Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 0062
CALIBRATION DATE: 23-Nov-22

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

COEFFICIENTS:

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g = -1.004849e+000
h =  1.424111e-001
i = -2.469467e-005
j =  2.428449e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.6486e-007
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2655.34	0.00000	0.00000
1.0000	34.6104	2.96004	5266.44	2.96004	0.00000
4.5000	34.5903	3.26550	5464.67	3.26549	-0.00001
15.0000	34.5473	4.24209	6054.32	4.24210	0.00001
18.5000	34.5383	4.58545	6248.16	4.58546	0.00001
24.0000	34.5285	5.14053	6549.09	5.14051	-0.00002
29.0000	34.5232	5.65969	6818.27	5.65970	0.00001
32.5000	34.5201	6.03015	7003.94	6.03033	0.00018

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

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