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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 12-Nov-23

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

COEFFICIENTS:

g = -1.086250e+000
h = 1.557839e-001
i = -3.325976e-004
j = 4.730425e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -7.8271e-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	2647.55	0.00000	0.00000
1.0000	34.4329	2.94630	5095.61	2.94628	-0.00002
4.5001	34.4123	3.25035	5284.49	3.25037	0.00003
15.0000	34.3691	4.22251	5847.31	4.22250	-0.00002
18.5000	34.3596	4.56427	6032.64	4.56428	0.00001
24.0000	34.3490	5.11674	6320.63	5.11675	0.00001
29.0000	34.3424	5.63336	6578.40	5.63334	-0.00002
32.4998	34.3374	6.00183	6756.19	6.00184	0.00001

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

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

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

