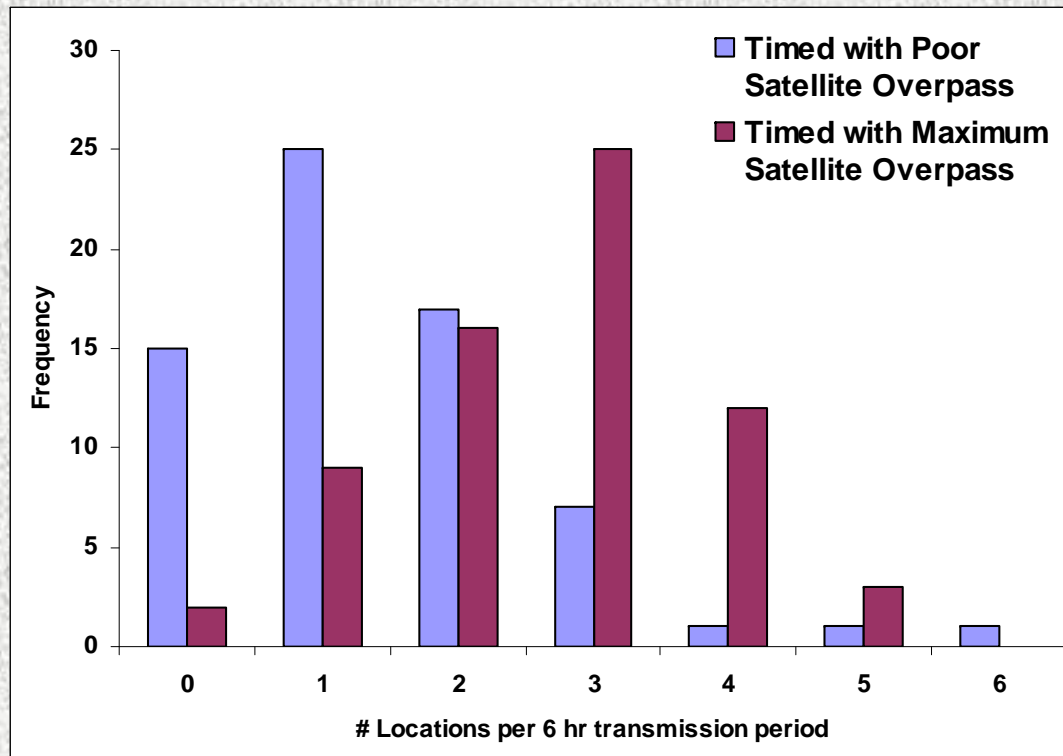


Timing Satellite Transmitter (PTT) Transmission With Argos Satellite Overpass (<http://science.nasa.gov/Realtime/JPass/20/>)

- Most Important when PTTs are on duty cycles and at lower latitudes where satellite coverage is less
- Also if tagged animals remain relatively local, rather than disperse over large area.

Below are results from 2 PTTs transmitting at 6 hr on and 18 hr off duty cycle. One PTT is transmitting in morning hours (poor satellite coverage) and the other during afternoon hours (maximum satellite coverage for that latitude).



- These PTTs were deployed between 30° and 45° N in the western Pacific Ocean

- The animals dispersed north of this area after the breeding season, so transmission timing was less important, but still relevant, post-breeding

- In this case, it was more important for us to optimize data collection during the breeding season at lower latitudes.

*Note: JPASS allows pass prediction of all satellites, space stations, etc. Go to the Argos website to determine which satellites that you need to predict overpass. This will depend on which ones are currently operational and whether you are signed up for extended satellite service, etc.