

OBSERVERS

DATA

IAWN

MPC status

2016 J038

First observed at Cerro Tololo-DECam on 2016-05-03.
(Discoverer will be defined when the object is numbered. See [this note](#) on how discoverers are determined.)

Orbit

Orbit type: Apollo
Near-Earth Object

Interactive Orbit Sketch

Note: WebGL enabled browser required.

epoch	2016-04-22.0	semimajor axis (AU)	1.4380427	orbit note	E
epoch JD	2457500.5	mean anomaly (°)	299.81746	reference	MPO 382825
perihelion date	2016-08-05.29903	mean daily motion (°/day)	0.57153940	observations used	15
perihelion JD	2457605.79903	aphelion distance (AU)	1.942	oppositions	1
argument of perihelion (°)	311.73056	period (years)	1.72	arc length (days)	1
ascending node (°)	4.78859	P-vector [x]	0.72557651	first opposition used	2016
inclination (°)	1.71559	P-vector [y]	-0.62213734	last opposition used	2016
eccentricity	0.3502136	P-vector [z]	-0.29408137	residual rms (arc-secs)	0.10
perihelion distance (AU)	0.9344207	Q-vector [x]	0.68813696	perturbers coarse indicator	
Tisserand w.r.t. Jupiter	4.6	Q-vector [y]	0.65752948	perturbers precise indicator	0000
ΔV w.r.t. Earth (km/sec)	5.0	Q-vector [z]	0.30679391	first observation date used	2016-05-03.0
		absolute magnitude	24.8	last observation date used	2016-05-04.0
		phase slope	0.15	computer name	MPCW

Minimum Orbit Intersection Distances (in AU)
for orbit epoch: 2457500.5, reference: MPO382825

Mercury	0.50787
Venus	0.20756
Earth	0.00283
Mars	0.02068
Jupiter	3.35116
Saturn	7.23269
Uranus	16.3765
Neptune	28.2536

Observations

15 total observations over interval: 2016 05 03.29327 – 2016 05 04.26142
These data are available for [download](#) ([format description](#)).

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2016 05 03.29327	14 33 25.82	-20 09 34.5	23.1 V	W84 – Cerro Tololo-DECam	MPS 712048
2016 05 03.29648	14 33 25.43	-20 09 34.4		W84 – Cerro Tololo-DECam	MPS 712048
2016 05 03.29966	14 33 25.02	-20 09 34.3		W84 – Cerro Tololo-DECam	MPS 712048
2016 05 03.30288	14 33 24.62	-20 09 34.3		W84 – Cerro Tololo-DECam	MPS 712048
2016 05 03.30605	14 33 24.24	-20 09 34.1		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.23278	14 31 34.41	-20 09 40.9	22.9 V	W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.23595	14 31 33.99	-20 09 40.6		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.23914	14 31 33.56	-20 09 40.6		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.24233	14 31 33.15	-20 09 40.6		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.24549	14 31 32.72	-20 09 40.4		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.24867	14 31 32.29	-20 09 40.4		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.25186	14 31 31.87	-20 09 40.5		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.25505	14 31 31.46	-20 09 40.3		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.25824	14 31 31.02	-20 09 40.2		W84 – Cerro Tololo-DECam	MPS 712049
2016 05 04.26142	14 31 30.61	-20 09 40.2		W84 – Cerro Tololo-DECam	MPS 712049