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SENSOR SERIAL NUMBER: 0703
CALIBRATION DATE: 26-Aug-04p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.4057

Boc = 0.0000

Voffset = -0.4861

TCor = 0.0005

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)
1.39	12.00	0.01	0.939	1.39	0.00
1.40	20.00	0.01	1.025	1.40	-0.00
1.44	6.00	0.00	0.892	1.44	0.00
1.47	30.00	0.01	1.164	1.47	0.00
1.48	26.00	0.01	1.119	1.47	-0.00
1.48	2.00	0.00	0.863	1.48	-0.00
4.12	12.02	0.01	1.831	4.13	0.01
4.16	20.00	0.01	2.083	4.15	-0.00
4.23	26.00	0.01	2.302	4.22	-0.00
4.25	6.00	0.00	1.689	4.26	0.01
4.29	30.00	0.01	2.462	4.29	-0.00
4.38	2.00	0.00	1.600	4.37	-0.01
7.02	30.00	0.01	3.729	7.04	0.02
7.14	12.04	0.01	2.819	7.16	0.03
7.27	6.00	0.00	2.544	7.28	0.01
7.39	2.00	0.00	2.364	7.37	-0.02
7.40	20.00	0.01	3.325	7.38	-0.01
7.48	26.00	0.01	3.692	7.46	-0.02

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

