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SENSOR SERIAL NUMBER: 1525
CALIBRATION DATE: 07-Aug-22

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

COEFFICIENTS:

```
g = -1.043528e+000
h =  1.594548e-001
i = -1.111376e-004
j =  3.867024e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.7236e-006
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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	2558.31	0.00000	0.00000
1.0000	34.6665	2.96438	5007.01	2.96439	0.00002
4.5000	34.6475	3.27036	5193.73	3.27035	-0.00002
15.0000	34.6068	4.24862	5749.38	4.24861	-0.00001
18.5000	34.5986	4.59260	5932.12	4.59260	0.00001
24.0000	34.5897	5.14863	6215.86	5.14865	0.00002
29.0000	34.5845	5.66861	6469.59	5.66860	-0.00001
32.5000	34.5804	6.03949	6644.43	6.03939	-0.00010

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

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

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