

Sovereign Network for Environmental Monitoring

- Tools for data sovereignty and governance
- Environmental monitoring
- Data sharing
- Tech transfer



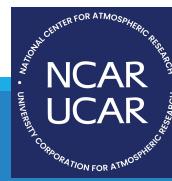
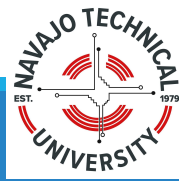
Satellite Broadband Internet



Secure Server, Storage and Communications



Environmental Sensor Station



RAMADDA

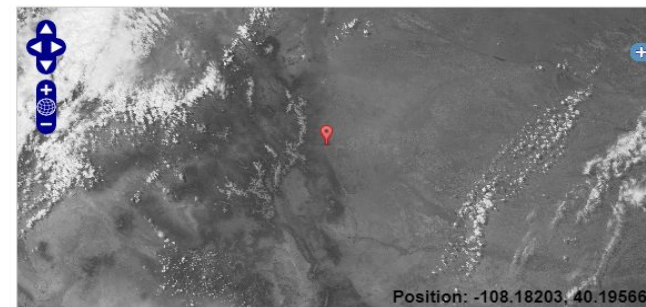
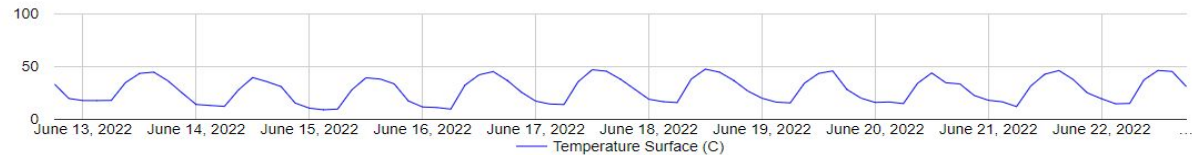
Repository for Archiving and Managing Diverse Data

<https://ramadda.org/>

- Data management and visualization platform
- Open source
- Simple to install and use
- *Local control* of data sharing and receiving
- Downscaled weather prediction for Navajo Nation

Global Forecast Data

The data is live and comes from Unidata's [TDS server](#). The source data is a gridded data file and the TDS server provides a point data service. The map is clickable and new data is fetched and displayed for the selected location.



Time: 2022-06-13 00:00
Temperature 33.27 [C]

Environmental Monitoring Stations at Tribal Colleges

- Weather, irradiance, ET, groundwater, soil moisture, air quality, and more...
- Data sharing via Sovereign Network
- STEM education
- Precision agriculture
- Opportunities to participate

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