

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: 6353
CALIBRATION DATE: 04-Nov-15

SBE 19plus V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.011985e+000
h = 1.502889e-001
i = -1.781337e-004
j = 3.506854e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2596.87	0.0000	0.00000
0.9997	34.6891	2.96610	5144.66	2.9661	-0.00000
4.5000	34.6690	3.27219	5338.30	3.2722	0.00000
14.9999	34.6261	4.25073	5914.26	4.2507	0.00000
18.4999	34.6169	4.59475	6103.59	4.5947	-0.00001
24.0000	34.6069	5.15091	6397.59	5.1509	0.00001
29.0000	34.6017	5.67111	6660.54	5.6711	-0.00001
32.5000	34.5994	6.04243	6841.90	6.0424	0.00001

$$f = \text{INST FREQ} / 1000.0$$

$$\text{Conductivity} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p) \text{ Siemens / meter}$$

t = temperatur e[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = instrument conductivity - bath conductivity

