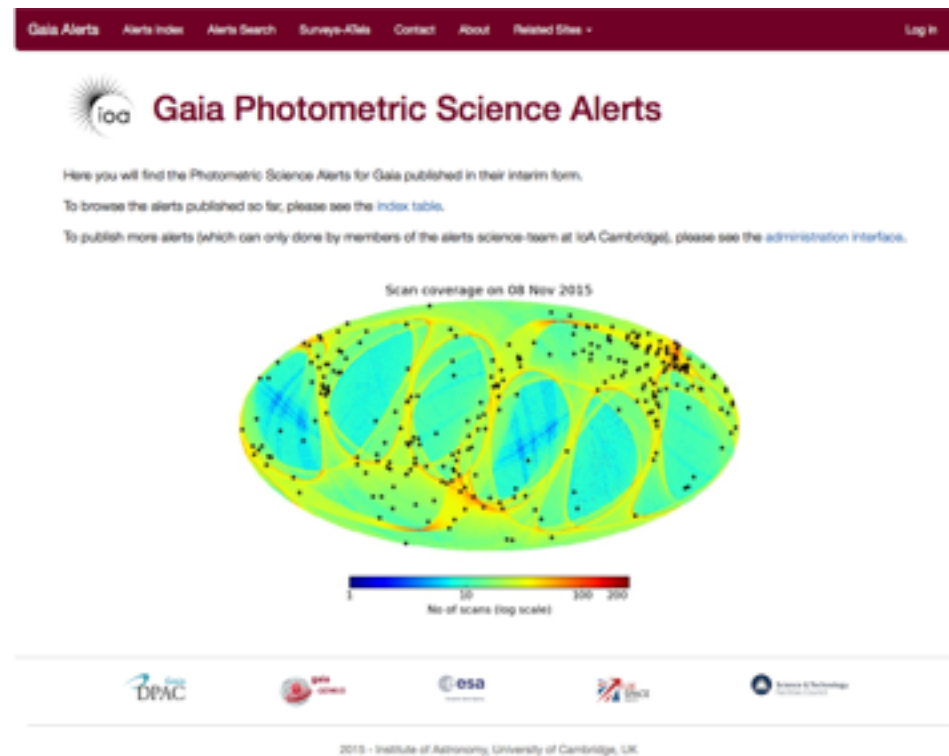
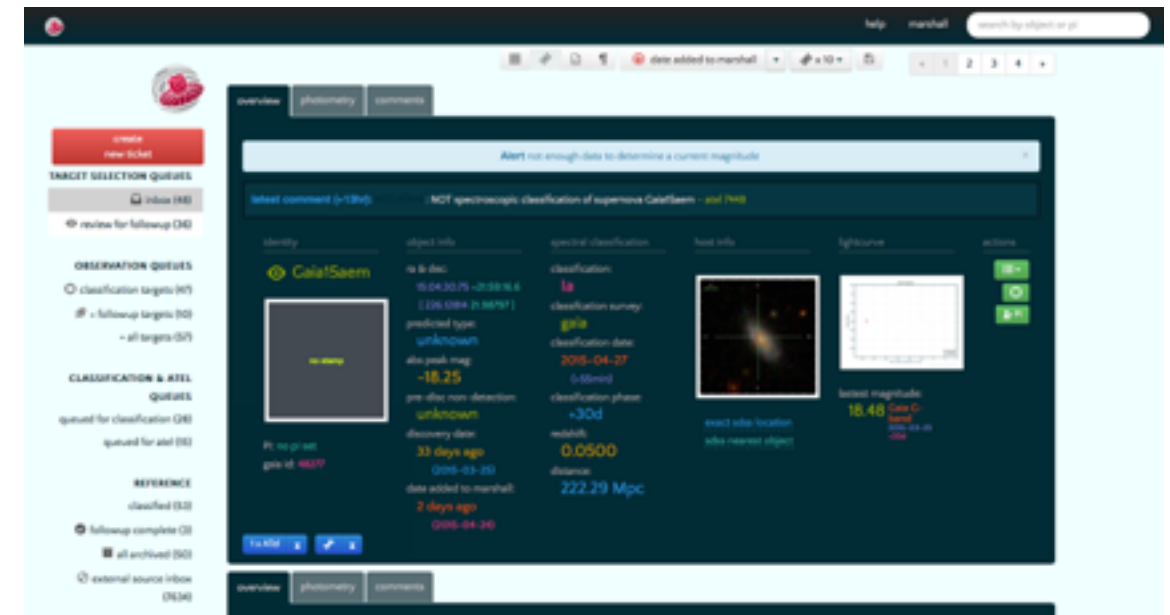


The New Gaia Alerts Interfaces



Alerts Publisher



Gaia Marshall



Gaia Marshall

create new ticket

TARGET SELECTION QUEUES

inbox (48)

review for followup (36)

OBSERVATION QUEUES

classification targets (47)

+ followup targets (10)

= all targets (57)

CLASSIFICATION & ATEL QUEUES

queued for classification (28)

queued for atel (15)

REFERENCE

classified (53)

followup complete (3)

all archived (50)

external source inbox (7634)

help

marshall

search by object or pi

date added to marshall

x 10

1 2 3 4

overview

photometry

comments

Alert not enough data to determine a current magnitude

latest comment (+13hr): [ATEL 7448](#): NOT spectroscopic classification of supernova Gaia15aem - [atel 7448](#)

identity

no stamp

Pi: no pi set

gaia id: [48277](#)

object info

ra & dec:

15:04:30.75 +21:59:16.6

[226.12814 21.98797]

predicted type:

unknown

abs peak mag:

-18.25

pre-disc non-detection:

unknown

discovery date:

33 days ago

(2015-03-25)

date added to marshall:

2 days ago

(2015-04-24)

spectral classification

classification:

la

classification survey:

gaia

classification date:

2015-04-27

(+55min)

classification phase:

+30d

redshift:

0.0500

distance:

222.29 Mpc

host info

exact sdss location

sdss nearest object

lightcurve

latest magnitude:

18.48

Gaia G-band

2015-03-25

+33d

actions

⋮

🔄

👤 Pi

1 x ATEL

🔗

🔍

overview

photometry

comments

Alert not enough data to determine a current magnitude

latest comment (13 days ago): [ATEL 7378](#): NOT and LT spectroscopic classification of supernovae Gaia15acz and Gaia15aek - [atel 7378](#)

identity

object info

ra & dec:

09:11:01.62 +34:44:27.2

[122.75575 34.74089]

spectral classification

classification:

II

host info

lightcurve

actions

⋮

🔄

Gaia Marshall

- ▶ Became operational by mid-April
- ▶ Provides a visual workflow of the status of alerts follow-up
- ▶ Developed at Queen's University Belfast for Pessto Survey
- ▶ Customised by GSA group to meet our requirements
- ▶ With David Young (Queen's Univ.) support
- ▶ Located at: <https://gaiamarshall.ast.cam.ac.uk>

Gaia Marshall

- ▶ Username and password is required. Granted by request
gaiamarshall@ast.cam.ac.uk
- ▶ This app helps to get an agreed classification for the alerts

Sync resources in observing terms

> 30 registered users to help classifying alerts

Astronomers' follow-up around the world



Gaia Marshall

Imports data from different surveys web pages and streams:

