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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 27-Dec-17

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

COEFFICIENTS:

g = -1.028162e+000
h = 1.463854e-001
i = -1.504307e-004
j = 3.469953e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 7.2604e-006

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	2651.41	0.00000	0.00000
0.9999	34.6845	2.96576	5220.50	2.96576	-0.00000
4.5000	34.6647	3.27183	5416.01	3.27183	0.00000
15.0000	34.6223	4.25033	5997.61	4.25033	0.00001
18.5000	34.6130	4.59430	6188.79	4.59430	-0.00000
24.0000	34.6026	5.15034	6485.63	5.15034	0.00000
28.9999	34.5961	5.67029	6751.05	5.67027	-0.00002
32.5000	34.5912	6.04116	6933.98	6.04117	0.00001

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

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

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

$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$

