

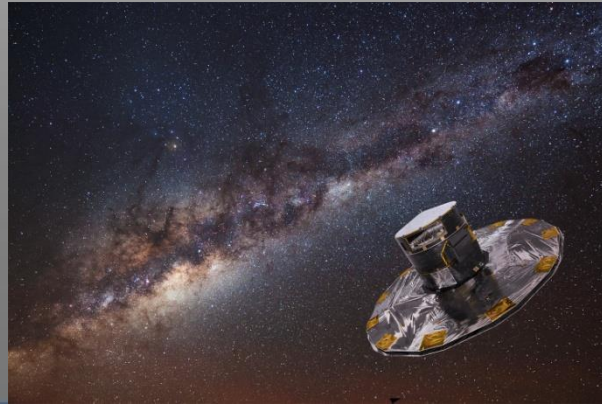
TUG T100 TELESKOPU İLE GAIA GÖZLEMLERİ



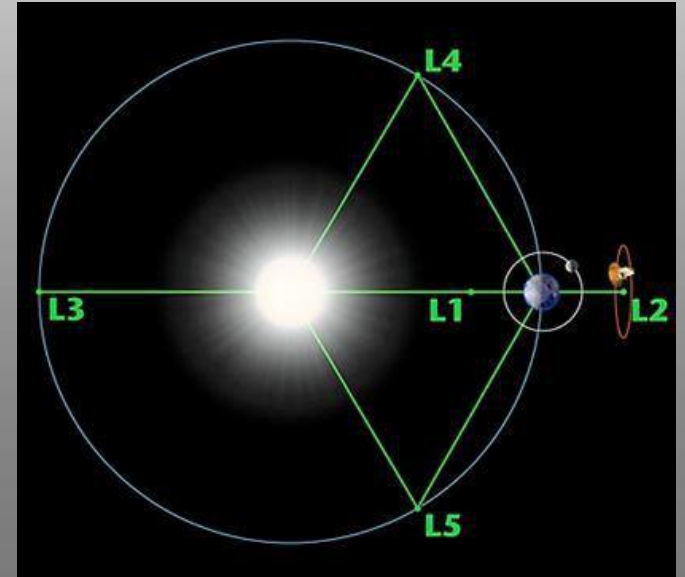
Orhan Erece, Murat Koçak, Sila Eryılmaz, Hasan Esenoğlu, Halil Kırbıyık

orhan.erece@tubitak.gov.tr

TÜBİTAK Ulusal Gözlemevi, Antalya, Turkey



- 19 Aralık 2013 tarihinde fırlatıldı
- L2 noktası
- Astrometri, Fotometri, Spektroskopi
- 1 milyar obje gözlemi
- 3 boyutlu model
- Görev süresi 5 yıl



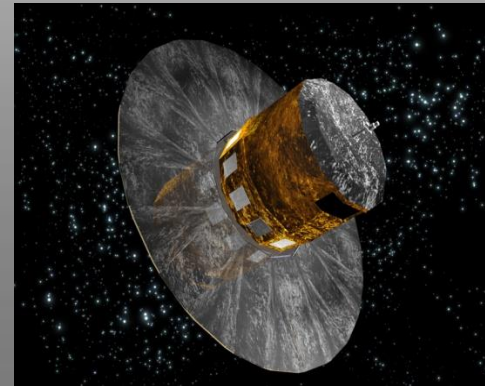
Hassasiyet

V-Parlaklık	Astrometri (paralaks)	Fotometri (RP/BP entegre)	Spektroskopi (Radyal Hız)
6-12	5-14 μs	4 mmag	1 km/s
15	25 μs	5 mmag	13 km/s
20	540 μs	60 (RP) – 80 (BP)	

Ref -Timo Prusti



Hipparcos



Gaia

Amaç:

Gelecek olan uyarıların en kısa sürede yer tabanlı teleskoplar ile takip edilmesi

- Supernova
- Tidal Disruption Events
- Microlensing
- Solar System Objects**
- Cataclysmic Variables
- Young Stellar Objects
- Gamma Ray Bursts

Gaia Gözlemlerine Ayrılan Zaman

T100 Teleskopu için;

80 saat / yıl

-N: 20:28:24 - 20:33:11,
22:50:09 - 05:05:42,
05:43:26 - 05:53:09 F:

