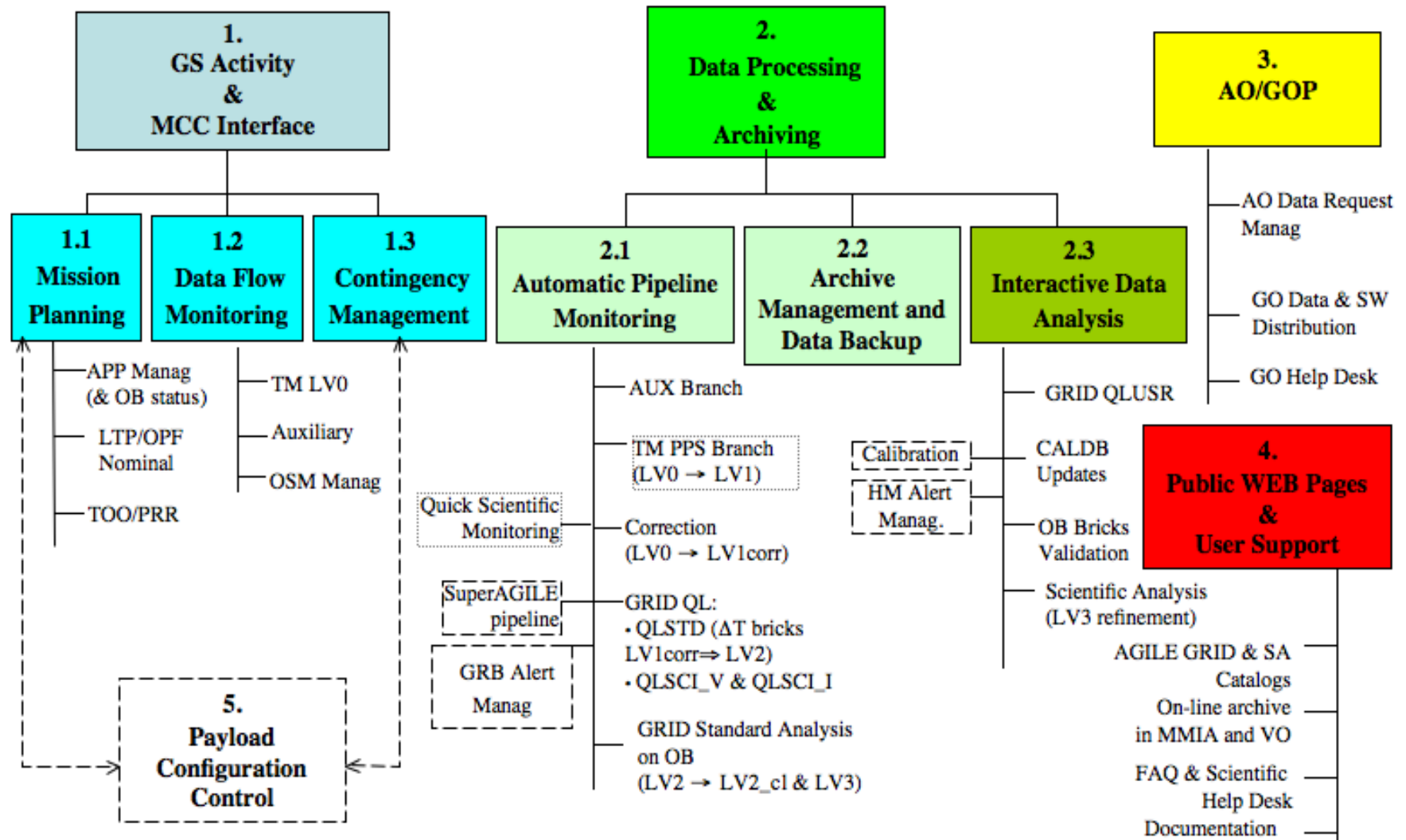




AGILE

Science Data Center

ADC operation scheme:





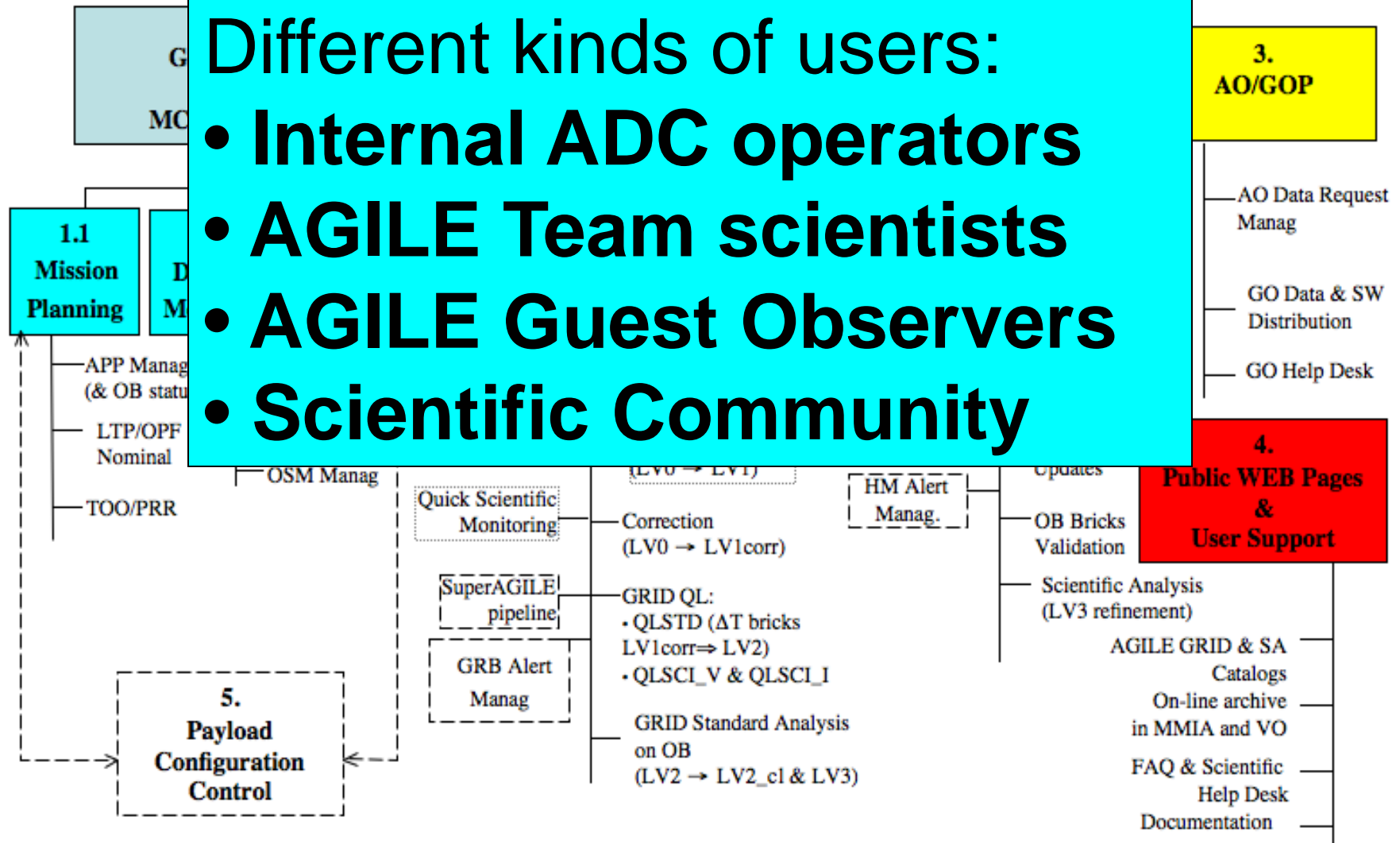
AGILE

Science Data Center

ADC operation scheme:

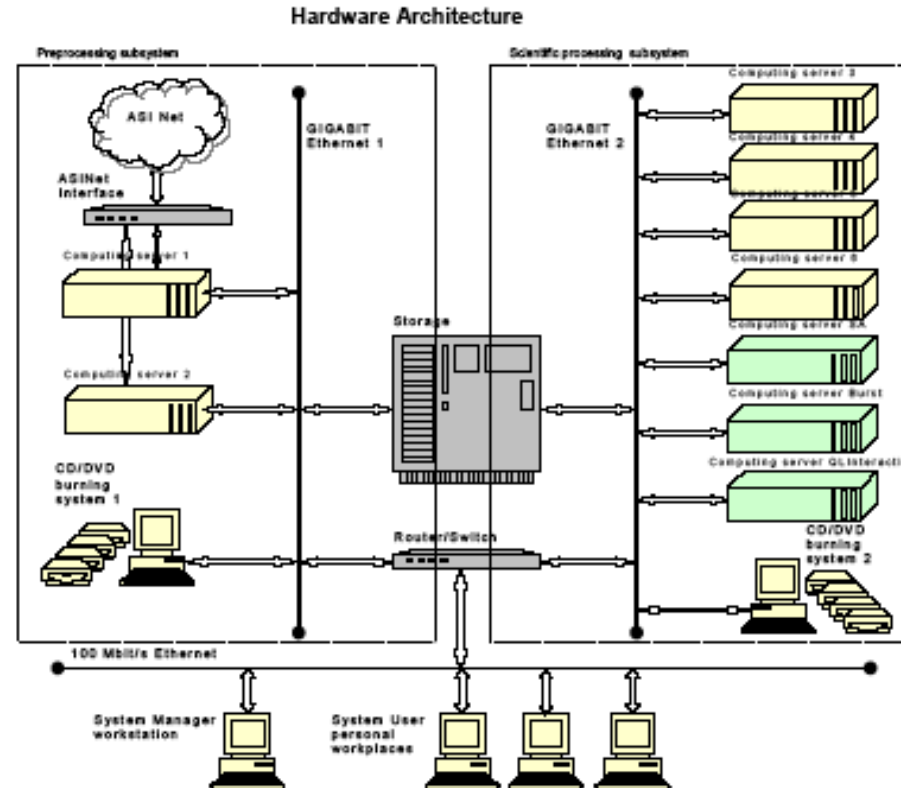
Different kinds of users:

- Internal ADC operators
- AGILE Team scientists
- AGILE Guest Observers
- Scientific Community



ADC HW Architecture (2009)

Responsabile HW ASDC: M. Ricci, Sistemista ASDC: P. D'Angeli



+ several **virtual machines** on ESXI 4.0 2U server (fast data reproc.)

Nome	Funzione	O.S.	Modello
agile1	Analisi utente o interattiva, sviluppo sw, taska agile team	Suse Linux 9.2	HP DL380 G4
agile3	Acquisizione dati, Archiviazione e Distribuzione, Pre-processamento	Suse Linux 9.2	HP DL380 G4
agile4	Acquisizione dati, Archiviazione e Distribuzione, Pre-processamento	Suse Linux 9.2	HP DL380 G4
agile5	Interfaccia web per pipeline2, Pipeline2 (tutte le elaborazioni dati), IF con i cataloghi browse	Suse Linux 9.2	HP DL380 G4
agile9	Server MySQL con DB di progetto, AgileServices (IF web, Correzione, Quicklook)	Suse Linux 9.2	HP DL380 G4
agile10	Pipeline2 (tutte le elaborazioni dati), backup per agile5 e agile9	Suse Linux 9.2	HP DL380 G4
agilehp4	Payload configuration control (INAF)	Suse Linux 9.2	HP DL380 G4
agilehp5	Analisi utente o interattiva, sviluppo sw	Suse Linux 9.2	HP DL380 G4
agilehp6	Super Agile (INAF)	Suse Linux 9.2	HP DL380 G4
storage2	Archivio Agile	Centos 64 bit	HP DL380 G4
web	IF web per Proposal Management	Red Hat Enterprise 4	HP DL360 G5
agilevm9, agilevm9b, agiletest	Pipeline2 (tutte le elaborazioni dati)	Suse Linux 9.2	Computer Virtuale
agilehp4	Computer INAF, usato per		
agilehp5	Computer INAF installato e usato in ASDC dal Team Agile ASDC principalmente per test e elaborazioni scientifiche interattive		
agilehp6	Computer INAF, ora rimosso.	N.A.	N.A.

