Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

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

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

```
g =  4.40252177e-003
h =  6.40847403e-004
i =  2.64784058e-005
j =  3.35854965e-006
f0 =  1000.0
```

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3423.834	0.9999	-0.00007
4.5000	3701.430	4.5001	0.00013
15.0000	4630.574	14.9999	-0.00008
18.4999	4973.717	18.4998	-0.00005
24.0000	5548.082	24.0000	0.00003
29.0000	6108.394	29.0001	0.00015
32.5001	6522.697	32.5000	-0.00010

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