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SENSOR SERIAL NUMBER: 0316
CALIBRATION DATE: 18-Jan-19

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

COEFFICIENTS:

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g =  -9.91558585e+000
h =   1.14792367e+000
i =  -2.32534069e-003
j =   2.44710111e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.94509	0.00000	0.00000
1.0000	34.8936	2.98194	5.89680	2.98193	-0.00001
4.5000	34.8735	3.28959	6.12049	3.28959	0.00000
15.0000	34.8305	4.27317	6.78574	4.27322	0.00005
18.5000	34.8218	4.61902	7.00436	4.61899	-0.00003
24.0000	34.8113	5.17796	7.34375	5.17794	-0.00002
29.0000	34.8048	5.70065	7.64722	5.70066	0.00001
32.5000	34.7993	6.07336	7.85625	6.07333	-0.00003

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity