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SENSOR SERIAL NUMBER: 4346
CALIBRATION DATE: 14-Apr-22

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

COEFFICIENTS:

g = -9.90476094e+000
h = 1.29805965e+000
i = -3.42385391e-003
j = 3.07303756e-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	2.76994	0.00000	0.00000
-1.0001	34.6915	2.79545	5.42046	2.79542	-0.00003
0.9999	34.6902	2.96620	5.54143	2.96624	0.00004
14.9999	34.6882	4.25755	6.38155	4.25754	-0.00001
18.4999	34.6861	4.60295	6.58794	4.60294	-0.00001
28.9999	34.6759	5.68189	7.19409	5.68192	0.00003
32.4999	34.6577	6.05144	7.39005	6.05143	-0.00002

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

