

2015 HW182

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)	1.3097329	uncertainty	9
epoch JD	2458600.5	mean anomaly (°)	311.79416	reference	MPO 340538
perihelion date	2019-07-09.31113	mean daily motion (°/day)	0.65755150	observations used	9
perihelion JD	2458673.81113	aphelion distance (AU)	1.524	oppositions	1
argument of perihelion (°)	290.12291	period (years)	1.5	arc length (days)	1
ascending node (°)	193.59197	P-vector [x]	-0.55462093	first opposition used	2015
inclination (°)	3.61696	P-vector [y]	0.78506516	last opposition used	2015
eccentricity	0.1634490	P-vector [z]	0.27580484	residual rms (arc-secs)	0.07
perihelion distance (AU)	1.0956584	Q-vector [x]	-0.83197105	perturbers coarse indicator	M-v
Tisserand w.r.t. Jupiter	5.0	Q-vector [y]	-0.51728017	perturbers precise indicator	003Eh
ΔV w.r.t. Earth (km/sec)	4.9	Q-vector [z]	-0.20061258	first observation date used	2015-04-18.0
		absolute magnitude	25.4	last observation date used	2015-04-19.0
		phase slope	0.15	computer name	MPCW

JD of orbit computation	2457178.619839
perihelion JD uncertainty (days)	1.1953E+02
argument of perihelion uncertainty (°)	5.5867E+01
ascending node uncertainty (°)	1.2967E+01
inclination uncertainty (°)	3.8614E+00
eccentricity uncertainty	8.9987E-01
perihelion distance uncertainty (AU)	1.2254E+00

Minimum Orbit Intersection Distances (in AU)
for orbit epoch: 2458600.5, reference: MPO340538

Mercury	0.76492
Venus	0.38791
Earth	0.12622
Mars	0.04587
Jupiter	3.51831
Saturn	7.95644
Uranus	17.0634
Neptune	28.4795

Observations

9 total observations over interval: 2015 04 18.31077 – 2015 04 19.31067

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

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2015 04 18.31077	13 46 13.59	-06 16 22.2	23.2 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.31401	13 46 13.34	-06 16 18.6		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.32051	13 46 12.83	-06 16 11.4		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.32376	13 46 12.57	-06 16 07.5		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.29771	13 45 06.24	-05 58 22.0	23.3 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.30093	13 45 05.98	-05 58 18.3		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.30420	13 45 05.73	-05 58 14.7		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.30743	13 45 05.49	-05 58 11.3		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.31067	13 45 05.23	-05 58 07.7		W84 – Cerro Tololo-DECam	MPS 609960