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SENSOR SERIAL NUMBER: 1788 SBE 63 OXYGEN TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 27-Mar-25 ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

TA0 = 6.746327e-04 TA2 = -4.745775e-08 TA1 = 2.584804e-04 TA3 = 1.256549e-07

INSTRUMENT OUTPUT(V)	INST TEMP (° C)	RESIDUAL (° C)
1.12307	2.0001	-0.00003
1.12307	2.0001	-0.00003
1.12307	2.0001	-0.00003
1.12307	2.0001	-0.00003
0.99869	6.0002	0.00018
0.99870	5.9998	-0.00015
0.99869	6.0002	0.00008
0.99869	6.0002	0.00008
0.83251	12.0004	0.00039
0.83252	12.0000	-0.00000
0.83252	12.0000	-0.00010
0.83252	12.0000	-0.00010
0.64837	19.9998	-0.00018
0.64837	19.9998	-0.00018
0.64837	19.9998	-0.00028
0.64837	19.9998	-0.00028
0.53600	26.0003	0.00040
0.53600	26.0003	0.00040
0.53600	26.0003	0.00030
0.53600	26.0003	0.00010
0.47196	29.9999	-0.00001
0.47196	29.9999	-0.00011
0.47196	29.9999	-0.00021
0.47196	29.9999	-0.00021
	OUTPUT(V)  1.12307 1.12307 1.12307 1.12307 1.12307 1.12307 0.99869 0.99869 0.99869 0.99869 0.83251 0.83252 0.83252 0.83252 0.64837 0.64837 0.64837 0.64837 0.64837 0.53600 0.53600 0.53600 0.53600 0.47196 0.47196	OUTPUT(V)  1.12307 2.0001 1.12307 2.0001 1.12307 2.0001 1.12307 2.0001 1.12307 2.0001 0.99869 6.0002 0.99870 0.99869 6.0002 0.99869 6.0002 0.83251 12.0004 0.83252 12.0000 0.83252 12.0000 0.83252 12.0000 0.83252 12.0000 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.64837 19.9998 0.53600 0.63600 0.53600 0.53600 0.53600 0.53600 0.53600 0.53600 0.53600 0.53600 0.647196 0.99999 0.47196 0.99999

V = Instrument Output (Volts)

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

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

