Gaia Science Alerts System

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

Gaia Science Alerts Publisher System

✓ Running since the end of 2014

✓ Incrementally adding new features

The system is aimed at:

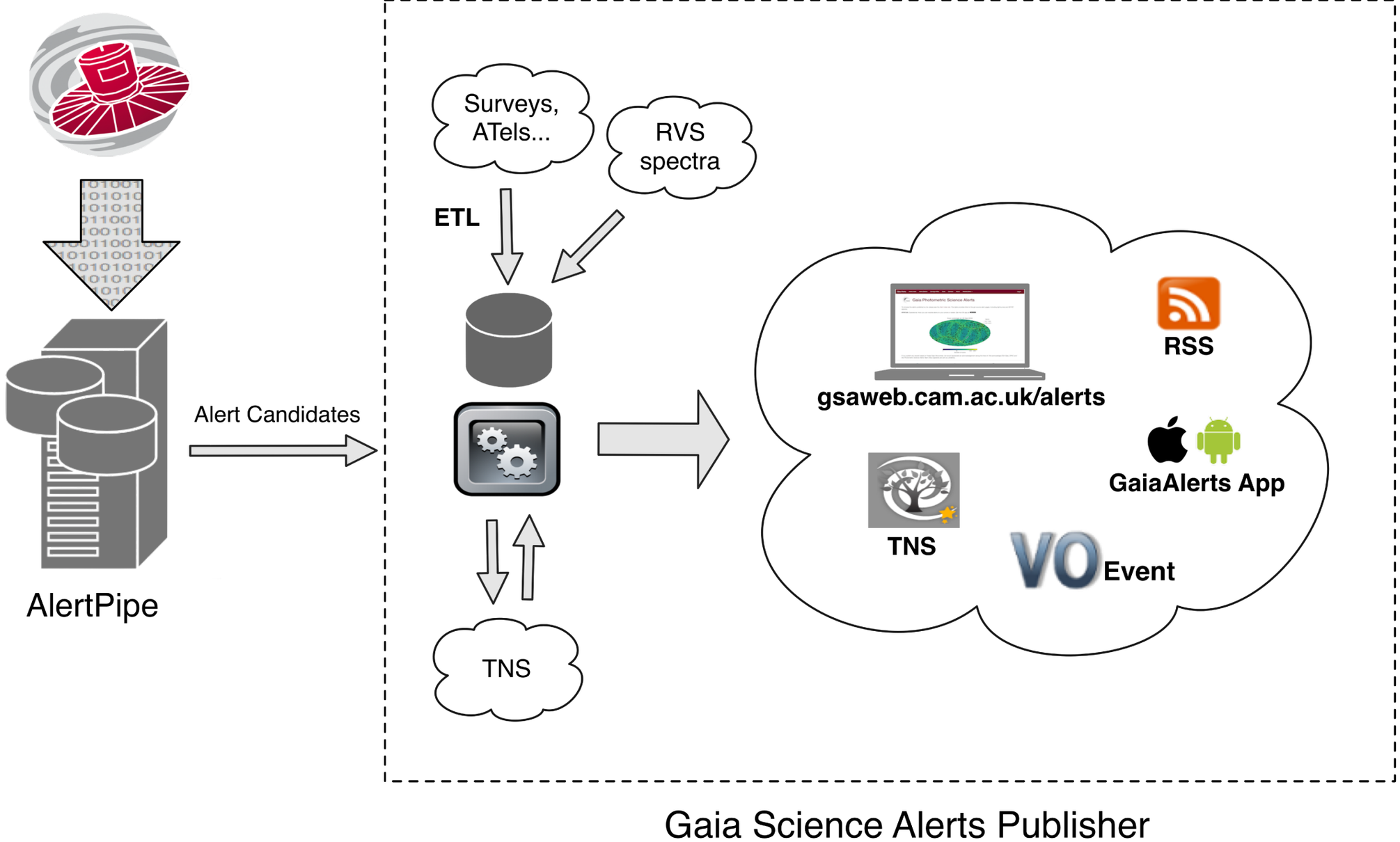
➢ Publishing alerts

➢ Visualising the alerts data on the Web

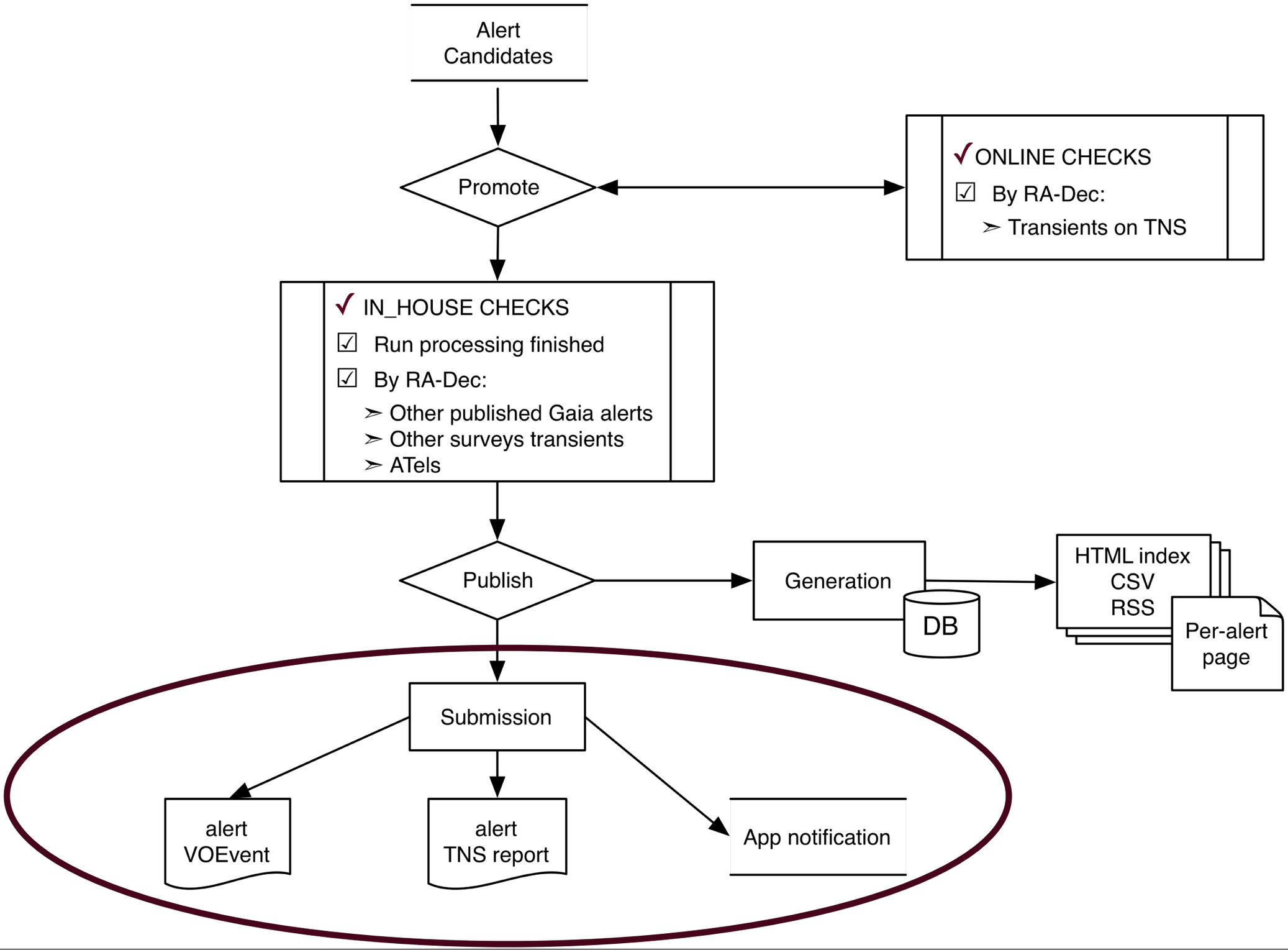
➢ Crossmatching information

➢ Meeting point to exchange follow-up data

Gaia Science Alerts Publisher System



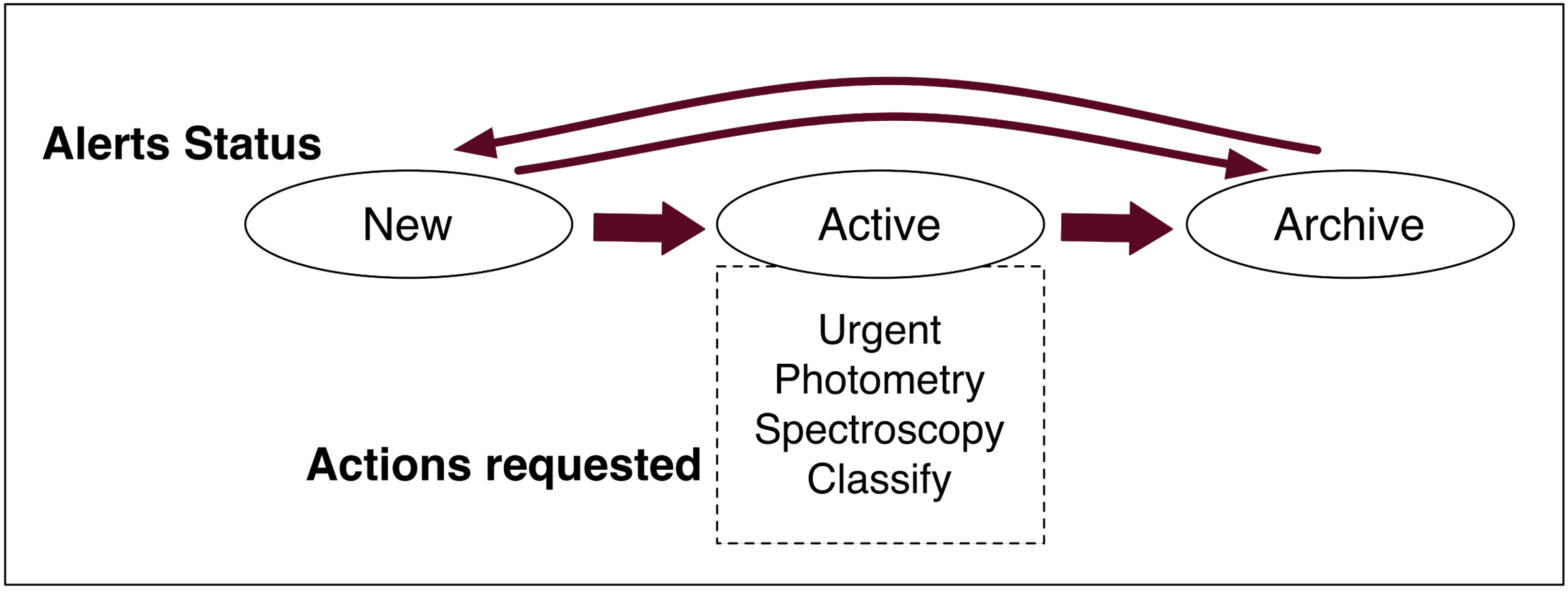
Publishing Workflow



Marshall - Alerts Followup

- ✓ Astronomers' meeting point to exchange data and comments
- ✓ Track alerts classifications and follow-up
- ✓ Different groups of users – Different access levels

Alerts Lifecycle



Gaia Science Alerts System

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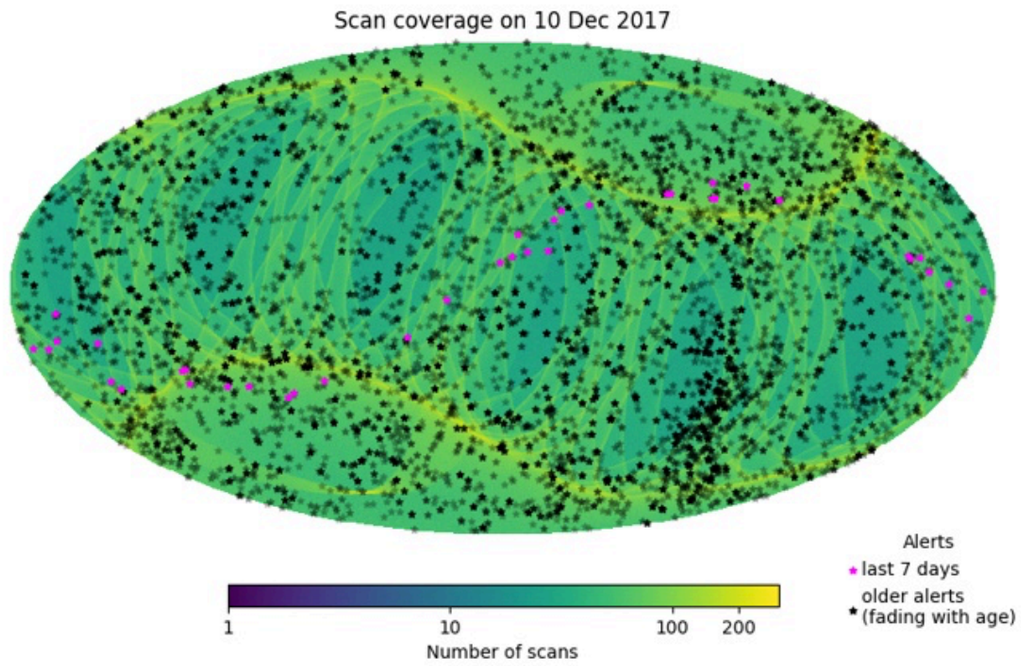
Gaia Photometric Science Alerts

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. You can receive alerts on your phone or tablet. Get the iOS app at App Store

STATUS: Operational.



