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SENSOR SERIAL NUMBER: 0317
CALIBRATION DATE: 22-Dec-23

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

COEFFICIENTS:

g = -9.90735048e+000
h = 1.17150180e+000
i = 1.04325410e-004
j = 7.65268151e-005

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	2.90691	0.00000	0.00000
1.0000	34.5674	2.95671	5.79694	2.95671	-0.00000
4.5000	34.5479	3.26189	6.01631	3.26189	0.00000
15.0000	34.5059	4.23754	6.66896	4.23755	0.00001
18.5000	34.4969	4.58055	6.88356	4.58054	-0.00000
24.0000	34.4868	5.13500	7.21680	5.13499	-0.00001
29.0000	34.4806	5.65349	7.51492	5.65351	0.00002
32.5001	34.4752	6.02321	7.72034	6.02320	-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

