

Earth Orbiting Satellites

Destination Space Workshop

June 20, 2022

By
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Are you awake?



Summary – Earth Orbiting Satellites

1. What are earth orbiting satellites used for?
2. What orbits are earth orbiting?
3. How do satellites get into earth orbits?
4. How do satellites stay in earth orbit?
5. How many satellites are orbiting the earth?
6. What are different sizes of satellites?

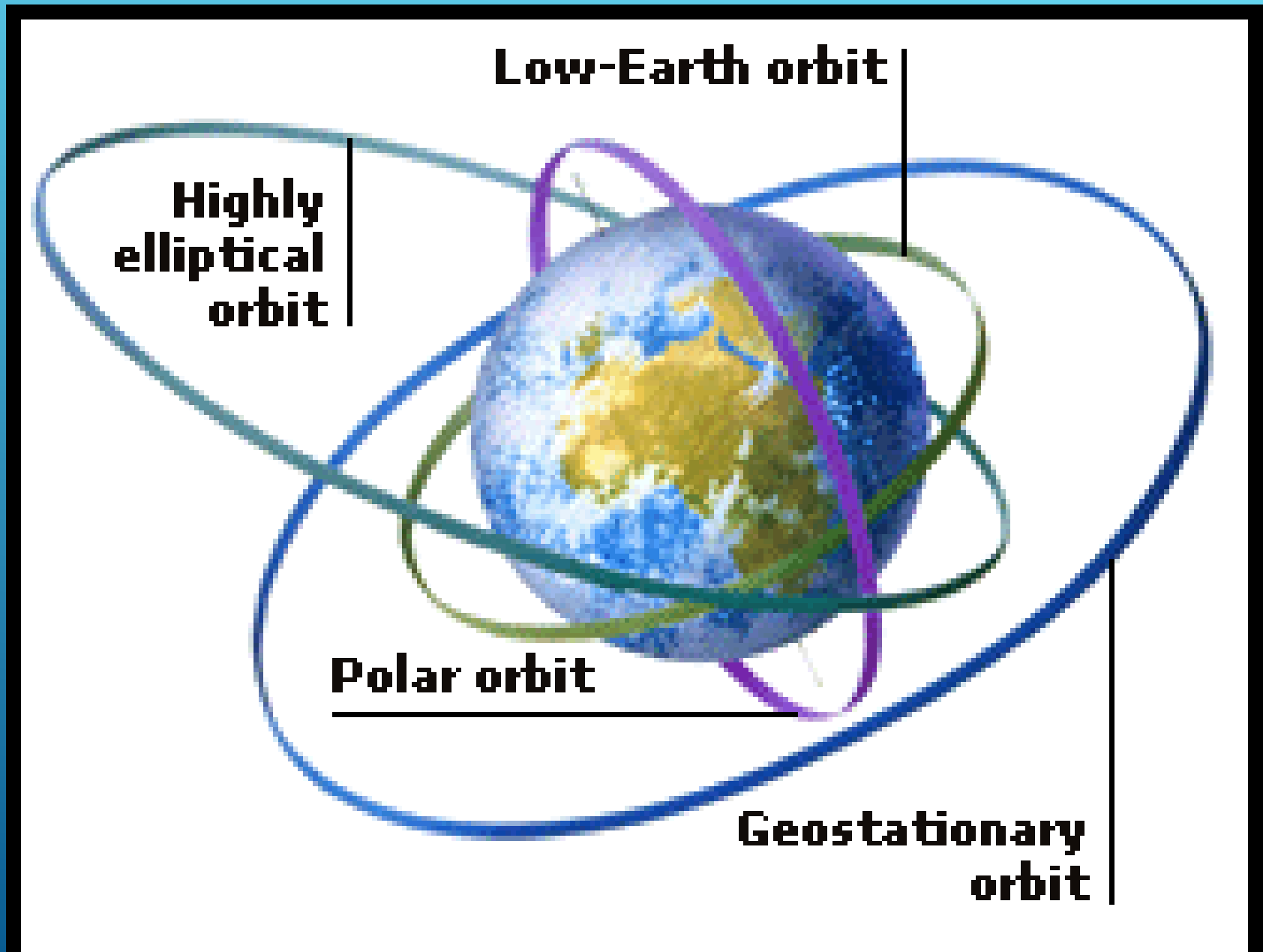
1. What are earth orbiting satellites used for?



