Data Handling (multiple paths, buffering, packet loss, etc.)

- Multiple paths for increasing redundancy? Currently none. Leverage UO network…or resources east of the Cascades? TBD
- Cloud resources? Not for data, just website.
- EEW considerations for buffering and recovering from telemetry outages:
  - Pre-"large" EQ: Focus on telemetry diversity, move away from cell modems, move towards hardened microwave networks (ODOT/WASHDOT)
  - Post-"large" EQ: For EEW, only need current data, but need to be online to capture aftershocks. Establish event-response plans with comms providers.
- Data completeness after telemetry loss: Rely on local storage, pull data on site. Some instruments allow downloading data via SDP, some instruments backfill data after telemetry recovery (RT-130, others?).
- Data inspection tools – time series and statistics. We leverage SeisNetWatch (network performance), Swarm (data signal quality), IRIS DMC (PSDs, Mustang), SNIFFWAVE (Earthworm module, latency avg.).