

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0275
CALIBRATION DATE: 03-Nov-03p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.3568

Boc = 0.0000

Voffset = -0.4297

TCor = 0.0015

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)
1.71	25.00	0.00	1.228	1.71	-0.00
1.95	5.00	0.00	1.040	1.96	0.00
2.53	25.00	0.00	1.614	2.53	0.00
2.83	5.00	0.00	1.310	2.82	-0.00
3.40	25.00	0.00	2.023	3.40	-0.00
3.69	5.00	0.00	1.578	3.69	-0.00
5.12	25.00	0.00	2.826	5.12	-0.00
5.45	5.00	0.00	2.125	5.44	-0.01
6.73	5.00	0.00	2.528	6.73	0.01
6.93	25.00	0.00	3.672	6.93	0.00

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

Date, Delta Ox (ml/l)

03-Nov-03p 0.00

