

2015 HO182

First observed at Cerro Tololo-DECam on 2015-04-18.

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

Orbit

Orbit type: Amor

Near-Earth Object

One opposition object seen prior.

Interactive Orbit Sketch

Note: WebGL enabled browser required.

epoch	2019-04-27.0	semimajor axis (AU)	2.5595345	uncertainty	8
epoch JD	2458600.5	mean anomaly (°)	3.30684	reference	MPO 340537
perihelion date	2019-04-13.26113	mean daily motion (°/day)	0.24069240	observations used	8
perihelion JD	2458586.76113	aphelion distance (AU)	4.089	oppositions	1
argument of perihelion (°)	213.88894	period (years)	4.09	arc length (days)	1
ascending node (°)	309.34711	P-vector [x]	-0.95733210	first opposition used	2015
inclination (°)	1.60444	P-vector [y]	0.27096604	last opposition used	2015
eccentricity	0.5977411	P-vector [z]	0.10046219	residual rms (arc-secs)	0.07
perihelion distance (AU)	1.0295955	Q-vector [x]	-0.28817778	perturbers coarse indicator	M-v
Tisserand w.r.t. Jupiter	3.2	Q-vector [y]	-0.86905545	perturbers precise indicator	003Eh
ΔV w.r.t. Earth (km/sec)	6.5	Q-vector [z]	-0.40211464	first observation date used	2015-04-18.0
		absolute magnitude	27.0	last observation date used	2015-04-19.0
		phase slope	0.15	computer name	MPCW

JD of orbit computation	2457178.602344
perihelion JD uncertainty (days)	5.2512E-01
argument of perihelion uncertainty (°)	4.0222E+00
ascending node uncertainty (°)	3.1819E+00
inclination uncertainty (°)	1.3611E-02
eccentricity uncertainty	6.1982E-03
perihelion distance uncertainty (AU)	5.7421E-03

Minimum Orbit Intersection Distances (in AU)
for orbit epoch: 2458200.5, reference: MPO340537

Mercury	0.655127
Venus	0.316779
Earth	0.0408161
Mars	0.0081103
Jupiter	0.904721
Saturn	5.60701
Uranus	15.9588
Neptune	25.8527

Observations

8 total observations over interval: 2015 04 18.17720 – 2015 04 19.17283

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

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2015 04 18.17720	13 14 17.36	-21 08 27.7	23.9 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.18043	13 14 18.06	-21 08 28.0		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.18370	13 14 18.76	-21 08 28.1		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.18691	13 14 19.47	-21 08 28.6		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.19017	13 14 20.16	-21 08 28.8		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.16635	13 18 06.90	-21 09 29.8	23.8 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.16959	13 18 07.55	-21 09 30.0		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.17283	13 18 08.21	-21 09 30.1		W84 – Cerro Tololo-DECam	MPS 609960