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21,300,145 Light Curves

Kepler

The first space mission to search for Earth-sized and smaller planets in the habitable zone of other stars in our neighborhood of the galaxy.

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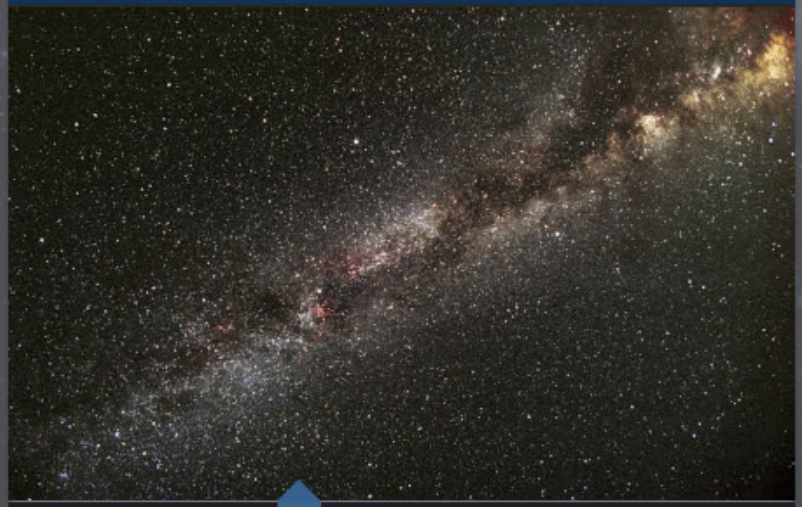
Q1-16 KOI Table Closed

December 18, 2014 • New Data

Kepler has closed the Q1-Q16 KOI table; see the Purpose of KOI activity table for details. The archive has also updated several stellar and planet parameters.



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Tools & Services

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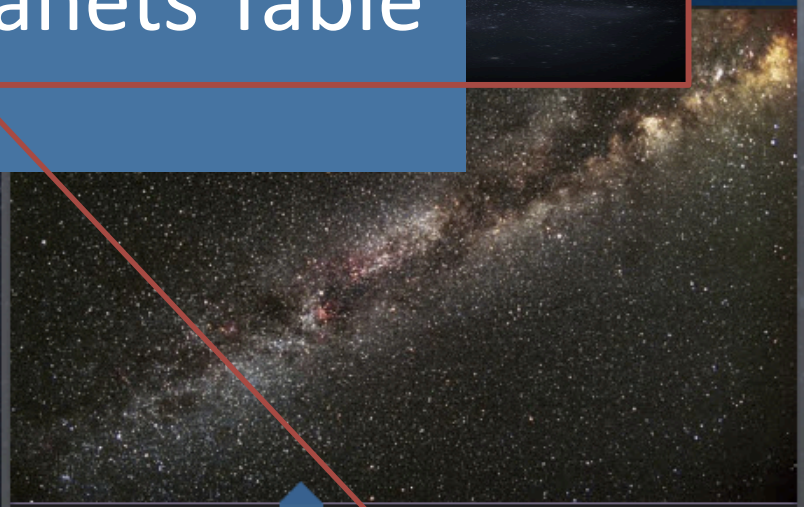

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Confirmed Planets

Row ID	Host Name	Planet Letter	Discovery Method	Number of Planets in System	Orbital Period [days]	Orbit Semi-Major Axis [AU]	Eccentricity	Planet Mass [Jupiter mass]	P
1	4 UMa	b	Radial Velocity	1	269.30±1.96	0.87±0.04	0.432±0.024		7.1±
2	6 Lyn	b	Radial Velocity	1	874.774 $^{+16.27}_{-8.47}$	2.18 $^{+0.05}_{-0.06}$	0.059		2.21
3	7 CMa	b	Radial Velocity	1	763±17	1.9±0.1	0.14±0.06		2.6±
4	11 Com	b	Radial Velocity	1	326.03±0.32	1.29±0.05	0.231±0.005		19.4
5	11 UMi	b	Radial Velocity	1	516.22±3.25	1.54±0.07	0.08±0.03		10.5
6	14 And	b	Radial Velocity	1	185.84±0.23	0.83	0		4.8
7	14 Her	b	Radial Velocity	1	1773.4±2.5	2.77±0.05	0.369±0.005		4.64
8	16 Cyg B	b	Radial Velocity	1	798.5±1.0	1.681±0.097	0.681±0.017	1.68±0.15	
9	18 Del	b	Radial Velocity	1	993.3±3.2	2.6	0.08±0.01		10.3
10	24 Sex	b	Radial Velocity	2	452.8 $^{+2.1}_{-4.5}$	1.333 $^{+0.004}_{-0.009}$	0.09 $^{+0.14}_{-0.06}$		1.99
11	24 Sex	c	Radial Velocity	2	883.0 $^{+32.4}_{-13.8}$	2.08 $^{+0.05}_{-0.02}$	0.29 $^{+0.16}_{-0.09}$		0.86
12	30 Ari B	b	Radial Velocity	1	335.1±2.5	0.995±0.012	0.289±0.092		9.86
13	42 Dra	b	Radial Velocity	1	479.1±6.2	1.19±0.01	0.38±0.06		3.86
14	47 UMa	b	Radial Velocity	3	1078±2	2.100±0.02	0.032±0.014		2.53
15	47 UMa	c	Radial Velocity	3	2391 $^{+100}_{-87}$	3.6±0.1	0.098 $^{+0.047}_{-0.096}$		0.54
16	47 UMa	d	Radial Velocity	3	14002 $^{+4018}_{-5095}$	11.6 $^{+2.1}_{-2.9}$	0.16 $^{+0.09}_{-0.16}$		1.64
17	51 Peg	b	Radial Velocity	1	4.230785±0.000036	0.0527±0.0030	0.013±0.012		0.47
18	55 Cnc	b	Radial Velocity	5	14.65152±0.00015	0.11522725±0.00000079	0.0034±0.0032	0.8306±0.0033	
19	55 Cnc	c	Radial Velocity	5					
20	55 Cnc	d	Radial Velocity	5	4825±39	5.503±0.030	0.019±0.013	3.878±0.068	
21	55 Cnc	e	Radial Velocity	5	0.7365515±0.0000015	0.015690907±0.000000021	0.040±0.027	0.02561±0.00073	
22	55 Cnc	f	Radial Velocity	5	262.00±0.51	0.7880±0.0010	0.305±0.075	0.141±0.012	

Showing records 1 to 22 of 1789 (1789 total)

