

OBSERVERS

DATA

IAWN

BETA

STATUS

2017 UQ7

First observed at Mt. Lemmon Survey on 2017-10-26.
(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)	1.0824665	<u>uncertainty</u>	7
epoch JD	2458600.5	mean anomaly (°)	177.47487	reference	MPO 473487
perihelion date	2018-10-06.20618	mean daily motion (°/day)	0.87514930	observations used	59
perihelion JD	2458397.70618	aphelion distance (AU)	1.537	oppositions	1
argument of perihelion (°)	74.46204	period (years)	1.13	arc length (days)	16
ascending node (°)	209.96810	P-vector [x]	0.24389443	first opposition used	2017
inclination (°)	8.51497	P-vector [y]	-0.93684206	last opposition used	2017
eccentricity	0.4195096	P-vector [z]	-0.25068397	residual rms (arc-secs)	0.31
perihelion distance (AU)	0.6283614	Q-vector [x]	0.96697728	<u>perturbers_coarse_indicator</u>	M-v
Tisserand w.r.t. Jupiter	5.6	Q-vector [y]	0.21520537	<u>perturbers_precise_indicator</u>	003Eh
ΔV w.r.t. Earth (km/sec)	7.6	Q-vector [z]	0.13653420	first observation date used	2017-10-26.0
		absolute magnitude	25.3	last observation date used	2017-11-11.0
		phase slope	0.15	computer name	MPCW

JD of orbit computation	2458591.951219
perihelion JD uncertainty (days)	1.0356E-01
argument of perihelion uncertainty (°)	1.9961E-03
ascending node uncertainty (°)	4.2245E-04
inclination uncertainty (°)	3.8913E-03
eccentricity uncertainty	1.7836E-04
perihelion distance uncertainty (AU)	1.0018E-04

Minimum Orbit Intersection Distances (in AU)
for orbit epoch: 2458600.5, reference: E2019-H15

Mercury	0.20263
Venus	0.01059
Earth	0.00301
Mars	0.21406
Jupiter	3.629
Saturn	7.57802
Uranus	16.9772
Neptune	28.5279

Observations

59 total observations over interval: 2017 10 26.21101 – 2017 11 11.21143
These data are available for [download](#) ([format description](#)).

