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SENSOR SERIAL NUMBER: 3220
CALIBRATION DATE: 31-May-23

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

COEFFICIENTS:

g = -9.77341144e+000
h = 1.34369691e+000
i = 3.33824658e-005
j = 7.19503729e-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	2.69633	0.00000	0.00000
-1.0001	34.7321	2.79842	5.29660	2.79844	0.00002
0.9999	34.7331	2.96952	5.41508	2.96950	-0.00002
14.9999	34.7334	4.26251	6.23781	4.26252	0.00001
18.4999	34.7334	4.60855	6.44006	4.60855	-0.00000
28.9999	34.7296	5.68970	7.03430	5.68969	-0.00001
32.5000	34.7170	6.06063	7.22683	6.06064	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