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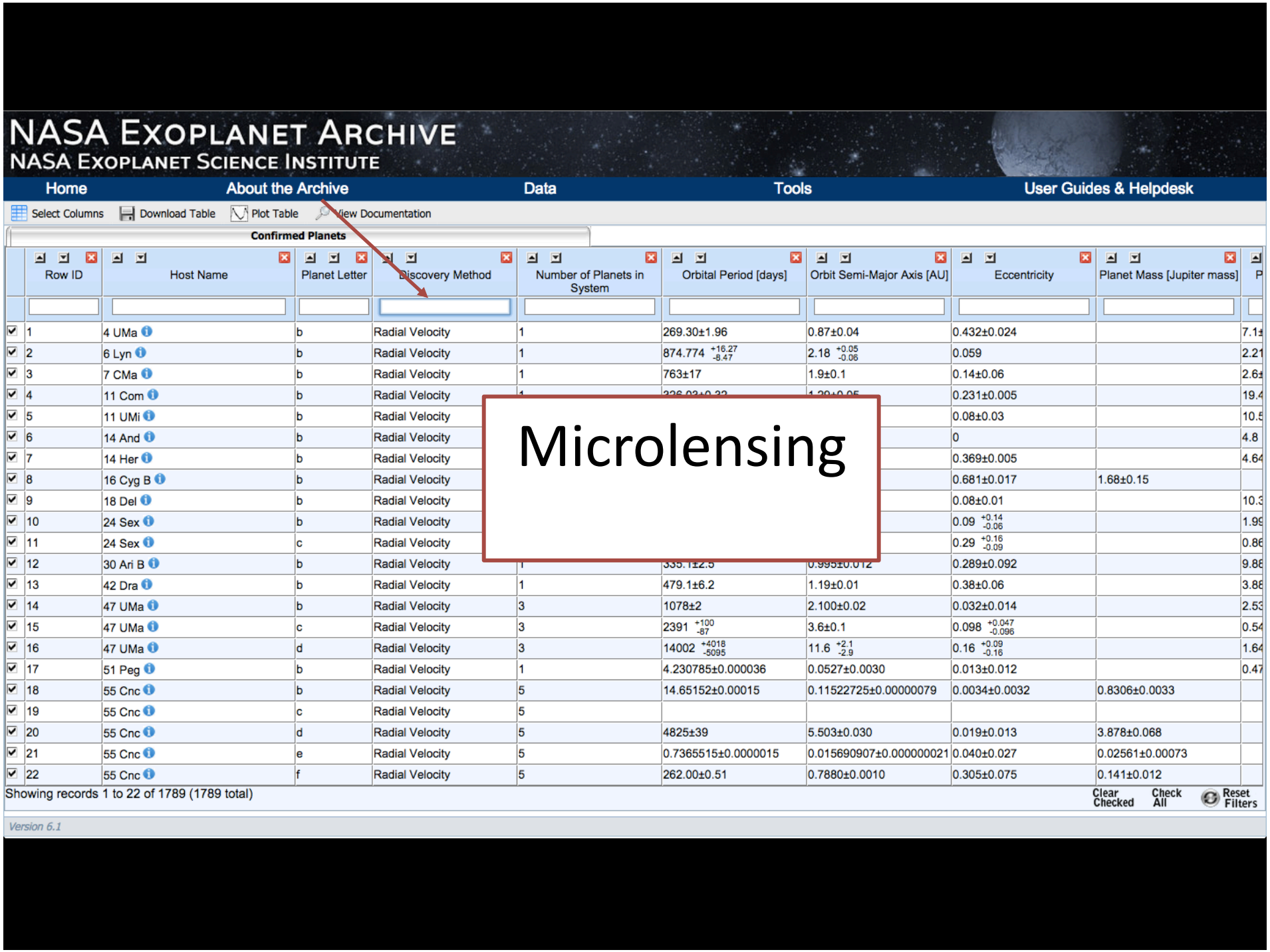
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Discovery Method
Number of Planets in System
Orbital Period [days]
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Planet Mass [Jupiter mass]
1 4 UMa b Radial Velocity 1 269.30±1.96 0.87±0.04 0.432±0.024
2 6 Lyn b Radial Velocity 1 874.774 +16.27 -8.47 2.18 +0.05 -0.06 0.059
3 7 CMa b Radial Velocity 1 763±17 1.9±0.1 0.14±0.06
4 11 Com b Radial Velocity 0.231±0.005
5 11 UMi b Radial Velocity 0.08±0.03
6 14 And b Radial Velocity 0
7 14 Her b Radial Velocity 0.369±0.005
8 16 Cyg B b Radial Velocity 0.681±0.017 1.68±0.15
9 18 Del b Radial Velocity 0.08±0.01
10 24 Sex b Radial Velocity 0.09 +0.14 -0.06
11 24 Sex c Radial Velocity 0.29 +0.16 -0.09
12 30 Ari B b Radial Velocity 0.289±0.092
13 42 Dra b Radial Velocity 1 479.1±6.2 1.19±0.01 0.38±0.06
14 47 UMa b Radial Velocity 3 1078±2 2.100±0.02 0.032±0.014
15 47 UMa c Radial Velocity 3 2391 +100 -87 3.6±0.1 0.098 +0.047 -0.096
16 47 UMa d Radial Velocity 3 14002 +4018 -5095 11.6 +2.1 -2.9 0.16 +0.09 -0.16
17 51 Peg b Radial Velocity 1 4.230785±0.000036 0.0527±0.0030 0.013±0.012
18 55 Cnc b Radial Velocity 5 14.65152±0.00015 0.11522725±0.00000079 0.0034±0.0032 0.8306±0.0033
19 55 Cnc c Radial Velocity 5
20 55 Cnc d Radial Velocity 5 4825±39 5.503±0.030 0.019±0.013 3.878±0.068
21 55 Cnc e Radial Velocity 5 0.7365515±0.0000015 0.015690907±0.000000021 0.040±0.027 0.02561±0.00073
22 55 Cnc f Radial Velocity 5 262.00±0.51 0.7880±0.0010 0.305±0.075 0.141±0.012
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Microlensing