- ▶ ASAS-SN
- ▶ CRTS
- ▶ OGLE
- ▶ Pan-STARRS
- ▶ SkyMapper
- ▶ ATels

Gaia Marshall

The screenshot displays the Gaia Marshall web interface. On the left is a sidebar with a yellow border containing navigation links: 'create new ticket', 'TARGET SELECTION QUEUES' (inbox (48), review for followup (36)), 'OBSERVATION QUEUES' (classification targets (47), + followup targets (10), = all targets (57)), 'CLASSIFICATION & ATEL QUEUES' (queued for classification (28), queued for atel (15)), 'REFERENCE' (classified (53), followup complete (3), all archived (50)), and 'external source inbox (7634)'. The main panel shows object details for 'Gaia15aem'. A yellow arrow points to the 'identity' tab. The details include: object info (ra & dec: 15:04:30.75 +21:59:16.6 [226.12814 21.98797], predicted type: unknown, abs peak mag: -18.25, pre-disc non-detection: unknown, discovery date: 33 days ago (2015-03-25), date added to marshall: 2 days ago (2015-04-24)), spectral classification (classification: Ia, classification survey: gaia, classification date: 2015-04-27 (+55min), classification phase: +30d, redshift: 0.0500, distance: 222.29 Mpc), host info (SDSS image), lightcurve (plot), and actions (menu, refresh, PI). A blue alert banner at the top of the main panel reads 'Alert not enough data to determine a current magnitude'. Below the main panel, a comment from 'ATEL 7378' is visible, mentioning 'NOT and LT spectroscopic classification of supernovae Gaia15acz and Gaia15aek - atel 7378'.

create new ticket

TARGET SELECTION QUEUES

inbox (48)

review for followup (36)

OBSERVATION QUEUES

classification targets (47)

+ followup targets (10)

= all targets (57)

CLASSIFICATION & ATEL QUEUES

queued for classification (28)

queued for atel (15)

REFERENCE

classified (53)

followup complete (3)

all archived (50)

external source inbox (7634)

overview photometry comments

Alert not enough data to determine a current magnitude

latest comment (13 days ago): ATEL 7378: NOT spectroscopic classification of supernova Gaia15aem - atel 7448

identity object info spectral classification host info lightcurve actions

Gaia15aem

no stamp

Pi: no pi set
gaia id: 48277

ra & dec:
15:04:30.75 +21:59:16.6
[226.12814 21.98797]

predicted type:
unknown

abs peak mag:
-18.25

pre-disc non-detection:
unknown

discovery date:
33 days ago
(2015-03-25)

date added to marshall:
2 days ago
(2015-04-24)

classification:
Ia

classification survey:
gaia

classification date:
2015-04-27
(+55min)

classification phase:
+30d

redshift:
0.0500

distance:
222.29 Mpc

exact sdss location
sdss nearest object

latest magnitude:
18.48 Gaia G-band
2015-03-25
+33d

overview photometry comments

Alert not enough data to determine a current magnitude

latest comment (13 days ago): ATEL 7378: NOT and LT spectroscopic classification of supernovae Gaia15acz and Gaia15aek - atel 7378

identity object info spectral classification host info lightcurve actions

Gaia15acz

ra & dec:
09:11:01.62 +34:44:27.2
[132.75575 34.74089]

classification:
II

Gaia Marshall

PROS...

- Sync resources

- Allows astronomers interaction

- Status of the followup to be done

CONS...

- Does not fulfil our needs

- The data flow is complex

- Data detached in two apps

Alerts Publisher

- ▶ Takes over the publishing tasks of the AlertPipe findings
- ▶ Fully developed by the Gaia Science Alerts group
- ▶ Operational since Nov. 2014 at:

<http://gsaweb.ast.cam.ac.uk/alerts/>

- with basic publishing functionalities
- alerts published in CSV, RSS and HTML formats

