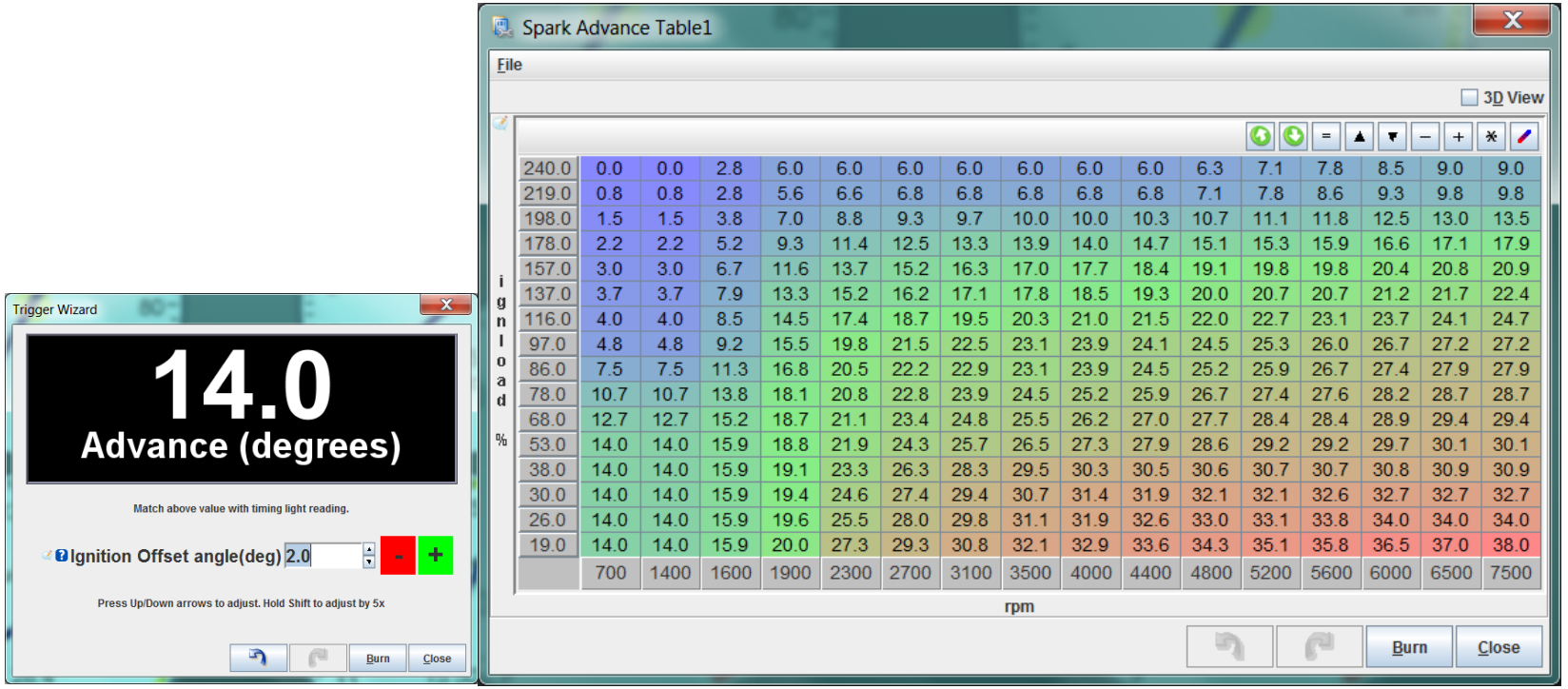
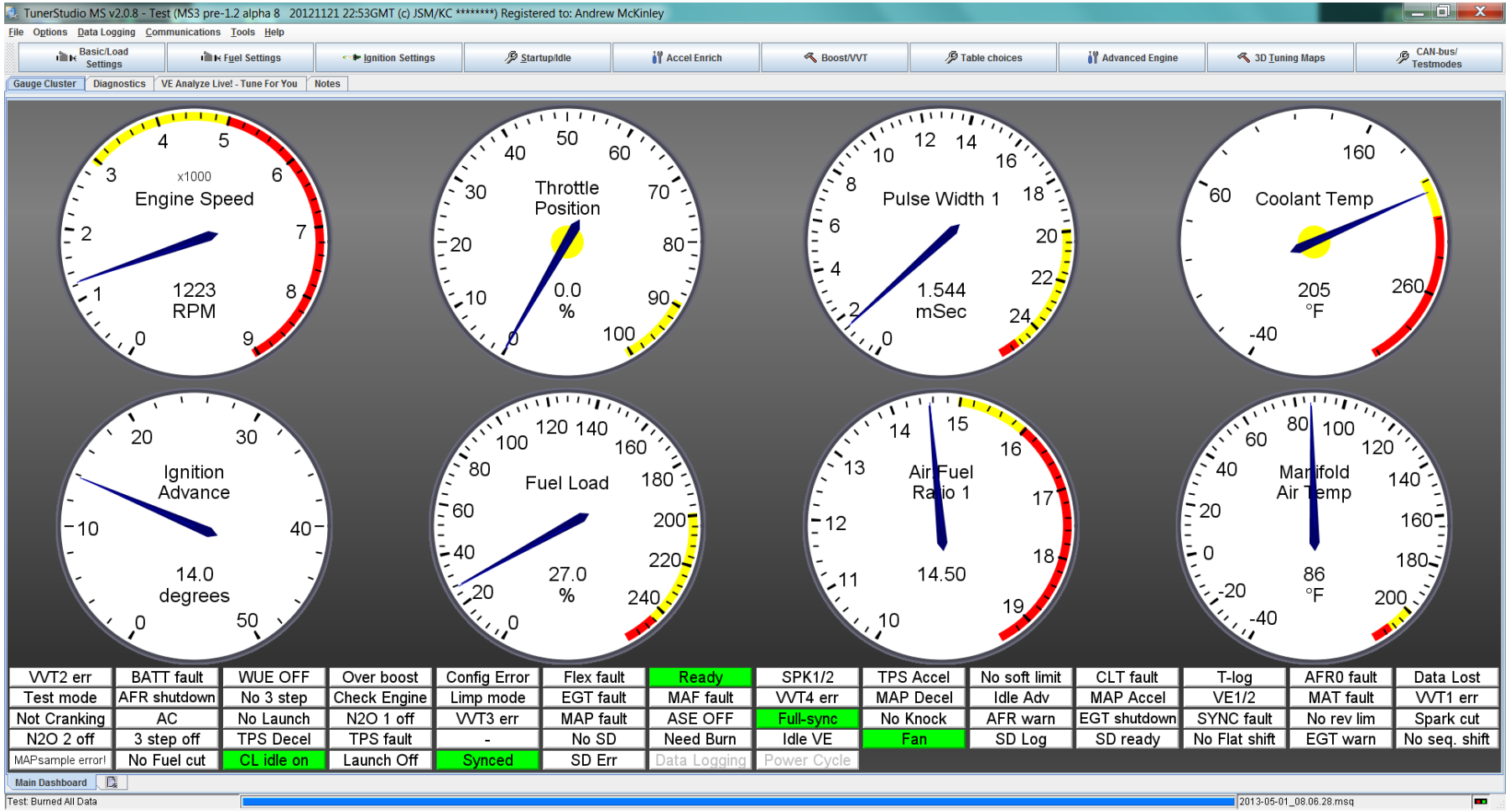
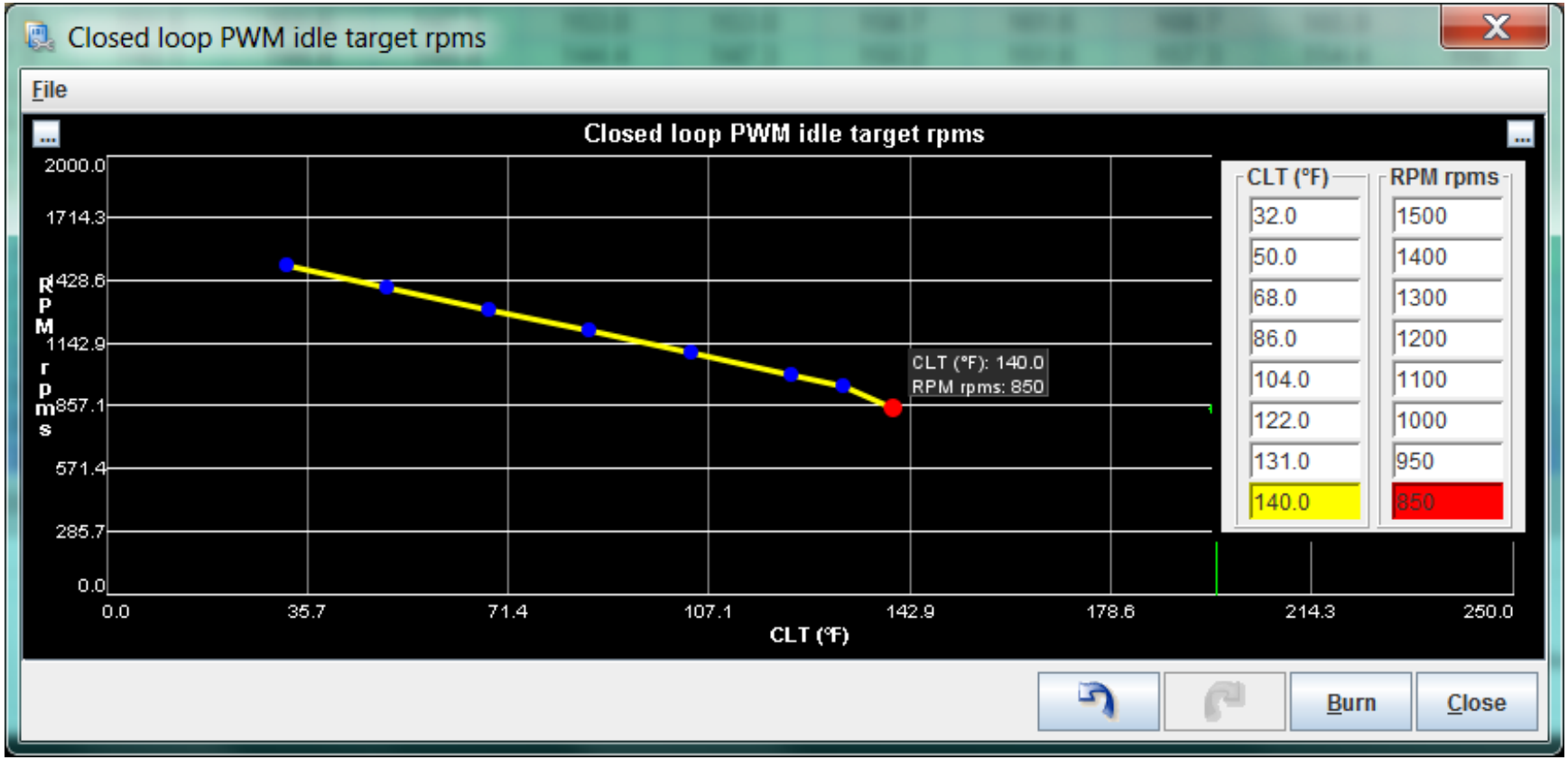
Is this the standard idle timing for the MSM? I used the trigger wizard to match the timing mark to 14

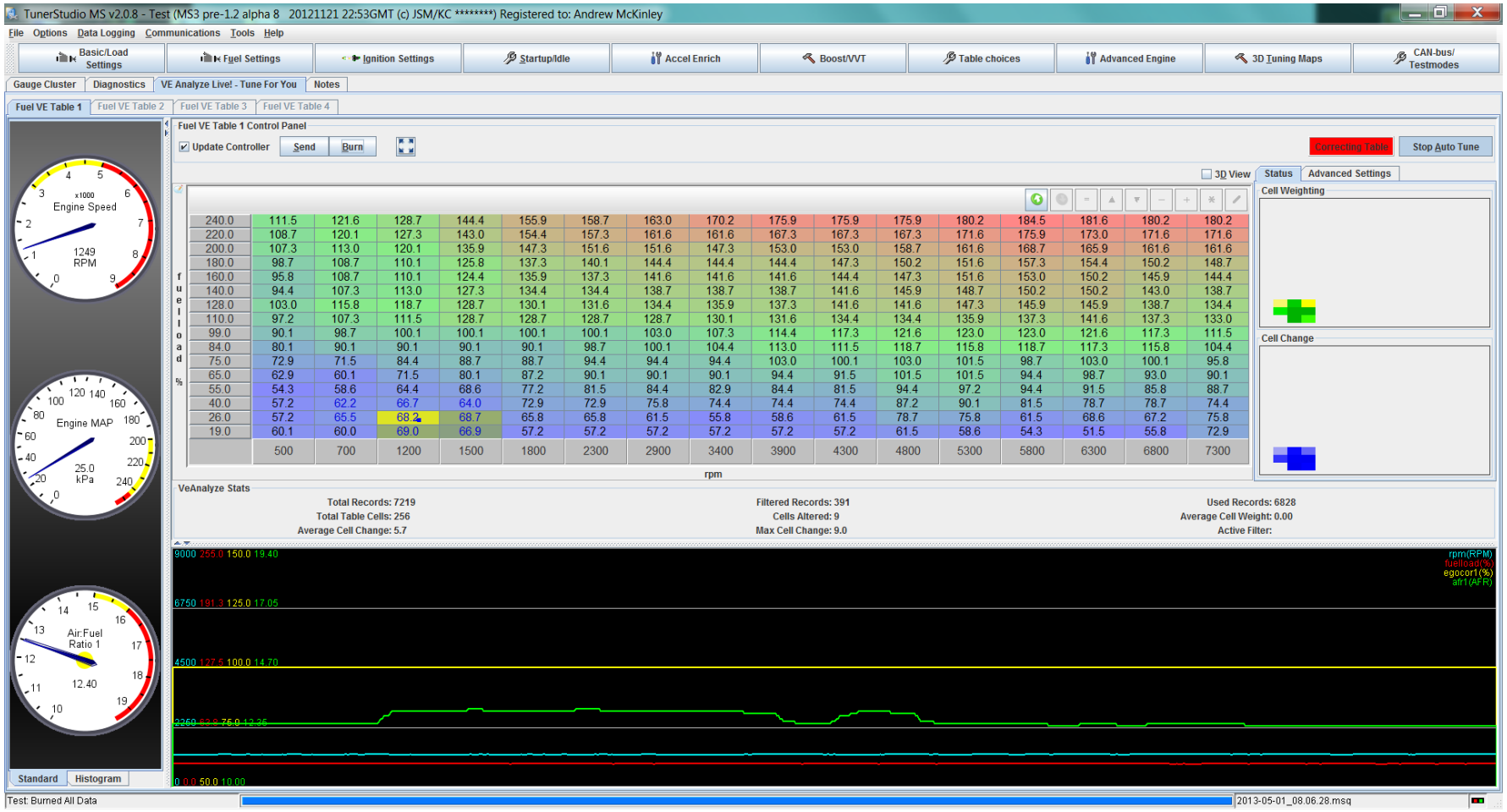


This is warmed up. RPM is at 1200. AFR 14.5

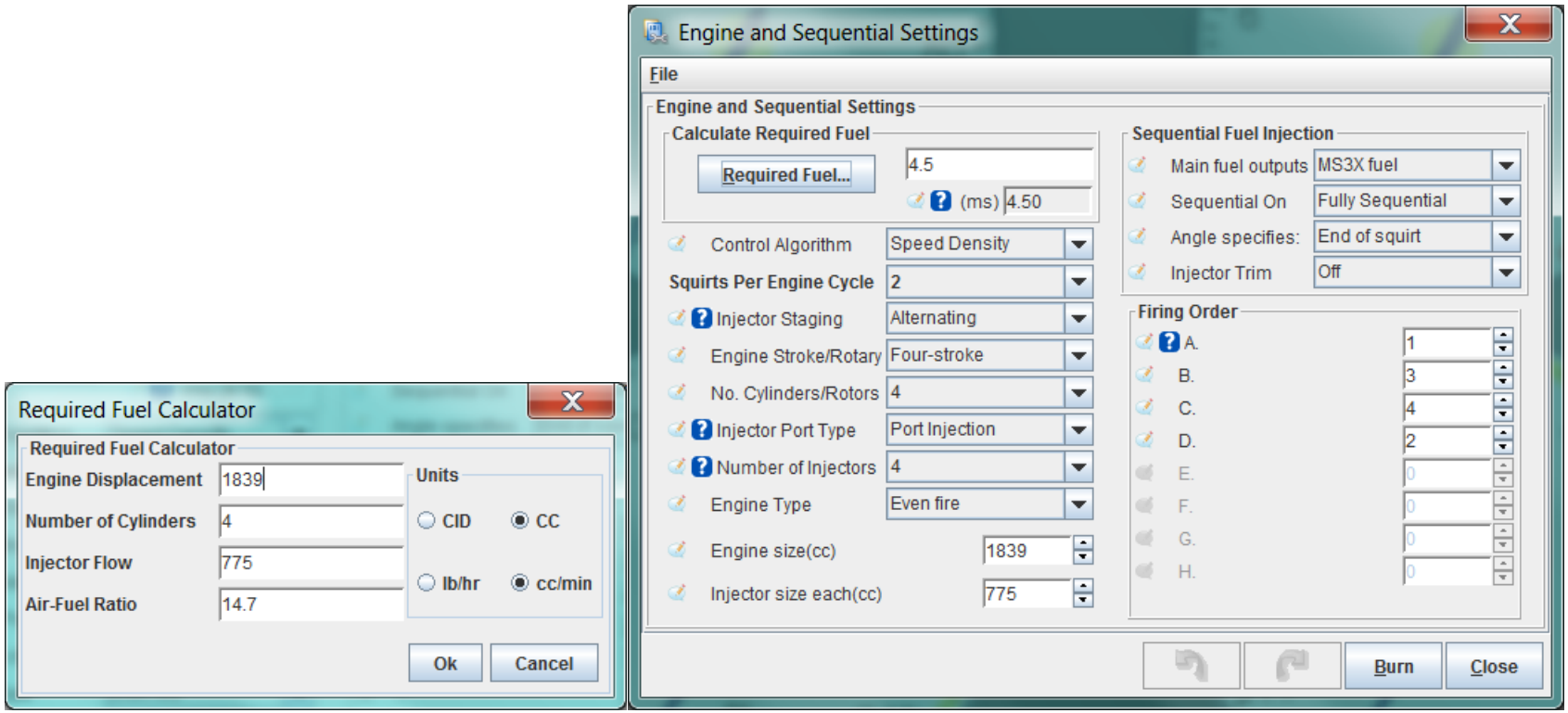


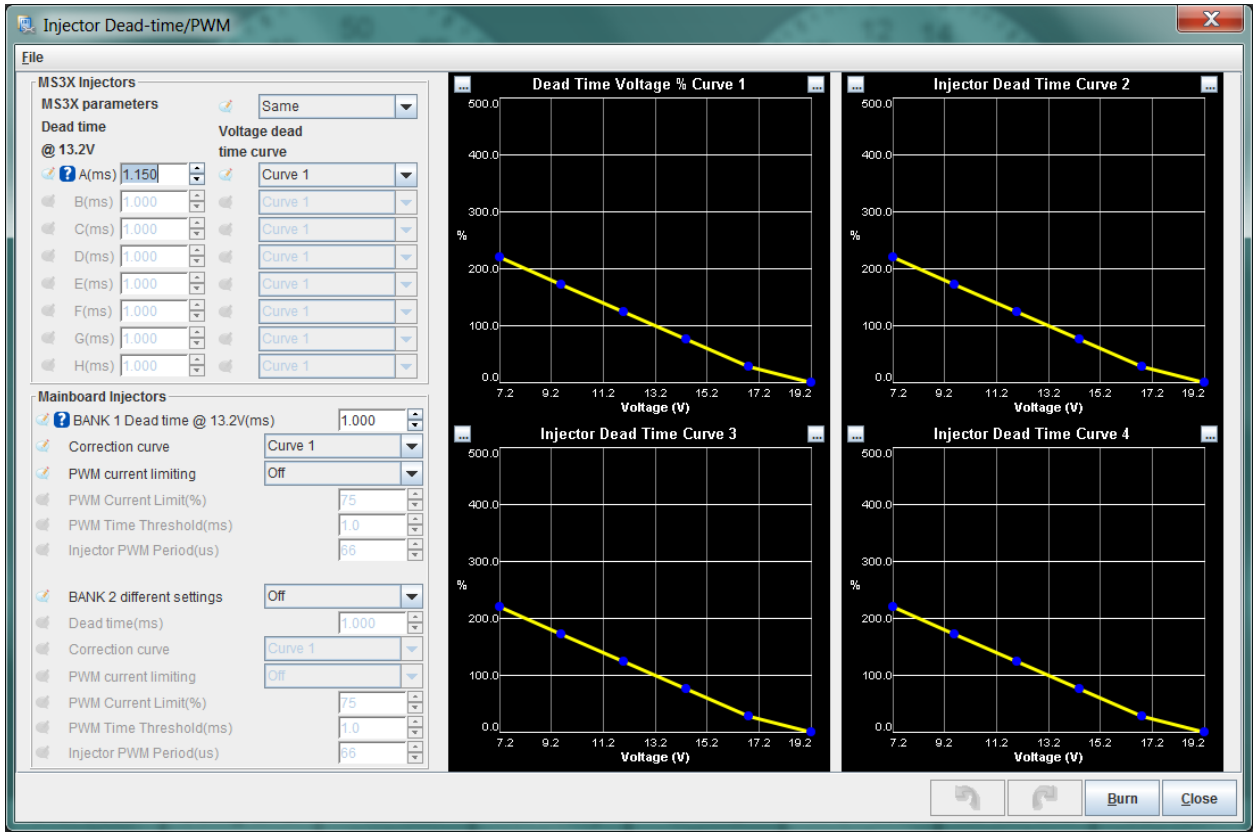
Closed loop settings look correct to me.

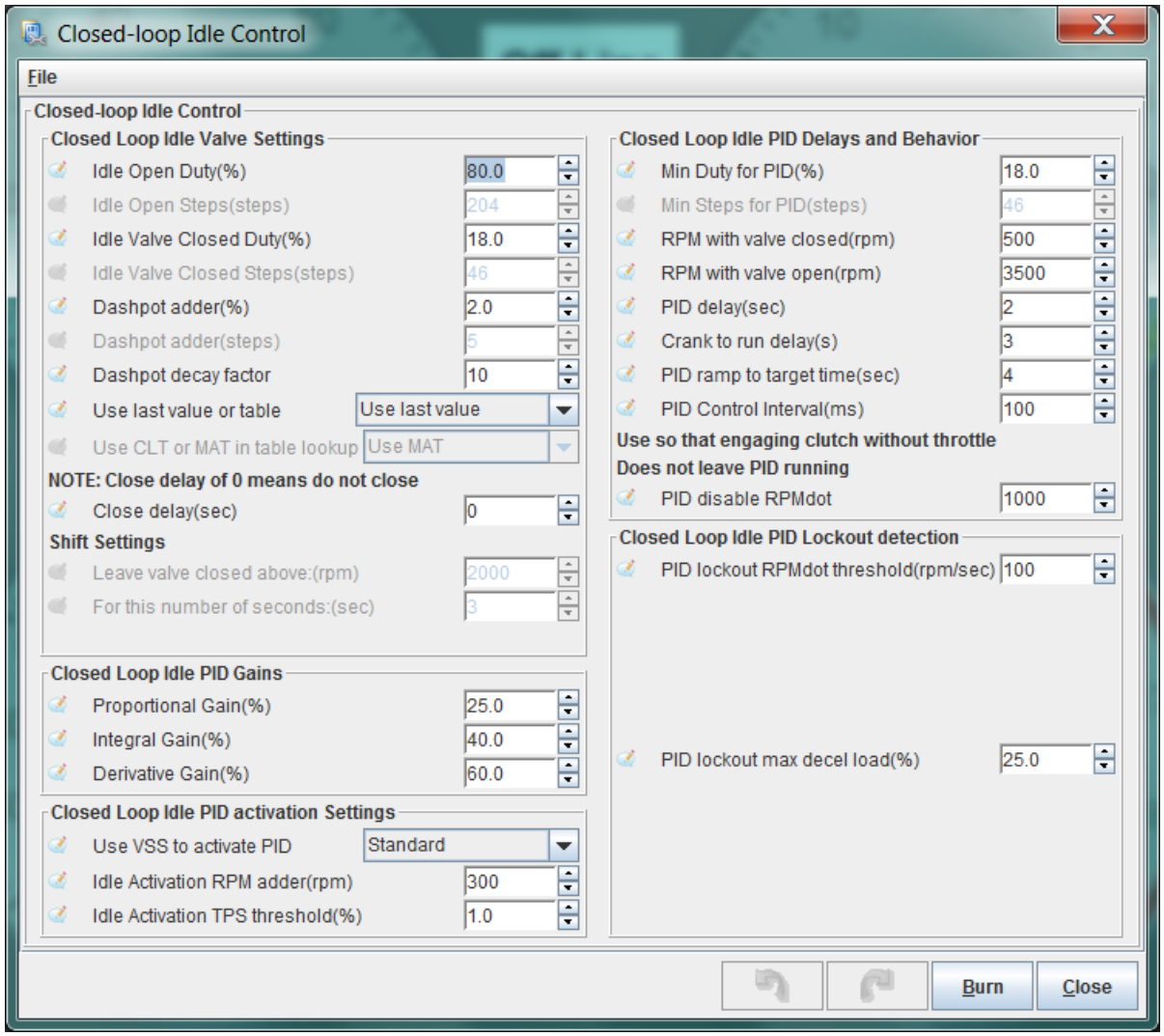



TunerStudio MS v2.0.8 - Test (MS3 pre-1.2 alpha 8 20121121 22:53GMT (c) JSM/KC ********) Registered to: Andrew McKinley
File Options Data Logging Communications Tools Help