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).*

2015 - Institute of Astronomy, University of Cambridge, UK

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These are all the alerts raised to date. You might wish to view or download these as a table in CSV format or using any of the tools described in this page.

See here for an explanation of the columns.

Show 10 entries Search:

Name	TNS	Observed	RA (deg.)	Dec. (deg.)	Mag.	Historic mag.	Historic scatter	Class	Published	Comment	RVS
Gaia17deu	AT2017iuj	2017-12-02 00:20:17	122.71729	-24.53622	18.06			unknown	2017-12-07 13:29:07	blue transient near Galactic Plane - candidate CV	
Gaia17det	AT2017iui	2017-12-02 04:02:56	151.62929	-16.48688	18.82			unknown	2017-12-07 13:28:15	candidate SN near DSS and PanSTARRS galaxy GS-TEC predicts SN Ia	
Gaia17des	AT2017iuh	2017-12-01 17:57:49	35.43206	-14.70503	18.76			unknown	2017-12-07 13:27:32	candidate SN near DSS and PanSTARRS galaxy	
Gaia17der	AT2017iug	2017-12-01 19:48:46	277.79337	26.74896	18.60			unknown	2017-12-07 13:26:41	candidate SN near PanSTARRS galaxy GS-TEC predicts SN Ia	
Gaia17deq	AT2017iuf	2017-12-01 19:49:38	276.75481	26.82994	18.77			unknown	2017-12-07 13:25:52	candidate SN GS-TEC predicts SN Ia	
Gaia17dep	AT2017iue	2017-12-01 09:46:20	164.04014	-7.72878	18.31			unknown	2017-12-07 13:24:54	candidate SN near galaxy LEDA 1013961	
Gaia17deo	AT2017iud	2017-12-02 10:44:44	206.41474	8.85704	18.82			unknown	2017-12-07 13:24:11	candidate SN near galaxy LEDA 1354974	
Gaia17den	AT2017igg	2017-12-02 03:23:35	184.51412	-1.05092	18.19			unknown	2017-12-07 13:23:26	Hostless transient also reported as ATLAS17nfa	
Gaia17dem	AT2017iuc	2017-12-02 00:51:33	343.24504	10.94081	18.74			unknown	2017-12-07 13:20:23	new blue source on top of a faint SDSS/PS1 galaxy. GS-TEC predicts SN Ia	
Gaia17del	AT2017iua	2017-12-04 09:46:44	171.11754	-18.35379	19.03	20.28	0.19	unknown	2017-12-06 15:15:30	Gaia source brightens by more than 1 mag	

Showing 1 to 10 of 3,949 entries

Previous 1 2 3 4 5 … 395 Next

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See here for an explanation of the columns.

Order to get RVS spectra

Show 10 entries Search:

Name	TNS	Observed	RA (deg.)	Dec. (deg.)	Mag.	Historic mag.	Historic scatter	Class	Published	Comment	RVS
Gaia17cmj	AT2017haw	2017-09-24 13:26:26	273.96540	-31.11752	13.12	12.07	0.20	unknown	2017-10-03 11:03:12	W Vir star fades by 1 mag and becomes redder	✔
Gaia17cke	AT2017gyv	2017-09-22 13:28:57	262.63035	-32.70416	16.76	18.53	0.32	CV	2017-09-30 08:35:55	red Gaia source towards Galactic centre brightens by >2 mags; strong emission lines in BP/RP	✔
Gaia17bxg	SN2017erp	2017-07-27 14:19:42	227.31168	-11.33418	14.59			SN Ia	2017-07-31 08:26:15	bright confirmed SN Ia, SN 2017erp, in Seyfert 2 galaxy NGC 5861	✔
Gaia17bmy	SN2017eaw	2017-06-08 22:38:47	308.68432	60.19329	12.87			SN IIP	2017-06-12 11:58:24	very bright confirmed SN IIP, in galaxy NGC 6946, aka SN2017eaw	✔
Gaia17azz	AT2017dbx	2017-04-13 21:02:36	105.88408	-6.62354	16.75	18.08	0.59	unknown	2017-04-16 08:15:04	>1 mag brightening of Young Stellar Object candidate	✔
Gaia17axu	SN2017bzb	2017-04-03 07:06:34	344.32216	-41.01596	13.08			SN II	2017-04-05 13:03:37	very bright candidate SN in outskirts of galaxy LCRS B225429.0-411654, aka AT 2017bzb	✔
Gaia17axt	SN2017bzc	2017-04-04 01:10:21	349.06129	-42.56960	13.33			SN Ia	2017-04-05 13:00:29	very bright candidate SN in outskirts of galaxy APMBGC 291+064-120, aka AT 2017bzc	✔
Gaia17aeq	AT2017md	2017-01-19 02:42:10	77.54588	-3.47394	15.68	13.49	0.18	unknown	2017-01-20 21:05:02	long term decline in brightness, near YSO 2MASS J05101100-0328262 (0.11 arcsec), and ASASSN -13db	✔
Gaia16bpa	AT2016hmx	2016-10-18 04:31:25	272.45945	-21.76201	16.47	15.40	0.13	unknown	2016-10-27 08:47:25	1 mag decline in red star in Galactic plane	✔
Gaia16bnz	AT2016hjn	2016-10-17 12:59:20	55.07493	49.35893	13.71	12.70	0.19	unknown	2016-10-24 13:35:18	1.3 mag decline in 13th mag blue source over >1yr	✔

Showing 1 to 10 of 3,949 entries Previous 1 2 3 4 5 … 395 Next

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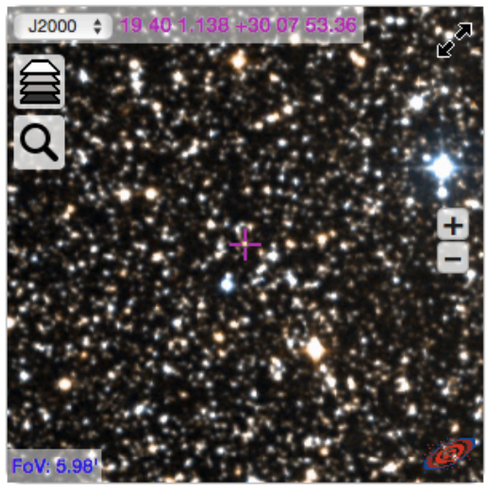
Gaia16aye

Details | Follow-up

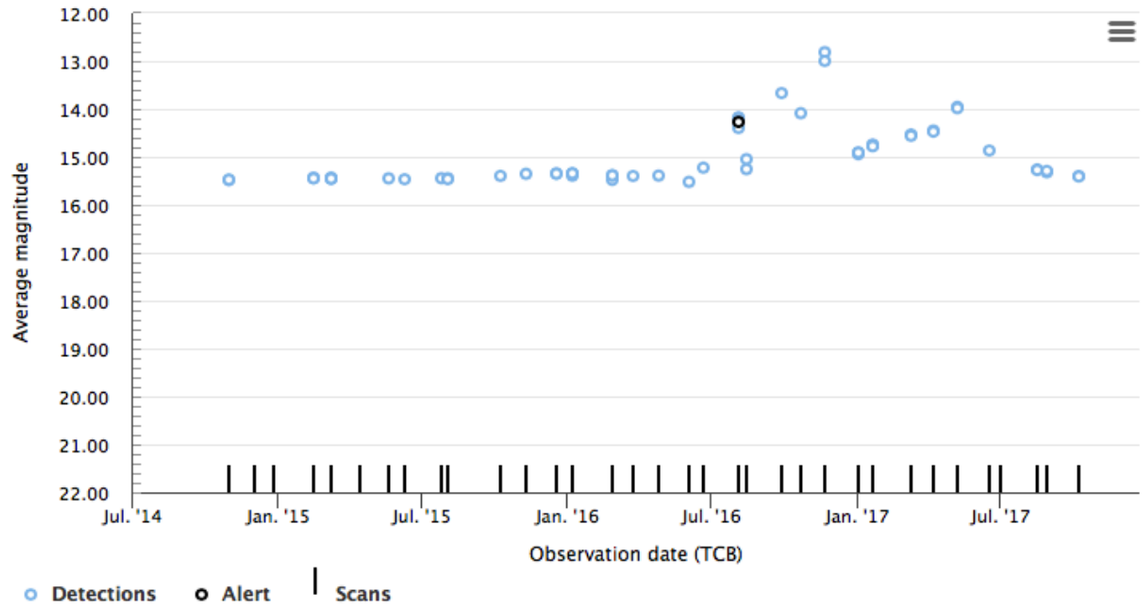


Other surveys detections
None
Comments
1.2 mag rise in red star near Galactic Plane
ATels
9376 9507 9533 9753 9770 9780 10341

TNS ID
AT2016eta

RA - DEC
295.00474 30.13149
19:40:01.14 30:07:53.36
Galactic coords.
64.99988 3.83903

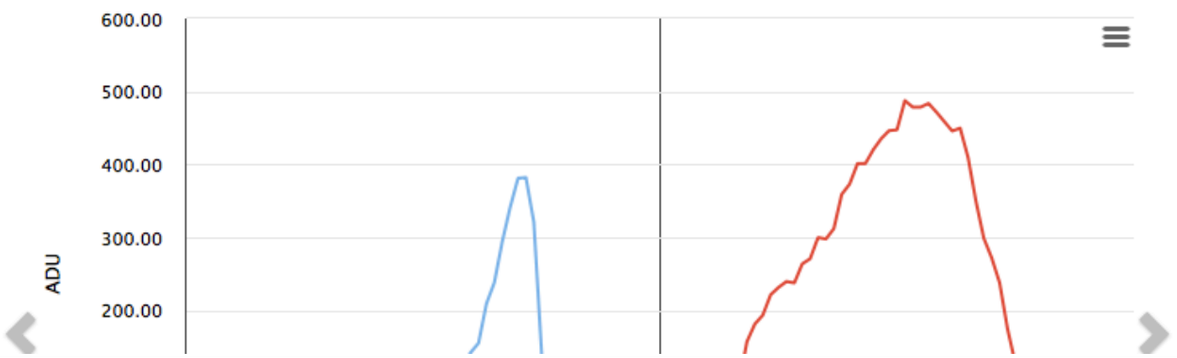
Alerting date
2016-08-05 00:53:52
Julian date
2457605.54
Alerting magnitude
14.27
Historic magnitude
15.51
Historic StdDev
0.06
Class
ULENS
Publication date
Aug. 9, 2016, 10:45 a.m.



