



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

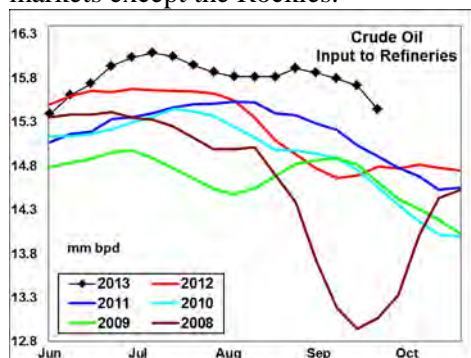
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, October 02, 2013



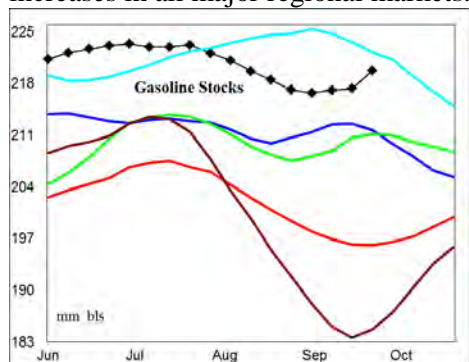
Major Fundamental Trends¹

Refinery crude oil runs continued to trend lower, declining -146,000 bpd last week. The latest 4-wk average was +1.1 million bpd above a year ago, with runs above last year in all regional markets except the Rockies.



Crude oil stocks jumped +5.5 million barrels last week, driven by the highest level of imports in the last 6-months and lower refinery runs as a result of fall refiner maintenance.

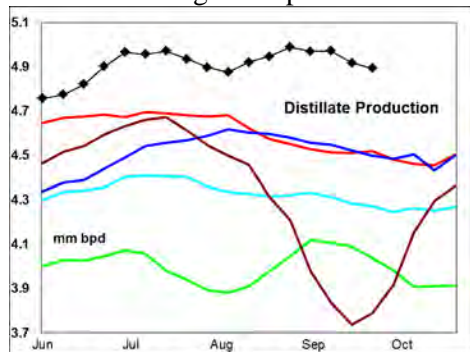
Gasoline stocks saw a +3.5 million barrel build on the week, including increases in all major regional markets.



Gasoline stock levels exceed the last 2-yr in all major regional markets, pointing to continued over supply.

Distillate production has exceeded year ago levels by nearly +10% for the last four months. The increase in exports, combined with the decline in imports has nearly offset the higher production leaving stocks only +5% above year ago levels. Strong demand in the Atlantic basin market, lower European distillate production and lack

of the need to purchase RINS credits undelies the surge in exports.



Jet fuel stocks remain -10% below last year. Stocks are unevenly distributed with record low levels in the Midwest and record highs on the East Coast.

Demand for gasoline fell sharply last week, while middle distillate demand surged on the week. Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +0.8%; distillate was +1.6% higher; jet fuel was +3.7% higher, and residual decreased -14%.

Stocks forward coverage: Gasoline demand coverage jumped on a +2.5 million barrel stock build and -0.3 million bpd drop in demand last week. Coverage ended the week at a new record high level.

Distillate coverage decreased on a -1.7 million barrel stock draw and +250,000 bpd rise in demand. Coverage levels were slightly above last years' record low.

Jet fuel coverage decreased on a -0.7 million barrel stock draw and +174,000 bpd rise in demand. Coverage levels were near 5-yr lows.

Residual fuel oil coverage increased on a +0.4 million barrel build and continued record low demand.

Refinery utilization rates fell last week on a -146,000 bpd decrease in crude oil runs. During the latest 4-wk period crude oil input was +1.1 million bpd above a year ago.

Gasoline yield % on crude oil runs was nearly unchanged on a -101,000 bpd drop in output compared to the -146,000 bpd decline in crude oil runs. Yield % on crude oil runs ended the

week at a near record low for the summer season.

Distillate yield % on crude oil runs increased last week, on a +95,000 bpd rise in output compared to the decrease in crude oil thru put. The yield % on crude oil runs climbed to a new record high for the fall season.

Jet fuel yield % on crude oil runs was nearly unchanged on a -22,000 bpd decline in output, compared to the drop in crude oil runs. The yield % level was well below the last 2-yr.

Petroleum Imports/Exports: Imports of crude oil increased +0.4 million bpd last week, gasoline imports were also higher while middle distillates declined.

During the latest 4-wk period crude oil *imports* were -0.6 million bpd below last year; distillate imports were -15,000 bpd lower; finished gasoline imports decreased -35,000 bpd, gasoline blend stock imports were -67,000 bpd lower; jet fuel imports decreased -11,000 bpd, while residual fuel oil imports were -107,000 bpd lower.

The latest weekly *export* estimate saw a -1,000 bpd decrease in gasoline, a +302,000 bpd jump in distillate and +43,000 bpd rise in jet fuel compared to a year ago.

Crude Oil stocks increased +5.5 million barrels last week, driven by lower refinery runs as fall maintenance begins and higher imports. Stocks increased in all regions except the East Coast. Stock levels were nearly equal to last years' 5-yr highs for this time of year. Refinery crude oil runs were +1.1 million bpd above a year ago for the most recent 4-wk period.

U.S. crude oil production was +1.6 million bpd above a year ago, partially offset by a -0.6 million bpd drop in imports. Stock levels ended the week -25% below last year in Cushing.

¹ Source is latest EIA Weekly Statistics



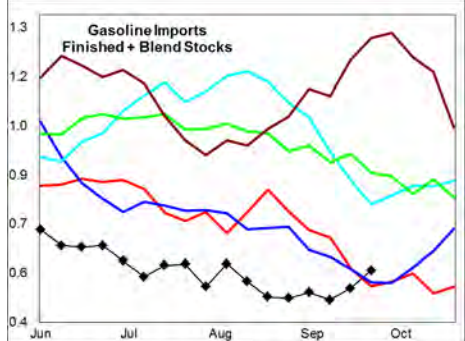
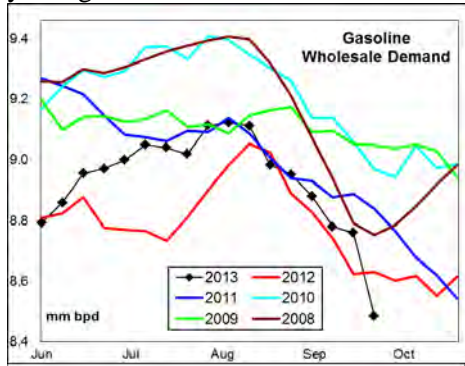
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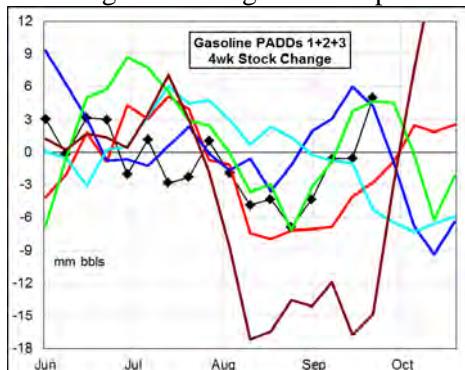
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Product Supply-Demand Trends

Gasoline wholesale demand decreased -0.3 million bpd last week. The latest 4-wk average demand was +69,000 bpd above a year ago. Supply was nearly unchanged on the week with higher imports offset by a decline in refiner output. Supply for the latest 4-wk period was +18,000 bpd above a year ago.

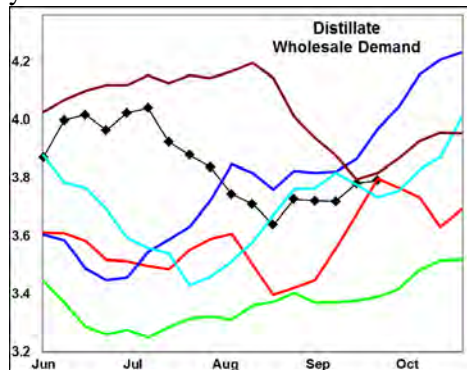


Stocks experienced a build of +3.5 million barrels last week, pushing the level to near 5-yr highs. The latest 4-wk stock change in markets East of the Rockies was a +5 million barrel build, matching historic highs for the period.

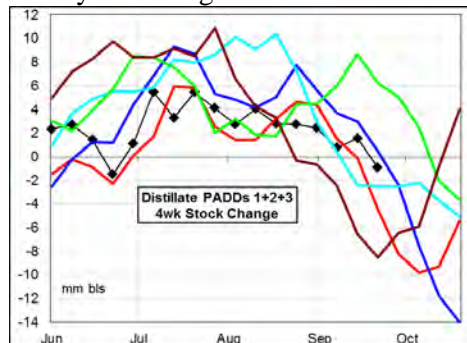


Stock levels match or exceed highs of the last 2-yr in all major markets, with record stock levels in the key Gulf region. A recent collapse in ethanol prices, switch to winter RVP grades,

and lower RINS values should drive maximum use of gas liquids and ethanol in blending for the fall quarter. **Distillate** wholesale demand jumped +250,000 bpd last week, to a level comparable to the 3-yr mid range. The latest 4-wk average demand was +59,000 bpd above a year ago, a +2% increase. Supply increased +43,000 bpd last week on higher production. The latest 4-wk average supply was +382,000 bpd above last year. Stocks decreased -1.7 million barrels on the week, with the level +4% above last year.



The latest 4-wk stock change in markets East of the Rockies was a -0.9 million barrel draw, nearly equal to the 3-yr mid range.

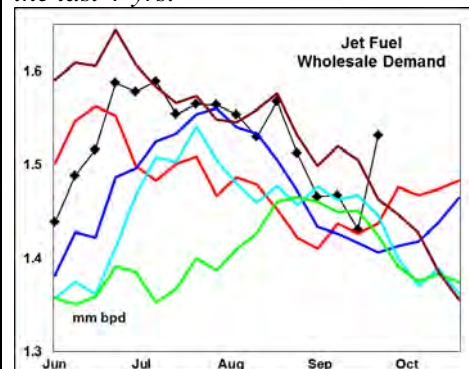


Look for lower production as refiners ramp up fall maintenance. Combined with a seasonal uptrend in demand, stocks should see further draws over the next 60-days.

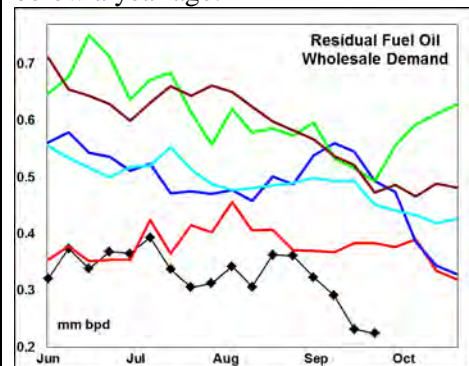
Jet Fuel wholesale demand jumped +174,000 bpd on the week, a level above the historic range for the week. The latest 4-wk average demand was +53,000 bpd above last year, a +4% increase.

Supplies declined -45,000 bpd on the week, driven by lower production and imports. Production remains near 5-yr highs for the period. Supply for the latest 4-wk period was +55,000 bpd above a year ago. Stocks decreased -0.7 million barrels last week, with the level -4.6 million barrels below last year.

Look for a pull back in demand in the near term to support modest stock building during the next 30-days; although the level will remain below the last 4-yr.



Residual fuel oil demand decreased -9,000 bpd last week. Demand for the latest 4-wk period was -43,000 bpd below a year ago.



Supply (production + imports) increased +19,000 bpd on higher production. Production levels remain below the 5-yr range. Stock levels ended the week at a level that matched the last 2-yr.

Stock levels in the Gulf region remain above the historic range, following a jump in imports last week to a record high for this time of year.



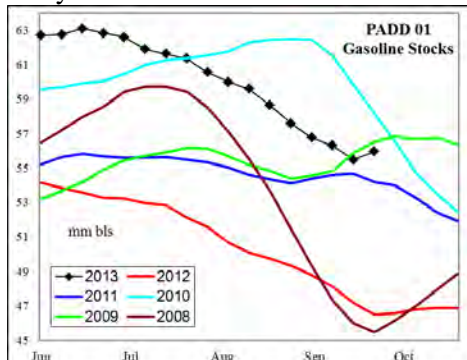
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PADD Supply Trends

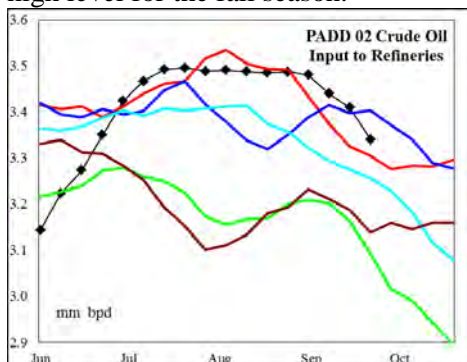
PADD 1 refinery crude oil runs increased +79,000 bpd last week; with the latest 4-wk average +18% above last year.



Gasoline supply increased +164,000 bpd last week. Stocks climbed +1.6 million barrels on the week, with the level equal to the 3-yr mid range.

Distillate supply declined -71,000 bpd on the week, with the 4-wk average +18,000 bpd above a year ago. Stocks fell -0.7 million barrels on the week, to a level that matched last year.

Jet fuel stocks jumped +0.7 million barrels last week, ending at a record high level for the fall season.



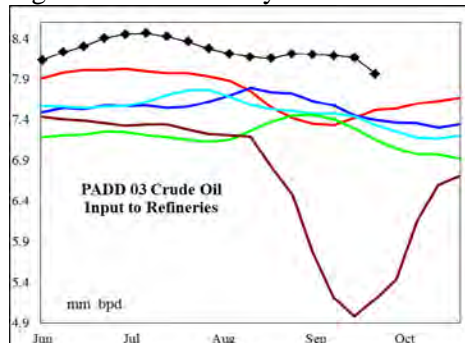
PADD 2 crude oil refinery runs fell -107,000 bpd last week, with the latest 4-wk average +67,000 bpd above last year. Crude oil stocks increased +0.7 million barrels last week, including a -0.1 million barrel draw in Cushing. Stocks ended the week -25% below a year ago in Cushing.

Gasoline production decreased -131,000 bpd last week to a level below the 5-yr range. Stocks surged +1.9 million barrels on the week, to a level well above the historic mid range.

Distillate supply increased +33,000 bpd last week, to a level that matched 5-yr highs for the period. Stocks extended the longer term uptrend, ending the week above the historic mid range.

Jet fuel production and stocks each plunged to record low levels last week. Stocks ended the week -30% below last year.

PADD 3 refinery runs decreased -105,000 bpd last week as fall maintenance increased. During the latest 4-wk period, average runs were +0.8 million bpd above a year ago. Crude oil stocks increased +3.8 million barrels last week, to a level near 5-yr highs for this time of year.



Gasoline supply decreased -52,000 bpd on the week, with the latest 4-wk average +113,000 bpd above a year ago. Stocks ended the week +18% above last year and a new all time record for the fall season.

Distillate supply declined -26,000 bpd on the week, with the latest 4-wk average supply +330,000 bpd above last year. Stocks decreased -1.1 million barrels last week, to a level +9% above a year ago.

Jet fuel production increased +37,000 bpd on the week, to a level comparable with the last 2-yrs. Stocks decreased -0.4 million barrels, to a level -20% below the last year, near 5-yr lows.

Residual fuel supply increased +124,000 bpd, while stocks jumped +1 million barrels.

PADD 4 refinery crude runs increased +52,000 bpd on the week, to a level that matched the 5-yr mid range. Light product yields. Crude oil stock levels

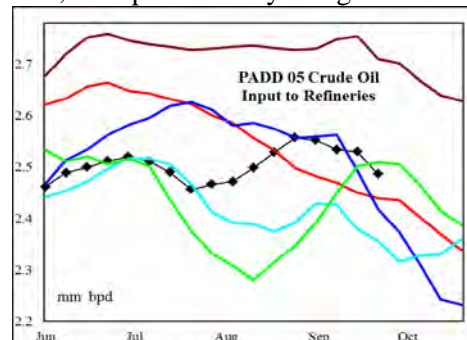
were +13% above the previous record high.

Gasoline production decreased -13,000 bpd on the week, with the level above the historic mid range. Stock levels fell -0.3 million barrels on the week, to a level near historic lows for the period.

Distillate production increased +15,000 bpd on the week, a level near historic lows for the season. Stock levels remain above the historic range.

Jet fuel production and stock levels last week were each comparable to the mid range for the prior 3-yrs.

PADD 5 crude oil refinery runs decreased -65,000 bpd on the week to a level with the level above the last 3-yrs. The latest 4-wk run rate was +75,000 bpd above a year ago.



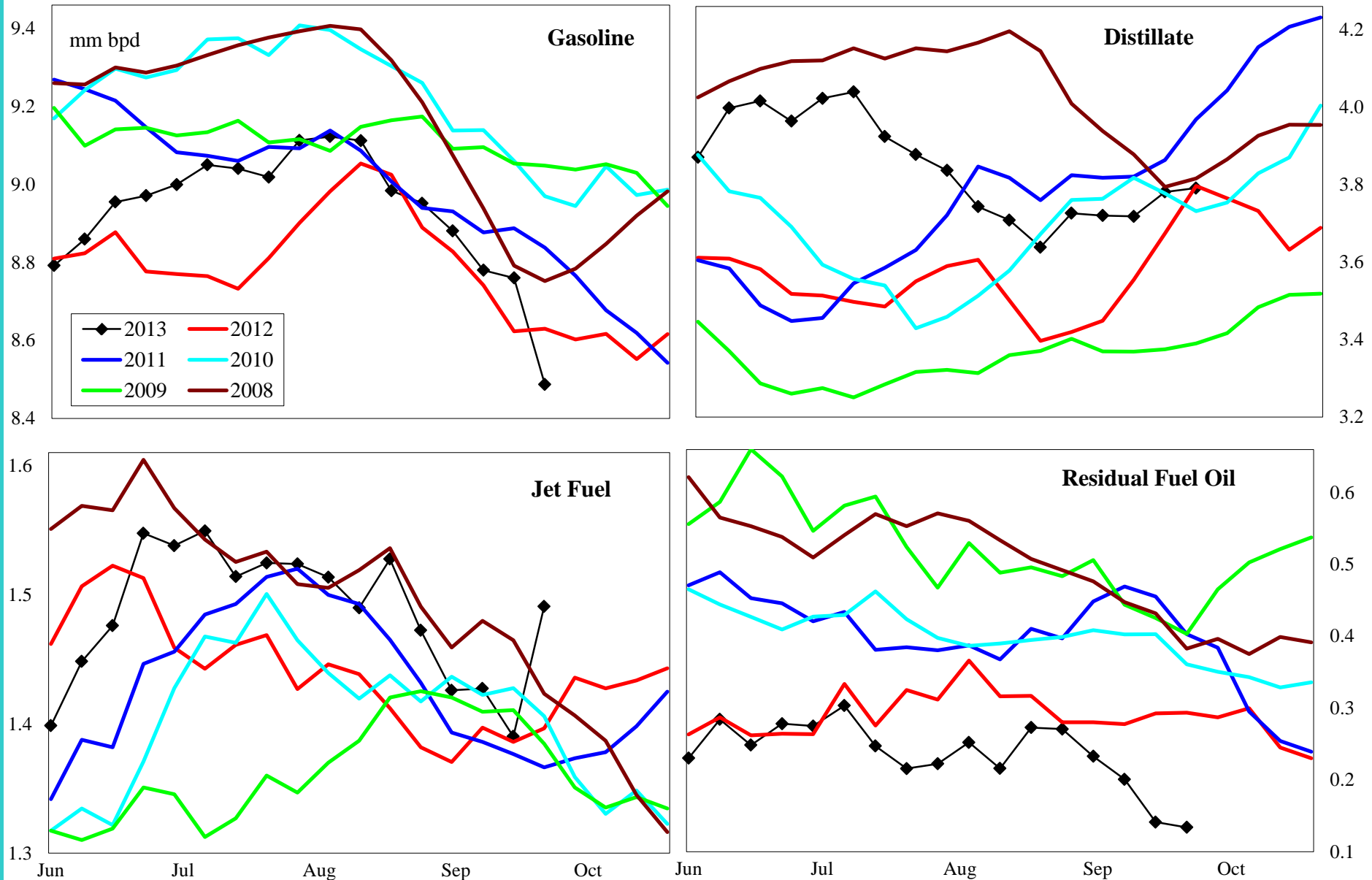
Gasoline supply increased +79,000 bpd on the week with production above the 5-yr range. The latest 4-wk average supply was +29,000 bpd above a year ago. Stocks increased +0.3 million barrels on the week, a level that matched the 3-yr mid range.

Distillate supply increased +93,000 bpd, to a level above the 5-yr range. The latest 4-wk average supply was +31,000 bpd above last year. Stocks increased +0.2 million barrels to a level above the 3-yr mid range.

Jet fuel supply declined -46,000 bpd last week, at a level above the last 3-yrs. Stocks increased +0.1 million barrels on the week to a level -7% below a year ago.

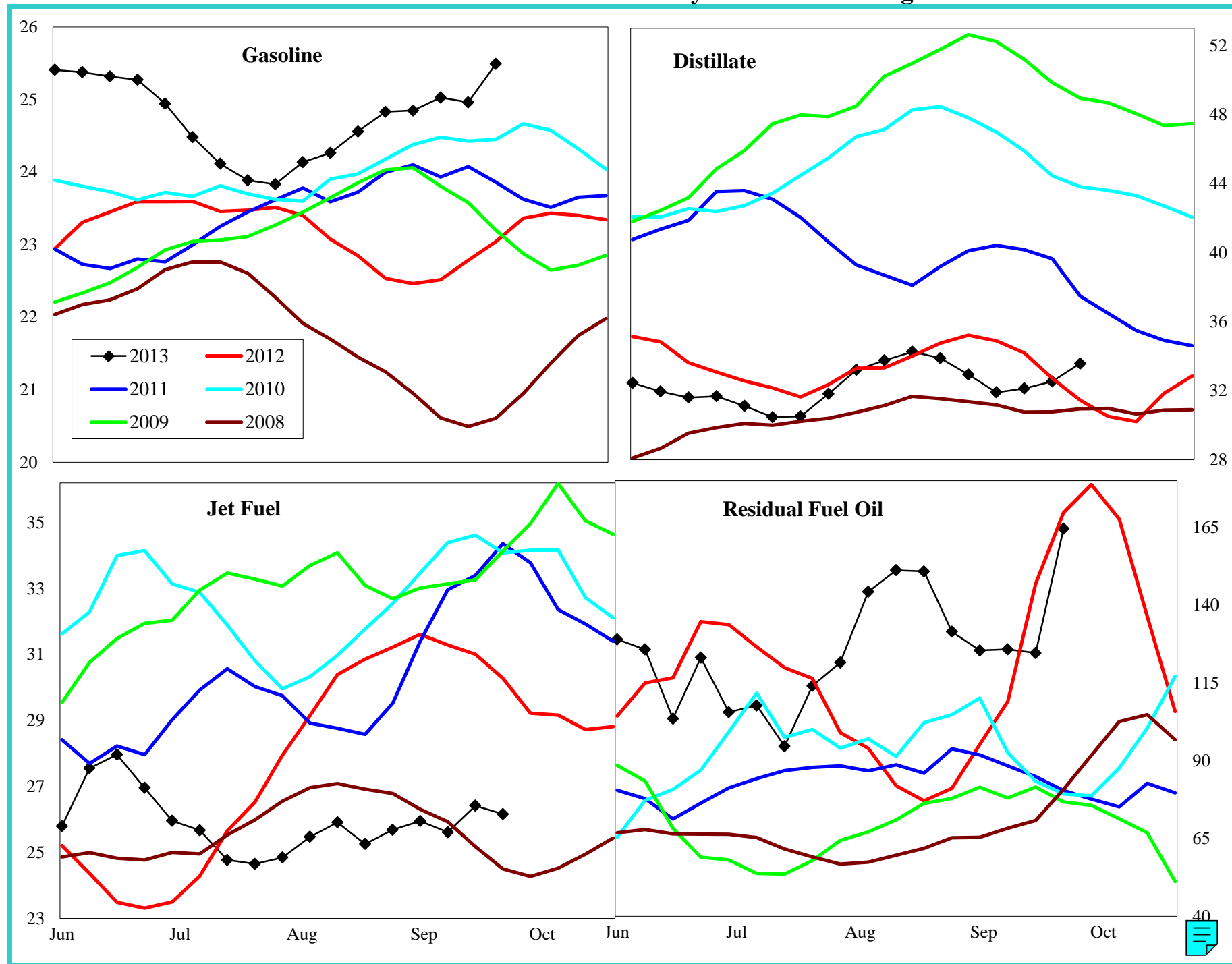
Residual fuel oil production and imports were each below the 5-yr range with stock levels near the historic mid range.

United States Wholesale Petroleum Demand

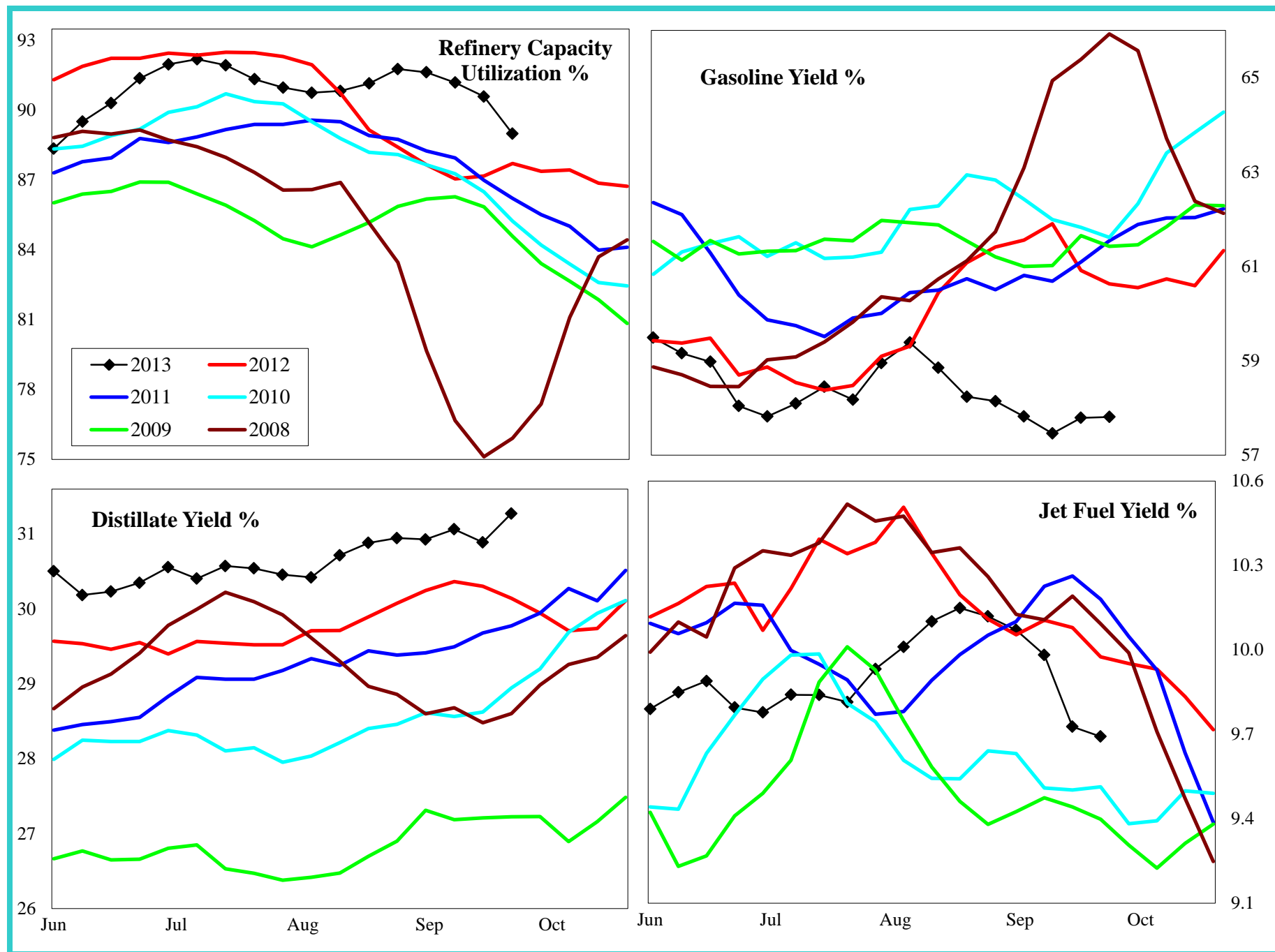


	000 bpd change from prior year				% change from prior year				
	4wk avg	Aug	Jul	Jun	4wk avg	Aug	Jul	Jun	
Gasoline	69	-6	207	-70	0.8	-0.1	2.3	-0.8	
Distillate	59	-23	442	-62	1.6	-0.6	12.4	-1.7	
Jet Fuel	53	80	68	-114	3.7	5.4	4.6	-7.4	
Resid	-43	-85	-147	-69	-14.2	-24.1	-35.2	-18.5	

