

CDMO Raw File Name: qtmpiwq030425

Sonde Code	Serial Number	Serial Number	Model Number		
Datasonde:	EXO210122020-2	20H100465	pH:	16A102347/23E100229	599701
Vented:	No	Model Number	RP DO:		
Nickname:	Irma	EXO2	ODO:	17L100140	599100-01
			Turbidity:	13H100225	599101-01
			Conductivity:	20G104544	599827
			Chl/TotAlg:	19J105327	599103-01
			EXO Wiper:	23G100412	599090-01

Date of Calibration:			03/03/2025			mm/dd/yyyy			Technician(s):			Megan Howkins		
			Central/TURB			ODO			CHL					
Wiper(s) Replaced:			Yes									Wiper parks 180° from optics:		
Batteries Replaced:			Yes									DO/ODO membrane replaced:		
Format Flash Disk:												Membrane integrity test:		
Comments:			EDOM SN: 20C201713											

Pre-Deployment				Post-Deployment		Sensor Diagnostics	
Standards	Before Cal	Calibrated	Error			Pre-Deployment	
Temp	<div><div>20.03</div><div>°C</div></div>	<div><div>20.109</div><div>°C</div></div>	<div><div>No</div></div>	Check Date	<div><div>03/27/202</div></div>		
RP % DO @ 100% sat	<div><div></div><div>%</div></div>	<div><div></div><div>%</div></div>	<div><div></div></div>	<div><div></div><div>%</div></div>	<div><div></div><div>%</div></div>	RP DO chrg (range 25-75)	
BP @ cal (Rapid Pulse)	<div><div></div><div>mm Hg</div></div>			<div><div></div></div>		RP DO gain (0.7-1.4)	
Optical %DO @ 100% sat	<div><div>100.9</div><div>%</div></div>	<div><div>101.0</div><div>%</div></div>	<div><div>No</div></div>	<div><div>100.7</div><div>%</div></div>	<div><div>100.8</div><div>%</div></div>	Optical DO gain (6600: 0.7-1.4, EXO: 0.87-1.25)	
BP @ Cal (Optical)	<div><div>767.9</div><div>mm Hg</div></div>			<div><div>771.0</div><div>mm Hg</div></div>		RP DO warm up test (hi/lo)	
Baro. Pres. (Depth Calib)	<div><div>767.6</div><div>mm Hg</div></div>	(760.0 for vented sonde)		<div><div>771.0</div><div>mm Hg</div></div>	(760.0 for vented)	Cell const (6600: 4.6-5.45, EXO CT2: 4.59-5.61, WPD EXO: 0.419-0.519)	
Depth	<div><div>0.103</div><div>offset</div></div>	<div><div>0.116</div><div>m</div></div>	<div><div>0.103</div><div>m</div></div>	<div><div>No</div></div>	<div><div>0.239</div><div>m</div></div>	<div><div>0.15</div><div>offset</div></div>	ph 7 (0 +/- 50 mV)
Station Offset	<div><div></div></div>			<div><div></div></div>			ph 10 (-180 +/- 50 mV)
Level	<div><div>0.0</div><div>offset</div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div>0.0</div><div>offset</div></div>		ph 4 (+180 +/- 50 mV)
SpCond	<div><div>50.0</div><div>mS/cm</div></div>	<div><div>49.946</div><div>mS/cm</div></div>	<div><div>50.0</div><div>mS/cm</div></div>	<div><div>No</div></div>	<div><div>49.908</div><div>mS/cm</div></div>		Calculated pH slope
ph 7	<div><div>7.02</div></div>	<div><div>7.04</div></div>	<div><div>7.02</div></div>	<div><div>No</div></div>	<div><div>7.15</div></div>		179.7
ph 10	<div><div>10.06</div></div>	<div><div>10.04</div></div>	<div><div>10.06</div></div>	<div><div>No</div></div>	<div><div>10.15</div></div>		(<155 is suspect)
ph 4	<div><div>4.0</div></div>	<div><div>4.04</div></div>	<div><div>4.0</div></div>	<div><div>No</div></div>	<div><div>4.15</div></div>		(4/7 will result in negative slope)
Turb	<div><div>0.0</div><div>NTU/FNU</div></div>	<div><div>-0.02</div><div>NTU/FNU</div></div>	<div><div>-0.01</div><div>NTU/FNU</div></div>	<div><div>No</div></div>	<div><div>-0.01</div><div>NTU/FNU</div></div>		
Turb	<div><div>124.0</div><div>NTU/FNU</div></div>	<div><div>122.25</div><div>NTU/FNU</div></div>	<div><div>124.02</div><div>NTU/FNU</div></div>	<div><div>No</div></div>	<div><div></div><div>NTU/FNU</div></div>		
Rhodamine WT Temp	<div><div>20.635</div><div>°C</div></div>			<div><div>21.885</div><div>°C</div></div>		Post-Deployment	
Chl (0)	<div><div>0.0</div><div>ug/L</div></div>	<div><div>-0.01</div><div>ug/L</div></div>	<div><div>0.01</div><div>ug/L</div></div>	<div><div>No</div></div>	<div><div>-0.02</div><div>ug/L</div></div>		RP DO chrg (range 25-75)
Chl (118) 6600:	<div><div>116.5</div><div>ug/L</div></div>	<div><div>68.36</div><div>ug/L</div></div>	<div><div>66.98</div><div>ug/L</div></div>	<div><div>No</div></div>	<div><div></div><div>ug/L</div></div>	6600: 114.1	RP DO warm up test (hi/lo)
EXO:	<div><div>67.7</div><div>ug/L</div></div>				EXO: 66.1		ph 7 (0 +/- 50 mV)
Battery voltage	<div><div>5.57</div><div>V</div></div>	(remove ext. power -650,6038)		<div><div>5.15</div><div>V</div></div>	(remove ext. power)		ph 10 (-180 +/- 50 mV)
							ph 4 (+180 +/- 50 mV)
							Calculated pH Slope
							178.7