Get lightcurve data

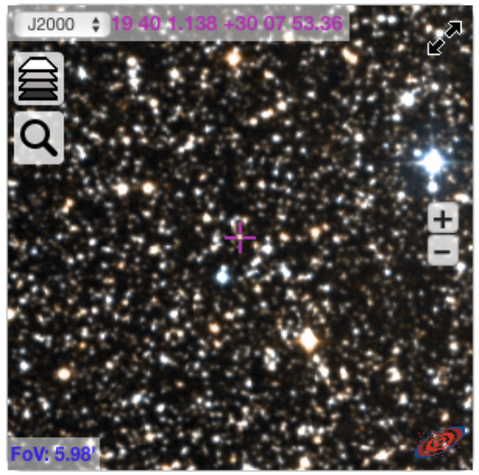
Click and scroll down and select one row in the table below to display the corresponding spectrum.

Date	JD	Average Mag.	RVS spectra
2014-10-30 20:50:59	2456961.37	15.48	
2014-10-30 22:37:33	2456961.44	15.48	
2015-02-15 14:07:43	2457069.09	15.44	



Gaia Science Alerts System

Details | Follow-up



Other surveys detections
None
Comments
1.2 mag rise in red star near Galactic Plane
ATels
9376 9507 9533 9753 9770 9780 10341

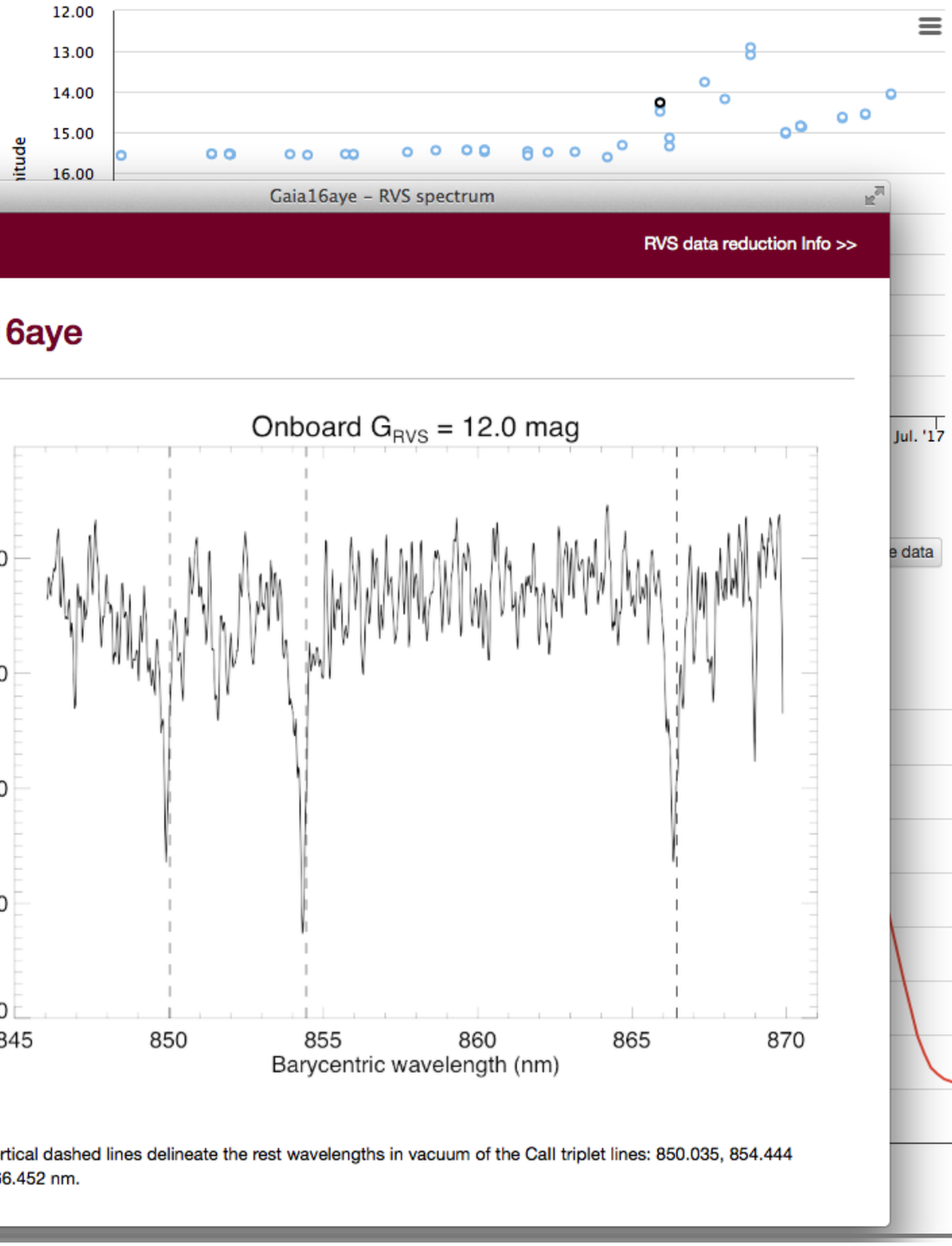
TNS ID
AT2016eta

RA - DEC
295.00474 30.13149
19:40:01.14 30:07:53.36
Galactic coords.
64.99988 3.83903

Alerting date
2016-08-05 00
Julian date
2457605.54
Alerting magn
14.27
Historic magn
15.51
Historic StdD
0.06
Class
ULENS
Publication da
Aug. 9, 2016,

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

2016-11-21 17:05:47	2457714.21	12.91	spectrum
2016-11-21 18:52:21	2457714.29	13.09	
2017-01-02 12:24:23	2457756.02	15.01	
2017-01-02 18:24:36	2457756.27	15.01	
2017-01-20 12:34:56	2457774.02	14.87	
2017-01-20 16:48:36	2457774.20	14.84	
2017-01-20 18:35:10	2457774.27	14.87	
2017-03-10 23:52:29	2457823.49	14.63	
2017-03-11 01:39:03	2457823.57	14.65	



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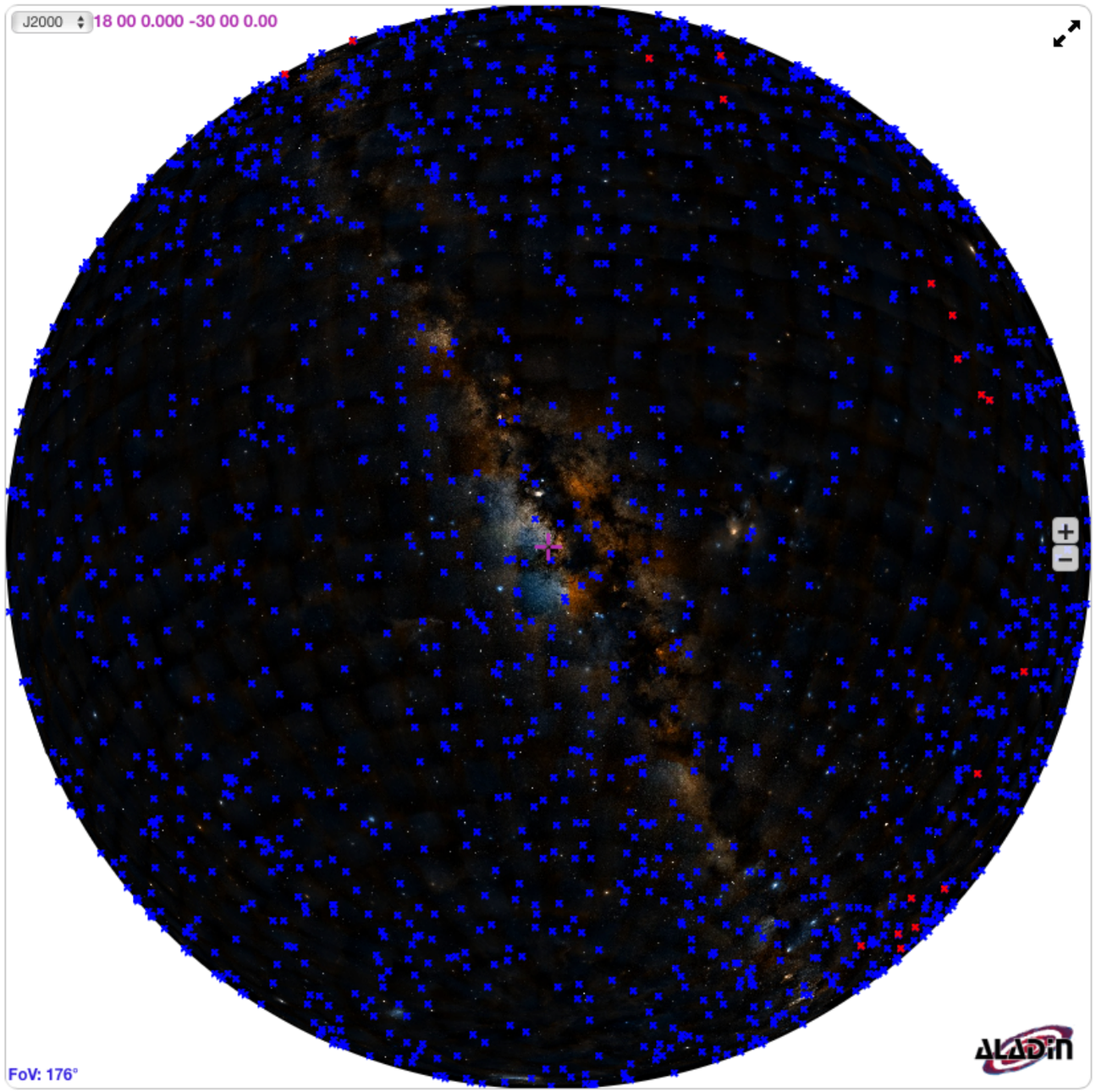
All-Sky Gaia Alerts

Restart | Export Image



Display Gaia alerts:

- [x] All Alerts X
- [x] Alerts from 7 days X

Change survey image: DSS colored

Click on an alert on the map to see the details

Name
RA-Dec

G Mag
Date
Class

Go to Gaia alert:

I.e.Gaia16aaa Go!

Go to object or position:

Object name/position Go!

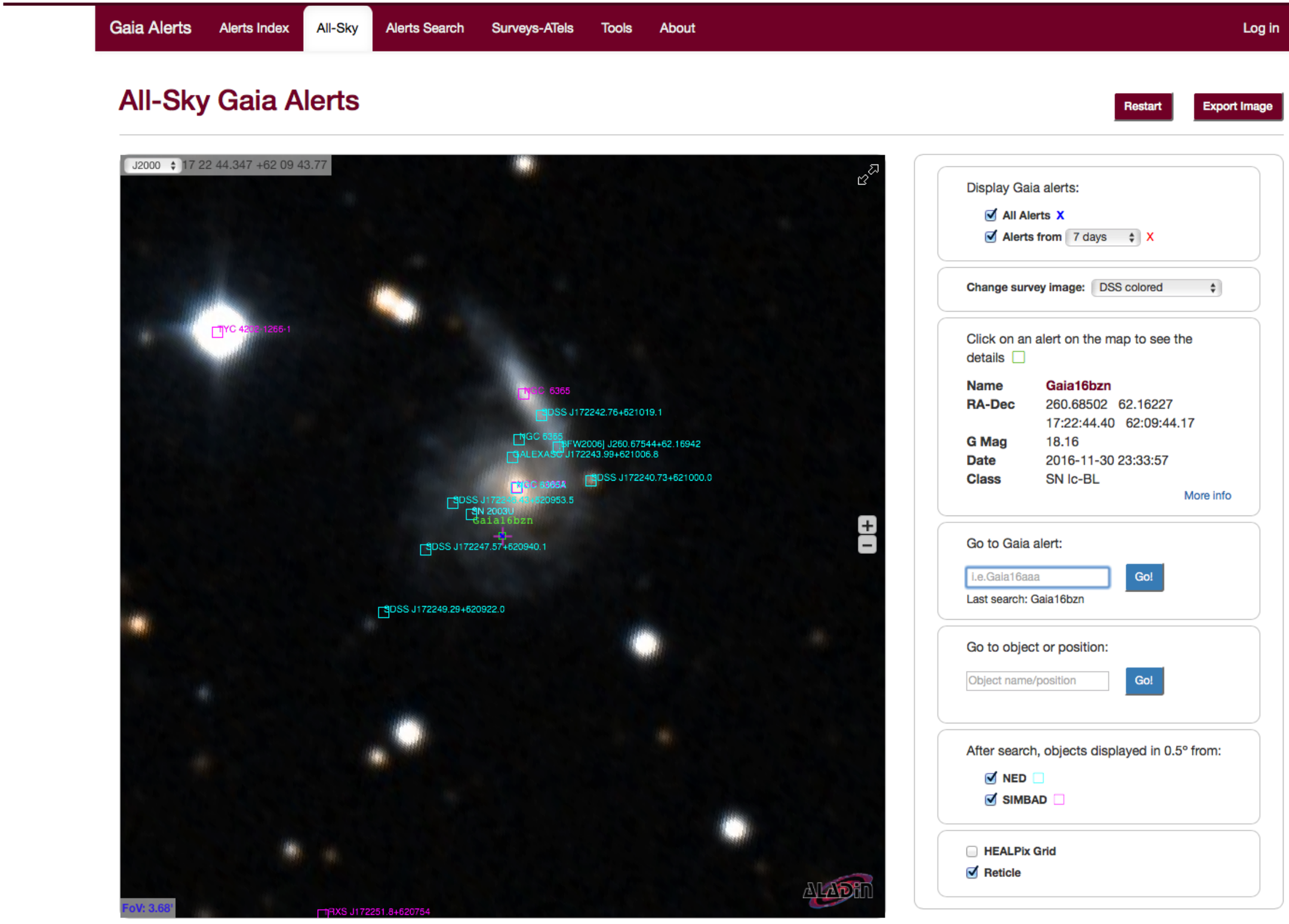
After search, objects displayed in 0.5° from:

