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SENSOR SERIAL NUMBER: 1756 SBE 63 OXYGEN TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 27-Mar-25 ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

TA0 = 7.059093e-04 TA2 = 8.459343e-07 TA1 = 2.495077e-04 TA3 = 9.643240e-08

BATH TEMP (° C)	INSTRUMENT OUTPUT(V)	INST TEMP (° C)	RESIDUAL (° C)
2.0001	1.11873	2.0001	0.00003
2.0001	1.11873	2.0001	0.00003
2.0001	1.11873	2.0001	0.00003
6.0000	0.99464	6.0000	0.00003
6.0000	0.99465	5.9997	-0.00031
6.0001	0.99464	6.0000	-0.00007
6.0001	0.99464	6.0000	-0.00007
12.0000	0.82893	12.0002	0.00023
12.0000	0.82893	12.0002	0.00023
12.0001	0.82893	12.0002	0.00013
12.0001	0.82893	12.0002	0.00013
20.0000	0.64542	19.9998	-0.00018
20.0000	0.64542	19.9998	-0.00018
20.0001	0.64542	19.9998	-0.00028
20.0001	0.64542	19.9998	-0.00028
25.9999	0.53349	26.0002	0.00031
25.9999	0.53349	26.0002	0.00031
26.0000	0.53349	26.0002	0.00021
26.0002	0.53349	26.0002	0.00001
29.9999	0.46971	30.0001	0.00021
30.0000	0.46971	30.0001	0.00011
30.0001	0.46972	29.9994	-0.00065
30.0001	0.46971	30.0001	0.00001

V = Instrument Output (Volts)

L = ln (100000 \* V / (3.3 - V))

Temperature ITS-90 (°C) =  $1 / (TA0 + (TA1 * L) + (TA2 * L^2) + (TA3 * L^3)) - 273.15$ 