Tabella 3-1: Piattaforma HW AGILE

The following is a symbol list for the figure:



→ Server-class computer provided by ASDC



→ Server-class computer provided by INAF

- 6 Computing Server by ASDC
- 1 WEB server + Storage by ASDC
- 3 Computing Server by INAF

AGILE Data Center at ASDC (up to June, 2012):

Carlotta Pittori coordinator, Patrizia Santolamazza, Francesco Verrecchia, Fabrizio Lucarelli (INAF), G. Fanari and S. Stellato (TPZ)



Paolo Giommi
ASDC Director



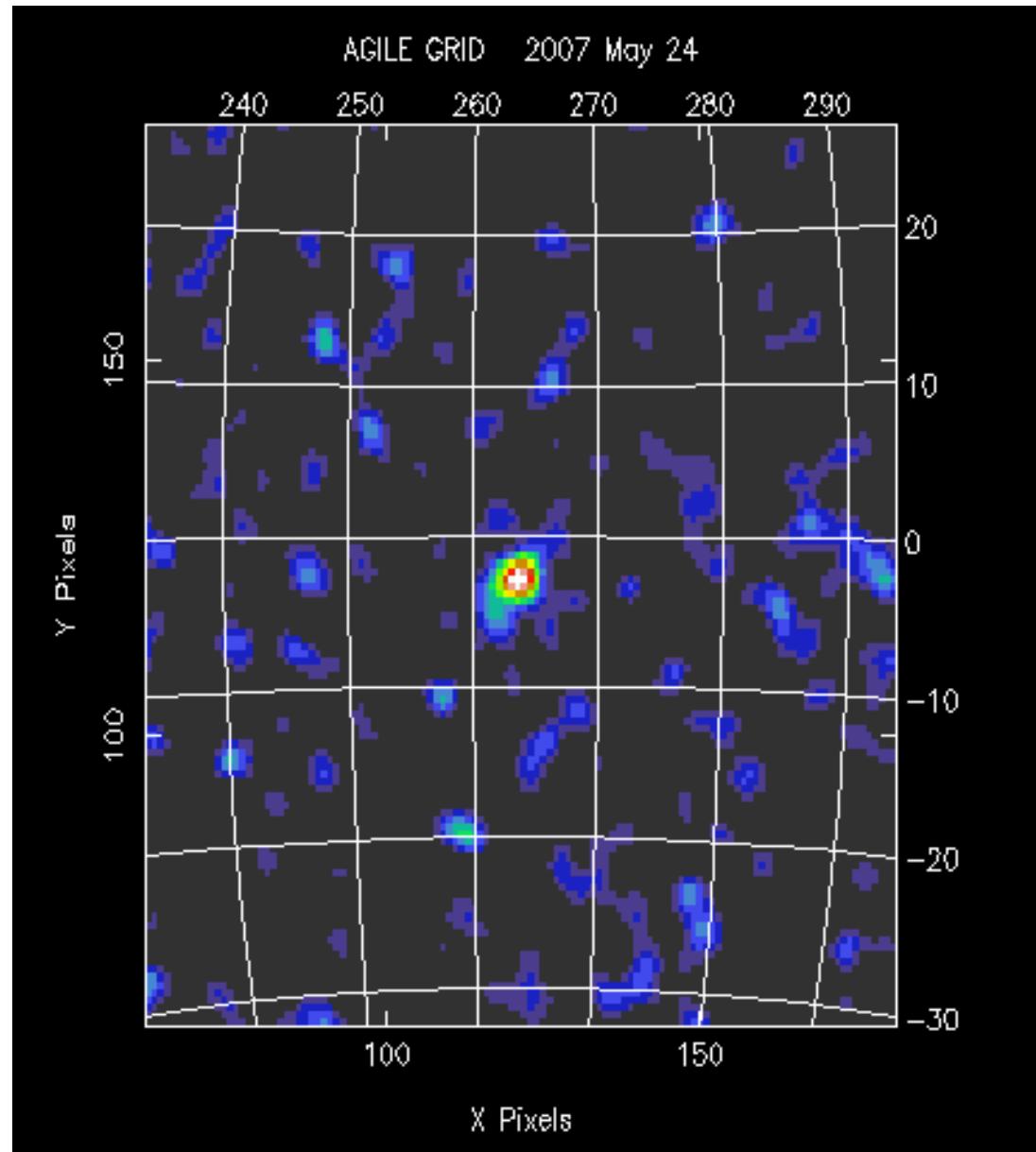
F. Tamburelli

(AGILE in calibrazione @ LNF)

First AGILE GRID light
ADC 24/5/2007

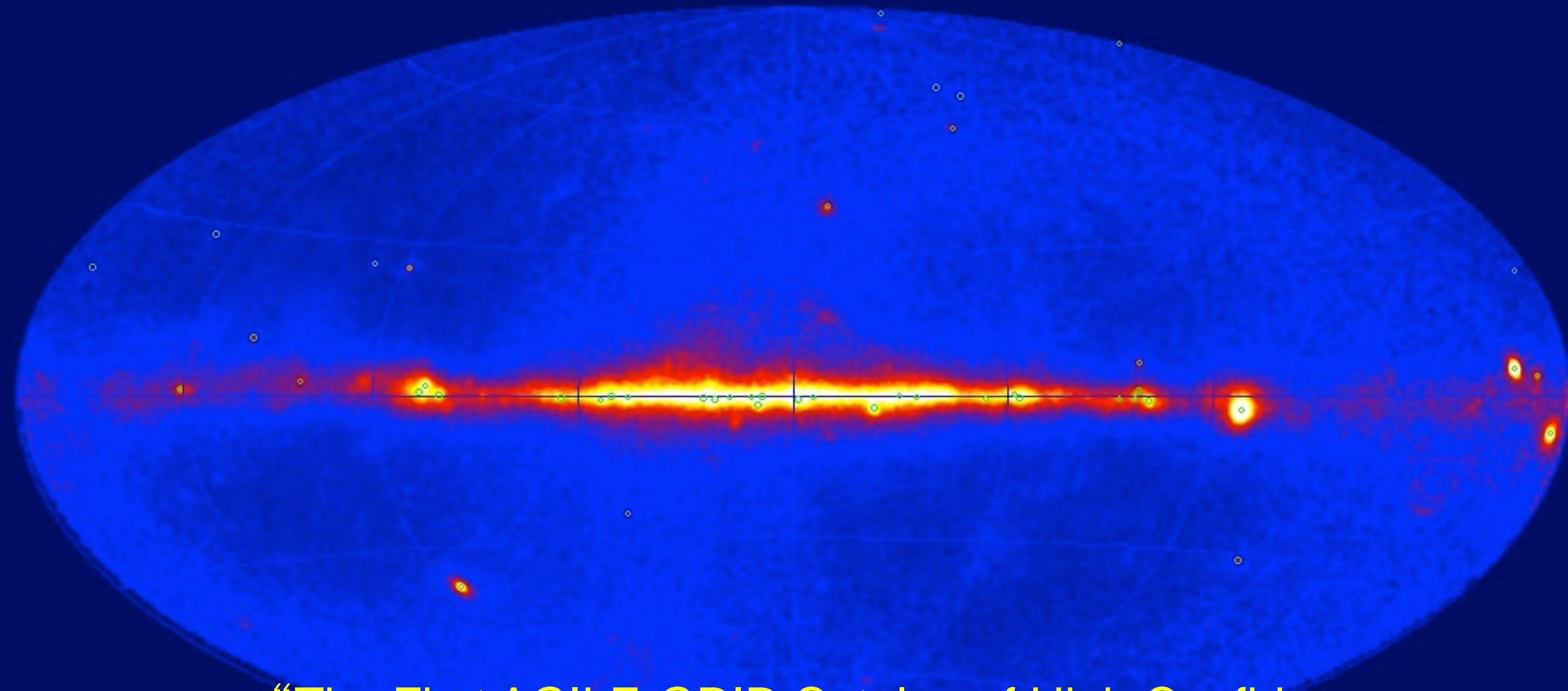
Commissioning Phase:
AGILE Vela PSR Count Map

(~ 20000 s)



AGILE Total Intensity Map ($E > 100$ MeV):

Pointing + Spinning (up to July 30, 2011)



“The First AGILE-GRID Catalog of High Confidence Gamma-Ray Sources” C. Pittori et al., A&A 506, 2009
(green circles, first year of operations)

The First AGILE-GRID Catalog of High Confidence Gamma-Ray Sources

C. Pittori, F. Verrecchia, A. Chen, A. Bulgarelli, A. Pellizzoni, A. Giuliani, S. Vercellone, F. Longo, M. Tavani, P. Giommi et al.
A&A 506, 1563-1574 (2009)

Revised version - July 30, 2009.

using AGILE-GRID data from July 9, 2007, end of the Satellite Commissioning phase, to June 30, 2008. Users can also download the First AGILE Catalog in FITS format here.

High-confidence sources, compared to the 40 sources of the first version. Previous preliminary versions were published on this webpage to allow AGILE A02 guest observers to benefit of the Catalog in the preparation of their proposals.

AGILE Catalog data are used in publications, please acknowledge the AGILE Collaboration efforts by the following sentence:
"edge the use of The First AGILE Catalog of High Confidence Gamma-ray Sources, C. Pittori et al. 2009, A&A 506, 1563-1574 (2009),
and on-line version available from the ADC web pages at ASDC."



asdc
ASI Science Data Center

VO Tools

VO mode: off
(turn on) Help

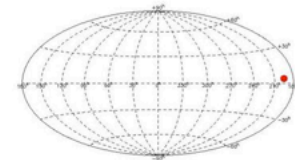
Cone Search
Source Name
Resolve name
RA, Dec L.B. Clean

ASDC interactive catalogs webpages



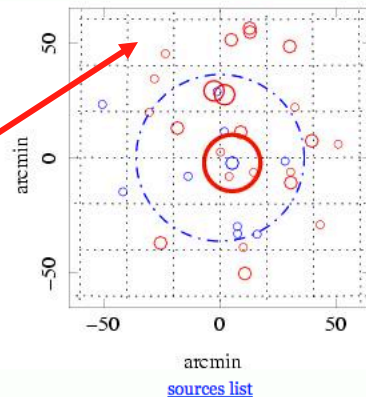
Entry 1AGL J0634+1748 --- GEMINGA

R.A.(J2000) = 06 34 15.9 (98.5662 deg) l=195.14
Dec (J2000) = +17 48 27.8 (17.8077 deg) b=4.36
Galactic nH = 3.50E+21 (cm⁻²)



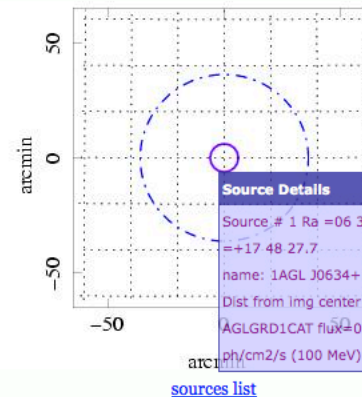
Error circle **EXPLORER**

Source Details



TUTORIAL HELP

Default catalogs (always selected)
Selectable catalogs:
Default selection [i]
Radio [select]
Infrared [select]
Optical [select]
X-Ray [select]
Gamma [select] ☒
Source Catalogs [select]
[Selected catalog List >>]
size (arcmin) 60
Create new image



Source Details

Source # 1 Ra = 06 34 16.0 Dec
= +17 48 27.7
name: 1AGL J0634+1748
Dist from img center = 1.2 arcsecs
AGLGRD1CAT flux = 0.0000032
ph/cm2/s (100 MeV)

Position selected for the analysis: R.A.=06 34 15.9 (98.5662 deg) l=195.14
Dec=+17 48 27.8 (17.8077 deg) b=4.36
Galactic nH= 3.50E+21 (cm⁻²)

