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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 05-May-21

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

COEFFICIENTS:

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g = -9.708012e-001
h =  1.376703e-001
i = -2.197200e-004
j =  4.120538e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.4193e-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	2658.45	0.00000	0.00000
1.0000	34.6387	2.96223	5344.91	2.96222	-0.00001
4.5000	34.6189	3.26793	5547.89	3.26795	0.00002
15.0000	34.5786	4.24553	6151.16	4.24550	-0.00003
18.4999	34.5706	4.58927	6349.36	4.58928	0.00001
24.0000	34.5632	5.14512	6656.97	5.14513	0.00001
28.9999	34.5599	5.66502	6931.91	5.66502	-0.00000
32.5001	34.5600	6.03634	7121.37	6.03596	-0.00038

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