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SENSOR SERIAL NUMBER: 0164
CALIBRATION DATE: 04-Oct-19

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

COEFFICIENTS:

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g = -9.909539e-001
h =  1.420653e-001
i = -7.167830e-005
j =  2.493567e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.8395e-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	2641.22	0.00000	0.00000
1.0000	34.8556	2.97900	5280.39	2.97901	0.00001
4.5000	34.8352	3.28633	5480.22	3.28633	-0.00001
15.0000	34.7921	4.26896	6074.53	4.26895	-0.00001
18.5000	34.7820	4.61431	6269.80	4.61430	-0.00001
24.0000	34.7695	5.17243	6572.87	5.17246	0.00003
29.0000	34.7593	5.69403	6843.66	5.69402	-0.00001
32.5000	34.7469	6.06526	7029.94	6.06534	0.00009

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