



Table 1

Level	Deployment	StartTime	EndTime	Annotation	Status	Redmine#
CE04OSPS-SF01B-2A-CTDPFA107	D00001	2014-08-30T21:51:00Z	2014-11-05T21:30:49Z	Powered down, Offline due to groundfaults.	NOT_OPERATIONAL	12173
ctdpf_sbe43_sample	D00001	2014-08-30T21:51:00Z	2014-11-05T21:30:49Z	Powered down, Offline due to groundfaults.	NOT_AVAILABLE	12173
corrected_dissolved_oxygen	D00001	2014-08-30T21:51:00Z	2015-08-02T00:00:00Z		FAIL	8668
CE04OSPS		2014-12-07T19:45:00Z	2014-12-16T00:00:00Z	PFE down. HVPS1 MOV explosion, 800A breaker tripped, investigation and restoration	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2014-12-07T19:45:00Z	2014-12-16T00:00:00Z	PFE down. HVPS1 MOV explosion, 800A breaker tripped, investigation and restoration	NOT_AVAILABLE	12264
CE04OSPS		2015-01-07T07:32:00Z	2015-01-07T08:06:00Z	PNWGP Portland <-> Seattle outage	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2015-01-07T07:32:00Z	2015-01-07T08:06:00Z	PNWGP Portland <-> Seattle outage	NOT_AVAILABLE	12264
CE04OSPS		2015-01-31T00:00:00Z	2015-02-04T00:00:00Z	Intermittent partial data loss due to storage drive problems at OTB	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2015-01-31T00:00:00Z	2015-02-04T00:00:00Z	Intermittent partial data loss due to storage drive problems at OTB	NOT_AVAILABLE	12264
CE04OSPS		2015-03-21T14:10:00Z	2015-03-22T04:20:00Z	Gappy Data: PNWGP outage due to City of Seattle fiber cable work		12264
CE04OSPS		2015-06-13T00:00:00Z	2015-06-15T16:30:00Z	Gappy Data: Network issues due to fire that damaged fibers between Portland and Seattle		12264
corrected_dissolved_oxygen	D00002	2015-08-03T02:21:00Z	2016-07-18T00:00:00Z		FAIL	8668
CE04OSPS		2015-08-29T00:00:00Z	2015-08-29T00:30:00Z	Gappy Data: Outage during major utility power failure in Seattle		12264
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2015-12-10T02:59:50Z	2015-12-10T03:00:22Z	seawater_temperature [spike in data, out of global ranges]		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2015-12-10T02:59:50Z	2015-12-10T03:00:22Z	seawater_pressure [spike in data, out of global ranges]		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2015-12-10T02:59:50Z	2015-12-10T03:00:22Z	practical_salinity [spike in data, out of global ranges]		8668
CE04OSPS		2016-01-07T06:10:00Z	2016-01-07T06:52:00Z	Four 1-minute outages between Portland and Seattle due to maintenance	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2016-01-07T06:10:00Z	2016-01-07T06:52:00Z	Four 1-minute outages between Portland and Seattle due to maintenance	NOT_AVAILABLE	12264
CE04OSPS		2016-03-10T23:06:00Z	2016-03-11T09:30:00Z	Fiber break between Portland and Seattle	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2016-03-10T23:06:00Z	2016-03-11T09:30:00Z	Fiber break between Portland and Seattle	NOT_AVAILABLE	12264
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2016-04-14T19:55:47Z	2016-04-19T23:05:49Z	Data gap under investigation	NOT_OPERATIONAL	12175
ctdpf_sbe43_sample	D00002	2016-04-14T19:55:47Z	2016-04-19T23:05:49Z	Data gap under investigation	NOT_AVAILABLE	12175
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2016-04-23T15:10:16Z	2016-04-25T02:23:59Z	Data gap under investigation	NOT_OPERATIONAL	12175
ctdpf_sbe43_sample	D00002	2016-04-23T15:10:16Z	2016-04-25T02:23:59Z	Data gap under investigation	NOT_AVAILABLE	12175
CE04OSPS		2016-05-20T16:33:00Z	2016-05-20T18:04:00Z	Fiber break between Portland and Pacific City	NOT_OPERATIONAL	12264
ctdpf_sbe43_sample		2016-05-20T16:33:00Z	2016-05-20T18:04:00Z	Fiber break between Portland and Pacific City	NOT_AVAILABLE	12264
CE04OSPS		2016-07-12T02:53:00Z	2016-07-12T03:51:00Z	Unexplained loss of power at Pittock Building in Portland - data exist		12264