GSA Web Applications:

```
#Name, Date, RaDeg, DecDeg, AlertMag, HistoricMag, HistoricStdDev, Class, Published, Comment
Gaia15aee,2015-04-13 18:13:43,65.42600,34.05784,18.17,,,,"unknown",2015-04-24 13:34:34,"New source aka CSS090403:042142+340328: candidate CV"
Gaia15aen,2015-04-13 11:07:53,99.63035,-22.86799,17.11,,,,"unknown",2015-04-23 22:05:52,"Hostless blue transient at galactic latitude=-12.9"
Gaia15aem,2015-03-25 08:01:31,226.12814,21.98797,18.48,,,,"unknown",2015-04-23 18:31:40,"new source at G-18.5 near the centre of known SDSS
galaxy"
Gaia15ael,2015-03-30 09:12:25,203.34546,58.72538,17.27,,,,"unknown",2015-04-10 18:20:41,"new source near SDSS galaxy, aka
CSS150325:133323+584331"
Gaia15aek,2015-03-30 02:29:03,101.76123,64.93435,17.73,,,,"SN IIP",2015-04-05 22:57:07,"bright blue new source 7 arcsec from large SDSS
galaxy"
Gaia15aej,2015-03-28 03:28:40,275.14162,-50.91538,18.66,,,,"unknown",2015-04-05 22:30:27,"blue new source 5 arcsec from LEDA galaxy"
Gaia15aei,2015-03-28 19:02:36,50.35316,-11.14574,18.39,,,,"unknown",2015-04-05 21:01:00,"new source next to large LEDA galaxy"
Gaia15aeh,2015-04-01 11:24:46,54.29547,-6.84986,18.06,,,,"unknown",2015-04-04 22:05:04,"blue brightening on SDSS star - CV candidate, aka
CSS110923:033711-065059"
Gaia15aeg,2015-03-25 13:03:48,55.79088,-9.44198,18.95,,,,"unknown",2015-04-04 21:57:26,"new source 5 arcsec from a galaxy"
Gaia15aef,2015-03-24 21:25:09,287.23275,-39.90359,18.58,,,,"unknown",2015-04-03 15:55:37,"new blue source about 15 arcsec from LEDA galaxy"
Gaia15aee,2015-03-25 05:28:00,63.24210,-1.27830,18.69,,,,"unknown",2015-04-03 15:55:37,"new source 5 arcsec away from a galaxy, broad-lines
red spectrum"
Gaia15aed,2015-03-23 00:53:31,54.86035,-19.21360,18.60,,,,"unknown",2015-03-31 10:02:15,"new blue source next to LEDA galaxy, last non-
detection 2015-02-12"
Gaia15aec,2015-03-23 12:45:54,47.62801,-23.88568,18.64,,,,"unknown",2015-03-31 09:53:04,"new blue source next to LEDA galaxy, last non-
detection: 2015-02-10"
Gaia15aeb,2015-03-22 22:33:30,23.88592,-39.38601,16.53,,,,"unknown",2015-03-30 21:00:22,"new very bright source next to ES0297 galaxy (z=
0.017839), last non-detection: 2015-01-16"
Gaia15aea,2015-03-20 20:35:59,147.65932,41.85815,17.46,,,,"unknown",2015-03-27 18:26:21,"New source in core of SDSS galaxy, z=0.11"
Gaia15adz,2015-03-21 18:10:12,13.39216,-42.93881,18.24,,,,"unknown",2015-03-27 18:20:23,"New source about 2 arcsec from DSS galaxy"
Gaia15ady,2015-03-20 23:25:46,75.35345,-9.93184,18.41,,,,"unknown",2015-03-27 18:12:50,"New, blue source appearing about 2 arcsec from core
of DSS galaxy"
Gaia15adx,2015-03-19 05:03:52,64.09845,-28.49486,18.91,,,,"unknown",2015-03-26 16:04:38,"Blue transient 3 arcsec from core of DSS Galaxy"
Gaia15adw,2015-03-18 06:17:38,121.77012,21.43692,18.38,,,,"unknown",2015-03-24 23:05:02,"Hostless transient with stellar spectrum: possible
solar system object"
Gaia15adv,2015-03-18 06:15:56,120.30573,20.41842,18.69,,,,"unknown",2015-03-24 22:59:26,"Apparently hostless transient with stellar spectra:
possible solar system object"
Gaia15adu,2015-03-19 08:32:01,265.70622,9.19386,17.61,,,,"unknown",2015-03-24 22:53:51,"new blue source next to Leda galaxy"
Gaia15adt,2015-03-18 19:32:23,210.31236,44.30829,17.76,,,,"unknown",2015-03-24 22:51:04,"new blue source next to SDSS dwarf galaxy, last non-
detection 2015-02-04"
Gaia15ads,2015-03-17 14:05:03,251.47004,32.11807,18.63,,,,"unknown",2015-03-23 21:44:52,"blue transient on top of SDSS galaxy with
photometric z=0.11"
Gaia15adr,2015-03-17 18:22:29,126.73336,24.36601,18.39,,,,"unknown",2015-03-23 21:41:53,"hostless transient"
Gaia15adq,2015-03-17 12:19:34,125.01679,22.15763,18.13,,,,"unknown",2015-03-23 21:39:11,"new hostless blue transient"
Gaia15adp,2015-03-14 01:01:57,167.91901,53.98508,18.23,,,,"SN Ia",2015-03-23 21:36:36,"aka SN iPTF15lp : new blue transient 45\&#39;\&#39;
from large SDSS galaxy z=0.0488"
Gaia15ado,2015-03-14 23:47:13,347.09059,-50.72458,17.38,,,,"unknown",2015-03-23 21:36:15,"bright blue transient on very faint GALEX source"
Gaia15adn,2015-03-13 07:26:18,214.25299,62.91193,18.25,,,,"unknown",2015-03-20 20:20:13,"new blue source next to dwarf SDSS galaxy, last non-
detection 2015-02-02"
Gaia15adm,2015-03-14 13:15:22,190.33095,57.50171,18.15,,,,"unknown",2015-03-20 20:20:13,"new source in star forming SDSS galaxy, last non-
detection 2015-01-16"
Gaia15adl,2015-03-16 07:58:37,250.32064,39.29131,18.62,,,,"unknown",2015-03-20 20:20:13,"new blue source in star forming SDSS galaxy
(z=0.03054), last non-detection 2015-02-09"
Gaia15adk,2015-03-14 05:31:06,328.22464,-42.24069,18.74,,,,"unknown",2015-03-20 20:20:13,"new very red source clearly offset (5\&#39;\&#39;)
from LEDA galaxy, last non-detection 2014-12-09"
Gaia15adj,2015-03-14 22:50:21,67.36885,-48.07016,18.42,,,,"unknown",2015-03-20 20:20:13,"new blue source 10\&#39;\&#39; from LEDA galaxy,
last non-detection 2015-02-07"
Gaia15adi,2015-03-08 10:06:45,328.15360,-75.04241,18.70,,,,"unknown",2015-03-20 20:20:13,"new blue source 3\&#39;\&#39; from LEDA galaxy,
last non-detection 2015-01-14"
```

Alerts Publisher

External Surveys

- ▶ Import of alerts from 10 different surveys
- ▶ 27 distinct websites parsed
- ▶ Very inhomogeneous contents
- ▶ Stored in an in-house DB and updated hourly
- ▶ Total number of transients: 26,098 (2015-11-10)

Alerts Publisher

survey	parsed pages	number of objects
CRTS	18	11,103
CBET	1	5,111
PanStarrs	35 >	4,062
iPTF	1	1,174
Swift GRBs	1	963
CBAT	1	1,046
MASTER	1	945
ASASSN	2	906
OGLE	1 (+4)	846
LSQ	1	491

Alerts Publisher

- Update is completed in less than 90 seconds

Connect url

Parse HTML/CSV

Compare with DB table

Store findings

~ 90 s

~ 62 pages

~ 26,098 objects

survey	c
ASASSN	906
CBAT	1046
CBET	5111
CRTS_CSS_AGN	612
CRTS_CSS_AST	340
CRTS_CSS_BLAZER	256
CRTS_CSS_CV	910
CRTS_CSS_OTHER	833
CRTS_CSS_SN	1524
CRTS_CSS_SNCV	544
CRTS_MLS_AGN	2409
CRTS_MLS_AST	295
CRTS_MLS_BLAZER	104
CRTS_MLS_CV	100
CRTS_MLS_OTHER	854
CRTS_MLS_SN	783
CRTS_MLS_SNCV	837
CRTS_SSS_AGN	33
CRTS_SSS_AST	12
CRTS_SSS_BLAZER	18
CRTS_SSS_CV	254
CRTS_SSS_OTHER	171
CRTS_SSS_SN	105
CRTS_SSS_SNCV	109
iPTF	1174
LSQ	491
MASTER	945
OGLE	846
PS1	4062
SWIFT	963

Alerts Publisher

Astronomer's Telegrams (ATels)

- ▶ ~ 8,260 telegrams / ~9,715 distinct objects
- ▶ Without standard format
- ▶ Handling authors' typos
- ▶ Positions not always specified in the ATel
- ▶ Automated gather of transient positions

