

Temperature Calibration Report

STS/ODF Calibration Facility

SENSOR SERIAL NUMBER: 4061
 CALIBRATION DATE: 06-Apr-2016
 Mfg: SEABIRD Model: 03
 Previous cal: 21-Jul-15
 Calibration Tech: CAL

ITS-90_COEFFICIENTS	IPTS-68_COEFFICIENTS ITS-T90	
g = 4.28636011E-3	a = 4.28653537E-3	
h = 6.38698717E-4	b = 6.38902921E-4	
i = 2.18922102E-5	c = 2.19242987E-5	
j = 1.80155673E-6	d = 1.80308053E-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
2663.3805	-1.4115	-1.4114	-0.00048	-0.00002
2816.7583	1.0924	1.0924	-0.00021	0.00002
3042.1766	4.5986	4.5986	-0.00005	0.00001
3280.4071	8.1058	8.1058	-0.00004	-0.00004
3531.8506	11.6146	11.6145	0.00003	0.00004
3796.1423	15.1153	15.1153	-0.00004	0.00002
4075.0050	18.6263	18.6263	-0.00014	-0.00004
4367.7928	22.1347	22.1347	-0.00010	0.00000
4675.2189	25.6450	25.6451	-0.00018	-0.00016
4997.1735	29.1532	29.1529	0.00043	0.00025
5334.4984	32.6638	32.6639	0.00042	-0.00010

