

space situational awareness

→ NEAR-EARTH OBJECTS

Close approach fact sheet for asteroid (3122) Florence

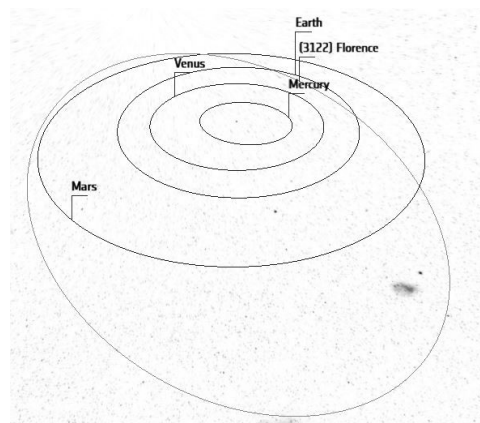
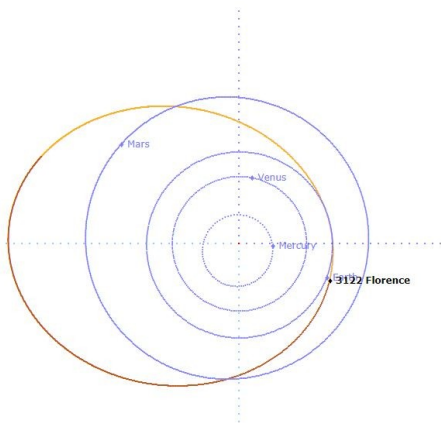
The fly-by is not very close to the Earth, but the object is large in size.

| | |
|-------------------------------------|---|
| Fly-by date | 2017-09-01 |
| Closest approach time | 12:05:50 UTC (± 1 s) |
| Minimum distance from Earth surface | 7 060 160 km, 18.367 Lunar Distances 0.047 194 au (± 10 km) |
| Fly-by speed | 13.5 km/s |
| Size | 4350 m |

Orbit information

No relevant changes in the orbit after the close approach.

| Date before and after fly-by | Orbital period years (days) | Aphelion Distance au | Perihelion distance au | Eccentricity | Inclination deg | Rotation Period hours |
|------------------------------|-----------------------------|----------------------|------------------------|--------------|-----------------|-----------------------|
| 2017-08-01 | 2.35 (859) | 2.516 | 1.020 | 0.423 | 22.151 | 2.358 |
| 2017-10-01 | 2.35 (859) | 2.518 | 1.020 | 0.423 | 22.145 | |



Mitigation information

No mitigation actions needed for this object.

| Discovery date | Time to closest approach | Impact Probability | Composition |
|----------------|--------------------------|--------------------|-------------|
| 1981-03-02 | 30 hours | 0 | Rocky |

Observational information

| Discovery site | Peak brightness | Observability | Visibility |
|---------------------------|-----------------|--|------------|
| Siding Spring Observatory | ~8.6 | Observable with large binoculars or small telescopes | Global |

Other information

| Encounter peculiarities | Next encounter | Previous encounter |
|-------------------------|----------------|--------------------|
| Large asteroid | 2057-09-02 | 1977-09-07 |

Links

NEO information:

<http://neo.ssa.esa.int/search-for-asteroids?sum=1&des=3122%20Florence>

Orbit visualizer (short URL provided):

<https://goo.gl/7yhWMN>

Priority list page:

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

Close approaches page:

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