Alerts Publisher

7780	ASASSN-15mg	233.09500	41.84990	ASAS-SN Discovery of A Probable Supernova in 2MASX J15322270+4150586
7780	2MASX J15322270+4150586	233.09423	41.84994	ASAS-SN Discovery of A Probable Supernova in 2MASX J15322270+4150586
7781	ASASSN-15mf	213.59500	2.97520	Spectroscopic Classification of ASASSN-15mf as a Type Ia supernova near maximum
7781	UGC 09108	213.59542	2.98083	Spectroscopic Classification of ASASSN-15mf as a Type Ia supernova near maximum
7781	2000cp	241.36510	17.83020	Spectroscopic Classification of ASASSN-15mf as a Type Ia supernova near maximum
7782	OGLE-2015-SN-090	5.26187	-68.61812	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-091	6.21494	-64.17388	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15do	5.93142	-68.81751	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dq	5.78694	-63.41243	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dp	4.54223	-64.18361	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15ds	0.70415	-68.83669	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dr	0.41136	-73.08754	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15du	1.28735	-76.07372	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dt	1.29693	-68.65755	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dw	0.37953	-69.69799	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dv	1.51763	-72.13618	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dy	23.86349	-69.24469	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dx	23.33010	-74.13975	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15dz	23.89968	-79.76959	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-089	5.45552	-61.87672	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-088	6.07138	-74.24698	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-085	5.83495	-66.84121	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15eb	0.47033	-76.99070	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15ec	0.56119	-79.27036	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-087	6.34193	-72.71372	OGLE-IV Transient Search report 10 July 2015
7782	OGLE-2015-SN-086	5.83495	-66.84119	OGLE-IV Transient Search report 10 July 2015
7782	OGLE15ea	0.62488	-63.42658	OGLE-IV Transient Search report 10 July 2015
7783	PKS 1502+106	226.10408	10.49422	Optical/UV, High Energy Gamma-ray activity from the FSRQ PKS 1502+106
7784	ASASSN-15bq	109.51410	64.79540	MASTER :optical transient detection during automatic Fermi trigger 458235025 inspection
7784	MASTER J071803.26+644745.0			MASTER :optical transient detection during automatic Fermi trigger 458235025 inspection
7785	PS15bdy	337.63230	36.69070	Spectroscopic Classification of PSST Optical Transients
7785	PS15bdv	279.15160	30.64860	Spectroscopic Classification of PSST Optical Transients
7785	PS15ayr	312.58180	15.89150	Spectroscopic Classification of PSST Optical Transients
7785	PS15bdr	253.70590	36.72510	Spectroscopic Classification of PSST Optical Transients
7786	MASTER J102527.58+662528.8	276.36490	66.42470	MASTER: optical transients
7786	MASTER J202151.88-455950.3	305.46620	45.99730	MASTER: optical transients
7787	ASASSN-15mg	233.09500	41.84990	Spectroscopic classification of threeI SNe at Asiago
7787	PSN J22460504-1059484	341.52100	-10.99680	Spectroscopic classification of threeI SNe at Asiago
7787	PSN J17292918+7542390	262.37160	75.71080	Spectroscopic classification of threeI SNe at Asiago
7787	2MASX J15322270+4150586	233.09423	41.84994	Spectroscopic classification of threeI SNe at Asiago
7787	2000H	102.78200	12.92180	Spectroscopic classification of threeI SNe at Asiago
7788	V404 Cyg	306.01596	33.86722	Preliminary Radio/UV/X-ray Fluxes from July 10 for V404 Cyg as it Fades Towards Quiescence
7789	PNV J00431983+4123071	10.83260	41.38530	H-alpha confirmation of three novae in M31
7789	PNV J00424534+4119303	10.68890	41.32510	H-alpha confirmation of three novae in M31
7789	PNV J00431911+4116082	10.82960	41.26890	H-alpha confirmation of three novae in M31
7789	PNV J00424660+4117553	10.69420	41.29870	H-alpha confirmation of three novae in M31
7789	PNV J00423445+4116443	10.64350	41.27900	H-alpha confirmation of three novae in M31
7790	2MASX J14021617+3339415	210.56742	33.66144	ASAS-SN Discovery of Two Probable Luminous Supernovae in Mrk 0283a and 2MASX J14021617+3339415
7790	ASASSN-15mj	210.56480	33.66060	ASAS-SN Discovery of Two Probable Luminous Supernovae in Mrk 0283a and 2MASX J14021617+3339415
7790	ASASSN-15mi	210.81530	41.60330	ASAS-SN Discovery of Two Probable Luminous Supernovae in Mrk 0283a and 2MASX J14021617+3339415
7791	2MASX J20030163-2154516	300.75683	-21.91431	ASAS-SN Discovery of A Probable Supernova in 2MASX J20030163-2154516
7791	ASASSN-15ml	300.75720	-21.91430	ASAS-SN Discovery of A Probable Supernova in 2MASX J20030163-2154516
7792	ASASSN-15mm	231.34790	29.17340	ASAS-SN Discovery of A Probable Supernova in SDSS J152523.40+291018.8

Alerts Publisher

Public Area

- ▶ Renewed format
- ▶ Per alert pages
 - Finding charts
 - Lightcurve
 - Spectra - BP/RP code
 - Crossmatch: Other surveys & ATels
- ▶ Search forms
- ▶ Help pages



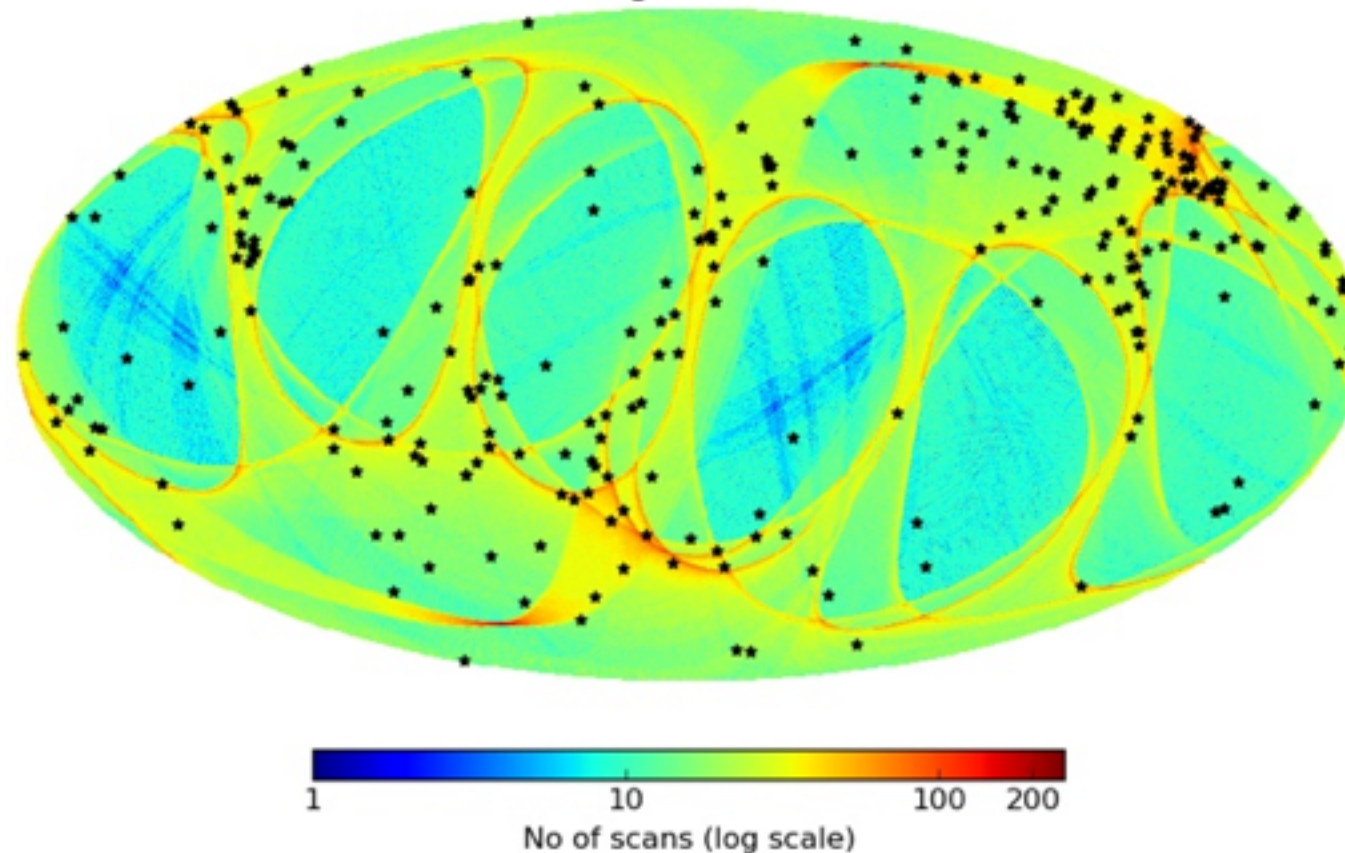
Gaia Photometric Science Alerts

Here you will find the Photometric Science Alerts for Gaia published in their interim form.

