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SENSOR SERIAL NUMBER: 0399
 CALIBRATION DATE: 01-Mar-20

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

COEFFICIENTS:

g = -9.742456e-001 CPcor = -9.5700e-008
 h = 1.423140e-001 CTcor = 3.2500e-006
 i = -3.737917e-004 WBOTC = 6.9909e-007
 j = 4.937538e-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	2622.33	0.00000	0.00000
1.0000	34.9031	2.98268	5284.06	2.98268	0.00001
4.5000	34.8828	3.29038	5485.06	3.29037	-0.00001
15.0000	34.8387	4.27407	6082.40	4.27405	-0.00002
18.5000	34.8286	4.61982	6278.57	4.61984	0.00001
24.0000	34.8175	5.17878	6582.97	5.17880	0.00001
29.0000	34.8105	5.70148	6855.01	5.70146	-0.00001
32.5000	34.8050	6.07424	7042.38	6.07424	0.00000

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

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