Reset Position

SED Builder

o-rivelat... AITOFF GTB Agile QL Catalog

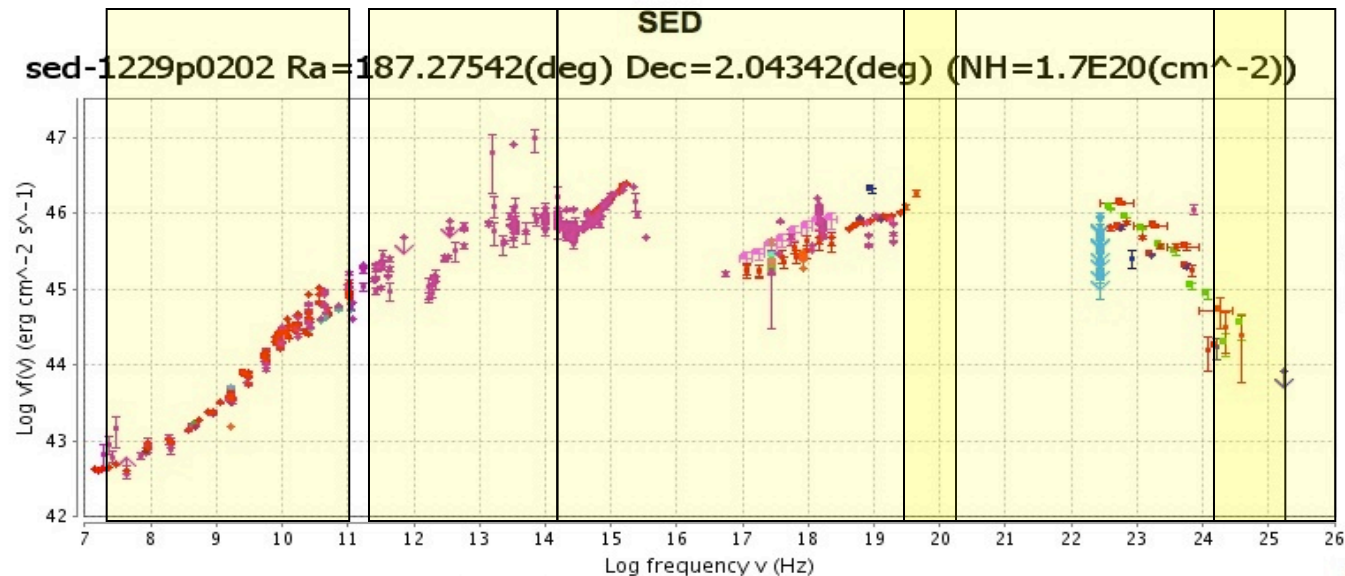
Pulsar	CTA1	---
RB	LSI+61303	---
ar	Crab	---
BLlac	PKS0537-441	BZBJ0538-4405
R	IC443	---
ar	GEMINGA	---
ar	---	BZUJ0654+4514
ar	---	BZUJ0719+3307
BLlac	S50716+714	BZBJ0721+7120
ar	VelaPSR	---
ified	---	---
B	---	---

The ASDC SED Builder

New SED(t) v2.2: VO tools and TIME domain

Radiotelescopes and PlanckSwift

AGILE and Fermi/CTA



• KUEHR • PKSCAT90 • DIXON • GB6 • NVSS • FIRST • VLSS • CRATES • PMN • NORTH20CM (flux 20 cm)
 • NORTH20CM (flux 6 cm) • NORTH20CM (flux 80 cm) • Ned • WMAP3 (Freq. 23e9) • WMAP3 (Freq. 33e9)
 • WMAP3 (Freq. 41e9) • WMAP3 (Freq. 61e9) • WMAP3 (Freq. 94e9) • WMAP5 (Freq. 23e9) • WMAP5 (Freq. 33e9)
 • WMAP5 (Freq. 41e9) • WMAP5 (Freq. 61e9) • WMAP5 (Freq. 94e9) • IPCSLEW • IPC • RASS • WGACAT2 • WFCCAT
 • XRTSRC • EGRET3 • BAT39MCAT (15-30keV) • BAT39MCAT (14-150keV) • Fermi1FGL (200 MeV) • Fermi1FGL (600 MeV)
 • Fermi1FGL (2Gev) • Fermi1FGL (6Gev) • Fermi1FGL (60Gev) • IBISG4CAT (20-40 keV) • IBISG4CAT (40-100 keV)
 • 3C273_simultaneous • 3C273_BATAjello • 3C273_AGILE • 3C273_simul2 • 3C273_GASP • 3C273_SAGILE • GTLIKE_P6v3
 • RATAN • OVRO_MAX_MIN • 3C273_Claudia_Unfolding_18M • swift_obs00035017300 • Fermi_1yr

Redshift:
 Frequencies:

Y Axis:

Local Catalogs

<input type="checkbox"/>	Type
<input checked="" type="checkbox"/>	Radio
<input checked="" type="checkbox"/>	X Ray
<input checked="" type="checkbox"/>	Gamma
<input checked="" type="checkbox"/>	Infrared

External Catalogs

<input checked="" type="checkbox"/>	Name	Search	Options
<input type="checkbox"/>	2Mass	<input type="text"/>	U
<input type="checkbox"/>	USNO B1	<input type="text"/>	U
<input type="checkbox"/>	SDSS7	<input type="text"/>	U
<input checked="" type="checkbox"/>	Ned	3c273	V S U
<input type="checkbox"/>	USNO A2.0	<input type="text"/>	U

User Catalogs

<input checked="" type="checkbox"/>	Name	Options
-------------------------------------	------	---------

See Paolo Giommi talk, Thursday morning

Virtual Observatory Standards (*in progress*) and Tool for OPerations on Catalogues And Tables (Topcat)

The image displays the Topcat software interface, which is used for operations on catalogues and tables. The interface is divided into several panels:

- Table List:** Shows a list of tables, with '1: aglgrd1cat' selected.
- Current Table Properties:** Displays details for the selected table, including Location (WebSampConnector:aglgrd1cat), Name (aglgrd1cat), Rows (47), Columns (11), Sort Order (indicated by a yellow arrow), Row Subset (All), and Activation Action (no action).
- Spherical Plot:** A window showing a 3D spherical plot of data points, with a toolbar for various plot operations.
- Main Panel:** Contains a table view with columns for Longitude Axis (ra) and Latitude Axis (dec). It also includes a 'Row Subsets' section with a checkbox for 'All' and a 'Main' button.
- Status Panel:** Located on the right, it shows the status of various tools and services, including 'VO mode: on', 'Aladin: stopped', and 'Topcat: started'. It also includes a 'Cone Search' section with input fields for Source Name, Resolve name, and radius.

The interface also features a toolbar at the top with various icons for file operations, data manipulation, and visualization. A sidebar on the left contains buttons for 'Help', 'Show/hide columns', 'Advanced filtering', 'Print current view of table', 'Print complete table', and 'Reset all filters'.

The AGILE MCAL Gamma-ray Burst Catalog

NEW: MCAL GRB (M. Galli et al., 2020) ADC interactive

The Mini-Calorimeter (MCAL) of the AGILE

Entry number	GRB Name
58	GRB Explorer 090328
59	GRB Explorer 090328B

Selection mode:



GRB observed from An
Ent
R.A. (J2000) = 22 14 12
Dec (J2000) = -26 36 0
Galactic nH = 1.66E+21

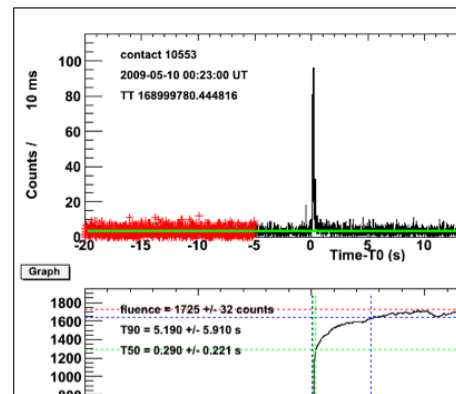
AGILE MCAL Data Products GRB EXPLORER Source Details

Standard Products

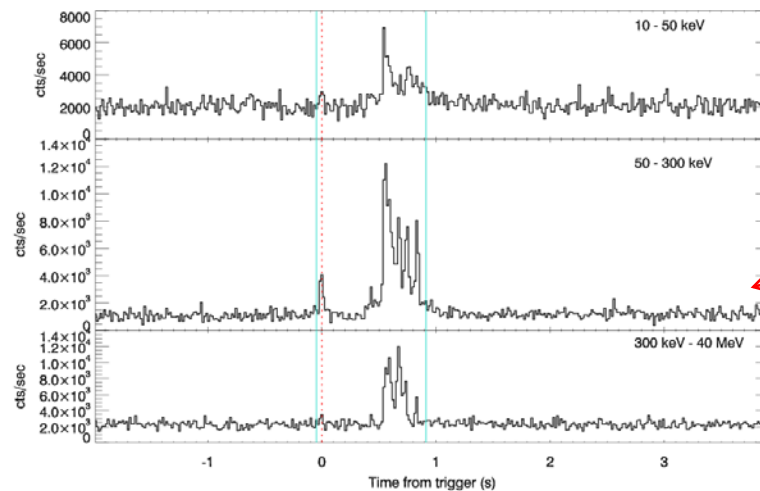
Light Curve 10ms binning

Light Curve broader binning (20-200 msec)

Energy Spectrum



090510016



Swift-XRT light curves of GRB 090510

Last updated after receiving ObsID 00351588001, version 19

Related pages: [Burst Analyser](#) | [Enhanced position](#) | [Spectrum](#) | [GRB Region information](#) | [XRT Catalogue entry](#) | [Download obs data](#) | [GCN Notices](#) | [GCN Circulars](#)

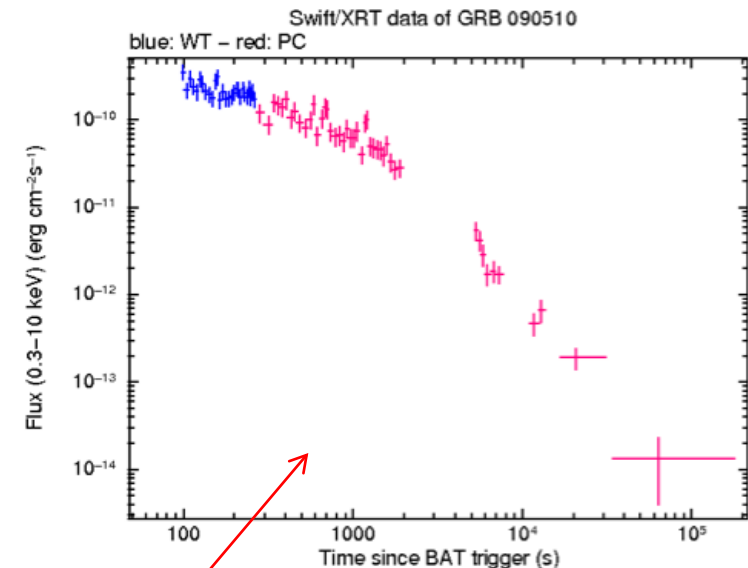
[Rebin this light curve](#) | [About these products.](#)

Flux Light Curve

For this burst, 1 count = 4.0×10^{-11} erg cm⁻² (observed flux) ([Automatic spectrum](#)).

Note that this is an average conversion factor: the true value may evolve with time.

[Rescale fluxed light curve.](#)



Products

Swift-XRT light curve repository at Leicester

Swift-BAT

Quicklook GBM lightcurve

GCN

Blog for Gamma Ray Bursts

Articles

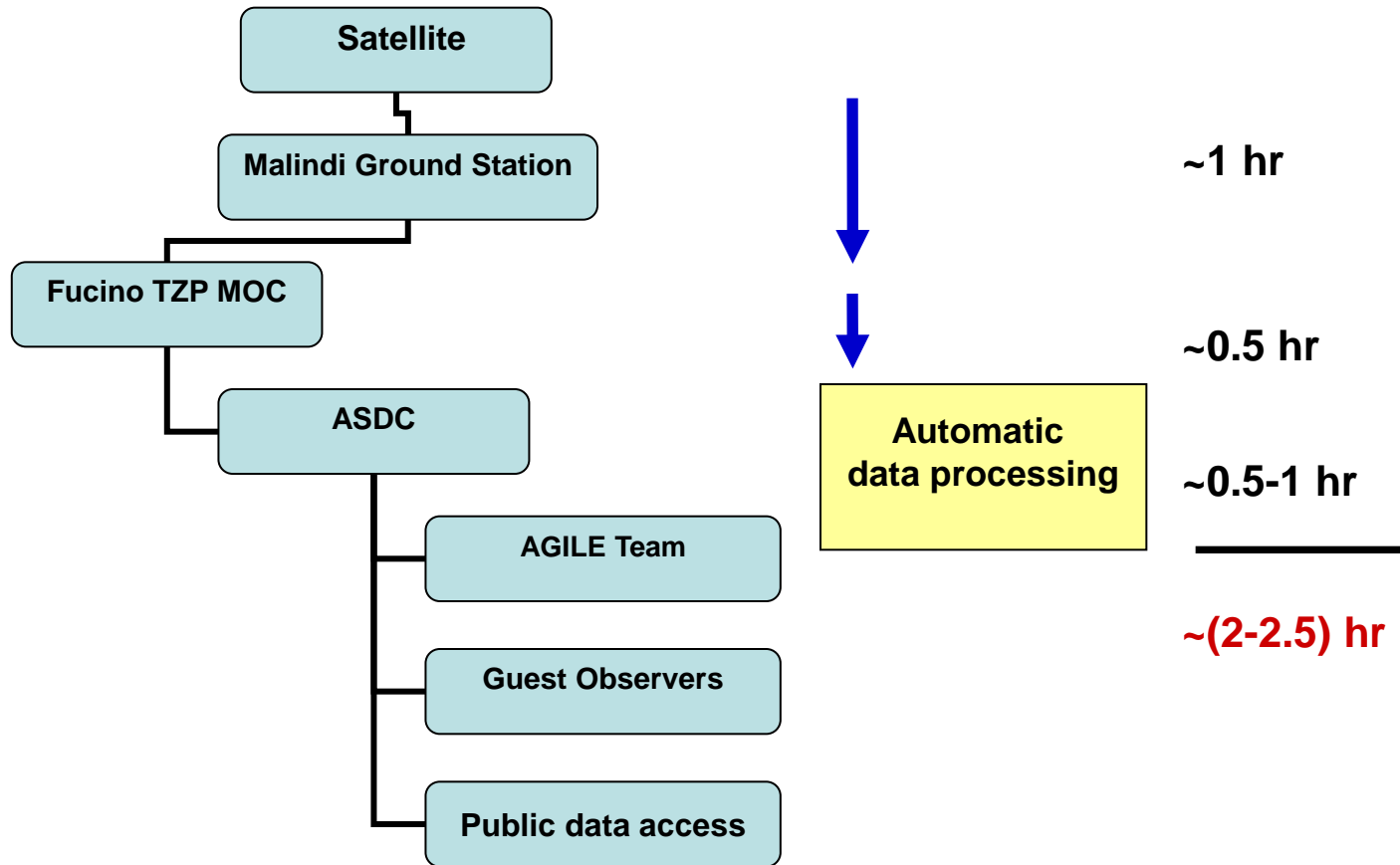
SAO/NASA Astrophysics Data System

GRID

SA

SA

AGILE: “very fast” Ground Segment (with contained costs)



Record for a gamma-ray mission!

