

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0154
 CALIBRATION DATE: 04-Sep-03p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.4675

Boc = 0.0000

Voffset = -0.5083

TCor = 0.0016

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)
1.78	25.00	0.03	1.143	1.78	0.00
1.98	5.00	0.04	0.979	1.98	-0.00
2.63	25.00	0.03	1.446	2.63	0.00
2.86	5.00	0.04	1.188	2.86	-0.00
3.50	25.00	0.03	1.754	3.50	0.00
3.74	5.00	0.04	1.398	3.74	0.00
5.23	25.00	0.03	2.368	5.22	-0.01
5.51	5.00	0.04	1.817	5.50	-0.00
6.70	5.00	0.04	2.102	6.71	0.00
7.01	25.00	0.03	3.007	7.01	0.00

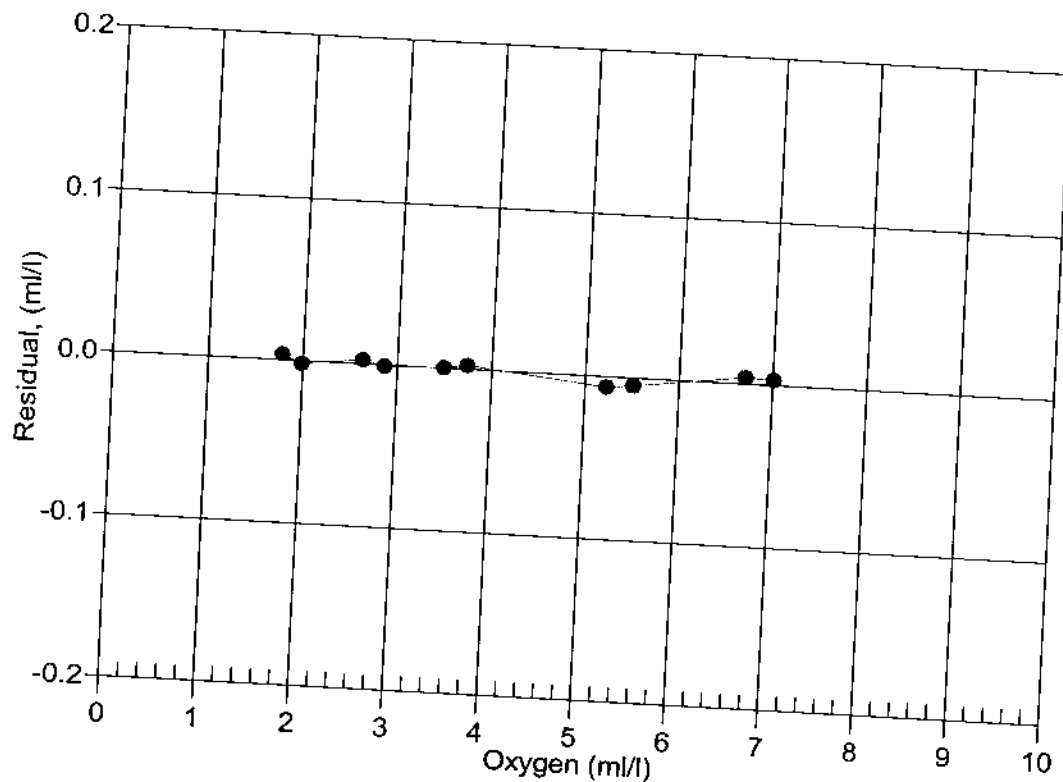
oxygen (ml/l) = (Soc * (V + Voffset)) * exp(Tcor * T) * Oxsat(T,S) * exp(PCor * P)

V = voltage output from SBE43, T = ocean temperature [deg C]

S = ocean salinity [PSU] from CTD, P = ocean pressure [dbar] from CTD

Oxsat(T,S) = oxygen saturation [ml/l]

Residual = instrument oxygen - bath oxygen



Date, Delta Ox (ml/l)

● 04-Sep-03p 0.00

CALIBRATION
 AFTER
 MODIFICATIONS