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SENSOR SERIAL NUMBER: 1865  
CALIBRATION DATE: 26-May-21

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

COEFFICIENTS:

g = -9.743364e-001  
h = 1.343021e-001  
i = -8.056321e-005  
j = 2.988853e-005

CPcor = -9.5700e-008  
CTcor = 3.2500e-006  
WBOTC = 2.0729e-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	2693.42	0.00000	0.00000
0.9999	34.6711	2.96473	5406.90	2.96474	0.00001
4.5000	34.6515	3.27070	5611.90	3.27069	-0.00001
15.0000	34.6097	4.24894	6221.19	4.24892	-0.00002
18.4999	34.6009	4.59286	6421.35	4.59286	0.00000
24.0000	34.5913	5.14884	6731.97	5.14887	0.00002
29.0000	34.5851	5.66870	7009.54	5.66870	0.00000
32.5000	34.5793	6.03932	7200.68	6.03931	-0.00001

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

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

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

$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$

