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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 27-Apr-22

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

COEFFICIENTS:

g = -9.96287551e+000
h = 1.34693407e+000
i = -1.49085884e-004
j = 8.93116463e-005

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	2.71943	0.00000	0.00000
-1.0001	34.6626	2.79334	5.30087	2.79334	-0.00000
0.9999	34.6624	2.96405	5.41878	2.96406	0.00001
15.0000	34.6606	4.25453	6.23790	4.25452	-0.00001
18.4999	34.6578	4.59960	6.43918	4.59960	0.00000
29.0000	34.6494	5.67805	7.03083	5.67806	0.00001
32.4999	34.6347	6.04788	7.22245	6.04788	-0.00001

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