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Confirmed Planets

	Row ID	Host Name	Planet Letter	Discovery Method	Number of Planets in System	Orbital Period [days]	Orbit Semi-Major Axis [AU]	Eccentricity	Planet Mass [Jupiter mass]	P
				Microlensing						
☑	1629	MOA 2007-BLG-192L	b	Microlensing	1		0.62 $^{+0.22}_{-0.16}$		0.010 $^{+0.015}_{-0.005}$	
☑	1630	MOA 2007-BLG-400L	b	Microlensing	1		0.72 $^{+0.38}_{-0.16}$		0.83 $^{+0.49}_{-0.31}$	
☑	1631	MOA 2008-BLG-310L	b	Microlensing	1		1.25±0.10		0.23±0.05	
☑	1632	MOA 2008-BLG-379L	b	Microlensing	1		3.3 $^{+1.7}_{-1.2}$		4.1 $^{+1.7}_{-1.9}$	
☑	1633	MOA 2009-BLG-266L	b	Microlensing	1	2774.0 $^{+2810.5}_{-547.5}$	3.2 $^{+1.9}_{-0.5}$		0.033±0.005	
☑	1634	MOA 2009-BLG-319L	b	Microlensing	1		2.4 $^{+1.2}_{-0.6}$		0.16 $^{+0.14}_{-0.08}$	
☑	1635	MOA 2009-BLG-387L	b	Microlensing	1	1981.95 $^{+784.75}_{-587.65}$	1.82 $^{+0.84}_{-0.73}$		2.56 $^{+4.15}_{-1.58}$	
☑	1636	MOA 2010-BLG-477L	b	Microlensing	1		2 $^{+3}_{-1}$		1.5 $^{+0.8}_{-0.3}$	
☑	1637	MOA 2010-BLG-073L	b	Microlensing	1		1.21±0.16		11.0±2.0	
☑	1638	MOA 2011-BLG-293L	b	Microlensing	1		1.1±0.1		4.8±0.3	
☑	1639	MOA 2011-BLG-322L	b	Microlensing	1		4.3 $^{+1.5}_{-1.2}$		11.6 $^{+13.4}_{-5.6}$	
☑	1640	MOA-bin-1L	b	Microlensing	1		8.3 $^{+4.5}_{-2.7}$		3.7±2.1	
☑	1645	OGLE 2003-BLG-235L	b	Microlensing	1		3.0 $^{+0.1}_{-1.7}$		1.5 $^{+0.1}_{-1.2}$	
☑	1646	OGLE 2005-BLG-71L	b	Microlensing	1		3.6±0.2		3.8±0.4	
☑	1647	OGLE 2005-BLG-169L	b	Microlensing	1		2.7		0.04	
☑	1648	OGLE 2005-BLG-390L	b	Microlensing	1	3285 $^{+3285}_{-1095}$	2.6 $^{+1.5}_{-0.6}$		0.017 $^{+0.017}_{-0.008}$	
☑	1649	OGLE 2006-BLG-109L	b	Microlensing	2	1788.5 $^{+584.0}_{-547.5}$	2.3±0.5		0.73±0.06	
☑	1650	OGLE 2006-BLG-109L	c	Microlensing	2	4927.5 $^{+3540.5}_{-1752.0}$	4.5 $^{+2.1}_{-1.0}$	0.15 $^{+0.17}_{-0.10}$	0.27±0.02	
☑	1651	OGLE 2007-BLG-368L	b	Microlensing	1		3.3 $^{+1.4}_{-0.8}$		0.06 $^{+0.02}_{-0.03}$	
☑	1652	OGLE 2008-BLG-092L	b	Microlensing	1		18		0.18	
☑	1653	OGLE 2008-BLG-355L	b	Microlensing	1		1.70 $^{+0.29}_{-0.30}$		4.6 $^{+3.7}_{-2.2}$	
☑	1654	OGLE 2011-BLG-251L	b	Microlensing	1		2.72±0.75		0.53±0.21	

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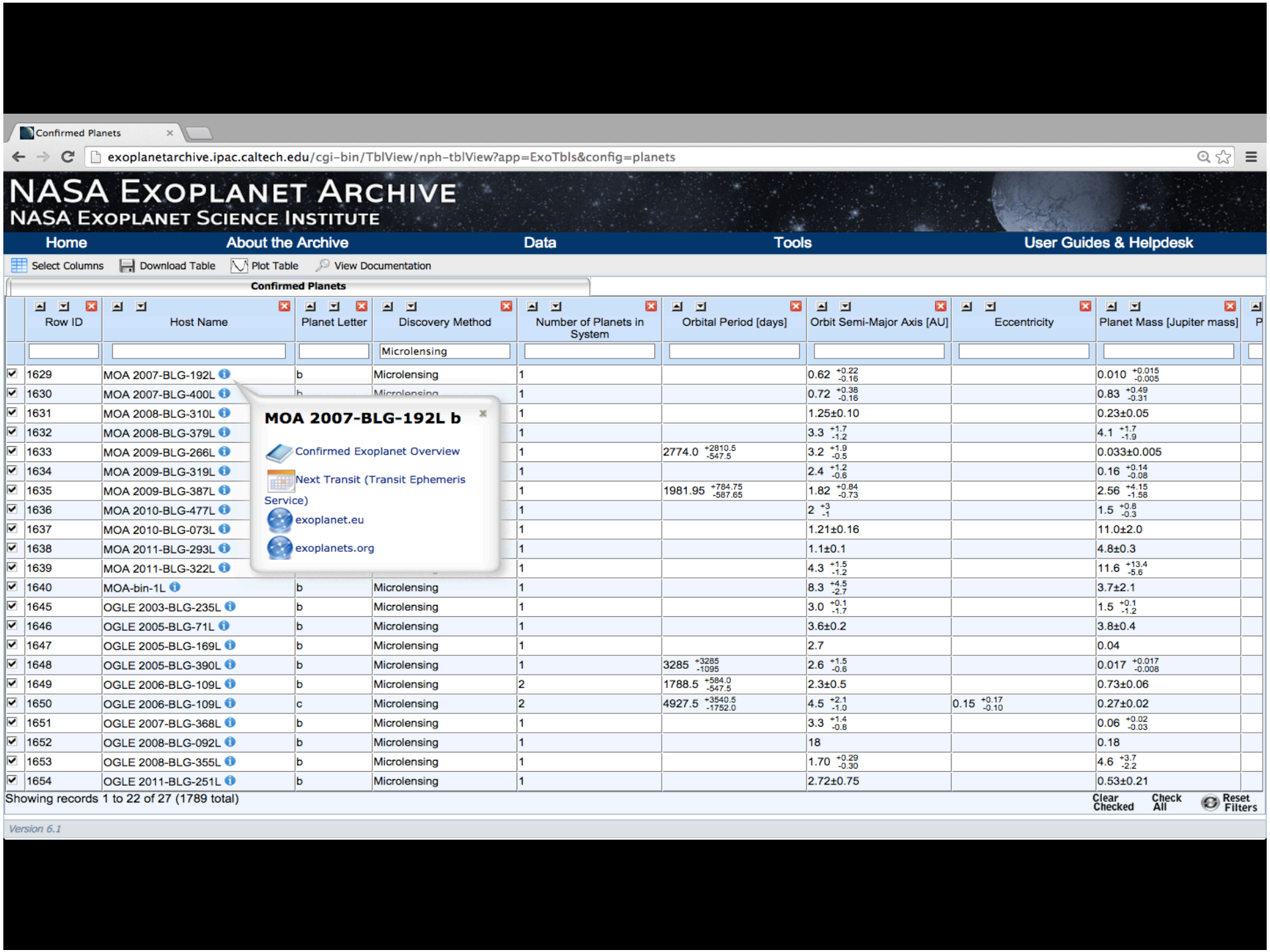

