

# Minor Planet Ephemeris Service: Query Results

Below are the results of your request from the Minor Planet Center's Minor Planet Ephemeris Service. Ephemerides are for the geocenter.

## (136108) Haumea

[Display all designations for this object](#) / [Show naming citation](#) / # of variant orbits available = 3

Perturbed ephemeris below is based on 12-opp elements from *MPO* 103000. Last observed on 2010 Feb. 26.

Discovery date : 2003 03 07  
 Discovery site : Sierra Nevada  
 Discoverer(s) : Sierra Nevada

[Further observations?](#) None needed at this time.

D6108											Uncertainty info			
Date	UT	R.A. (J2000)			Decl.	Delta	r	El.	Ph.	V	Sky Motion		3-sig/"	P.A.
	h m s										"/min	P.A.		
2010 03 31	000000	13 44	31.1	+19 11 16	50.136	51.016	151.5	0.5	17.3	0.043	298.9		0	027.9
2010 04 01	000000	13 44	27.3	+19 11 46	50.134	51.015	151.7	0.5	17.3	0.043	298.3		0	022.0
2010 04 02	000000	13 44	23.5	+19 12 15	50.132	51.015	151.8	0.5	17.3	0.043	297.8		0	016.4
2010 04 03	000000	13 44	19.6	+19 12 44	50.131	51.015	152.0	0.5	17.3	0.043	297.2		0	010.5
2010 04 04	000000	13 44	15.7	+19 13 12	50.129	51.015	152.1	0.5	17.3	0.043	296.7		0	004.8
2010 04 05	000000	13 44	11.8	+19 13 39	50.128	51.015	152.1	0.5	17.3	0.043	296.2		0	357.3
2010 04 06	000000	13 44	07.9	+19 14 06	50.128	51.015	152.2	0.5	17.3	0.043	295.7		0	355.5
2010 04 07	000000	13 44	03.9	+19 14 33	50.127	51.014	152.1	0.5	17.3	0.043	295.1		0	350.5
2010 04 08	000000	13 43	59.9	+19 14 59	50.127	51.014	152.1	0.5	17.3	0.043	294.6		0	346.3
2010 04 09	000000	13 43	56.0	+19 15 24	50.127	51.014	152.0	0.5	17.3	0.043	294.1		0	342.6
2010 04 10	000000	13 43	52.0	+19 15 49	50.128	51.014	151.9	0.5	17.3	0.043	293.5		0	339.5
2010 04 11	000000	13 43	48.0	+19 16 14	50.129	51.014	151.8	0.5	17.3	0.043	293.0		0	336.4
2010 04 12	000000	13 43	44.0	+19 16 37	50.129	51.014	151.6	0.5	17.3	0.043	292.5		0	333.7
2010 04 13	000000	13 43	39.9	+19 17 01	50.131	51.014	151.4	0.5	17.3	0.043	291.9		0	331.3
2010 04 14	000000	13 43	35.9	+19 17 23	50.132	51.013	151.2	0.5	17.3	0.043	291.4		0	329.0
2010 04 15	000000	13 43	31.9	+19 17 45	50.134	51.013	151.0	0.5	17.3	0.042	290.8		0	326.9
2010 04 16	000000	13 43	27.8	+19 18 07	50.136	51.013	150.7	0.6	17.3	0.042	290.3		0	325.0
2010 04 17	000000	13 43	23.8	+19 18 28	50.138	51.013	150.4	0.6	17.3	0.042	289.8		0	323.2
2010 04 18	000000	13 43	19.7	+19 18 48	50.141	51.013	150.0	0.6	17.3	0.042	289.2		0	321.6
2010 04 19	000000	13 43	15.7	+19 19 08	50.143	51.013	149.7	0.6	17.3	0.042	288.7		0	320.1
2010 04 20	000000	13 43	11.6	+19 19 27	50.147	51.013	149.3	0.6	17.3	0.042	288.1		0	318.7

This service has been made possible by [Process Software Corporation](#), and their excellent VMS Web server, Purveyor.

These calculations have been performed on the [Tamkin Foundation Computing Network](#).

