OCEAN OBSERVATORIES INITIATIVE

2018 Data Workshops

OOI Mooring & Seafloor Instruments

OOI Code	Instrument	RS	CE	CP	GL	Data Source
ADCP	ADCP	7	10	9	11	
BOTPT	Bottom Pressure and Tilt	3				
CAMDS	Digital Still Camera	4	6			Raw Only
CAMHD	HD Digital Video Camera	1				Raw Only
CTD	CTD	8	22	15	163	
DO	Dissolved Oxygen	8	20	15	30	
FDCHP	Direct Covariance Flux		1	1	2	
FL	Fluorometer	8	16	12	30	
FLOBN	Benthic Fluid Flow	2				Raw Only
HPIES	Horizontal Electric Field, Pressure and Inverted Echo Sounder	2				See Note 1
HYDBB	Broadband Acoustic Receiver (Hydrophone)	4	2			See Note 2
HYDLF	Low Frequency Acoustic Receiver (Hydrophone)	5				IRIS Only
MASSP	Mass Spectrometer	2				Raw Only
METBK	Bulk Meteorology Instrument Package		4	4	6	
NUTNR	Nitrate	2	11	5	6	
OBSBB	Broadband Ocean Bottom Seismometer	5				IRIS Only
OBSSP	Short-Period Ocean Bottom Seismometer	8				IRIS Only
OPTAA	Spectrophotometer	6	17	8	6	
OSMOI	Osmosis-Based Water Sampler	2				Raw Only
PARAD	Photosynthetically Available Radiation	2	6	9		
PCO2A	pCO2 Air-Sea		4	3	3	
PCO2W	pCO2 Water	2	10	3	12	
PHSEN	Seawater pH	4	14	6	14	
PPSDN	Particulate DNA Sampler	1				See Note 3
PRESF	Seafloor Pressure		4	3		
PREST	Tidal Seafloor Pressure	3				
RASFL	Hydrothermal Vent Fluid Interactive Sampler	1				See Note 3
SPKIR	Spectral Irradiance	2	11	5	6	
THSPH	Hydrothermal Vent Fluid In-situ Chemistry	1				
TMPSF	Diffuse Vent Fluid 3-D Temperature Array	1				
TRHPH	Hydrothermal Vent Fluid Temperature and Resistivity	1				
VEL3D	3-D Single Point Velocity Meter	6	8	7	7	
VELPT	Single Point Velocity Meter	2	17	8	11	
WAVSS	Surface Wave Spectra		4	1	3	
ZPLS	Bio-acoustic Sonar		6	3	8	
	Cruise Data					Alfresco

The counts in this table include non-glider instruments available in system as of May 2018. Unless otherwise noted, data should be available for download from the OOI Data Portal https://ooinet.oceanobservatories.org. The Data Portal also provides links for those datasets only available through IRIS or the Raw Data archive.

There are also many “Engineering” instruments available, including data concentrator loggers, wire following profiler controllers, and glider controllers. These often have “ENG” in their reference designator. Additional engineering instruments include the Hydrogen Sensor (HYDGN) and 3-Axis Motion Pack (MOPAK).

Note #1: Only L0 data is currently available for HPIES. To calculate science products, you will need to manually convert the data yourself using code available at http://oceanobservatories.org/instrument-class/hpies/

Note #2: Only miniSEED (.mseed) files are currently available for HYDBB data, and the data streams are not showing up in the data catalog. Data are available by accessing the raw data archive directly
e.g. https://rawdata.oceanobservatories.org/files/CE04OSBP/LJ01C/11-HYDBBA105/2018/05/04/

You can use the miniSEED player available from the IRIS website
https://ds.iris.edu/ds/nodes/dmc/data/formats/
Or the Python toolbox linked on the Community Tools site
http://oceanobservatories.org/community-tools/

Note #3: No processed analytical files are currently available from the Particulate DNA Sampler (PPSDN) or the Vent Fluid Interactive Sampler (RASFL). The data are still being processed at a lab at UW, and when complete they will be available via the Core Instrument Analytical Results page on the OOI website:
http://oceanobservatories.org/core-instrument-analytical-results/