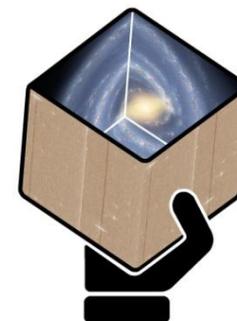


GENIUS

Report for WP6



gaia



X. Luri

Universitat de Barcelona



gaia



GENIUS April 2017

Overview

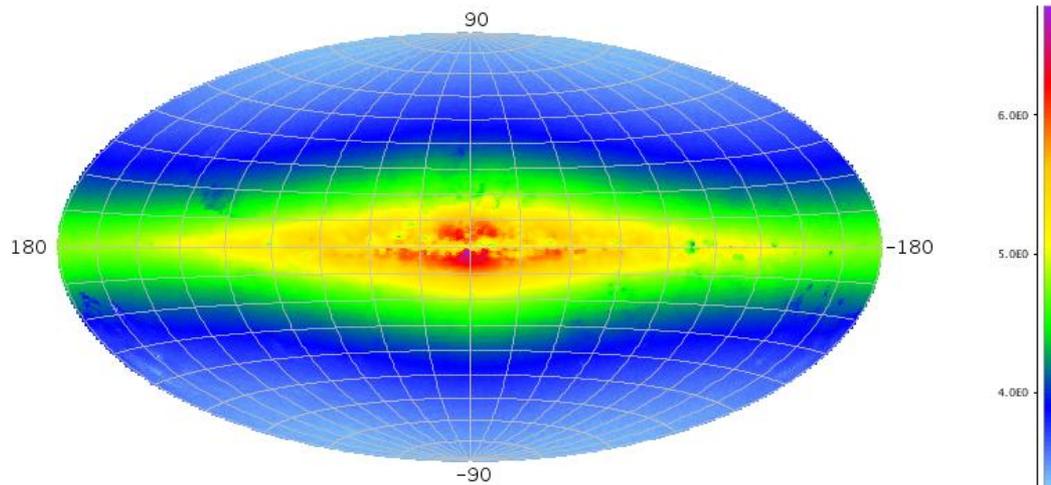
This work package aims to provide support activities needed for the development of the tasks in the rest of WPs

6.2 Simulations

Three series of GOG simulations plus additional smaller simulations delivered for DPAC use.

Two of these delivered in this reporting period for Gaia DR1: deliverable 6.3 used for preliminary validation deliverable 6.5 used for final validation.

Total sky density (Log. of the number of objects per square degree). Objects: 2013603951. Objects Out: 0



These simulations are stored at the main archive for use in validations, accessible through the DB interface and as gbin files.

Some versions also available through the external data centres. Publication through main archive requested, in preparation.

6.3 Science alerts testbed

Task leader: UCAM

Tasks: T6.3

The provision of a testbed for science alerts; the prototypes of the science alerts system will be installed in it for testing and validation and made accessible to the test users.

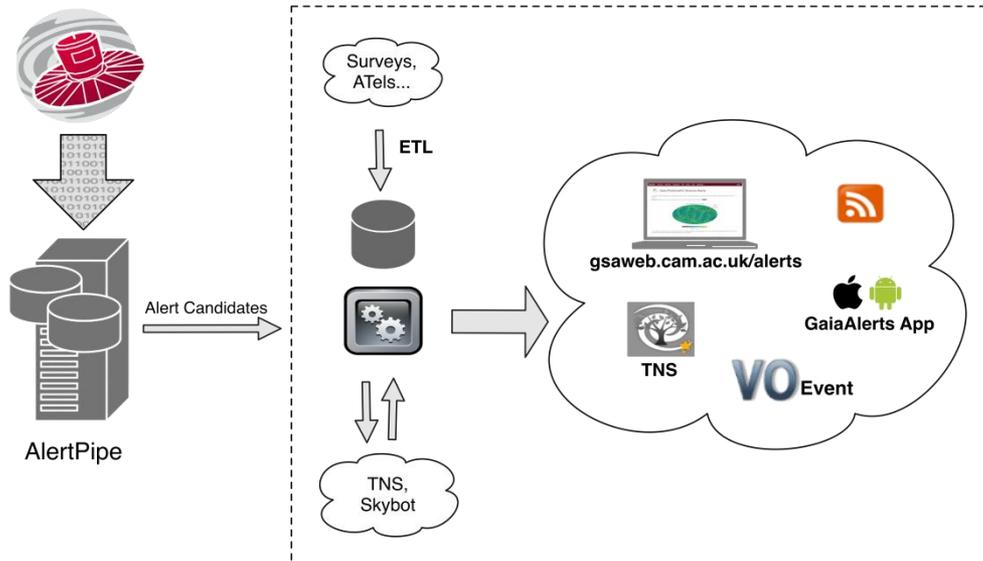
Deliverables:

- D6.2 Deployment of 1st public science alerts prototype
- D6.4 Deployment of 2nd public science alerts prototype
- D6.6 Deployment of 3rd public science alerts prototype

Resources: 19.1sm [planned 12sm, additional effort due to favourable €/£ exchange rate and lower staff costs]

T6.3 Science alerts testbed

Developed science alerts testbed
<http://gsaweb.ast.cam.ac.uk/alerts/>
 Wide community usage
 Science alerts to be packaged and released in Gaia DR3



Gaia Science Alerts Publisher



Gaia European Network for Improved User Services (GENIUS)

Alerts

The table can be sorted by Name, UTC timestamp, RA, Dec and AlertMag - click column heading to sort.