Row ID	Host Name	Planet Letter	Discovery Method	Number of Planets in System	Orbital Period [days]	Orbit Semi-Major Axis [AU]	Eccentricity	Planet Mass [Jupiter mass]	P
			Microlensing						
1629	MOA 2007-BLG-192L	b	Microlensing	1		0.62 $^{+0.22}_{-0.16}$		0.010 $^{+0.015}_{-0.005}$	
1630	MOA 2007-BLG-400L	b	Microlensing	1		0.72 $^{+0.38}_{-0.16}$		0.83 $^{+0.49}_{-0.31}$	
1631	MOA 2008-BLG-310L			1		1.25±0.10		0.23±0.05	
1632	MOA 2008-BLG-379L			1		3.3 $^{+1.7}_{-1.2}$		4.1 $^{+1.7}_{-1.9}$	
1633	MOA 2009-BLG-266L			1	2774.0 $^{+2810.5}_{-547.5}$	3.2 $^{+1.9}_{-0.5}$		0.033±0.005	
1634	MOA 2009-BLG-319L			1		2.4 $^{+1.2}_{-0.6}$		0.16 $^{+0.14}_{-0.08}$	
1635	MOA 2009-BLG-387L			1	1981.95 $^{+784.75}_{-587.65}$	1.82 $^{+0.84}_{-0.73}$		2.56 $^{+4.15}_{-1.58}$	
1636	MOA 2010-BLG-477L			1		2 $^{+3}_{-1}$		1.5 $^{+0.8}_{-0.3}$	
1637	MOA 2010-BLG-073L			1		1.21±0.16		11.0±2.0	
1638	MOA 2011-BLG-293L			1		1.1±0.1		4.8±0.3	
1639	MOA 2011-BLG-322L			1		4.3 $^{+1.5}_{-1.2}$		11.6 $^{+13.4}_{-5.6}$	
1640	MOA-bin-1L	b	Microlensing	1		8.3 $^{+4.5}_{-2.7}$		3.7±2.1	
1645	OGLE 2003-BLG-235L	b	Microlensing	1		3.0 $^{+0.1}_{-1.7}$		1.5 $^{+0.1}_{-1.2}$	
1646	OGLE 2005-BLG-71L	b	Microlensing	1		3.6±0.2		3.8±0.4	
1647	OGLE 2005-BLG-169L	b	Microlensing	1		2.7		0.04	
1648	OGLE 2005-BLG-390L	b	Microlensing	1	3285 $^{+3285}_{-1095}$	2.6 $^{+1.5}_{-0.6}$		0.017 $^{+0.017}_{-0.008}$	
1649	OGLE 2006-BLG-109L	b	Microlensing	2	1788.5 $^{+584.0}_{-547.5}$	2.3±0.5		0.73±0.06	
1650	OGLE 2006-BLG-109L	c	Microlensing	2	4927.5 $^{+3540.5}_{-1752.0}$	4.5 $^{+2.1}_{-1.0}$	0.15 $^{+0.17}_{-0.10}$	0.27±0.02	
1651	OGLE 2007-BLG-368L	b	Microlensing	1		3.3 $^{+1.4}_{-0.8}$		0.06 $^{+0.02}_{-0.03}$	
1652	OGLE 2008-BLG-092L	b	Microlensing	1		18		0.18	
1653	OGLE 2008-BLG-355L	b	Microlensing	1		1.70 $^{+0.29}_{-0.30}$		4.6 $^{+3.7}_{-2.2}$	
1654	OGLE 2011-BLG-251L	b	Microlensing	1		2.72±0.75		0.53±0.21	

Overview

Confirmed Exoplanet Overview
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Version 2.2

MOA 2007-BLG-192L b

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Related Overviews				Transit Service
Confirmed		Kepler Pipeline		
Planet	Host	-	-	MOA 2007-BLG-192L b Transits

Planet Orbital Properties

Planet	Period (days)	Semi-Major Axis (AU)	Inclination (deg)	Eccentricity	Time of Periastron Passage	Longitude of Periastron (deg)	Date of Orbital Solution	Reference
b	null	0.62 $^{+0.22}_{-0.16}$	null	null	null	null	null	Bennett et al. 2008

Planet Parameters

Planet	M sin(i)		Mass		Radius			Density	Equilibrium Temperature	Reference
	(Jupiter Mass)	(Earth Mass)	(Jupiter Mass)	(Earth Mass)	(Solar Radii)	(Jupiter Radii)	(Earth Radii)	(g/cm^3)	(K)	
b	null	null	0.010 $^{+0.015}_{-0.005}$	3.3 $^{+4.9}_{-1.6}$	null	null	null	null	null	Bennett et al. 2008

Planet Transit Properties

Planet	Depth (perc)	Duration (days)	Duration (hours)	Mid-Point	Impact Parameter	Occultation Depth	Ratio of Distance to Stellar Radius	Ratio of Planet to Stellar Radius	Reference
b	null	null	null	null	null	null	null	null	Bennett et al. 2008

General Information

Planet	Discovery			System Information			Kepler Flag	TTV Flag	Exoplanet Encyclopedia Link	Exoplanets Data Explorer Link
	Method	Year	Reference	Number of Stars	Number of Planets	Circumbinary Flag				
b	Microlensing	2008	Bennett et al. 2008	1	1	0	0	0	http://exoplanet.eu/catalog/moa-2007-blg-192-l_b/	http://exoplanets.org/detail/MOA-2007-E

Summary of Stellar Information

Right Ascension	18h08m03.80s	Declination	-27d09m00.3s
Galactic Longitude	4.03085	Galactic Latitude	-3.38759
Parallax (mas)	null	Distance (pc)	1000±400
RA Proper Motion (mas/yr)	null	Dec Proper Motion (mas/yr)	null
Total Proper Motion (mas/yr)	null	Radial Velocity (km/s)	null
B-band (mag)	null	K-band (mag)	null
Spectral Type	null	Effective Temperature (K)	null

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Version 2.2

MOA 2007-BLG-192L b

NASA Exoplanet Archive Links

Related Overviews				Transit Service
Confirmed		Kepler Pipeline		
Planet	Host	-	-	MOA 2007-BLG-192L b Transits

Planet Orbital Properties

Planet	Period (days)	Semi-Major Axis (AU)	Inclination (deg)	Eccentricity	Time of Periastron Passage	Longitude of Periastron (deg)	Date of Orbital Solution	Reference
b	null	0.62 $^{+0.22}_{-0.16}$	null	null	null	null	null	Bennett et al. 2008

Planet Parameters

Planet	M sin(i)		Mass		Radius			Density	Equilibrium Temperature	Reference
	(Jupiter Mass)	(Earth Mass)	(Jupiter Mass)	(Earth Mass)	(Solar Radii)	(Jupiter Radii)	(Earth Radii)	(g/cm^3)	(K)	
b	null	null	0.010 $^{+0.015}_{-0.005}$	3.3 $^{+4.9}_{-1.6}$	null	null	null	null	null	Bennett et al. 2008

Planet Transit Properties

Planet	Depth (perc)	Duration (days)	Duration (hours)	Mid-Point	Impact Parameter	Occultation Depth	Ratio of Distance to Stellar Radius	Ratio of Planet to Stellar Radius	Reference
b	null	null	null	null	null	null	null	null	Bennett et al. 2008

General Information

Planet	Discovery			System Information			Kepler Flag	TTV Flag	Exoplanet Encyclopedia Link	Exoplanets Data Explorer Link
	Method	Year	Reference	Number of Stars	Number of Planets	Circumbinary Flag				
b	Microlensing	2008	Bennett et al. 2008	1	1	0	0	0	http://exoplanet.eu/catalog/moa-2007-blg-192-l_b/	http://exoplanets.org/detail/MOA-2007-E