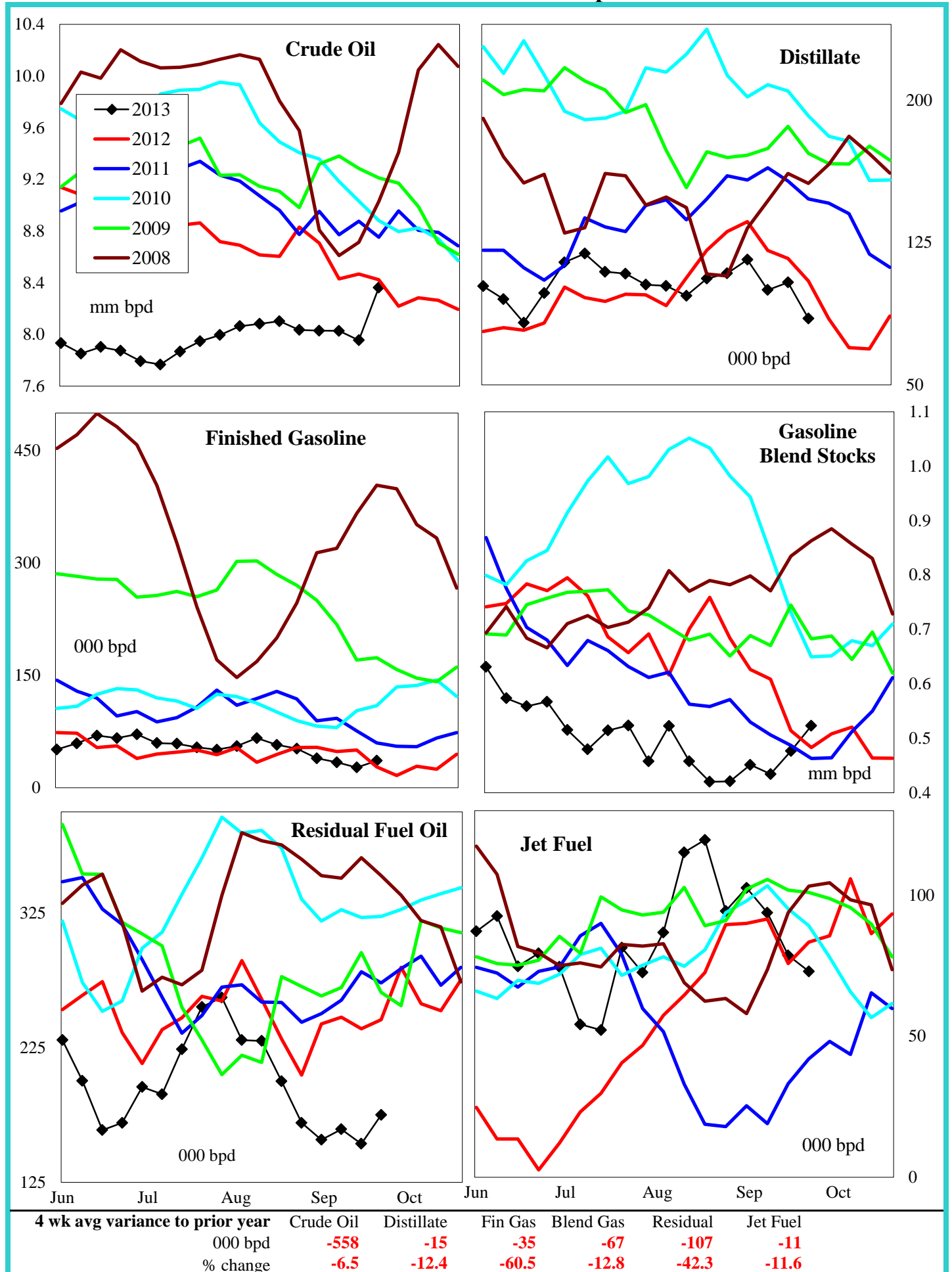


United States Product Stocks: Days Forward Coverage

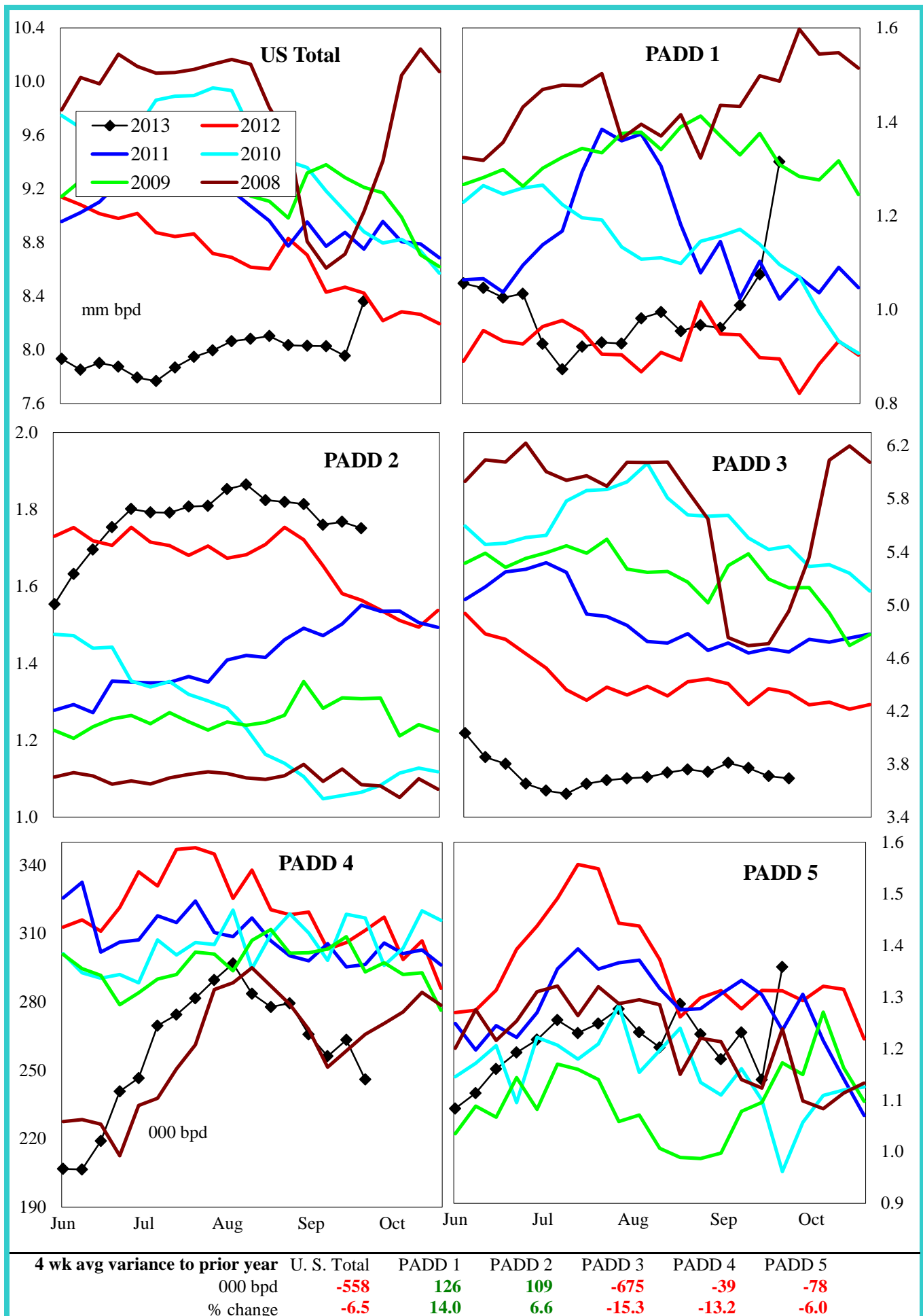
United States Refinery Percent Utilization Rate and Product Yields



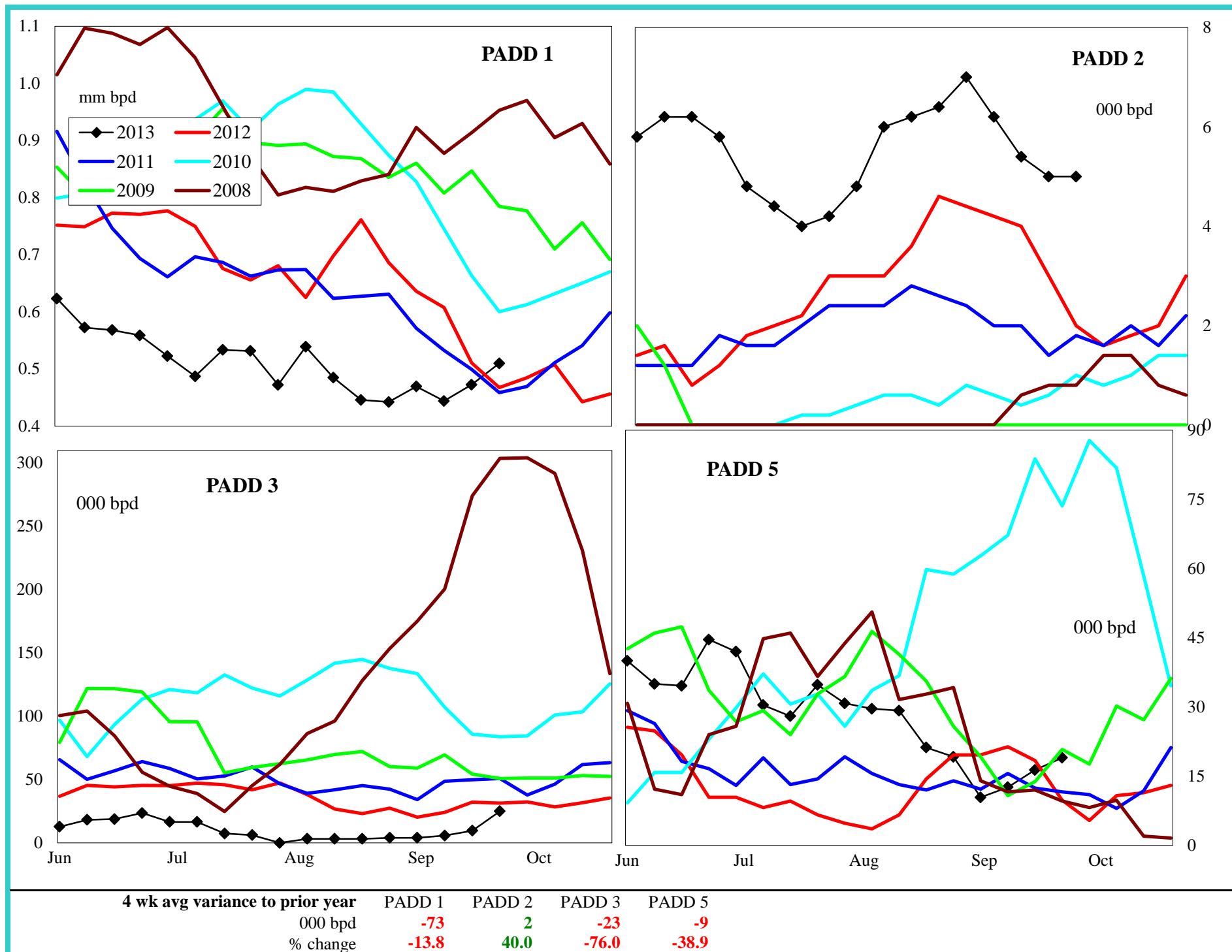
United States Petroleum Imports



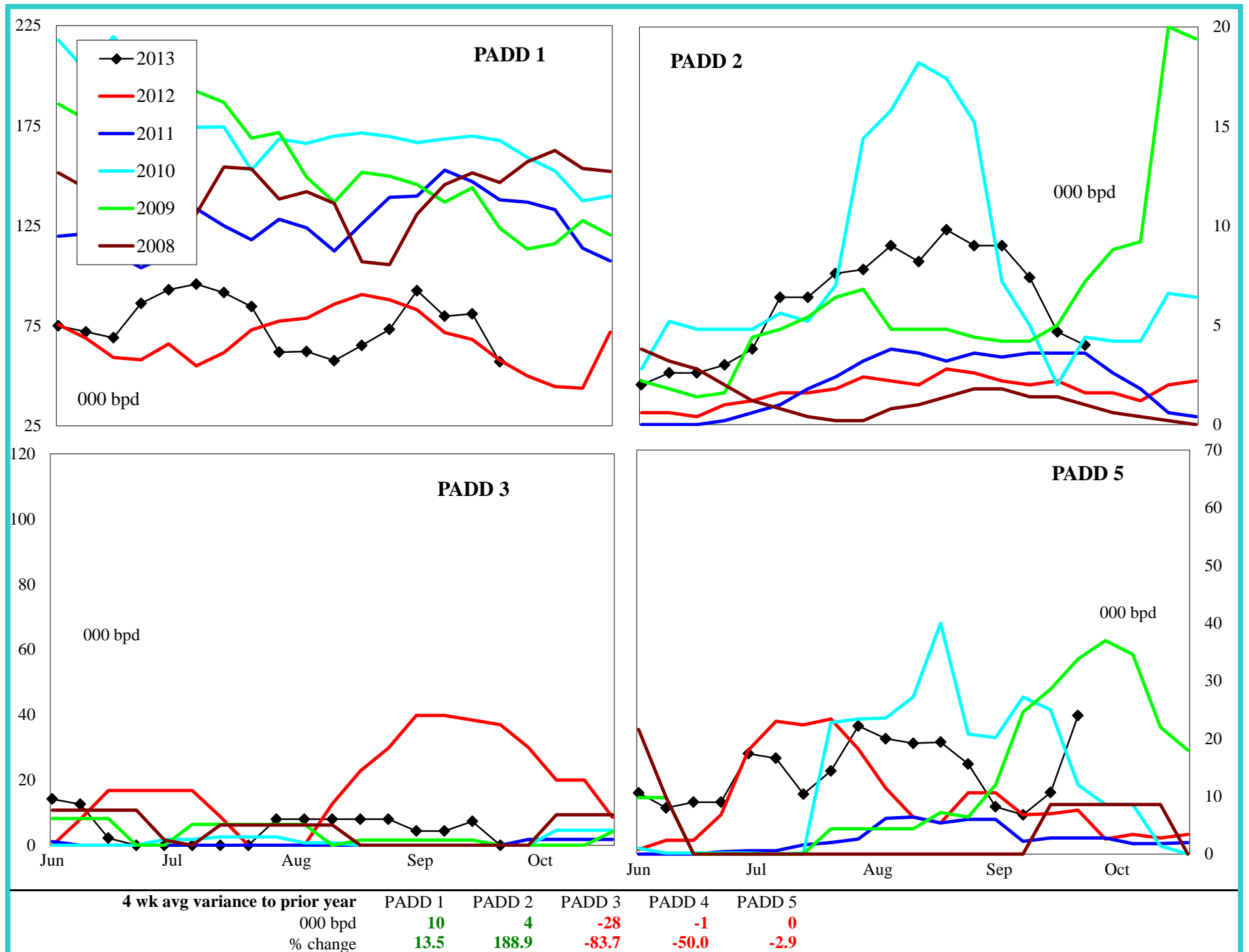
Crude Oil Imports by PADD



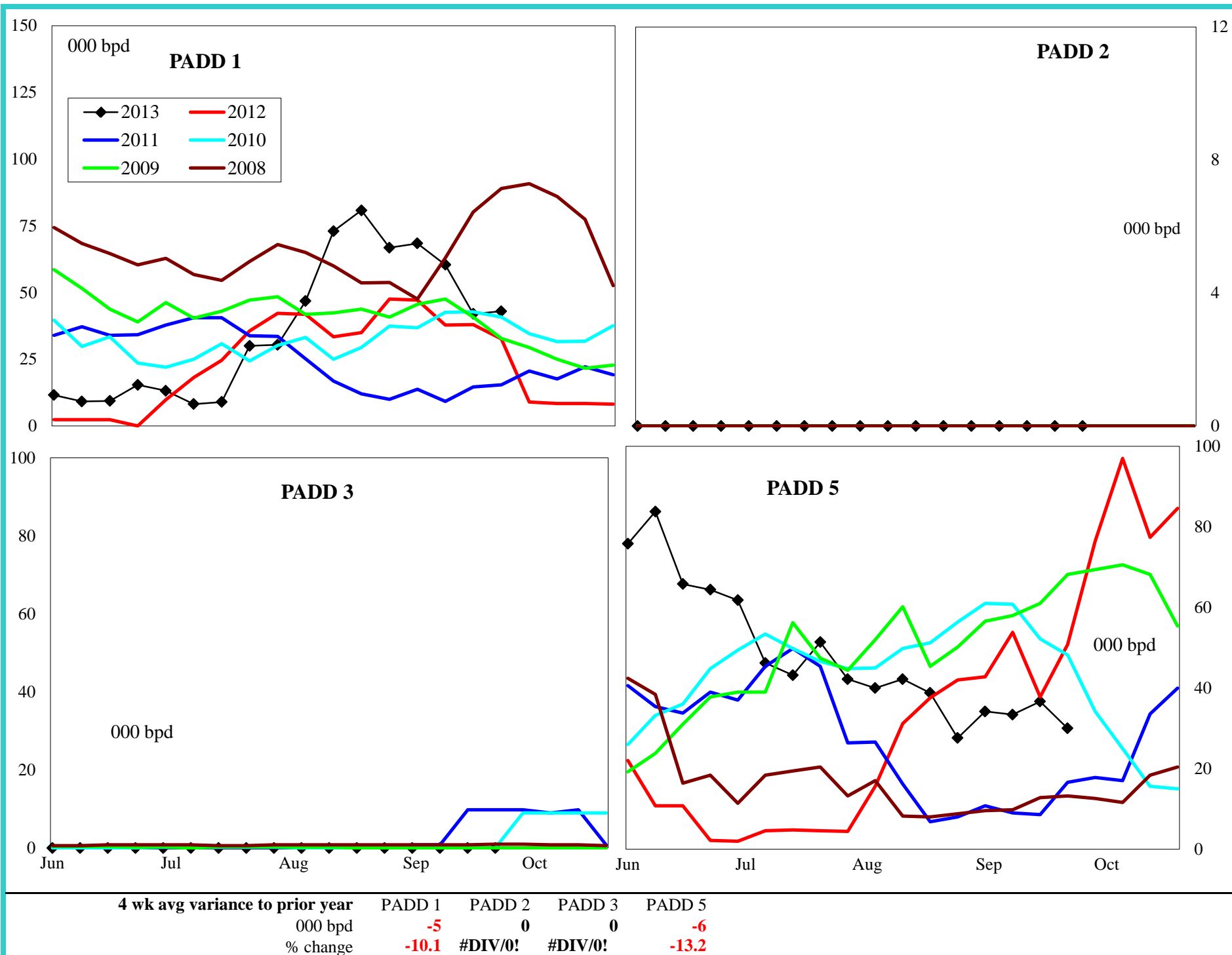
Gasoline Imports by PADD (Finished + Blend Stocks)



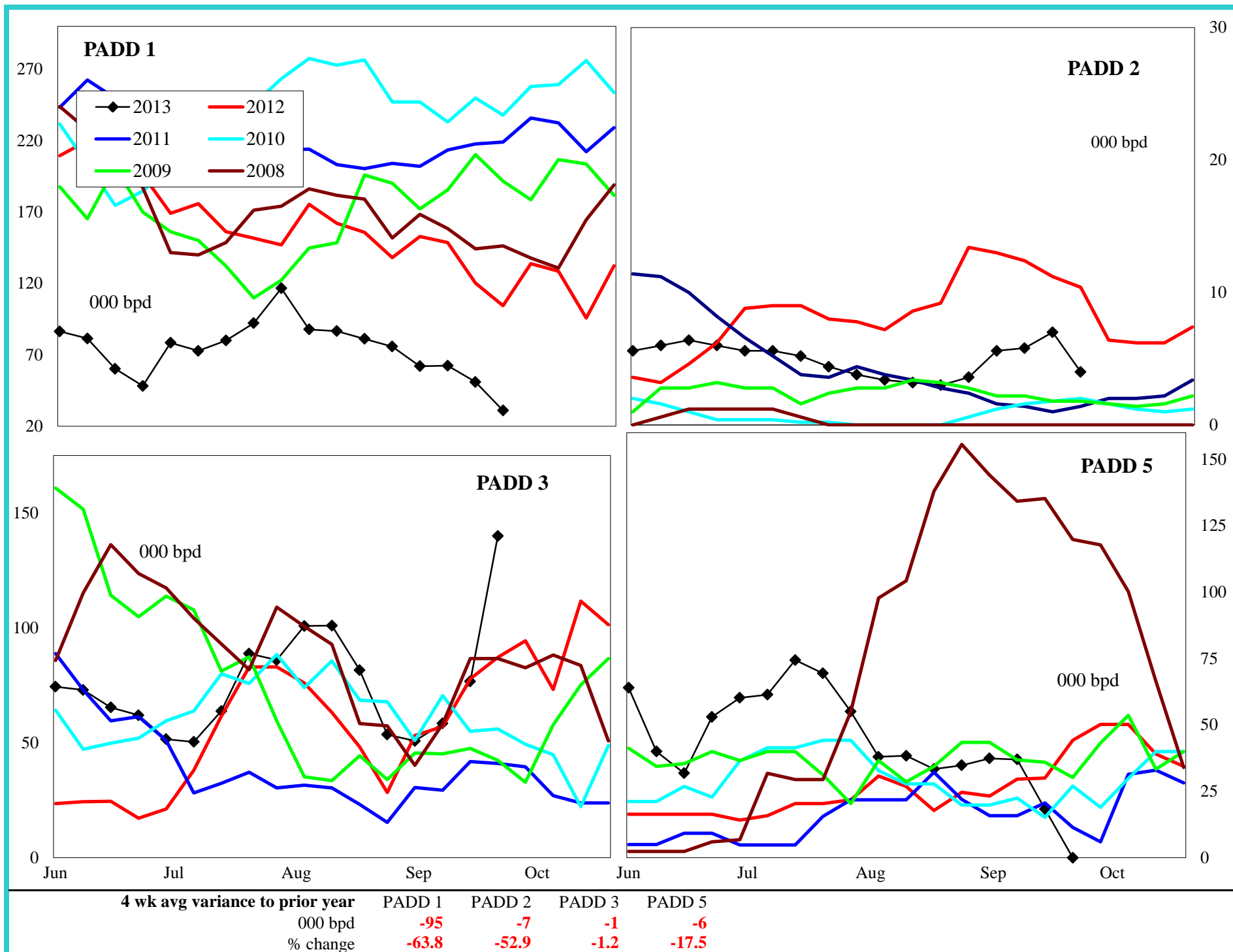
Distillate Imports by PADD



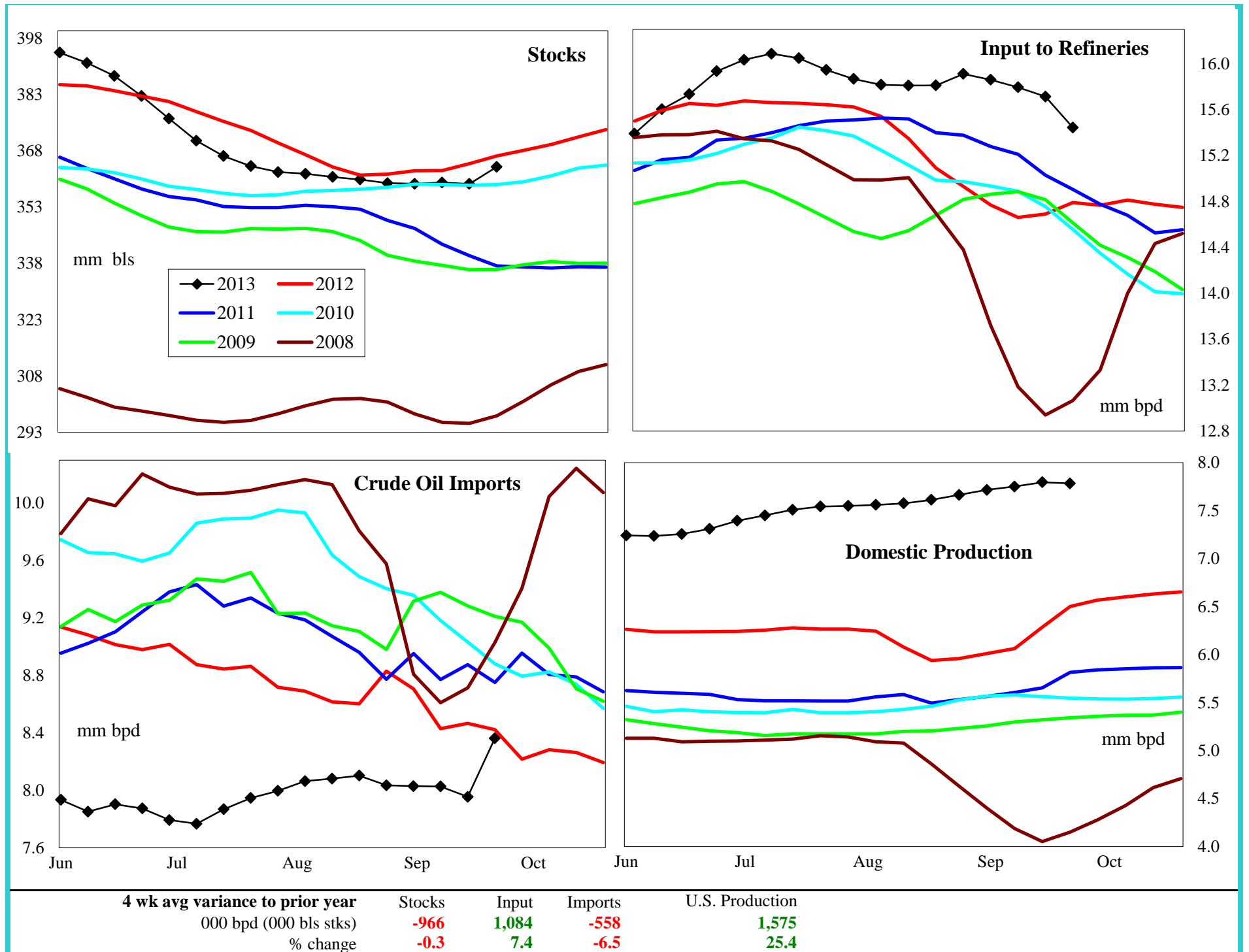
Jet Fuel Imports by PADD



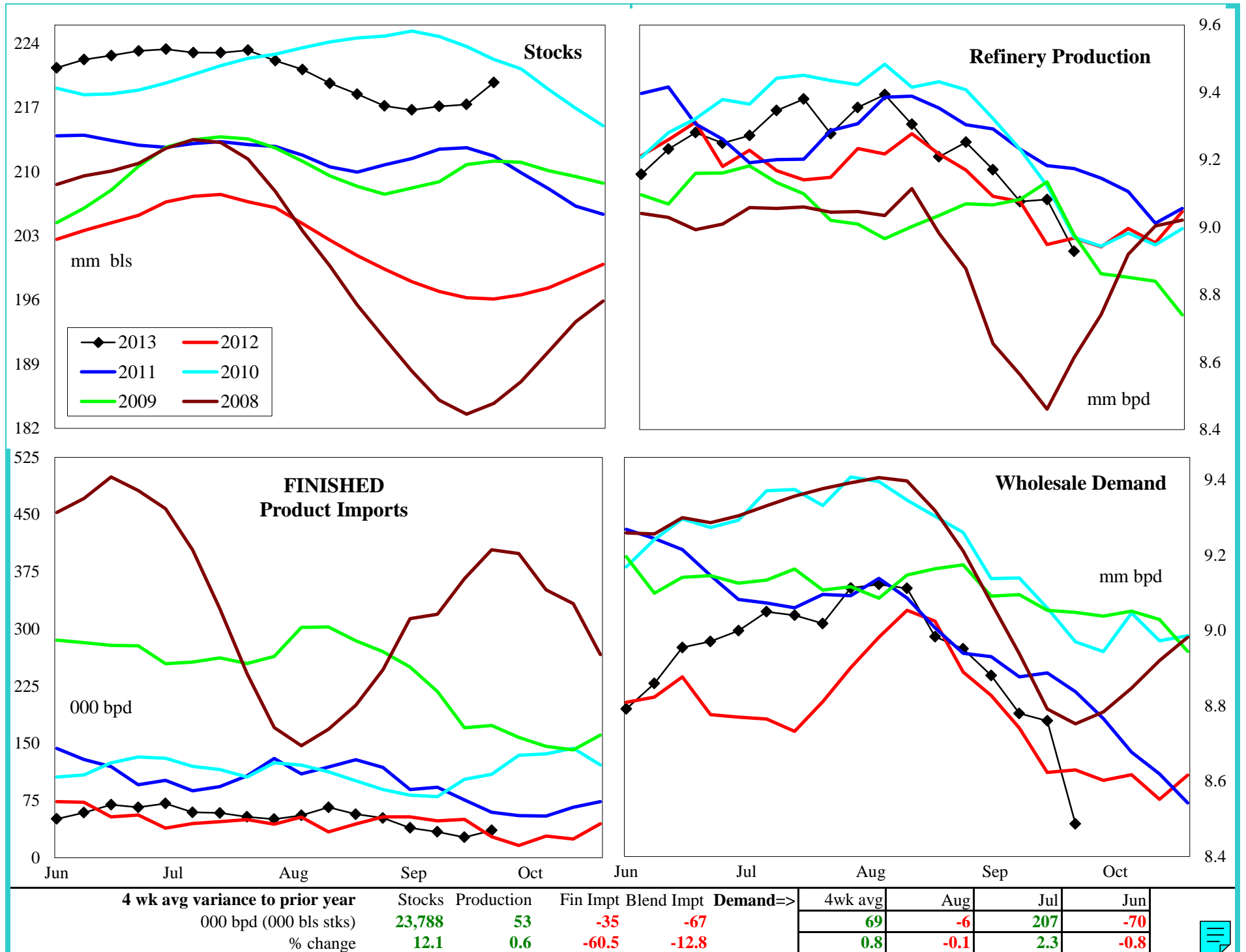
Residual Fuel Oil Imports by PADD



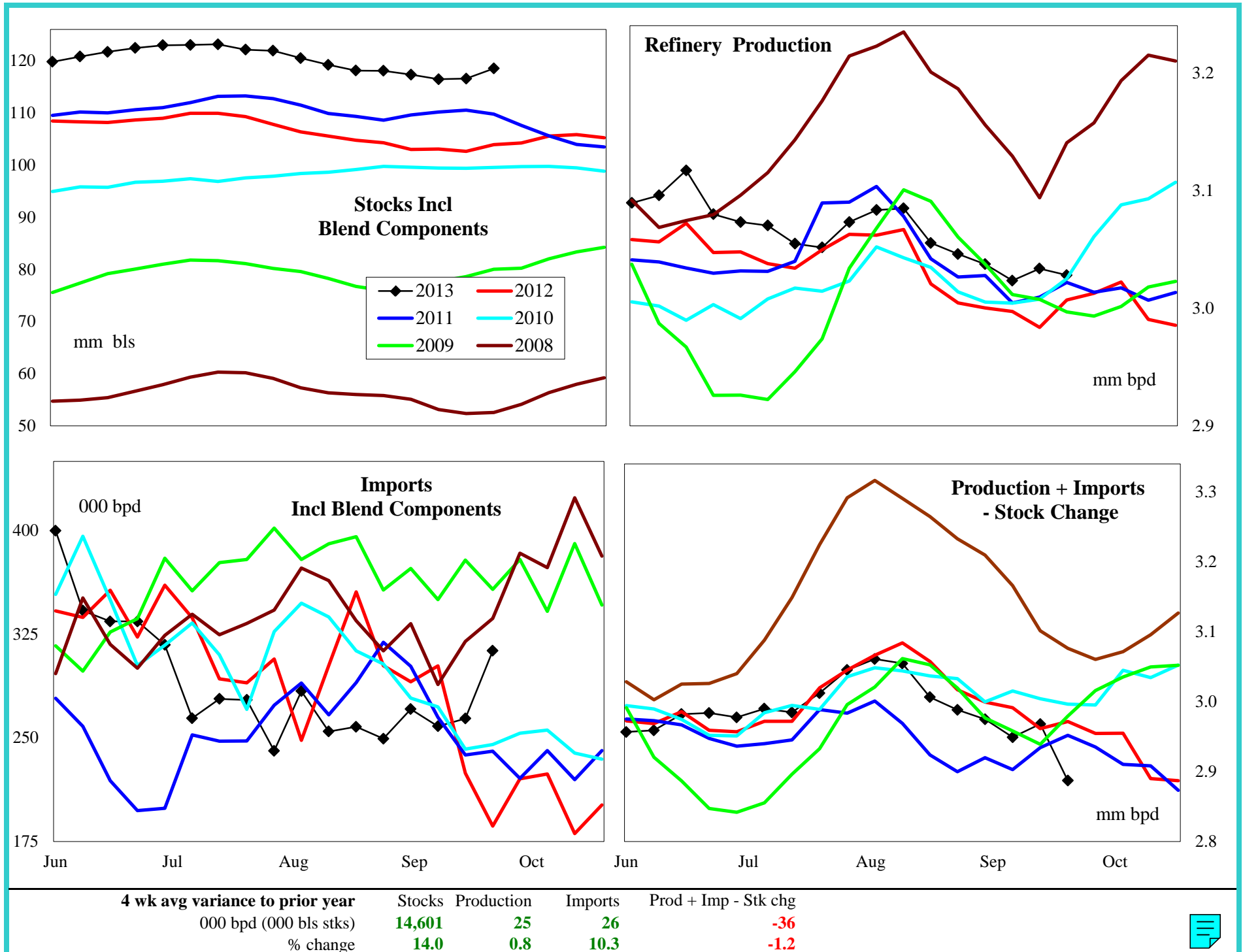
United States Crude Oil Supply and Demand Balance



