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SENSOR SERIAL NUMBER: 1863
CALIBRATION DATE: 05-Apr-18

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.003815e+000
h =  1.399629e-001
i = -8.936202e-005
j =  3.018815e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.1158e-006
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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	2678.22	0.00000	0.00000
0.9999	34.8011	2.97478	5324.39	2.97478	0.00000
4.4999	34.7812	3.28173	5525.02	3.28173	-0.00000
15.0000	34.7389	4.26312	6121.66	4.26312	-0.00000
18.5000	34.7299	4.60814	6317.74	4.60815	0.00001
24.0000	34.7199	5.16587	6622.09	5.16587	-0.00000
29.0000	34.7133	5.68734	6894.16	5.68733	-0.00001
32.5000	34.7089	6.05938	7081.68	6.05938	0.00001

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