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SENSOR SERIAL NUMBER: 0355
CALIBRATION DATE: 02-Feb-24

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

COEFFICIENTS:

g = -1.01143805e+001
h = 1.11255045e+000
i = -2.96017620e-003
j = 2.87435575e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

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	3.02376	0.00000	0.00000
1.0000	34.5785	2.95757	5.99285	2.95756	-0.00001
4.5000	34.5583	3.26277	6.21869	3.26278	0.00001
15.0000	34.5158	4.23863	6.89054	4.23865	0.00002
18.5000	34.5067	4.58171	7.11138	4.58171	-0.00000
24.0000	34.4964	5.13627	7.45423	5.13625	-0.00002
29.0000	34.4898	5.65483	7.76080	5.65483	0.00000
32.5000	34.4856	6.02481	7.97211	6.02481	0.00001

f = Instrument Output (kHz)

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

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

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

