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SENSOR SERIAL NUMBER: 0316
CALIBRATION DATE: 18-Jan-19

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

```
g =  4.43510456e-003
h =  6.58756927e-004
i =  2.72403037e-005
j =  3.40132143e-006
f0 =  1000.0
```

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3489.996	1.0000	-0.00002
4.5000	3765.342	4.5000	0.00004
15.0000	4683.199	15.0000	0.00001
18.5000	5020.869	18.4999	-0.00007
24.0000	5584.710	24.0000	0.00001
29.0000	6133.282	29.0001	0.00008
32.5000	6538.063	32.5000	-0.00005

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1/\{g + h[\ln(f0 / f)] + i[\ln^2(f0 / f)] + j[\ln^3(f0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature