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SENSOR SERIAL NUMBER: 0131
CALIBRATION DATE: 14-Aug-20

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

COEFFICIENTS:

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g =  -1.01075183e+001
h =   1.13564166e+000
i =  -2.61970338e-003
j =   2.86278481e-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	2.99028	0.00000	0.00000
1.0000	34.8771	2.98067	5.94280	2.98069	0.00002
4.5000	34.8575	3.28823	6.16698	3.28820	-0.00002
15.0000	34.8145	4.27142	6.83380	4.27141	-0.00001
18.4999	34.8055	4.61708	7.05297	4.61708	0.00000
24.0000	34.7956	5.17589	7.39322	5.17590	0.00001
28.9999	34.7902	5.69851	7.69746	5.69852	0.00000
32.5000	34.7873	6.07150	7.90722	6.07150	-0.00001

f = Instrument Output (kHz)

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

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

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