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SENSOR SERIAL NUMBER: 6314  
CALIBRATION DATE: 26-Nov-21

SBE 41 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.911176e-001  
h = 1.449403e-001  
i = -3.438320e-004  
j = 4.694990e-005

CPcor = -9.5700e-008  
CTcor = 3.2500e-006  
WBOTC = -3.4980e-007

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	2620.22	0.00000	0.00000
1.0000	34.9937	2.98968	5249.99	2.98969	0.00001
4.5000	34.9740	3.29813	5449.01	3.29812	-0.00001
15.0000	34.9309	4.28418	6040.65	4.28417	-0.00001
18.5000	34.9213	4.63079	6235.01	4.63078	-0.00001
23.9941	34.9098	5.19038	6536.28	5.19039	0.00001
29.0001	34.9017	5.71474	6806.14	5.71477	0.00003
32.5000	34.8948	6.08813	6991.71	6.08810	-0.00002

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

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

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

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