Basic/Load Settings
Fuel Settings
Ignition Settings
Startup/Idle
Accel Enrich
Boost/VVT
Table choices
Advanced Engine
3D Tuning Maps
CAN-bus/ Testmodes
Gauge Cluster
Diagnostics
VE Analyze Live! - Tune For You
Notes
Fuel VE Table 1
Fuel VE Table 2
Fuel VE Table 3
Fuel VE Table 4
Engine Speed
1249 RPM
Engine MAP
25.0 kPa
Air:Fuel Ratio 1
12.40
Standard
Histogram
Fuel VE Table 1 Control Panel
Update Controller
Send
Burn
Correcting Table
Stop Auto Tune
3D View
Status
Advanced Settings
Cell Weighting
Cell Change
fuelload %
240.0 111.5 121.6 128.7 144.4 155.9 158.7 163.0 170.2 175.9 175.9 175.9 180.2 184.5 181.6 180.2 180.2
220.0 108.7 120.1 127.3 143.0 154.4 157.3 161.6 161.6 167.3 167.3 167.3 171.6 175.9 173.0 171.6 171.6
200.0 107.3 113.0 120.1 135.9 147.3 151.6 151.6 147.3 153.0 153.0 158.7 161.6 168.7 165.9 161.6 161.6
180.0 98.7 108.7 110.1 125.8 137.3 140.1 144.4 144.4 144.4 147.3 150.2 151.6 157.3 154.4 150.2 148.7
160.0 95.8 108.7 110.1 124.4 135.9 137.3 141.6 141.6 141.6 144.4 147.3 151.6 153.0 150.2 145.9 144.4
140.0 94.4 107.3 113.0 127.3 134.4 134.4 138.7 138.7 138.7 141.6 145.9 148.7 150.2 150.2 143.0 138.7
128.0 103.0 115.8 118.7 128.7 130.1 131.6 134.4 135.9 137.3 141.6 141.6 147.3 145.9 145.9 138.7 134.4