AGILE Science Alert System

- The system is distributed among the ADC @ ASDC and the AGILE Team Institutes (Trifoglio, Bulgarelli, Gianotti et al.)
- Automatic Alerts to the AGILE Team are generated within $T_0 + 45 \text{ min (SA)}$ and $T_0 + 100 \text{ min (GRID)}$
- GRID Alerts are sent via email (and sms) both on a contact-by-contact basis and on a daily timescale
- Refined manual analysis on most interesting alerts performed every day (daily monitoring)
- **105 ATel** (48 in pointing + 57 in spinning) and **42 GCN** published up to Sept, 2013



AGILE

Science Data Center

Welcome to the AGILE Data Center Home Page at ASDC

These pages provide updated information and services in support to the general scientific community for the mission AGILE, which is a small Scientific Mission of the Italian Space Agency (ASI) with participation of INFN, IASF/INAF and CIFS.

AGILE is devoted to gamma-ray astrophysics and it is a first and unique combination of a gamma-ray (AGILE-GRID) and a hard X-ray (SuperAGILE) instrument, for the simultaneous detection and imaging of photons in the 30 MeV - 50 GeV and in the 18 - 80 keV energy ranges.

The AGILE Mission Board (AMB) has executive power overseeing all the scientific matters of the AGILE Mission and is composed of:

- AGILE Principal Investigator: Marco Tavani, INAF/IASF Rome (Chair)
- ASI Project Scientist: Paolo Giommi, ASDC
- ASI Mission Director: Giovanni Valentini, ASI
- Former ASI Mission Director: Luca Salotti, ASI (up to September 20, 2010)
- AGILE Co-Principal Investigator: Guido Barbiellini, INFN Trieste
- 1 ASI representative: Elisabetta Tommasi di Vignano
- Former ASI representative: Sergio Colafrancesco (up to June, 2010)

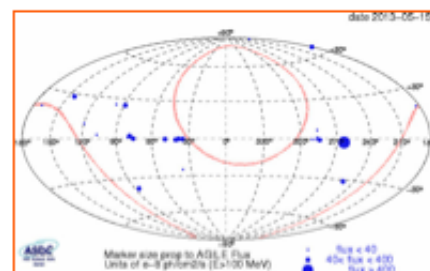
As specified in the [Announcement of Opportunity Cycle-4](#), it is not possible to propose for ToO observations in response to AGILE Announcement of Opportunity.

Latest Agile Top Results



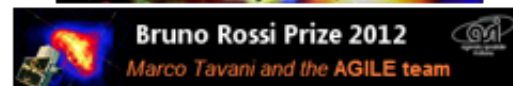
AGILE current spinning sky view

(Click here for previous pointing details)



Click here to access to AGILE Spinning FOV plotter

AGILE Events



Latest AGILE News

- (Apr 30, 2013) GRB 130427A: high energy gamma-ray detection by AGILE and Fermi
- (Apr 11, 2013) AGILE-MCAL Gamma-ray Burst Catalog on-line at ASDC
- (Mar 28, 2013) GRB 130327B: gamma-ray detection by AGILE
- (Mar 12, 2013) Sustained gamma-ray emission from the Crab Nebula and hard X-ray and Optical follow up reported

ADC Quick-Look Interface

(from AGILE Services restricted area)

Legenda

Processamenti QL Scientific

[Back to last menu](#) [Logout](#) [Jump to page bottom](#)

Quick Access to QL Data Results

R.A. or Gal. Longitude:

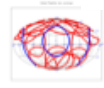
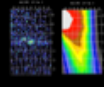
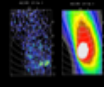
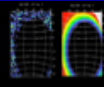
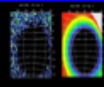
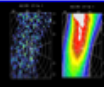
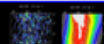
Dec or Gal. Latitude:

Equinox: ☐ J2000 ☐ B1950

Coordinates: ☐ Celestial (RA-Dec) ☐ Galactic (ll-bll)

Declination and Galactic coordinates can be entered either as degrees and decimal fraction (format ddd.ddd), or as degrees, minutes, seconds (dd mm ss.ss format).
Right ascension can be entered either as degrees and fraction (ddd.ddd), or as hours, minutes, seconds (hh mm ss.ss format).

Record List for AgileQLCat

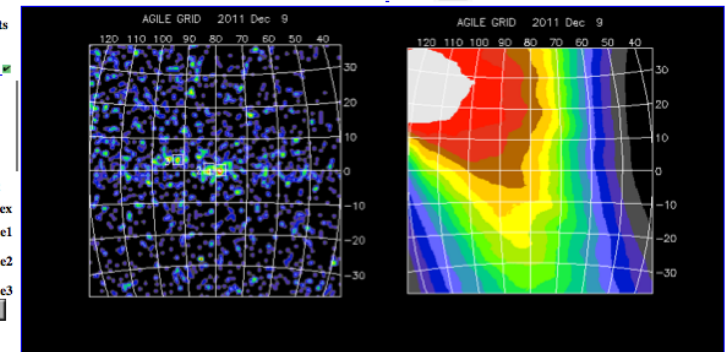
Config ID	Config Name	Duration	Run Status	Start	Stop	QL Image	Entry number	AGILE name	RA (J2000.0) hh mm ss.d	Dec (J2000.0) dd mm ss.d	Gal	Iso	Cnts	Sqrt(TS)	Flux
337	Global_Ximage AM	2	Actual	2011-12-09 01:00:00	2011-12-11 01:00:00		1	AGILE J2030+3929	20 30 02.4	+39 29 16.8	0.484	9.53	19.5	2.65	244
328	B19 QLV Spinning (80,0) Cygnus FM	2	Actual	2011-12-09 02:31:00	2011-12-11 02:31:00		2	AGILE J2039+4242	20 39 15.1	+42 42 25.2	0.975	0.744	4.08	0.59	50
304	B19 QL_V Spinning FM 2dd R29 - bis_1	2	Actual	2011-12-09 02:40:00	2011-12-11 02:40:00		3	AGILE J2104+5207	21 04 39.4	+52 07 44.4	0.572	7.09	8.43	1.61	97
310	B19 QL Variabilita' Spinning FT3ab TEST (190,0)	2	Actual	2011-12-09 02:46:00	2011-12-11 02:46:00										
311	B19 QL Variabilita' Spinning FM TEST (190,0)	2	Actual	2011-12-09 02:46:00	2011-12-11 02:46:00										
307	B19 QL Variabilita' Spinning FT3ab TEST (290,-85)	2	Actual	2011-12-09 02:48:00	2011-12-11 02:48:00										
308	B19 QL Variabilita' Spinning FM TEST (290,-85)	2	Actual	2011-12-09 02:48:00	2011-12-11 02:48:00										

AGILE Quick Look catalog (Test) at ASDC

Variability 11-12-09 02:31 11-12-11 02:31 FM

Available parameters

☒ Name
☒ RA ☒ Dec
☒ Gal ☒ Iso
☒ Cnts ☒ Sqrt(TS)
☒ XimageId ☒ Flux ☒ Err
☒ Distance from FOVCent.
☒ SNR
☒ Sp_Index
☒ Err_sp_index
☒ Other_name1
☒ Other_name2
☒ Other_name3



Entry number	AGILE name	RA (J2000.0) hh mm ss.d	Dec (J2000.0) dd mm ss.d	Gal	Iso	Cnts	Sqrt(TS)	Flux
1	AGILE J2030+3929	20 30 02.4	+39 29 16.8	0.484	9.53	19.5	2.65	244
2	AGILE J2039+4242	20 39 15.1	+42 42 25.2	0.975	0.744	4.08	0.59	50
3	AGILE J2104+5207	21 04 39.4	+52 07 44.4	0.572	7.09	8.43	1.61	97

ASDC Data Explorer

Quick Look AGILE data

The ASDC Multi-frequency Data Explorer: Web and VO data access and tools

http://www.asdc.asi.it/showEntry.php#

ASDC ASI Science Data Center

Entry ---

R.A.(J2000) = 06 34 44.2 (98.6842 deg) l=194.77
Dec (J2000) = +18 16 07.5 (18.2688 deg) b=4.67
Galactic nH = 3.32E+21 (cm⁻²) [Source Names](#)

Available parameters

- ☒ Name
- ☒ Ra ☒ Dec
- ☒ Gal ☒ Iso
- ☒ Cnts ☒ Cnts
- ☒ Err
- ☒ Sqrt(TS)
- ☒ XimageId
- ☒ Flux ☒ Flux
- ☒ Err
- ☒ Distance from FOVCent.
- ☒ Ximage SNR
- ☒ Sp_Index
- ☒ Err_sp_index
- ☒ Other_name1
- ☒ Other_name2
- ☒ Other_name3

[GO](#)

AGILE GRID 2012 Mar 30

AGILE GRID 2012 Mar 30

Access to agile data products Error circle EXPLORER Source Details

Access to agile grid data products Error circle EXPLORER Source Details

Catalog: aglqlvcat Radius: 90 Start Time: End Time: ☐ DATE ☐ MJD
(Select DATE to input time range in DD-MM-AAAA format or MJD to input time range in mjd format)

Duration (days): 2 Filter: FM Sqrt(TS) > 4 Additional Y plot: sqrtts [SUBMIT](#)

['AGL J0634+1816' LC Data Table](#)
['AGL J0634+1816' LC Data qdp](#)

AGL J0634+1816

FLUX 10⁻¹² ph cm⁻² s⁻¹

TIME (MJD)

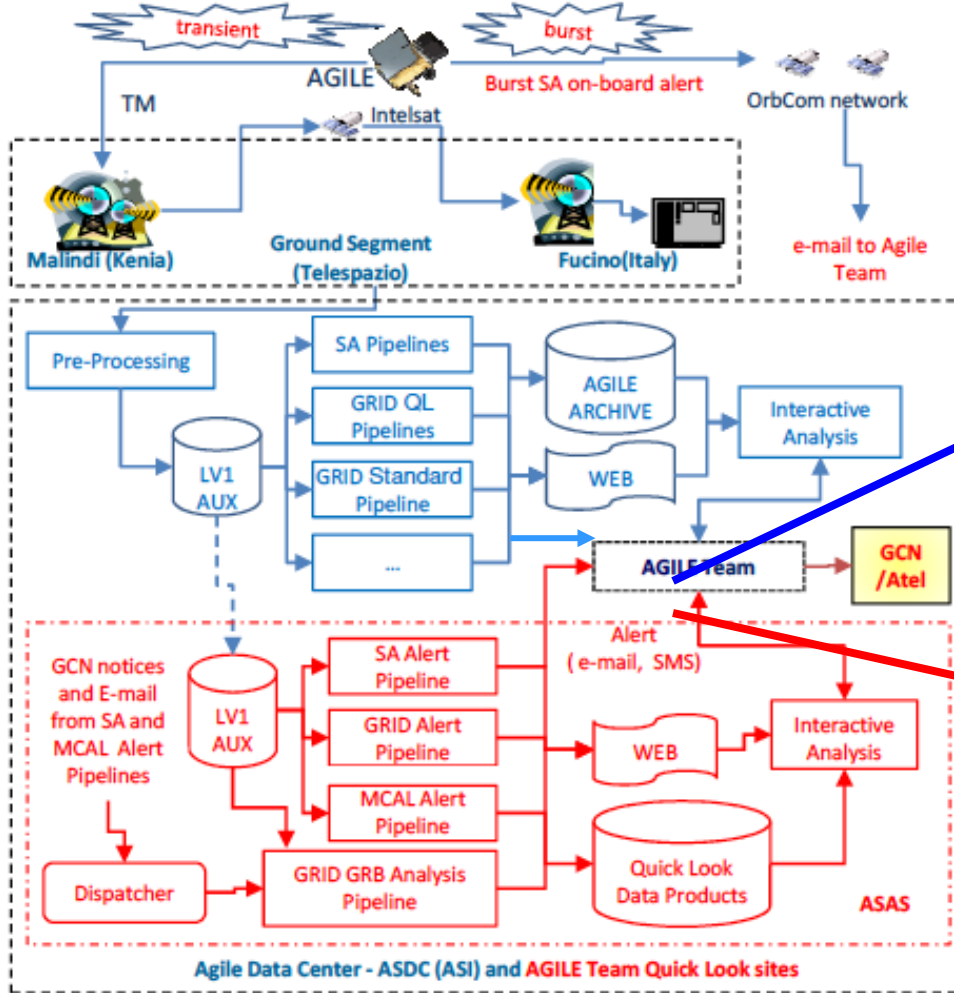
Position for the

Entry number	AGILE name	RA (J2000.0)	Dec (J2000.0)
1	AGL J0634+1816	194.78	4.67
2	AGL J1049+8055	128.53	34.83
3	AGL J0832-1236	236.49	15.76

ASDC ASI Science Data Center

1-Apr-2012 20:35

Selected **alerts** sent via email, sms



label:agile-daily-report

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The label "AGILE Daily Report" has been removed from the conversation. [Learn more](#) [Undo](#)

	Remove label	Spam	Delete	Move to	Labels	More		1-50 of 1931
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report 11/12/2011 (ok) - AGILE Daily Report 11/12/2011 (MJD-55906) ### FM Filter ...	10:12 am
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 11/12/2011 (ok) - AGILE Daily Report Global Proc. 11/12/2011 (MJD-559	9:49 am
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 10/12/2011 noon (ok) - AGILE Daily Report Multi2 Results 10/12/2011 (MJD-	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 10/12/2011 noon (ok) - AGILE Daily Report Global Proc. 10/12/2011 noon	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 10/12/2011 (ok) - AGILE Daily Report Multi2 Results 10/12/2011 (MJD-	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 10/12/2011 (ok) - AGILE Daily Report Global Proc. 10/12/2011 (MJD-55905) ### FM Filter ...	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 10/12/2011 (ok) - AGILE Daily Report Global Proc. 10/12/2011 (MJD-555	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 09/12/2011 noon (ok) - AGILE Daily Report Global Proc. 09/12/2011 noon	Dec 9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 09/12/2011 (ok) - AGILE Daily Report Multi2 Results 09/12/2011 (MJD-	Dec 9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report 09/12/2011 (ok) - AGILE Daily Report 09/12/2011 (MJD-55904) ### FM Filter ...	Dec 9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 09/12/2011 (ok) - AGILE Daily Report Global Proc. 09/12/2011 (MJD-555	Dec 9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 08/12/2011 noon (ok) - AGILE Daily Report Multi2 Results 08/12/2011 (MJD-	Dec 8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 08/12/2011 (ok) - AGILE Daily Report Multi2 Results 08/12/2011 (MJD-	Dec 8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 08/12/2011 (ok) - AGILE Daily Report Global Proc. 08/12/2011 (MJD-55503) ### FM Filter ...	Dec 8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 08/12/2011 (ok) - AGILE Daily Report Global Proc. 08/12/2011 (MJD-555	Dec 8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 07/12/2011 noon (ok) - AGILE Daily Report Global Proc. 07/12/2011 noon	Dec 7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 07/12/2011 (ok) - AGILE Daily Report Multi2 Results 07/12/2011 (MJD-	Dec 7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 07/12/2011 (ok) - AGILE Daily Report Multi2 Results 07/12/2011 (MJD-	Dec 7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Global Proc. 07/12/2011 (ok) - AGILE Daily Report Global Proc. 07/12/2011 (MJD-55502) ### FM Filter ...	Dec 7
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[gridalert] AGILE Daily Report Multi2 Results 06/12/2011 (ok) - AGILE Daily Report Multi2 Results 06/12/2011 (MJD-	Dec 6

Daily reports on a 48h time scale
(sent twice a day)

Contact-by-contact alerts on a 48h time
scale (sent every ~100 min)

label:grid-alert

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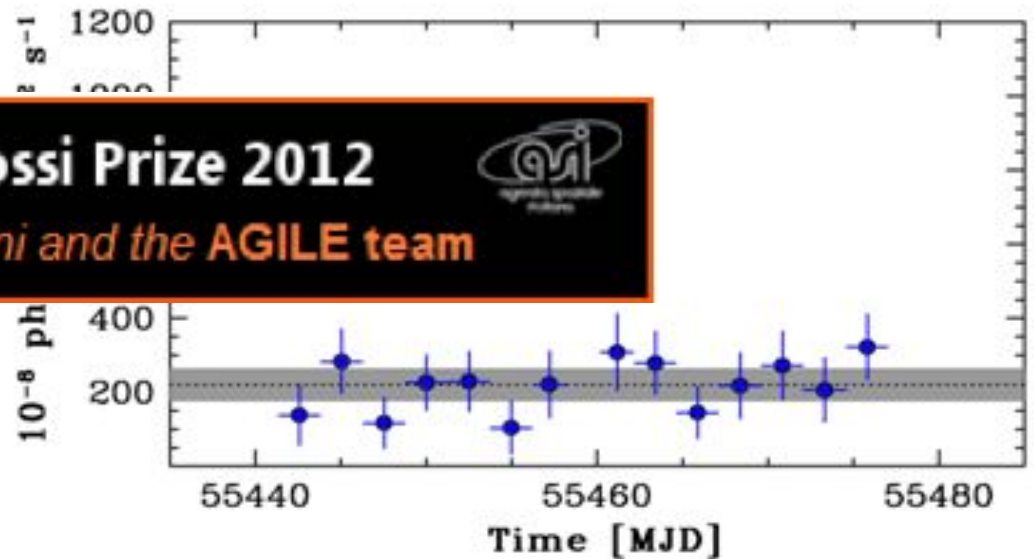
Gmail's getting a new look soon. [Learn more](#) [Dismiss](#)

	Remove label	Spam	Delete	Move to	Labels	More		1-50 of 47035
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.08 185.7+79.5 (297.5, 19.9, 165) - 12 - FM3.119_2_SPOTS_100... - 4.08 297.517 19.9021 off axis	2:28 am
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.09 493.7+202.9 (151.7, -48.9, 60) - 34 - FM3.119_2_SPOTS_10... - 4.09 151.732 -48.9168 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.53 193.9+75.0 (71.2, 26.3, 178) - B2QJ1801+4404 - FM3.119_2... - 4.53 71.1847 26.2573 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.08 177.3+76.0 (223.7, -47.4, 150) - B2BZJ0235-2938 - FM3.119_2... - 4.08 223.689 -47.3961 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.02 325.4+128.4 (124.7, -5.2, 124) - 29 - FM3.119_2_SPOTS_10... - 4.02 124.685 -5.21243 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.59 652.9+229.0 (137.8, -33.8, 63) - J0144.5+2709 - FM3.119_2... - 4.59 137.945 -33.8679 off axis 3	Dec 10
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.13 123.3+53.0 (79.8, 1.6, 230) - 1AOLJ2022+4032 - FM3.119_2... - 4.13 79.0172 1.57454 off axis	Dec 10
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.75 715.0+250.2 (137.8, -33.3, 61) - B2QJ0151+2744 - FM3.119_2... - 4.75 137.777 -33.3226 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.42 195.7+76.6 (71.4, 25.9, 490) - B2BZJ1811+4416 - FM3.119_2... - 4.42 71.1797 26.2511 off axis	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.17 200.1+83.5 (223.6, -47.4, 149) - B2BZJ0235-2938 - FM3.119_2... - 4.17 223.641 -47.4128 off axis	Dec 10
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.7 662.7+230.0 (137.8, -33.3, 67) - J0144.5+2709 - FM3.119_2... - 4.7 137.771 -33.3317 off axis 3	Dec 10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.38 558.6+211.5 (151.8, -48.8, 64) - 33 - FM3.119_2_SPOTS_10... - 4.38 151.753 -48.9366 off axis	Dec 10
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.0 175.5+72.7 (71.3, 26.0, 527) - B2BZJ1811+4416 - FM3.119_2... - 4.0 71.2924 25.9978 off axis 1	Dec 10
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utente GRID1 BUILD17 [gridalert] ALERT LEVEL 4.01 180.2+76.9 (223.6, -47.4, 163) - B2BZJ0235-2938 - FM3.119_2... - 4.01 223.649 -47.4149 off axis	Dec 10
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(Figure adapted from M. Trifoglio et al.)

The variable Crab Nebula!

FIRST PUBLIC ANNOUNCEMENT
Sept. 22, 2010: AGILE issues the
Astronomer's Telegram n. 2855





































Science Express (6 January 2011)













LTP xml files sent via Data Router to TPZ MOC









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Long Term Plan (LTP)

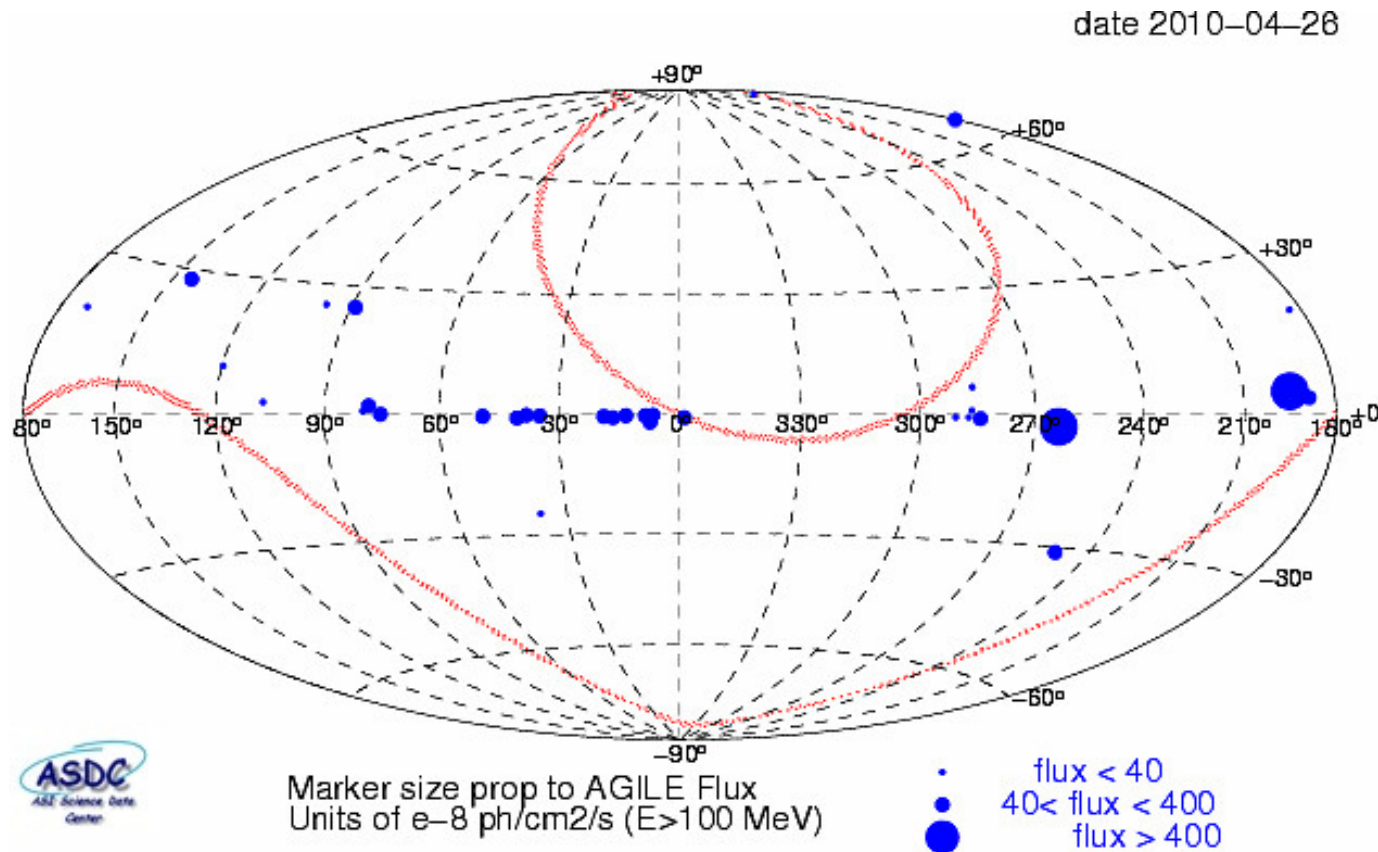
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		1	1	2007-05-24 12:00:00	2007-06-04 09:00:00	NORMAL	1.0	0000-00-00 00:00:00	LTP	agile_0001.LTP	0001
		2	2	2007-06-04 08:59:00	2007-06-11 09:00:00	NORMAL	1.0	0000-00-00 00:00:00	LTP	agile_0003.LTP	0003
		3	5	2007-06-04 08:59:00	2007-06-14 12:00:00	NORMAL	1.0	2007-06-11 15:56:06	LTP	agile_0006.LTP	0006
		3	5	2007-06-11 09:00:00	2007-06-28 09:00:00	NORMAL	1.0	2007-06-07 13:10:12	LTP	agile_0004.LTP	0004
		3	5	2007-06-11 09:00:00	2007-06-28 09:00:00	NORMAL	1.0	2007-06-08 11:03:35	LTP	agile_0005.LTP	0005
		1	2	2007-06-14 10:00:00	2007-06-20 12:00:00	NORMAL	1.0	2007-06-13 18:27:38	LTP	agile_0007.LTP	0007
		1	3	2007-06-20 10:00:00	2007-06-28 12:00:00	NORMAL	1.0	2007-06-18 19:01:38	LTP	agile_0008.LTP	0008
		2	4	2007-06-28 09:00:00	2007-07-05 12:00:00	NORMAL	1.0	2007-06-26 17:04:39	LTP	agile_0009.LTP	0009
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		3	3	2007-07-24 09:00:00	2007-08-01 12:00:00	NORMAL	1.0	2007-07-20 12:20:27	LTP	agile_0012.LTP	0012
		3	3	2007-07-27 09:00:00	2007-08-01 12:00:00	NORMAL	1.0	2007-07-25 11:09:16	LTP	agile_0013.LTP	0013

