

Orifice Meter CM3215 Fall 2013

Station	Names	Q (gpm) versus I(mA)	Time/ Section
1	Sacquelina Horras Cameron Hempel	$Q_{gpm} = .1233I + .2397$	9A
2	Zane Klussing Jenna Stove	$Y = 0.9994X + 0.1595$	9A
3	michael Grillo Dylan Koons	$Q = -.0015(I)^2 + .1456(I) + .1729$	9A
4	Tyler Jensen Jonathan Jafraite	$Q = 1.9432(I)^2 + 2.7824(I) + 1.6643$	9A
5	Thomas Westman Evan Muhala		9A
6	Jonathan Wenzel Benjamin Veehstra	$Q = -0.0402(DP)^2 + 0.6471(DP) + 0.7588$	9A
7	Eric Pearson Alex Powell	$Q = 0.5095(Psi) - 0.0457$	9A
8	Madison Mehlhose James Kenney	$Q = -.0081(I)^2 + 0.321(I) - 0.919$	9A
9	David Hutchison	$Q = -0.0028I^2 + 0.1724I - 0.1643$	9A
10			9A

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Station	Names	Q (gpm) versus Δp (psi)	Time/ Section
1	Robert LeBoeuf Brittany Frost	$-0.037\Delta P^2 + 0.62\Delta P + 0.63 = Q$	9B
2	Mike Scathowski Sean LeRolland-Wagner	$Q = -0.0267(\Delta P)^2 + 0.5848(\Delta P) + 0.5701$	9B
3	Ryan Patrick Erik Leslie	$Q = .4009 P + .9402$	9B
4	Zack Peterson John Keefe	$Q = .0283 P + 1.572P + 1.813$	9B
5	Kustin V	$Q = -0.0196 P^2 + .4473 P + .835$	9B
6	Nathan LaBarge Megan Williams	$Q = -0.0869 (\text{psi})^2 + 0.7855 (\text{psi}) + 0.7184$	9B
7	Nolan Seelye Joshi Shumaker	$Q = 0.3851 (\text{psi}) + 1.0176$	9B
8	Melissa Venkamen Joseph Smith	$Q = -0.028(\Delta P)^2 + .577(\Delta P) + .8158$	9B
9	Noelle Savage Tyler Blowers	$Q = 0.4304 \Delta p - 0.8246$	9B
10	Dylana Friesing Adam Curley	$Q = 0.467 \Delta P + 0.556$	9B

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Station	Names	Q (gpm) versus Δp (psi)	Time/ Section
1			1A
2	Thyle Branne Tyler Middlebrook	$.41793 \Delta p^2 + .65288 \Delta p - .4436$	1A
3	Rachel Kelenge Julie Laford	$Y = 0.4641x + 0.7869$	1A
4	Cassandra Robert	$Q(\text{gpm}) = -0.0277(\text{psi})^2 + .5767(\text{psi}) + 1.1019$	1A
5	Tell Kruse Colin Hekkie	$Q(\text{gpm}) = .2701(\Delta P) + 1.0908$	1A
6	Nathan Ganks Peter Gardner	$Q(\text{gpm}) = -0.0122 \Delta p^2 + 0.4255 \Delta P + 0.9449$	1A
7	Casey Beirne Zachary Demro	$Q = -.4967(\Delta P)^2 + 2.8309 \Delta P + 0.7171$	1A
8	Julie Tomasi Drew Payton	$Q = 0.5192 \Delta P + 0.77$	1A
9	William Goeman Andrew Payton	$0.233(\text{psi})^2 + 0.5793(\text{psi}) + 0.972$	1A
10	Elizabeth Vaught Lindsay Thiel	$Q(\text{gpm}) = -.0239 \Delta P^2 + .4968 \Delta P + .6804$	1A

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Station	Names	Q (gpm) versus Δp(psi)	Time/ Section
1			1B
2	Michael Pavett Daniel LaForest	$y = -0.0034x^2 + 0.1937x - 1272$	1B
3	Eliot Nagler Nathan Lajoie	$Q = -0.038(\text{psi})^2 + 0.66(\text{psi}) + 0.589$	1B
4	Elizabeth Walters LUKE Zoromski	$Q(\text{gpm}) = 0.0284(\text{psi})^2 + 0.544(\text{psi}) + 0.8552$	1B
5	Ben Clossner Victor Clarembux	$Q(\text{gpm}) = -0.0252(\text{psi})^2 + 0.5145(\text{psi}) + 0.7273$	1B
6	Christine Schärphorn Justin Levaude	$Q = 0.0834 * (\text{mA}) + 0.6046$	1B
7	Michael D'Angeto Rebecca Villerot	$Q = 0.063 P$	1B
8	Ryan McInnis Olivia Munoz	$Q = 0.4006(\text{psi}) + 0.8$	1B
9	Aaron Steeg Hannah Schraek	$Q = 0.0182(\text{psi})^2 + 0.4732(\text{psi}) + 0.7814$	1B
10	Ryan Cow Kyle Tuttle	$Q = 0.467(\text{psi})^2 + 0.556$	1B

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Station	Names	Q (gpm) versus Δp(psi)	Time/ Section
1			3A
2	Courtney Castelic	$Q = -0.0293x^2 + 0.5632x + 0.8286$ $x = \Delta P (\text{psi})$	3A
3			3A
4	Christian Dale Shannon Ennis	$Q(\text{gpm}) = -0.0288(\text{psi})^2 + 0.5896(\text{psi}) + 0.7526$	3A
5			3A
6	Alex Andrew Goreetke	$Q(\text{gpm}) = -0.0357(\text{psi})^2 + 0.6455(\text{psi}) + 0.7076$	3A
7			3A
8	Jesse Johnson Henri Falck	$Q(\text{gpm}) = -0.0573(\text{psi})^2 + 0.8047(\text{psi}) + 0.4638$	3A
9			3A
10	Matt Coel Pang	$Q(\text{gpm}) = -0.0447(\text{psi})^2 + 0.5805(\text{psi}) + 0.4783$	3A