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SENSOR SERIAL NUMBER: 0130
 CALIBRATION DATE: 21-Nov-07

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 2.1841e-004
 Foffset = -788.7324

A = -1.0893e-003
 B = 2.0615e-004
 C = -3.5779e-006
 E = 0.036

BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(Hz)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.25	2.00	0.00	1383.402	1.26	0.00
1.26	6.00	0.00	1451.014	1.26	0.00
1.27	12.00	0.01	1552.348	1.27	0.00
1.28	20.00	0.01	1681.921	1.28	0.00
1.30	26.00	0.01	1792.085	1.30	0.00
1.32	30.00	0.01	1875.274	1.33	0.00
4.15	12.00	0.01	3277.500	4.14	-0.00
4.15	2.00	0.00	2750.161	4.14	-0.01
4.16	20.00	0.01	3685.207	4.15	-0.00
4.16	6.00	0.00	2973.405	4.16	-0.00
4.19	26.00	0.01	4012.059	4.19	-0.00
4.26	30.00	0.01	4275.429	4.25	-0.00
6.43	30.00	0.01	6058.497	6.43	-0.00
6.62	26.00	0.01	5884.515	6.62	0.00
6.75	20.00	0.01	5492.490	6.75	-0.00
6.81	12.00	0.01	4882.849	6.81	0.00
6.83	2.00	0.00	4026.673	6.83	0.01
6.87	6.00	0.00	4399.043	6.87	0.00

Oxygen (ml/l) = Soc * (F + Foffset) * (1.0 + A * T + B * T² + C * T³) * OxSol(T,S) * exp(E * P / K)
 F = frequency output from SBE43F, T = temperature [deg C], S = salinity [PSU] K = temperature [deg K]
 OxSol(T,S) = oxygen saturation [ml/l], P = pressure [dbar]
 Residual = instrument oxygen - bath oxygen

