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SENSOR SERIAL NUMBER: 0351
CALIBRATION DATE: 22-Mar-20

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

COEFFICIENTS:

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g =  -1.00205287e+001
h =   1.13112418e+000
i =  -2.88508799e-003
j =   2.73703359e-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	2.98455	0.00000	0.00000
1.0000	34.8818	2.98103	5.95382	2.98105	0.00002
4.5000	34.8621	3.28862	6.17917	3.28861	-0.00001
15.0000	34.8188	4.27189	6.84940	4.27186	-0.00003
18.5000	34.8094	4.61755	7.06972	4.61756	0.00000
24.0000	34.7990	5.17634	7.41173	5.17636	0.00002
29.0000	34.7932	5.69896	7.71758	5.69898	0.00002
32.5000	34.7895	6.07184	7.92838	6.07182	-0.00002

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