Summary of Stellar Information

Right Ascension	18h08m03.80s	Declination	-27d09m00.3s
Galactic Longitude	4.03085	Galactic Latitude	-3.38759
Parallax (mas)	null	Distance (pc)	1000±400
RA Proper Motion (mas/yr)	null	Dec Proper Motion (mas/yr)	null
Total Proper Motion (mas/yr)	null	Radial Velocity (km/s)	null
B-band (mag)	null	K-band (mag)	null
Spectral Type	null	Effective Temperature (K)	null

Overview

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- Astrometry
- Photometric Measurements
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  - [x] Time Series
  - [ ] Spectra
  - [ ] Images

Version 2.2

MOA 2007-BLG-192L b

NASA Exoplanet Archive Links

Related Overviews				Transit Service
Confirmed		Kepler Pipeline		
Planet	Host	-	-	MOA 2007-BLG-192L b Transits

Planet Orbital Properties

Planet	Period (days)	Semi-Major Axis (AU)	Inclination (deg)	Eccentricity	Time of Periastron Passage	Longitude of Periastron (deg)	Date of Orbital Solution	Reference
b	null	0.62 $^{+0.22}_{-0.16}$	null	null	null	null	null	Bennett et al. 2008

Literature Time Series

Type	Start Time	End Time	Number of Data Points	Wavelength	Method	Instrument/Telescope	File	Reference
PLC	2452127.524770	2454377.564430	442	I (Generic)	Microlensing	OGLE-III - 1.3m Warsaw/LCO	Download	Bennett et al. 2008
PLC	2454206.246770	2454376.964190	718	R or B (Custom)	Microlensing	MOA-cam - MOA	Download	Bennett et al. 2008

Planet	Depth (perc)	Duration (days)	Duration (hours)	Mid-Point	Impact Parameter	Occultation Depth	Ratio of Distance to Stellar Radius	Ratio of Planet to Stellar Radius	Reference
b	null	null	null	null	null	null	null	null	Bennett et al. 2008

General Information

Planet	Discovery			System Information			Kepler Flag	TTV Flag	Exoplanet Encyclopedia Link	Exoplanets Data Explorer Link
	Method	Year	Reference	Number of Stars	Number of Planets	Circumbinary Flag				
b	Microlensing	2008	Bennett et al. 2008	1	1	0	0	0	http://exoplanet.eu/catalog/moa-2007-blg-192-l_b/	http://exoplanets.org/detail/MOA-2007-E

Summary of Stellar Information

Right Ascension	18h08m03.80s	Declination	-27d09m00.3s
Galactic Longitude	4.03085	Galactic Latitude	-3.38759
Parallax (mas)	null	Distance (pc)	1000±400
RA Proper Motion (mas/yr)	null	Dec Proper Motion (mas/yr)	null
Total Proper Motion (mas/yr)	null	Radial Velocity (km/s)	null
B-band (mag)	null	K-band (mag)	null
Spectral Type	null	Effective Temperature (K)	null

Overview

Confirmed Exoplanet Overview
This page contains all available information in the archive about a specific confirmed exoplanet. All planetary, stellar and statistical information displays by default, and views can be customized by selecting and de-selecting fields in the bottom-left pane. Default parameter values (those listed in the Confirmed Planets table) are indicated by an orange background for the row. See the API Data Columns documentation for column descriptions.

Section Controls Update Reset

- Overview
  - Planet Orbital Properties
  - Planet Parameters
  - Planet Transit Properties
  - General Information
  - Summary of Stellar Information
- Stellar Information
- Astrometry
- Photometric Measurements
- Associated Data
  - Time Series
  - Spectra
  - Images

Version 2.2

MOA 2007-BLG-192L b

NASA Exoplanet Archive Links

Related Overviews				Transit Service
Confirmed		Kepler Pipeline		
Planet	Host	-	-	MOA 2007-BLG-192L b Transits

Planet Orbital Properties

Planet	Period (days)	Semi-Major Axis (AU)	Inclination (deg)	Eccentricity	Time of Periastron Passage	Longitude of Periastron (deg)	Date of Orbital Solution	Reference
b	null	0.62 $^{+0.22}_{-0.16}$	null	null	null	null	null	Bennett et al. 2008

Planet Parameters

Planet	M sin(i)		Mass		Radius			Density	Equilibrium Temperature	Reference
	(Jupiter Mass)	(Earth Mass)	(Jupiter Mass)	(Earth Mass)	(Solar Radii)	(Jupiter Radii)	(Earth Radii)	(g/cm^3)	(K)	
b	null	null	0.010 $^{+0.015}_{-0.005}$	3.3 $^{+4.9}_{-1.6}$	null	null	null	null	null	Bennett et al. 2008

Planet Transit Properties

Planet	Depth (perc)	Duration (days)	Duration (hours)	Mid-Point	Impact Parameter	Occultation Depth	Ratio of Distance to Stellar Radius	Ratio of Planet to Stellar Radius	Reference
b	null	null	null	null	null	null	null	null	Bennett et al. 2008

General Information

Planet	Discovery			System Information			Kepler Flag	TTV Flag	Exoplanet Encyclopedia Link	Exoplanets Data Explorer Link
	Method	Year	Reference	Number of Stars	Number of Planets	Circumbinary Flag				
b	Microlensing	2008	Bennett et al. 2008	1	1	0	0	0	http://exoplanet.eu/catalog/moa-2007-blg-192-l_b/	http://exoplanets.org/detail/MOA-2007-E

