

SCRIPPS INSTITUTION OF OCEANOGRAPHY: SHIPBOARD TECHNICAL SUPPORT

Department Manager: Lee Ellett

OTS Manager: Mathew Durham

Specialized Services Manager: Susan Becker

SIO/Shipboard Technical Support

- **Oceanographic Technical Services:**
 - Research technicians/marine techs
 - Instrumentation technicians
- **Specialized Services:**
 - Oceanographic Data Facility/ODF
 - Chemists
 - CTDO Data Analysts/processors
 - Calibration Laboratory/CAL
 - Electronics Technician
 - Engineer(s)
 - Shipboard Geophysical Group/SGG
 - Engineers



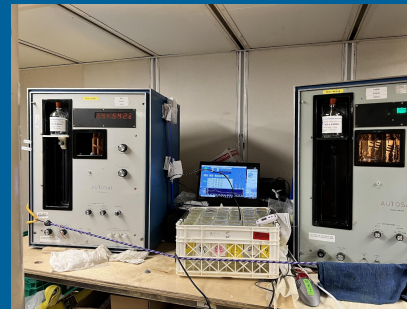
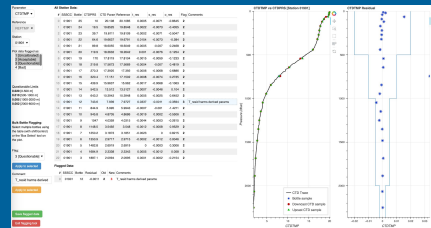
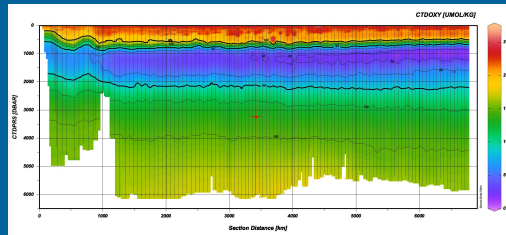
OCEANOGRAPHIC DATA FACILITY

- **Chemistry Services**

- Dissolved inorganic nutrients
- Dissolved Oxygen
- Salinity
- Chlorophyll

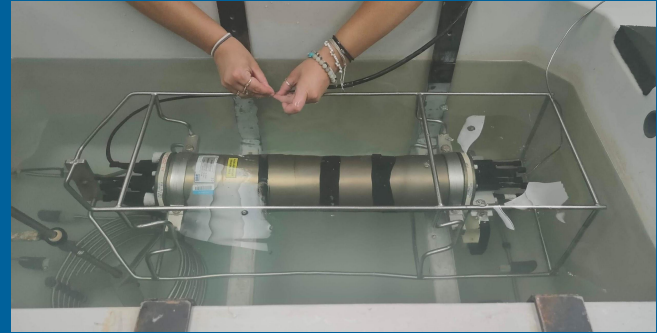
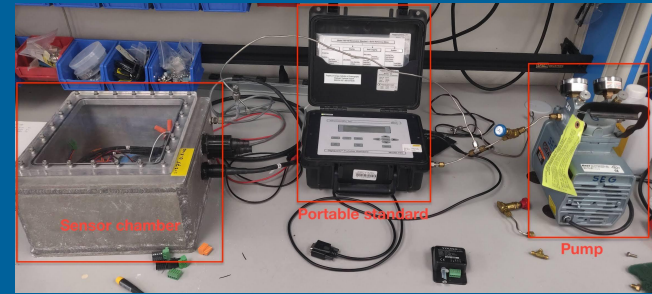
- **Data Services**

- CTD data processing
- Shipboard web-based data base
- Data QC



CALIBRATION LABORATORY

- **Meteorological**
 - Air temperature
 - Relative Humidity
 - Barometric pressure
 - Precipitation
- **Oceanographic**
 - Temperature
 - Pressure
- **MOCNESS support**
- **Equipment**
 - 11.2 gallon variable temperature bath
 - Large volume/120 gallon variable temperature bath
 - FLUKE dead weight pressure system w/calibration weights
 - Triple point and Gallium Cells



<https://scripps.ucsd.edu/ships/shipboard-technical-support/cal-lab>

SHIPBOARD GEOPHYSICAL GROUP

- **Multi Channel Seismic (MCS)**

- air guns
- Compressors
- hydrophone streamer

- **ADCP**

- 300 kHz
- 600 kHz
- LADCP/600 kHz

- **Multibeam/sonar transducer installations**

- 75kHz
- 150 kHz

- **Magnetometer**



THANK YOU

