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SENSOR SERIAL NUMBER: 0316  
CALIBRATION DATE: 03-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 3.70023624e-003  
h = -7.75274876e-004  
i = -8.92551652e-004  
j = -1.90463317e-004  
f0 = 1000.0

| BATH TEMP<br>(° C) | INSTRUMENT<br>OUTPUT (Hz) | INST TEMP<br>(° C) | RESIDUAL<br>(° C) |
|--------------------|---------------------------|--------------------|-------------------|
| 0.9999             | 3489.961                  | 1.0646             | 0.06475           |
| 4.4999             | 3765.319                  | 4.3921             | -0.10781          |
| 15.0000            | 4683.099                  | 14.9883            | -0.01175          |
| 18.5000            | 5020.618                  | 18.6071            | 0.10712           |
| 24.0000            | 5569.858                  | 24.1206            | 0.12063           |
| 29.0000            | 6064.163                  | 28.6693            | -0.33070          |
| 32.5000            | 6537.768                  | 32.6571            | 0.15713           |

f = Instrument Output (Hz)

Temperature ITS-90 (°C) =  $1/\{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

