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SENSOR SERIAL NUMBER: 0338
CALIBRATION DATE: 03-Mar-20

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

COEFFICIENTS:

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g =  -9.89351013e+000
h =   1.08667714e+000
i =  -1.86645189e-003
j =   1.99226650e-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	3.02266	0.00000	0.00000
1.0000	34.8753	2.98053	6.05536	2.98054	0.00001
4.5000	34.8554	3.28805	6.28513	3.28803	-0.00002
15.0000	34.8136	4.27132	6.96860	4.27131	-0.00000
18.4999	34.8046	4.61697	7.19323	4.61699	0.00001
24.0000	34.7947	5.17577	7.54195	5.17576	-0.00001
28.9999	34.7877	5.69815	7.85368	5.69815	0.00000
32.5000	34.7815	6.07061	8.06838	6.07053	-0.00008

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