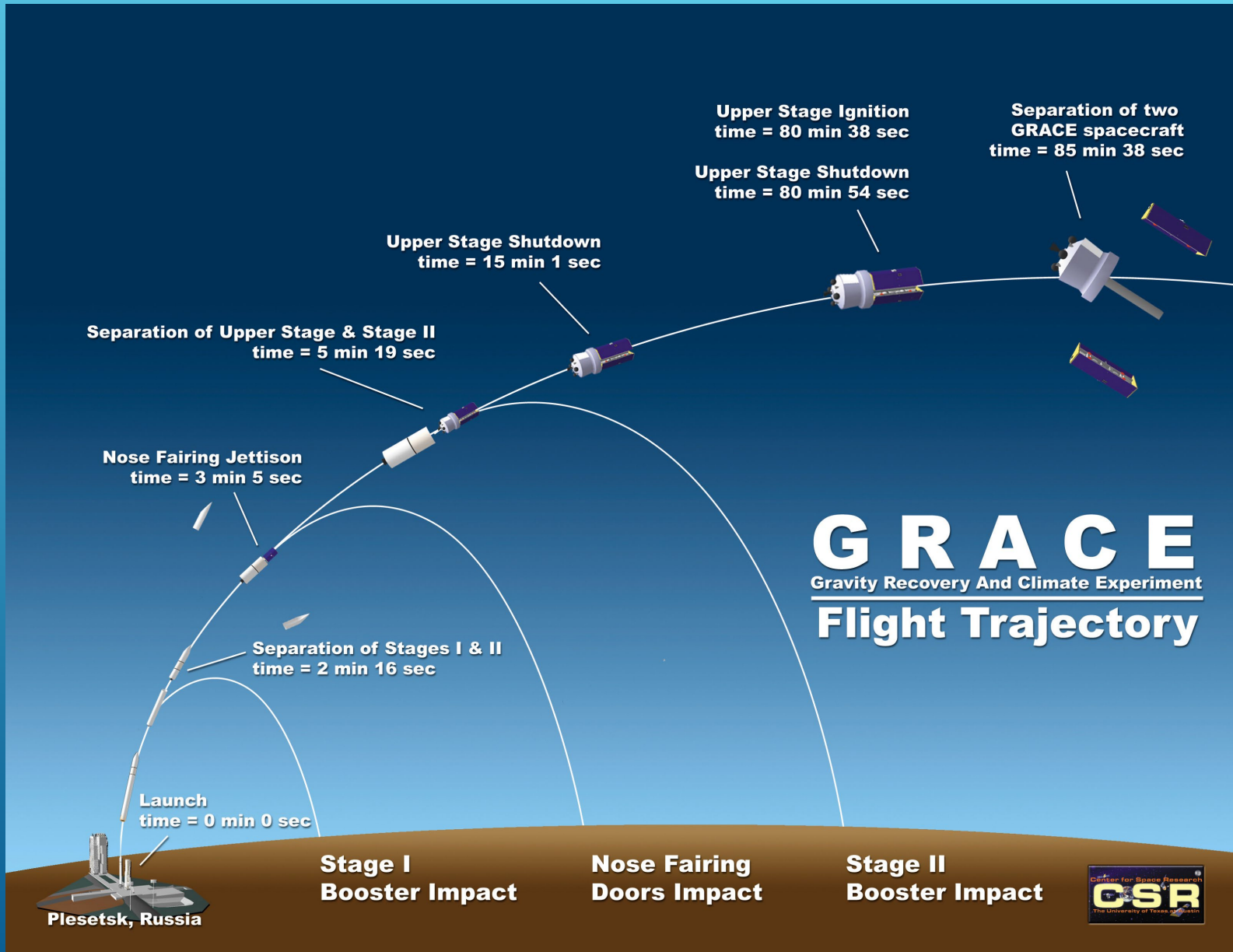
Uses of Satellite

- Military communication
- Telecommunication
- Satellite phone.
- VSAT (very small aperture terminal)
- Cable TV
- DBS (Direct Broadcast Satellite) TV (with Dish Antenna)
- GPS (Global Positioning System)
- Satellite Internet
- Weather forecasting
- Photography
- GIS (geographical Information System)
- X-Ray & infrared view of universe
- Navigation
- Deep Space exploration
- & many more