Summary of Stellar Information

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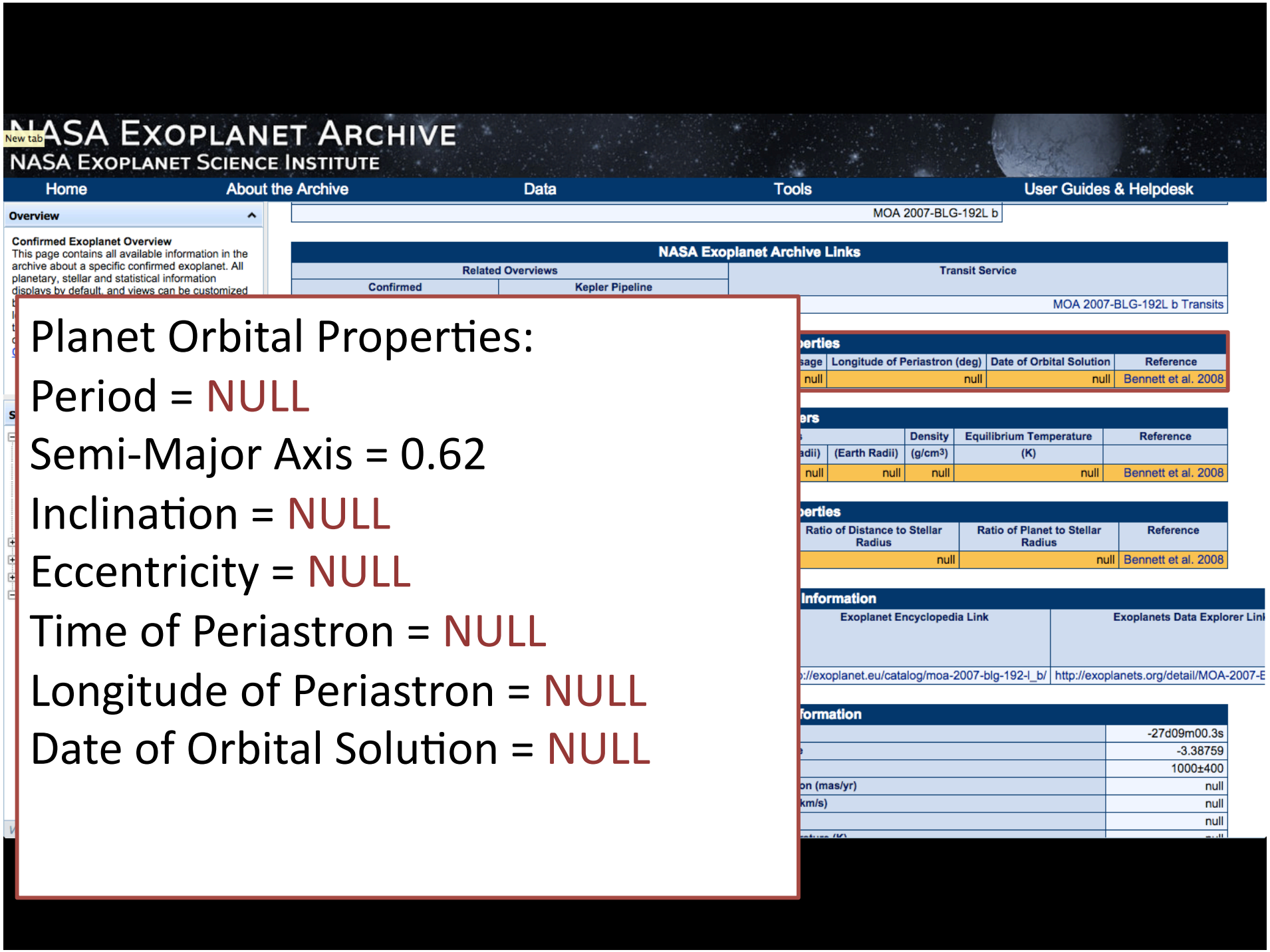
Total Proper Motion (mas/yr)	null	Radial Velocity (km/s)	null
B-band (mag)	null	K-band (mag)	null
Spectral Type	null	Effective Temperature (K)	null



Planet Orbital Properties:

Period = NULL

Semi-Major Axis = 0.62

Inclination = NULL

Eccentricity = NULL

Time of Periastron = NULL

Longitude of Periastron = NULL

Date of Orbital Solution = NULL

Upcoming Improvements

- Include observational μlensing parameters
- Collecting data for all published planets

Microlensing Parameters

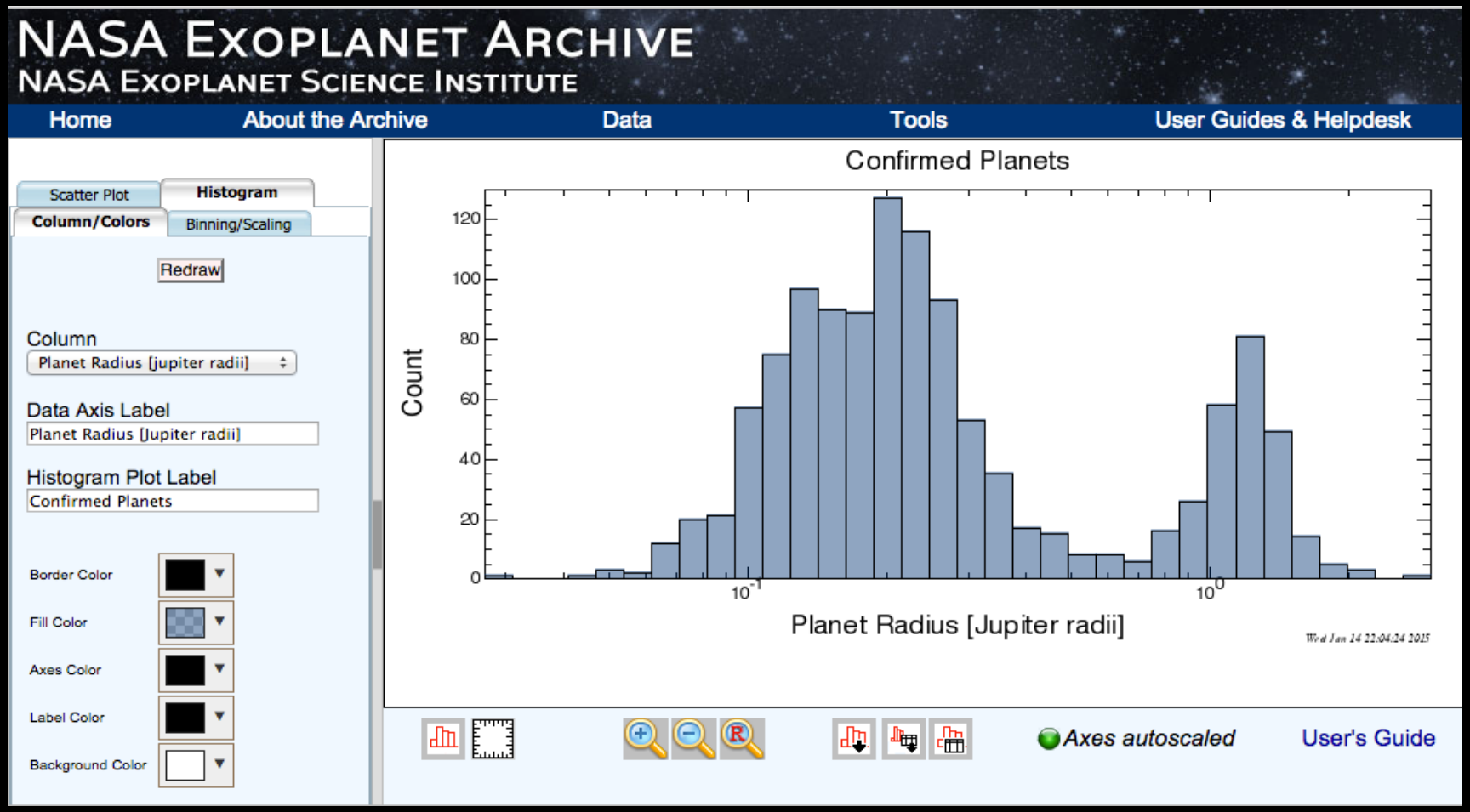
- Easy event selection by parameter range
  - E.g. all events with $t_E < 2d$
- Links to publications/ADS
- Links to published lightcurves

Microlensing Parameters

- Combine with customizible NExSci plotting facilities for population analysis
  - E.g. on-sky distribution of selected events
  - Histograms wrt lensing parameters

