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SENSOR SERIAL NUMBER: 1266
CALIBRATION DATE: 23-Jun-07p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.4442
Boc = 0.0000
Voffset = -0.5207

TCor = 0.0007
PCor = 1.350e-04

BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.20	2.00	0.00	0.801	1.21	0.00
1.20	6.00	0.00	0.831	1.20	-0.00
1.21	12.00	0.00	0.879	1.21	-0.00
1.23	20.00	0.00	0.947	1.22	-0.01
1.23	26.00	0.00	0.999	1.22	-0.00
1.24	30.00	0.00	1.040	1.24	0.00
4.15	26.00	0.00	2.140	4.15	-0.00
4.16	6.00	0.00	1.594	4.17	0.01
4.16	30.00	0.00	2.267	4.17	0.02
4.16	2.00	0.00	1.492	4.18	0.02
4.16	20.00	0.00	1.969	4.14	-0.02
4.16	12.00	0.00	1.750	4.15	-0.02
6.81	30.00	0.00	3.377	6.83	0.02
6.95	26.00	0.00	3.241	6.96	0.01
7.03	12.00	0.00	2.599	7.01	-0.02
7.05	20.00	0.00	2.977	7.02	-0.03
7.09	6.00	0.00	2.346	7.08	-0.01
7.11	2.00	0.00	2.180	7.13	0.03

oxygen (ml/l) = (Soc * (V + Voffset)) * exp(Tcor * T) * Oxsat(T,S) * exp(PCor * P)
V = voltage output from SBE43, T = temperature [deg C], S = salinity [PSU]
Oxsat(T,S) = oxygen saturation [ml/l], P = pressure [dbar]
Residual = instrument oxygen - bath oxygen

