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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 12-Mar-21

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

COEFFICIENTS:

g = -1.01093556e+001
h = 1.37726196e+000
i = 1.66150238e-003
j = -1.80862062e-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	2.70500	0.00000	0.00000
-1.0001	34.7258	2.79796	5.24322	2.79794	-0.00002
0.9999	34.7250	2.96890	5.35930	2.96892	0.00003
15.0001	34.7228	4.26137	6.16592	4.26134	-0.00002
18.4998	34.7195	4.60689	6.36416	4.60690	0.00001
29.0000	34.7086	5.68666	6.94694	5.68667	0.00001
32.4998	34.6887	6.05623	7.13537	6.05622	-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

