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SENSOR SERIAL NUMBER: 0703  
CALIBRATION DATE: 23-Aug-05p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.3981  
Boc = 0.0000  
Voffset = -0.4947

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)
1.27	11.92	0.01	0.915	1.27	0.01
1.30	6.00	0.00	0.868	1.30	0.00
1.31	20.00	0.01	1.006	1.31	0.00
1.32	26.00	0.01	1.068	1.32	-0.00
1.32	30.00	0.01	1.111	1.32	0.01
1.33	2.00	0.00	0.840	1.33	-0.00
4.14	11.97	0.01	1.867	4.15	0.01
4.17	30.00	0.01	2.440	4.17	0.01
4.19	20.00	0.01	2.124	4.18	-0.01
4.19	6.00	0.00	1.699	4.19	0.00
4.20	26.00	0.01	2.317	4.19	-0.01
4.23	2.00	0.00	1.588	4.21	-0.01
6.83	6.00	0.00	2.464	6.85	0.02
6.84	12.00	0.01	2.762	6.86	0.02
6.88	2.00	0.00	2.275	6.86	-0.02
6.97	20.00	0.01	3.208	6.96	-0.02
7.02	26.00	0.01	3.544	7.01	-0.01
7.11	30.00	0.01	3.813	7.12	0.01

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