To browse the alerts published so far, please see the [index table](#).

To publish more alerts (which can only be done by members of the alerts science-team at IoA Cambridge), please see the [administration interface](#).

Scan coverage on 08 Nov 2015



Index to Gaia Photometric Alerts

These are all the alerts raised to date. You might wish to view or download these as a [table in CSV format](#).

See [here](#) for an explanation of the columns.

Show 10 entries

Search:

Name	Observed	RA (deg.)	Dec. (deg.)	Mag.	Historic mag.	Historic scatter	Class	Published	Comment
Gaia15agm	2015-06-01 14:51:25	358.98623	-43.72412	17.35			SN Ia	2015-06-09 11:27:39	candidate SN
Gaia15agl	2015-06-01 20:34:37	337.79327	-37.82735	18.71			unknown	2015-06-09 11:27:39	candidate SN
Gaia15agk	2015-06-03 02:38:28	337.70660	-43.04732	18.80			unknown	2015-06-09 11:27:39	candidate SN
Gaia15agj	2015-06-03 05:29:29	147.74682	37.96674	18.49			SN Ia	2015-06-09 11:27:39	candidate SN
Gaia15agi	2015-01-24 09:32:33	43.08181	60.57638	18.97			unknown	2015-06-03 15:16:18	Galactic plane red transient, brightened from 20 to 18 mag in 100days
Gaia15agh	2015-05-25 01:24:24	181.02133	14.06805	17.58			SN Ia	2015-06-02 15:06:52	candidate SN in spiral starforming SDSS galaxy (z=0.043)
Gaia15agg	2015-05-29 15:41:03	64.10105	-28.49464	18.96			unknown	2015-06-02 13:22:16	Candidate SN on edge of DSS galaxy
Gaia15agf	2015-05-29 08:17:25	330.62236	-20.32945	18.54			SN Ia	2015-06-02 13:19:12	Candidate young and blue SN on the edge of a DSS galaxy
Gaia15age	2015-05-29 22:00:29	83.48209	-20.78890	16.96			unknown	2015-06-02 00:15:29	aka CSS101214:053356-204720 : CV candidate
Gaia15agd	2015-05-29 07:24:33	171.57245	28.36723	18.42			SN II	2015-06-02 00:09:38	SN candidate in low surface brightness starburst galaxy at z=0.03

Showing 1 to 10 of 273 entries

Previous 1 2 3 4 5 ... 28 Next

Index to Gaia Photometric Alerts

Meaning of columns:

Name	Unique name of the alert. Please use this name when referring to the Gaia data of the alert in publications.
Observed	Time of observation of the event that triggered the alert, in TCB.
Published	Time of publication, in UTC.
RA (deg.)	Right ascension of the alerting source, in degrees, in the IRCS frame.
Dec. (deg.)	Declination of the alerting source, in degrees, in the IRCS frame.
Magnitude	Magnitude, in Gaia's G band of the alerting source at the time of the alert.
Historic mag.	Mean, historic magnitude of the alerting source, in Gaia's G band before the alert.
Historic scatter	Observed variation of magnitude (standard deviation of measurements) of the alerting source, in Gaia's G band.
Class	Type of transient event.

The time of the triggering event is the instant at which Gaia detected a significant change from a constant magnitude, and that depends more on Gaia's scanning law than on astrophysical events in the source. Notably, for eruptive events, the time of peak brightness may be either after or before the triggering time of the alert.

Time of observation is in [barycentric coordinate time](#) (TCB) rather than in UTC. Time of publication is in UTC.

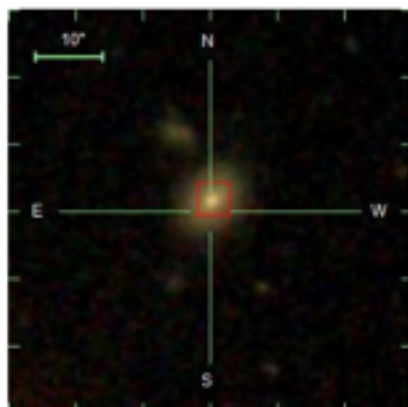
The sky position may either refer to a source in Gaia's own catalogue, or to a source in an external catalogue (e.g. SDSS) used as a reference for combining Gaia observations. Where the position comes from Gaia's catalogue, it is derived from a single, Gaia observation at the triggering point of the alert; this is *not* an astrometric measurement to the full precision of the Gaia main mission.

Magnitudes are in Gaia's "G" band. These are unfiltered, white-light observations in which the pass-band is defined by the instrument response. The magnitudes in the table are derived from a preliminary calibration of the photometry. The forthcoming photometric-catalogue from the Gaia mission will provide more accurate magnitudes based on a proper calibration.

Gaia14aaa

Details

Follow-up



RA - DEC
200.25861 45.53943
13:21:02.3 45:32:21.9

Alerting date
2014-08-30 02:22:31
Julian date
2456899.60
Alerting magnitude
17.32
Historic magnitude
19.22
Historic StdDev
0.42
Class
SN Ia
Publication date
not available

