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SENSOR SERIAL NUMBER: 0184  
 CALIBRATION DATE: 21-Nov-17

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:            A = -3.2689e-003  
 Soc = 0.4603                B = 1.4493e-004  
 Voffset = -0.5077         C = -2.2565e-006  
 Tau20 = 1.02               E nominal = 0.036

NOMINAL DYNAMIC COEFFICIENTS  
 D1 = 1.92634e-4         H1 = -3.300000e-2  
 D2 = -4.64803e-2        H2 = 5.00000e+3  
 H3 = 1.45000e+3

BATH OXYGEN (ml/l)	BATH TEMPERATURE (° C)	BATH SALINITY (PSU)	INSTRUMENT OUTPUT (volts)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.16	6.00	0.00	0.802	1.16	-0.00
1.17	12.00	0.00	0.851	1.16	-0.00
1.17	20.00	0.00	0.916	1.17	-0.00
1.17	2.00	0.00	0.772	1.17	-0.00
1.17	26.00	0.00	0.968	1.17	-0.00
1.18	30.00	0.00	1.005	1.18	0.00
3.90	2.00	0.00	1.389	3.90	0.00
3.91	6.00	0.00	1.497	3.91	0.00
3.91	12.00	0.00	1.660	3.91	0.00
3.92	20.00	0.00	1.880	3.92	-0.00
3.94	26.00	0.00	2.059	3.95	0.00
3.95	30.00	0.00	2.180	3.95	0.00
6.70	2.00	0.00	2.019	6.69	-0.00
6.73	6.00	0.00	2.212	6.73	-0.00
6.78	12.01	0.00	2.504	6.78	-0.00
6.81	30.00	0.00	3.387	6.81	-0.00
6.81	20.00	0.00	2.895	6.81	0.00
6.87	26.00	0.00	3.208	6.87	-0.00

V = instrument output (volts); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

Oxsol(T,S) = oxygen saturation (ml/l); P = pressure (dbar)

Oxygen (ml/l) = Soc \* (V + Voffset) \* (1.0 + A \* T + B \* T<sup>2</sup> + C \* T<sup>3</sup>) \* Oxsol(T,S) \* exp(E \* P / K)

Residual (ml/l) = instrument oxygen - bath oxygen

