

# CGSN Status: Pioneer

## Operations

- CP03ISSM: Continues to charge slowly. Minimal charge has allowed some sensors to operate. DCL27 disabled. DCL11, 12, 26 online.
- CP04OSSM: DCL36,37 are offline, all available instrumentation operating.
- CP01CNSM: Failed PSC and battery depletion shortly after deployment, but we are still receiving Xeos messages.
- CP02PMXX and CP04OSPM: all profiler moorings continue to look good, best 6 months of profiler performance. (PMCO has a 10m delta from normal, possible signs of fouling but continued operation).
- Up to date on ingestion of available telemetered and recovered data

## Mobile Assets

- Glider 336, holding station for recovery P11, in good health
- Glider 376 lost rudder, recovered 10/1, sign of shark strike
- Glider 389, holding station for recovery P11, in good health

Platform	Deployment	Overall %	Delivered XMIT %	Data Collected %
CP01CNSM	D00007	0	0	0
CP03ISSM	D00006	26	32	26
CP04OSSM	D00006	86	46	86
CP02PMCI	D00008	93	100	86
CP02PMCO	D00008	93	100	86
CP02PMUI	D00009	93	100	86
CP02PMUO	D00009	100	100	86
CP04OSPM	D00006	100	100	83

## Refurbishment

- All moorings completed refurbishment on time for Fall cruise

## Cruise

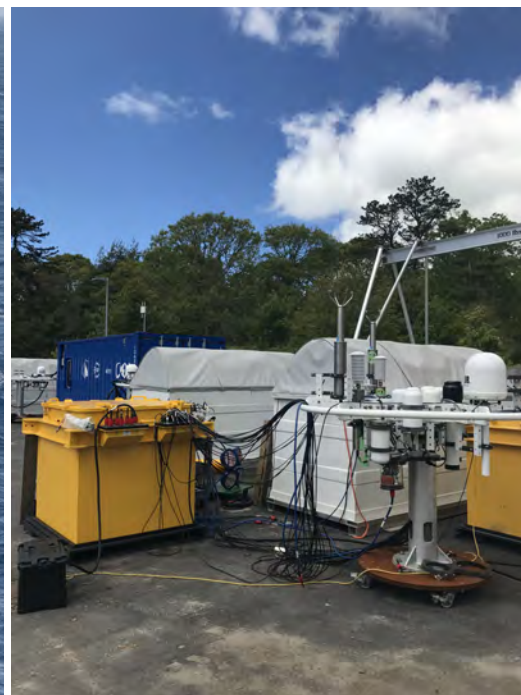
- RV Neil Armstrong mobilized 10/18
- Leg #1 10/20-22 completed. 2x anchor recoveries attempted but not successful. Causes included weather, currents, and initial ROV nav issues. 1x profiler mooring (ISPM) deployed, LTER ancillary activities undertaken.
- Leg #2 10/23-31 underway. OSSM, ISSM deployed, CNSM next; 3 glider deployments; AUV surveys
- Leg #3 11/1-10 planned profiler mooring operations (OSPM, PMUO, PMCO, PMCI, PMUI) plus CTD surveys

# CGSN Status: Southern Ocean

## Operations

- Global Surface Mooring still functional, some deterioration on METBK1 & 2 (truncated data & gaps). Inductively-coupled instruments depleted batteries (as expected).
- 22 months of operations
- Up to date on ingestion of available telemetered and recovered data

Platform	Deployment	Overall %	Delivered XMIT %	Data Collected %
GS01SUMO	D00003	70	33	86



## Refurbishment

- Mooring completed refurbishment on time for shipment to Punta Arenas in August

## Cruise

- All containers in Punta Arenas team starts mobilization 11/15
- RRS Discovery to be mobilized 11/22
- Cruise scheduled for 11/28 – 12/14
- Global Surface Mooring to be deployed
- Prior Global Surface Mooring and bottom sections of flanking moorings to be recovered

# CGSN Status: Irminger

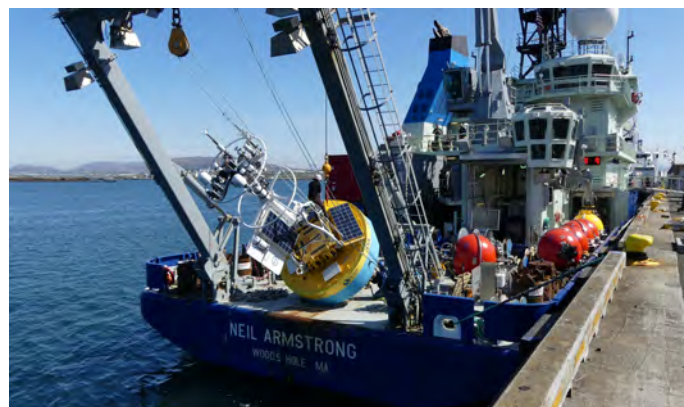
## Operations

- Entering Fall storm season, SUMO data collection and delivery working very well.
- Manually operating turbines and monitoring battery charging.
- Lost buoy foam recovered and currently at WHOI. Delivered by Armstrong in October. Scheduling failure analysis to review potential causes of loss.
- Up to date on ingestion of available telemetered and recovered data

## Mobile Assets

- Glider 363 in transit to FLMA, in good health
- Glider 453 in transit to FLMA, in good health
- Both had data transmit suspended due to weather 10/19-21

Platform	Deployment	Overall %	Delivered XMIT %	Data Collected %
GI01SUMO	D00003	43	82	89



## Refurbishment

- Receiving instruments from vendor servicing; VELPTs testing & ADCP refurb started
- Lags in glider vendor service continue but should not impact Irminger in 2019
- Mooring Refurbishment scheduled to commence following Pioneer 11
- Refurbishment scheduled completion May 2019
- Integration and burn-in scheduled for May – June 2019

## Cruise

- RV Neil Armstrong to be mobilized 8/6
- Cruise scheduled for 8/8 – 8/31
- Mob Port: Reykjavik
- Demob Port: WHOI

# CGSN Status: Papa

## Operations

- All subsurface moorings in operation
- No issues
- Up to date on ingestion of available telemetered and recovered data



## Mobile Assets

- Glider 276 in transit to HYPM, Minor pitch anomaly has been mitigated.
- Glider 469 in transit to FLMA, in good health.



## Refurbishment

- Receiving instruments from vendor servicing; ADCPs ready for in-house refurb & testing
- Lags in glider service continue but should not impact Papa in 2019
- Refurbishment scheduled to commence following Pioneer 11
- Refurbishment scheduled for completion June 2019
- Integration and burn-in scheduled for June – July 2019

## Cruise

- RV Sikuliaq to be mobilized 9/7
- Cruise scheduled for 9/9 – 9/29
- Mob Port: Seward, AK
- Demob Port: Newport, OR