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SENSOR SERIAL NUMBER: 9082
CALIBRATION DATE: 02-Nov-19

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

COEFFICIENTS:

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g = -9.705789e-001
h =  1.301708e-001
i = -3.288088e-004
j =  4.126293e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2788e-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	2736.78	0.00000	0.00000
1.0000	34.8172	2.97603	5518.09	2.97603	-0.00000
4.5000	34.7957	3.28297	5728.03	3.28296	-0.00001
15.0000	34.7526	4.26463	6352.19	4.26465	0.00003
18.5000	34.7442	4.60984	6557.23	4.60984	0.00001
24.0000	34.7352	5.16789	6875.40	5.16786	-0.00003
29.0000	34.7297	5.68973	7159.76	5.68972	-0.00001
32.5000	34.7243	6.06176	7355.55	6.06177	0.00001

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