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SENSOR SERIAL NUMBER: 3799
CALIBRATION DATE: 14-Mar-19

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:

Soc = 3.1654e-004 (adj)
Foffset = -802.23
Tau20 = 1.49

A = -4.3479e-003
B = 1.5969e-004
C = -2.6355e-006
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 OX (ml/l)	BATH TEMP (° C)	BATH SAL (PSU)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.06	2.00	0.00	1151.984	1.06	-0.00
1.06	6.00	0.00	1196.377	1.06	-0.00
1.08	12.00	0.00	1273.742	1.08	-0.00
1.10	20.00	0.00	1377.298	1.10	0.00
1.11	26.00	0.00	1458.883	1.11	0.00
1.12	30.00	0.00	1517.784	1.12	0.00
3.83	2.00	0.00	2070.377	3.83	0.00
3.83	6.00	0.00	2231.236	3.83	0.00
3.85	12.00	0.00	2479.585	3.85	-0.00
3.88	20.00	0.00	2831.527	3.88	0.00
3.89	30.00	0.00	3282.360	3.89	-0.00
3.89	26.00	0.00	3102.211	3.90	0.00
6.61	2.00	0.00	2990.430	6.61	-0.00
6.62	6.00	0.00	3273.097	6.63	0.01
6.65	12.00	0.00	3699.947	6.64	-0.00
6.67	30.00	0.00	5056.571	6.67	-0.00
6.68	20.00	0.00	4294.265	6.68	-0.00
6.70	26.00	0.00	4755.990	6.70	0.00

F = instrument output (Hz); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

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

Oxygen (ml/l) = Soc * (F + Foffset) * (1.0 + A * T + B * T² + C * T³) * Oxsol(T,S) * exp(E * P / K)

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

