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SENSOR SERIAL NUMBER: 0041
CALIBRATION DATE: 24-Sep-13

SBE GLIDER PAYLOAD CTD
PRESSURE CALIBRATION DATA
44 psia S/N 3220332

COEFFICIENTS:

PA0 =	−2.709130e−002		PTCA0 =	5.259723e+005
PA1 =	1.500885e−004		PTCA1 =	5.476260e+000
PA2 =	−2.701499e−012		PTCA2 =	−6.471577e−001
PTEMPA0 =	−7.597402e+001		PTCB0 =	2.504225e+001
PTEMPA1 =	4.890198e−002		PTCB1 =	−5.500000e−004
PTEMPA2 =	−2.994352e−007		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FSR
14.57	623133.0	2020.0	14.56	−0.00
24.58	690100.0	2021.0	24.57	−0.01
29.58	723662.0	2021.0	29.58	−0.01
34.59	757305.0	2023.0	34.59	0.00
39.60	790961.0	2024.0	39.60	−0.00
44.61	824661.0	2024.0	44.61	0.00
39.60	790959.0	2025.0	39.60	−0.00
34.59	757308.0	2027.0	34.59	0.00
29.59	723713.0	2028.0	29.59	0.01
24.58	690142.0	2027.0	24.58	0.01
14.56	623128.0	2030.0	14.57	0.00

THERMAL CORRECTION

TEMP ITS90	THERMISTOR OUTPUT	INST OUTPUT
32.50	2249	628970.80
29.00	2176	629049.80
24.00	2071	629210.20
18.50	1955	629339.00
15.00	1882	629414.60
4.50	1663	629455.60
1.00	1589	629469.10

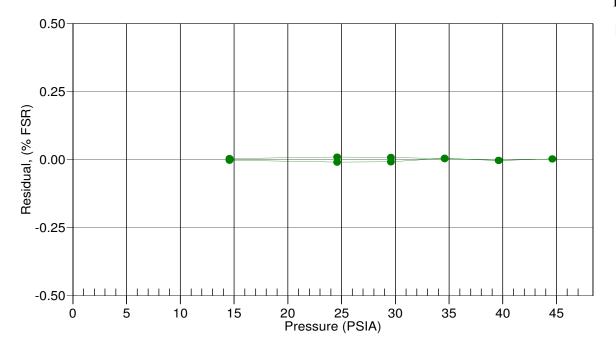| TEMP(ITS90)	SPAN(mV)
−5.00	25.05
35.00	25.02

y = thermistor output; t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2

x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)

pressure (psia) = PA0 + PA1 * n + PA2 * n^2

Date, Avg Delta P %FS

● 24-Sep-13 -0.00