Other surveys detections

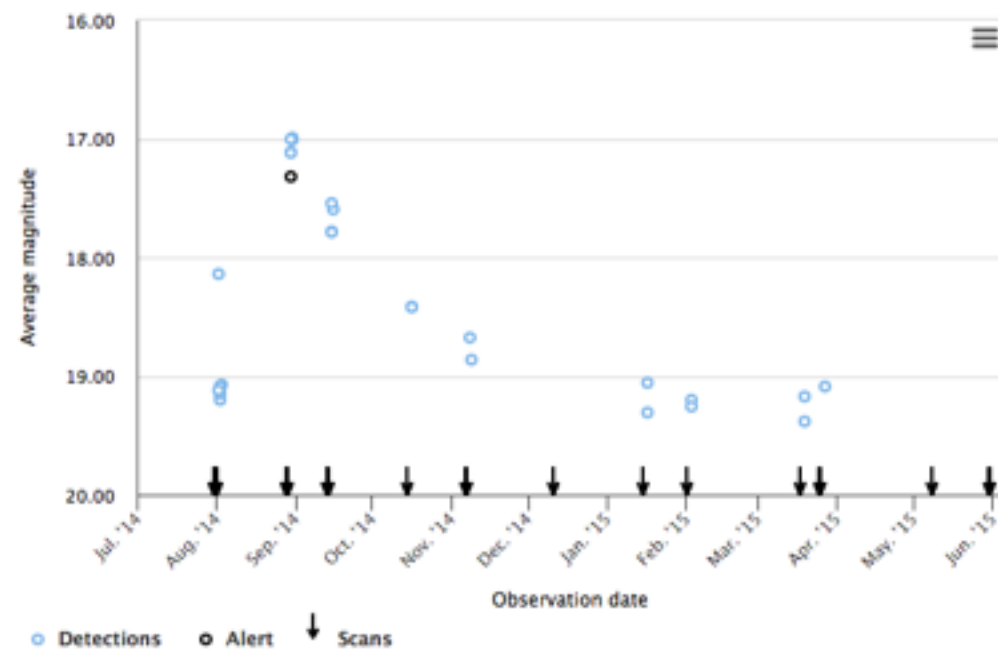
None

Comments

None

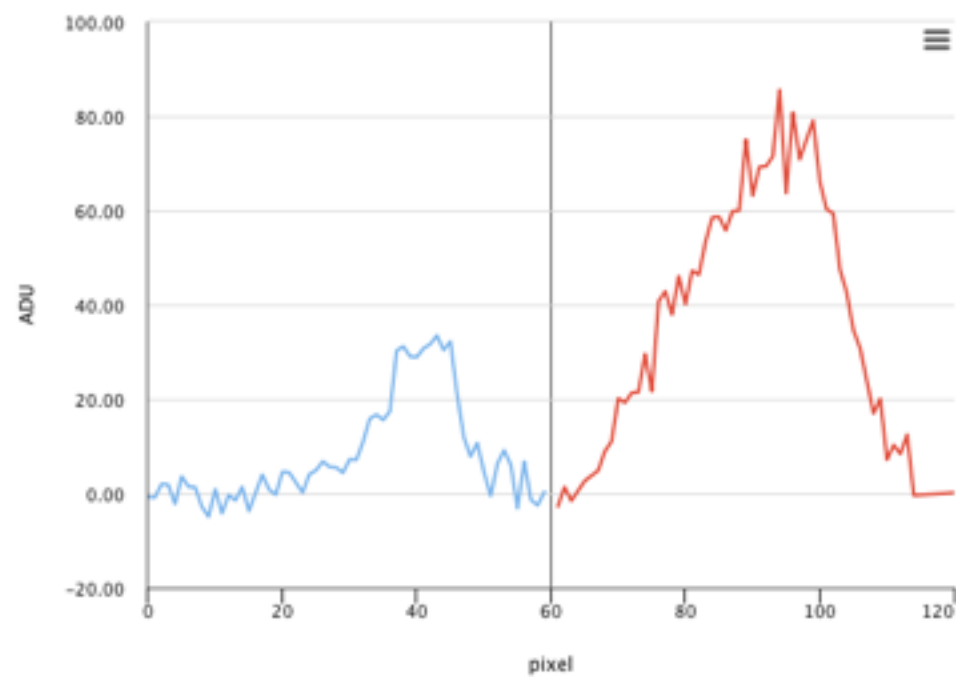
ATels

None

[Get lightcurve data](#)

Click and scroll down and select one row in the table below to display the corresponding spectrum.

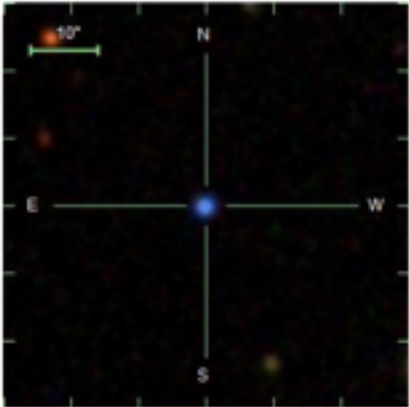
Date	JD	Average Mag.
2014-08-01 18:04:47	2456871.25	18.29
2014-08-02 07:51:49	2456871.83	19.06
2014-08-30 00:35:54	2456899.52	17.28
2014-08-30 02:22:28	2456899.60	17.32
2014-08-30 06:36:08	2456899.78	17.26
2014-08-30 08:22:43	2456899.85	17.32
2014-09-15 00:47:42	2456915.53	17.99
2014-09-15 02:34:16	2456915.61	18.06



