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SENSOR SERIAL NUMBER: 0317
CALIBRATION DATE: 18-Feb-21

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

COEFFICIENTS:

g = -9.91127724e+000
h = 1.17353913e+000
i = -5.55180045e-004
j = 1.31955732e-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	2.90675	0.00000	0.00000
1.0000	34.6356	2.96199	5.80092	2.96200	0.00002
4.5000	34.6160	3.26768	6.02047	3.26767	-0.00002
15.0000	34.5757	4.24521	6.67378	4.24520	-0.00001
18.4999	34.5673	4.58888	6.88856	4.58888	-0.00000
24.0000	34.5582	5.14446	7.22210	5.14448	0.00002
29.0000	34.5532	5.66406	7.52040	5.66404	-0.00001
32.5001	34.5509	6.03493	7.72593	6.03450	-0.00043

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