Scientific Observation (SO)

		APP SO ID/Name 	SO Name 	Num. Of Obs. Blocks 	Rqstd Start Date (UTC) 	Rqstd End Date (UTC) 	Total Time (s) 	Content Type 	Note 
		SO TOO 3C 454.3	SO TOO 3C 454.3	1	2007-07-24 12:00:00	2007-07-27 12:00:00	259200.000	NORMAL	TOO su 3C 454.3 in flaring, visto da Swift. Interruzione del primo puntamento del Piano Estivo. l=127.364,b=-26.007 3C454.3 si trova a 36.663 gradi di distanza!
		SO TOO 3C 454.3 prolungamento	SO TOO 3C 454.3 prolungamento	1	2007-07-27 12:00:00	2007-07-30 12:00:00	259200.000	NORMAL	Prolungamento del TOO su 3C 454.3 in flaring, visto da Swift. l=129.019,b=-23.569 3C454.3 si trova ora a 39.205 gradi di distanza!

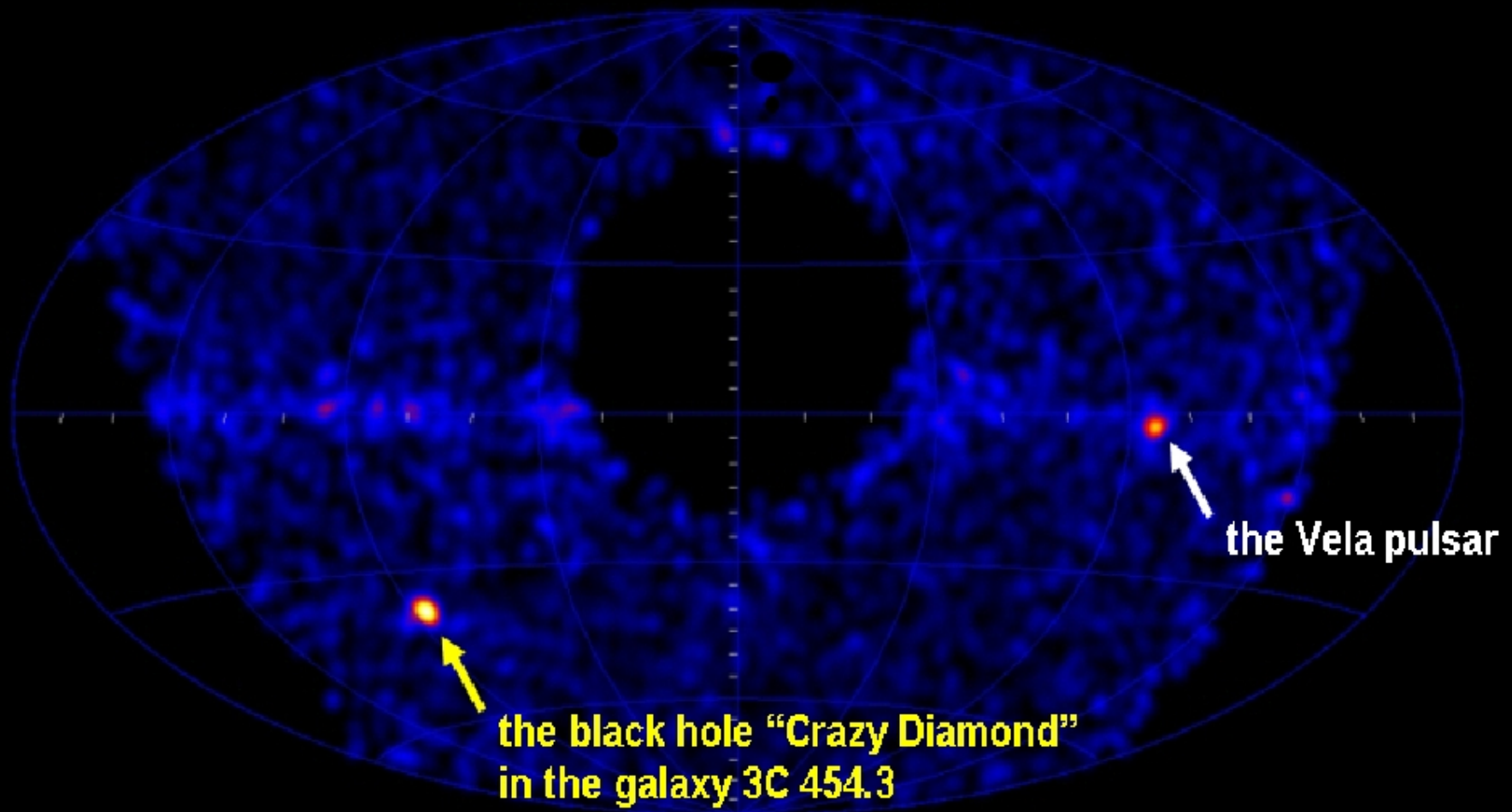
																																																																																																																																																																																																																																																																																					
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Due to a malfunction of the rotation wheel, since November 4, 2009, AGILE is operating in a **spinning observing mode** and it is now surveying a large fraction of the sky every day. **AGILE spinning sky view on a particular day:**



All ADC functionalities and data processing promptly adapted to the new spinning configuration at no extra costs! No interruptions of the GOP.

On December 3-4, 2009 the AGILE satellite detected the strongest γ -ray flare ever observed ($E > 100$ MeV). The flaring γ -ray source is in the active galaxy 3C454.3 ($z=0.859$, $F_{\gamma} > 2 \times 10^{-5}$ ph cm $^{-2}$ s $^{-1}$, $L_{\text{iso}} = 6 \times 10^{49}$ erg s $^{-1}$)



AGILE: 6th year in orbit

- AGILE demonstrates for the first time the covering of $\sim 1/5$ of the entire gamma-ray sky (FoV ~ 2.5 sr) with excellent angular resolution and competitive sensitivity.
- AGILE shows for the first time an optimal performance of its gamma-ray and hard X-ray imagers.
- **> 32678 orbits, Aug 28, 2013** (*warning: your mission may last longer than planned!*)
- **Pointing observation** mode up to October 18, 2009 and **spinning observation mode** since October 2009.
- **Very good scientific performance, especially at ~ 100 MeV**
- **Guest Observer Program open to the scientific community:**
 - Cycle-1: completed, Dec. 1, 2007 – Nov 30, 2008
 - Cycle-2: completed, Dec. 1, 2008 – Nov 30, 2009
 - Cycle-3: completed, Dec. 1, 2009 – Nov 30, 2010
 - Cycle-4: completed, Dec. 1, 2010 – Nov 30, 2011
 - Cycle-5 and Cycle-6: on-going data taking**

AO1: Dec 1, 2007 - Nov 30, 2008

Status AGILE AO1: **completed/public**

Submitted proposals: 29

Approved/P. Approved: 24

Requested Targets: 122

Approved Targets: **100**

Pulsars: 39

AGN: 31

3EG sources: 30

AO2: Dec 1, 2008 - Nov 30, 2009

Status AGILE AO2: **completed/public**

Submitted/Approved proposals: 15

14 PI, 74 co-PI

Requested/Approved Targets: **93**

Pulsars: 21

AGN: 62

3EG sources: 10

AO3: Dec 1, 2009 - Nov 30, 2010

Status AGILE AO3: **completed/public**

Submitted/Approved proposals: 11

11 Proposals,

10 PI, 78 co-PI

Requested/Approved Targets: **67**

Pulsars: 13

AGN: 37

3EG sources: 7

1FGL Sources: 10

AO4: Dec 1, 2010 - Nov 30, 2011

Status AGILE AO4: **completed/public**

Submitted/Approved proposals: 18

16 PI, 69 co-I

Requested/Approved Targets: **123**

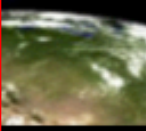
Pulsars: 43

AGN: 50

3EG sources: 5

1FGL Sources: 24

1AGL Sources: 1



Agile Services as pittori

Agile Data Request Edit as pittori

Legenda

[Back to last menu](#) [Logout](#) [Jump to page bottom](#)

Observation Proposal

	Proposal ID	AO	Title	Submit Date	P.I.	Abstract (max 800 char)	Multiwavelength Campaign	Triggered Observation(s)	Target Class	Approval Status	Link to Data
	24	AO1-2007	Blazar duty cycle from the microwave to gamma-ray slope	2007-10-31	3 - Carliotta Pittori	<p>As discussed in our scientific justification, the microwave to gamma-ray slope (α_{mugamma}) can be used as a viable figure of merit for blazar-like source identification in gamma-rays.</p> <p>Taking into account the constraints from the observed extragalactic gamma-ray background, one can estimate the maximum duty cycle allowed for a selected sample of low energy peaked (LEL) blazars, in order to be detectable for the nominal sensitivity values of the AGILE gamma-ray experiment during AGILE AO Cycle 1.</p> <p>We apply for the data rights of ten LBL blazars from the new WMAP 3 yr catalog sorted in decreasing order according to the proposed figure of merit, used as an indicator to identify good gamma-ray blazar candidates.</p>	NO	NO	Active Galactic Nuclei	APPROVED	Data File


Requested Target

	Name	RA (deg)	Declination (deg)	Status	Note	Multiwavelength Campaign
	WMAP3 J2148+0657	327.020	6.960			NO
	WMAP3 J0403-3604	60.970	-36.080			NO
	WMAP3 J2225-0456	336.450	-4.950			NO
	WMAP3 J2000-1749	300.240	-17.820			NO
	WMAP3 J2258-2757	344.520	-27.970			NO
	WMAP3 J1958-3845	299.500	-38.750			NO
	WMAP3 J0423-0120	65.810	-1.340			NO
	WMAP3 J1923-2106	290.880	-21.080			NO
	WMAP3 J1635+3807	248.810	38.130			NO
	WMAP3 J0854+2005	133.700	20.110			NO

