

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA
Phone: (425) 643 - 9866 Fax: (425) 643 - 9954 Internet: seabird@seabird.com

SENSOR SERIAL NUMBER = 0245
CALIBRATION DATE: 27-Aug-02

SBE 43
OXYGEN CALIBRATION DATA

COEFFICIENTS:

Soc = 0.4008

TCor = 0.0014

Boc = 0.0000

PCor = 1.350e-04

Voffset = -0.4413

BATH OX ml/l	BATH TEMP (ITS-90 °C)	BATH SAL PSU	INSTRUMENT VOLTS	INST OX ml/l	RESIDUAL ml/l
1.15	5.00	0.04	0.759	1.14	-0.01
1.35	25.00	0.03	1.008	1.36	0.01
2.22	5.00	0.04	1.057	2.22	-0.00
2.43	25.00	0.03	1.458	2.43	0.01
3.29	5.00	0.04	1.355	3.29	-0.00
3.52	25.00	0.03	1.910	3.52	0.00
5.43	5.00	0.04	1.949	5.43	0.00
5.69	25.00	0.03	2.816	5.68	-0.00
7.02	5.00	0.04	2.390	7.02	-0.00
7.88	25.00	0.03	3.732	7.88	-0.00

V = voltage output from SBE-43

T = ocean temperature [°C] from CTD

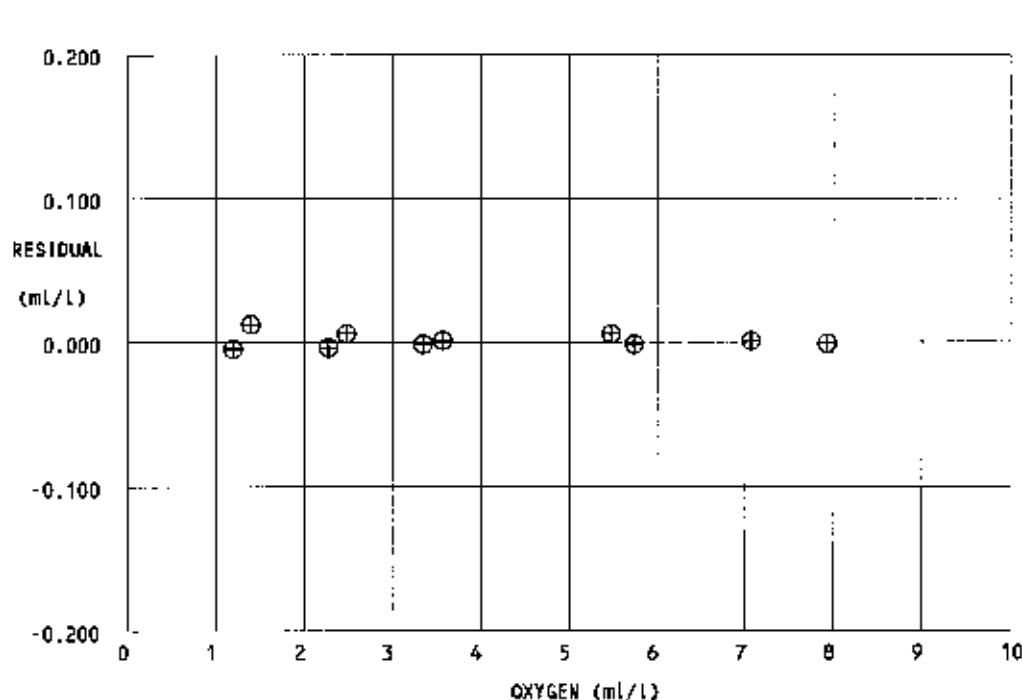
S = ocean salinity [PSU] from CTD

P = ocean pressure [dbar] from CTD

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

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

Residual = instrument oxygen - bath oxygen



calibration date delta O_x
27-Aug-02 0.0004



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SBE Pressure Test Certificate

Test Date: 4/22/02 Description SBE-43 DO Sensor

Job Number: 30012 Customer Name EXPLOROCEAN

SBE Sensor Information:

Model Number: 43

Serial Number: 0245

Pressure Sensor Information:

Sensor Type: None

Sensor Serial Number: None

Sensor Rating: 0

Pressure Test Protocol:

Low Pressure Test: 50 PSI Held For 15 Minutes

High Pressure Test: 10000 PSI Held For 15 Minutes

Passed Test:

Tested By: PC