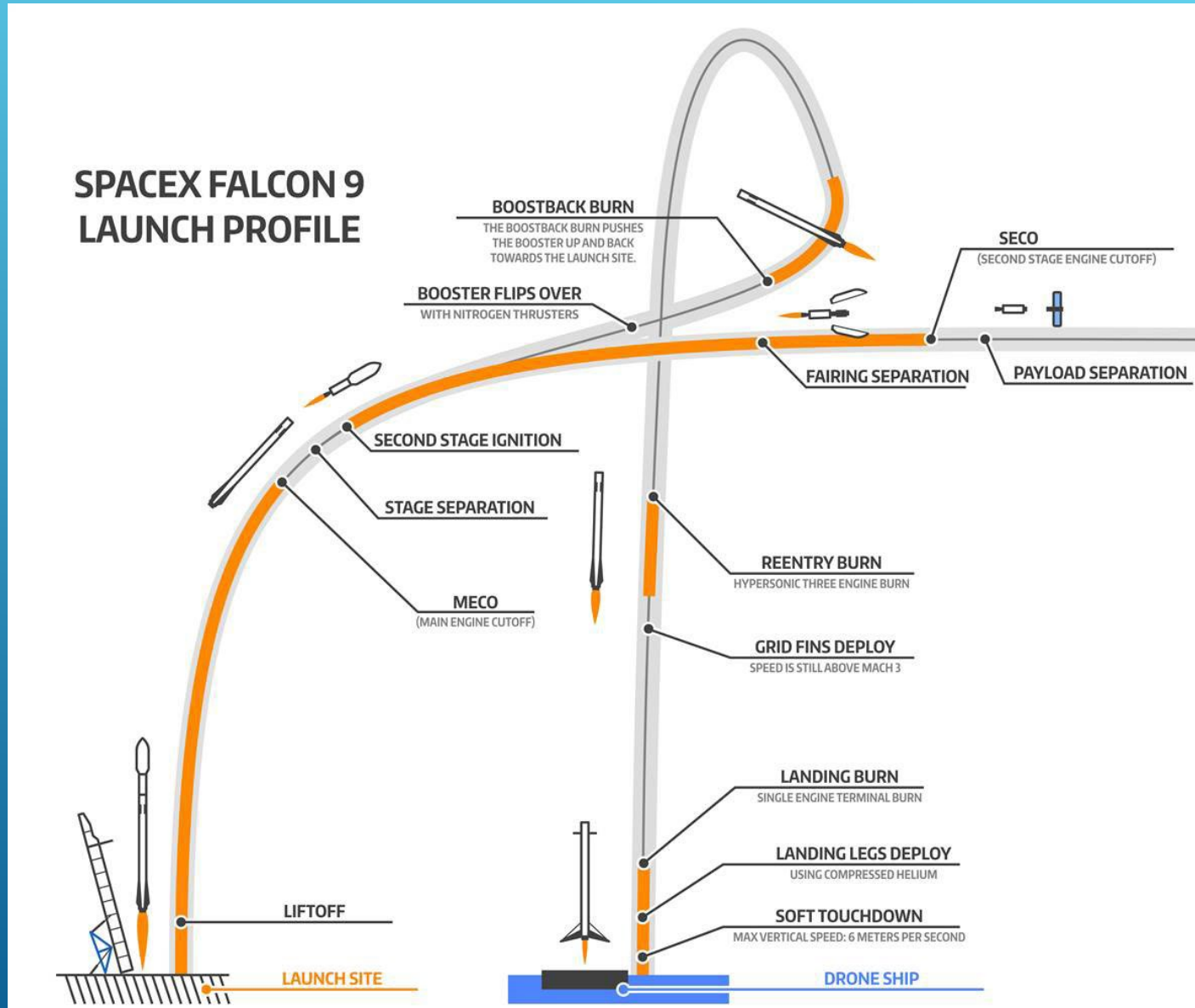
2. What orbits are earth orbiting?