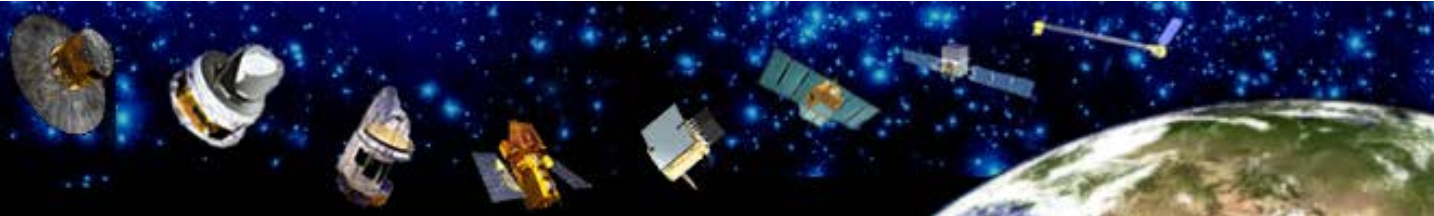
Co-Investigator

First Name	Middle	Last Name	Affiliation	Country
	Elisabetta	Cavazzuti	ASDC	Italy
	Francesco	Verrecchia	ASDC	Italy

Justification

Justification
 pittori_justification.pdf

	59	AO2-2008	Blazar duty cycle from the microwave to gamma-ray slope	2009-01-07	3 - Carliotta Pittori	<p>During AGILE AO Cycle 1 we were granted data rights for ten LBL blazars from the new WMAP 3 yr catalog, sorted in decreasing order according to the microwave to gamma-ray slope, proposed as a figure of merit to identify gamma-ray blazar candidates.</p> <p>With the AGILE Cycle 1 accumulated statistic we obtained the upper limits reported in table 1 over the entire Cycle 1 period, and we noticed that some of the candidate sources are just below the detection threshold ($\sqrt{\text{TS}}=3$).</p> <p>In this proposal we ask to have the opportunity to analyze the same sources also during the AGILE Cycle 2 in order to increase statistic and put better constraints on blazar temporal flux variability.</p> <p>Being Fermi well operative, we will have also the possibility to compare AGILE results with Fermi data as soon as they will be published.</p>	NO	NO	Active Galactic Nuclei	APPROVED	Data File
			Blazar duty cycle from the microwave to gamma-ray slope		3 - Carliotta Pittori	<p>During AGILE AO Cycle 1 and Cycle 2 we were granted data rights for ten LBL blazars from the new WMAP 3 yr catalog, sorted in decreasing order according to the microwave to gamma-ray slope, proposed as a figure of merit to identify gamma-ray blazar candidates.</p> <p>With the AGILE two-year accumulated statistic we obtained the results reported in table 1.</p>			Active		



Agile AO1 Approved Targets

You have the following download options:

- Automatically unpack the data using a Java applet
- Download a tar file.

GO Data

Select files below, then click this button to download the data:

[Download](#)

All Files

Delivery_2009-Oct-06

LOG_Auxiliary_Files

- [AO1_OB5900_LOG.tar](#) 1917130 kB
- [AO1_OB5910_LOG.tar](#) 472420 kB
- [AO1_OB5920_LOG.tar](#) 1255980 kB
- [AO1_OB6010_LOG.tar](#) 774590 kB
- [AO1_OB6110_LOG.tar](#) 820330 kB
- [AO1_OB6200_LOG.tar](#) 2508590 kB
- [AO1_OB6210_LOG.tar](#) 562020 kB
- [AO1_OB6310_LOG.tar](#) 1013700 kB
- [AO1_OB6400_LOG.tar](#) 2252880 kB

- [AO1_OB5920_r3_ID24_WMAP3_J0423-0120_FM.tgz](#) 540 kB
- [AO1_OB6110_r3_ID24_WMAP3_J0423-0120_FM.tgz](#) 423 kB
- [AO1_OB6200_r3_ID24_WMAP3_J1923-2106_FM.tgz](#) 2384 kB
- [AO1_OB6200_r3_ID24_WMAP3_J1923-2106_FT3AB.tgz](#) 1949 kB
- [AO1_OB6200_r3_ID24_WMAP3_J1958-3845_FM.tgz](#) 2032 kB
- [AO1_OB6200_r3_ID24_WMAP3_J1958-3845_FT3AB.tgz](#) 1713 kB
- [AO1_OB6200_r3_ID24_WMAP3_J2000-1749_FM.tgz](#) 1998 kB
- [AO1_OB6200_r3_ID24_WMAP3_J2000-1749_FT3AB.tgz](#) 1675 kB
- [AO1_OB6210_r3_ID24_WMAP3_J0403-3604_FM.tgz](#) 428 kB
- [AO1_OB6210_r3_ID24_WMAP3_J0403-3604_FT3AB.tgz](#) 378 kB
- [AO1_OB6310_r3_ID24_WMAP3_J1923-2106_FM.tgz](#) 816 kB
- [AO1_OB6310_r3_ID24_WMAP3_J1923-2106_FT3AB.tgz](#) 756 kB
- [AO1_OB6310_r3_ID24_WMAP3_J1958-3845_FM.tgz](#) 474 kB
- [AO1_OB6310_r3_ID24_WMAP3_J2000-1749_FM.tgz](#) 805 kB
- [AO1_OB6310_r3_ID24_WMAP3_J2000-1749_FT3AB.tgz](#) 702 kB
- [AO1_OB6310_r3_ID24_WMAP3_J2148+0657_FM.tgz](#) 829 kB
- [AO1_OB6310_r3_ID24_WMAP3_J2148+0657_FT3AB.tgz](#) 716 kB
- [AO1_OB6310_r3_ID24_WMAP3_J2225-0456_FM.tgz](#) 641 kB
- [AO1_OB6400_r3_ID24_WMAP3_J1635+3807_FM.tgz](#) 1165 kB
- [AO1_OB6400_r3_ID24_WMAP3_J2148+0657_FM.tgz](#) 1516 kB

Legenda

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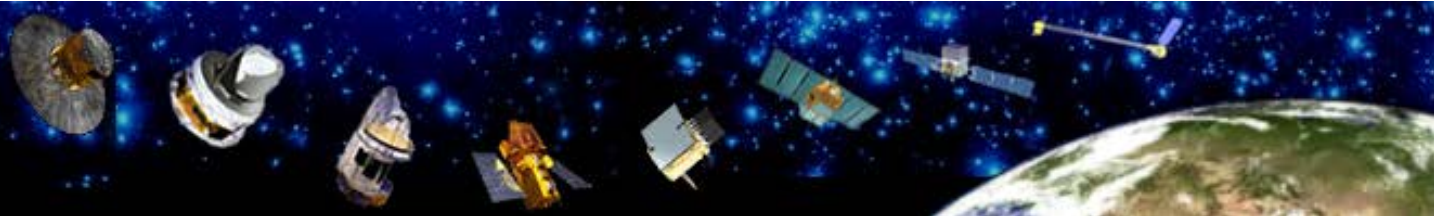
Approved Targets [Show as PDF in a new window](#)

Agile AO1 Approved Targets

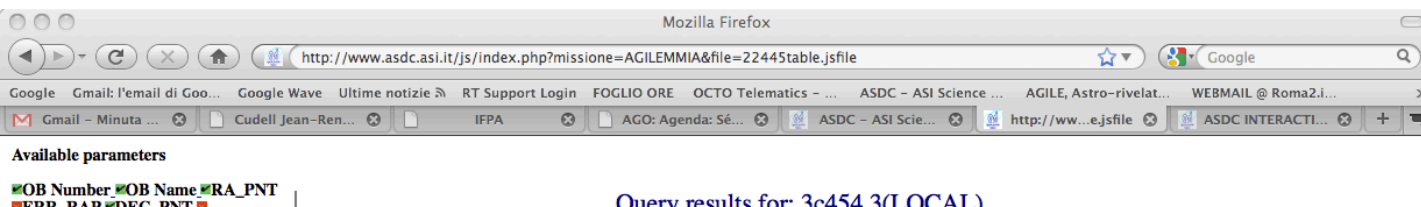
Target Name	RA (J2000)	Dec (J2000)	RA (J2000)	Dec (J2000)	l	b	PI Name	Proposal	Target
3EG J0010+7309	0h 9m 36.48s	73 10' 55.20"	2.402	73.182	119.870	10.559	Diego Torres	39	3EG Sc
J0030+0451	0h 30m 27.35s	4 51' 39.59"	7.614	4.861	113.141	-57.611	Andrea Possenti	6	Puls
1ES 0033+595	0h 35m 52.55s	59 50' 6.00"	8.969	59.835	120.975	-2.978	David Williams	7	Active Gala
PSR J0108-1431	1h 8m 8.15s	-14 31' 47.99"	17.034	-14.530	140.927	-76.815	Patrick Weltevrede	21	Puls
1ES 0120+340	1h 23m 8.64s	34 20' 49.20"	20.786	34.347	130.346	-28.068	David Williams	7	Active Gala
J0205+6449	2h 5m 37.92s	64 49' 44.39"	31.408	64.829	130.719	3.085	Andrea Possenti	6	Puls
PKS 0208-512	2h 10m 46.31s	-50 58' 58.79"	32.693	-50.983	276.055	-61.804	Elena Pian	13	Active Gala
J0218+4232	2h 18m 6.24s	42 32' 16.79"	34.526	42.538	139.508	-17.527	Andrea Possenti	6	Puls
3C 66A	2h 22m 39.59s	43 2' 5.99"	35.665	43.035	140.143	-16.767	David Williams	7	Active Gala
J0323+5122	3h 23m 35.99s	51 22' 11.99"	50.900	51.370	145.636	-4.667	Vincenzo Vitale	31	3EG Sc
B2 0321+33B	3h 24m 41.3s	34 10' 44.40"	51.171	34.179	155.727	-18.757	David Williams	7	Active Gala
Per OB2	3h 40m 0.0s	33 0' 0.00"	55.000	33.000	159.152	-17.765	Elena Orlando	7	3EG Sc
PSR J0358+5413	3h 58m 53.75s	54 13' 11.99"	59.724	54.220	148.190	0.811	Teresa Mineo	19	Puls
WMAP3 J0403-3604	4h 3m 52.79s	-36 4' 47.99"	60.970	-36.080	237.737	-48.486	Carlotta Pittori	24	Active Gala
3EG J0416+3650	4h 16m 9.60s	36 50' 0.00"	64.040	36.840	162.211	-9.968	vito sguera	22	3EG Sc
WMAP3 J0423-0120	4h 23m 14.40s	-1 20' 24.00"	65.810	-1.340	195.284	-33.144	Carlotta Pittori	24	Active Gala
J0500+2529	5h 0m 16.79s	25 29' 23.99"	75.070	25.490	177.180	-10.271	Vincenzo Vitale	31	3EG Sc
PKS 0521-36	5h 22m 58.8s	-35 32' 27.59"	80.742	-35.541	239.541	-32.528	Elena Pian	13	Active Gala
J0538+2817	5h 38m 24.95s	28 17' 9.60"	84.604	28.286	179.718	-1.686	Andrea Possenti	6	Puls
PKS 0537-286	5h 39m 54.23s	-28 39' 53.99"	84.976	-28.665	232.939	-27.293	Eugenio Bottacini	43	Active Gala
3EG J0542+2610	5h 42m 39.11s	26 11' 5.99"	85.663	26.185	182.000	-2.001	Diego Torres	39	3EG Sc
PSR J0614+2229	6h 14m 17.28s	22 30' 36.00"	93.572	22.510	188.786	2.400	Teresa Mineo	19	Puls
3EG J0631+0642	6h 31m 39.36s	6 41' 42.00"	97.914	6.695	204.720	-1.320	Diego Torres	39	3EG Sc
3EG J0634+0521	6h 34m 39.83s	5 28' 19.20"	98.666	5.472	206.150	-1.221	Diego Torres	39	3EG Sc
1ES 0647+250	6h 50m 46.56s	25 3' 0.00"	102.694	25.050	190.282	10.996	David Williams	7	Active Gala
PSR J0659+1414	6h 59m 48.23s	14 14' 20.40"	104.951	14.239	201.108	8.259	Teresa Mineo	19	Puls
J2227+6122	7h 6m 7.20s	3 10' 48.00"	106.530	3.180	211.769	4.714	Vincenzo Vitale	31	3EG Sc
PSR J0711-6830	7h 11m 53.99s	-68 30' 46.80"	107.975	-68.513	279.531	-23.280	Patrick Weltevrede	21	Puls
SWIFTJ0746.3+2548	7h 46m 25.92s	25 49' 1.20"	116.608	25.817	194.581	22.891	Elena Pian	13	Active Gala
Vel OB2	8h 8m 0.0s	-47 0' 0.00"	122.000	-47.000	262.375	-7.728	Elena Orlando	36	3EG Sc
1ES 0806+524	8h 9m 49.19s	52 18' 57.60"	122.455	52.316	166.245	32.910	David Williams	7	Active Gala
Mrk 1218	8h 38m 10.79s	24 53' 41.99"	129.545	24.895	199.812	33.676	David Williams	7	Active Gala

AGILE Public Data Distribution from the ASDC MMIA

- **First Cycle-1 public delivery (17 OBs): Jun 10, 2009** ([data_release_note_v1](#))
- **Second Cycle-1 public delivery (3 OBs): July 17, 2009**
- **Publication of a reprocessed Cycle-1 (20 OB) dataset: Oct 6, 2009**
([data_release_note_v2](#))
- **Complete Cycle-1 public data release (29 OB): Dec 22, 2009**
([data_release_note_v3](#))
- **Cycle-2 public delivery (22 OB) and reprocessed Cycle-1 dataset: Oct 6, 2010** ([data_release_note_v4](#))
- **Complete Cycle-1 and Cycle-2 (pointing) reprocessed data release: Dec 21, 2010** ([data_release_note_v5](#))
- **Cycle-3 and Cycle-4 (spinning) public deliveries: Nov 9 - Dec 21, 2011 and Nov 21, 2012** ([data_release_note_v6](#) and [data_release_note_v7](#))



New interactive on-line analysis tool developed at the ASDC for AGILE public data preview:



Ximage sw package adapted to gamma-rays

Allows web users to have a **preview** of the AGILE public data fields and perform an interactive **preliminary analysis** around a chosen sky position.

