

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 4229
CALIBRATION DATE: 11-Nov-15

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.74326635e+000
h = 1.50452811e+000
i = -1.58352051e-003
j = 2.10536506e-004

CPcor = -9.5700e-008 (nominal)

CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.54705	0.00000	0.00000
-1.0001	34.5404	2.78441	5.00267	2.78438	-0.00003
0.9999	34.5402	2.95459	5.11462	2.95463	0.00003
14.9999	34.5410	4.24139	5.89193	4.24140	0.00001
18.4999	34.5410	4.58576	6.08298	4.58573	-0.00003
28.9999	34.5385	5.66191	6.64441	5.66194	0.00003
32.5000	34.5310	6.03184	6.82658	6.03182	-0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

