# Summer Camp
# Lets Communicate




*By Jorge Amodio*
*@jamodio*
*Summer 2019*

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# How we communicate with objects in space ?



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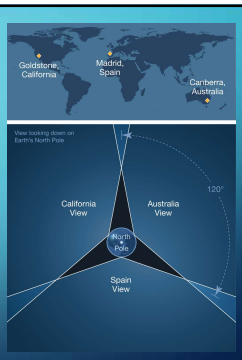



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# NASA
# Deep Space Network (DSN)

Full view around Earth with three major ground stations located approximately 120 degrees apart
- Goldenstone Complex, California
- Madrid Complex Spain
- Canberra Complex, Australia

Provides backup for the Near Earth Network (NEN) and The Space Network (SN)




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# NASA Deep Space Network




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# NASA DSN
## Goldstone, California



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## NASA DSN
Madrid, Spain



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## NASA DSN
Canberra, Australia

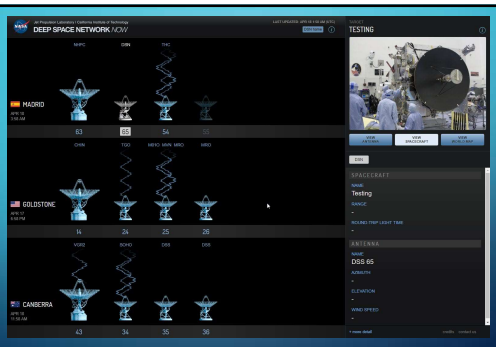


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NASA DSN Control Center at JPL

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https://eyes.nasa.gov/dsn/dsn.htm

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## Near Earth Network (NEN)



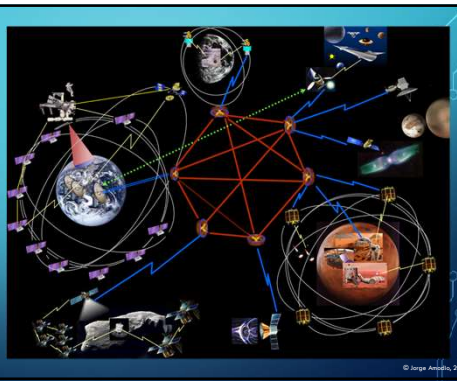

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## Space Network (NEN)




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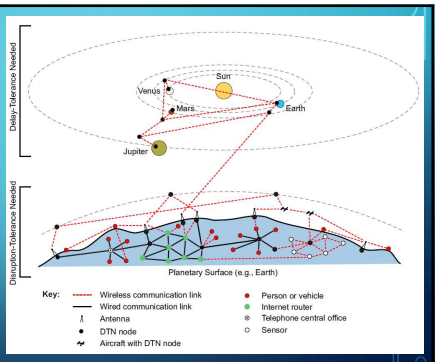
## Inter Planetary Internet



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## D/DTN

### Delay & Disruption Tolerant Network




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