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SENSOR SERIAL NUMBER: 2132  
 CALIBRATION DATE: 01-Jan-20

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:            A = -3.7952e-003  
 Soc = 0.4321            B = 1.7212e-004  
 Voffset = -0.4916       C = -2.6434e-006  
 Tau20 = 1.18            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)
1.17	20.00	0.00	0.930	1.17	0.00
1.18	30.00	0.00	1.023	1.18	0.00
1.18	2.00	0.00	0.774	1.17	-0.00
1.18	26.00	0.00	0.986	1.18	0.00
1.18	12.00	0.00	0.863	1.18	-0.00
1.19	6.00	0.00	0.814	1.19	0.00
3.93	26.00	0.00	2.144	3.94	0.00
3.93	30.00	0.00	2.268	3.94	0.00
3.95	2.00	0.00	1.440	3.94	-0.01
3.96	20.00	0.00	1.974	3.96	0.00
3.97	6.00	0.00	1.567	3.98	0.01
3.98	12.00	0.00	1.742	3.97	-0.01
6.73	2.00	0.00	2.114	6.74	0.00
6.79	30.00	0.00	3.555	6.79	-0.00
6.81	26.00	0.00	3.352	6.81	0.00
6.83	12.02	0.00	2.644	6.83	0.00
6.84	6.00	0.00	2.340	6.84	-0.00
6.87	20.00	0.00	3.060	6.86	-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

