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SENSOR SERIAL NUMBER: 0399
 CALIBRATION DATE: 08-Feb-24

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

COEFFICIENTS:

g = -9.960363e-001 CPcor = -9.5700e-008
 h = 1.457400e-001 CTcor = 3.2500e-006
 i = -1.097647e-003 WBOTC = 6.9909e-007
 j = 9.289246e-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	2634.63	0.00000	0.00000
1.0000	34.5582	2.95600	5265.58	2.95595	-0.00004
4.5000	34.5388	3.26111	5465.53	3.26116	0.00005
15.0000	34.4969	4.23656	6059.80	4.23657	0.00002
18.5000	34.4879	4.57948	6255.03	4.57947	-0.00001
24.0000	34.4776	5.13378	6557.97	5.13375	-0.00004
29.0000	34.4711	5.65211	6828.73	5.65213	0.00002
32.5000	34.4663	6.02182	7015.26	6.02194	0.00012

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

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

