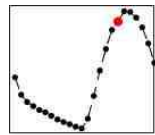
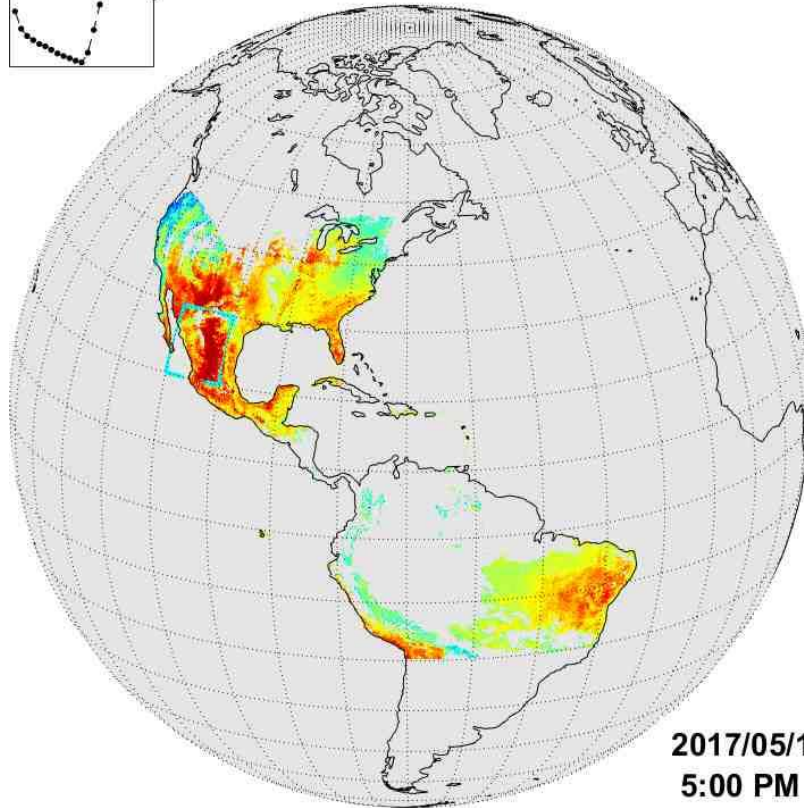


Diurnal Land Surface Temperature from a constellation of MW radiometers

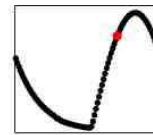
Thomas Holmes, Hydrological Sciences Lab, NASA GSFC



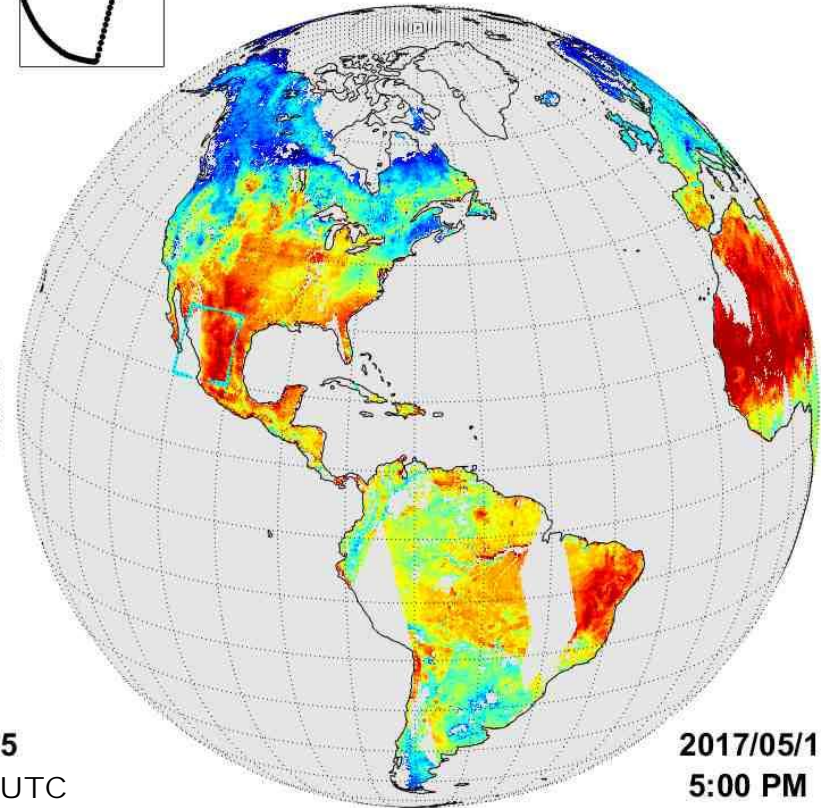
GEO IR



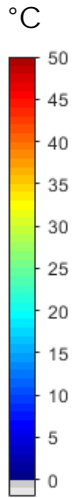
2017/05/15
5:00 PM UTC



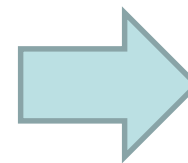
LEO MW



2017/05/15
5:00 PM UTC



- Geostationary satellites measure diurnal LST, but only for clear skies (On Left).
- **Cloud-tolerant diurnal LST** can be obtained by combining passive microwave observations from 6 LEO satellites (On Right).



Poster D2

- MW-LST used in ET retrieval (ALEXI)
- Validates diurnal amplitude of MW-LST