110.0 97.2 107.3 111.5 128.7 128.7 128.7 128.7 130.1 131.6 134.4 134.4 135.9 137.3 141.6 137.3 133.0
99.0 90.1 98.7 100.1 100.1 100.1 100.1 103.0 107.3 114.4 117.3 121.6 123.0 123.0 121.6 117.3 111.5
84.0 80.1 90.1 90.1 90.1 90.1 98.7 100.1 104.4 113.0 111.5 118.7 115.8 118.7 117.3 115.8 104.4
75.0 72.9 71.5 84.4 88.7 88.7 94.4 94.4 94.4 103.0 100.1 103.0 101.5 98.7 103.0 100.1 95.8
65.0 62.9 60.1 71.5 80.1 87.2 90.1 90.1 90.1 94.4 91.5 101.5 101.5 94.4 98.7 93.0 90.1
55.0 54.3 58.6 64.4 68.6 77.2 81.5 84.4 82.9 84.4 81.5 94.4 97.2 94.4 91.5 85.8 88.7
40.0 57.2 62.2 66.7 64.0 72.9 72.9 75.8 74.4 74.4 74.4 87.2 90.1 81.5 78.7 78.7 74.4
26.0 57.2 65.5 68.2 68.7 65.8 65.8 61.5 55.8 58.6 61.5 78.7 75.8 61.5 68.6 67.2 75.8
19.0 60.1 60.0 69.0 66.9 57.2 57.2 57.2 57.2 57.2 57.2 61.5 58.6 54.3 51.5 55.8 72.9
500 700 1200 1500 1800 2300 2900 3400 3900 4300 4800 5300 5800 6300 6800 7300
rpm
VeAnalyze Stats
Total Records: 7219
Total Table Cells: 256
Average Cell Change: 5.7
Filtered Records: 391
Cells Altered: 9
Max Cell Change: 9.0
Used Records: 6828
Average Cell Weight: 0.00
Active Filter:
rpm(RPM)
fuelload(%)
egocor1(%)
afr1(AFR)
Test: Burned All Data
2013-05-01_08.06.28.msq

Injector settings




Injector Dead-time/PWM
File
MS3X Injectors
MS3X parameters
Same
Dead time