Gaia: 21:17:36 -
21:49:20-

-Sorun yok. Gaia gözlemi
yapıldı. Toplam 7.03 saat
gözlem yapıldı. Gaia gözlemi
0.53 saat. Firsat Gözlemi:
0.saat. Kalan veri kapasitesi:
785.9 GB-

- MASTER_OT J120451.50+265946.6
- ASASSN-14bb
- ON325
- CSS100215:122454+212246
- ASASSN-14ae
- 2014J
- Gaia15aaf
- Gaia15aal

Toplam **91** görüntü – **11.17** saat

Welcome to the Cambridge Photometry Calibration Server (CPCS)

Not logged in

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[List of followup data](#)
[List of observatories](#)
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[Delete](#) a followup point from the system
[Logout](#)

[Manual](#)

Institute of Astronomy, Cambridge (2011-2014)
Sergey Koposov, Lukasz Wyrzykowski
Contact: koposov,wyrzykow_AT_ast.cam.ac.uk
Server revision: 26ef882

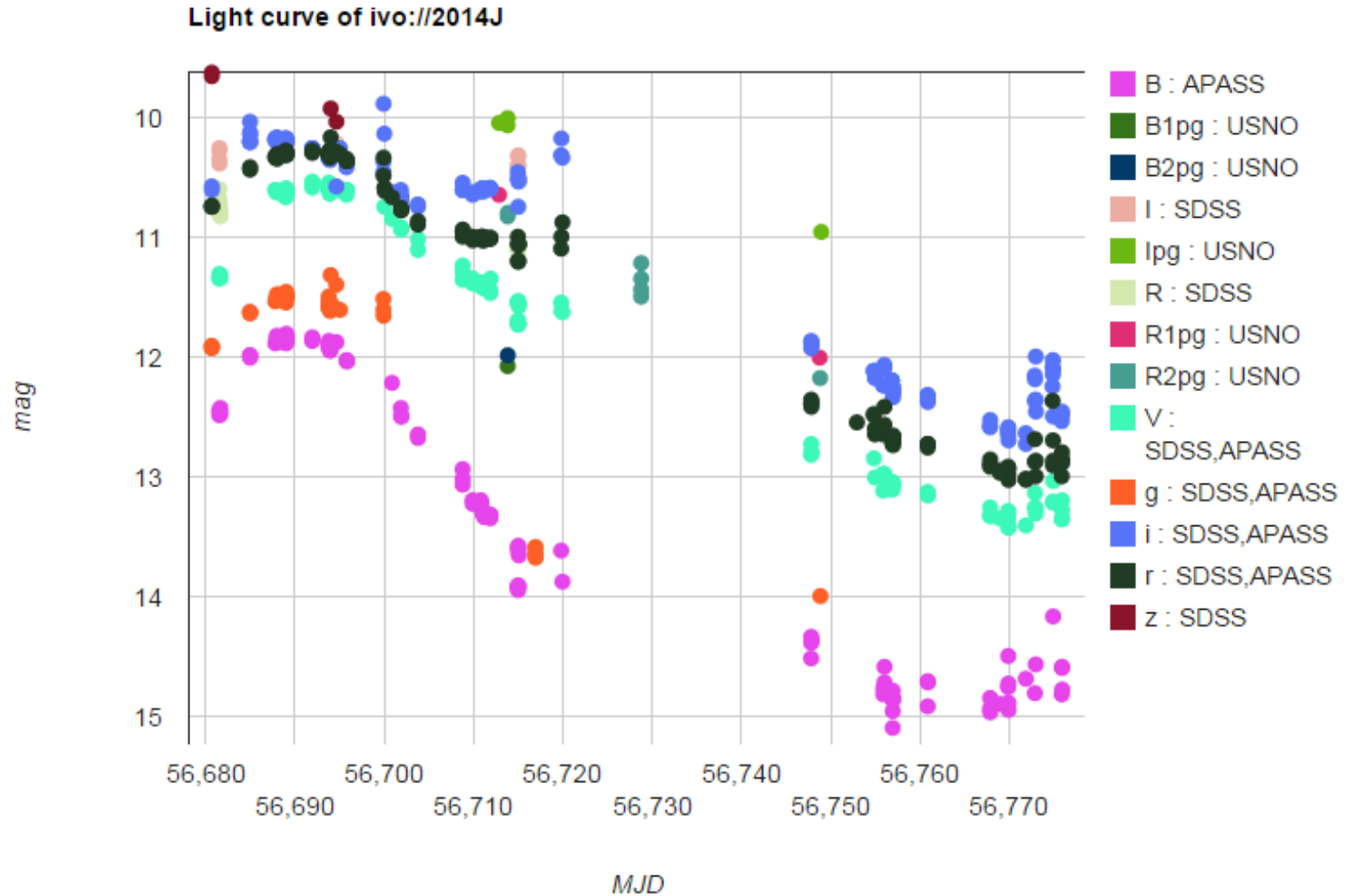
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25755	ivo://Gaia14act	2015-01-21 18:22:35	185.09378	28.41434	2	LC	data
25754	ivo://Gaia14acz	2015-01-21 18:16:55	211.56593	36.38459	1	LC	data
25753	ivo://SDSSJ110303.52+115816.5	2015-01-19 15:00:18	165.764583	11.971222	0	LC	data
25752	ivo://Gaia14adr	2015-01-19 12:57:55	251.97237	75.28007	1	LC	data
