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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 23-Jun-21

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

COEFFICIENTS:

g = -4.05500092e+000
h = 5.33464963e-001
i = 2.81656411e-004
j = 2.08403861e-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	2.75462	0.00000	0.00000
-1.0000	34.8207	2.80490	7.73281	2.80491	0.00002
1.0000	34.8211	2.97634	7.93567	2.97632	-0.00001
15.0000	34.8211	4.27214	9.32545	4.27212	-0.00002
18.5000	34.8199	4.61879	9.66286	4.61881	0.00001
29.0001	34.8130	5.70185	10.64687	5.70187	0.00002
32.5001	34.7987	6.07328	10.96352	6.07326	-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

