

Temperature Calibration Report

STS/ODF Calibration Facility

SENSOR SERIAL NUMBER: 4060
 CALIBRATION DATE: 07-Dec-2016
 Mfg: SEABIRD Model: 03
 Previous cal: 06-Apr-16
 Calibration Tech: CAL

ITS-90_COEFFICIENTS	IPTS-68_COEFFICIENTS ITS-T90	
g = 4.36361275E-3	a = 4.36381312E-3	
h = 6.38583027E-4	b = 6.38793333E-4	
i = 2.15986370E-5	c = 2.16306451E-5	
j = 1.66439010E-6	d = 1.66584734E-6	
f0 = 1000.0	Slope = 1.0	Offset = 0.0

Calibration Standard: Mfg: Isotech Model: MicroK100 s/n: 291088-2

Temperature ITS-90 = $1/[g+h[\ln(f_0/f)]+i[\ln^2(f_0/f)]+j[\ln^3(f_0/f)]] - 273.15$ (°C)

Temperature IPTS-68 = $1/[a+b[\ln(f_0/f)]+c[\ln^2(f_0/f)]+d[\ln^3(f_0/f)]] - 273.15$ (°C)

T68 = 1.00024 * T90 (-2 to -35 Deg C)

SBE3 Freq	SPRT ITS-T90	SBE3 ITS-T90	SPRT-SBE3 OLD Coefs	SPRT-SBE3 NEW Coefs
3029.8589	-1.4113	-1.4114	0.00014	0.00004
3205.6252	1.0930	1.0930	0.00001	-0.00004
3463.9956	4.5991	4.5992	-0.00005	-0.00006
3737.1929	8.1067	8.1066	0.00004	0.00002
4025.6631	11.6156	11.6155	0.00015	0.00011
4328.9966	15.1163	15.1163	0.00000	-0.00006
4649.2993	18.6286	18.6285	0.00014	0.00005
4985.4746	22.1353	22.1354	0.00003	-0.00008
5338.8392	25.6466	25.6467	0.00004	-0.00006
5708.9801	29.1547	29.1546	0.00020	0.00014
6096.9950	32.6661	32.6661	-0.00008	-0.00005