  - Increasingly useful as population of events increases

Microlensing Parameters



Wide Public User Base

- Exoplanet archives useful to researchers
  - Expected standard of data dissemination
- Reference to scientists outside microlensing
  - E.g. grant panel reviewers looking for fact-check
- Makes microlensing more accessible, attracting students/post-docs to build capacity

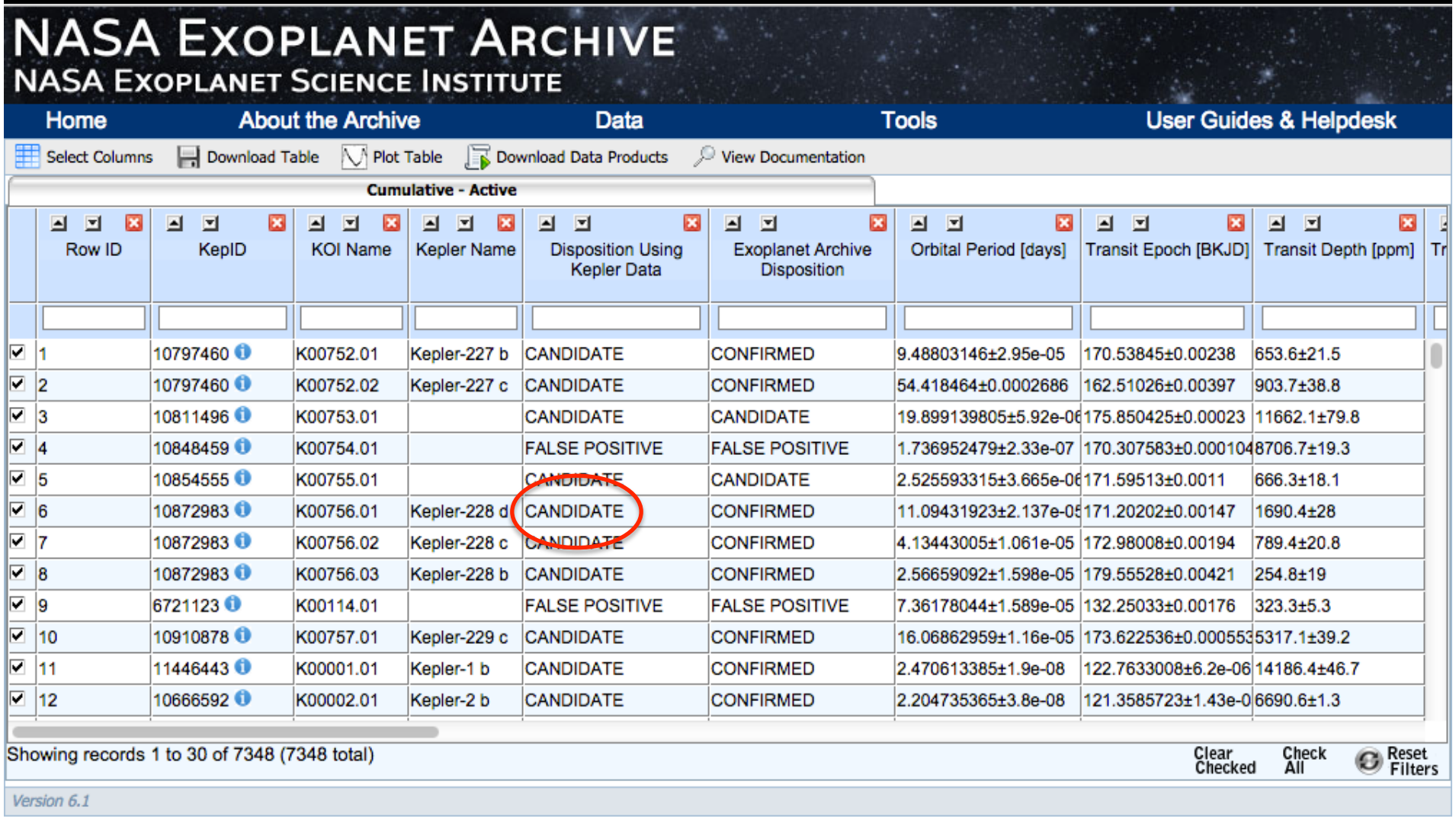
Published Lightcurve Data

- Long term public archive for lightcurve data from published event papers
- Propose that lead author of paper gather the lightcurves
- Standardized (but straight-forward) format
- Public tools for preparing data for ingest

Future Directions

- Archive parameters of all events
- Make PUBLIC large, microlensing datasets
- Interface to lightcurve plotting/analysis tools
- Other ideas?

Archiving parameters for all events



NASA EXOPLANET ARCHIVE
NASA EXOPLANET SCIENCE INSTITUTE

Home | About the Archive | Data | Tools | User Guides & Helpdesk

Select Columns | Download Table | Plot Table | Download Data Products | View Documentation

Cumulative - Active

	Row ID	KepID	KOI Name	Kepler Name	Disposition Using Kepler Data	Exoplanet Archive Disposition	Orbital Period [days]	Transit Epoch [BKJD]	Transit Depth [ppm]	Tr
☑	1	10797460	K00752.01	Kepler-227 b	CANDIDATE	CONFIRMED	9.48803146±2.95e-05	170.53845±0.00238	653.6±21.5	
☑	2	10797460	K00752.02	Kepler-227 c	CANDIDATE	CONFIRMED	54.418464±0.0002686	162.51026±0.00397	903.7±38.8	
☑	3	10811496	K00753.01		CANDIDATE	CANDIDATE	19.899139805±5.92e-06	175.850425±0.00023	11662.1±79.8	
☑	4	10848459	K00754.01		FALSE POSITIVE	FALSE POSITIVE	1.736952479±2.33e-07	170.307583±0.000104	8706.7±19.3	
☑	5	10854555	K00755.01		CANDIDATE	CANDIDATE	2.525593315±3.665e-06	171.59513±0.0011	666.3±18.1	
☑	6	10872983	K00756.01	Kepler-228 d	CANDIDATE	CONFIRMED	11.09431923±2.137e-05	171.20202±0.00147	1690.4±28	
☑	7	10872983	K00756.02	Kepler-228 c	CANDIDATE	CONFIRMED	4.13443005±1.061e-05	172.98008±0.00194	789.4±20.8	
☑	8	10872983	K00756.03	Kepler-228 b	CANDIDATE	CONFIRMED	2.56659092±1.598e-05	179.55528±0.00421	254.8±19	
☑	9	6721123	K00114.01		FALSE POSITIVE	FALSE POSITIVE	7.36178044±1.589e-05	132.25033±0.00176	323.3±5.3	
☑	10	10910878	K00757.01	Kepler-229 c	CANDIDATE	CONFIRMED	16.06862959±1.16e-05	173.622536±0.000553	5317.1±39.2	
☑	11	11446443	K00001.01	Kepler-1 b	CANDIDATE	CONFIRMED	2.470613385±1.9e-08	122.7633008±6.2e-06	14186.4±46.7	
☑	12	10666592	K00002.01	Kepler-2 b	CANDIDATE	CONFIRMED	2.204735365±3.8e-08	121.3585723±1.43e-0	6690.6±1.3	