Columns:

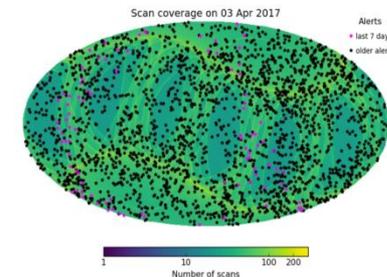
Name	UTC timestamp	RA	Dec	AlertMag	HistMag	HistStdDev	Class	Comment
Gaia14ade	2014-11-11 08:25:59	357.71672	28.98319	17.78	19.30	0.13	unknown	very blue star: CV?
Gaia14add	2014-11-11 04:44:38	182.15532	11.99387	17.70	18.71	0.04	unknown	QSO at z=0.36. Brighter of 1 mag

Gaia Alerts Alerts Index All-Sky Alerts Search Surveys-ATels Tools About Log in

Gaia Photometric Science Alerts

To browse the alerts published so far, please see the Alert Index tab. The table provides links to the per-source alert pages, including lightcurves and BP/RP spectra.

STATUS: Operational. Now you can receive alerts on your phone or tablet. Get the IOS app at [App Store](#)



If you publish any results based on these Gaia discoveries, we would appreciate an acknowledgement along the lines of: We acknowledge ESA Gaia, DPAC and the Photometric Science Alerts Team (<http://gsaweb.ast.cam.ac.uk/alerts/>).

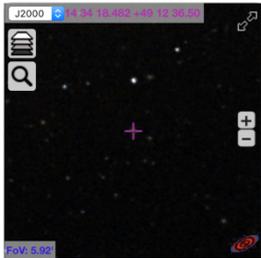


T6.3 Science alerts testbed

<< previous next >>

Gaia16aax

- Details
- Follow-up
- Observations
- Classification Update
- Comments



RA - DEC
 218.57701 49.21014
 14:34:18.48 49:12:36.50

Alerting date
 2016-01-26 15:55:17

Julian date
 2457414.16

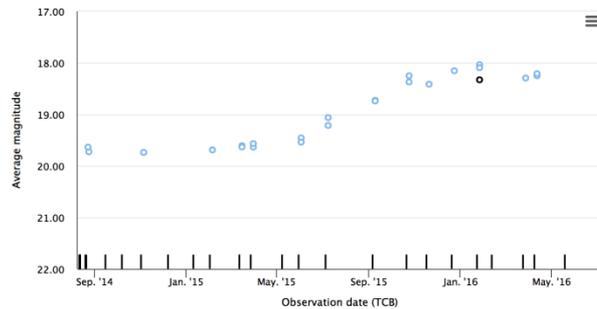
Alerting magnitude
 18.33

Historic magnitude
 19.61

Historic StdDev
 0.15

Class
 AGN

Publication date
 Jan. 30, 2016, 1:55 p.m.



○ Detections | Scans ○ Alert

Get lightcurve data

Other surveys detections
 None

Comments
 slowly rising transient in galaxy core

ATels
 8669

Abrir "wuffles.ast.private.cam.ac.uk:8080/publisher/home" en una pestaña nueva

Change password
Admin area

Follow-up Status

- General Status
- Urgent
- Photometry
- Spectroscopy
- Classify
- New Alerts
- Active Alerts
- Classified
- Archived

★ Urgent follow-up (5)

The following alerts need urgent actions:

- Photometry:** Gaia16aqj - Gaia16apy - Gaia16apw - Gaia16apt -
- Spectroscopy:** Gaia16aqj - Gaia16apw -
- Classify:** Gaia16apz - Gaia16apy -

🕒 Latest Mo

- Classified alerts:**
- Comments:** Gaia16aqj - Gaia16apw - Gaia16aqj -
- Updates:** Gaia16aqj -

Photometry Requested (9)

List of alerts which require to obtain photometric observations.

Spectroscopy Requested (7)

List of alerts which require the obtention of spectra.

Classification Requested (7)

List of alerts ready to be classified.

New Alerts (409)

List of new published alerts which need selecting actions to be taken.

Active Alerts (15)

List of alerts which are being actively followed-up.

Classified alerts (167)

List of alerts already classified. Follow-up might not be completed.

Gaia Alerts and Publisher

In general use by the alerts follow-up community