Interval:	<input type="text" value="15"/>	min	Start date:	<input type="text" value="03/04/2025"/>	mm/dd/yyyy	Start time (STD):	<input type="text" value="05:00:00"/>	24 hh:mm:ss
Duration:	<input type="text" value="365"/>	days	sonde file name:	<input type="text" value="PI030425"/>		Battery life:	<input type="text" value="133.75"/>	days
Free memory:	<input type="text" value="24248.82"/>	days	Set clock (status):	<input type="text" value="Yes"/>	Y or N	Free memory (status):	<input type="text" value="98.80"/>	bytes (k) or %
Parameters recorded:								
Temp:	<input type="text" value="Yes"/>		Sp Cond:	<input type="text" value="Yes"/>		Salinity:	<input type="text" value="Yes"/>	
DO % sat:	<input type="text" value="Yes"/>		DO Conc.:	<input type="text" value="Yes"/>		Depth/Level:	<input type="text" value="Yes"/>	
pH:	<input type="text" value="Yes"/>		Turbidity:	<input type="text" value="Yes"/>		Chlorophyll:	<input type="text" value="Yes"/>	
			pH mV:	<input type="text" value="Yes"/>		Battery Voltage:	<input type="text" value="Yes"/>	

fDOM DI: 0.40 QSU, 0.23RFU; TAL CHLa RFU DI: 0.01, 0.00; 21C Rhod (std 16.7): 16.98, 16.70

temp: 21.171C, 21.15C; fDOM: 0.02 RFU, 0.56 QSU; TAL RFU: -0.03; wiper brush fell off.

NERRS SWMP Water Quality Field Log

Last Edit Date: 04/11/2025

Deployment Information

First Sample Time:11:15

Date Deployed: mm/dd/yyyy * **Time:** hh:mm (24hr) **White Towel:**

Technician(s):

Field Data:

Water Temp °C DO Percent % Instrument Type:
 Sp Cond mS/cm DO Conc. mg/L
 Salinity psu Other

Comments:

Infield Maintenance: Note changes to site during deployment, sonde tube maintenance, biofouling removal, etc.

Date: mm/dd/yyyy **Duration:** **Maintenance:**

Comments:

Retrieval Information

Last Sample Time:10:30

Date Retrieved: mm/dd/yyyy **Time:** hh:mm (24hr) **White Towel:**

Technician(s):

Field Data:

Water Temp °C DO Percent % Instrument Type:
 Sp Cond mS/cm DO Conc. mg/L
 Salinity psu Other

Fouling Presence: Type: A=algae, B=barnacles, C=crabs, E=eggs, F=fish, H=hydroids, MD=mud, S=sponges, SI=silt, SL=shell
 SP=shrimp, T=tunicates, W=worm, O=other, N=none

Amount: H=heavy, M=moderate, L=light (e.g. A/H, B/L)

Sonde/Guard External Screen Chlorophyll
 Temp/Cond Dissolved Oxygen
 pH Turbidity

Comments:

File Retrieval

Sonde Filename: **Probe Malfunction:**

Comments: