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SENSOR SERIAL NUMBER: 1749
 CALIBRATION DATE: 20-Oct-22

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

COEFFICIENTS:

g = -4.02387354e+000 CPcor = -9.5700e-008 (nominal)
 h = 5.07742954e-001 CTcor = 3.2500e-006 (nominal)
 i = -6.35989947e-004
 j = 5.85619794e-005

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	2.81882	0.00000	0.00000
-1.0000	34.5764	2.78705	7.93634	2.78710	0.00006
0.9999	34.5766	2.95741	8.14496	2.95740	-0.00001
15.0000	34.5770	4.24535	9.57435	4.24519	-0.00017
18.5000	34.5763	4.58995	9.92151	4.59001	0.00005
29.0000	34.5717	5.66675	10.93325	5.66699	0.00024
32.5000	34.5591	6.03619	11.25840	6.03602	-0.00017

f = Instrument Output (kHz)

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

Conductivity (S/m) = (g + h * f² + i * f³ + j * f⁴) / 10 (1 + δ * t + ε * p)

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