25751	ivo://Gaia14adt	2015-01-19 12:55:22	124.04058	32.51312	2	LC	data
25750	ivo://Gaia14adu	2015-01-19 12:52:51	119.81213	31.62104	1	LC	data
25749	ivo://Gaia15aac	2015-01-19 12:40:52	334.57813	41.71248	1	LC	data
25746	ivo://Gaia15aab	2015-01-19 01:37:34	250.84374	14.50298	5	LC	data
25745	ivo://Gaia15aaa	2015-01-19 01:36:54	241.37126	8.08994	3	LC	data
25738	ivo://Gaia14aaf	2015-01-18 23:10:29	244.25381	62.00685	142	LC	data
25737	ivo://Gaia14aag	2015-01-18 14:02:36	219.14335	44.65261	64	LC	data
25736	ivo://Gaia14acf	2015-01-18 13:42:39	198.80999	42.79569	50	LC	data
25735	ivo://Gaia14adz	2015-01-18 13:41:44	131.19803	44.84199	7	LC	data
25727	ivo://Gaia15aah	2015-01-18 12:06:40	74.45677	-21.59282	9	LC	data
25726	ivo://Gaia14aae	2015-01-18 11:47:17	242.89156	63.14217	9	LC	data
25721	ivo://Gaia14aah	2015-01-17 20:37:51	210.45337	54.5133	0	LC	data
25720	ivo://Gaia14ada	2015-01-17 20:16:41	208.40506	34.82615	54	LC	data
25719	ivo://Gaia15aae	2015-01-17 20:16:26	333.12473	40.31319	0	LC	data
25707	ivo://Gaia14adc	2015-01-08 10:28:22	316.06927	51.32732	0	LC	data
25706	ivo://Gaia14adj	2015-01-06 11:23:38	356.72155	23.14965	1	LC	data

