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SENSOR SERIAL NUMBER: 6244  
 CALIBRATION DATE: 19-Jan-23

SBE 19plus V2 CONDUCTIVITY CALIBRATION DATA  
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.885984e-001                      CPcor = -9.5700e-008  
 h = 1.572160e-001                      CTcor = 3.2500e-006  
 i = -8.956598e-004  
 j = 1.022063e-004

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	2520.54	0.0000	0.00000
1.0000	34.8661	2.97982	5055.05	2.9799	0.00005
4.5000	34.8457	3.28722	5246.65	3.2872	-0.00005
15.0000	34.8025	4.27010	5816.12	4.2701	0.00002
18.5000	34.7931	4.61562	6002.99	4.6155	-0.00011
24.0000	34.7831	5.17423	6293.11	5.1743	0.00010
29.0000	34.7768	5.69658	6552.11	5.6966	0.00003
32.4997	34.7710	6.06895	6730.34	6.0689	-0.00004

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

