

## 2013 TH6

First observed at Mt. Lemmon Survey on 2013-10-05.

(Discoverer will be defined when the object is numbered. See [this note](#) on how discoverers are determined.)

## Orbit

Orbit type: Apollo

Near-Earth Object

One opposition object seen prior.

Interactive Orbit Sketch

Note: WebGL enabled browser required.

epoch	2019-04-27.0	semimajor axis (AU)	2.0534107	<u>uncertainty</u>	7
epoch JD	2458600.5	mean anomaly (°)	332.74487	reference	MPO 272613
perihelion date	2019-07-17.36885	mean daily motion (°/day)	0.33495780	observations used	22
perihelion JD	2458681.86885	aphelion distance (AU)	3.193	oppositions	1
argument of perihelion (°)	316.28587	period (years)	2.94	arc length (days)	7
ascending node (°)	4.87748	P-vector [x]	0.77802378	first opposition used	2013
inclination (°)	10.11466	P-vector [y]	-0.51726126	last opposition used	2013
eccentricity	0.5550043	P-vector [z]	-0.35653863	residual rms (arc-secs)	0.30
perihelion distance (AU)	0.9137589	Q-vector [x]	0.62805735	<u>perturbers coarse indicator</u>	M-v
Tisserand w.r.t. Jupiter	3.6	Q-vector [y]	0.65389904	<u>perturbers precise indicator</u>	003Eh
ΔV w.r.t. Earth (km/sec)	6.8	Q-vector [z]	0.42185306	first observation date used	2013-10-05.0
		absolute magnitude	25.8	last observation date used	2013-10-12.0
		phase slope	0.15	computer name	MPCADO

JD of orbit computation	2456577.734950
perihelion JD uncertainty (days)	1.2105E-02
argument of perihelion uncertainty (°)	1.5969E-03
ascending node uncertainty (°)	8.9359E-04
inclination uncertainty (°)	1.1957E-02
eccentricity uncertainty	9.5203E-04
perihelion distance uncertainty (AU)	9.9054E-05

Minimum Orbit Intersection Distances (in AU)  
for orbit epoch: 2458600.5, reference: MPO272613

Mercury	0.49328
Venus	0.19217
Earth	0.00619
Mars	0.16951
Jupiter	2.19749
Saturn	6.0635
Uranus	15.1544
Neptune	27.0796

## Observations

22 total observations over interval: 2013 10 05.24784 – 2013 10 12.22918

These data are available for [download](#) ([format description](#)).

Date (UT)	J2000 RA	J2000 Dec	Magn	<u>Location</u>	<u>Ref</u>
2013 10 05.24784	00 01 18.00	+24 29 21.7	20.9 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.25390	00 01 20.05	+24 29 57.7	21.2 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.25992	00 01 22.14	+24 30 33.2	21.1 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.26580	00 01 24.15	+24 31 07.4	21.1 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.37589	00 02 01.76	+24 41 29.9	20.4 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.38043	00 02 03.30	+24 41 54.1	20.4 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.38498	00 02 04.92	+24 42 19.4	20.5 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.38951	00 02 06.55	+24 42 44.0	20.0 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.39404	00 02 08.03	+24 43 08.3	21.4 V	G96 – Mt. Lemmon Survey	MPS 480418
2013 10 05.88600	00 05 19.51	+25 25 56.5		J95 – Great Shefford	MPS 480418
2013 10 05.90454	00 05 25.30	+25 27 30.8		J95 – Great Shefford	MPS 480418
2013 10 05.92475	00 05 31.62	+25 29 10.9	20.6 R	J95 – Great Shefford	MPS 480418
2013 10 06.27505	00 07 27.54	+25 57 26.6	21.0 R	926 – Tenagra II Observatory, Nogales	MPS 480418
2013 10 06.28019	00 07 28.94	+25 57 50.2	21.1 R	926 – Tenagra II Observatory, Nogales	MPS 480418
2013 10 06.28530	00 07 30.32	+25 58 12.9	21.0 R	926 – Tenagra II Observatory, Nogales	MPS 480418
2013 10 09.12303	00 19 36.27	+28 33 44.2	21.9 R	291 – LPL/Spacewatch II	MPS 480418
2013 10 09.12905	00 19 37.33	+28 33 59.8	21.3 R	291 – LPL/Spacewatch II	MPS 480418
2013 10 09.13509	00 19 38.39	+28 34 15.4	21.6 R	291 – LPL/Spacewatch II	MPS 480418
2013 10 12.20431	00 27 51.27	+30 05 50.1	21.5 R	H01 – Magdalena Ridge Observatory, Socorro	MPS 480418
2013 10 12.20773	00 27 51.62	+30 05 54.7	21.8 R	H01 – Magdalena Ridge Observatory, Socorro	MPS 480418
2013 10 12.22273	00 27 53.14	+30 06 15.4	21.7 R	H01 – Magdalena Ridge Observatory, Socorro	MPS 480418
2013 10 12.22918	00 27 53.79	+30 06 23.9	21.5 R	H01 – Magdalena Ridge Observatory, Socorro	MPS 480418