Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3200

SBE 43 OXYGEN CALIBRATION DATA

CALIBRATION DATE: 12-Nov-15

BATH OXYGEN (ml/l)	BATH TEMPERATURE (° C)	BATH SALINITY (PSU)	INSTRUMENT OUTPUT (volts)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.17	6.00	0.00	0.754	1.17	0.00
1.17	20.00	0.00	0.851	1.17	-0.00
1.18	26.00	0.00	0.895	1.18	-0.00
1.18	12.00	0.00	0.799	1.18	-0.00
1.19	30.00	0.00	0.929	1.19	-0.00
1.19	2.00	0.00	0.732	1.19	-0.00
3.92	20.00	0.00	1.656	3.92	0.00
3.93	2.00	0.00	1.249	3.93	0.00
3.93	12.00	0.00	1.476	3.93	0.00
3.93	30.00	0.00	1.904	3.93	0.00
3.94	6.00	0.00	1.341	3.94	0.00
3.95	26.00	0.00	1.807	3.95	0.00
6.65	2.00	0.00	1.763	6.65	-0.00
6.70	12.00	0.00	2.155	6.69	-0.00
6.70	20.00	0.00	2.471	6.70	0.00
6.70	6.00	0.00	1.926	6.70	-0.00
6.74	30.00	0.00	2.901	6.74	0.00
6.74	26.00	0.00	2.727	6.74	-0.00

V = instrument output (volts); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

Oxsat(T,S) = oxygen saturation (ml/l); P = pressure (dbar)

Oxygen (ml/l) = Soc * (V + Voffset) * (1.0 + A * T + B * T^2 + C * T^3) * Oxsat(T,S) * exp(E * P / K)

Residual (ml/l) = instrument oxygen - bath oxygen

