



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

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

SENSOR SERIAL NUMBER: 1815
CALIBRATION DATE: 31-Mar-23

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

$g = 4.17106971e-003$
 $h = 5.84872794e-004$
 $i = -9.68766929e-007$
 $j = -2.87661220e-006$
 $f0 = 1000.0$

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2452.632	0.9997	-0.00027
4.5000	2655.357	4.5005	0.00049
15.0000	3333.895	14.9997	-0.00027
18.4999	3584.772	18.4995	-0.00035
24.0000	4005.380	24.0005	0.00046
29.0000	4416.556	29.0002	0.00017
32.5000	4721.310	32.4998	-0.00022

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

