

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: 3657
CALIBRATION DATE: 11-Dec-15

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

COEFFICIENTS:

g = -9.90382663e+000
h = 1.40299378e+000
i = -3.21440398e-003
j = 3.11030422e-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	2.66293	0.00000	0.00000
-1.0001	34.5639	2.78612	5.20363	2.78614	0.00001
0.9999	34.5645	2.95648	5.31968	2.95646	-0.00001
14.9999	34.5644	4.24396	6.12571	4.24396	-0.00000
18.4999	34.5644	4.58853	6.32386	4.58853	-0.00001
28.9999	34.5614	5.66524	6.90602	5.66526	0.00003
32.4999	34.5511	6.03494	7.09470	6.03493	-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

