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SENSOR SERIAL NUMBER: 2148
 CALIBRATION DATE: 24-Jan-19

SBE 4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.02267253e+001
 h = 1.52080993e+000
 i = -2.35408189e-003
 j = 2.69367669e-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) |
|--------------------|-------------------|--------------------|----------------------------|--------------------------|-------------------|
| 0.0000 | 0.0000 | 0.00000 | 2.59684 | 0.00000 | 0.00000 |
| -1.0000 | 34.3983 | 2.77402 | 5.00477 | 2.77401 | -0.00001 |
| 0.9999 | 34.3983 | 2.94361 | 5.11529 | 2.94362 | 0.00002 |
| 15.0000 | 34.3977 | 4.22566 | 5.88340 | 4.22564 | -0.00001 |
| 18.5000 | 34.3962 | 4.56861 | 6.07230 | 4.56862 | 0.00001 |
| 29.0000 | 34.3896 | 5.64024 | 6.62752 | 5.64024 | 0.00000 |
| 32.5000 | 34.3771 | 6.00800 | 6.80749 | 6.00800 | -0.00000 |

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

