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SENSOR SERIAL NUMBER: 0385
 CALIBRATION DATE: 10-Dec-17

SBE 45 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.882274e-001 CPcor = -9.5700e-008
 h = 1.341093e-001 CTcor = 3.2500e-006
 i = -2.032409e-004 WBOTC = 2.7605e-007
 j = 3.217085e-005

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	2717.74	0.00000	0.00000
1.0000	34.7637	2.97190	5437.20	2.97190	0.00000
4.5000	34.7442	3.27859	5643.17	3.27859	0.00000
15.0000	34.7022	4.25910	6255.57	4.25908	-0.00002
18.5000	34.6933	4.60381	6456.82	4.60382	0.00001
24.0000	34.6837	5.16108	6769.20	5.16108	0.00000
29.0000	34.6783	5.68225	7048.50	5.68225	-0.00000
32.5001	34.6752	6.05417	7240.99	6.05409	-0.00008

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

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

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

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