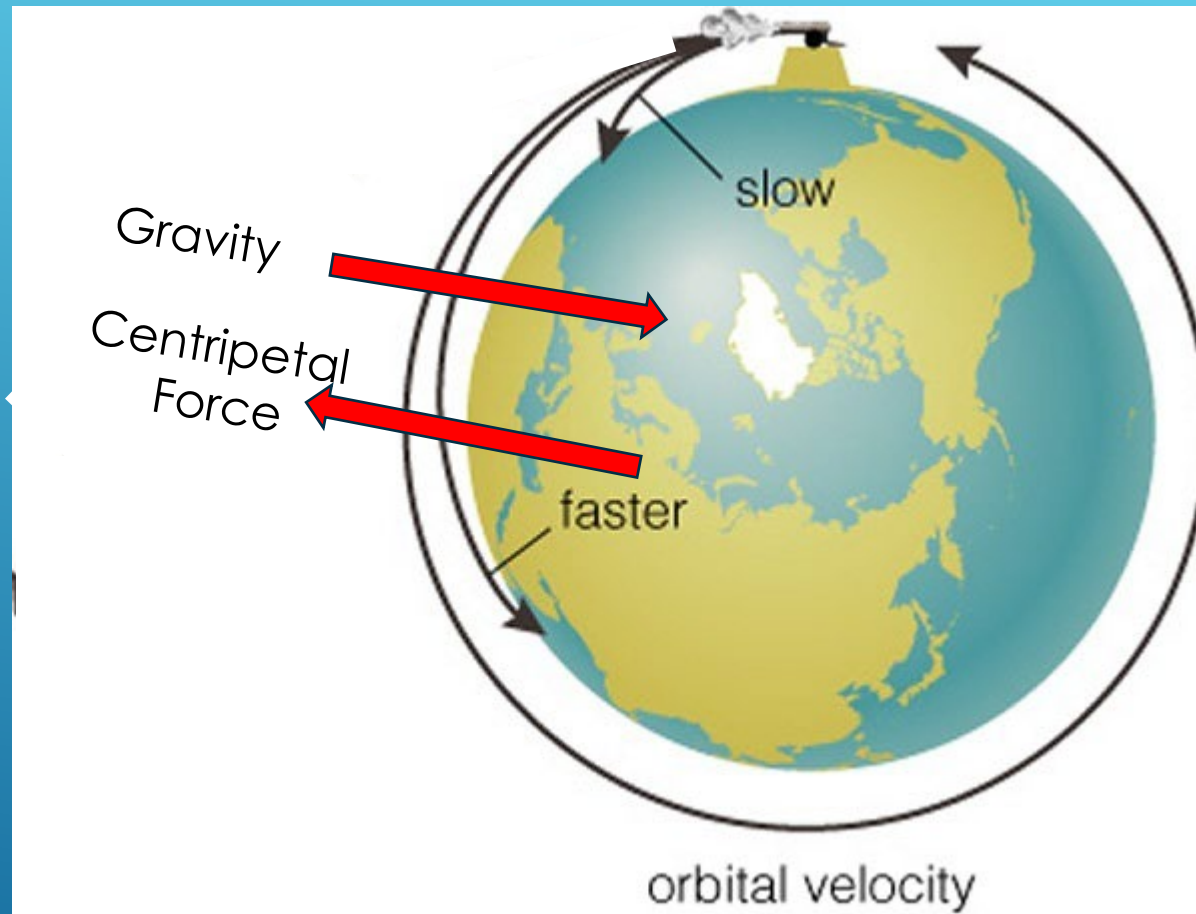
3. How do satellites get into earth orbits?