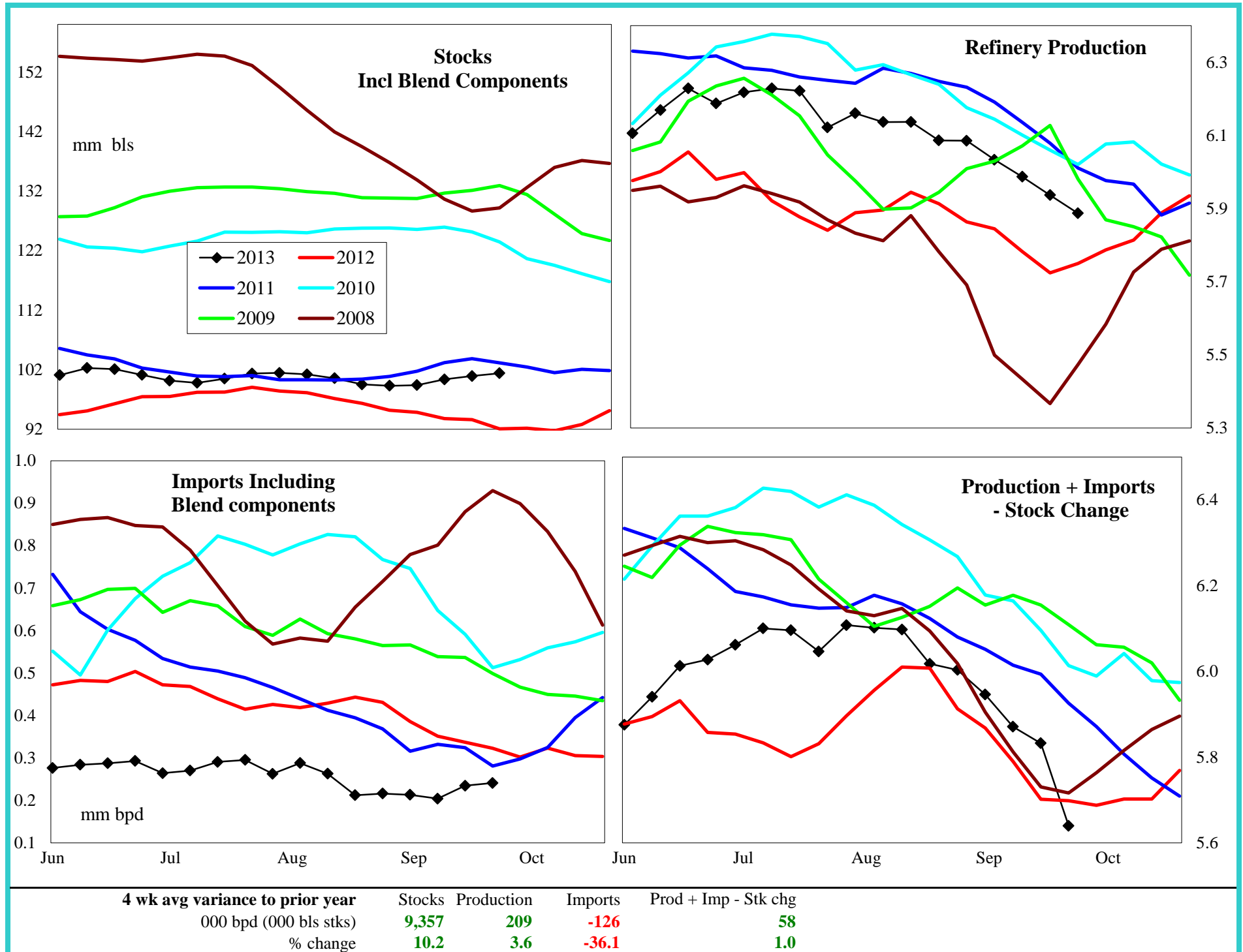
United States Gasoline Supply and Demand Balance



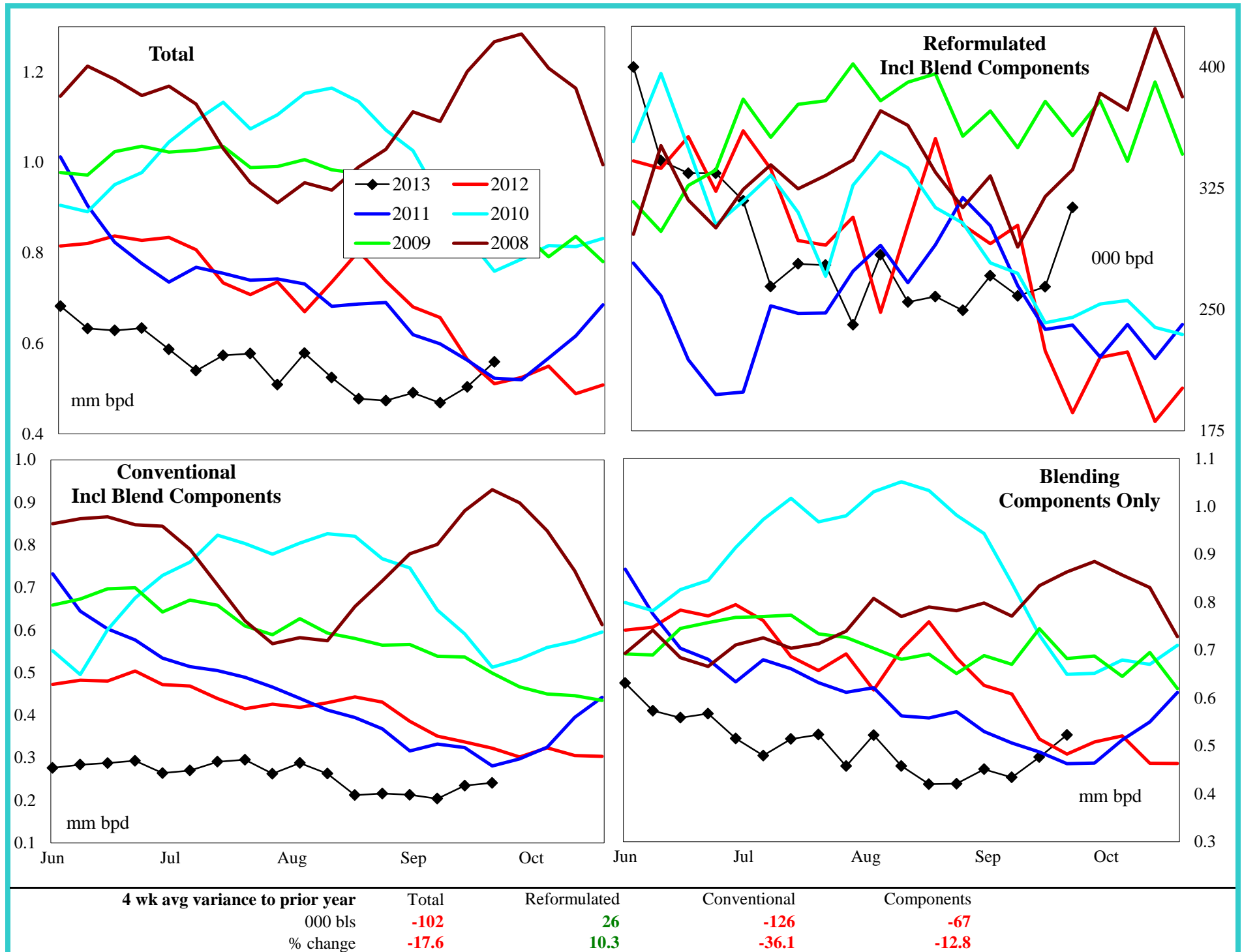
United States Reformulated Gasoline Supply



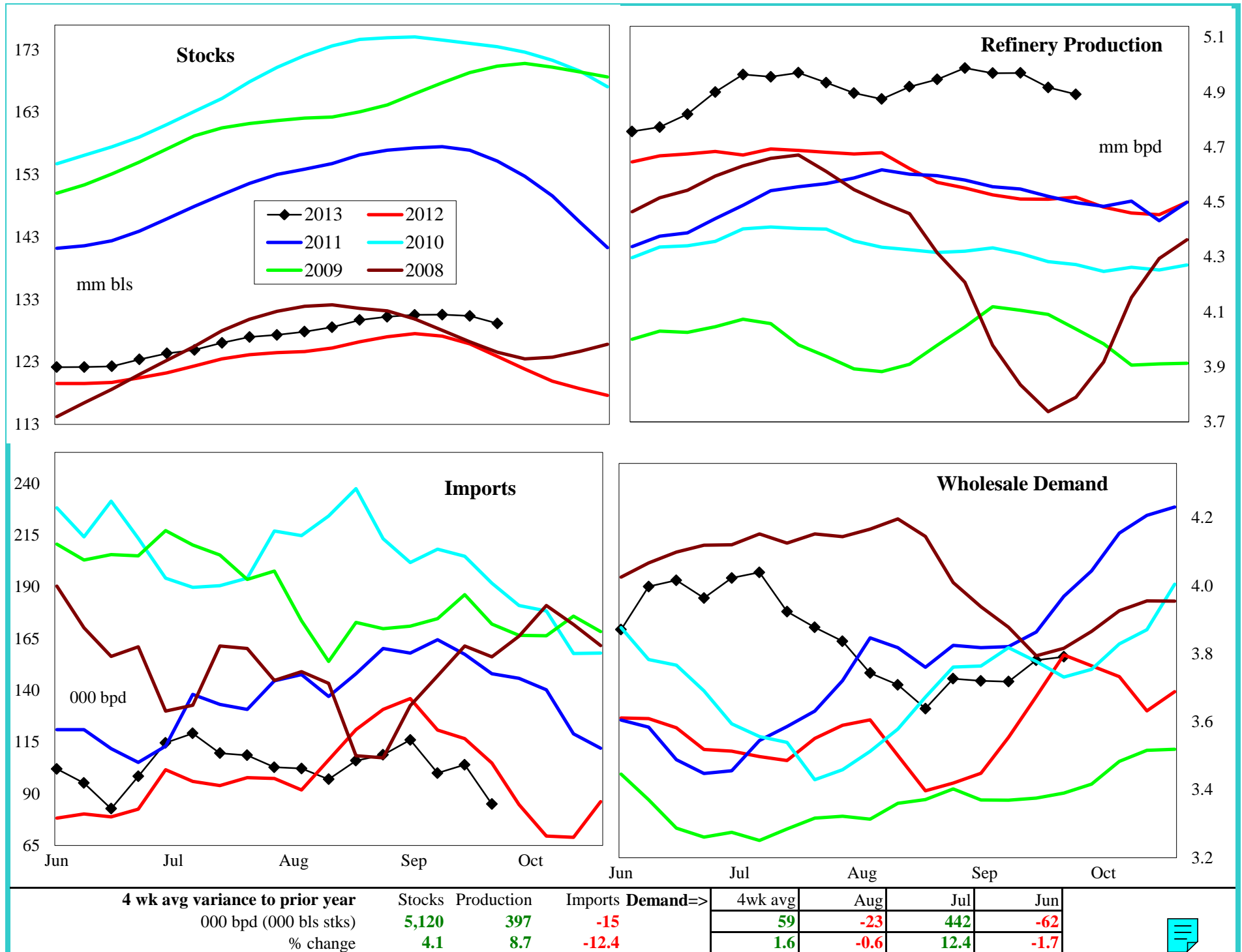
United States Conventional Gasoline Supply



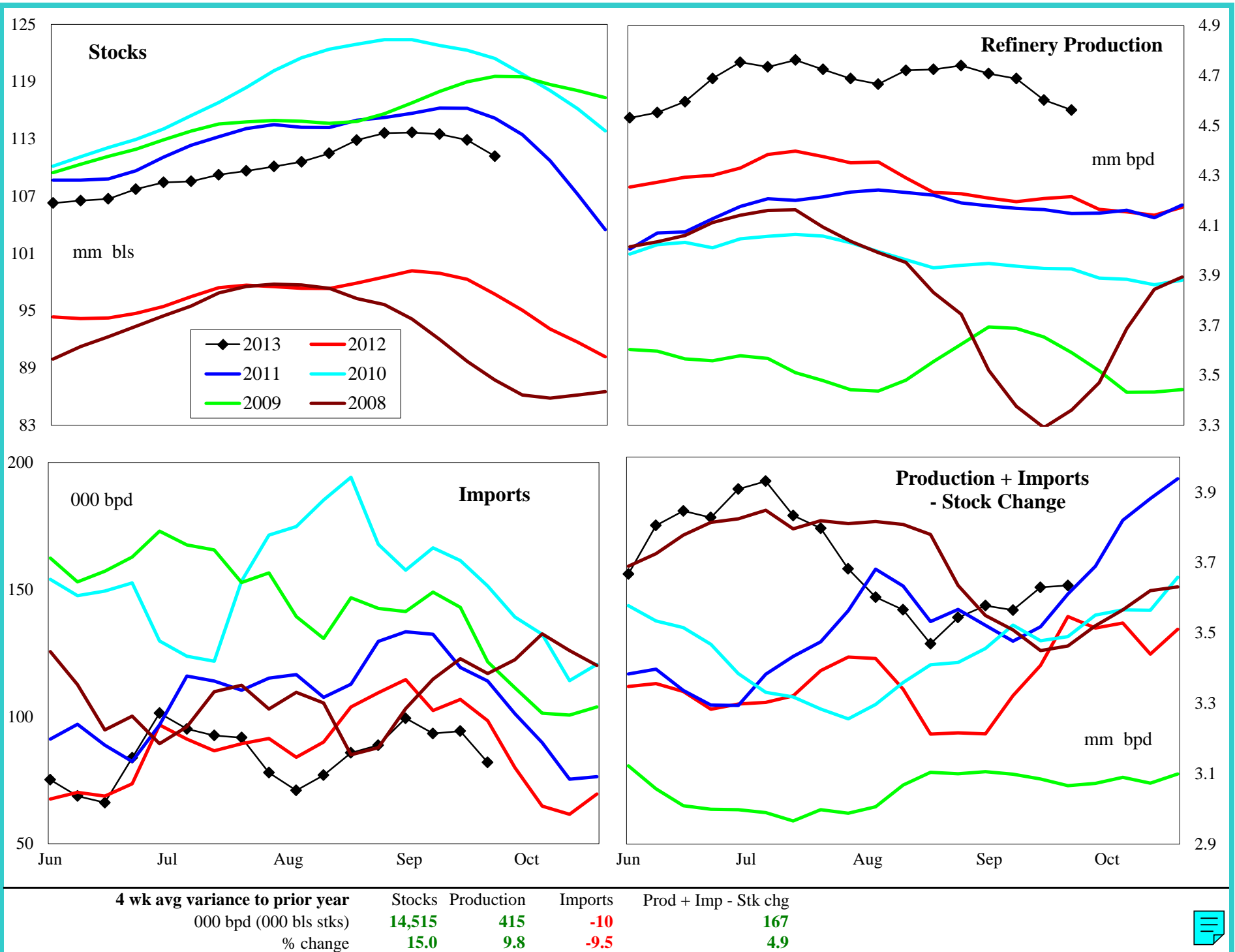
United States Gasoline Imports by Type



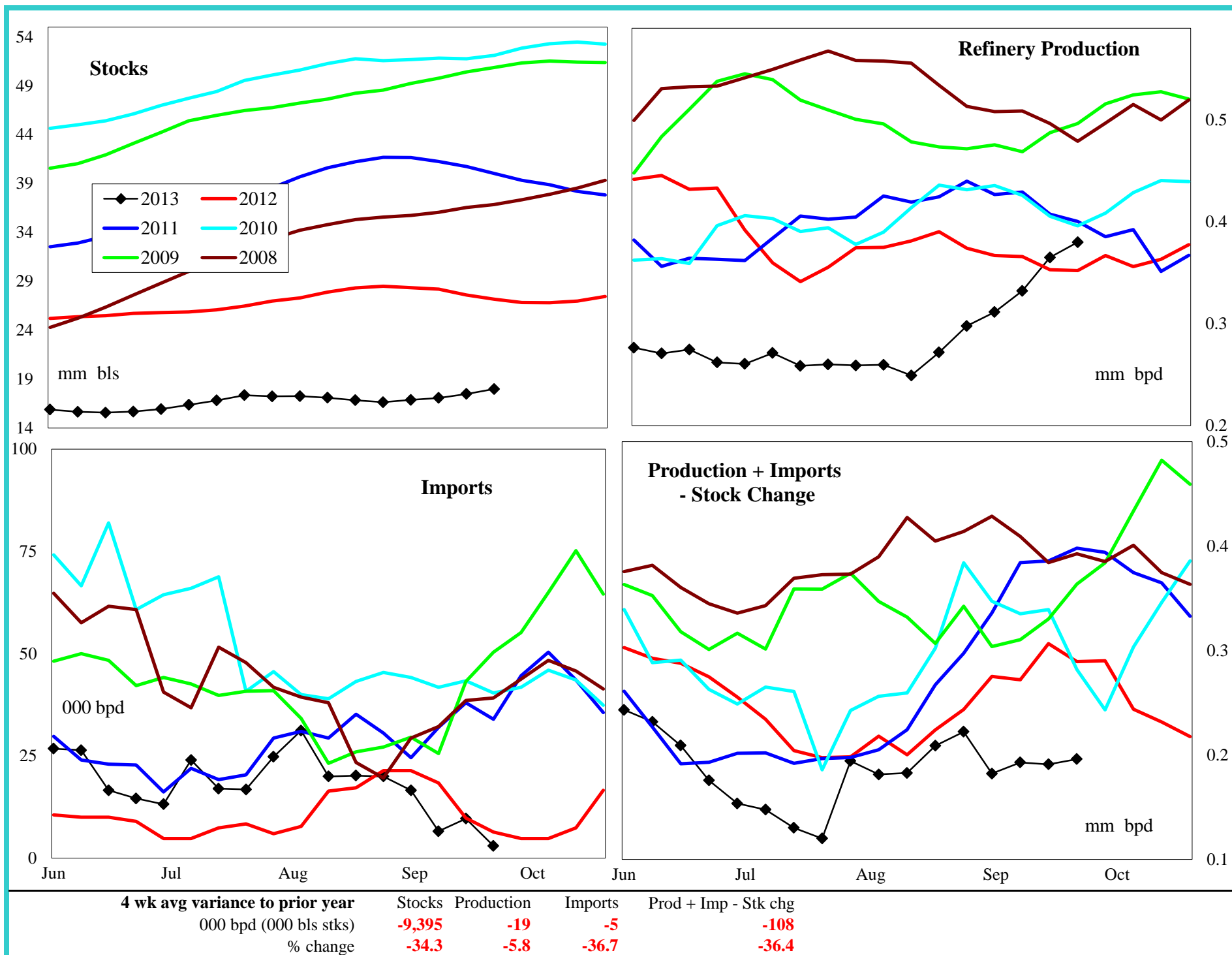
United States Distillate Supply and Demand Balance



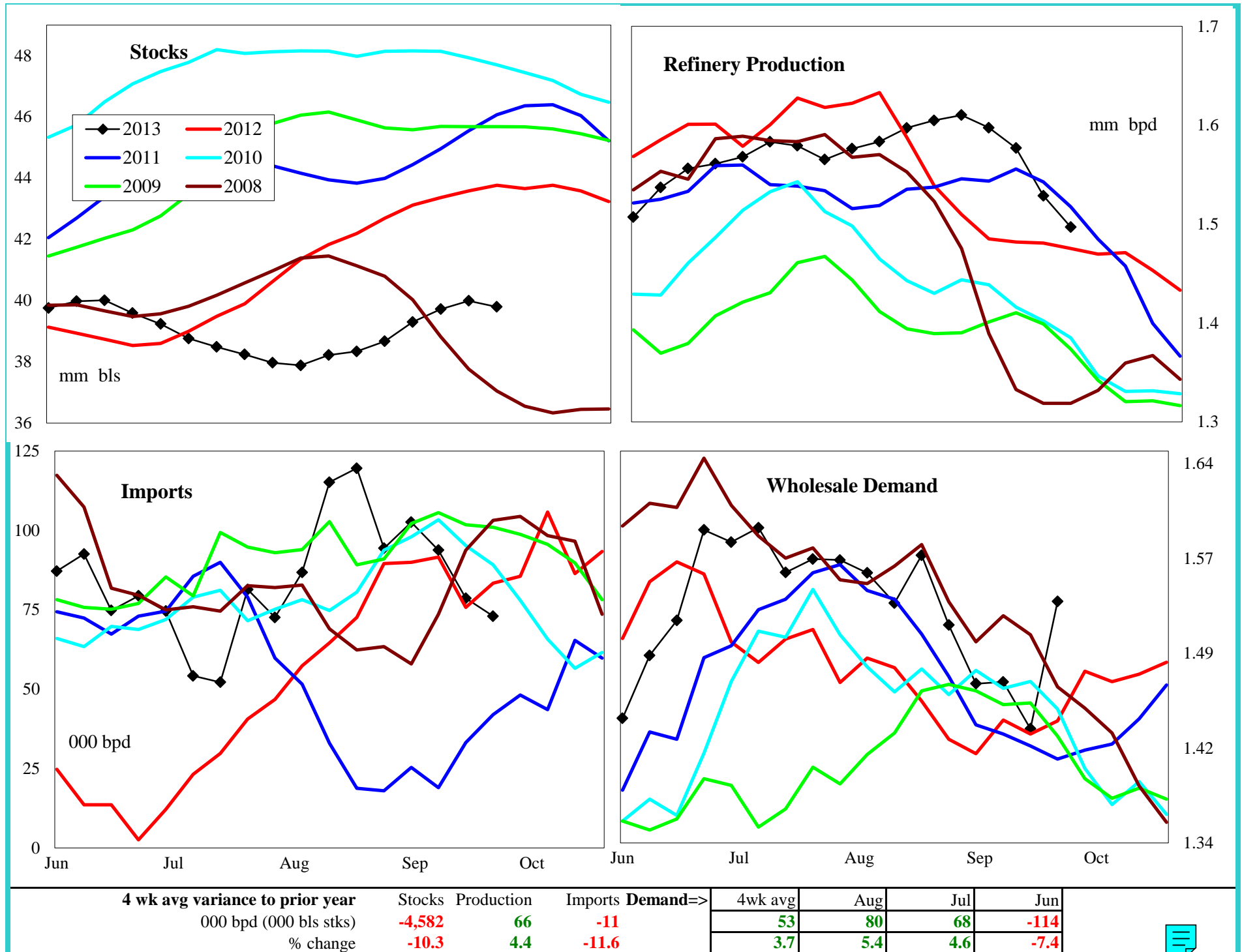
United States Low Sulfur Distillate Supply



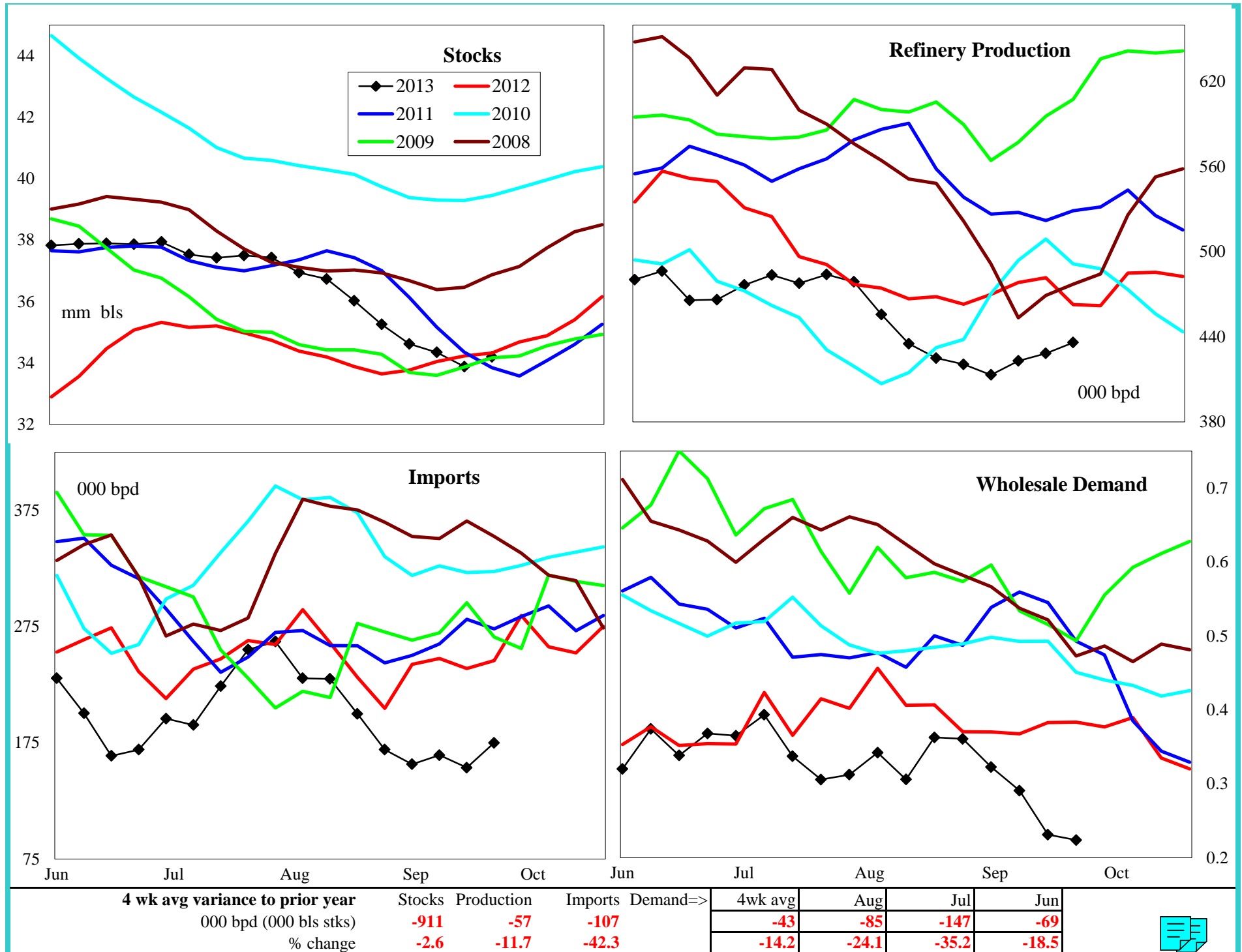
United States High Sulfur Distillate Supply



