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SENSOR SERIAL NUMBER: 2459
 CALIBRATION DATE: 12-Oct-23

SBE 4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.00816424e+001
 h = 1.26155715e+000
 i = -4.05206883e-003
 j = 3.51763036e-004

CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.83667	0.00000	0.00000
-1.0000	34.6000	2.78877	5.51156	2.78873	-0.00004
1.0000	34.6008	2.95929	5.63408	2.95934	0.00005
15.0000	34.6020	4.24810	6.48454	4.24809	-0.00001
18.5000	34.6016	4.59295	6.69359	4.59295	0.00000
29.0001	34.5966	5.67038	7.30763	5.67038	0.00000
32.4999	34.5840	6.04004	7.50664	6.04032	0.00029

f = Instrument Output (kHz)

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

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