- [x] NED
- [x] SIMBAD

- [ ] HEALPix Grid
- [x] Reticle

2015 - Institute of Astronomy, University of Cambridge, UK

Gaia Science Alerts System



Gaia Science Alerts System

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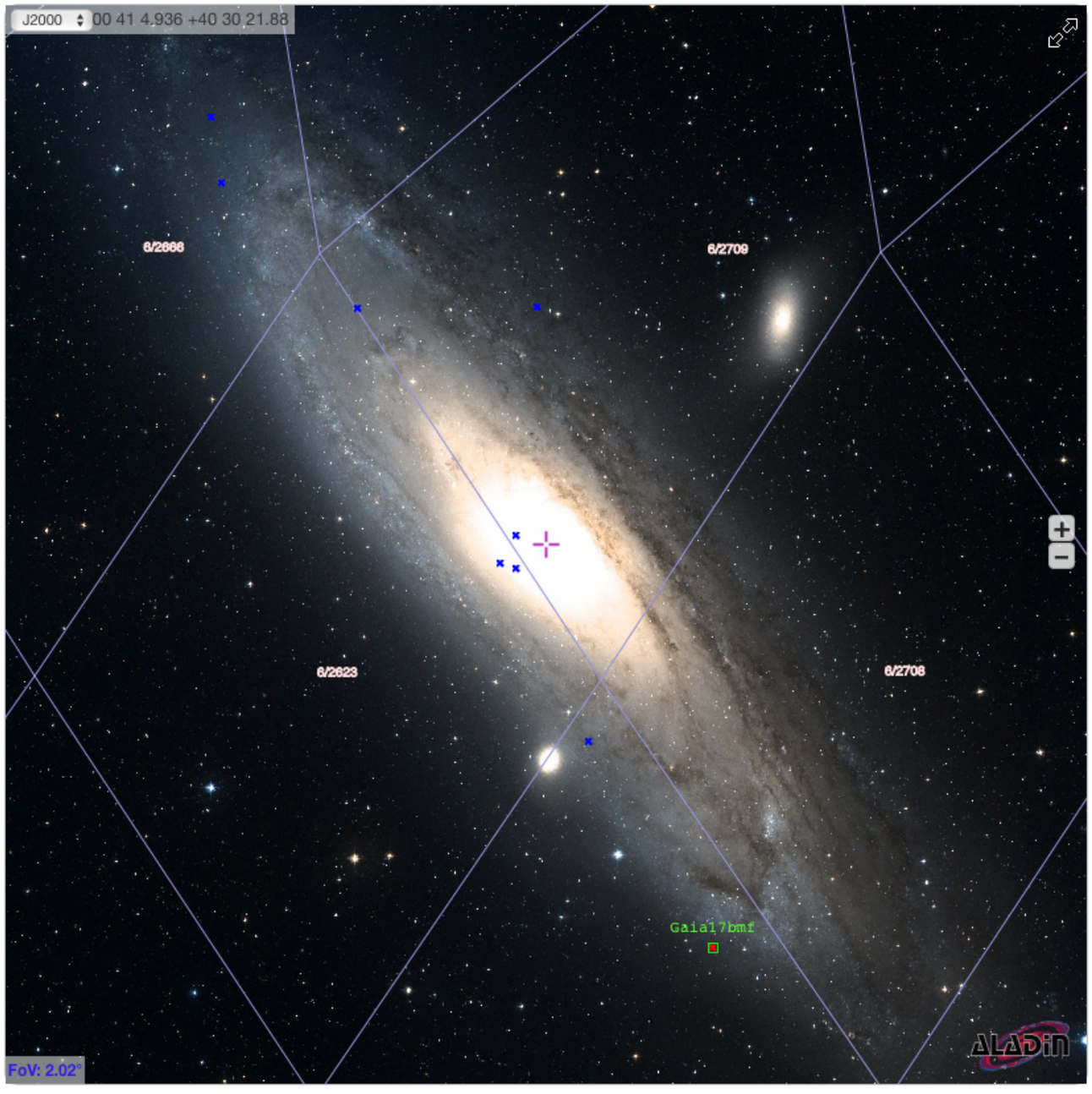
All-Sky Gaia Alerts

Restart | Export Image



Display Gaia alerts:

- [x] All Alerts X
- [x] Alerts from 7 days X

Change survey image: DSS colored

Click on an alert on the map to see the details

Name	Gaia17bmf
RA-Dec	10.27264 40.51297
	00:41:05.43 40:30:46.69
G Mag	17.4
Date	2017-06-08 05:15:56
Class	unknown

More info

Go to Gaia alert:

i.e.Gaia16aaa Go!

Go to object or position:

Object name/position Go!

Last search: 10.68 41.27 (M31)

After search, objects displayed in 0.5° from:

- [ ] NED
- [ ] SIMBAD

- [x] HEALPix Grid
- [x] Reticle

Gaia Science Alerts System

Surveys and Telegrams Search

Please enter **RA and Dec in degrees** to execut

See Surveys and Telegrams Credits for more inf

Right

Declir

Searc

Type

Order

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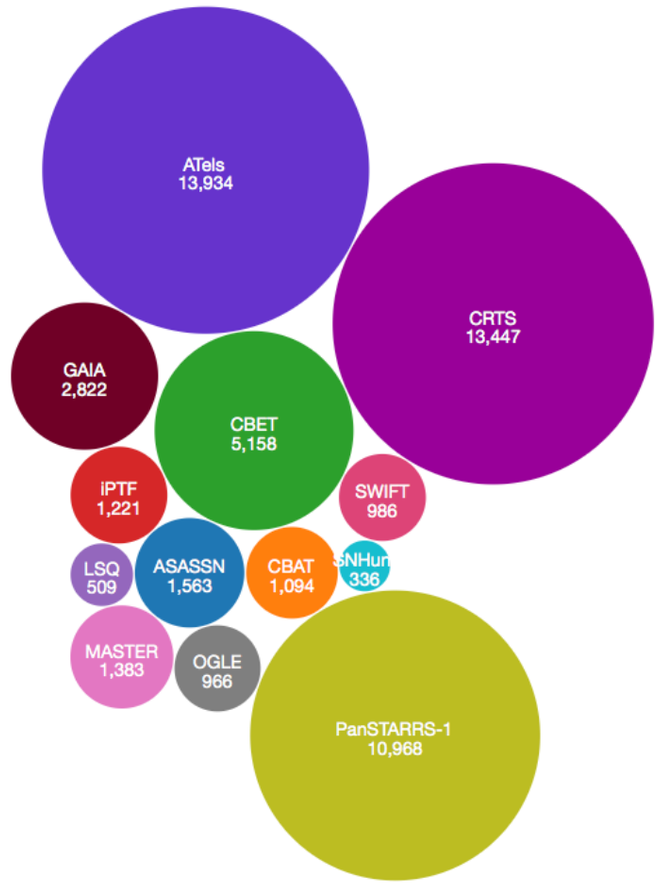
Surveys and Telegrams Credits

Transient Surveys

- Catalina Real-Time Transients Survey (CRTS)
  - SN -> CSS - MLS - SSS
  - CV -> CSS - MLS - SSS
  - SN or CV -> CSS - MLS - SSS
  - Other -> CSS - MLS - SSS
  - Blazer -> CSS - MLS - SSS
  - AGN -> CSS - MLS - SSS
  - Asteroids -> CSS - MLS - SSS
  - Supernova Hunt Discoveries
- All-Sky Automated Survey for Supernvae (ASAS-SN)
  - ASAS-SN transient list
- IAU Central Bureau for Astronomical Telegrams
  - CBAT transient list
- The Pan-STARRS Survey for Transients (PS1)
  - PS1 transient list
- OGLE-IV Transients Detection System (OGLE)
  - OGLE transient list
- MASTER Global Robotic Net (MASTER)
  - MASTER transient list
- Intermediate Palomar Transient Survey (iPTF)
- La Silla Quest (LSQ)
- Weizmann Interactive Supernova data REPository

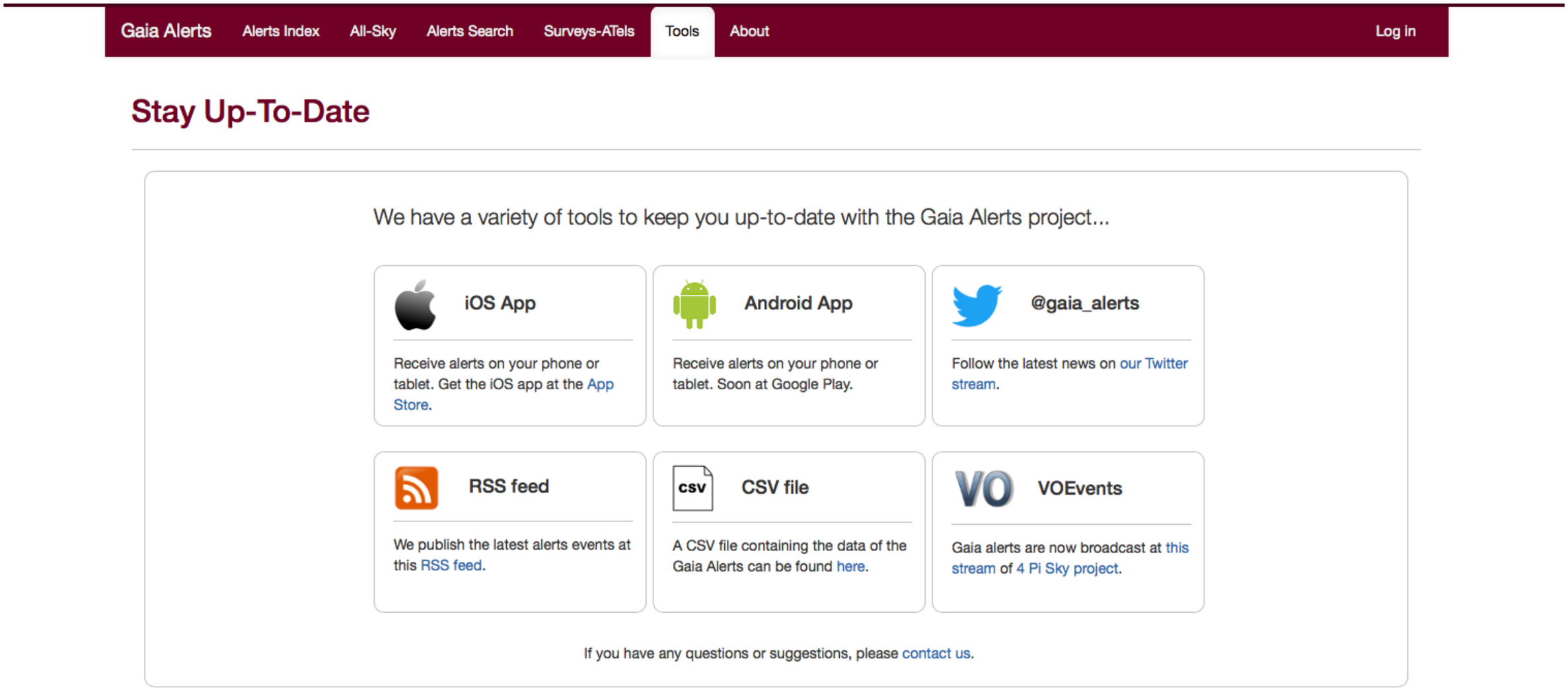


The chart shows the transient surveys collected on Gaia Science Alerts database and the number of unique objects of each survey.