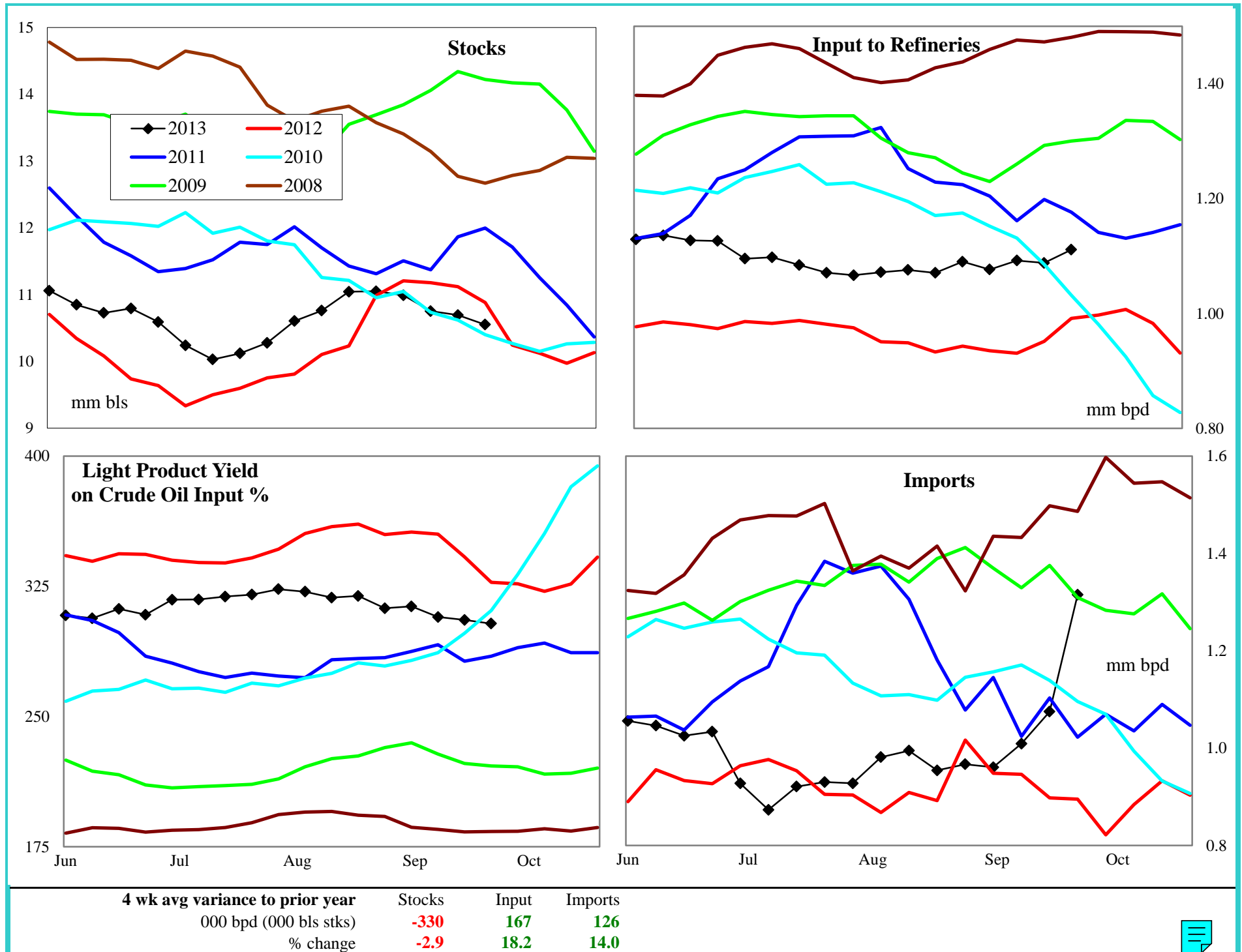
United States Jet Fuel Supply and Demand Balance



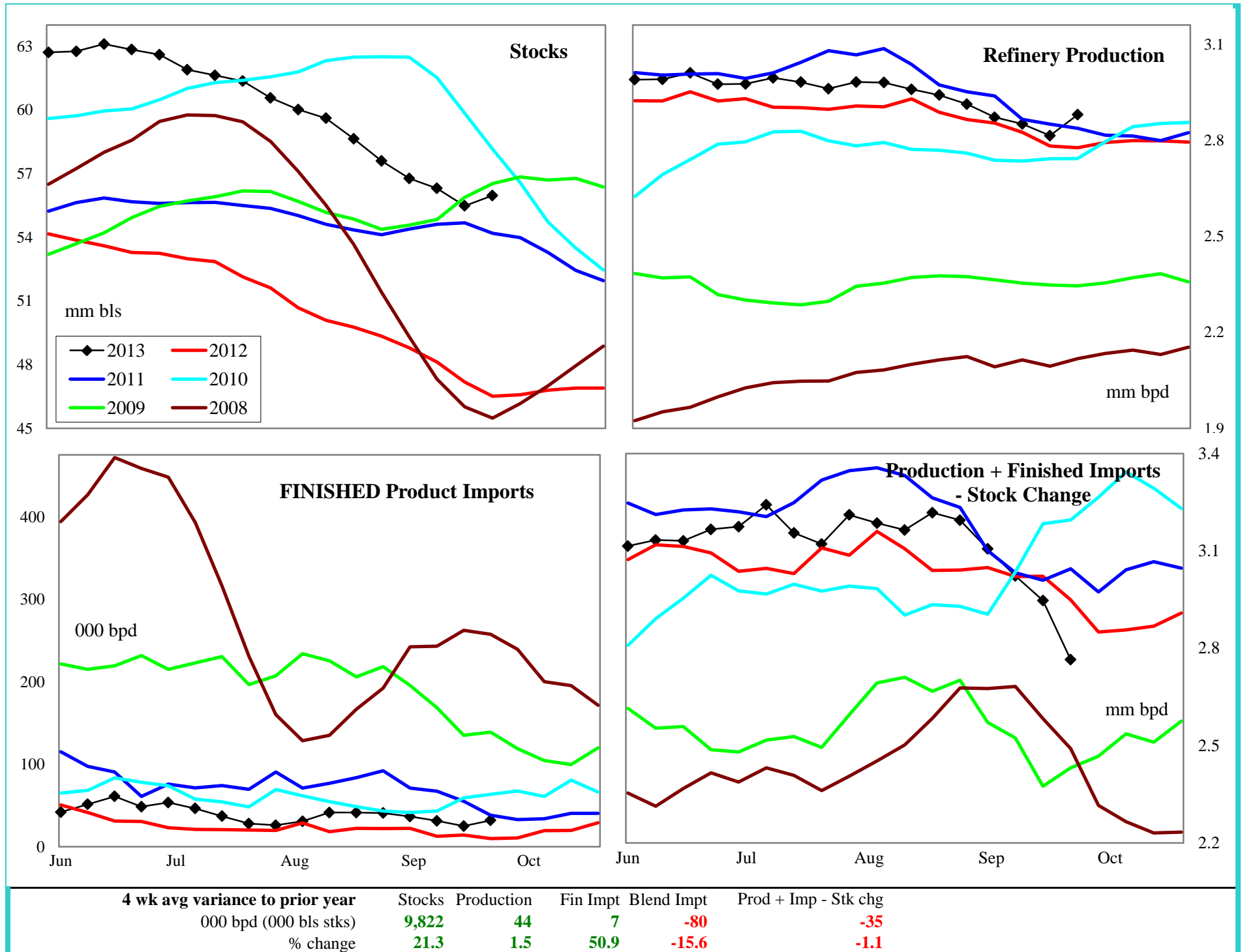
United States Residual Fuel Oil Supply and Demand Balance



