

space situational awareness

→ NEAR-EARTH OBJECTS

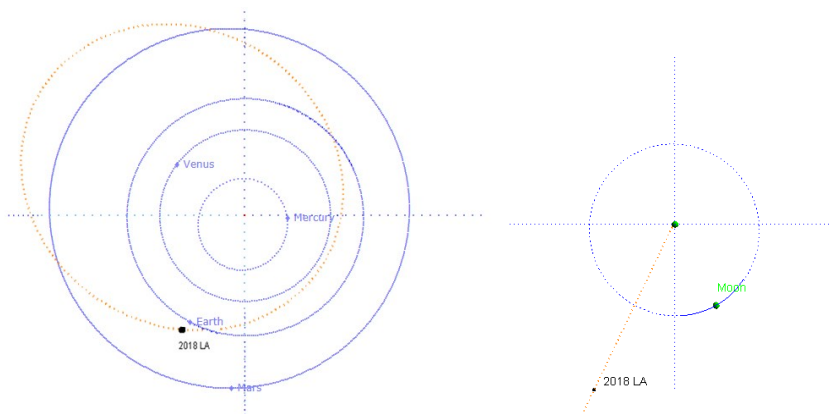
Close approach fact sheet for asteroid 2018 LA

A small asteroid impacted the Earth on 02 June 2018.

Impact date	2018-06-02
Impact time	~ 16:45 UTC
Minimum distance from Earth surface	The object impacted the Earth
Fly-by speed	17.0 km/s
Size range	2-5 m

Orbit information

Epoch	Orbital period years (days)	Aphelion Distance au	Perihelion distance au	Eccentricity	Inclination deg	Rotation Period hours
2018-05-02	1.61 (586)	1.959	0.783	0.429	4.279	Not known



Mitigation info

As the object impacted Earth, no mitigation action is required. In any case, for this type of small objects (below 10 m), no action is typically required.

Discovery date	Time to closest approach	Impact Probability	Composition
2018-06-02	Passed	1	Not known

Observational information

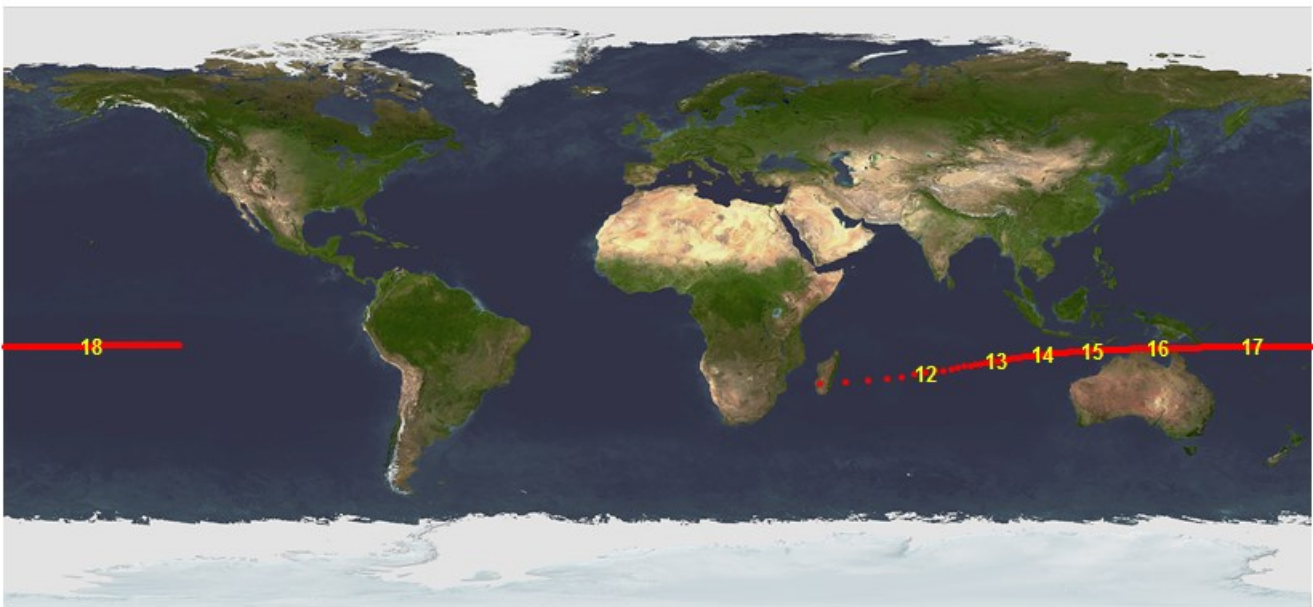
Discovery site	Observability	Visibility
Mt. Lemmon Survey	Highly variable during the incoming phases of the approach	Visible from the Pacific Ocean, Oceania and Asia in the hours immediately after discovery and before impact

Other information

Encounter peculiarities	Previous encounter	Next encounter
Impacted object	2010-05-23	No

Asteroid ground track

The asteroid ground track displayed below represents the movement of the sub-asteroid point over the Earth, from the time of the first observation to its approach to the Southern part of Africa, just before its impact. It shows that, at the time of discovery, the asteroid was over the Pacific Ocean, and then moved westward, passing over New Guinea, Indonesia, and finally over the Indian Ocean and Madagascar.



