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SENSOR SERIAL NUMBER: 0118
CALIBRATION DATE: 30-Oct-20

Glider Payload CTD CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.785539e-001
h =  1.572899e-001
i = -3.370783e-004
j =  5.074605e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.6695e-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	2498.43	0.00000	0.00000
1.0000	34.6979	2.96681	5014.94	2.96681	-0.00000
4.5000	34.6783	3.27298	5205.35	3.27299	0.00001
15.0000	34.6366	4.25190	5771.36	4.25188	-0.00001
18.5000	34.6279	4.59607	5957.34	4.59607	0.00000
24.0000	34.6187	5.15247	6246.00	5.15248	0.00001
29.0000	34.6140	5.67290	6504.07	5.67290	-0.00001
32.5000	34.6087	6.04387	6681.99	6.04436	0.00049

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