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SENSOR SERIAL NUMBER: 0448
CALIBRATION DATE: 28-Oct-23

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.980240e-001
h = 1.251166e-001
i = -1.374424e-004
j = 2.885287e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006

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	2826.10	0.0000	0.00000
1.0000	33.7164	2.89073	5572.16	2.8907	0.00002
4.4999	33.7040	3.18991	5781.62	3.1899	-0.00001
15.0000	33.6808	4.14675	6404.83	4.1467	-0.00002
18.5000	33.6770	4.48321	6609.70	4.4832	-0.00001
24.0000	33.6742	5.02713	6927.75	5.0272	0.00002
29.0000	33.6738	5.53582	7212.11	5.5358	0.00002
32.5000	33.6714	5.89846	7407.93	5.8984	-0.00002

f = Instrument Output (Hz) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = 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

