

SEA-BIRD ELECTRONICS, INC.

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

SENSOR SERIAL NUMBER: 0086
 CALIBRATION DATE: 20-Jul-07p

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 2.2379e-004
 Foffset = -778.9209

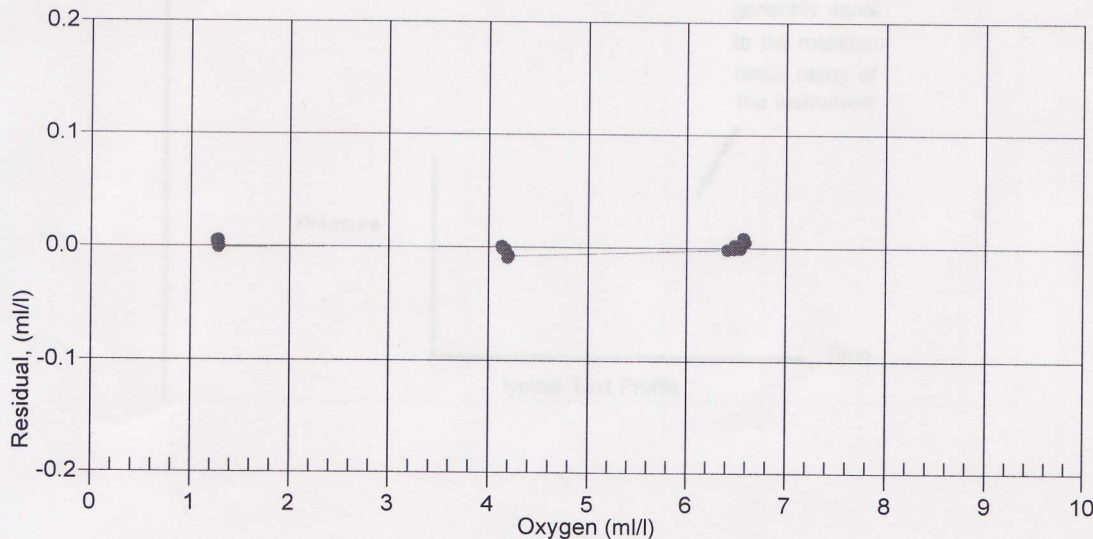
A = 2.0057e-004
 B = 1.8303e-004
 C = -3.5488e-006
 E = 0.036

BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(Hz)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.27	26.00	0.01	1716.256	1.27	0.00
1.27	20.00	0.01	1630.149	1.27	0.00
1.28	12.00	0.01	1519.275	1.28	0.00
1.28	30.00	0.01	1785.986	1.28	0.01
1.28	6.00	0.00	1431.270	1.28	0.00
1.28	2.00	0.00	1368.857	1.28	-0.00
4.13	26.00	0.01	3824.780	4.13	0.00
4.14	30.00	0.01	4030.628	4.14	-0.00
4.14	20.00	0.01	3549.672	4.14	-0.00
4.17	12.00	0.01	3193.634	4.17	-0.00
4.19	2.00	0.00	2706.986	4.18	-0.01
4.20	6.00	0.00	2912.330	4.19	-0.01
6.41	30.00	0.01	5819.634	6.41	-0.00
6.48	20.00	0.01	5119.378	6.48	-0.00
6.49	26.00	0.01	5566.842	6.49	0.00
6.54	12.00	0.01	4567.839	6.54	-0.00
6.57	6.00	0.00	4130.866	6.58	0.01
6.59	2.00	0.00	3821.269	6.60	0.00

Oxygen (ml/l) = Soc * (F + Foffset) * (1.0 + A * T + B * T² + C * T³) * OxSol(T,S) * exp(E * P / K)
 F = frequency output from SBE43F, T = temperature [deg C], S = salinity [PSU] K = temperature [deg K]
 OxSol(T,S) = oxygen saturation [ml/l], P = pressure [dbar]
 Residual = instrument oxygen - bath oxygen

Date, Delta Ox (ml/l)

● 20-Jul-07p 0.00





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Email: seabird@seabird.com

SBE Pressure Test Certificate

Test Date: 7/20/2007 Description SBE-43F DO Sensor

Job Number: 47155 Customer Name UW/APL

SBE Sensor Information:

Model Number: 43F

Serial Number: 0086

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: 850 PSI Held For 30 Minutes

Passed Test:

Tested By: gw

