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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 23-Dec-17

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.908868e-001
h = 1.608443e-001
i = -2.355587e-004
j = 4.300341e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 0.0000e+000

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	2484.51	0.00000	0.00000
1.0000	34.7332	2.96954	4963.82	2.96952	-0.00001
4.5000	34.7136	3.27599	5151.73	3.27601	0.00002
15.0000	34.6714	4.25571	5710.41	4.25570	-0.00001
18.4999	34.6624	4.60014	5894.02	4.60015	0.00001
23.9999	34.6526	5.15695	6179.04	5.15695	-0.00000
29.0000	34.6479	5.67783	6433.97	5.67784	0.00000
32.5000	34.6456	6.04958	6609.73	6.04958	-0.00000

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

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

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