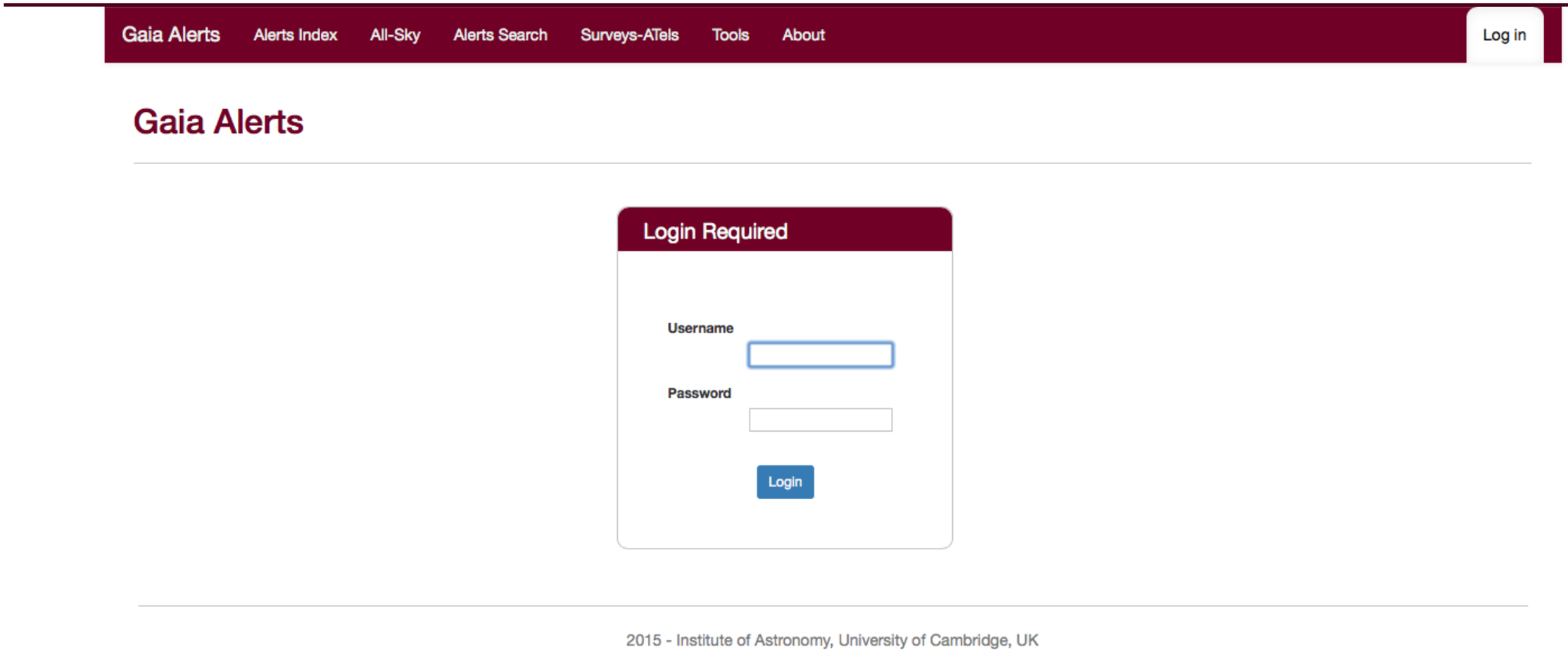
Astronomical Telegrams

- IAU Central Bureau for Astronomical Telegrams (CBAT)

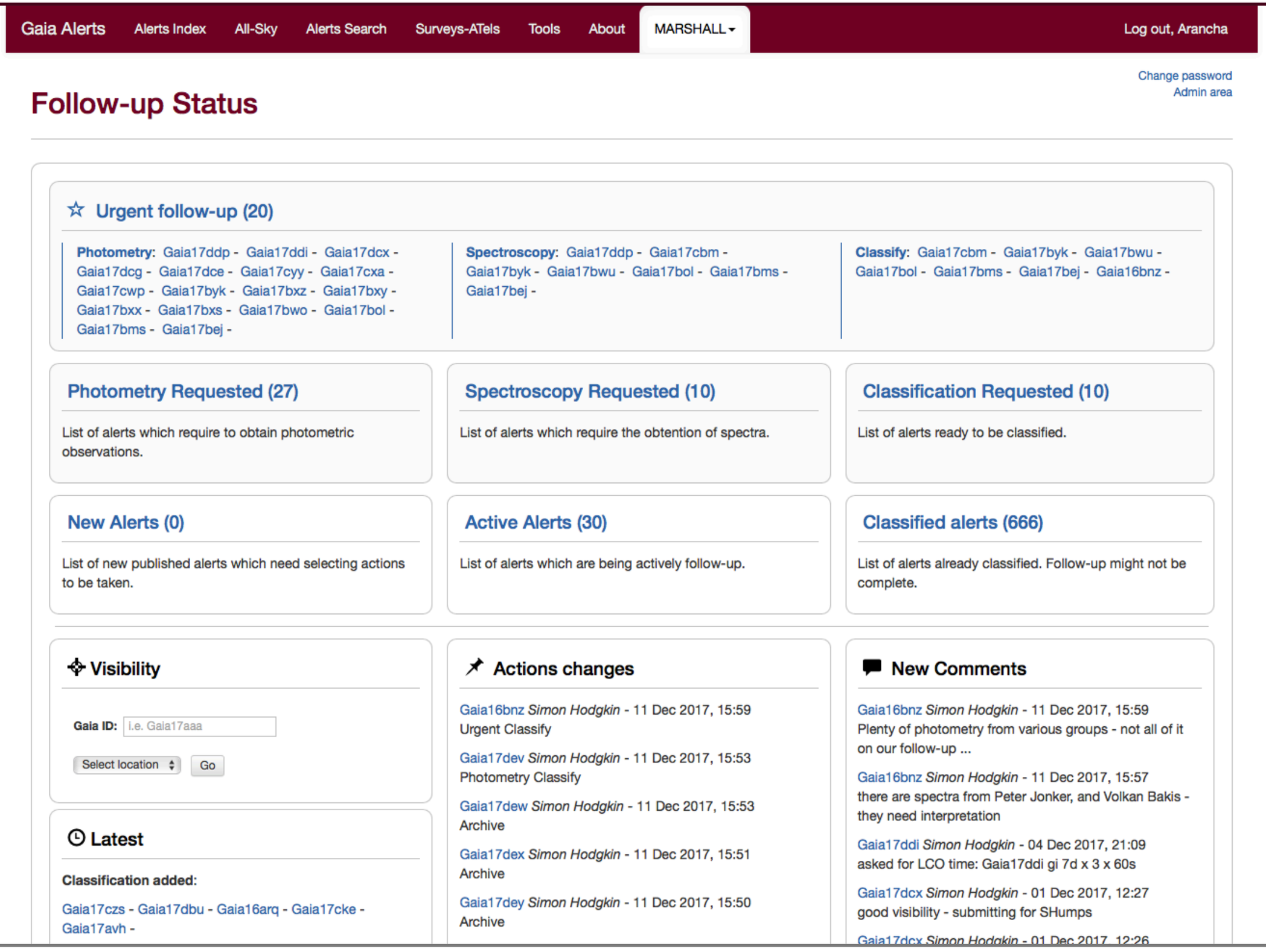
Gaia Science Alerts System



Gaia Science Alerts System



Gaia Science Alerts System



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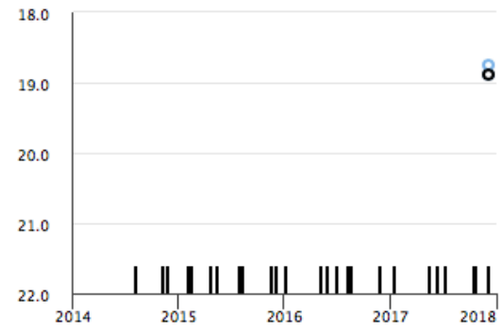
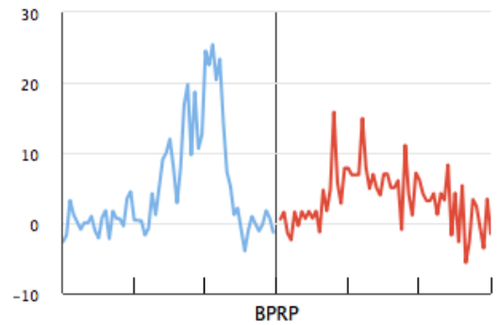
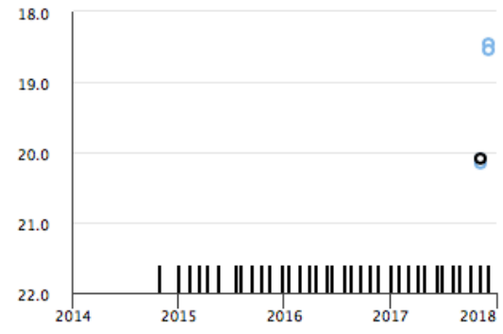
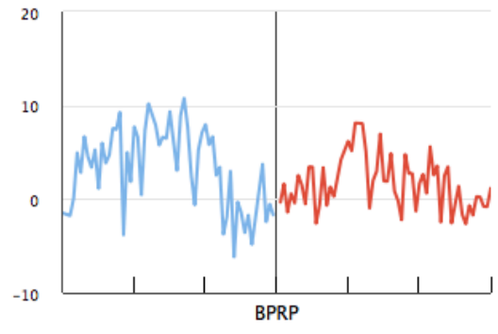
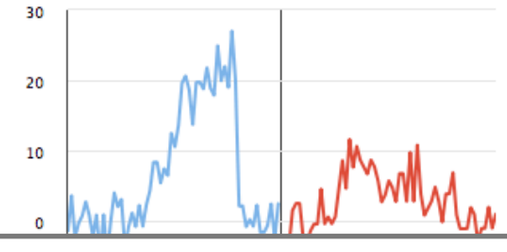
New Alerts

Show 10 entries Search:

Name	Details	Lightcurve	Alerting Spectrum	Request Actions
Gaia17dff	candidate SN near emission-line galaxy 2MASX J10462739-3302221 GS-TEC predicts SN Ia **RA-Dec** 161.61224 -33.03945 **Galactic** 274.76255 22.90693 **Alerting mag.** 18.88 **Alerting date** 2017-12-06 11:50:20 **Classification** unknown SDSS - SIMBAD - VizieR - NED - CRTS **Visibility:** Select location Go			Enter comment... Urgent Photometry Spectroscopy Classify Archive Change
Gaia17dfe	hostless transient, declining, near extended faint PanSTARRS source **RA-Dec** 265.82467 35.46505 **Galactic** 60.55878 28.48422 **Alerting mag.** 20.09 **Alerting date** 2017-11-11 13:58:39 **Classification** unknown SDSS - SIMBAD - VizieR - NED - CRTS **Visibility:** Select location Go			Enter comment... Urgent Photometry Spectroscopy Classify Archive Change
Gaia17dfd	candidate SN near DSS blob, GS-TEC predicts SN Ia **RA-Dec** 77.16251 -33.52314 **Galactic** 236.43503 -34.99786 **Alerting mag.** 18.78 **Alerting date** 2017-12-06 19:05:12 **Classification** unknown			Enter comment... Urgent Photometry Spectroscopy Classify

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Active Alerts

Show 10 entries Search:

