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SENSOR SERIAL NUMBER: 2039  
 CALIBRATION DATE: 08-Jun-21

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

COEFFICIENTS:

g = -1.03690133e+001  
 h = 1.27004344e+000  
 i = 2.04078730e-004  
 j = 4.45467019e-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	2.85626	0.00000	0.00000
-1.0001	34.8334	2.80582	5.49526	2.80581	-0.00000
0.9999	34.8335	2.97729	5.61635	2.97729	0.00000
14.9999	34.8339	4.27353	6.45836	4.27354	0.00001
18.4999	34.8226	4.61910	6.66479	4.61911	0.00000
28.9999	34.8190	5.70270	7.27392	5.70268	-0.00002
32.4999	34.8074	6.07460	7.47148	6.07462	0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = 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

