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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 23-Jun-21

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

COEFFICIENTS:

g = -3.92612883e+000
h = 5.15846460e-001
i = 1.46425968e-004
j = 2.64934744e-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	2.75719	0.00000	0.00000
-1.0000	34.8207	2.80490	7.85196	2.80492	0.00002
1.0000	34.8212	2.97634	8.05878	2.97633	-0.00002
15.0000	34.8214	4.27217	9.47512	4.27215	-0.00003
18.5000	34.8199	4.61879	9.81881	4.61882	0.00003
29.0001	34.8130	5.70185	10.82088	5.70184	-0.00000
32.5001	34.7990	6.07333	11.14315	6.07311	-0.00022

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

