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SENSOR SERIAL NUMBER: 3168
CALIBRATION DATE: 11-Jan-19

SBE 21 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -4.03269586e+000
h =   4.75273132e-001
i =  -3.90754103e-004
j =   4.26450863e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.91529	0.00000	0.00000
1.0000	34.8149	2.97586	8.43434	2.97586	0.00000
4.5000	34.7949	3.28290	8.80806	3.28291	0.00000
15.0000	34.7519	4.26455	9.90718	4.26452	-0.00002
18.5000	34.7428	4.60967	10.26518	4.60968	0.00001
24.0000	34.7325	5.16754	10.81821	5.16756	0.00002
28.9999	34.7264	5.68924	11.31026	5.68923	-0.00001
32.5000	34.7219	6.06139	11.64811	6.06127	-0.00012

f = Instrument Output (kHz)

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

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

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