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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 25-May-21

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

COEFFICIENTS:

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g = -9.890340e-001
h =  1.543989e-001
i = -1.922777e-004
j =  4.556251e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.2476e-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	2532.29	0.00000	0.00000
0.9998	34.6087	2.95989	5054.14	2.95992	0.00003
4.5000	34.5892	3.26540	5245.00	3.26535	-0.00006
15.0000	34.5495	4.24233	5812.64	4.24239	0.00005
18.5000	34.5411	4.58578	5999.07	4.58578	-0.00000
23.9999	34.5320	5.14098	6288.41	5.14093	-0.00004
28.9999	34.5268	5.66020	6547.10	5.66022	0.00002
32.5001	34.5238	6.03074	6725.35	6.03069	-0.00004

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