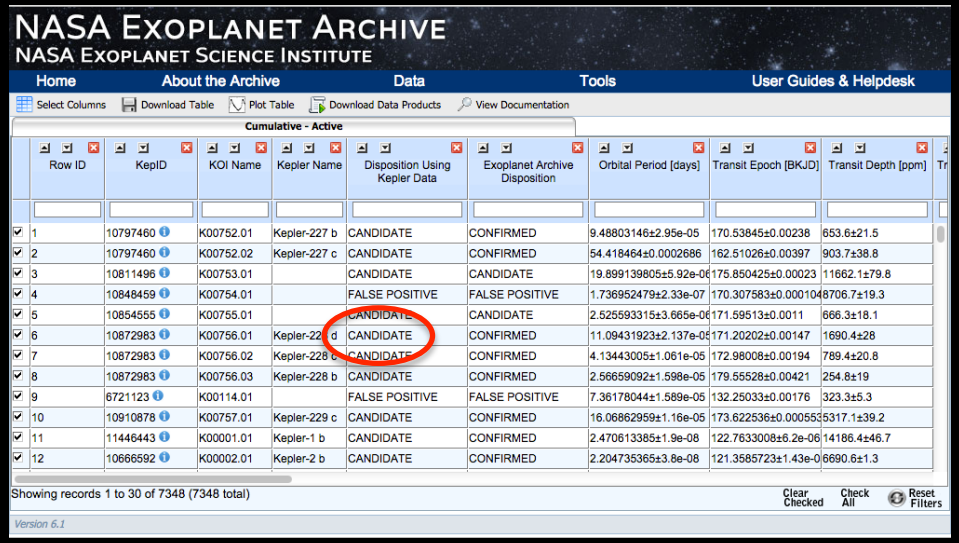
Showing records 1 to 30 of 7348 (7348 total)

Clear Checked | Check All | Reset Filters

Version 6.1

Archiving parameters for all events

- Archive parameters of all complete events
(e.g. at the end of each season)
- Unpublished events flagged
- Events completed ➔ parameters better known



Long term searchable archive of information already in public domain

Option to share additional data

Provides infrastructure ready for WFIRST-AFTA, Euclid

Large Datasets

- Large-scale data release of lightcurves
- E.g. Entire SuperWASP lightcurve archive

- What the archive CAN'T do
  - Host significant image data collections [cost]
  - Host permanently-private data collections [policy]

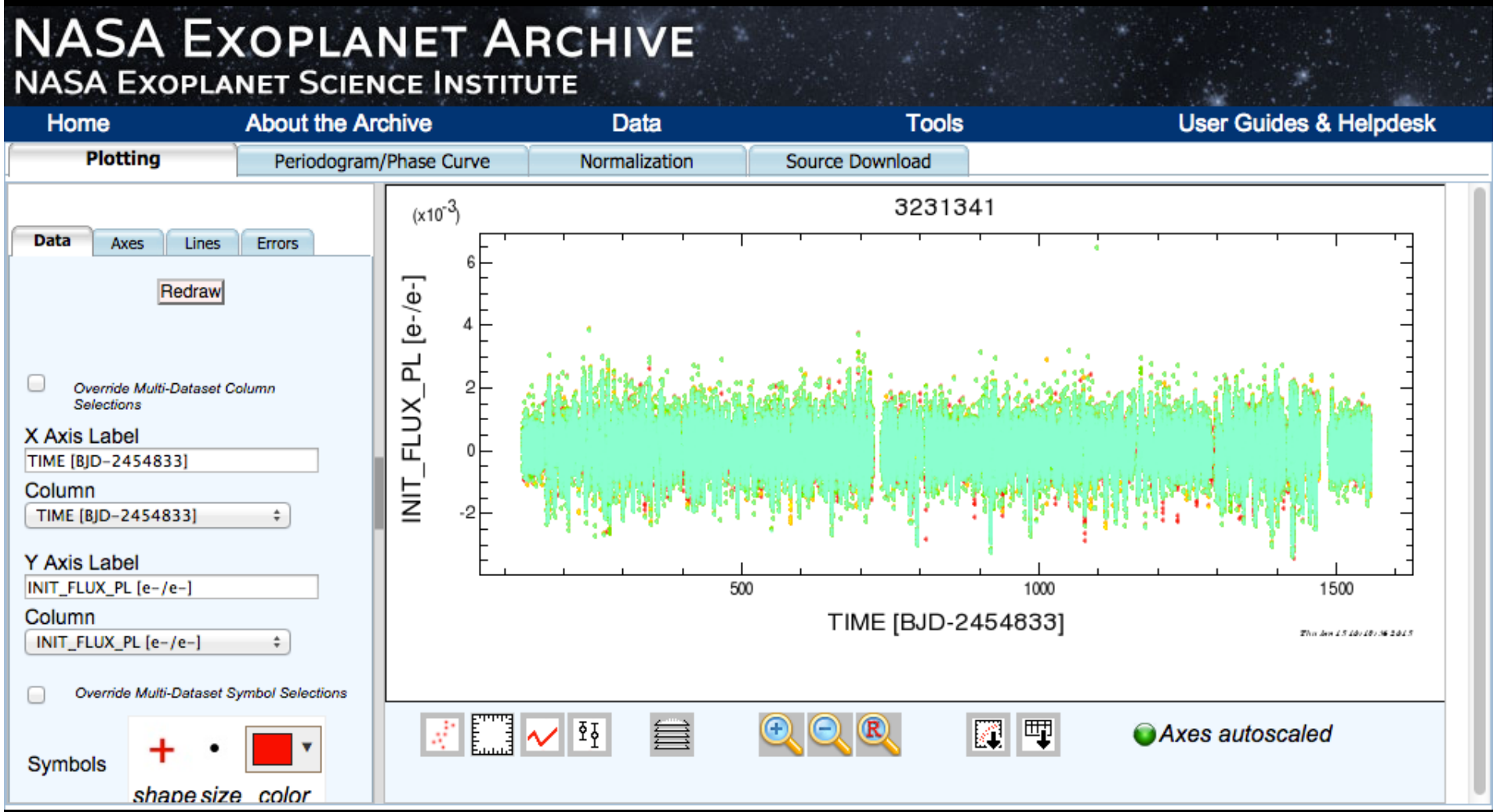
Large Datasets

- What the archive COULD do
  - Embargo data until agreed release date
  - Host large-scale survey data releases
  - *Funding available to support data preparation*

- Public archives ensure lasting science impact well beyond original survey goals

- Diverse science return

Lightcurve Tools



Lightcurve Tools

- Need to build analysis capacity
  - Next generation surveys, WFIRST/Euclid
- Program to develop highly automated, open source software for microlensing events
  - *NASA-funded post-doc position available at LCOGT*
- Interactive interface via IPAC

Summary

- Archive will
  - include observational μlensing parameters
  - collect data for all published planets
- Future directions could include
  - archive parameters of all events
  - host large public microlensing datasets
  - interface to lightcurve plotting/analysis tools
- Other ideas?

Questions for the archive?