



2018 EE9

First observed at Purple Mountain Observatory, XuYi Station on 2018-03-12.
(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	2019-04-27.0	semimajor axis (AU)	2.1692696	uncertainty	8
epoch JD	2458600.5	mean anomaly (°)	140.99598	reference	MPO 439042
perihelion date	2018-01-24.94004	mean daily motion (°/day)	0.30848470	observations used	13
perihelion JD	2458143.44004	aphelion distance (AU)	3.582	oppositions	1
argument of perihelion (°)	287.23152	period (years)	3.19	arc length (days)	14
ascending node (°)	172.43512	P-vector [x]	-0.16794366	first opposition used	2018
inclination (°)	1.21378	P-vector [y]	0.91230803	last opposition used	2018
eccentricity	0.6514693	P-vector [z]	0.37348225	residual rms (arc-secs)	0.18
perihelion distance (AU)	0.7560571	Q-vector [x]	-0.98579265	perturbers coarse indicator	M-v
Tisserand w.r.t. Jupiter	3.4	Q-vector [y]	-0.15649503	perturbers precise indicator	003Eh
ΔV w.r.t. Earth (km/sec)	7.2	Q-vector [z]	-0.06100946	first observation date used	2018-03-12.0
		absolute magnitude	26.1	last observation date used	2018-03-26.0
		phase slope	0.15	computer name	MPCLINUX

JD of orbit computation	2458204.196698
perihelion JD uncertainty (days)	3.5722E-02
argument of perihelion uncertainty (°)	1.6190E-03
ascending node uncertainty (°)	2.2058E-04
inclination uncertainty (°)	2.6720E-03
eccentricity uncertainty	1.6329E-03
perihelion distance uncertainty (AU)	3.6046E-04

Minimum Orbit Intersection Distances (in AU)
for orbit epoch: 2458600.5, reference: MPO439042

Mercury	0.44719
Venus	0.04746
Earth	0.00222
Mars	0.00259
Jupiter	1.62266
Saturn	6.47934
Uranus	15.6246
Neptune	26.6015

Observations

13 total observations over interval: 2018 03 12.66591 – 2018 03 26.31435
These data are available for [download](#) ([format description](#)).

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2018 03 12.66591	11 21 12.26	+03 43 32.7	20.5 R	D29 – Purple Mountain Observatory, XuYi Station	MPS 876225
2018 03 12.67453	11 21 15.57	+03 43 26.2	20.3 R	D29 – Purple Mountain Observatory, XuYi Station	MPS 876225
2018 03 12.68315	11 21 18.83	+03 43 20.4	20.2 R	D29 – Purple Mountain Observatory, XuYi Station	MPS 876225
2018 03 18.35883	11 41 18.293	+03 10 37.33	21.4 w	F51 – Pan-STARRS 1, Haleakala	MPS 876225
2018 03 18.37108	11 41 19.108	+03 10 35.33	21.5 w	F51 – Pan-STARRS 1, Haleakala	MPS 876225
2018 03 18.39551	11 41 20.731	+03 10 31.38	21.7 w	F51 – Pan-STARRS 1, Haleakala	MPS 876225
2018 03 22.20850	11 46 02.45	+03 01 16.0	22.8 G	V06 – Catalina Sky Survey-Kuiper	MPS 876225
2018 03 22.21788	11 46 02.78	+03 01 15.1	22.2 G	V06 – Catalina Sky Survey-Kuiper	MPS 876225
2018 03 22.22725	11 46 03.12	+03 01 14.1	21.9 G	V06 – Catalina Sky Survey-Kuiper	MPS 876225
2018 03 22.23663	11 46 03.43	+03 01 13.2	22.1 G	V06 – Catalina Sky Survey-Kuiper	MPS 876225
2018 03 26.28416	11 49 00.77	+02 54 37.2	23.2 G	807 – Cerro Tololo Observatory, La Serena	MPS 878938
2018 03 26.29923	11 49 01.11	+02 54 35.4	23.2 G	807 – Cerro Tololo Observatory, La Serena	MPS 878938
2018 03 26.31435	11 49 01.47	+02 54 33.6	23.2 G	807 – Cerro Tololo Observatory, La Serena	MPS 878938