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SENSOR SERIAL NUMBER: 1889 SBE 63 OXYGEN TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 25-Mar-25 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

TA0 = 6.858299e-04 TA2 = 2.373890e-07 TA1 = 2.554355e-04 TA3 = 1.159463e-07

INSTRUMENT OUTPUT(V)	INST TEMP (° C)	RESIDUAL (° C)
1.12481	2.0000	0.00014
1.12480	2.0004	0.00035
1.12482	1.9997	-0.00036
1.12481	2.0000	-0.00016
1.00022	6.0001	0.00009
1.00021	6.0004	0.00032
1.00022	6.0001	-0.00011
1.00022	6.0001	-0.00031
0.83375	11.9999	0.00015
0.83375	11.9999	0.00015
0.83375	11.9999	-0.00025
0.83374	12.0003	0.00014
0.64926	19.9996	-0.00018
0.64926	19.9996	-0.00038
0.64925	20.0001	0.00010
0.64925	20.0001	0.00000
0.53668	26.0000	0.00004
0.53668	26.0000	0.00004
0.53668	26.0000	-0.00006
0.53667	26.0006	0.00052
0.47253	29.9990	-0.00056
0.47251	30.0004	0.00047
0.47252	29.9997	-0.00020
0.47251	30.0004	0.00007
	OUTPUT(V) 1.12481 1.12480 1.12482 1.12481 1.00022 1.00021 1.00022 1.00022 0.83375 0.83375 0.83375 0.83375 0.83374 0.64926 0.64926 0.64925 0.64925 0.53668 0.53668 0.53668 0.53667 0.47253 0.47251 0.47252	OUTPUT(V) 1.12481 2.0000 1.12480 2.0004 1.12482 1.9997 1.12481 2.0000 1.00022 6.0001 1.00021 6.0004 1.00022 6.0001 1.00022 6.0001 1.00022 6.0001 1.9999 0.83375 11.9999 0.83375 11.9999 0.83375 11.9999 0.83375 11.9999 0.83374 12.0003 0.64926 19.9996 0.64925 20.0001 0.64925 20.0001 0.64925 20.0001 0.53668 26.0000 0.53668 26.0000 0.53668 26.0000 0.53667 26.0006 0.53667 26.0006 0.53667 26.0006 0.53667 29.9997

V = Instrument Output (Volts)

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

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

