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SENSOR SERIAL NUMBER: 21145
CALIBRATION DATE: 04-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.007427e+000
h = 1.437747e-001
i = -8.856048e-005
j = 2.798619e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 1.5738e-007

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	2647.42	0.00000	0.00000
0.9999	34.9389	2.98543	5264.21	2.98541	-0.00002
4.5000	34.9192	3.29347	5462.76	3.29349	0.00002
14.9999	34.8798	4.27857	6053.30	4.27857	0.00000
18.4999	34.8711	4.62484	6247.39	4.62486	0.00001
24.0000	34.8619	5.18466	6548.69	5.18462	-0.00003
29.0000	34.8550	5.70794	6818.05	5.70796	0.00002
32.5000	34.8489	6.08103	7003.60	6.08109	0.00006

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

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

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

