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SENSOR SERIAL NUMBER: 0154  
CALIBRATION DATE: 15-Apr-05p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.5135

Boc = 0.0000

Voffset = -0.4997

TCor = 0.0001

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)
1.35	12.00	0.01	0.854	1.37	0.03
1.39	20.00	0.01	0.930	1.41	0.02
1.40	6.00	0.00	0.815	1.41	0.02
1.42	26.00	0.01	0.986	1.42	-0.00
1.43	30.00	0.01	1.021	1.42	-0.01
1.44	2.00	0.00	0.787	1.43	-0.01
4.18	30.00	0.01	2.020	4.14	-0.05
4.20	12.00	0.01	1.601	4.27	0.07
4.21	26.00	0.01	1.939	4.20	-0.01
4.23	20.00	0.01	1.805	4.27	0.04
4.24	6.00	0.00	1.453	4.26	0.02
4.29	2.00	0.00	1.349	4.22	-0.07
6.77	30.00	0.01	2.957	6.69	-0.08
6.96	6.00	0.00	2.062	6.99	0.03
6.97	2.00	0.00	1.878	6.84	-0.12
6.98	12.00	0.01	2.329	7.09	0.11
7.13	20.00	0.01	2.700	7.20	0.06
7.19	26.00	0.01	2.958	7.18	-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

