

300036

BALLASTING

FLOAT: 6216

DATE: 4/17/2012

TEMP: 22.2 C

Regression Output:

Constant -17.61881995

R Squared 0.999452234

No. of Observations 11

X Coefficient(s) 0.02387479

TARGET DEPTH: 500 db

IN SITU PTANK: 0.999990 g/cm3

INITIAL CHAIN: 0 inches

AIR WT. INST: 29700 grams

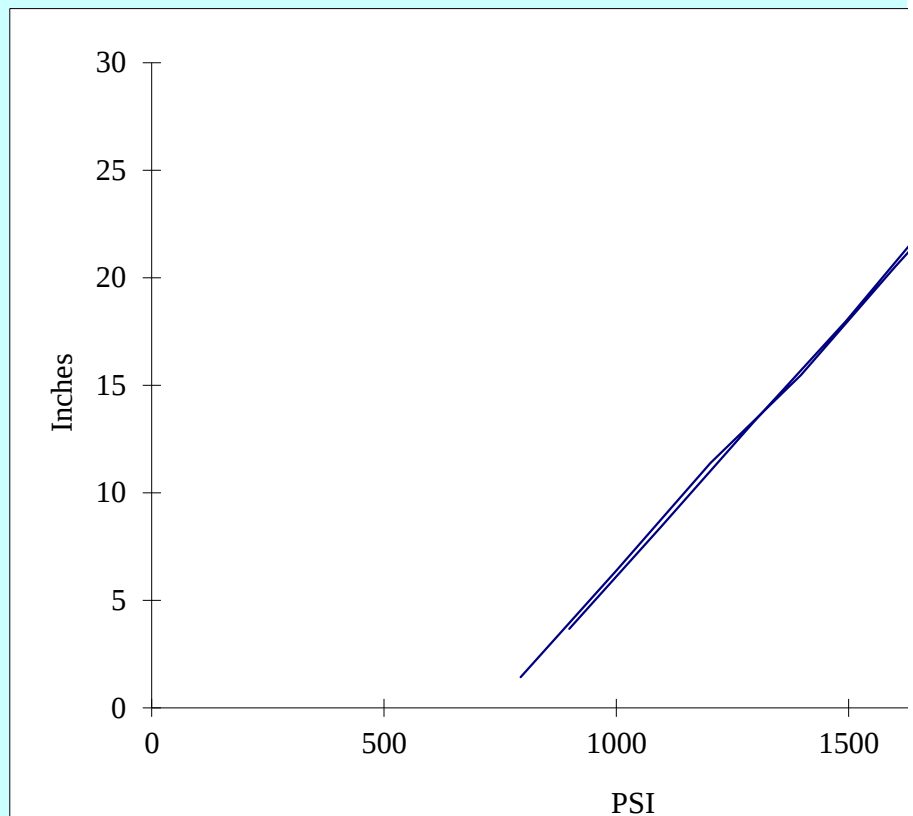
EXTERNAL WT: 297 grams

BALLAST WT: 1146.3 grams

Number of 13.5g external washers

22

PSI	Inches	# Obs.
794.002	1.431	1
1000.848	6.395	2
1202.784	11.388	3
1397.617	15.476	4
1599.575	20.498	5
1794.295	25.141	6
1697.023	23.214	7
1494.892	17.987	8
1295.421	13.286	9
1095.878	8.41	10
898.451	3.679	11
		12



2 CHAINS stainless steel
@ (.91g/in WET) EACH
target

32.5 grams

MISSION PARAMETERS:

LOCATION: 36.8

CYCLE: 1 days

DEPTH: 500 db

TRANSMISSION: 11 hrs

TEMPERATURE: 2.813 C

PTT ID: 89881695140006 881693781833

SALINITY: 34.574 pss

IN SITU DENSITY: 1.029894286 g/cm3

Water density calculation in hidden rows 45-65 below.

R Squared = measurement of validity of the model, 0..1 1 being the optimal
 Degrees of Freedom = (number of observations) - (number of independent

X Coefficient = coefficients of the independent x variables in the model (m)
 Std Err of Coef. = error estimate of the coefficients

Where $y = mx + b$

$y = (\text{X Coefficient})x + \text{Constant}$

(grams)

Wt. of instrument (grams) 29700.0

PSI pss temp C

Nb wt @ 0 0 22.2
 target 32.5
 washers external 259.9
 chain initialize -32.8

Nb wt @ 725 0 22.2 32.2

Subtotal 29991.8

Temp. adj. 2.813 -42.4
 coef. aluminum 7.08E-05

2000

Density adj. 34.574 896.9

Final 725 34.574 2.813 1146.3

Total Instrument wt. 30846.3

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for a linear curve
t x variables) + 1

)

From log book

Wet wt.

Dry wt. * .875

(Const-init)*2chains*.93g/in

Slope*targPSI*2chains*.93g/in

Subtot wt*alum coef*

(targtemp-tanktemp)*targdens

Subtot wt*

(targdens/tankdens-1)

rev 02-09-05