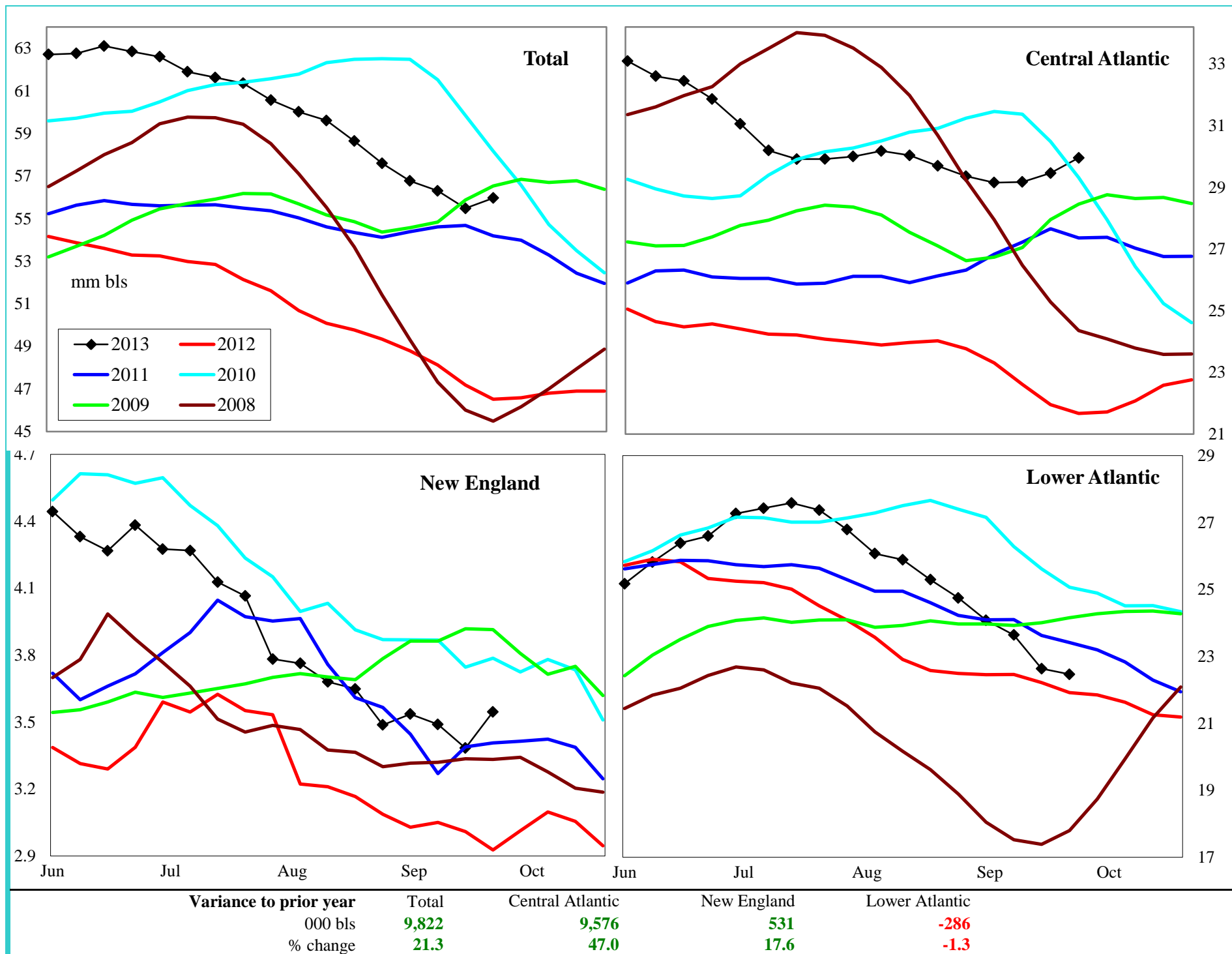
PADD 1 Crude Oil Supply and Refining



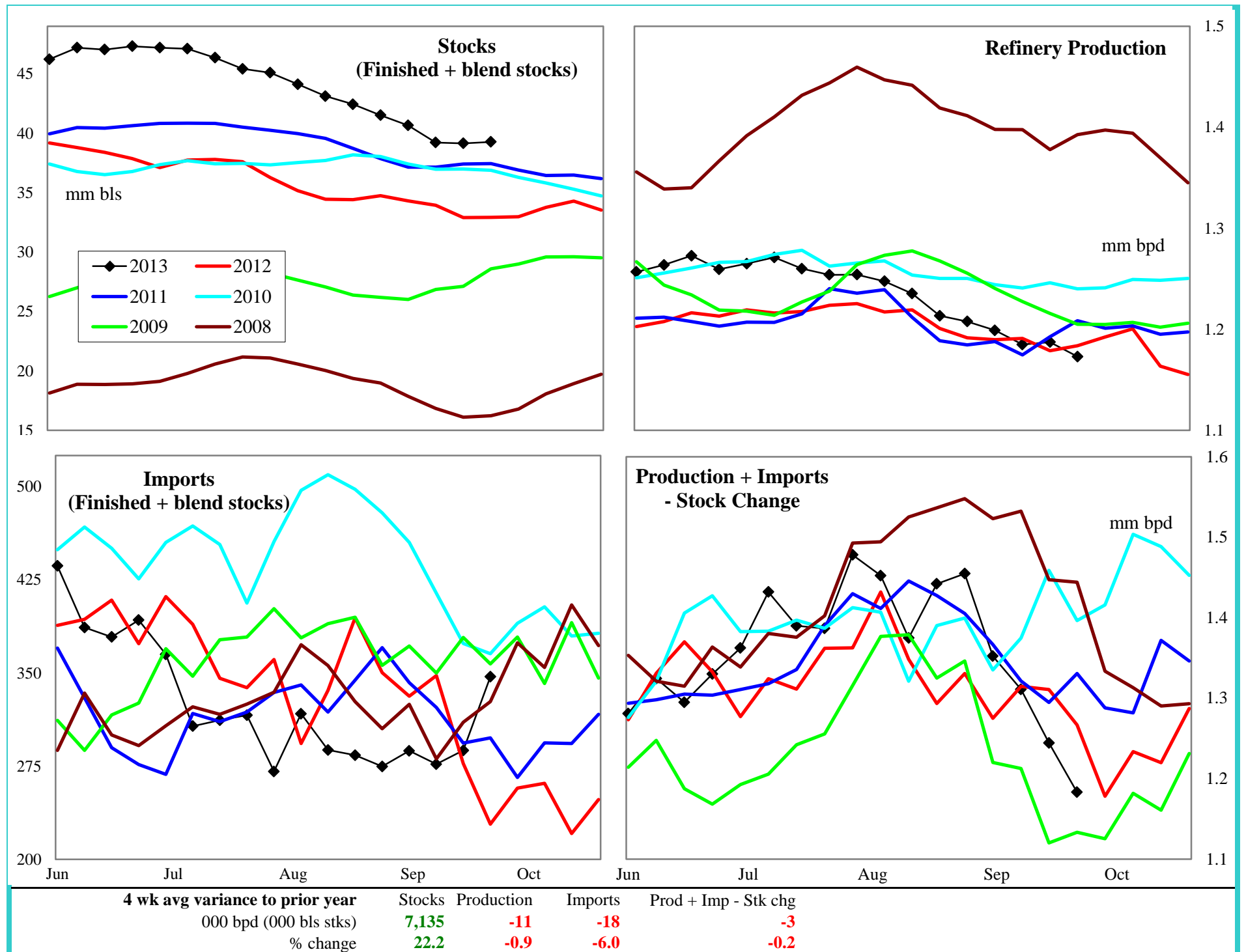
PADD 1 Gasoline Supply



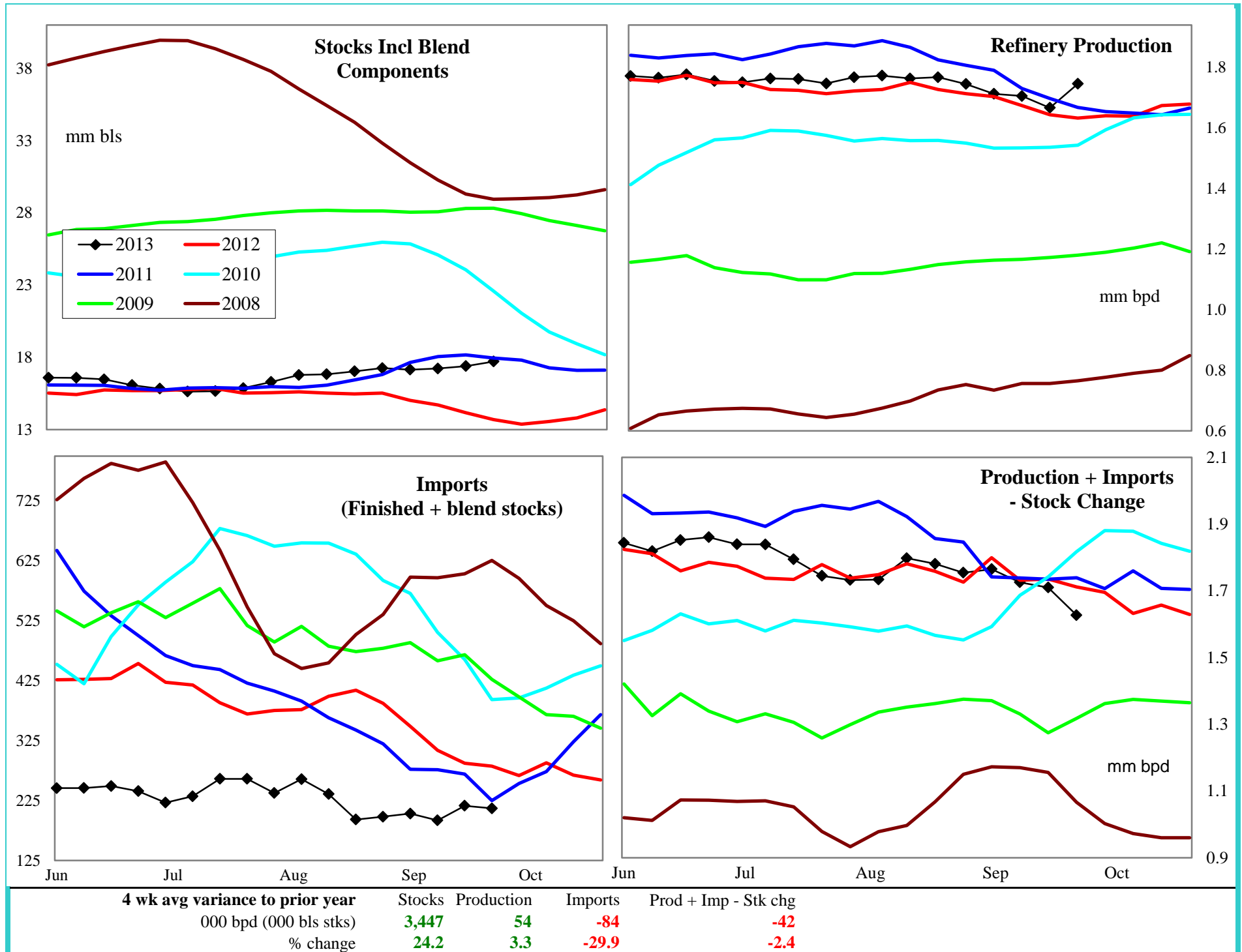
PADD 1 Gasoline Stocks by Region



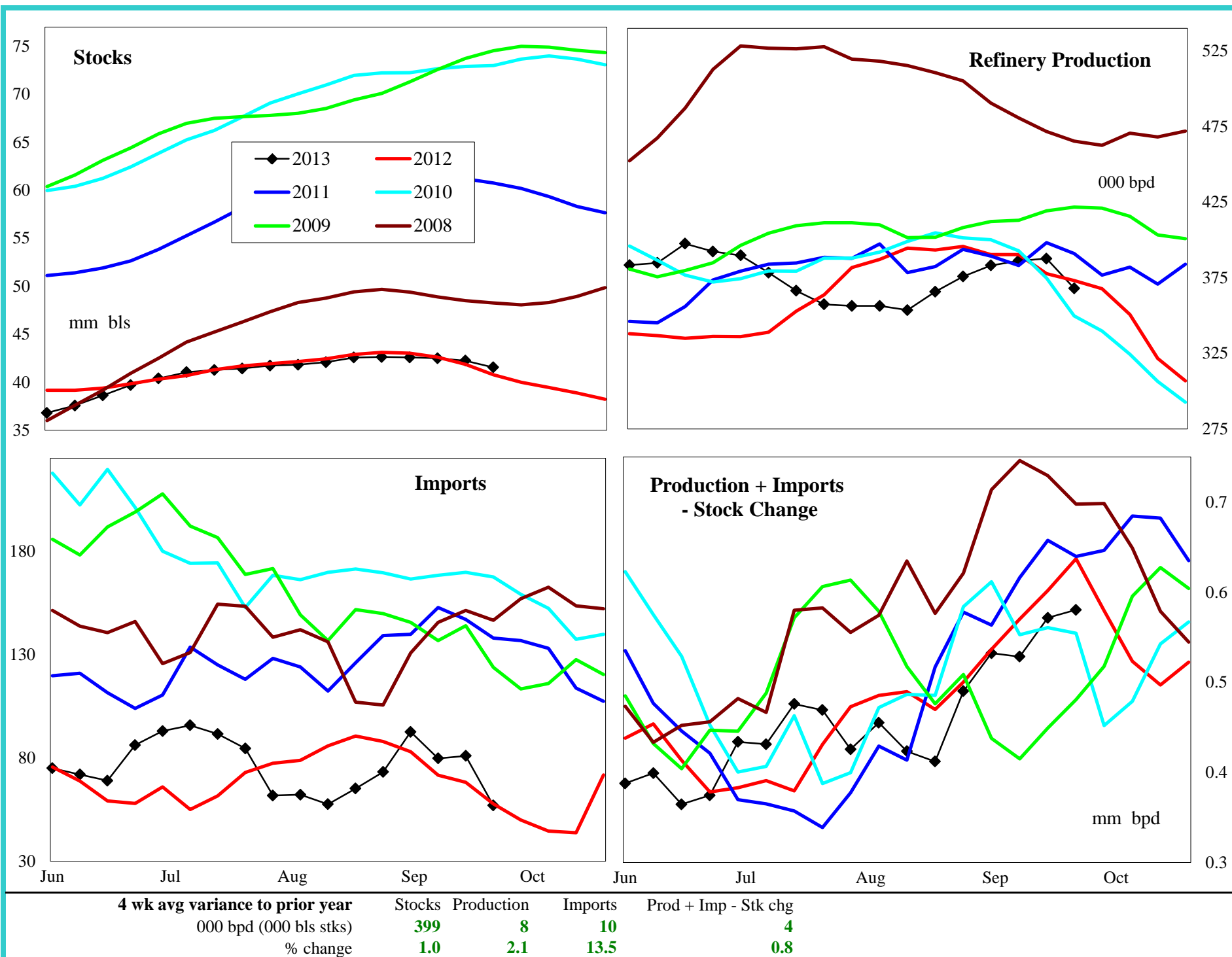
PADD 1 Reformulated Gasoline Supply



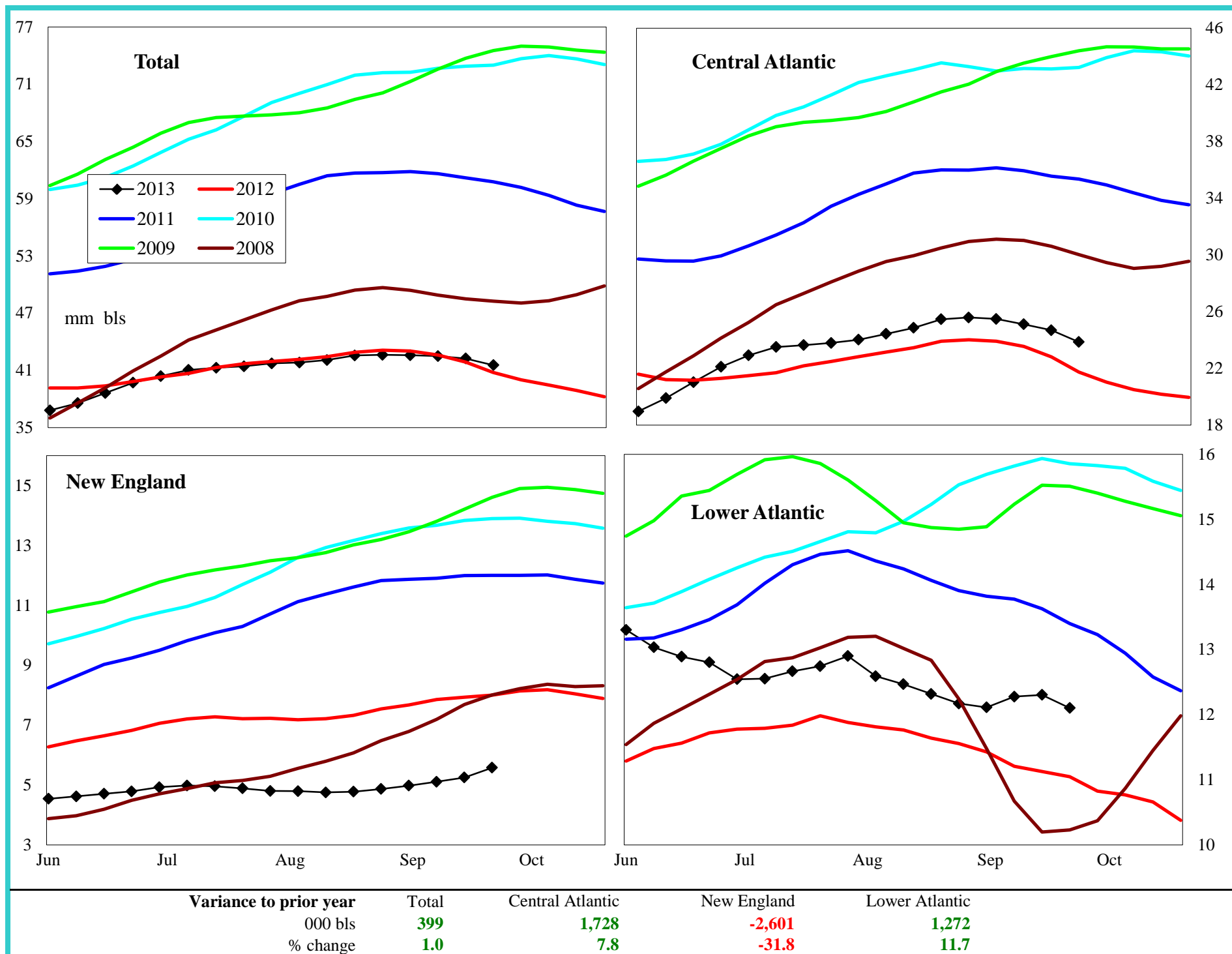
PADD 1 Conventional Gasoline Supply



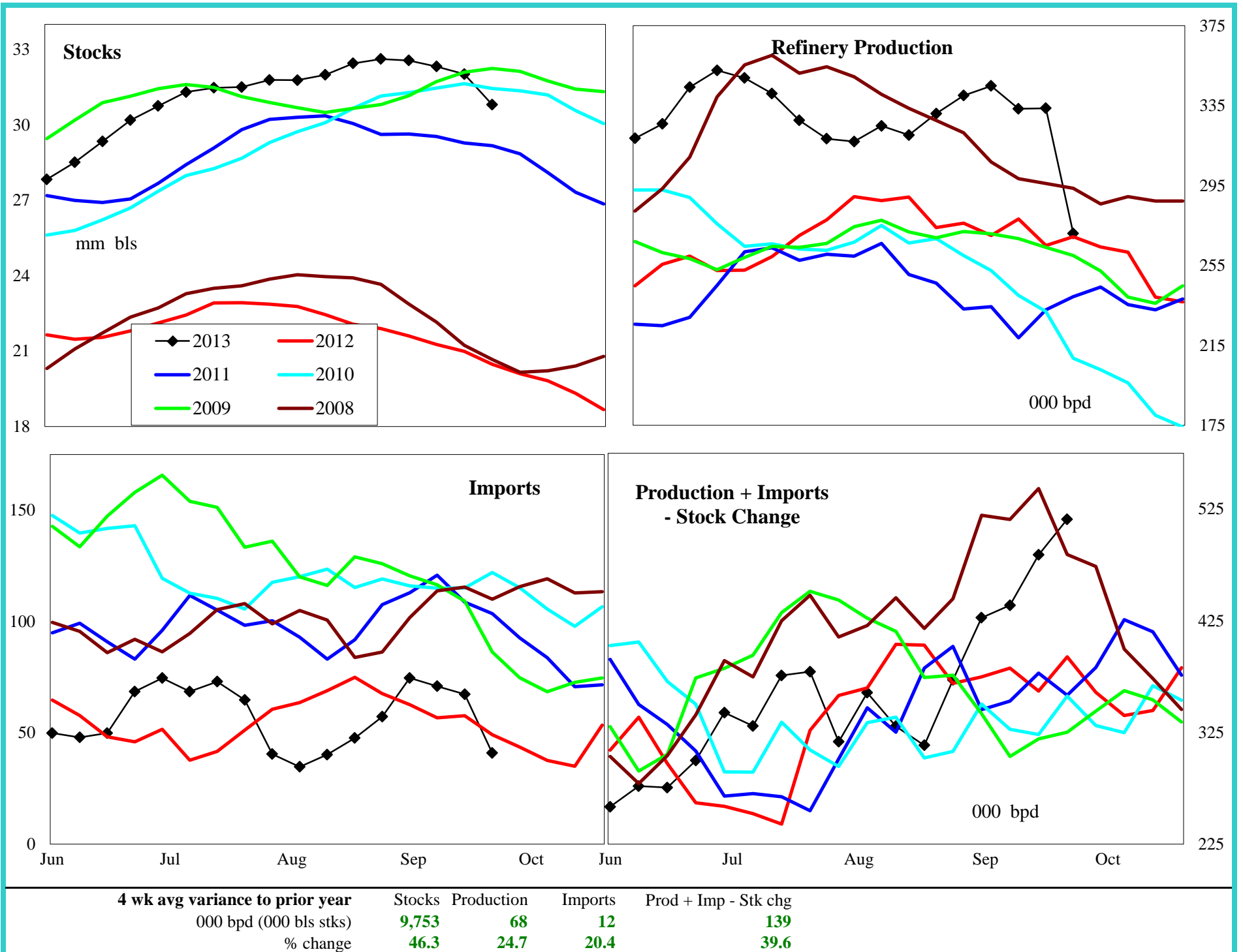
PADD 1 Distillate Supply



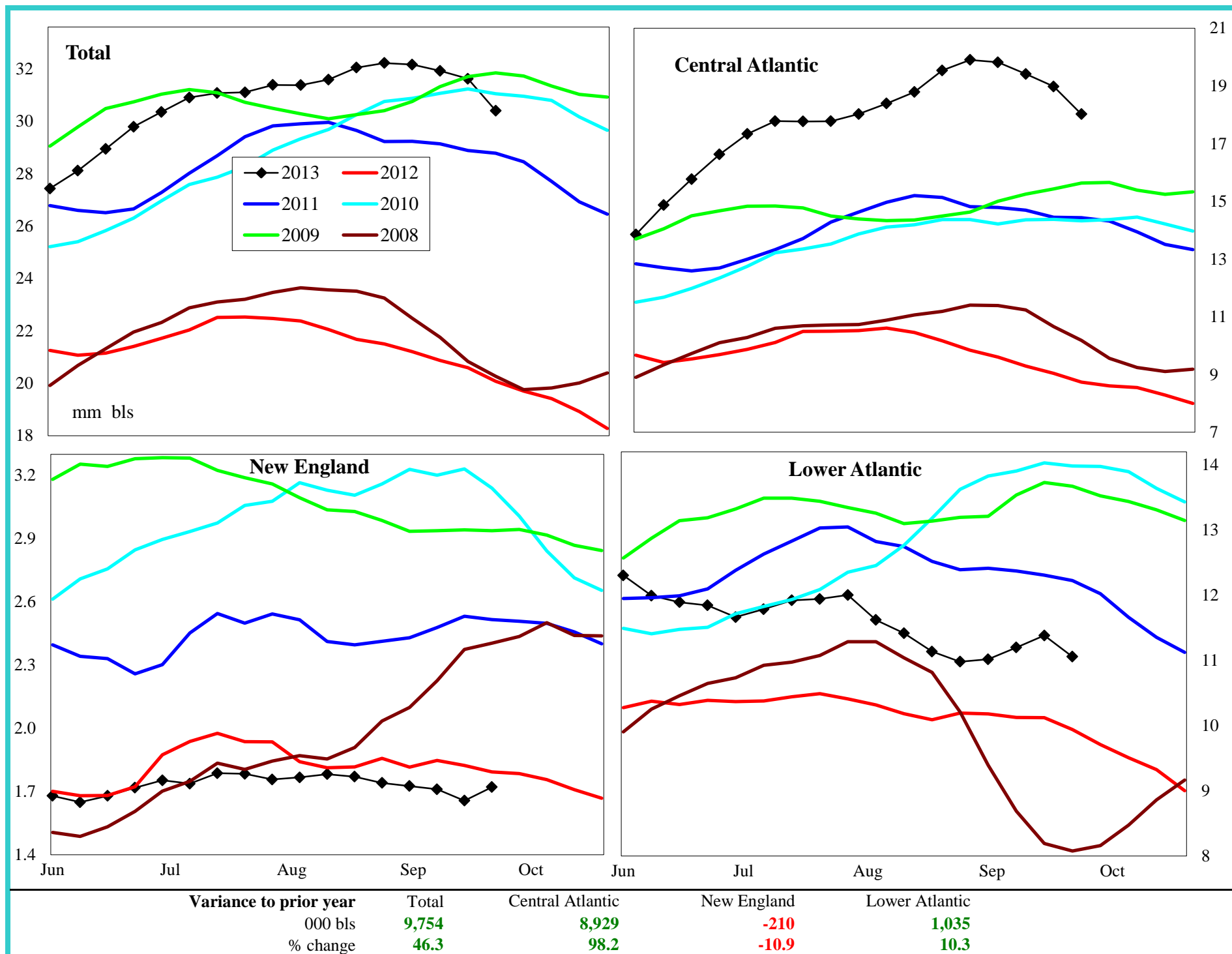
PADD 1 Distillate Stocks by Region



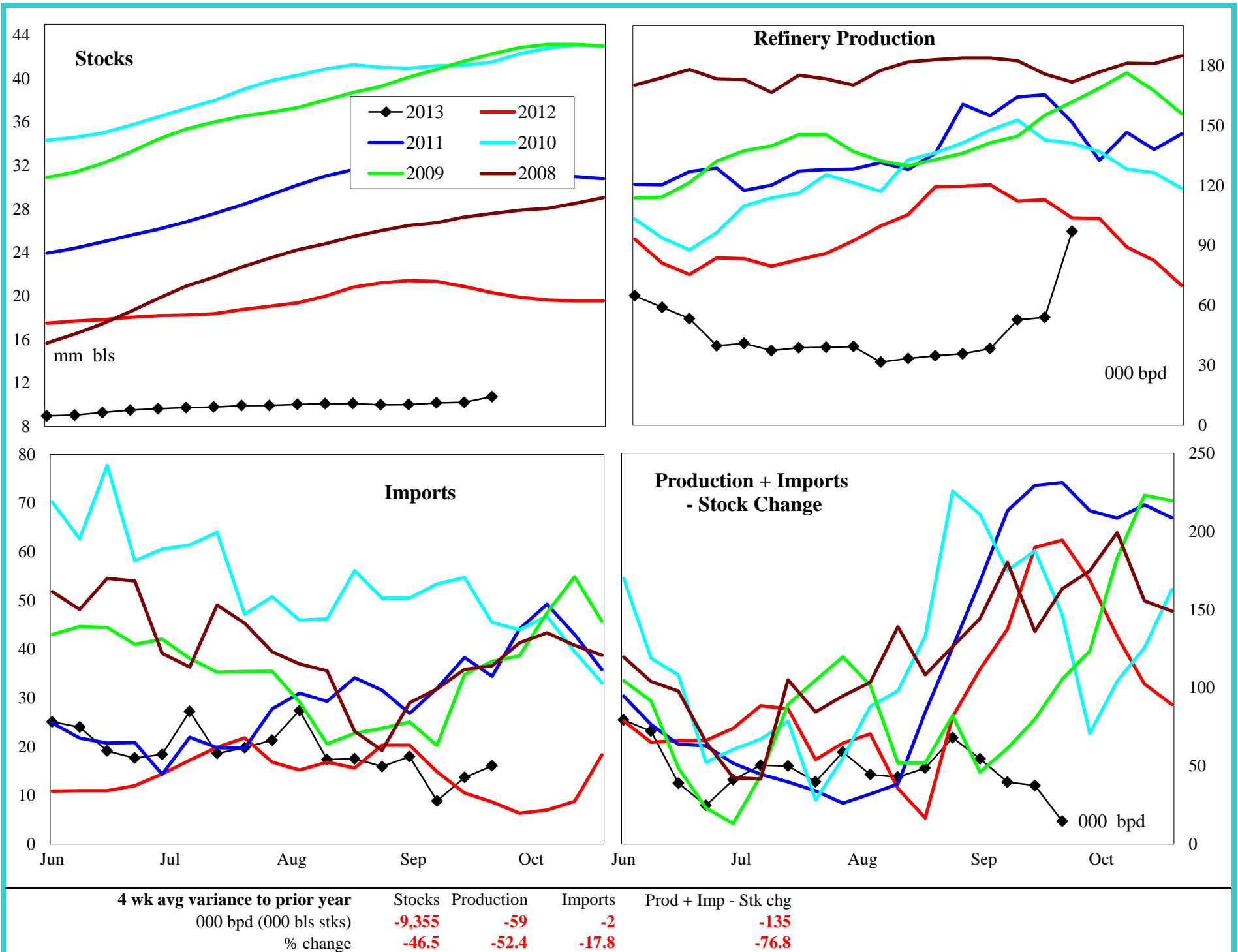
PADD 1 Low Sulfur Distillate Supply



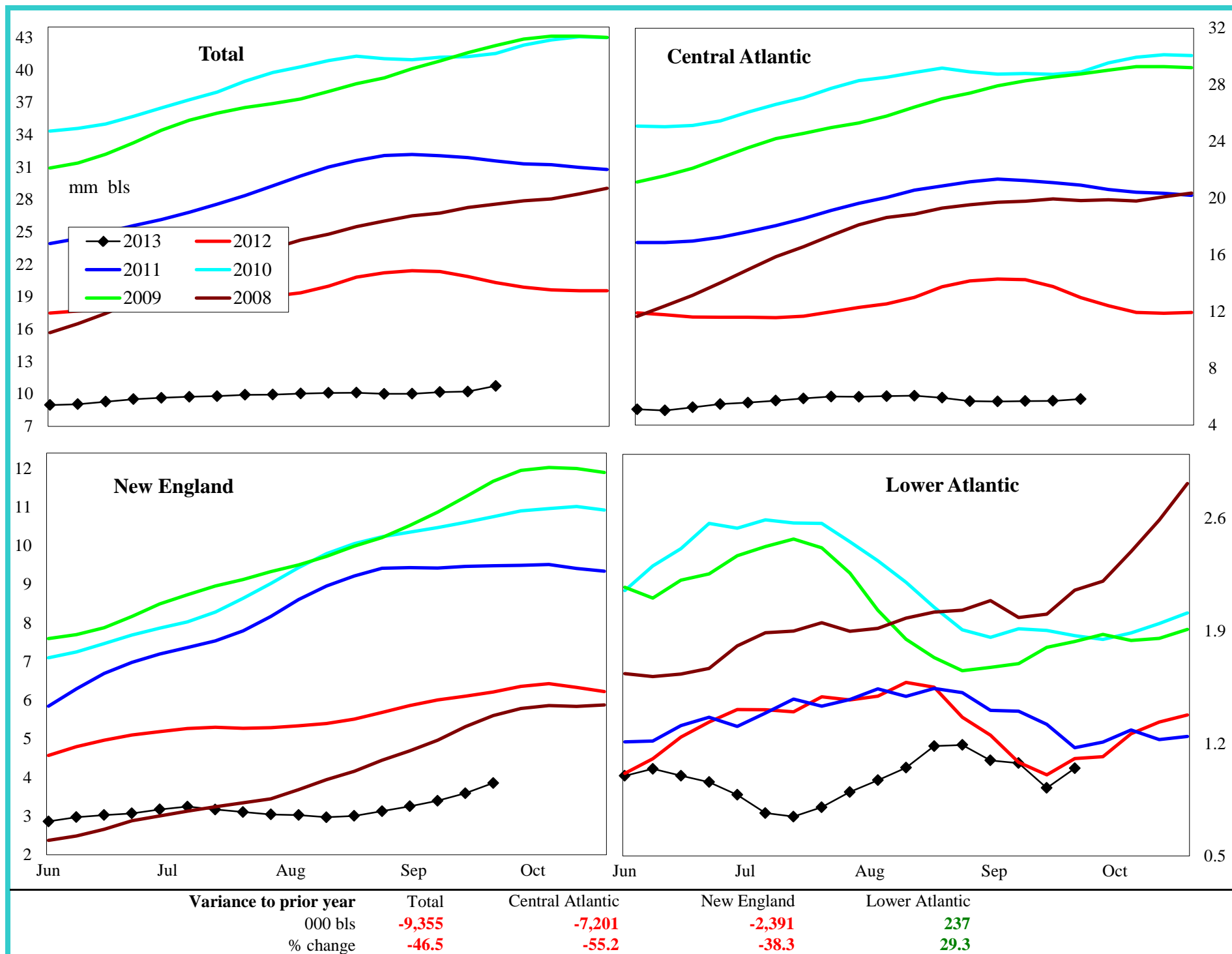
PADD 1 Low Sulfur Distillate Stocks by Region



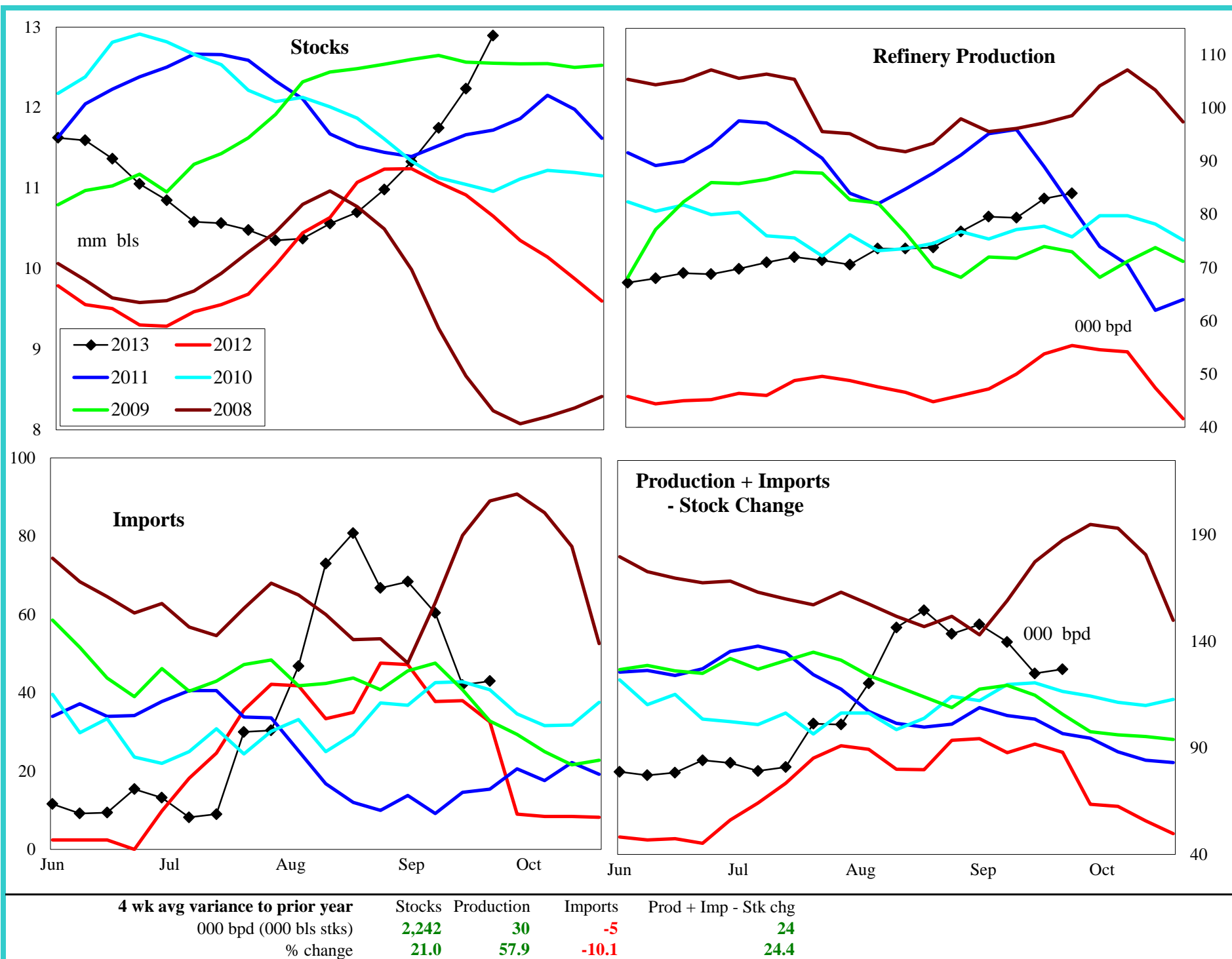
PADD 1 High Sulfur Distillate Supply



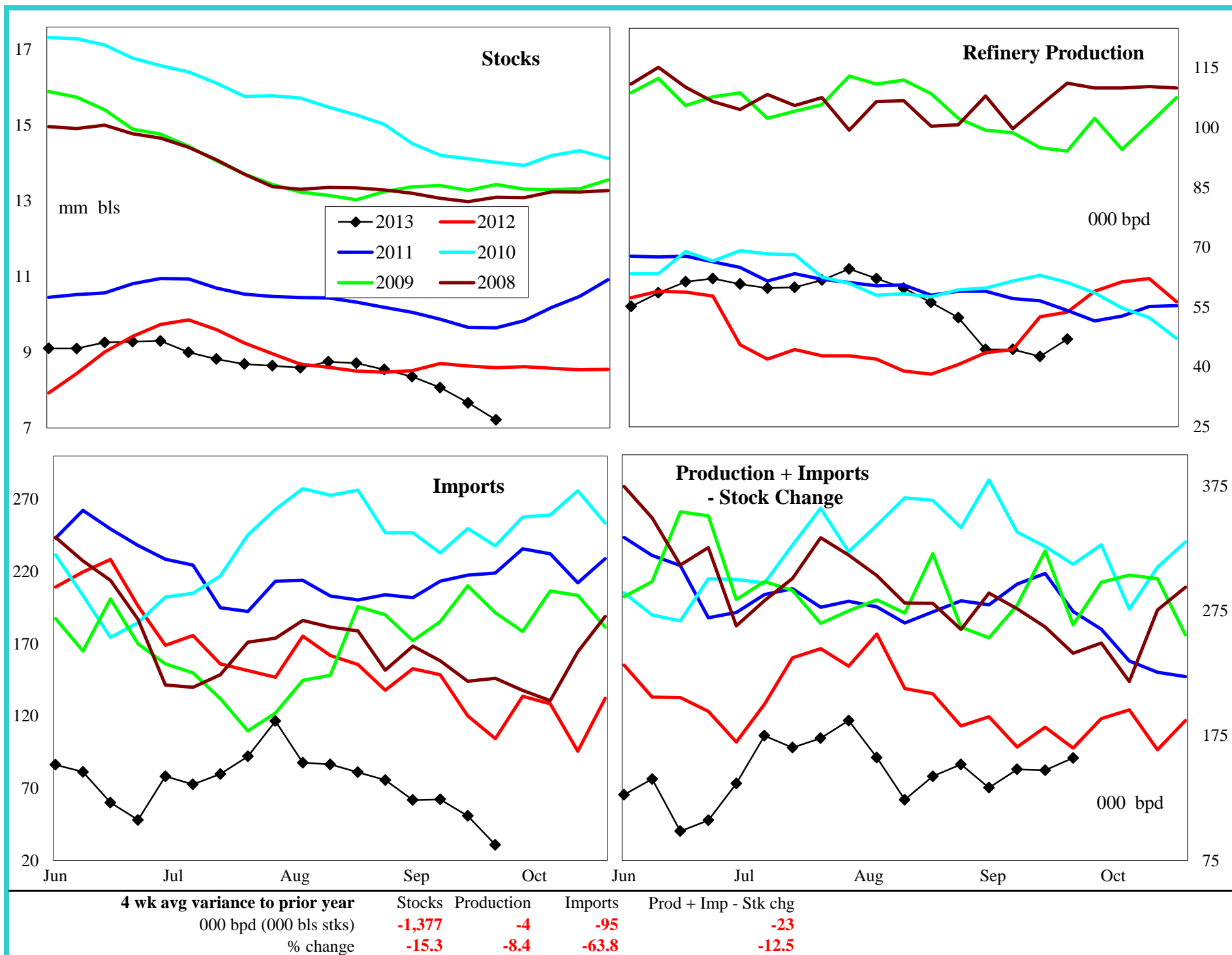
PADD 1 High Sulfur Distillate Stocks by Region