Name	RA	Dec	Alerting Time	Alert Mag.	Last Detection	Last Detection Mag.	Class	Visibility	Requested Actions
Gaia17dev	214.78860	6.05789	2017-12-05 16:41:40	18.61	2017-12-06 02:55:37	18.87	unknown	Select observatory: Select location Go	Enter comment... Urgent Photometry Spectroscopy Classify Archive Change
Gaia17ddp	293.58517	28.20143	2017-12-02 19:37:02	15.83	2017-12-02 21:23:36	15.84	unknown	Select observatory: Select location Go	Enter comment... Urgent Photometry Spectroscopy Classify Archive Change
Gaia17ddi	295.10007	28.10117	2017-12-02 19:35:49	18.45	2017-12-02 21:22:23	18.48	unknown	Select observatory: Select location Go	Enter comment... Urgent Photometry Spectroscopy Classify Archive

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Classified Alerts

Show 25 entries Search:

Name	TNS	RA	Dec	Alerting Time	Alert Mag.	Classification
Gaia17ddt	SN2017hdt	20.40389	-3.59318	2017-12-03 06:16:48	18.06	SN Ia
Gaia17ddn	SN2017hpi	123.93079	-28.85546	2017-11-02 10:54:15	15.29	SN II
Gaia17ddl	SN2017hqc	350.78415	10.64771	2017-12-02 18:46:20	18.13	SN Ia
Gaia17ddk	SN2017hrn	356.49530	9.26632	2017-12-03 00:41:34	18.62	SN Ia-pec
Gaia17ddj	SN2017gww	0.95506	7.46675	2017-12-03 06:37:31	17.82	SN II
Gaia17ddh	AT2017isf	106.63966	-23.19384	2017-11-30 18:34:48	19.15	QSO
Gaia17dde	SN2017gvp	355.44495	-1.35092	2017-11-30 12:35:05	18.40	SN Ia
Gaia17dda	AT2017irz	1.55788	-6.39317	2017-11-30 00:27:32	18.60	BL Lac
Gaia17dcu	SN2017hfw	7.62252	-8.78027	2017-11-30 00:21:38	18.43	SN Ic
Gaia17dck	SN2017iez	23.30516	-17.52549	2017-11-29 00:04:26	17.45	SN Ia
Gaia17dcj	SN2017hcc	0.96079	-11.47461	2017-11-28 18:24:47	13.48	SN IIn
Gaia17dch	SN2017ijw	318.47072	2.22027	2017-11-27 19:03:25	17.62	SN Ia
Gaia17dcf	SN2017ihf	40.91920	-24.19801	2017-11-27 13:32:54	18.54	SN Ib
Gaia17dby	SN2017gir	24.93691	-23.25477	2017-11-27 05:59:51	18.53	SLSN
Gaia17dbu	SN2017ipa	99.49229	-15.36683	2017-11-26 18:36:34	18.34	SN II
Gaia17dbt	SN2017ggv	343.61968	-13.53084	2017-11-26 18:35:55	18.94	SN IIn
Gaia17dbj	SN2017ihg	147.33084	10.53506	2017-11-25 21:51:15	18.54	SN Ia
Gaia17dap	AT2017ict	6.25763	-37.98494	2017-11-22 06:06:59	18.87	SN Ia
Gaia17daj	AT2017hxj	359.50296	-41.53403	2017-11-21 06:09:56	17.67	SN II
Gaia17dab	SN2017hgz	327.08385	-34.95289	2017-10-21 02:45:33	15.07	SN Ia
Gaia17czs	SN2017ijq	111.07180	10.26661	2017-11-20 12:06:25	18.52	SN Ia
Gaia17czr	SN2017hyh	107.67115	6.46147	2017-11-20 16:25:24	16.51	SN IIb
Gaia17czn	AT2017ijf	91.92036	-6.40133	2017-11-19 06:31:27	18.59	YSO
Gaia17czd	SN2017ige	186.38435	50.03569	2017-11-19 04:46:27	16.95	SN Ia
Gaia17cyk	SN2017hrq	65.06200	-43.82338	2017-11-15 17:23:48	16.14	SN IIn

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Gaia Science Alerts System

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Photometry Requested

To export this list in CSV format, please click here

Show 10 entries Search:

Urgent	Name	RA	Dec	Alerting Time	Alert Mag.	Last Detection (G band)	Last Detection Mag (G band)	Classification	Visibility
Yes	Gaia17bwo	254.30856	-54.41029	2017-07-25 13:33:24	15.62	2017-07-25 03:19:58	15.63	unknown	Select location Go
Yes	Gaia17byk	258.79764	-33.04356	2017-08-01 13:55:36	18.29	2017-09-21 09:16:14	18.64	unknown	Select location Go
Yes	Gaia17dcg	132.98547	-2.64016	2017-11-27 05:59:00	17.34	2017-11-27 10:12:41	17.32	unknown	Select location Go
Yes	Gaia17cyy	286.41085	-18.84244	2017-11-17 07:02:58	15.23	2017-11-17 08:49:32	15.24	unknown	Select location Go
Yes	Gaia17dcx	103.41826	-21.07602	2017-11-29 18:36:47	17.48	2017-11-29 10:50:28	17.52	unknown	Select location Go
Yes	Gaia17cwp	298.05665	-62.34848	2017-11-12 18:18:28	17.07	2017-11-12 08:05:02	17.07	unknown	Select location Go
Yes	Gaia17bol	301.06550	29.24992	2017-06-16 22:44:12	18.79	2017-12-03 09:18:24	19.13	unknown	Select location Go
Yes	Gaia17bxx	262.99308	-43.22630	2017-07-31 13:44:24	16.39	2017-07-31 09:31:11	16.50	unknown	Select location Go
Yes	Gaia17bms	322.08385	55.47996	2017-06-09 22:47:01	16.68	2017-11-03 02:27:59	18.32	unknown	Select location Go
Yes	Gaia17dce	302.91748	9.31264	2017-11-27 19:18:55	16.67	2017-11-27 09:05:28	16.68	unknown	Select location Go

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Urgent Follow-up

Here is the list of alerts to urgently follow-up and the required actions per objects. For going directly to the lists of alerts that require an specific observational technique, please click on the following links: **Urgent Photometry** - **Urgent Spectroscopy** - **Urgent Classification**

Show 10 entries

Search:

Name	Actions	RA	Dec	Alerting Time	Alert Mag.	Last Detection	Last Detection Mag.	Classification	Predicted
Gaia17cbm	Spectroscopy Classify	275.22851	-12.87484	2017-08-11 08:08:17	18.44	2017-11-13 02:11:28	19.81	unknown	-
Gaia17bwu	Spectroscopy Classify	249.08595	-46.09631	2017-07-27 01:07:56	16.41	2017-09-18 03:09:20	17.21	unknown	-
Gaia17bol	Photometry Spectroscopy Classify	301.06550	29.24992	2017-06-16 10:06:12	18.79	2017-12-03 09:12:24	19.13	unknown	-
Gaia17byk	Photometry Spectroscopy Classify	258.79764	-33.04356	2017-08-01 01:08:36	18.29	2017-09-21 09:09:14	18.64	unknown	-
Gaia17bej	Photometry Spectroscopy Classify	274.25440	-31.38352	2017-05-07 02:05:36	14.60	2017-11-10 08:11:50	17.41	unknown	-
Gaia17bms	Photometry Spectroscopy Classify	322.08385	55.47996	2017-06-09 10:06:01	16.68	2017-11-03 02:11:59	18.32	unknown	-
Gaia17ddp	Photometry Spectroscopy	293.58517	28.20143	2017-12-02 07:12:02	15.83	2017-12-02 09:12:36	15.84	unknown	-
Gaia17ddi	Photometry	295.10007	28.10117	2017-12-02 07:12:49	18.45	2017-12-02 09:12:23	18.48	unknown	-
Gaia17bwo	Photometry	254.30856	-54.41029	2017-07-25 01:07:24	15.62	2017-07-25 03:07:58	15.63	unknown	-
Gaia17cwp	Photometry	298.05665	-62.34848	2017-11-12 06:11:28	17.07	2017-11-12 08:11:02	17.07	unknown	-

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Photometry Requested

To export this list in CSV format, please click here

Show 10 entries

Urgent	Name	RA	Dec	Alerting Time
Yes	Gaia17bwo	254.30856	-54.41029	2017-07-25 13:33:24
Yes	Gaia17byk	258.79764	-33.04356	2017-08-01 13:55:36
Yes	Gaia17dcg	132.98547	-2.64016	2017-11-27 05:59:00
Yes	Gaia17cyy	286.41085	-18.84244	2017-11-17 07:02:58
Yes	Gaia17dcx	103.41826	-21.07602	2017-11-29 18:36:47
Yes	Gaia17cwp	298.05665	-62.34848	2017-11-12 18:18:28
Yes	Gaia17bol	301.06550	29.24992	2017-06-16 22:44:12
Yes	Gaia17bxx	262.99308	-43.22630	2017-07-31 13:44:24
Yes	Gaia17bms	322.08		
Yes	Gaia17dce	302.9		

