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SENSOR SERIAL NUMBER: 0385  
 CALIBRATION DATE: 01-Mar-20

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

COEFFICIENTS:

g = -9.837356e-001                      CPcor = -9.5700e-008  
 h = 1.334334e-001                      CTcor = 3.2500e-006  
 i = -1.301288e-004                      WBOTC = 2.7605e-007  
 j = 2.805827e-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	2716.71	0.00000	0.00000
1.0000	34.9031	2.98268	5449.62	2.98269	0.00002
4.5000	34.8828	3.29038	5656.26	3.29037	-0.00001
15.0000	34.8387	4.27407	6270.61	4.27404	-0.00003
18.5000	34.8286	4.61982	6472.44	4.61983	0.00000
24.0000	34.8175	5.17878	6785.73	5.17882	0.00003
29.0000	34.8105	5.70148	7065.76	5.70147	-0.00000
32.5000	34.8050	6.07424	7258.69	6.07423	-0.00001

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

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

