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SENSOR SERIAL NUMBER: 0191
CALIBRATION DATE: 23-Feb-22

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

COEFFICIENTS:

g = -9.97392422e+000
h = 1.15966364e+000
i = -1.38509376e-003
j = 1.90245395e-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	2.93577	0.00000	0.00000
1.0000	34.6243	2.96111	5.84654	2.96112	0.00000
4.4997	34.6045	3.26668	6.06751	3.26667	-0.00001
15.0000	34.5636	4.24388	6.72502	4.24387	-0.00001
18.5000	34.5548	4.58741	6.94118	4.58743	0.00002
24.0001	34.5449	5.14271	7.27673	5.14269	-0.00002
29.0000	34.5379	5.66183	7.57676	5.66183	0.00001
32.5000	34.5325	6.03207	7.78349	6.03205	-0.00003

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