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

[Next page](#)

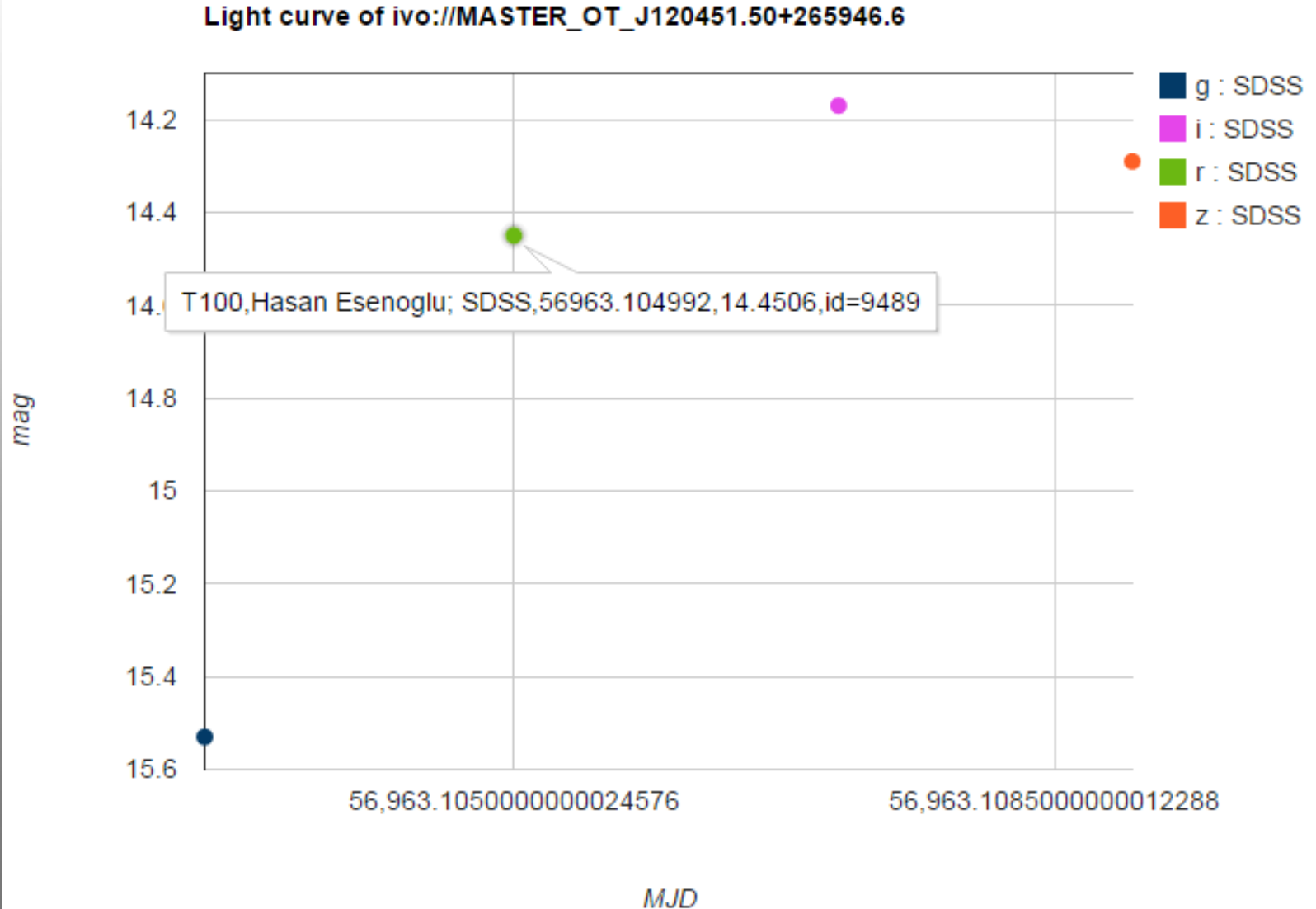
Yapılan Gözlemler

http://gsaweb.ast.cam.ac.uk/followup/get_alert_lc?alert_id=25462



Yapılan Gözlemler

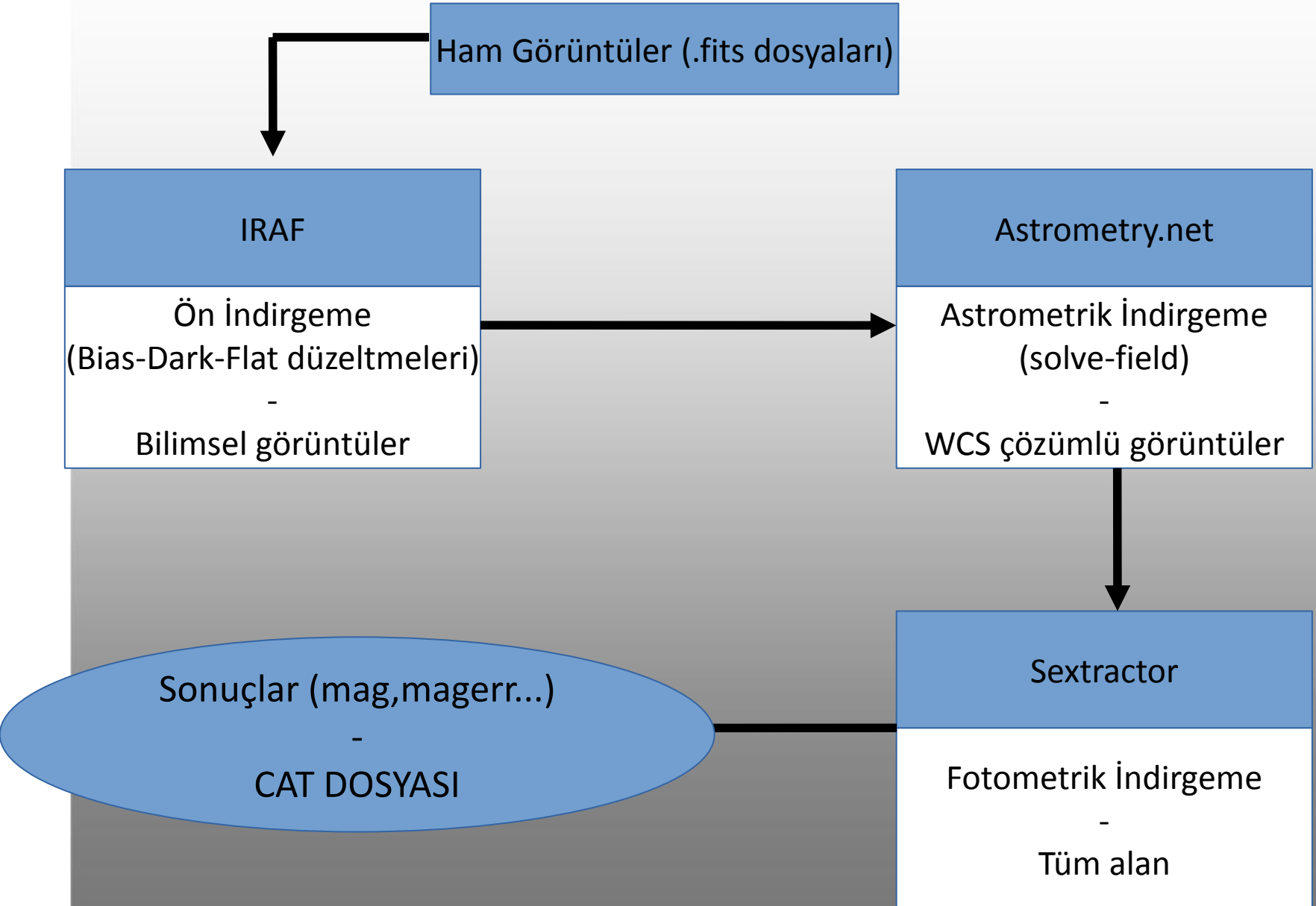
http://gsaweb.ast.cam.ac.uk/followup/get_alert_lc?alert_id=25692



<http://gaia.ac.uk/selected-gaia-science-alerts>

Name	UTC timestamp	RA	Dec	AlertMag	HistMag	HistStdDev	Class	Comment
Gaia15aah	2015-01-04 02:00:40	74.45677	-21.59282	17.07	Not known	Not known	unknown	ASASSN-15al (probable Supernova in dwarf host)
Gaia15aag	2015-01-02 09:02:08	263.17942	28.89005	15.55	16.09	0.07	unknown	Probably a variable star; got brighter and bluer
Gaia15aaf	2014-12-29 05:12:57	244.12816	7.58925	18.85	Not known	Not known		Bluish new source on top of very faint SDSS galaxy
Gaia15aae	2014-11-06 10:26:05	333.12473	40.31319	18.99	19.89	0.06		