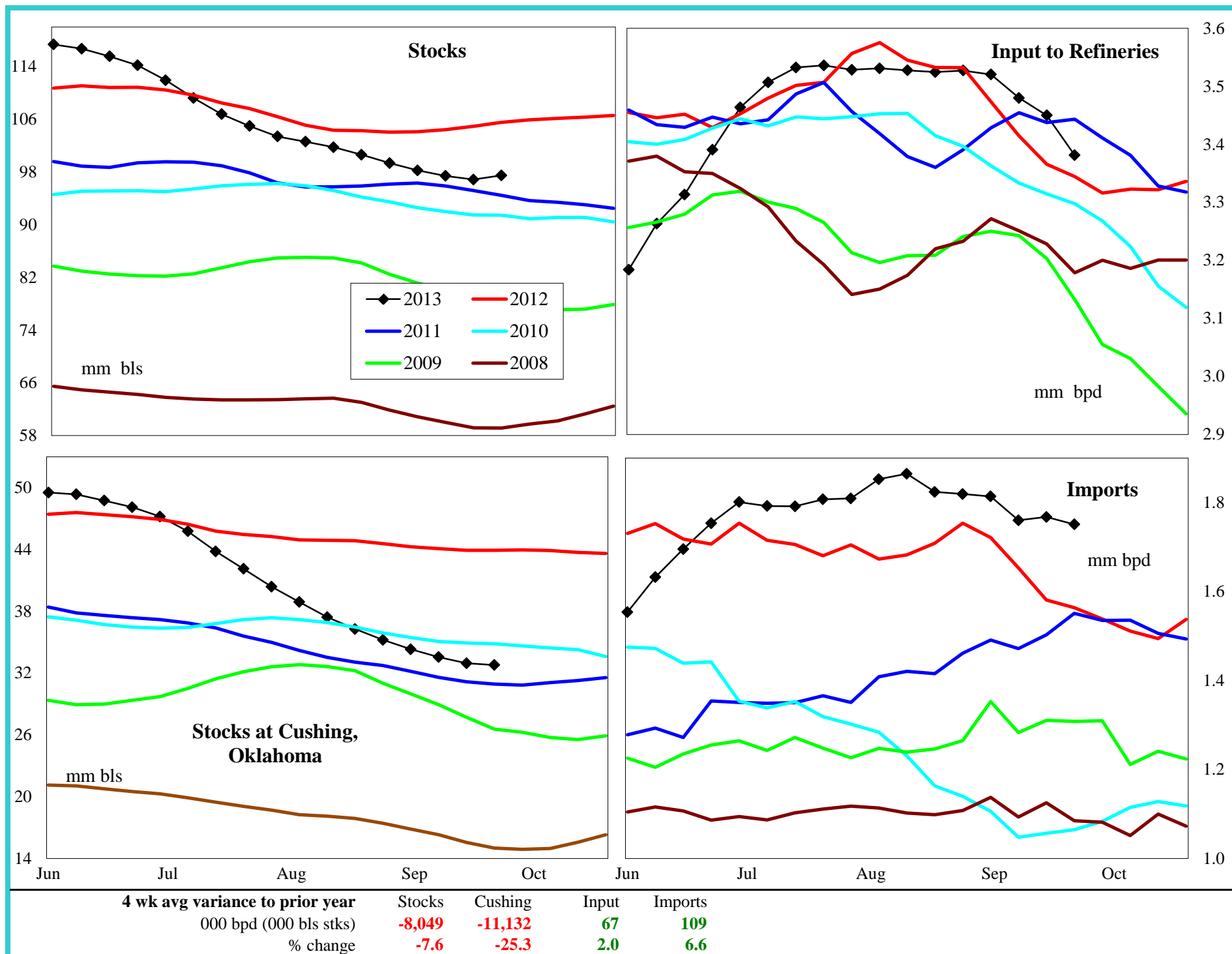
PADD 1 Jet Fuel Supply



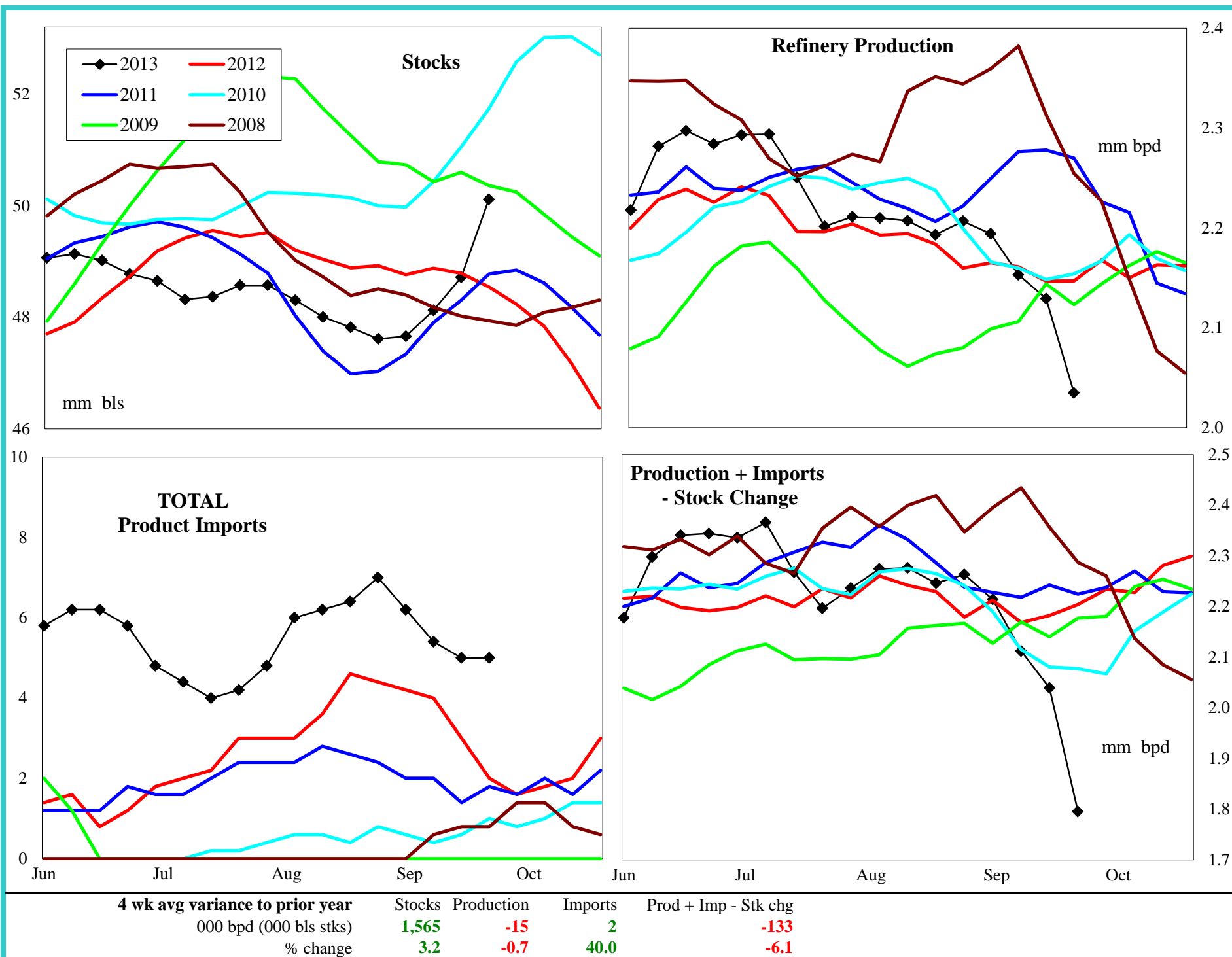
PADD 1 Residual Fuel Oil Supply



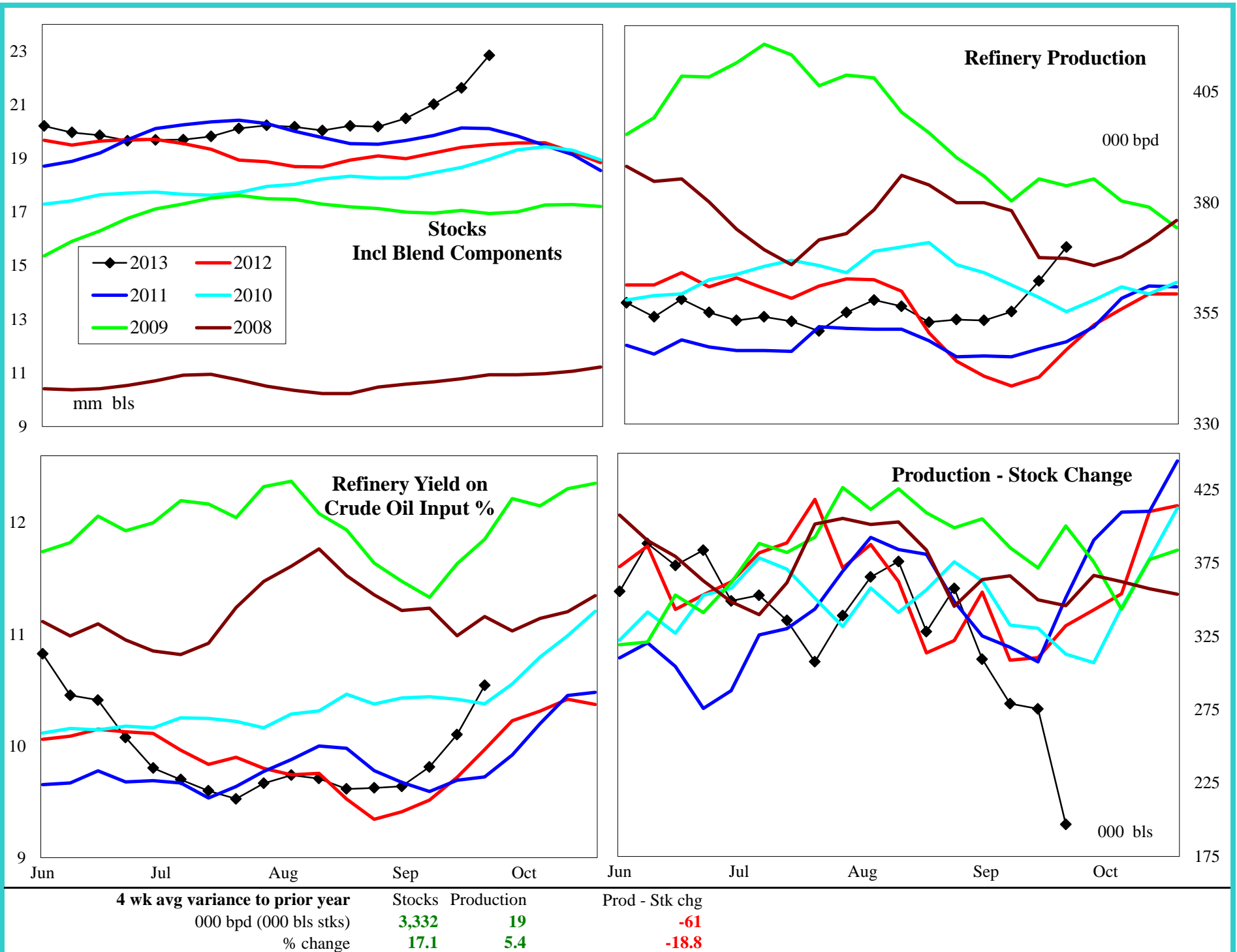
PADD 2 Crude Oil Supply and Refining



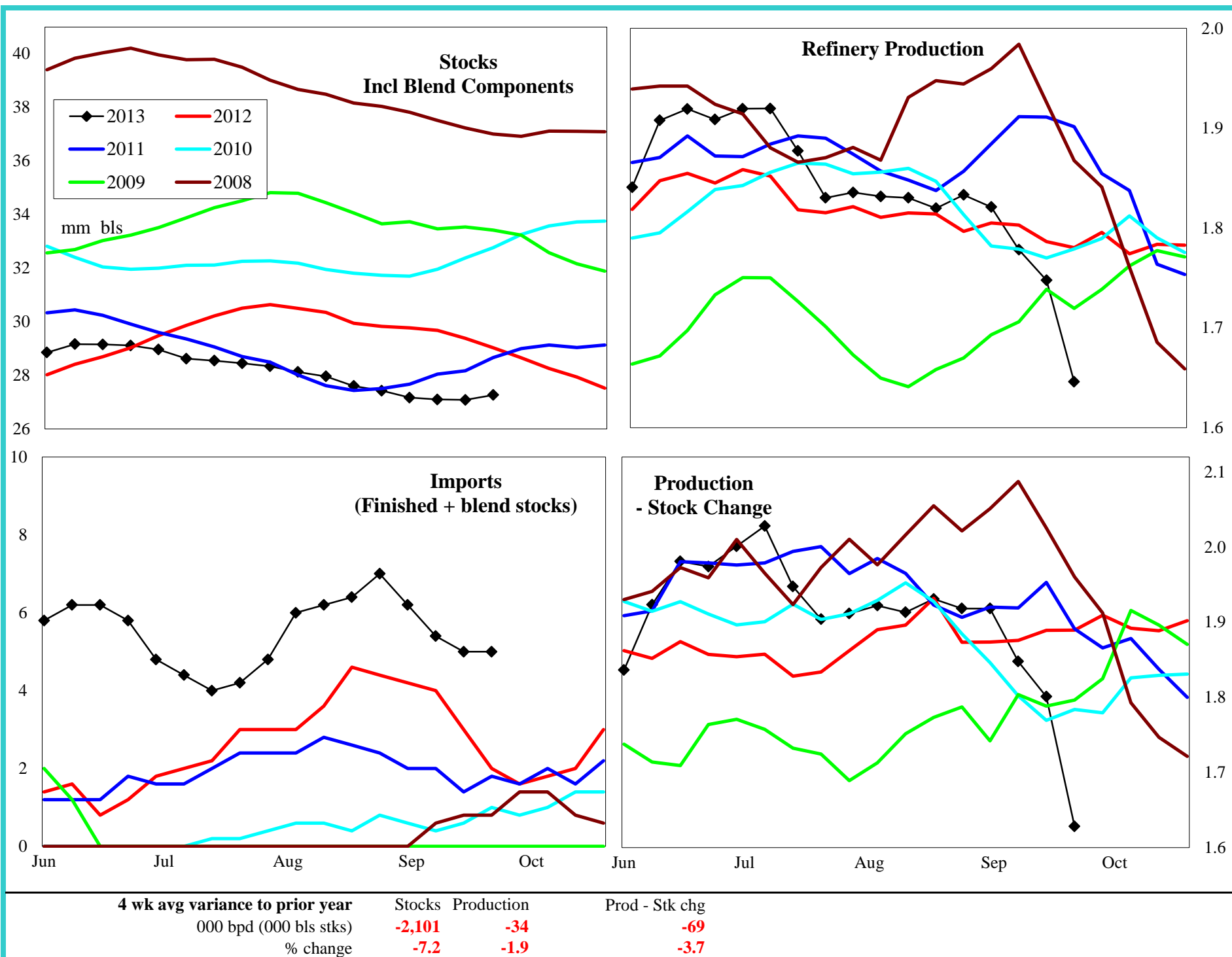
PADD 2 Gasoline Supply



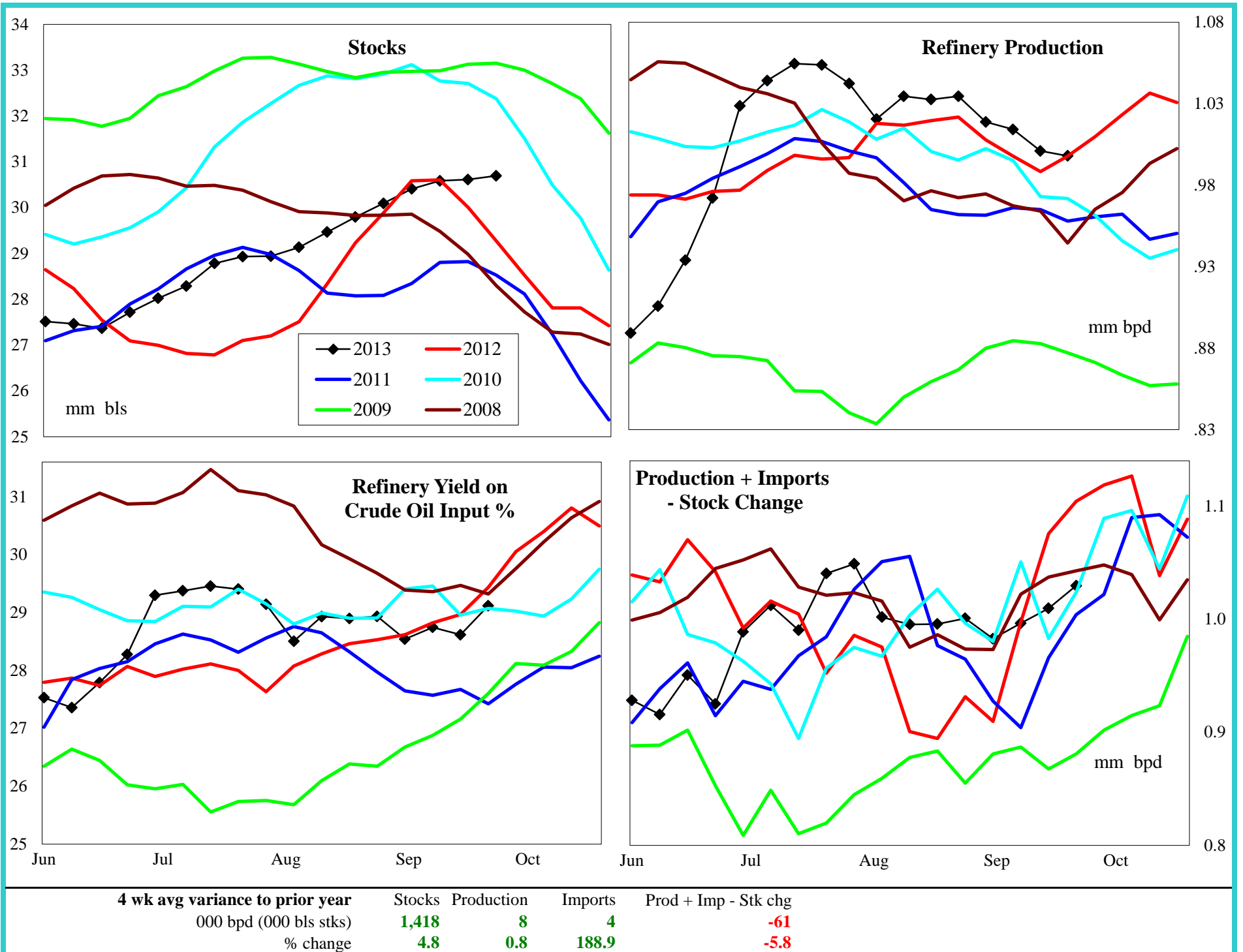
PADD 2 Reformulated Gasoline Supply



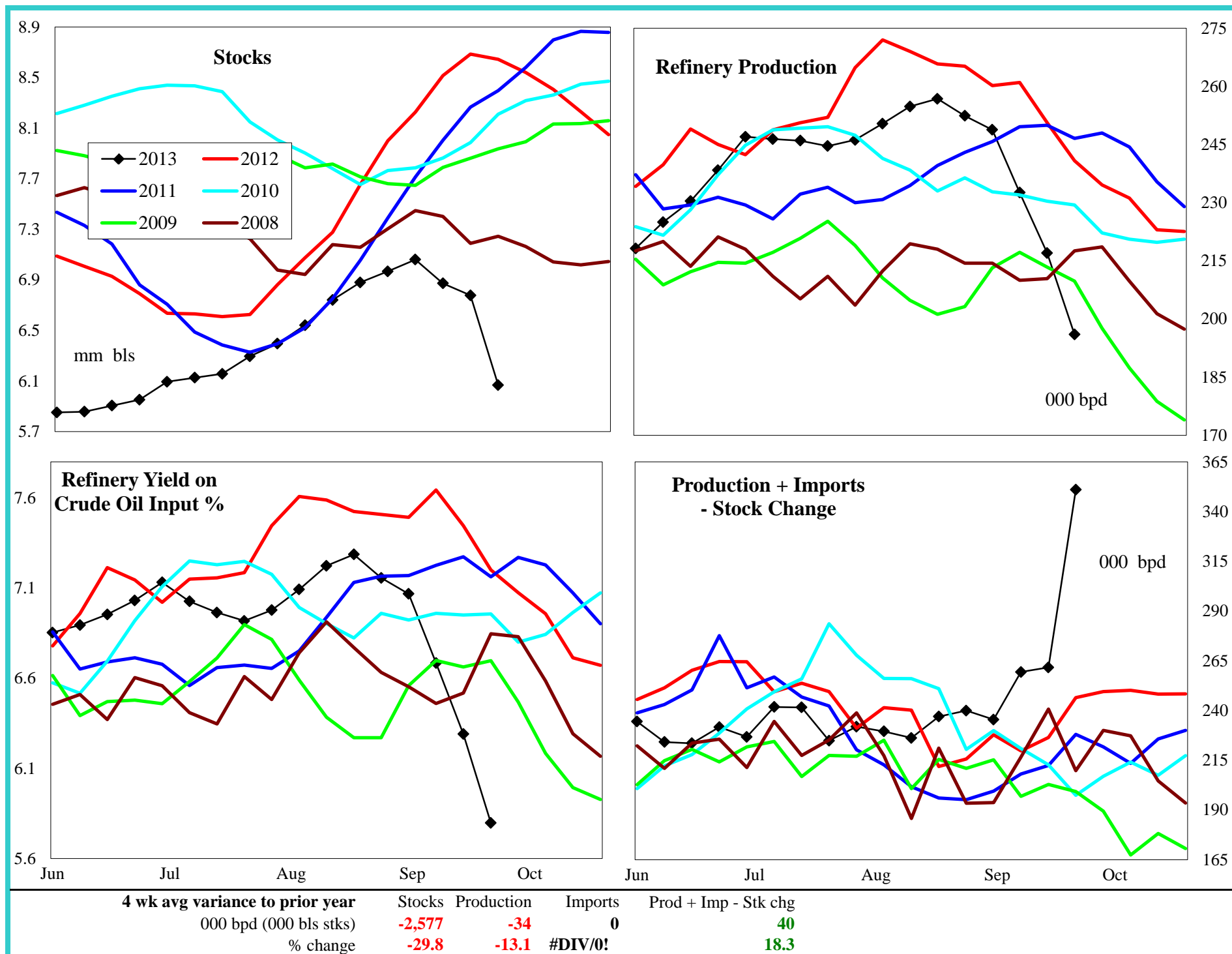
PADD 2 Conventional Gasoline Supply



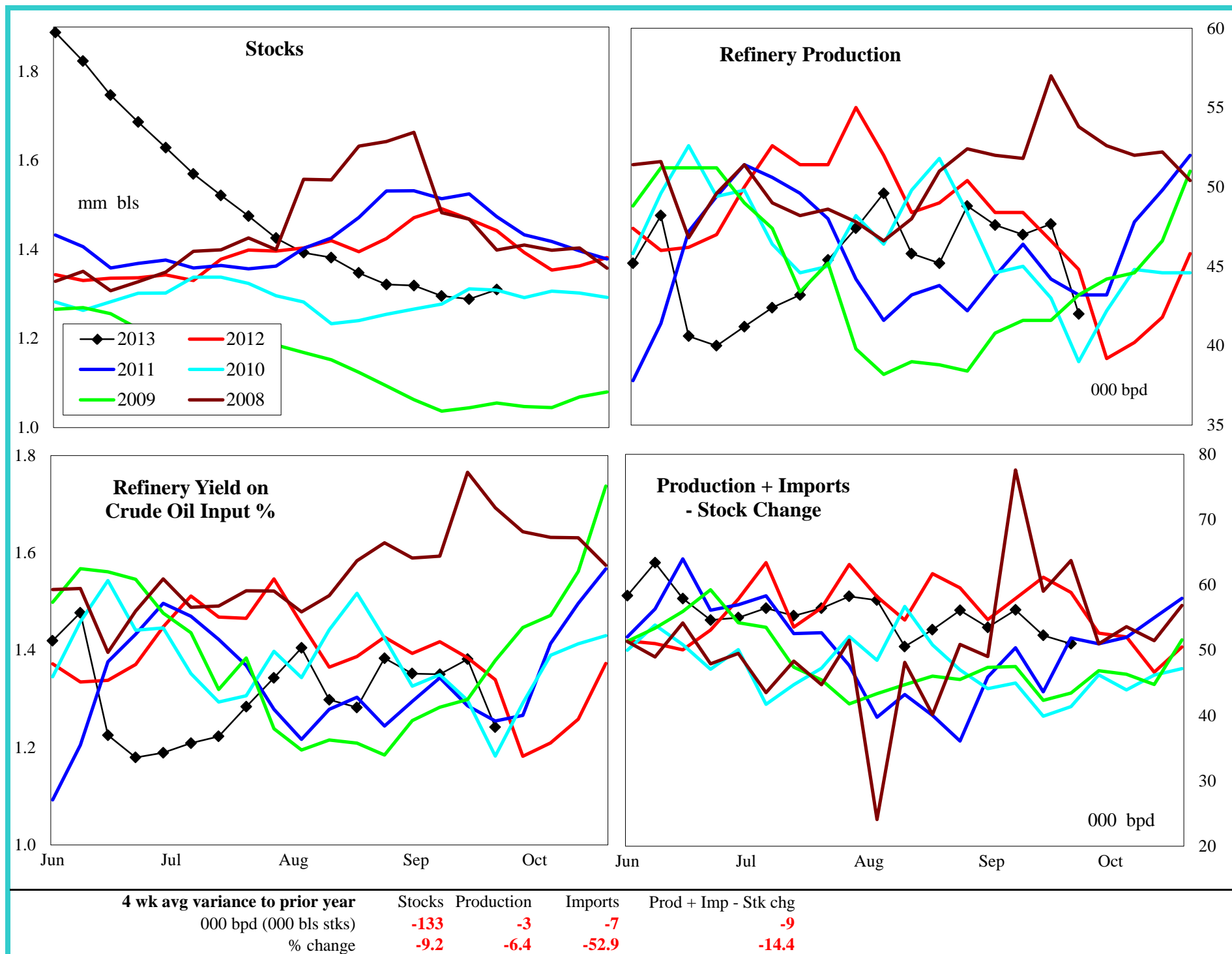
PADD 2 Distillate Supply



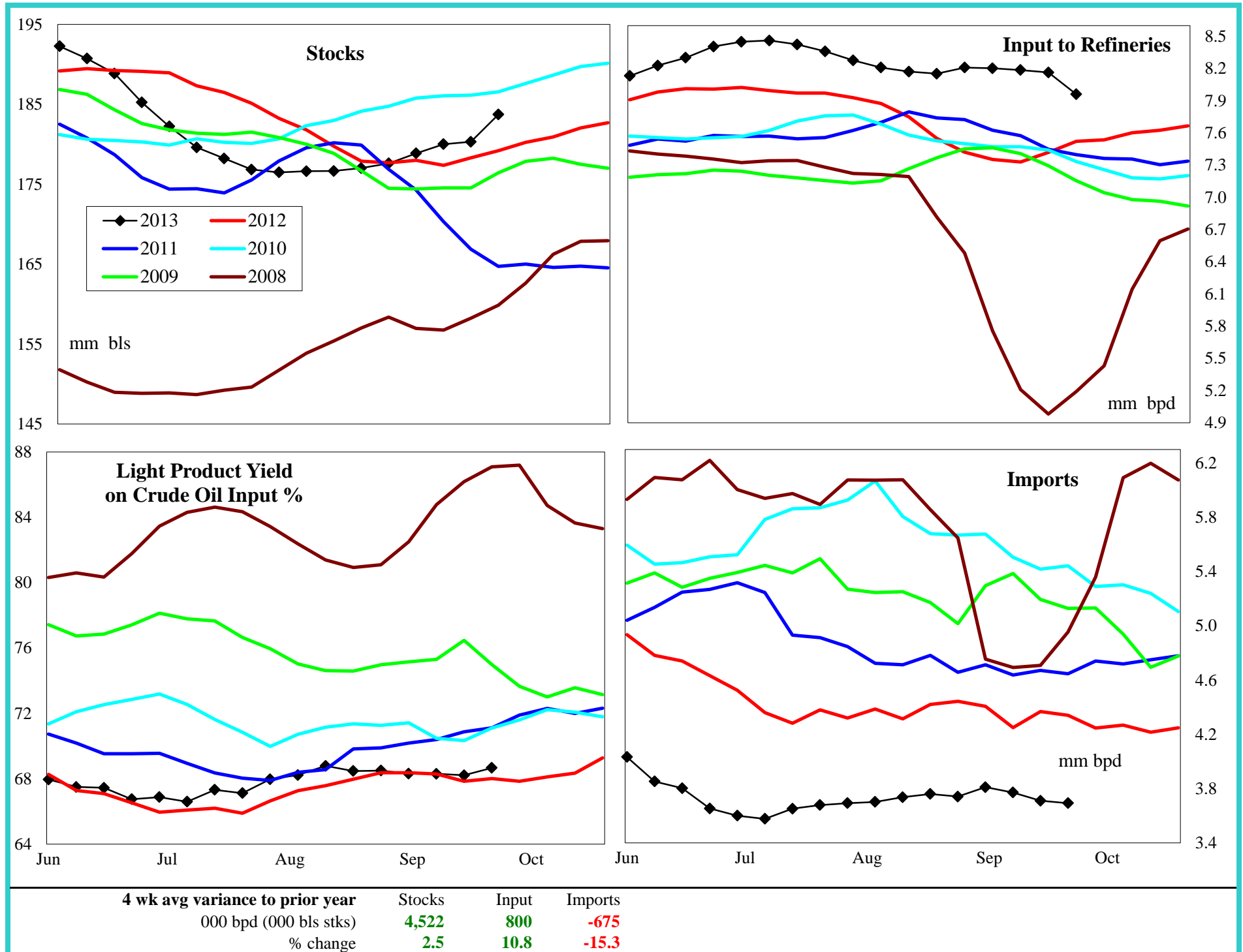
PADD 2 Jet Fuel Supply



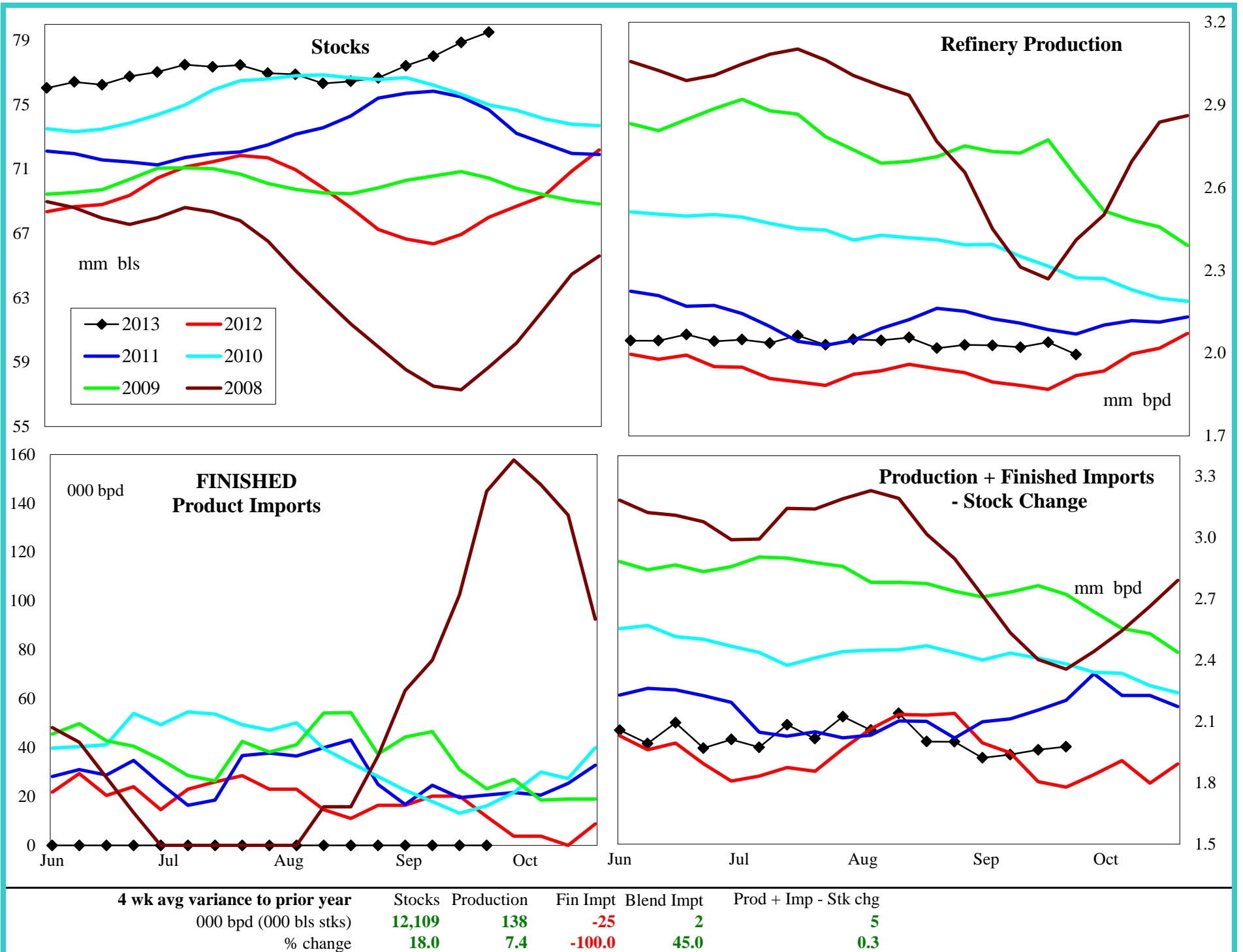
PADD 2 Residual Fuel Oil Supply



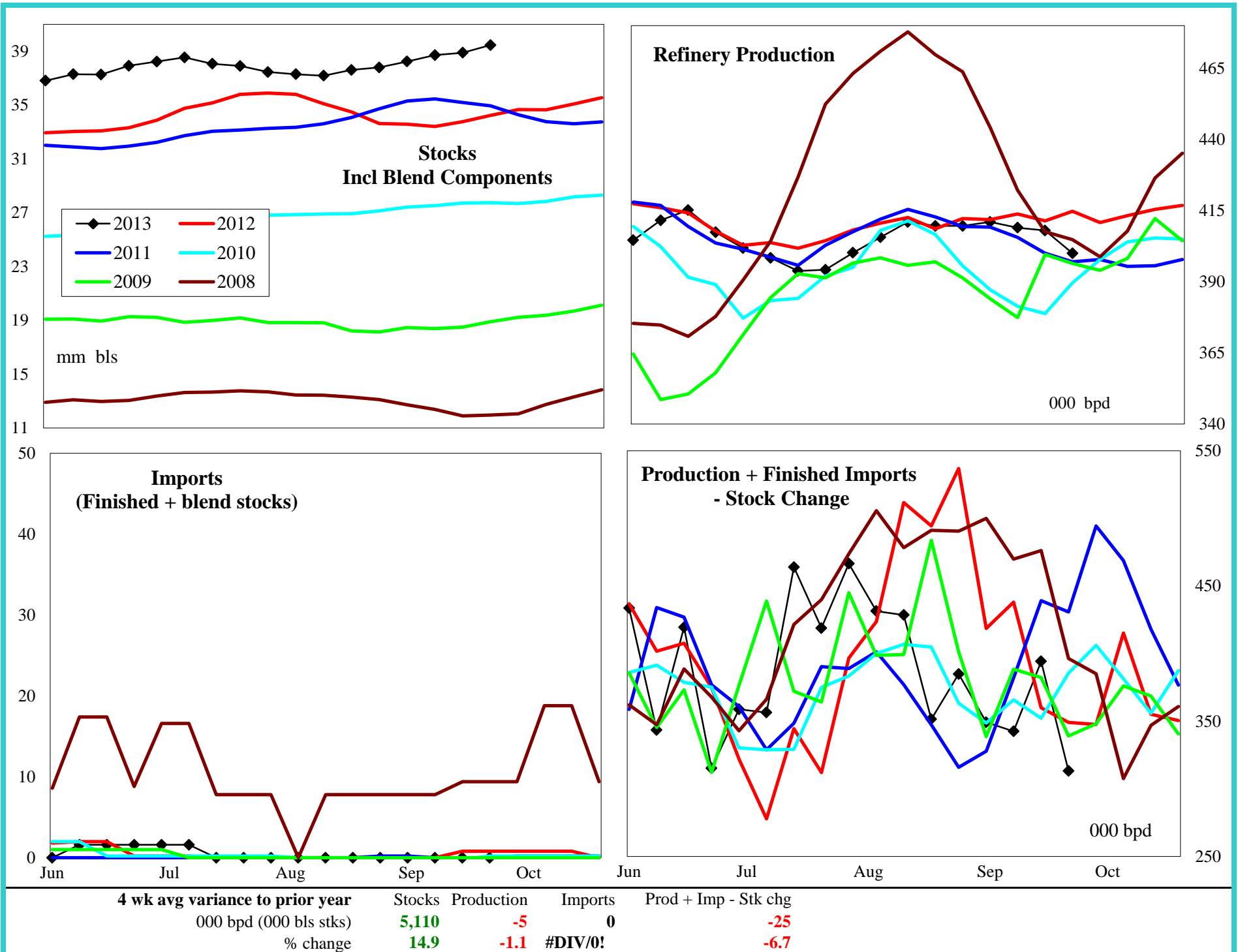
PADD 3 Crude Oil Supply and Refining



