

**Preliminary earth-based  
XM activity research.**

**Satellite and Ground Study  
12/11**

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# NP Lab XM site

1. Only documented XM aberration.
2. Near constant XM activity (no lulls since start of monitoring).
3. Regular (non-random or semi-random) pulse.

# NP Lab Vicinity Sat Study

- Geostationary
- Approx. 100km, narrow angle study.
- 10km resolution. 3 hour data-collection.
- Very high amount of noise.  $\approx$ 5-8 POIs.
- Insufficient resolution.

# NP Lab Vicinity Ground Study

- Approx. 60km area / 24 hour detection protocol.
- 55 POIs.
- Data has been geo-logged, categorized.
- Pulse behaviour similar to NPLAB aberration.
  - Further study recommended.

# Low Resolution Whole-Earth Satellite Study

- 18 Asynchronous Sats
- V. Low Resolution (=~1600km)
- V. Short monitoring timeframe (=~ 1 hour per blip)
- V. High Range (Globe Survey, all land masses and oceanic bodies)