Gaia15aad	2014-11-25 16:25:41	334.33540	40.47035	16.84	17.42	0.02		
Gaia15aac	2014-11-25 20:40:32	334.57813	41.71248	17.95	18.52	0.03		
Gaia15aab	2014-10-20 16:10:09	250.84374	14.50298	16.91	17.89	0.05		
Gaia15aaaa	2014-12-27 21:27:05	241.37126	8.08994	17.81	Not known	Not known	unknown	misnamed - should be Gaia15aaa ! (duplicate entry)
Gaia15aaa	2014-12-27 21:27:05	241.37126	8.08994	17.81	Not known	Not known	unknown	New blue source 2 arcsec from Galaxy core
Gaia14aeb	2014-11-21 05:19:01	163.71506	-18.14834	17.54	18.10	0.06	unknown	
Gaia14aea	2014-12-12 22:21:18	278.04541	21.10559	17.05	17.68	0.02	unknown	

Verilerin İndirgenmesi



Gaia Science Alerts

Varşova – Polonya 9-12 Eylül 2014

Paris – Fransa 19-21 Haziran 2013

Gaia Fun-SSO

Paris-Fransa 24-26 Kasım 2014

Paris – Fransa 19-21 Eylül 2012

Paris-Fransa 29-1 Kasım 2010



Teşekkürler