Gaia14aae

<< previous next >>

DetailsFollow-up



Other surveys detections
ASASSN-14cn (0.55 arcsec)
Comments
ATels
6593

RA - DEC
242.89156 63.14217
16:11:34.0 63:08:31.8

Alerting date
2014-08-11 13:43:26

Julian date
2456881.07

Alerting magnitude
16.04

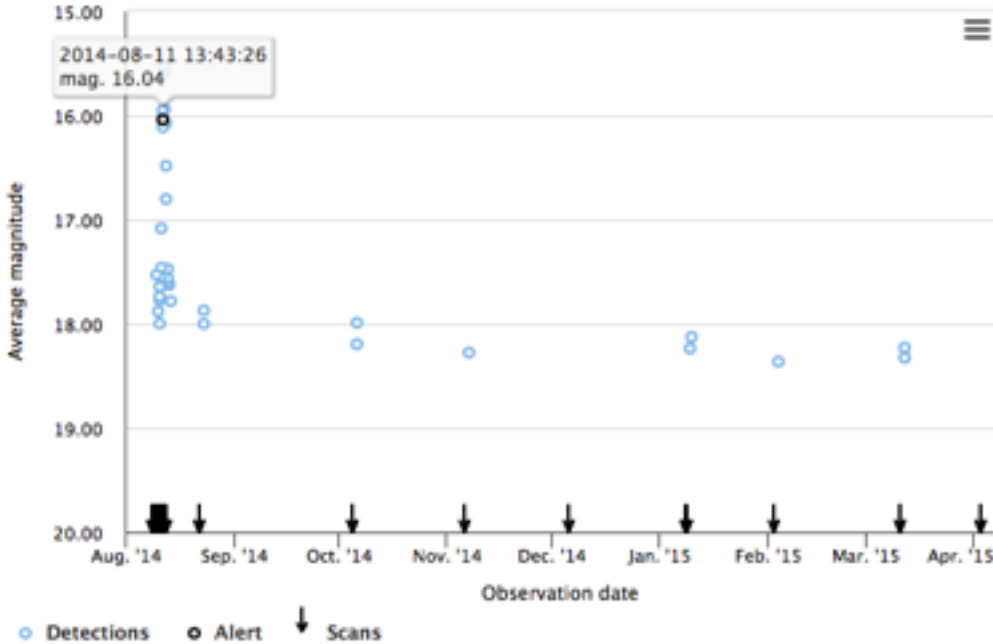
Historic magnitude
17.56

Historic StdDev
0.20

Class
CV

Publication date
not available

Average magnitude



Observation date

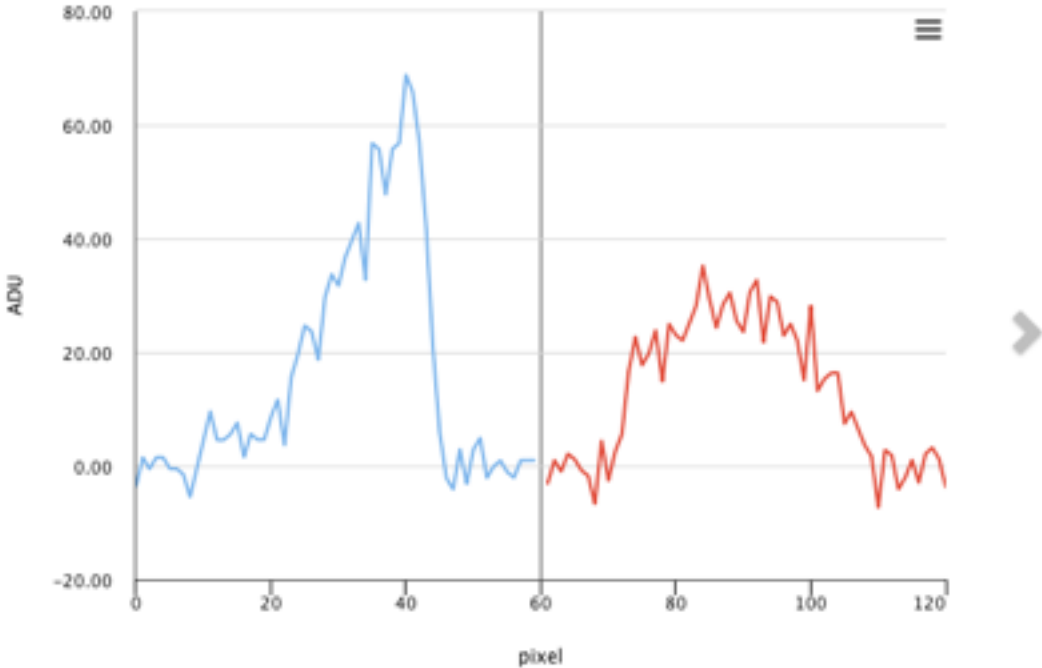
○ Detections ○ Alert ↓ Scans

Get lightcurve data

Click and scroll down and select one row in the table below to display the corresponding spectrum.

Date	JD	Average Mag.
2014-08-10 00:42:01	2456879.53	17.69
2014-08-10 12:42:29	2456880.03	17.90
2014-08-10 14:29:04	2456880.10	17.88
2014-08-10 20:29:18	2456880.35	17.76
2014-08-11 00:42:58	2456880.53	17.66
2014-08-11 02:29:32	2456880.60	17.76
2014-08-11 08:29:46	2456880.85	17.19
2014-08-11 12:43:26	2456881.03	16.06

ADU



pixel

2015 - Institute of Astronomy, University of Cambridge, UK

Gaia Alerts Search

Please enter a **Gaia name** or a **position** to execute the search:

Gaia Name

Right Ascension (Deg.)

Declination (Deg.)

Search radius (Deg.)

Obs. time range

to

Alert Magnitude

Classification

Order by

Submit

Surveys and Telegrams Search

Please enter **RA** and **Dec** in **degrees** to execute the search. Maximum radius of search **1 degree**.

Right Ascension

degrees

Declination

degrees

Search radius

degrees

Type

Order by

Submit

[* Surveys and Telegrams Credits](#)

Alerts Publisher

Restricted/Publishing Area

- ▶ Publishing workflow
- ▶ Alert candidate crossmatch against:
 - Other surveys
 - Astronomer's Telegrams (ATels)
 - Solar System Bodies: SkyBot
- ▶ Filtering functionalities
- ▶ Versioning system

Gaia Alerts Administration

Username:

Password:

Log in

✓ Last update of surveys table 2015-09-04T17:10:31

Site administration

Appublish

[Ap alert candidates](#)

[Change](#)

[Publications](#)

[+ Add](#) [Change](#)

[Sk alert candidates](#)

[Change](#)

Authentication and Authorization

[Groups](#)

[+ Add](#) [Change](#)

[Users](#)

[+ Add](#) [Change](#)

Recent Actions

My Actions

None available

Update Surveys Database:

[Update](#)

Select publication to change

Recover deleted publications

Add publication +

<input type="text"/> Search												Filter
2014 2015												By run
Action: <input type="text"/> Go 0 of 100 selected												All
<input type="checkbox"/>	Id	Name 2 ▾	Run	Source	ApAlert	SkAlert	Publishable 1 ▲	Obstime 3 ▾	Ra	Dec		358
<input type="checkbox"/>	393	Gaia1Sagm	512	6532593459912024704	52092339	(None)	✓	June 1, 2015, 2:51 p.m.	358.98623	-43.72412		363
<input type="checkbox"/>	395	Gaia1Sagl	513	6595021685732077056	52232417	(None)	✓	June 1, 2015, 8:34 p.m.	337.79327	-37.82735		370
<input type="checkbox"/>	394	Gaia1Sagk	514	6521001033959345024	52279396	(None)	✓	June 3, 2015, 2:38 a.m.	337.70660	-43.04732		373
<input type="checkbox"/>	392	Gaia1Sagj	514	800010913844997120	52277983	(None)	✓	June 3, 2015, 5:29 a.m.	147.74682	37.96674		374
<input type="checkbox"/>	391	Gaia1Sagi	389	464670828131767424	19004070	(None)	✓	Jan. 24, 2015, 9:32 a.m.	43.08181	60.57638		378
<input type="checkbox"/>	390	Gaia1Sagh	505	3921613880678787200	50663057	(None)	✓	May 25, 2015, 1:24 a.m.	181.02133	14.06805		379
<input type="checkbox"/>	389	Gaia1Sagg	510	4886232130561131776	51510313	(None)	✓	May 29, 2015, 3:41 p.m.	64.10105	-28.49464		381
<input type="checkbox"/>	388	Gaia1Sagf	510	6823533135793130240	51454433	(None)	✓	May 29, 2015, 8:17 a.m.	330.62236	-20.32945		384
<input type="checkbox"/>	387	Gaia1Sage	510	2965420002990272896	51425675	(None)	✓	May 29, 2015, 10 p.m.	83.48209	-20.78890		385
<input type="checkbox"/>	386	Gaia1Sagd	510	4021847319171235584	51520382	(None)	✓	May 29, 2015, 7:24 a.m.	171.57245	28.36723		388
<input type="checkbox"/>	385	Gaia1Sagc	511	4029251567911766656	51829888	(None)	✓	May 30, 2015, 7:38 a.m.	184.59674	35.61824		389
<input type="checkbox"/>	384	Gaia1Sagb	505	5755890371513434240	50800920	(None)	✓	May 24, 2015, 10:45 a.m.	134.27829	-8.72550		392
<input type="checkbox"/>	383	Gaia1Saga	509	3090430884479984256	51040528	(None)	✓	May 28, 2015, 12:32 p.m.	124.76298	2.66183		395
<input type="checkbox"/>	382	Gaia1Safz	505	2940648521413251072	50697960	(None)	✓	May 25, 2015, 5:56 a.m.	97.53616	-18.32921		397
<input type="checkbox"/>	380	Gaia1Safv	503	2898575863598811392	50057022	(None)	✓	May 21, 2015, 11:49 p.m.	95.40496	-27.84863		398