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2017 10 26.21101	23 47 27.96	-10 00 50.8	19.1 G	G96 – Mt. Lemmon Survey	MPS 831866
2017 10 26.21632	23 47 36.77	-10 00 42.8	19.0 G	G96 – Mt. Lemmon Survey	MPS 831866
2017 10 26.22163	23 47 45.56	-10 00 35.0	18.7 G	G96 – Mt. Lemmon Survey	MPS 831866
2017 10 26.22693	23 47 54.32	-10 00 26.8	19.1 G	G96 – Mt. Lemmon Survey	MPS 831866
2017 10 26.250800	23 48 32.60	-09 59 54.8	18.4 G	H01 – Magdalena Ridge Observatory, Socorro	MPS 831866
2017 10 26.259264	23 48 46.44	-09 59 41.5	19.0 G	H01 – Magdalena Ridge Observatory, Socorro	MPS 831866
2017 10 26.265081	23 48 55.93	-09 59 32.2	18.7 G	H01 – Magdalena Ridge Observatory, Socorro	MPS 831866
2017 10 26.273354	23 49 09.39	-09 59 19.0	18.7 G	H01 – Magdalena Ridge Observatory, Socorro	MPS 831866
2017 10 26.28944	23 49 39.30	-09 59 10.4	19.0 R	G58 – Chabot Space and Science Center, Oakland	MPS 831866
2017 10 26.29152	23 49 42.66	-09 59 07.0	18.8 R	G58 – Chabot Space and Science Center, Oakland	MPS 831866
2017 10 26.29361	23 49 46.01	-09 59 03.9	19.0 R	G58 – Chabot Space and Science Center, Oakland	MPS 831866
2017 10 26.29569	23 49 49.36	-09 59 00.8	18.8 R	G58 – Chabot Space and Science Center, Oakland	MPS 831866
2017 10 26.31789	23 50 21.89	-09 58 02.8	19.3 G	I52 – Steward Observatory, Mt. Lemmon Station	MPS 831866
2017 10 26.31844	23 50 22.77	-09 58 01.9	19.1 G	I52 – Steward Observatory, Mt. Lemmon Station	MPS 831866
2017 10 26.31898	23 50 23.62	-09 58 01.4	19.2 G	I52 – Steward Observatory, Mt. Lemmon Station	MPS 831866
2017 10 26.31953	23 50 24.52	-09 58 00.7	19.3 G	I52 – Steward Observatory, Mt. Lemmon Station	MPS 831866
2017 10 26.82147	00 03 13.42	-09 46 17.2	18.7 R	Z84 – Calar Alto-Schmidt	MPS 831866
2017 10 26.82501	00 03 17.88	-09 46 12.9	18.8 R	Z84 – Calar Alto-Schmidt	MPS 831866
2017 10 26.82887	00 03 22.74	-09 46 07.8	19.1 R	Z84 – Calar Alto-Schmidt	MPS 831866
2017 10 26.86126	00 04 00.26	-09 45 45.8	19.1	K63 – G. Pascoli Observatory, Castelveccchio Pascoli	MPS 831866
2017 10 26.86505	00 04 05.02	-09 45 40.4	19.4	K63 – G. Pascoli Observatory, Castelveccchio Pascoli	MPS 831866
2017 10 26.87721	00 04 20.08	-09 45 22.8	18.7	K63 – G. Pascoli Observatory, Castelveccchio Pascoli	MPS 831866
2017 10 27.05751	00 08 13.70	-09 40 50.0	19.3 V	W34 – Squirrel Valley Observatory, Columbus	MPS 831866
2017 10 27.07868	00 08 37.77	-09 40 22.6	19.3 V	W34 – Squirrel Valley Observatory, Columbus	MPS 831866
2017 10 27.13717	00 09 49.11	-09 38 55.6	19.9 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 27.13751	00 09 49.47	-09 38 55.1	19.5 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 27.13784	00 09 49.83	-09 38 54.7	19.3 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 27.13817	00 09 50.18	-09 38 54.6	19.8 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 27.17562	00 10 31.13	-09 38 04.6	19.1 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 27.17752	00 10 33.20	-09 38 02.1	19.1 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 27.17943	00 10 35.26	-09 37 59.8	19.2 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 27.20302	00 10 58.98	-09 37 28.3		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 27.20501	00 11 01.10	-09 37 25.4		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 27.20882	00 11 05.13	-09 37 20.3		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 27.21094	00 11 07.40	-09 37 17.5		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 27.94978	00 23 21.06	-09 22 49.2	19.9 V	595 – Farra d'Isonzo	MPS 831866
2017 10 27.95724	00 23 27.18	-09 22 40.1	19.7 V	595 – Farra d'Isonzo	MPS 831866
2017 10 28.12480	00 25 59.02	-09 18 57.5	19.8 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 28.12746	00 26 01.02	-09 18 54.5	19.9 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 28.13014	00 26 03.06	-09 18 52.0	19.7 R	926 – Tenagra II Observatory, Nogales	MPS 831866
2017 10 28.16663	00 26 30.39	-09 18 17.1	19.9 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 28.16702	00 26 30.68	-09 18 17.1	19.8 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 28.16741	00 26 30.97	-09 18 16.5	20.1 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 28.16780	00 26 31.25	-09 18 16.0	19.8 G	V06 – Catalina Sky Survey-Kuiper	MPS 831866
2017 10 28.19546	00 26 50.38	-09 17 42.6		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 28.19740	00 26 51.75	-09 17 40.6		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 28.20001	00 26 53.75	-09 17 38.4		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 28.20282	00 26 55.71	-09 17 35.1		711 – McDonald Observatory, Fort Davis	MPS 831866
2017 10 30.10753	00 46 09.57	-08 48 21.5	20.9 R	291 – LPL/Spacewatch II	MPS 831866
2017 10 30.11856	00 46 14.17	-08 48 13.4		291 – LPL/Spacewatch II	MPS 831866
2017 10 30.12958	00 46 18.78	-08 48 06.2	20.9 R	291 – LPL/Spacewatch II	MPS 831866
2017 10 31.15413	00 53 03.38	-08 33 40.5	20.9 V	807 – Cerro Tololo Observatory, La Serena	MPS 831866
2017 10 31.15695	00 53 04.25	-08 33 38.7	20.7 V	807 – Cerro Tololo Observatory, La Serena	MPS 831866
2017 10 31.16016	00 53 05.24	-08 33 36.5	20.6 V	807 – Cerro Tololo Observatory, La Serena	MPS 831866
2017 11 06.367501	01 15 00.101	-07 40 49.99	22.1 G	F51 – Pan-STARRS 1, Haleakala	MPS 990864
2017 11 06.382383	01 15 01.564	-07 40 43.72	22.7 G	F51 – Pan-STARRS 1, Haleakala	MPS 990864
2017 11 11.18101	01 23 14.32	-07 04 44.5	23.0 G	807 – Cerro Tololo Observatory, La Serena	MPS 835765
2017 11 11.19624	01 23 15.33	-07 04 37.5	23.0 G	807 – Cerro Tololo Observatory, La Serena	MPS 835765
2017 11 11.21143	01 23 16.34	-07 04 30.6	23.0 G	807 – Cerro Tololo Observatory, La Serena	MPS 835765