Links

NEO information:

<http://neo.ssa.esa.int/search-for-asteroids?sum=1&des=2018LA>

Priority list page:

<http://neo.ssa.esa.int/priority-list>

Close approaches page:

<http://neo.ssa.esa.int/close-approaches>

neo.ssa.esa.int

For further information please send an email to neocc@ssa.esa.int

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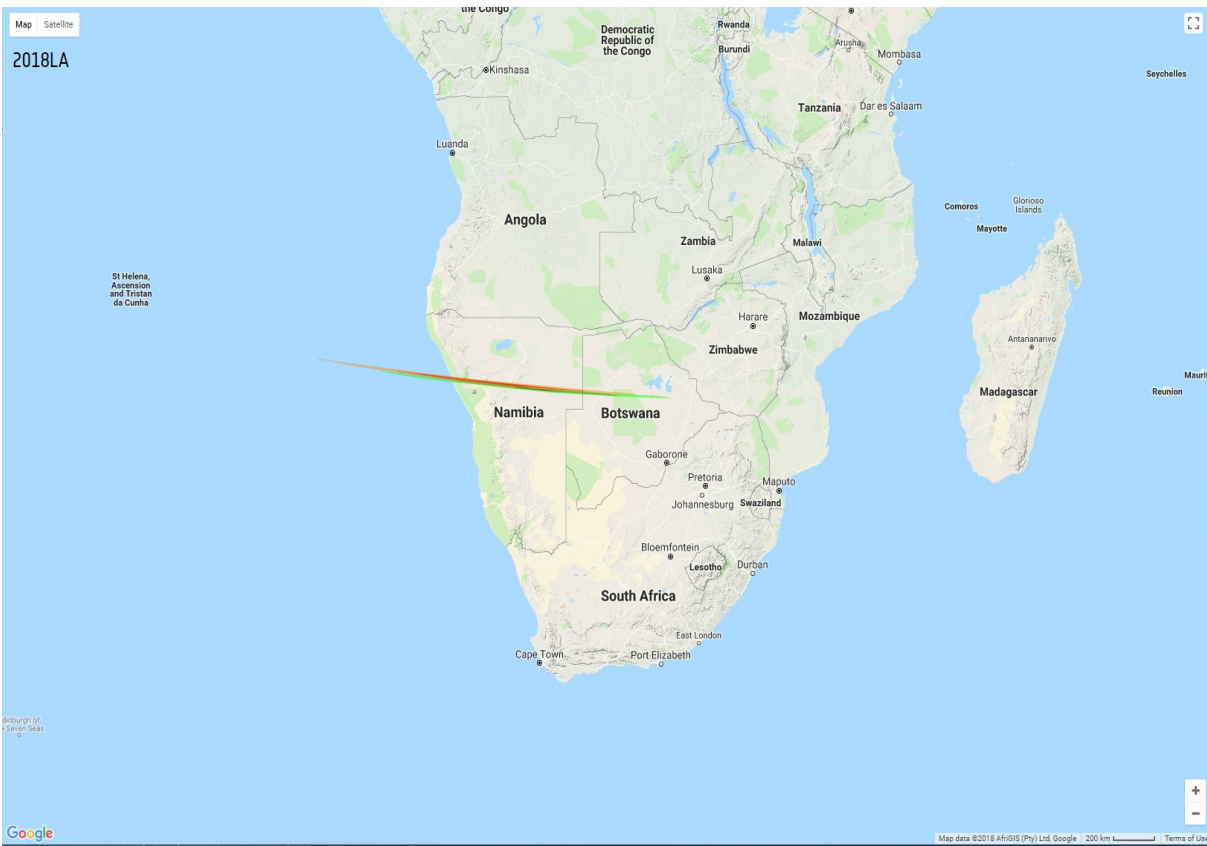


Impact risk information sheet for asteroid 2018 LA

Impact information

Size	Impact date	IP	TS	Velocity	Angle	Expected energy Mt
2-5 m	2018-06-02 ~ 16:45	1	0	17.0 km/s	Very low	0.001

Impact corridor plot



Impact effects

The asteroid entered the atmosphere as a large fireball and it is expected to have completely disintegrated in the atmosphere, except maybe for small meteorite fragments.

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