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SENSOR SERIAL NUMBER: 1636
CALIBRATION DATE: 11-Feb-14

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5635

COEFFICIENTS:

PA0 =	−1.208237e-002	PTCA0 =	−2.688738e+001
PA1 =	2.405815e-002	PTCA1 =	1.734437e-001
PA2 =	1.567704e-009	PTCA2 =	−8.956305e-003
PTHA0 =	−8.793930e+001	PTCB0 =	2.496113e+001
PTHA1 =	4.598071e-002	PTCB1 =	−1.575000e-003
PTHA2 =	−3.697736e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS
14.67	582.4	2437.0	14.68	0.00
104.93	4326.5	2438.0	104.91	−0.00
204.94	8474.8	2439.0	204.93	−0.00
304.96	12620.5	2439.0	304.95	−0.00
404.96	16763.6	2439.0	404.95	−0.00
504.97	20904.3	2439.0	504.96	−0.00
404.97	16765.1	2439.0	404.99	0.00
304.97	12622.0	2439.0	304.98	0.00
204.97	8476.2	2438.0	204.97	0.00
104.96	4328.7	2439.0	104.96	−0.00
14.67	582.4	2440.0	14.68	0.00

THERMAL CORRECTION

TEMP ITS90	PRESS TEMP	INST OUTPUT
−1.50	1909.10	595.10
1.00	1965.50	595.18
4.50	2044.10	595.64
8.00	2122.60	596.14
11.50	2201.60	595.87
15.00	2280.50	595.90
18.50	2359.60	595.38
22.00	2438.90	594.71
25.50	2518.20	593.78
29.00	2597.50	592.57
32.50	2676.90	591.42

TEMP(ITS90)	SPAN(mV)
−5.00	24.97
35.00	24.91

y = thermistor output; $t = PTHA0 + PTHA1 * y + PTHA2 * y^2$

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
● 11-Feb-14   -0.00