3. How do satellites get into earth orbits?



4. How do satellites stay in earth orbit?

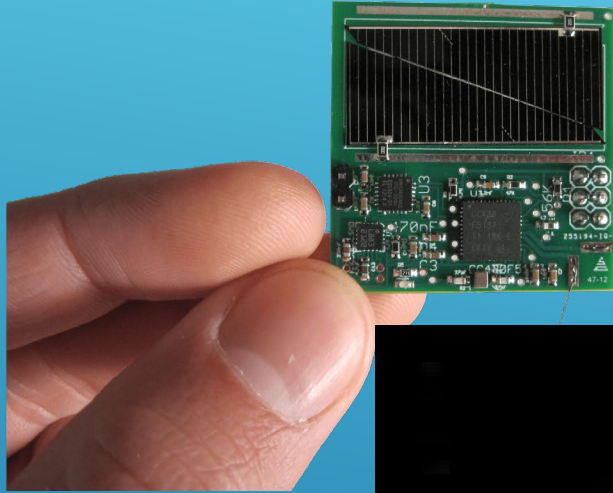


YouTube

5. How many satellites are orbiting the earth?



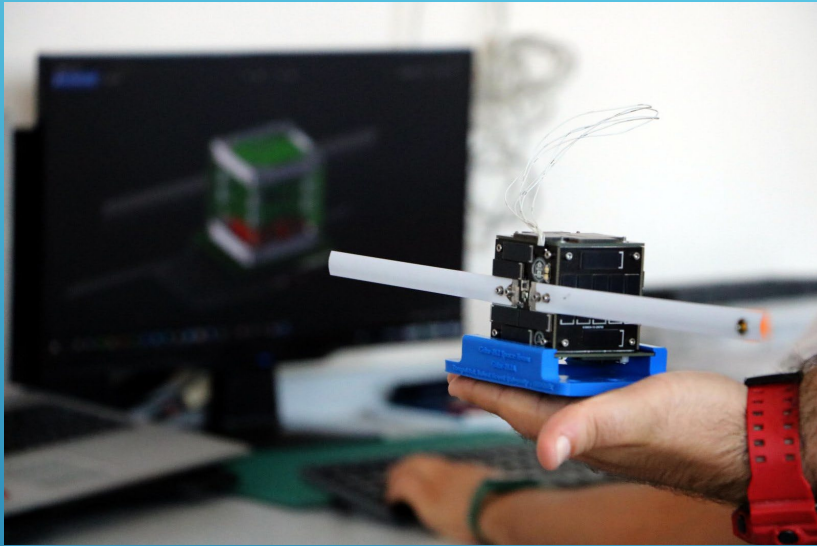
6. What are different sizes of satellites?



Very Small
ChipSat



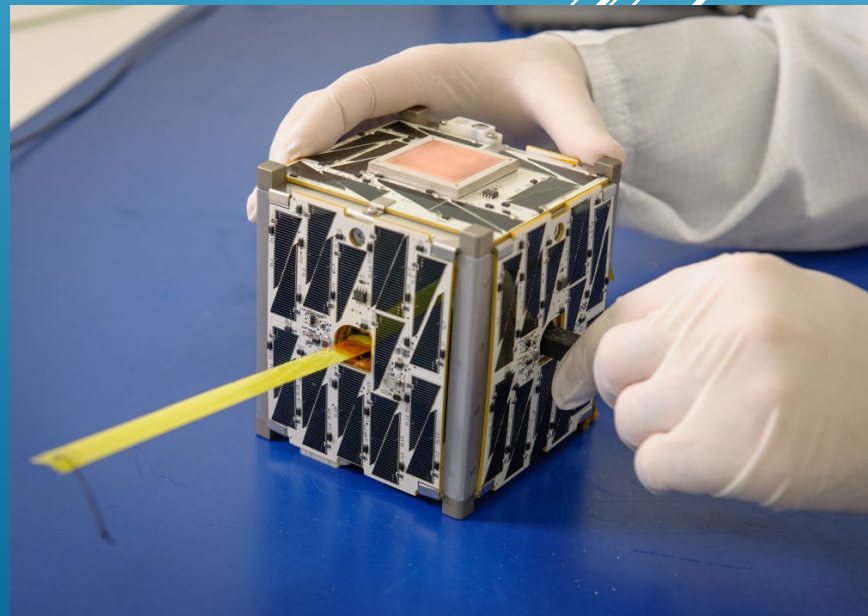
6. What are different sizes of satellites?