Showing 1 to 10 of 27 entries

gsaweb.ast.cam.ac.uk/alerts/marshall/followuplistcsv/photometry

```
Photometry Requested
#Name,RA(deg),Dec(deg),RA(hms),Dec(dms),Alerting Time,Alert Mag.,Last Detection,Last Detection Mag.,Classification
Gaia17bts,17.22,73.90,01:08:52.72,73:53:46.50,2017-07-14 06:03:45,17.23,2017-11-05 14:58:20,17.85, unknown
Gaia17czn,91.92,-6.40,06:07:40.89,-06:24:04.79,2017-11-19 06:31:27,18.59,2017-11-19 10:45:08,18.57, YSO
Gaia16aye,295.00,30.13,19:40:01.14,30:07:53.36,2016-08-05 00:53:52,14.27,2017-10-08 15:54:55,15.41, ULENS
Gaia17bwo,254.31,-54.41,16:57:14.05,-54:24:37.04,2017-07-25 13:33:24,15.62,2017-07-25 15:19:58,15.63, unknown
Gaia17byg,257.17,-32.23,17:08:39.81,-32:13:57.86,2017-08-01 07:56:34,18.65,2017-08-01 09:43:08,18.53, unknown
Gaia17byk,258.80,-33.04,17:15:11.43,-33:02:36.82,2017-08-01 13:55:36,18.29,2017-09-21 21:16:14,18.64, unknown
Gaia17dcg,132.99,-2.64,08:51:56.51,-02:38:24.58,2017-11-27 05:59:00,17.34,2017-11-27 10:12:41,17.32, unknown
Gaia17dev,214.79,6.06,14:19:09.26,06:03:28.40,2017-12-05 16:41:40,18.61,2017-12-06 02:55:37,18.87, unknown
Gaia17cyy,286.41,-18.84,19:05:38.60,-18:50:32.78,2017-11-17 07:02:58,15.23,2017-11-17 08:49:32,15.24, unknown
Gaia17dcx,103.42,-21.08,06:53:40.38,-21:04:33.67,2017-11-29 18:36:47,17.48,2017-11-29 22:50:28,17.52, unknown
Gaia17cwp,298.06,-62.35,19:52:13.60,-62:20:54.53,2017-11-12 18:18:28,17.07,2017-11-12 20:05:02,17.07, unknown
Gaia17bol,301.07,29.25,20:04:15.72,29:14:59.71,2017-06-16 22:44:12,18.79,2017-12-03 09:18:24,19.13, unknown
Gaia17cxa,96.63,16.27,06:26:32.25,16:16:22.84,2017-11-13 16:17:10,17.41,2017-11-13 22:17:26,16.98, unknown
Gaia17bms,322.08,55.48,21:28:20.12,55:28:47.86,2017-06-09 22:47:01,16.68,2017-11-03 14:27:59,18.32, unknown
Gaia17dce,302.92,9.31,20:11:40.20,09:18:45.50,2017-11-27 19:18:55,16.67,2017-11-27 21:05:28,16.68, unknown
Gaia17ddi,295.10,28.10,19:40:24.02,28:06:04.21,2017-12-02 19:35:49,18.45,2017-12-02 21:22:23,18.48, unknown
Gaia17bxz,266.08,-45.01,17:44:18.39,-45:00:20.48,2017-08-01 01:42:19,16.77,2017-10-30 02:12:15,16.87, unknown
Gaia17biu,154.77,46.45,10:19:05.62,46:27:14.08,2017-05-23 21:41:13,16.72,2017-11-18 23:09:40,18.57, SLSN
Gaia17bxh,73.97,46.40,04:55:53.25,46:24:03.31,2017-07-28 00:17:40,18.49,2017-09-19 06:07:36,18.71, unknown
Gaia17czh,313.26,-39.96,20:53:03.02,-39:57:49.36,2017-11-18 06:35:15,18.22,2017-11-18 08:21:49,18.38, unknown
Gaia17bej,274.25,-31.38,18:17:01.06,-31:23:00.67,2017-05-07 14:30:36,14.60,2017-11-10 20:34:50,17.41, unknown
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gsaweb.ast.cam.ac.uk/alerts/marshall/followuplistcsv/photometry/urgent

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Urgent Photometry Requested
#Name,RA(deg),Dec(deg),RA(hms),Dec(dms),Alerting Time,Alert Mag.,Last Detection,Last Detection Mag.,Classification
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Gaia17bwo,254.31,-54.41,16:57:14.05,-54:24:37.04,2017-07-25 13:33:24,15.62,2017-07-25 15:19:58,15.63, unknown
Gaia17cwp,298.06,-62.35,19:52:13.60,-62:20:54.53,2017-11-12 18:18:28,17.07,2017-11-12 20:05:02,17.07, unknown
Gaia17bxz,266.08,-45.01,17:44:18.39,-45:00:20.48,2017-08-01 01:42:19,16.77,2017-10-30 02:12:15,16.87, unknown
Gaia17bol,301.07,29.25,20:04:15.72,29:14:59.71,2017-06-16 22:44:12,18.79,2017-12-03 09:18:24,19.13, unknown
Gaia17byk,258.80,-33.04,17:15:11.43,-33:02:36.82,2017-08-01 13:55:36,18.29,2017-09-21 21:16:14,18.64, unknown
Gaia17bej,274.25,-31.38,18:17:01.06,-31:23:00.67,2017-05-07 14:30:36,14.60,2017-11-10 20:34:50,17.41, unknown
Gaia17dcx,103.42,-21.08,06:53:40.38,-21:04:33.67,2017-11-29 18:36:47,17.48,2017-11-29 22:50:28,17.52, unknown
Gaia17bms,322.08,55.48,21:28:20.12,55:28:47.86,2017-06-09 22:47:01,16.68,2017-11-03 14:27:59,18.32, unknown
Gaia17bxs,268.33,-50.64,17:53:18.91,-50:38:10.14,2017-07-30 13:35:28,17.04,2017-08-13 03:30:30,19.41, unknown
Gaia17bxx,262.99,-43.23,17:31:58.34,-43:13:34.68,2017-07-31 13:44:24,16.39,2017-07-31 21:31:11,16.50, unknown
Gaia17bxy,275.38,-53.81,18:21:30.24,-53:48:19.08,2017-07-31 13:31:19,14.67,2017-09-20 14:53:50,18.46, unknown
Gaia17cxa,96.63,16.27,06:26:32.25,16:16:22.84,2017-11-13 16:17:10,17.41,2017-11-13 22:17:26,16.98, unknown
Gaia17ddp,293.59,28.20,19:34:20.44,28:12:05.15,2017-12-02 19:37:02,15.83,2017-12-02 21:23:36,15.84, unknown
Gaia17dcg,132.99,-2.64,08:51:56.51,-02:38:24.58,2017-11-27 05:59:00,17.34,2017-11-27 10:12:41,17.32, unknown
Gaia17cyy,286.41,-18.84,19:05:38.60,-18:50:32.78,2017-11-17 07:02:58,15.23,2017-11-17 08:49:32,15.24, unknown
Gaia17dce,302.92,9.31,20:11:40.20,09:18:45.50,2017-11-27 19:18:55,16.67,2017-11-27 21:05:28,16.68, unknown
```

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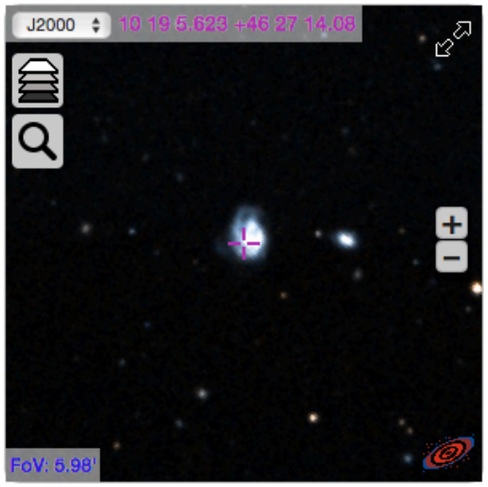
Gaia17biu

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



TNS ID
SN2017egm

RA - DEC
154.77343 46.45391
10:19:05.62 46:27:14.08

Galactic coords.
169.82146 54.40041

Alerting date
2017-05-23 21:41:13

Julian date
2457897.40

Alerting magnitude
16.72

Historic magnitude
None

Historic StdDev
None

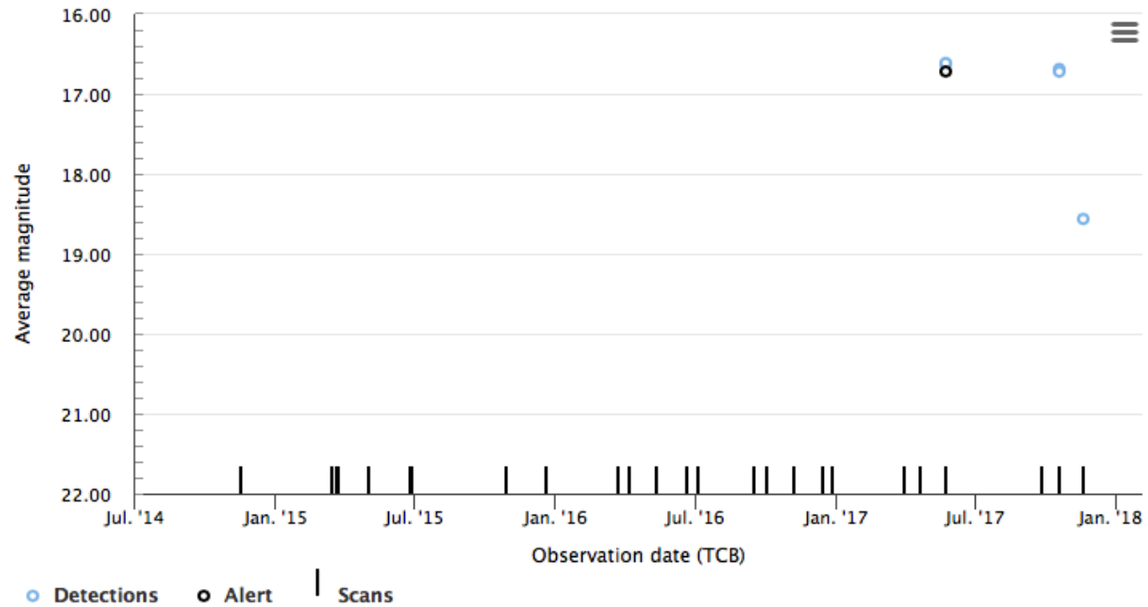
Class
SLSN

Publication date
May 25, 2017, 8:27 a.m.

Other surveys detections
None

Comments
bright candidate SN in galaxy NGC 3191

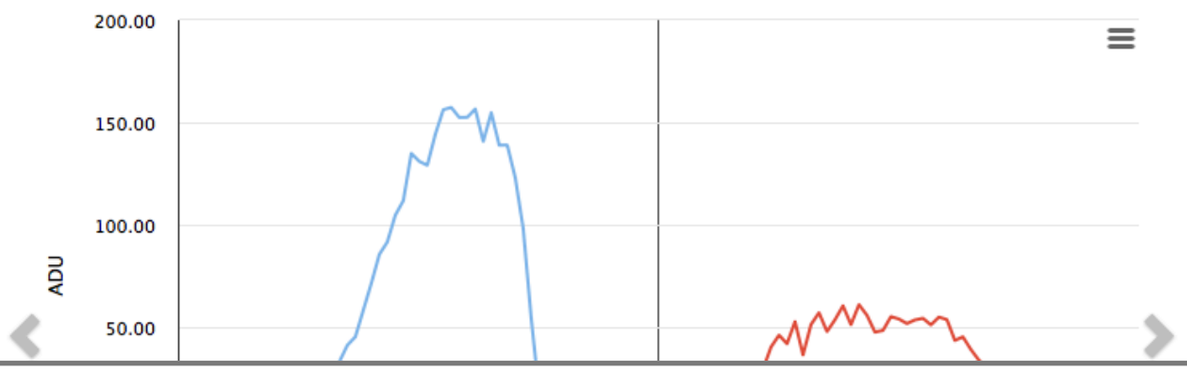
ATels
10442 10498 10499 10503 10537 10538 10546



Get lightcurve data

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

Date	JD	Average Mag.
2017-05-23 21:41:13	2457897.40	16.62
2017-05-23 23:27:46	2457897.48	16.61
2017-10-18 21:41:14	2458045.40	16.69



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Gaia17biu

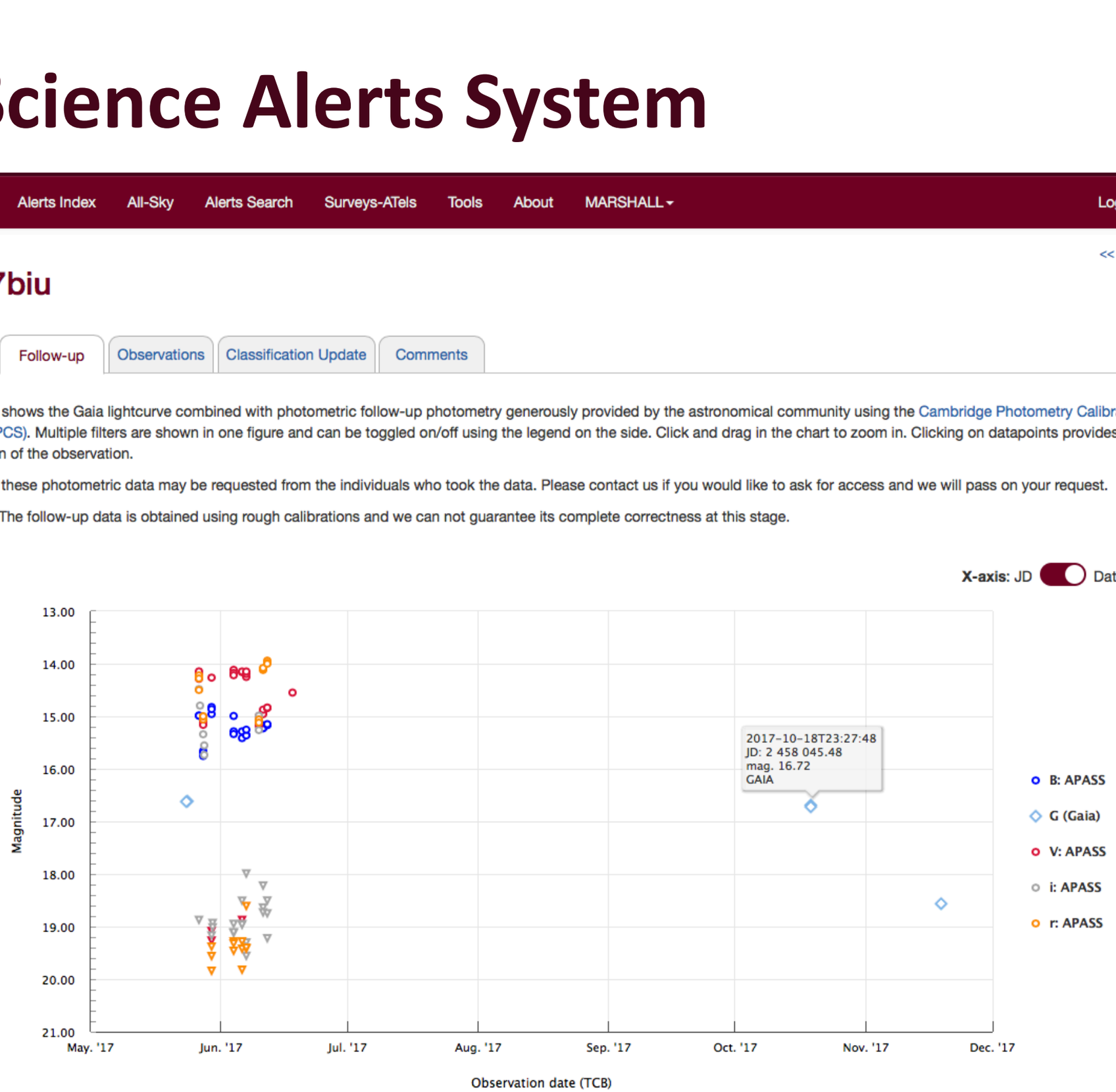
Details | Follow-up | Observations | Classification Update | Comments

The figure shows the Gaia lightcurve combined with photometric follow-up photometry generously provided by the astronomical community using the Cambridge Photometry Calibration Server (CPCS). Multiple filters are shown in one figure and can be toggled on/off using the legend on the side. Click and drag in the chart to zoom in. Clicking on datapoints provides additional information of the observation.