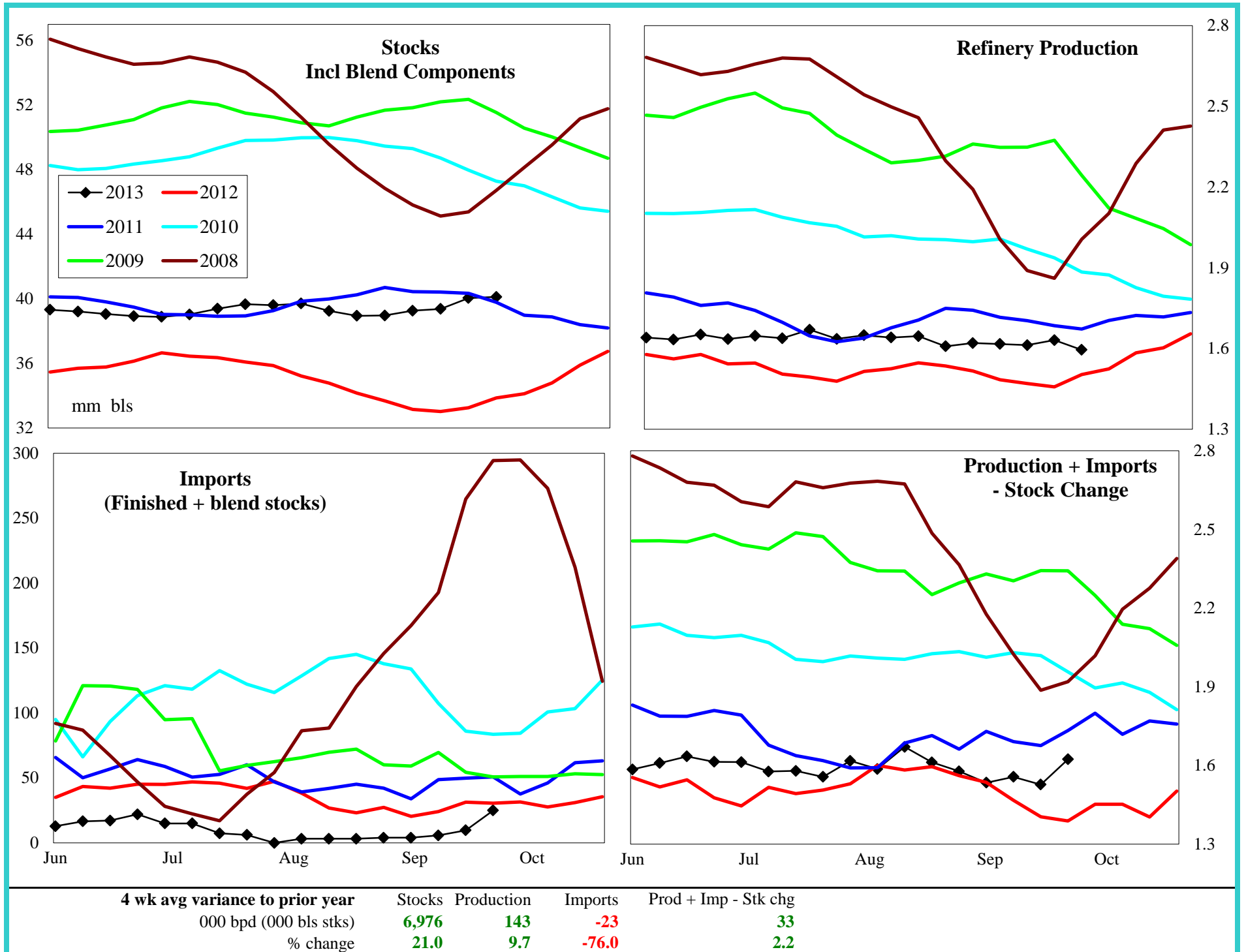
PADD 3 Gasoline Supply



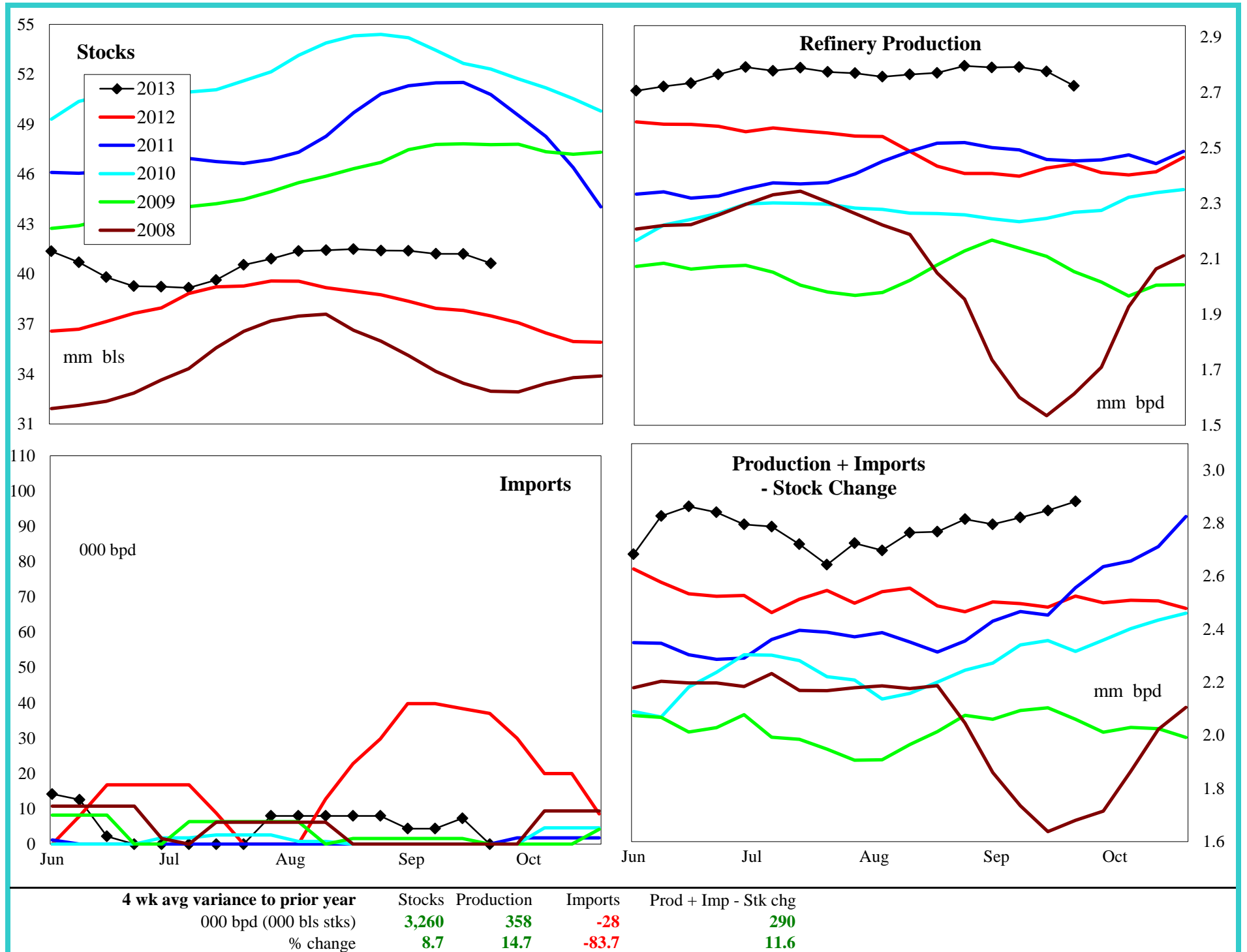
PADD 3 Reformulated Gasoline Supply



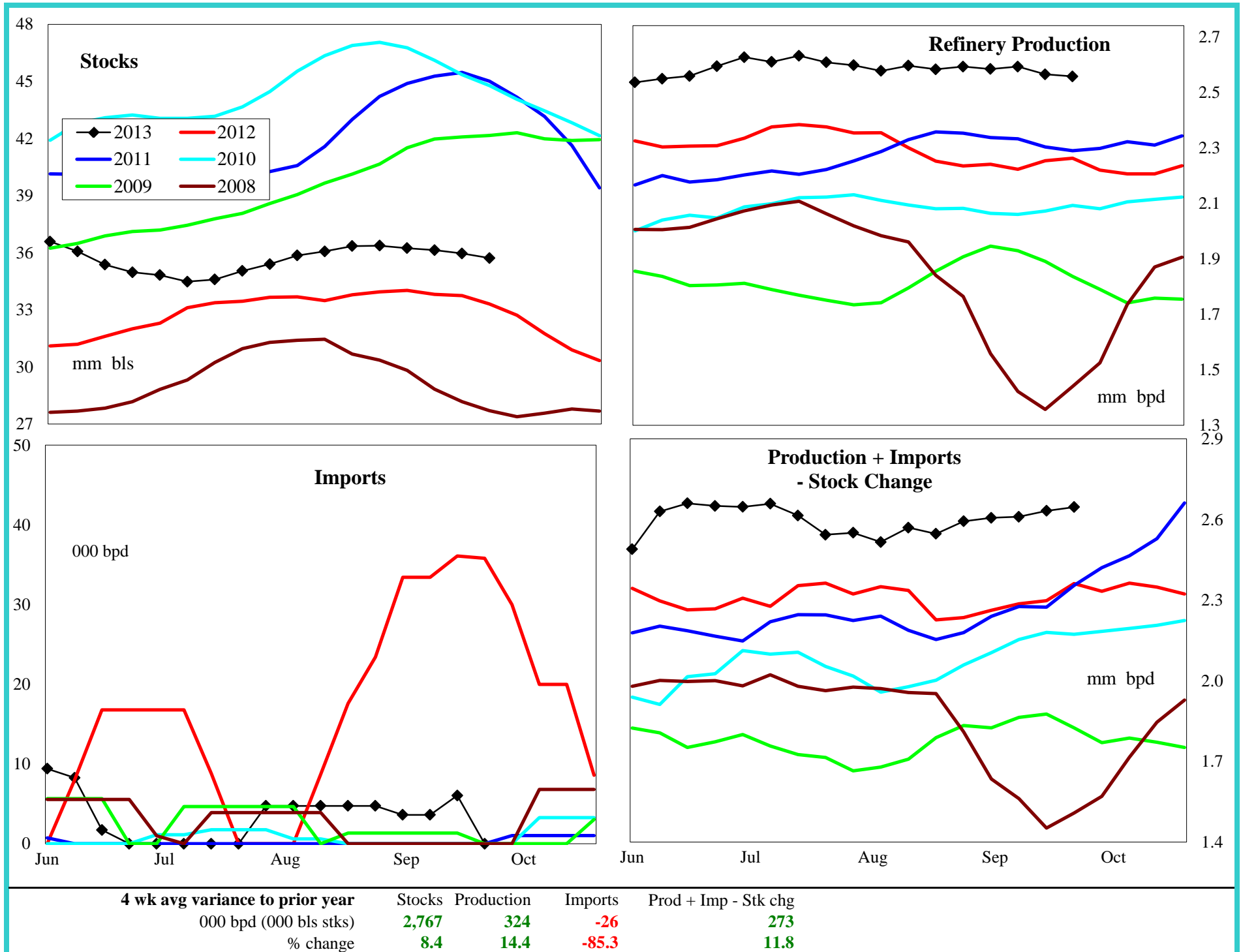
PADD 3 Conventional Gasoline Supply



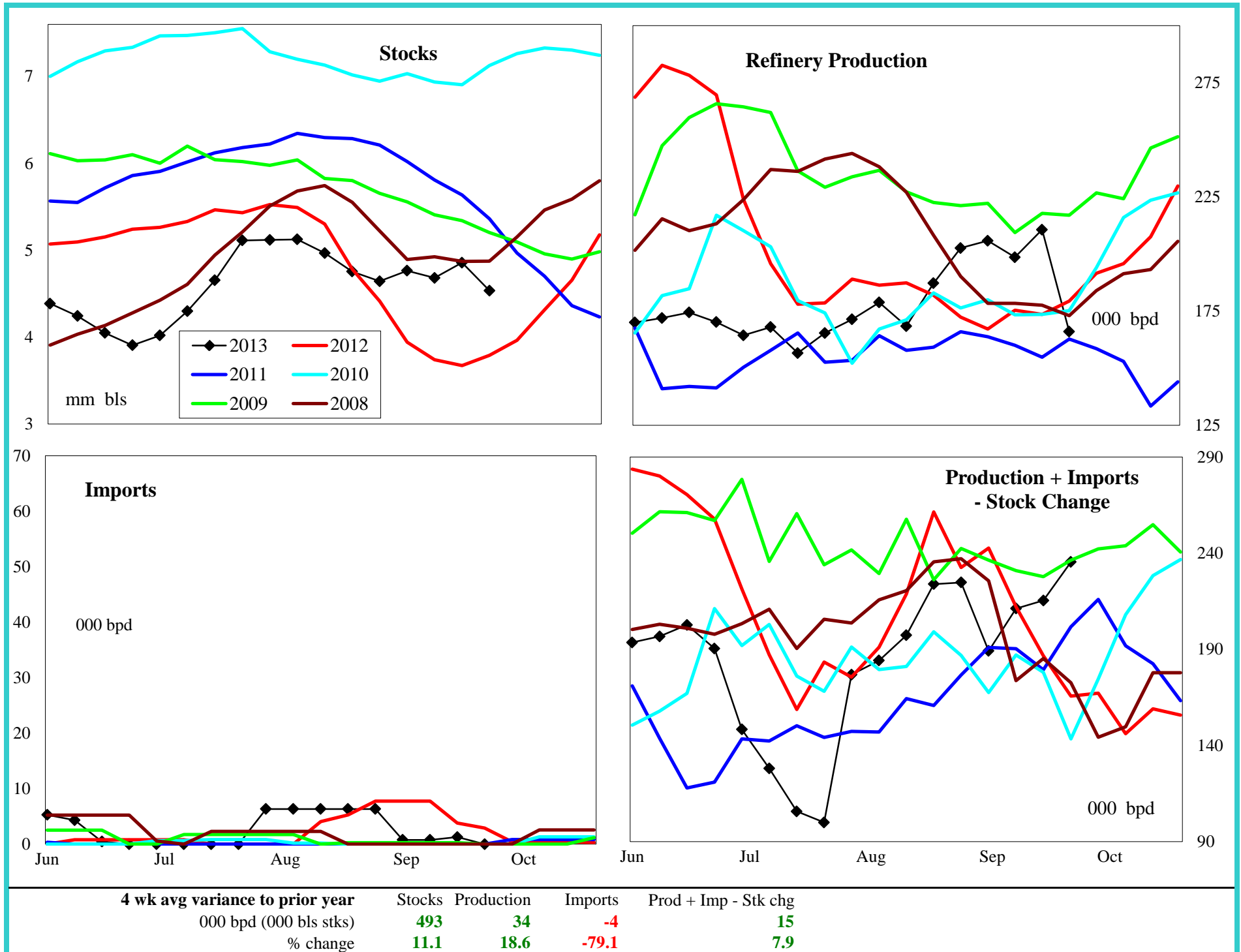
PADD 3 Distillate Supply



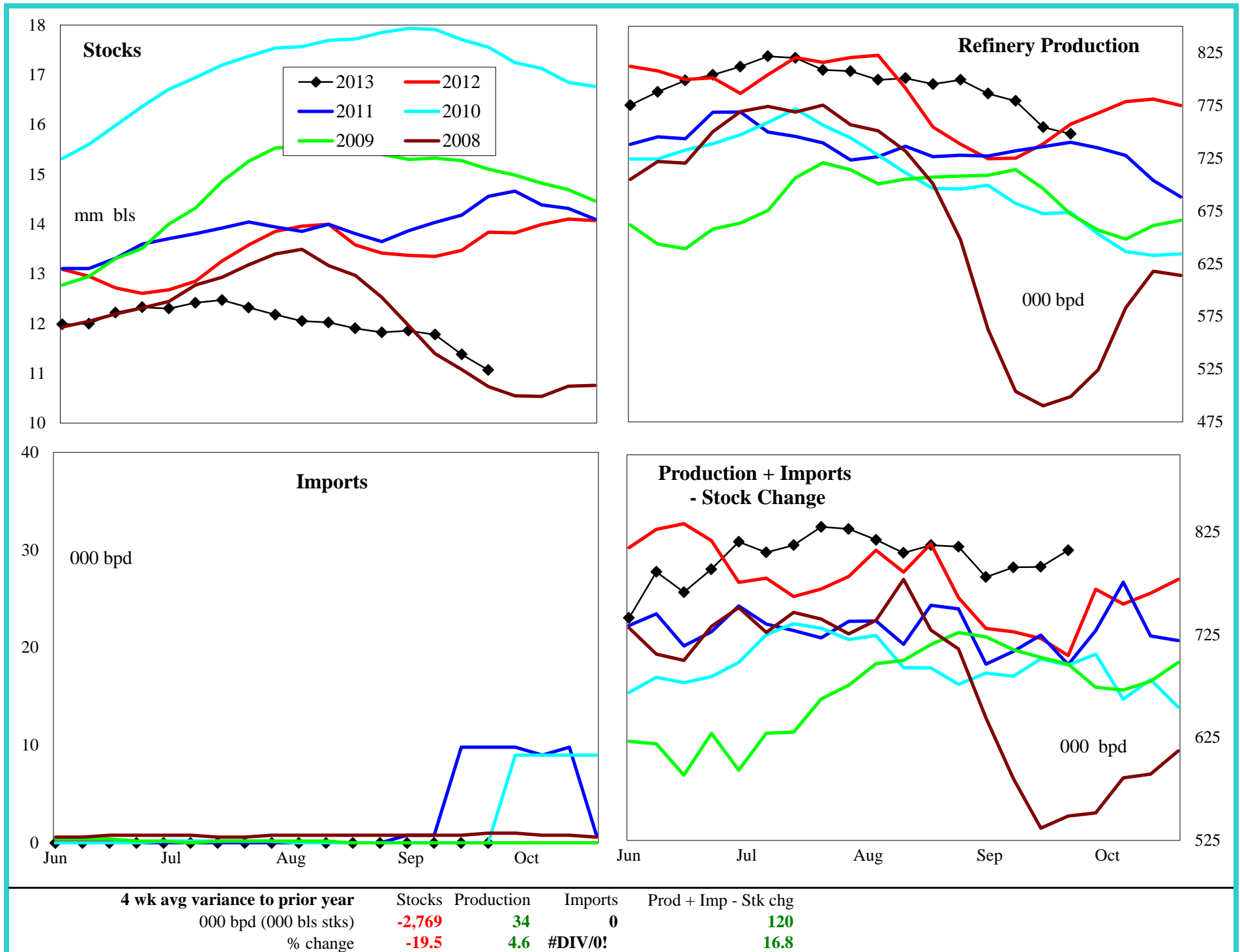
PADD 3 Low Sulfur Distillate Supply



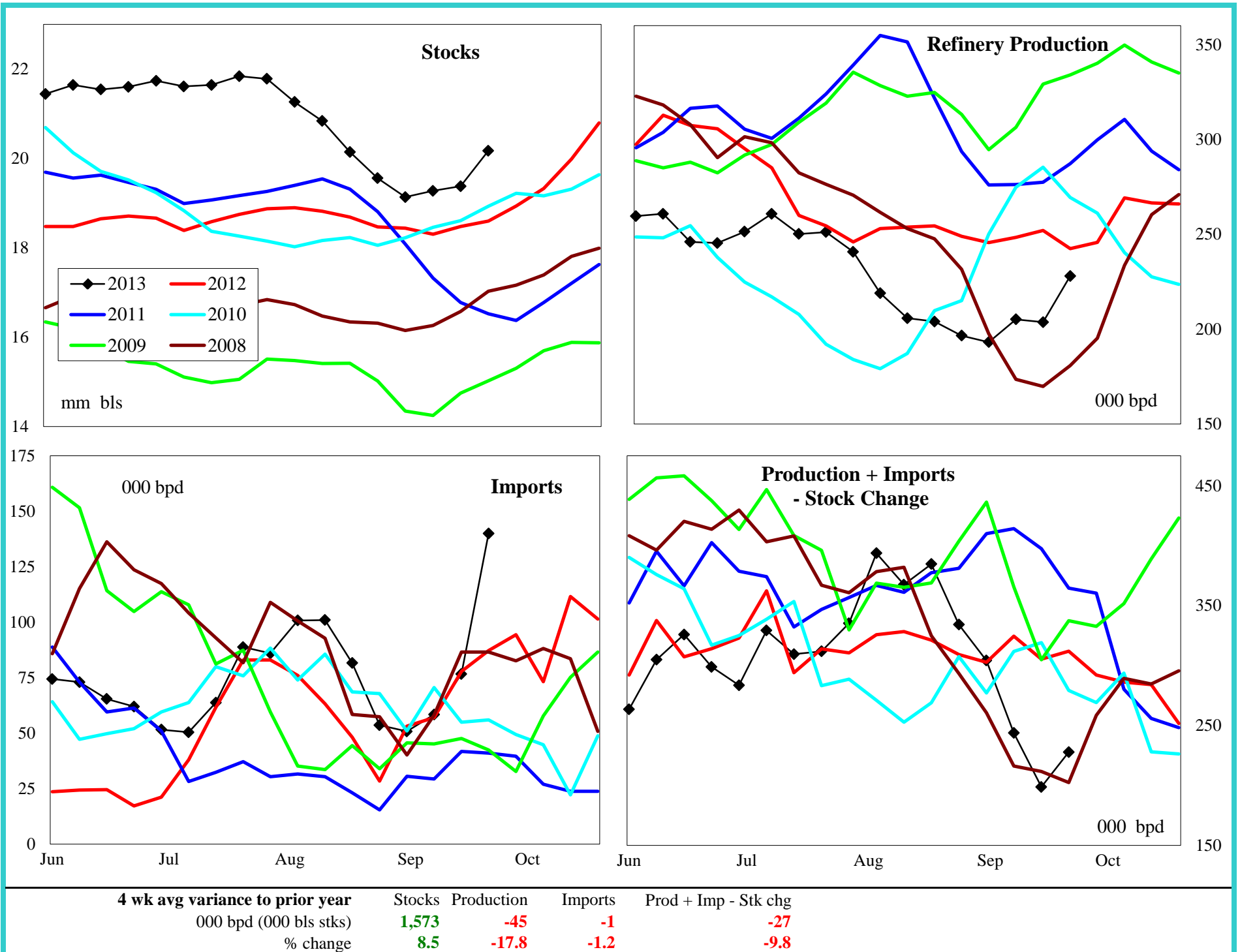
PADD 3 High Sulfur Distillate Supply



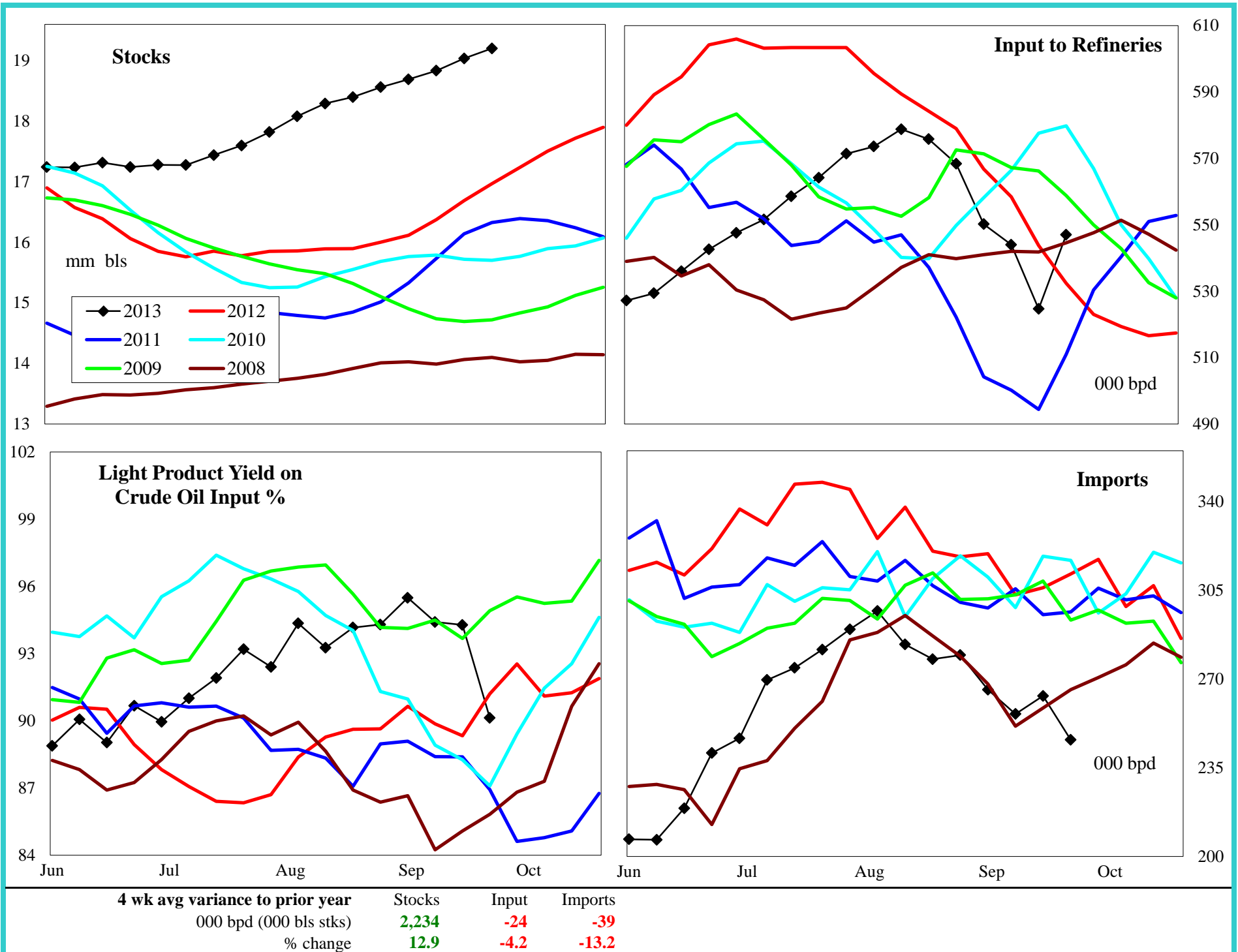
PADD 3 Jet Fuel Supply



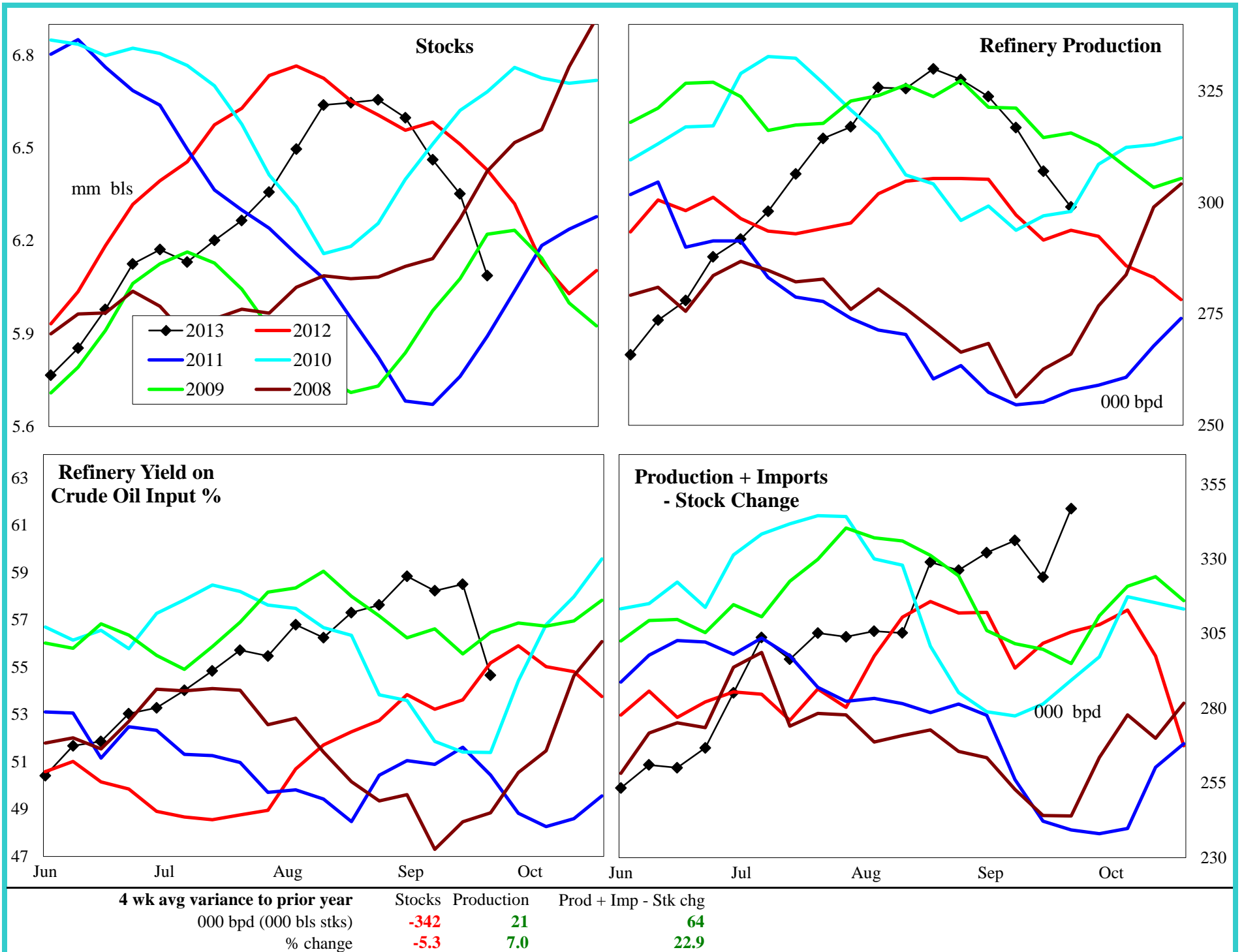
PADD 3 Residual Fuel Oil Supply



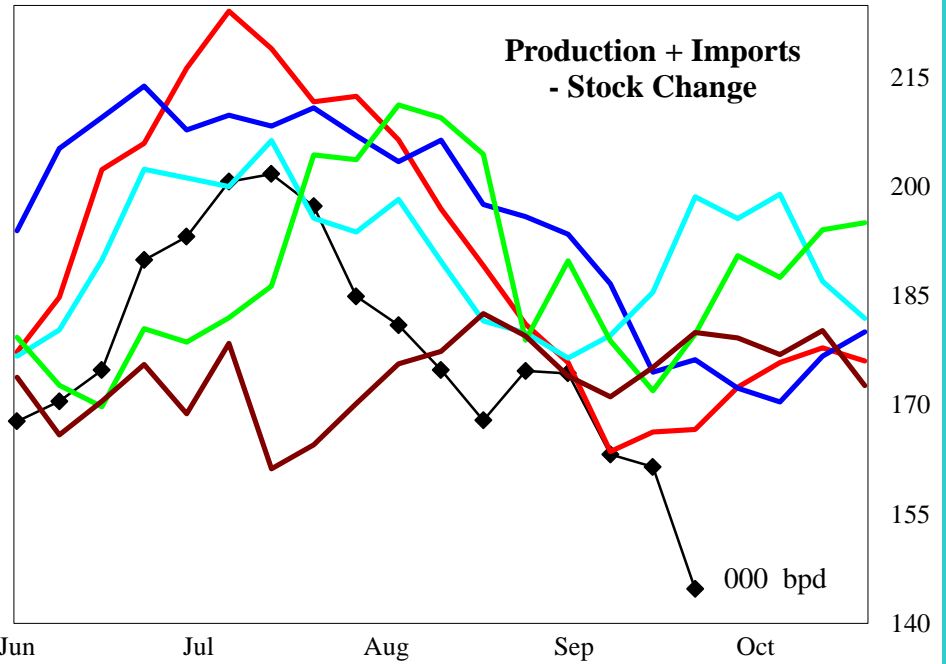
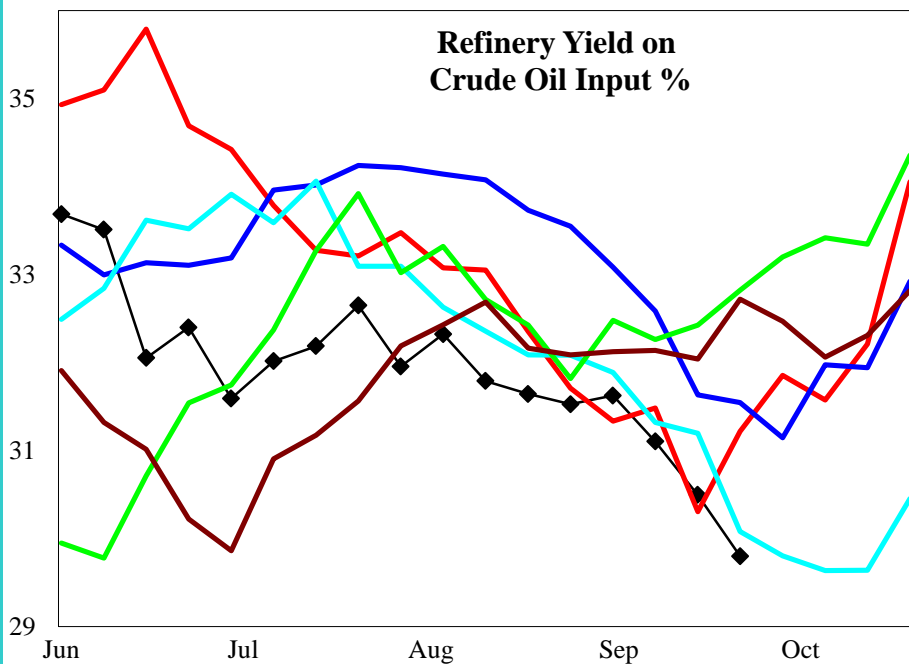
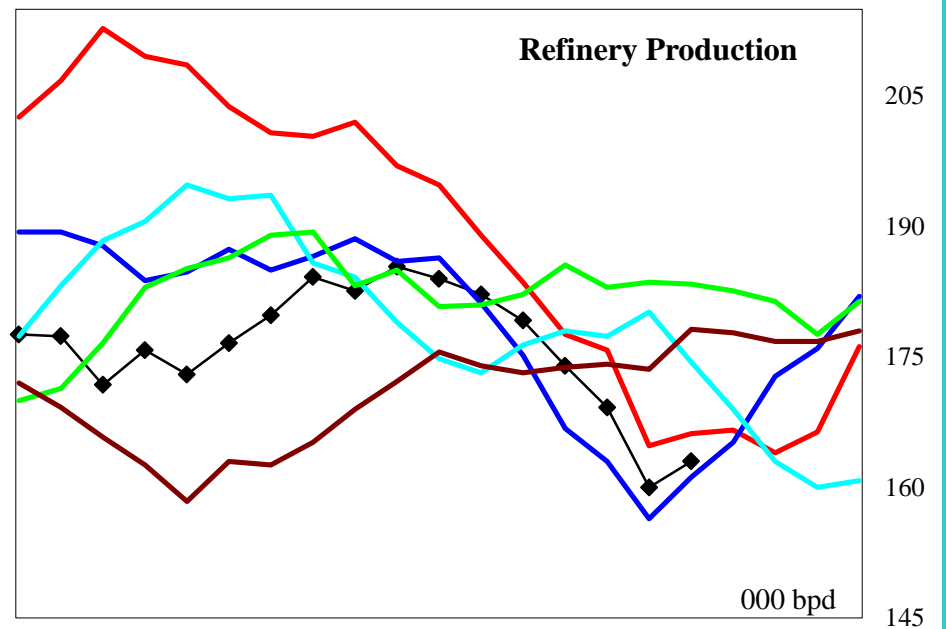