Small Satellites

PocketQube

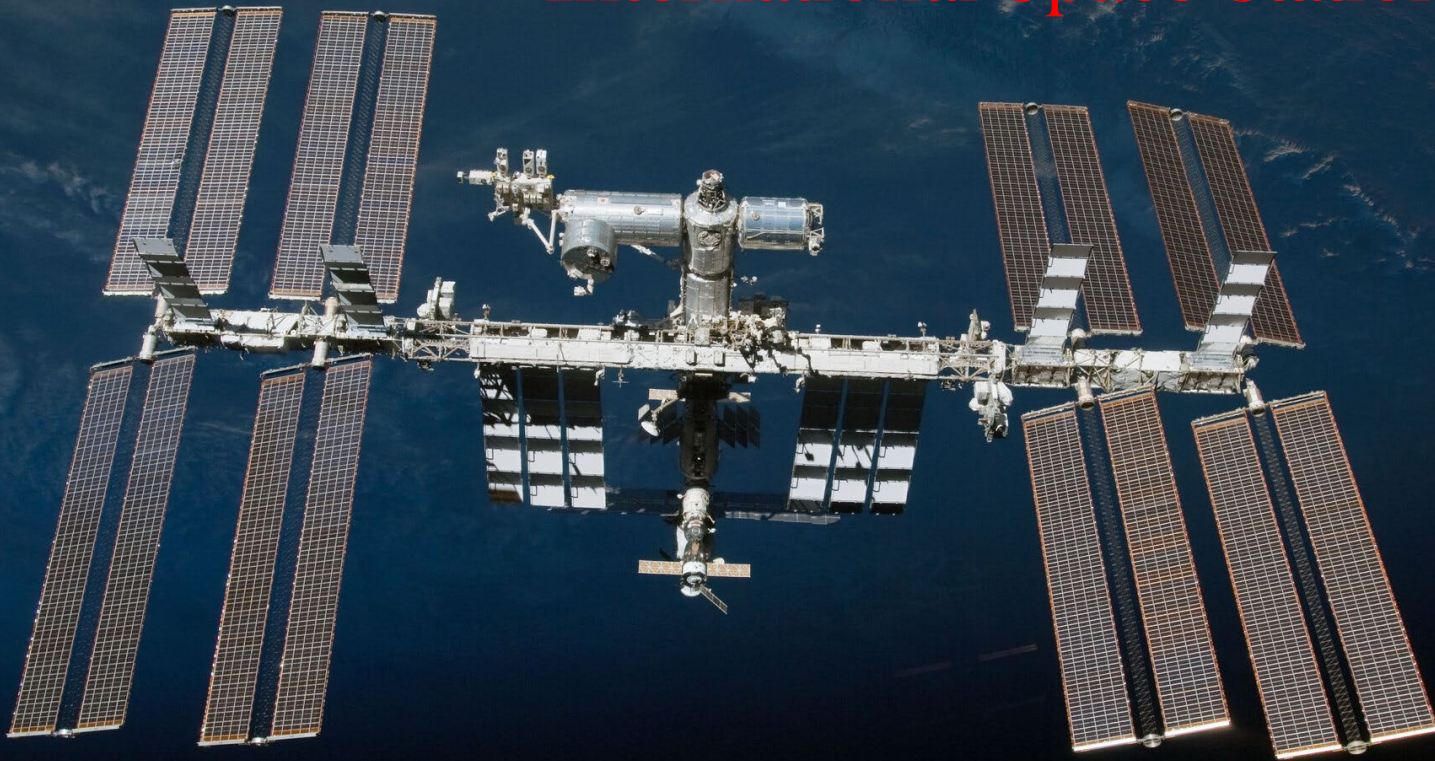
CubeSat



6. What are different sizes of satellites?

Very Large Satellites

International Space Station



Questions?

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