@ 13.2V
Voltage dead
time curve
A(ms) 1.150
Curve 1
B(ms) 1.000
C(ms) 1.000
D(ms) 1.000
E(ms) 1.000
F(ms) 1.000
G(ms) 1.000
H(ms) 1.000
Mainboard Injectors
BANK 1 Dead time @ 13.2V(ms) 1.000
Correction curve
Curve 1
PWM current limiting
Off
PWM Current Limit(%) 75
PWM Time Threshold(ms) 1.0
Injector PWM Period(us) 66
BANK 2 different settings
Dead time(ms) 1.000
Correction curve
PWM current limiting
PWM Current Limit(%) 75
PWM Time Threshold(ms) 1.0
Injector PWM Period(us) 66
Dead Time Voltage % Curve 1
Injector Dead Time Curve 2
Injector Dead Time Curve 3
Injector Dead Time Curve 4
500.0
400.0
300.0
200.0
100.0
0.0
%
7.2 9.2 11.2 13.2 15.2 17.2 19.2
Voltage (V)
Burn
Close


Closed-loop Idle Control
File
Closed-loop Idle Control
Closed Loop Idle Valve Settings
Idle Open Duty(%) 80.0
Idle Open Steps(steps) 204
Idle Valve Closed Duty(%) 18.0
Idle Valve Closed Steps(steps) 46
Dashpot adder(%) 2.0
Dashpot adder(steps) 5
Dashpot decay factor 10
Use last value or table Use last value
Use CLT or MAT in table lookup Use MAT
NOTE: Close delay of 0 means do not close
Close delay(sec) 0
Shift Settings
Leave valve closed above:(rpm) 2000
For this number of seconds:(sec) 3
Closed Loop Idle PID Gains
Proportional Gain(%) 25.0
Integral Gain(%) 40.0
Derivative Gain(%) 60.0
Closed Loop Idle PID activation Settings
Use VSS to activate PID Standard
Idle Activation RPM adder(rpm) 300
Idle Activation TPS threshold(%) 1.0
Closed Loop Idle PID Delays and Behavior
Min Duty for PID(%) 18.0
Min Steps for PID(steps) 46
RPM with valve closed(rpm) 500
RPM with valve open(rpm) 3500
PID delay(sec) 2
Crank to run delay(s) 3
PID ramp to target time(sec) 4
PID Control Interval(ms) 100
Use so that engaging clutch without throttle
Does not leave PID running
PID disable RPMdot 1000
Closed Loop Idle PID Lockout detection
PID lockout RPMdot threshold(rpm/sec) 100
PID lockout max decel load(%) 25.0
Burn
Close