

OBSERVERS

PUBLIC

DATA

IAWN

2015 HV182

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: Apollo

Potentially Hazardous Asteroid

One opposition object seen prior.

Interactive Orbit Sketch

Note: WebGL enabled browser required.

epoch	2019-04-27.0	semimajor axis (AU)	1.5371139	<u>uncertainty</u>	7
epoch JD	2458600.5	mean anomaly (°)	124.66470	reference	MPO 340538
perihelion date	2018-08-28.95465	mean daily motion (°/day)	0.51718360	observations used	9
perihelion JD	2458359.45465	aphelion distance (AU)	2.201	oppositions	1
argument of perihelion (°)	267.99458	period (years)	1.91	arc length (days)	1
ascending node (°)	166.87623	P-vector [x]	0.26097207	first opposition used	2015
inclination (°)	0.83754	P-vector [y]	0.89139742	last opposition used	2015
eccentricity	0.4317999	P-vector [z]	0.37054583	residual rms (arc-secs)	0.07
perihelion distance (AU)	0.8733882	Q-vector [x]	-0.96534065	<u>perturbers coarse indicator</u>	M-v
Tisserand w.r.t. Jupiter	4.4	Q-vector [y]	0.23965956	<u>perturbers precise indicator</u>	003Eh
ΔV w.r.t. Earth (km/sec)	5.6	Q-vector [z]	0.10334761	first observation date used	2015-04-18.0
		absolute magnitude	21.8	last observation date used	2015-04-19.0
		phase slope	0.15	computer name	MPCW

JD of orbit computation	2457179.160082
perihelion JD uncertainty (days)	9.0340E-02
argument of perihelion uncertainty (°)	4.3923E-02
ascending node uncertainty (°)	1.8757E-02
inclination uncertainty (°)	4.9303E-04
eccentricity uncertainty	1.8380E-04
perihelion distance uncertainty (AU)	2.0887E-04

Minimum Orbit Intersection Distances (in AU)

for orbit epoch: 2458200.5, reference: MPO340538

Mercury	0.566593
Venus	0.152777
Earth	0.008085
Mars	0.0160602
Jupiter	3.09139
Saturn	7.81035
Uranus	16.4331
Neptune	28.014

Observations

9 total observations over interval: 2015 04 18.27618 – 2015 04 19.27571

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

Date (UT)	J2000 RA	J2000 Dec	Magn	<u>Location</u>	<u>Ref</u>
2015 04 18.27618	13 26 19.81	-07 43 55.1	22.6 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.27943	13 26 19.46	-07 43 52.9		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.28268	13 26 19.13	-07 43 51.1		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.29056	13 26 18.31	-07 43 46.1		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 18.29379	13 26 17.97	-07 43 44.2		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.26599	13 24 40.62	-07 33 53.2	22.8 V	W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.26923	13 24 40.29	-07 33 51.3		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.27248	13 24 39.96	-07 33 49.4		W84 – Cerro Tololo-DECam	MPS 609960
2015 04 19.27571	13 24 39.62	-07 33 47.3		W84 – Cerro Tololo-DECam	MPS 609960