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SENSOR SERIAL NUMBER: 2322  
CALIBRATION DATE: 05-May-21

SBE 37 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.076067e+000  
h = 1.516474e-001  
i = -2.607554e-004  
j = 4.562072e-005

CPcor = -9.5700e-008  
CTcor = 3.2500e-006  
WBOTC = 3.3120e-006

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2666.97	0.00000	0.00000
1.0000	34.6387	2.96223	5162.59	2.96223	0.00000
4.5000	34.6189	3.26793	5353.69	3.26794	0.00001
15.0000	34.5786	4.24553	5922.70	4.24549	-0.00003
18.4999	34.5706	4.58927	6109.92	4.58928	0.00002
24.0000	34.5632	5.14512	6400.74	5.14514	0.00002
28.9999	34.5599	5.66502	6660.89	5.66501	-0.00001
32.5001	34.5600	6.03634	6840.17	6.03574	-0.00060

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

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

Conductivity (S/m) =  $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

