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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 25-Jan-22

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

COEFFICIENTS:

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g =  -9.97122842e+000
h =   1.11843624e+000
i =  -1.64825012e-003
j =   2.10040559e-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	2.98993	0.00000	0.00000
1.0162	34.6494	2.96445	5.95796	2.96462	0.00016
4.5000	34.6292	3.26881	6.18178	3.26861	-0.00020
15.0000	34.5875	4.24650	6.85167	4.24648	-0.00002
18.5000	34.5786	4.59023	7.07186	4.59027	0.00004
24.0000	34.5687	5.14585	7.41364	5.14592	0.00007
29.0000	34.5627	5.66544	7.71918	5.66539	-0.00005
32.5000	34.5587	6.03613	7.92975	6.03594	-0.00019

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