			Field ID					09:00:00	12:00:00		Reporting		
3	<div>Select</div>	<div>ASDC Data Explorer</div>	5820	Cygnus Field 2 Resumed	22 06 24.0	+50 00 00.0	Public access	On-line Analysis	2008-06-15 12:00:00	2008-06-30 12:00:00	52331706	Baseline	35.19
4	<div>Select</div>	<div>ASDC Data Explorer</div>	4920	Cygnus Field 1 Extended	22 15 60.0	+37 53 60.0	Public access	On-line Analysis	2007-12-15 12:00:00	2007-12-16 12:00:00	3083048	ToO	23.3

Swift XRT (X-ray) on-line analysis from MMIA

http://www.asdc.asi.it - ASDC INTERACTIVE ARCHIVE

The ASDC Multi-frequency Data Explorer

3C454.3
SWIFT XRT 2005 Apr 24 Exposure: 13722 s

Show sources list sorted by :
RA

Image Analysis

Color table
Default

Image scaling
Default

Error radius (arcsec)
0

Overlay catalogue entries

AZLED
A2PIC
ABELL
AGN

Submit

Y Pixels

Approximate Sensitivity

Details for source/cursor position (J2000.0)

Subset selection mode:									
1	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00035030027	22 53 34.3	+16 04 18.3
2	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00031018008	22 53 47.5	+16 08 24.5
3	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00031018006	22 53 49.1	+16 08 32.1
4	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00031018007	22 53 49.2	+16 08 25.4
5	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00031018002	22 53 49.2	+16 08 19.9
6	Select	ASDC Data Explorer	On-line Analysis	Data products	Submit Query	3C454.3	00031018005	22 53 51.5	+16 09 00.9

XRT On-line Analysis

Select data mode for analysis

☒ PC Mode ☐ WT Mode (3670 sec)

ASDC data reprocessing

☐ yes ☒ no

NOTE the reprocessing may take a while (from about 30 seconds up to several minutes)

HELP

SUBMIT

http://www.asdc.asi.it Swift XRT products

The ASDC Multi-frequency Data Explorer

Swift XRT products

Task XRTPRODUCTS is running, please wait

Building Exposure Map, it may take a while (up to several minutes)

Standard Products

Show energy spectrum

- 0.3-10 keV lightcurve
- 0.3-2.keV lightcurve
- 2.0-10 keV lightcurve

Download Data

- Spectrum (pha file)
- Anc. Resp. File (arf)
- Red. Matrix File (rmf)
- Exposure Map File
- Lightcurve (FITS file)

Spectral analysis (with XSPEC)

NH (e.g. 3.e20) :

default: NH=Galactic value
(from Dickey & Lockman 1990)

Freeze NH? ☐ yes ☒ no

Xspec Model :

photon index :

norm :

Energy range for spectral analysis

Emin Emax

Energy range for Xspec flux estimate

Emin Emax

Number of SED bin

Submit

Timing analysis (with LCURVE)

Bin size (> 200) seconds

Plot type ☒ Linear ☐ Log

Energy range

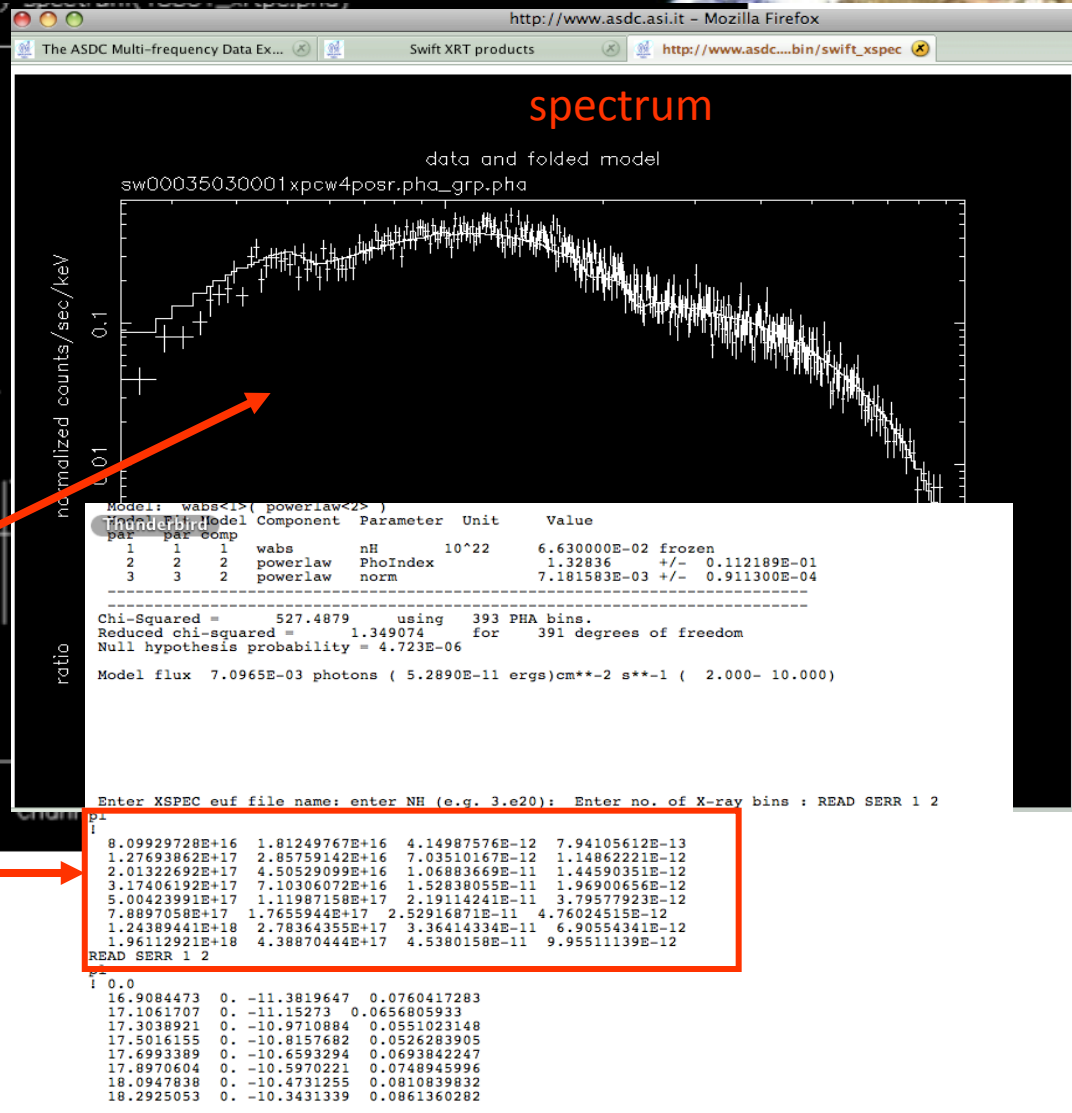
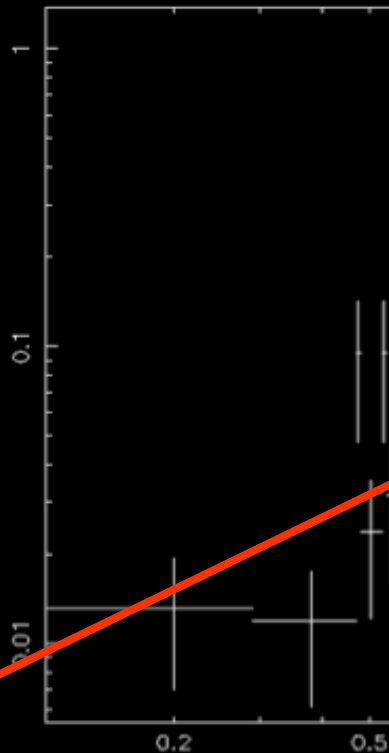
☒ Full band ☐ 0.3-2.0keV ☐ 2-10keV

Hardness ratio? ☐ yes ☒ no

nframe

Submit

normalized counts/sec/keV



Data ready to be
inserted in the
SED

NEW: web interface for **AGILE interactive on-line ML analysis on legacy γ -ray data archive under construction!! Stay tuned!**

Warning: use AGILE imaging tool only as a preview of the γ -ray field.
For the moment users should download data and use the official public AGILE software for scientific analysis:

Index of /public/AGILE_SW_5.0_SourceCode

Icon	Name	Last modified	Size	Description
[DIR]	Parent Directory		-	
[]	AGILE-IFC-OP-009 Build-21.pdf	22-Nov-2011 18:24	928K	
[]	BUILD GRID 5.0.tgz	22-Nov-2011 16:56	121M	
[TXT]	SoftwareReleaseNote 5.0.txt	25-Nov-2011 16:01	16K	
[TXT]	readme 5.0.txt	22-Nov-2011 16:57	5.2K	
[]	test dataset 5.0.tgz	22-Nov-2011 16:57	346M	

HELPDESK SERVICE

Some concluding remarks:

- Close collaboration between Instrument Team and Operations Team very important
- Plan for human resources to build and maintain mission legacy archives
- Involvement of both expert scientists and non-expert users (**including students**) to optimize user support and public tools
- Suggestion: future **hands-on** workshops on available data archive interfaces and tools (next SciOps?)

Backup slides

Table 3: AGILE Scientific Performance

Gamma-ray Imaging Detector (GRID)		
Energy Range	30 MeV – 50 GeV	
Field of view	~ 3 sr	
Sensitivity at 100 MeV ($\text{ph cm}^{-2} \text{s}^{-1} \text{MeV}^{-1}$)	6×10^{-9}	(5σ in 10^6 s)
Sensitivity at 1 GeV ($\text{ph cm}^{-2} \text{s}^{-1} \text{MeV}^{-1}$)	4×10^{-11}	(5σ in 10^6 s)
Angular Resolution at 1 GeV	36 arcmin	(68% cont. radius)
Source Location Accuracy	$\sim 5\text{--}20$ arcmin	S/N ~ 10
Energy Resolution	$\Delta E/E \sim 1$	at 300 MeV
Absolute Time Resolution	$\sim 1 \mu\text{s}$	
Deadtime	$\sim 200 \mu\text{s}$	
Hard X-ray Imaging Detector (Super-AGILE)		
Energy Range	10 – 40 keV	
Field of view	$107^\circ \times 68^\circ$	FW at Zero Sens.
Sensitivity (at 15 keV)	~ 5 mCrab	(5σ in 1 day)
Angular Resolution (pixel size)	~ 6 arcmin	
Source Location Accuracy	$\sim 2\text{--}3$ arcmin	S/N ~ 10
Energy Resolution	$\Delta E < 4$ keV	
Absolute Time Resolution	$\sim 4 \mu\text{s}$	
Deadtime (for each of the 16 readout units)	$\sim 4 \mu\text{s}$	
Mini-Calorimeter		
Energy Range	0.3 – 200 MeV	
Energy Resolution	~ 1 MeV	above 1 MeV
Absolute Time Resolution	$\sim 3 \mu\text{s}$	
Deadtime (for each of the 30 CsI bars)	$\sim 20 \mu\text{s}$	

AGILE Scientific Data Flow

Total AGILE data storage: ~1.3 TB/year. Consolidated archive (7-6-2102) including reprocessing (storage2) ~ 6.5 TB + QL data (storage1) ~ 550 GB