Access to these photometric data may be requested from the individuals who took the data. Please contact us if you would like to ask for access and we will pass on your request.

Warning: The follow-up data is obtained using rough calibrations and we can not guarantee its complete correctness at this stage.

X-axis: JD Date



Gaia Science Alerts System

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Gaia17biu

<<< photometry >>>

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

Classification Date (UTC): 2017-06-21 13:07:13

Classification Type: spectroscopy

Classification phase:

Redshift:

Pre-disc non-detection (TCB): 2017-04-20 06:01:47

Observer:

***Added**: June 21, 2017, 1:10 p.m.*

Classification: SLSN

Comment

Dong et al (ATEL #10498) have reclassified Gaia16biu as a SLSN: 'Re-classification of Gaia17biu/SN 2017egm: the closest hydrogen-poor superluminous supernova yet found, located in a massive host galaxy'

Classification Date (UTC): 2017-05-26 17:01:13

Classification Type: tns

Classification phase: None

Redshift: 0.0307

Pre-disc non-detection (TCB): 2017-04-20 06:01:47

***Observer**: TNS website*

***Added**: May 26, 2017, 5:01 p.m.*

Classification: SN II

Comment

SN2017egm - alias: Gaia17biu
https://wis-tns.weizmann.ac.il/object/2017egm
TNS classification: SN II
Host name:

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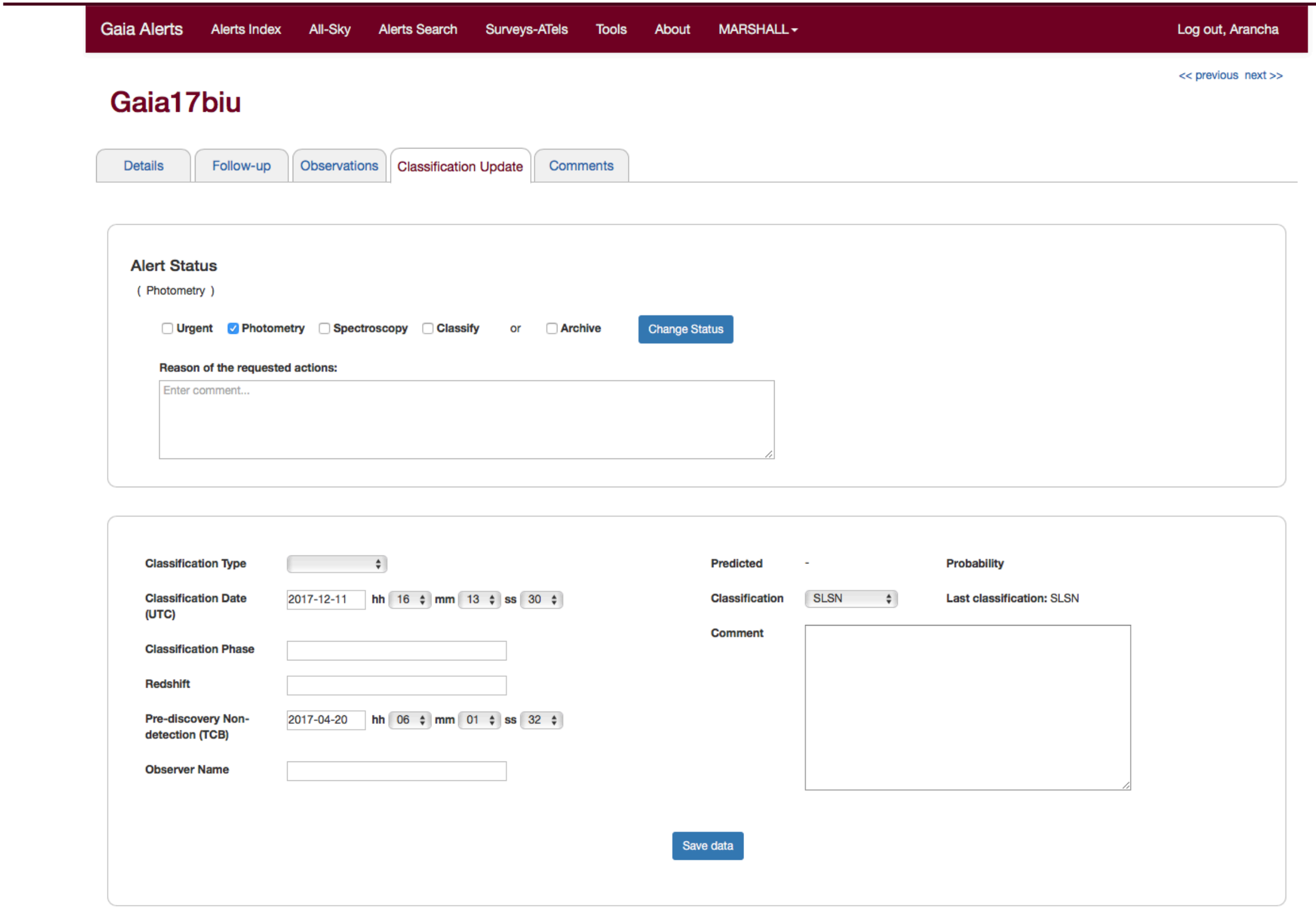
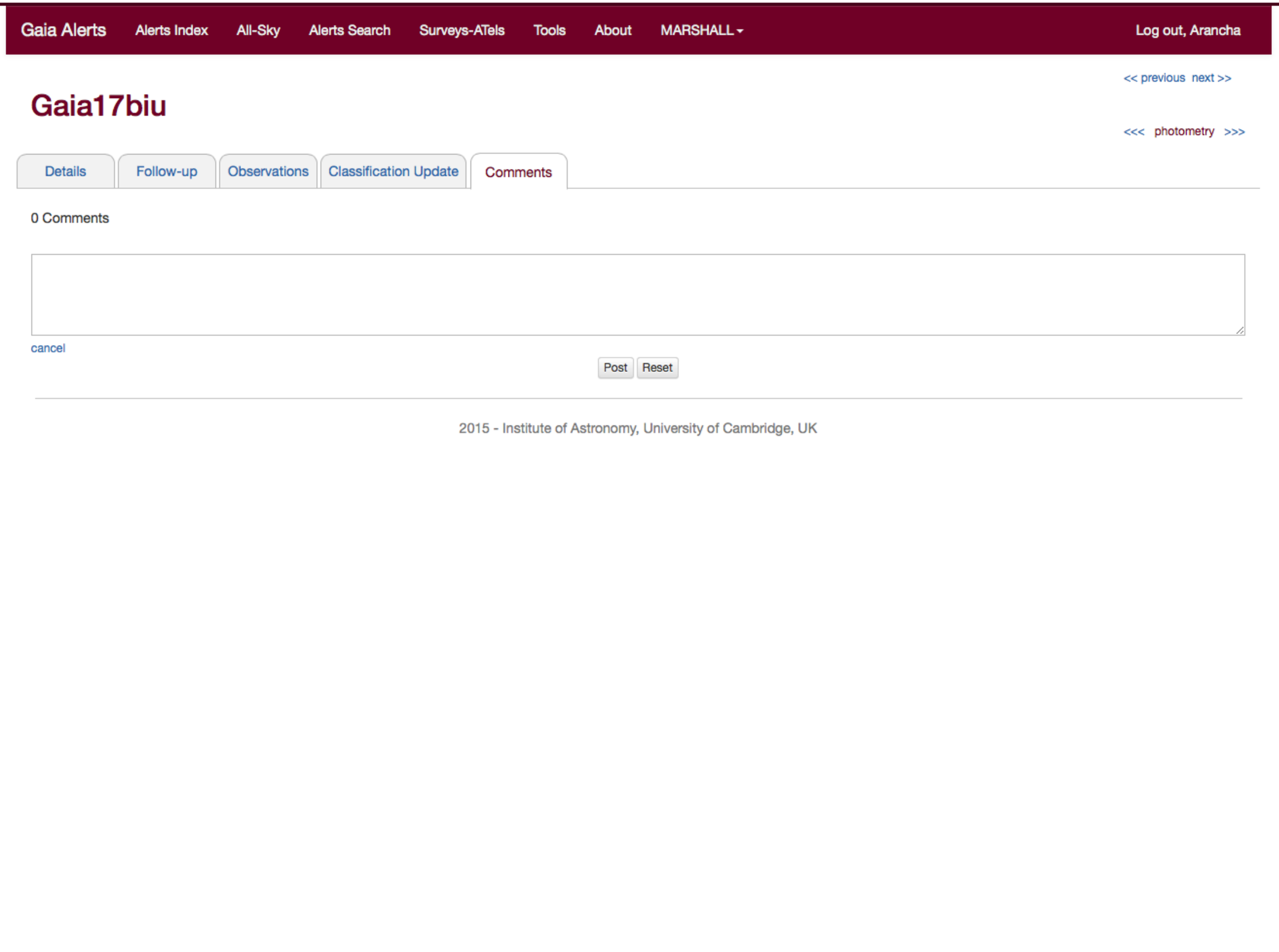
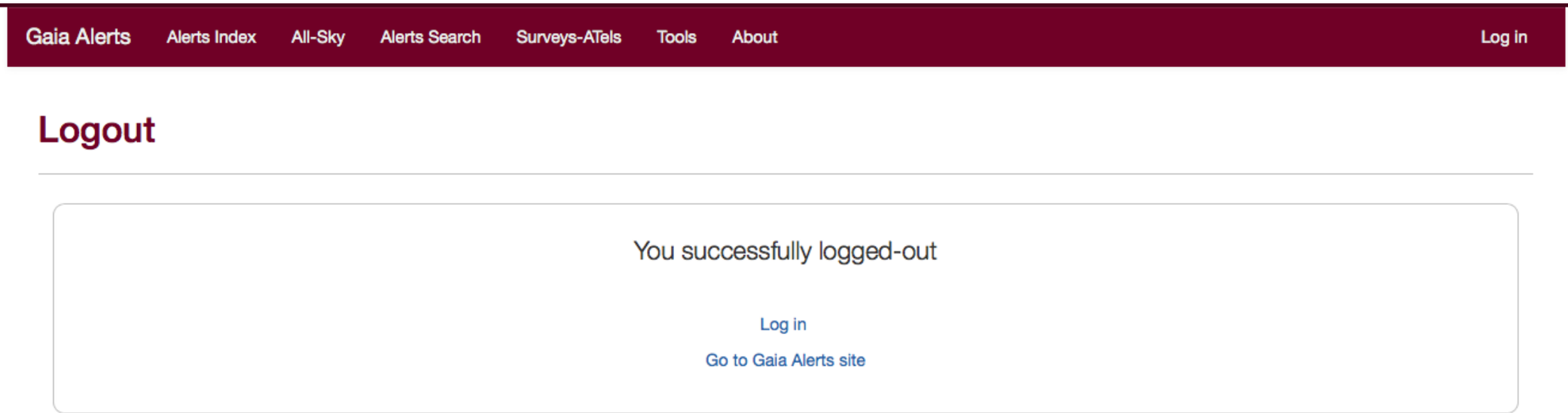
Gaia Science Alerts System



Gaia Science Alerts System



Gaia Science Alerts System