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SENSOR SERIAL NUMBER: 2022
CALIBRATION DATE: 07-Apr-23

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

COEFFICIENTS:

```
g = -9.862423e-001
h =  1.390264e-001
i = -1.689907e-004
j =  3.444155e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.8990e-005
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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	2664.86	0.00000	0.00000
0.9999	34.6648	2.96424	5329.07	2.96423	-0.00000
4.4999	34.6454	3.27018	5530.60	3.27018	0.00001
15.0000	34.6044	4.24836	6129.66	4.24835	-0.00001
18.5000	34.5959	4.59228	6326.48	4.59228	0.00001
24.0000	34.5869	5.14826	6631.95	5.14827	0.00001
29.0000	34.5824	5.66830	6905.04	5.66829	-0.00001
32.5000	34.5798	6.03940	7093.27	6.03940	0.00000

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