CE04OSPS-SF01B-2A-CTDPFA107	D00002	2016-07-16T06:52:54Z	2016-07-18T00:00:00Z	Instrument operational up to July 10 2016	NOT_OPERATIONAL	12174
ctdpf_sbe43_sample	D00002	2016-07-16T06:52:54Z	2016-07-18T00:00:00Z	Instrument operational up to July 10 2016	NOT_AVAILABLE	12174
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2016-07-19T08:00:00Z	2017-04-10T16:00:15Z	practicle_salinity		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2016-07-19T08:00:00Z	2017-04-10T16:00:15Z	seawater_conductivity		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2016-07-19T08:00:00Z	2017-04-10T16:00:15Z	density		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2016-07-19T21:46:05Z	2016-10-05T08:25:45Z	corrected_dissolved_oxygen [values > 400 umol/kg]		8668
CE04OSPS		2016-12-17T18:00:00Z	2016-12-17T19:00:00Z	Corvalis data center lost power - data exist		12264
CE04OSPS		2016-12-22T01:50:00Z	2016-12-23T12:44:00Z	Fiber break in Portland due to train crash - data exist		12264
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2016-12-23T19:03:29Z	2017-01-07T11:59:59Z	corrected_dissolved_oxygen [values > 400 umol/kg]		8668
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2017-01-07T12:00:00Z	2017-01-11T14:45:01Z	corrected_dissolved_oxygen [values > 400 umol/kg]		8668
CE04OSPS		2017-01-08T19:58:00Z	2017-01-08T21:41:00Z	Network outage during major Seattle utility power failure - data exist		12264
CE04OSPS		2017-01-09T18:30:53Z	2017-01-09T20:25:00Z	Lightning strike in Pacific City led to isolation of both cable lines from shore station equipment, when Power Feed Equipment High Voltage Opening Switches operated. All deployed infrastructure went offline.	NOT_OPERATIONAL	11776
ctdpf_sbe43_sample		2017-01-09T18:30:53Z	2017-01-09T20:25:00Z	Lightning strike in Pacific City led to isolation of both cable lines from shore station equipment, when Power Feed Equipment High Voltage Opening Switches operated. All deployed infrastructure went offline.	NOT_AVAILABLE	11776
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2017-01-09T18:30:53Z	2017-01-11T01:09:09Z	CTD offline because of power interruption caused by lightning strike in Pacific City in close proximity to shore station.	NOT_OPERATIONAL	11776
ctdpf_sbe43_sample	D00003	2017-01-09T20:25:00Z	2017-01-11T01:09:09Z	CTD offline because of power interruption caused by lightning strike in Pacific City in close proximity to shore station.	NOT_AVAILABLE	11776
CE04OSPS		2017-02-07T13:00:00Z	2017-02-07T15:00:00Z	Outage during PNWGP 1-hour router-maintenance - data exist with gap(s)		12264
CE04OSPS		2017-02-15T14:43:05Z	2017-02-15T17:16:00Z	Power Feed Equipment failure during major utility power issues related to lightning strike on Pacific City electrical sub-station. All deployed infrastructure went offline. Power was restored on February 16. No hardware issue subsea was identified.	NOT_OPERATIONAL	11998
ctdpf_sbe43_sample		2017-02-15T14:43:05Z	2017-02-15T17:16:00Z	Power Feed Equipment failure during major utility power issues related to lightning strike on Pacific City electrical sub-station. All deployed infrastructure went offline. Power was restored on February 16. No hardware issue subsea was identified.	NOT_AVAILABLE	11998
CE04OSPS-SF01B-2A-CTDPFA107	D00003	2017-02-15T14:43:05Z	2017-02-16T23:31:07Z	CTD offline because of power interruption caused by lightning strike in Pacific City in close proximity to shore station.	NOT_OPERATIONAL	11998
ctdpf_sbe43_sample	D00003	2017-02-15T14:43:05Z	2017-02-16T23:31:07Z	CTD offline because of power interruption caused by lightning strike in Pacific City in close proximity to shore station.	NOT_AVAILABLE	11998