

# DENSITY - Version 4.1

## Racing Systems Analysis - www.QUARTERjr.com

<b>DENSITY</b>	<b>Fri T1</b>	<b>Sat D4\$</b>	<b>Sat E1</b>	<b>Sat E2</b>
Barometer - in Hg	28.62	28.60	28.67	28.58
Dry Bulb - deg F	86.9	84.2	86.9	87.8
Wet Bulb - deg F	75.5	73.8	74.5	74.3
Relative Humidity - %	60.0	62.0	57.0	54.0
Dew Point - deg F	71.4	69.8	69.9	69.1
Vapor Pressure - in Hg	0.774	0.733	0.735	0.717

### Base Run

Density Altitude - feet	4128	3938	4022	4162
Air Density Index - %	88.5	89.0	88.8	88.4
HP Correction Factor	1.137	1.132	1.132	1.137

### Actual Run Data

Fuel Temperature - deg F	86.9	84.2	86.9
Holley Jet Number	82.0	82.0	82.0
Elapsed Time - sec	5.177	5.166	5.177
Top Speed - MPH	132.35	132.93	132.46
Vehicle Weight	2210	2210	2210

### Predicted Run Data

Fuel Temperature - deg F	86.9	86.9	87.8
Holley Jet Number	82.0	82.0	82.0
Elapsed Time - sec	5.177	5.168	5.176
Top Speed - MPH	132.68	132.87	132.70
Vehicle Weight	2210	2210	2210

No Re-jet Option:

<b>RUN DATA ANALYSIS</b>	<b>Base Value</b>	<b>Change</b>	<b>ET Effect</b>	<b>MPH Effect</b>
Barometer - in Hg	29.92	-0.10	0.007	-0.18
Dry Bulb - deg F	60.0	10.0	0.023	-0.58
Relative Humidity - %	0.0	10.0	0.005	-0.12
HP Correction Factor	1.000	0.010	0.018	-0.45
Vehicle Weight	2150	20	0.015	-0.40

### PREFERENCES

Drag Racing - 1/8th mile w/o Throttle Stop  
 Carburetors, Gasoline and Naturally Aspirated fuel system with:  
 Power Valve Base 0.060 Jet Diameter - in  
 Idle Jet Base 0.010 Jet Diameter - in