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SENSOR SERIAL NUMBER: 4425  
CALIBRATION DATE: 08-Jan-21

SBE 16plus CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

#### COEFFICIENTS:

g = -1.059431e+000  
h = 1.448977e-001  
i = -3.829930e-004  
j = 5.256131e-005

CPcor = -9.5700e-008  
CTcor = 3.2500e-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	2710.10	0.0000	0.00000
0.9999	34.6247	2.96113	5277.76	2.9611	-0.00001
4.5000	34.6048	3.26673	5474.02	3.2667	0.00000
15.0000	34.5639	4.24391	6058.17	4.2440	0.00004
18.4999	34.5553	4.58746	6250.19	4.5874	-0.00005
23.9999	34.5462	5.14286	6548.48	5.1429	0.00001
29.0000	34.5420	5.66243	6815.29	5.6624	0.00000
32.5001	34.5394	6.03315	6999.25	6.0332	0.00007

f = Instrument Output (Hz) / 1000.0

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

