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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 19-Feb-21

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

COEFFICIENTS:

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g =  -1.00094764e+001
h =   1.12845192e+000
i =  -3.99190504e-003
j =   3.58480550e-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	2.98986	0.00000	0.00000
1.0000	34.6492	2.96304	5.95612	2.96303	-0.00001
4.4999	34.6292	3.26880	6.18138	3.26882	0.00002
14.9999	34.5886	4.24662	6.85139	4.24659	-0.00003
18.4999	34.5798	4.59036	7.07160	4.59037	0.00002
24.0000	34.5708	5.14613	7.41343	5.14614	0.00001
29.0000	34.5661	5.66593	7.71905	5.66593	-0.00001
32.5001	34.5636	6.03690	7.92968	6.03679	-0.00011

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