Select ap alert candidate to change

<div> <input type="text"/> <input type="button" value="Search"/> </div>						
<div> <div>Action</div> <div> <input checked="" type="checkbox"/> Promote <input type="button" value="Go"/> 1 of 100 selected </div> </div>						
Alert	Alert ID	Source ID	Obstime	Ra	Dec	
<input type="checkbox"/> 924	512	4058717371434929152	July 30, 2012, 7:57 p.m.	121.77012	21.43692	
<input checked="" type="checkbox"/> 923	512	4058717337075308160	July 30, 2012, 7:57 p.m.	203.34546	58.72538	
<input type="checkbox"/> 921	512	4058717268355869440	July 30, 2012, 7:57 p.m.	120.30573	20.41842	
<input type="checkbox"/> 920	512	4058717268355815424	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 909	512	4058716856038135424	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 903	512	4058716787318477952	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 914	512	4058716959116962432	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 896	512	4058716581159923456	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 895	512	4058716581159940992	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 902	512	4058716727188481920	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 912	512	4058716890397600000	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 913	512	4058716890397622016	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 889	512	4058716443721227264	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 887	512	4058716409361376000	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 881	512	4058716340641905152	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 880	512	4058715687806731008	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 883	512	4058716340642108416	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 879	512	4058715619087484288	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 857	512	4058693010417545984	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 848	512	4058692666820145792	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 869	512	4058715447288388224	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 870	512	4058715481648291200	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 877	512	4058715584727837312	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 876	512	4058715584727735424	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 850	512	4058692735501275904	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 844	512	4058692529381205248	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 841	512	4058692529381175296	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 836	512	4058692391942136192	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 834	512	4058692391942078848	July 30, 2012, 7:57 p.m.	0.0	0.0	
<input type="checkbox"/> 816	512	4058691842148062080	July 30, 2012, 7:57 p.m.	0.0	0.0	

✔ No matches in surveys

Recover deleted publications

Add publication +

												Filter
<input type="text"/> Search												By run
2012 2014 2015												All
Action: <input type="text"/> Go 0 of 100 selected												358
<input type="checkbox"/>	Id	Name 2 ▾	Run	Source	ApAlert	SkAlert	Publishable 1 ▲	Obstime 3 ▼	Ra	Dec		
<input type="checkbox"/>	(None)		512	4058717371434929152	924	(None)	❌	July 30, 2012, 7:57 p.m.	121.77012	21.436	363	
<input type="checkbox"/>	393	Gaia15agm	512	6532593459912024704	52092339	(None)	✅	June 1, 2015, 2:51 p.m.	358.98623	-43.72	370	
<input type="checkbox"/>	395	Gaia15agl	513	6595021685732077056	52232417	(None)	✅	June 1, 2015, 8:34 p.m.	337.79327	-37.82	373	
<input type="checkbox"/>	394	Gaia15agk	514	6521001033959345024	52279396	(None)	✅	June 3, 2015, 2:38 a.m.	337.70660	-43.04	374	
<input type="checkbox"/>	392	Gaia15agj	514	800010913844997120	52277983	(None)	✅	June 3, 2015, 5:29 a.m.	147.74682	37.966	378	
<input type="checkbox"/>	391	Gaia15agi	389	464670828131767424	19004070	(None)	✅	Jan. 24, 2015, 9:32 a.m.	43.08181	60.576	379	
<input type="checkbox"/>	390	Gaia15agh	505	3921613880678787200	50663057	(None)	✅	May 25, 2015, 1:24 a.m.	181.02133	14.068	381	
<input type="checkbox"/>	389	Gaia15agg	510	4886232130561131776	51510313	(None)	✅	May 29, 2015, 3:41 p.m.	64.10105	-28.49	384	
<input type="checkbox"/>	388	Gaia15agf	510	6823533135793130240	51454433	(None)	✅	May 29, 2015, 8:17 a.m.	330.62236	-20.32	385	
<input type="checkbox"/>	387	Gaia15age	510	2965420002990272896	51425675	(None)	✅	May 29, 2015, 10 p.m.	83.48209	-20.78	388	
<input type="checkbox"/>	386	Gaia15agd	510	4021847319171235584	51520382	(None)	✅	May 29, 2015, 7:24 a.m.	171.57245	28.367	389	
<input type="checkbox"/>	385	Gaia15agc	511	4029251567911766656	51829888	(None)	✅	May 30, 2015, 7:38 a.m.	184.59674	35.618	392	
<input type="checkbox"/>	384	Gaia15agb	505	5755890371513434240	50800920	(None)	✅	May 24, 2015, 10:45 a.m.	134.27829	-8.725	395	
<input type="checkbox"/>	383	Gaia15aga	509	3090430884479984256	51040528	(None)	✅	May 28, 2015, 12:32 p.m.	124.76298	2.6618	397	

Recover deleted publications Add publication +

 Search

2012	2014	2015
------	------	------

Action: 0 of 100 selected

<input type="checkbox"/>	Id	Name	2 ▾	Run	Source	ApAlert	SkAlert	Publishable	1 ▲	Obstime	3 ▾	Ra	Dec
<input type="checkbox"/>	(None)			512	4058717337075308160	923	(None)			July 30, 2012, 7:57 p.m.		203.34546	58.725
<input type="checkbox"/>	393	Gaia15agm		512	6532593459912024704	52092339	(None)			June 1, 2015, 2:51 p.m.		358.98623	-43.72
<input type="checkbox"/>	395	Gaia15agl		513	6595021685732077056	52232417	(None)			June 1, 2015, 8:34 p.m.		337.79327	-37.82
<input type="checkbox"/>	394	Gaia15agk		514	6521001033959345024	52279396	(None)			June 3, 2015, 2:38 a.m.		337.70660	-43.04
<input type="checkbox"/>	392	Gaia15agj		514	800010913844997120	52277983	(None)			June 3, 2015, 5:29 a.m.		147.74682	37.966
<input type="checkbox"/>	391	Gaia15agi		389	464670828131767424	19004070	(None)			Jan. 24, 2015, 9:32 a.m.		43.08181	60.576
<input type="checkbox"/>	390	Gaia15agh		505	3921613880678787200	50663057	(None)			May 25, 2015, 1:24 a.m.		181.02133	14.068
<input type="checkbox"/>	389	Gaia15agg		510	4886232130561131776	51510313	(None)			May 29, 2015, 3:41 p.m.		64.10105	-28.49
<input type="checkbox"/>	388	Gaia15agf		510	6823533135793130240	51454433	(None)			May 29, 2015, 8:17 a.m.		330.62236	-20.32
<input type="checkbox"/>	387	Gaia15age		510	2965420002990272896	51425675	(None)			May 29, 2015, 10 p.m.		83.48209	-20.78
<input type="checkbox"/>	386	Gaia15agd		510	4021847319171235584	51520382	(None)			May 29, 2015, 7:24 a.m.		171.57245	28.367
<input type="checkbox"/>	385	Gaia15agc		511	4029251567911766656	51829888	(None)			May 30, 2015, 7:38 a.m.		184.59674	35.618

Alerts Publisher

✓ Short-term goals



Site is public since today!

✓ Mid-term goals

1. Add followup data
2. VOEvents
3. Embed the Gaia Marshall
4. Incorporate new functionalities...

The New Gaia Alerts Interfaces

Thank you

<http://gsaweb.ast.cam.ac.uk/alerts/>

<https://gaiamarshall.ast.cam.ac.uk>

gaiamarshall@ast.cam.ac.uk