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SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 20-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.728877e-001
h =  1.393975e-001
i = -1.837425e-004
j =  3.480248e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0969e-007
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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	2644.11	0.00000	0.00000
1.0000	34.5671	2.95669	5309.31	2.95670	0.00001
4.5000	34.5485	3.26194	5510.90	3.26192	-0.00001
14.9999	34.5103	4.23802	6110.28	4.23802	-0.00000
18.4999	34.5029	4.58125	6307.22	4.58123	-0.00002
24.0000	34.4953	5.13613	6612.93	5.13616	0.00004
29.0000	34.4917	5.65510	6886.19	5.65509	-0.00002
32.5001	34.4871	6.02505	7074.47	6.02527	0.00022

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