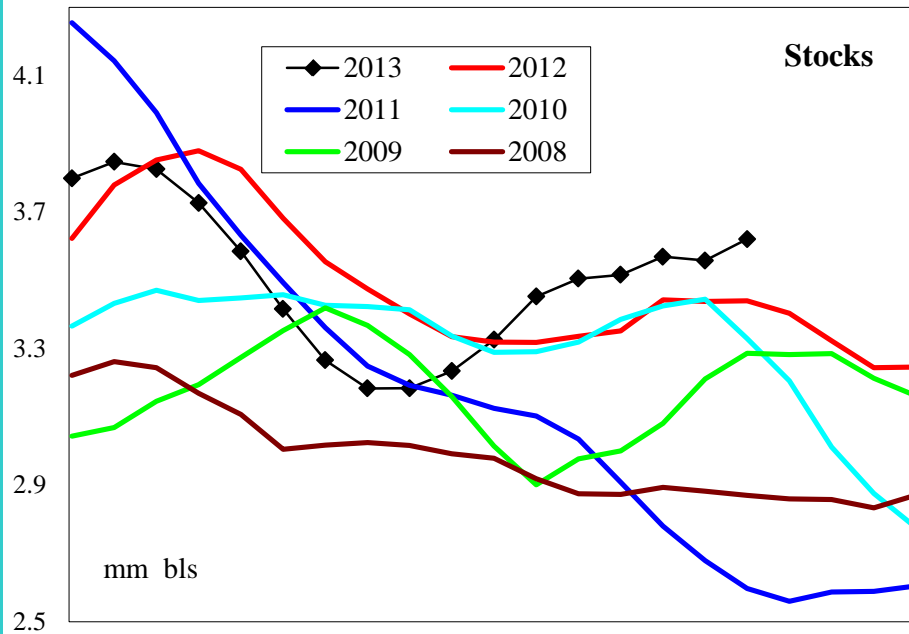
PADD 4 Crude Oil Supply and Refining



PADD 4 Gasoline Supply



PADD 4 Distillate Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

181

-8

-1

-3

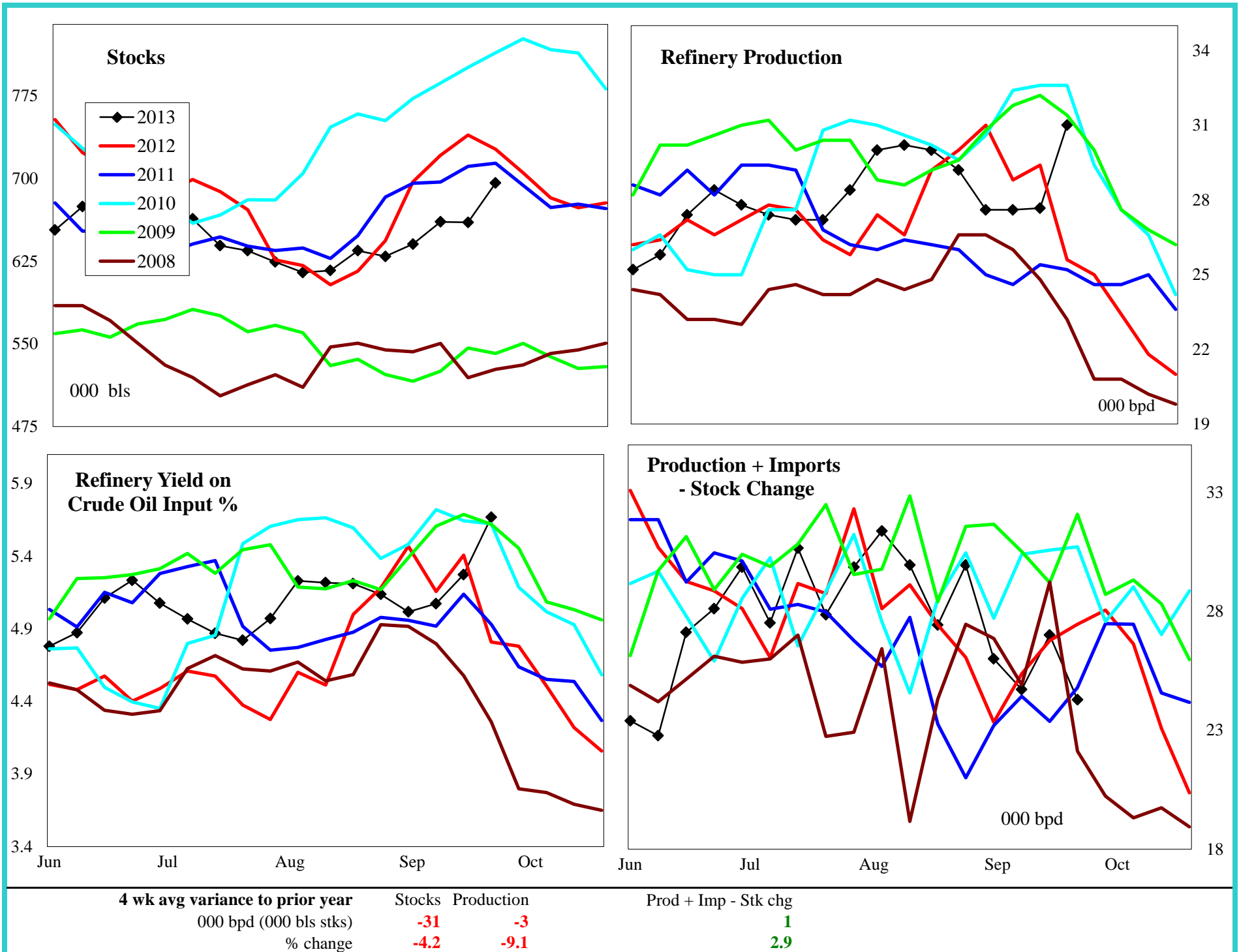
5.2

-4.8

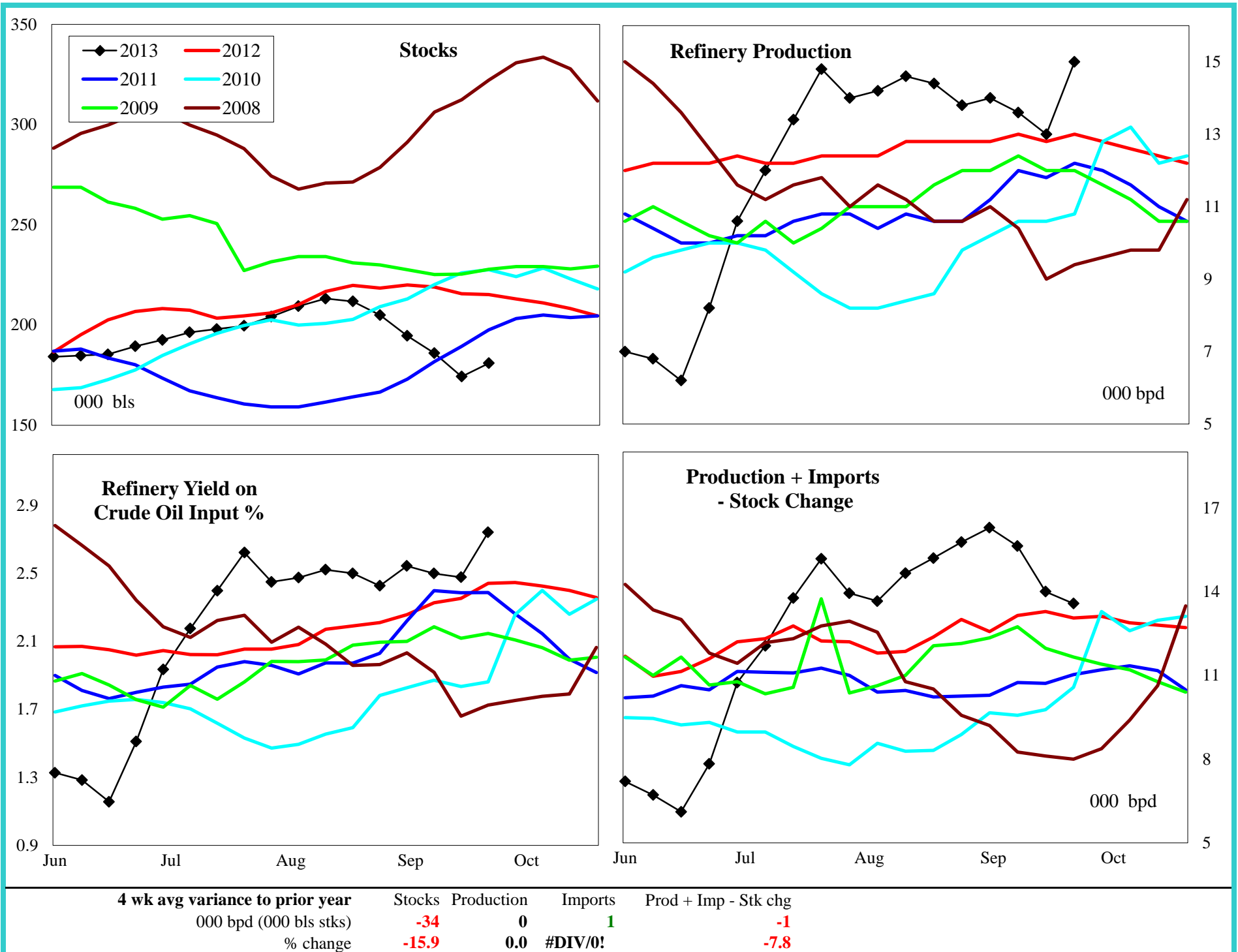
-50.0

-1.6

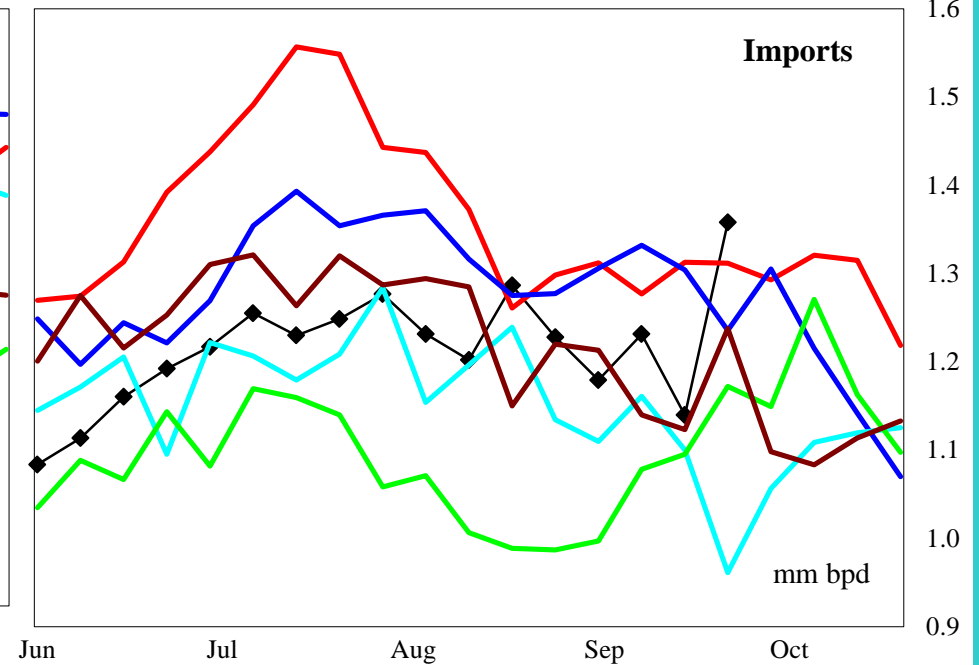
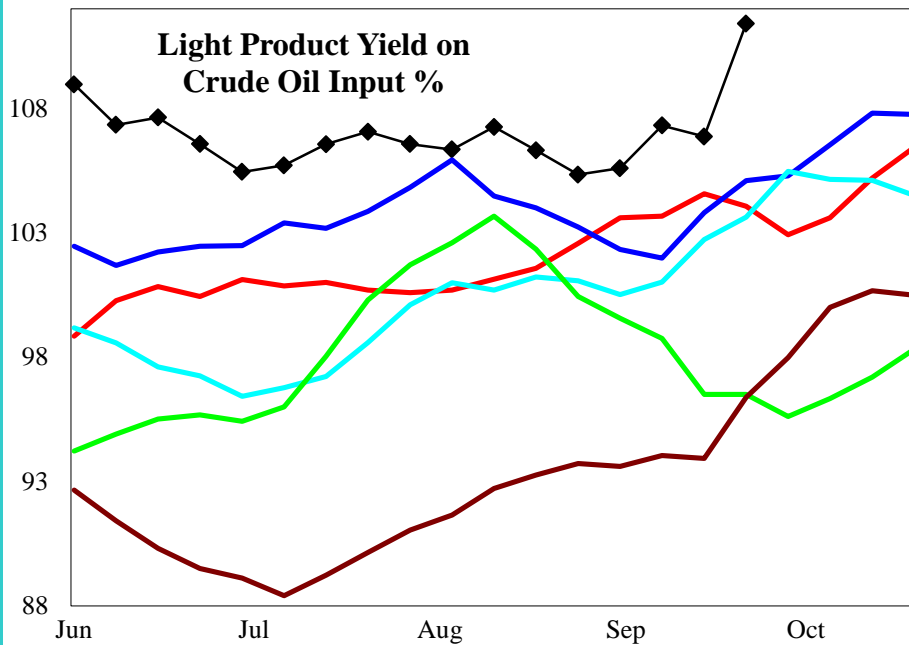
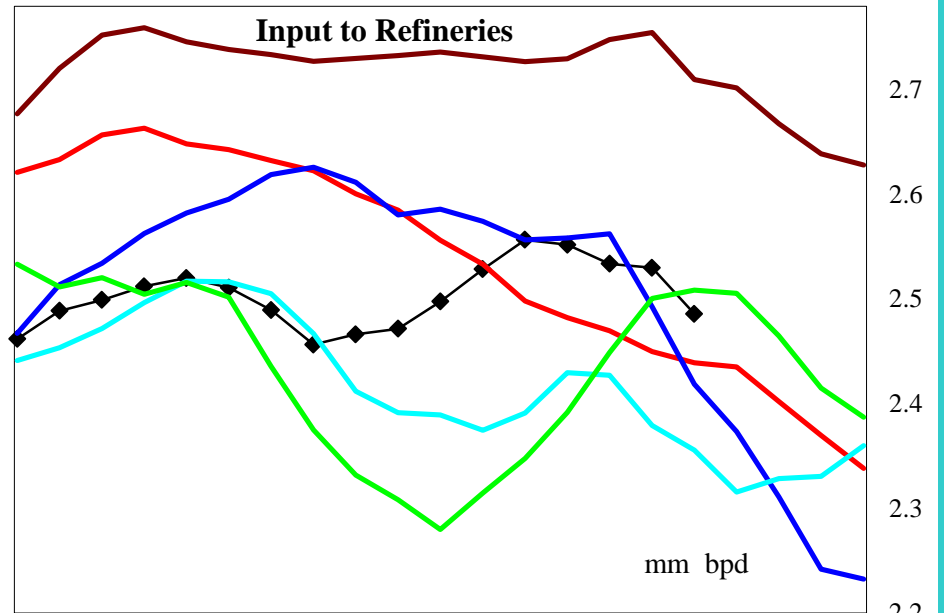
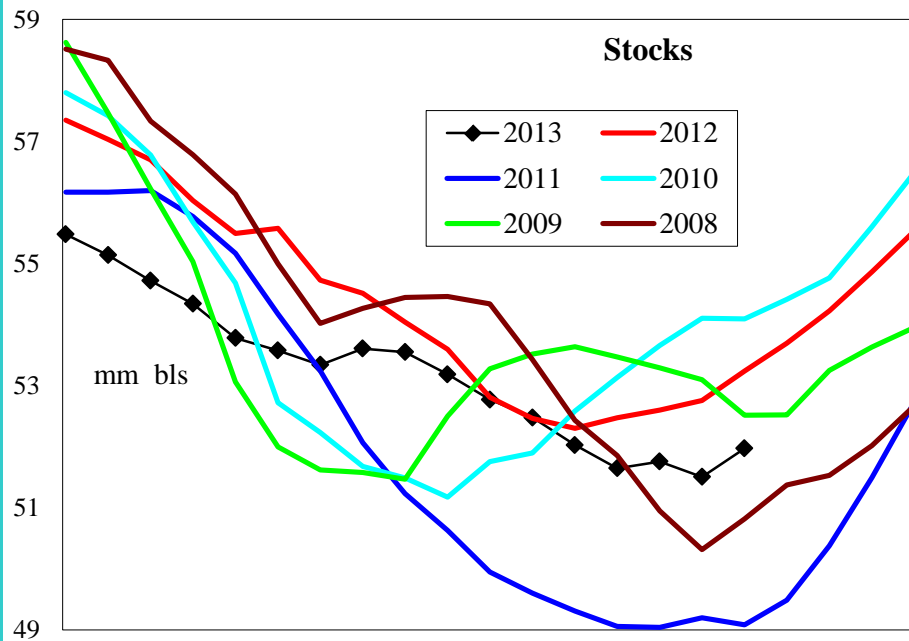
PADD 4 Jet Fuel Supply



PADD 4 Residual Fuel Oil Supply



PADD 5 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

-1,265

-2.4

Input

75

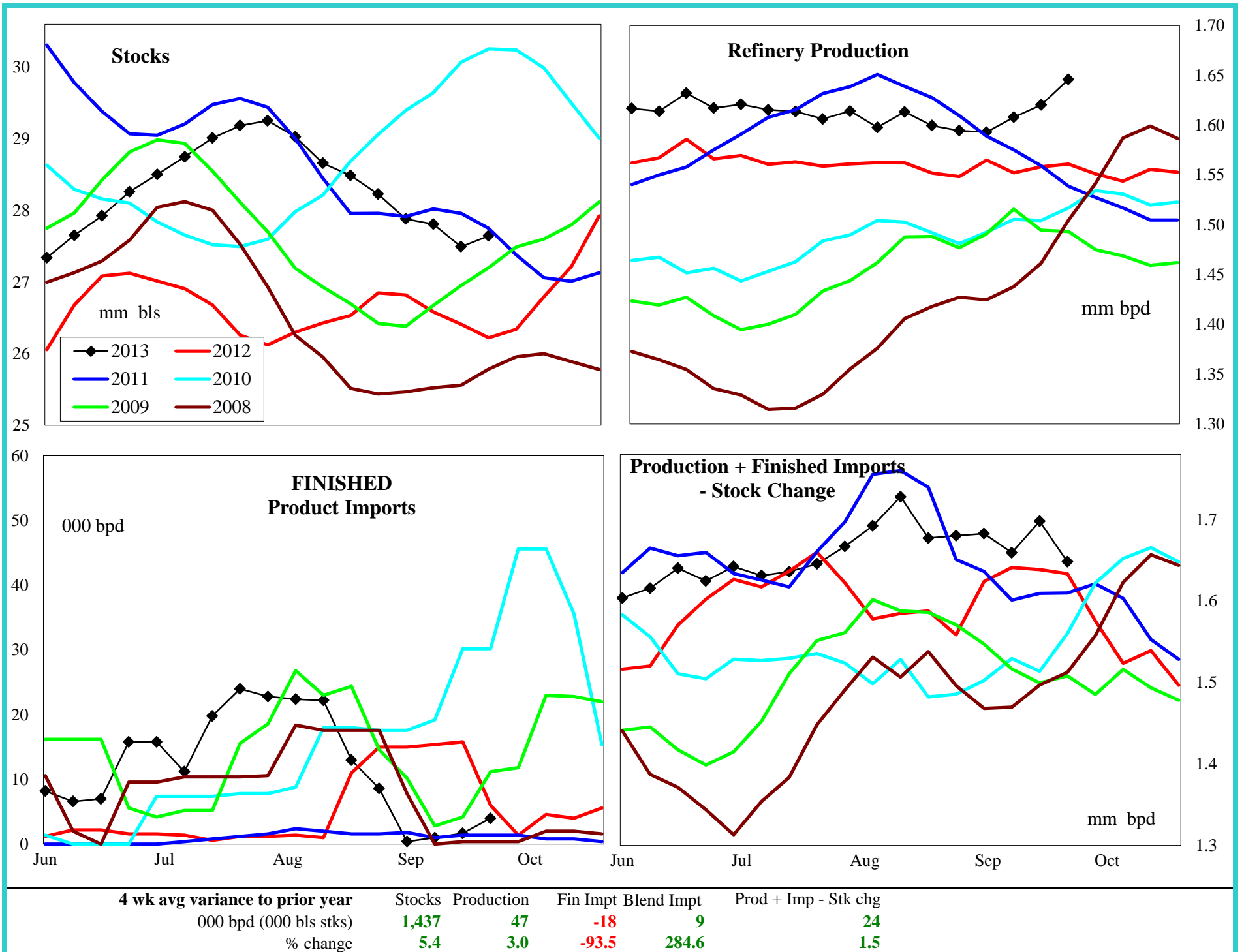
3.1

Imports

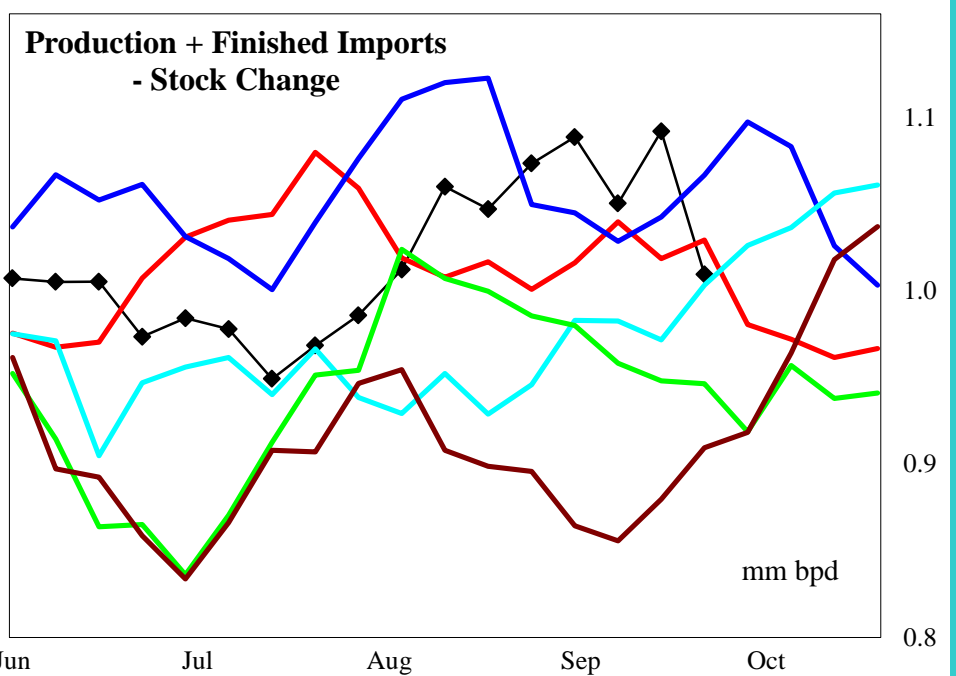
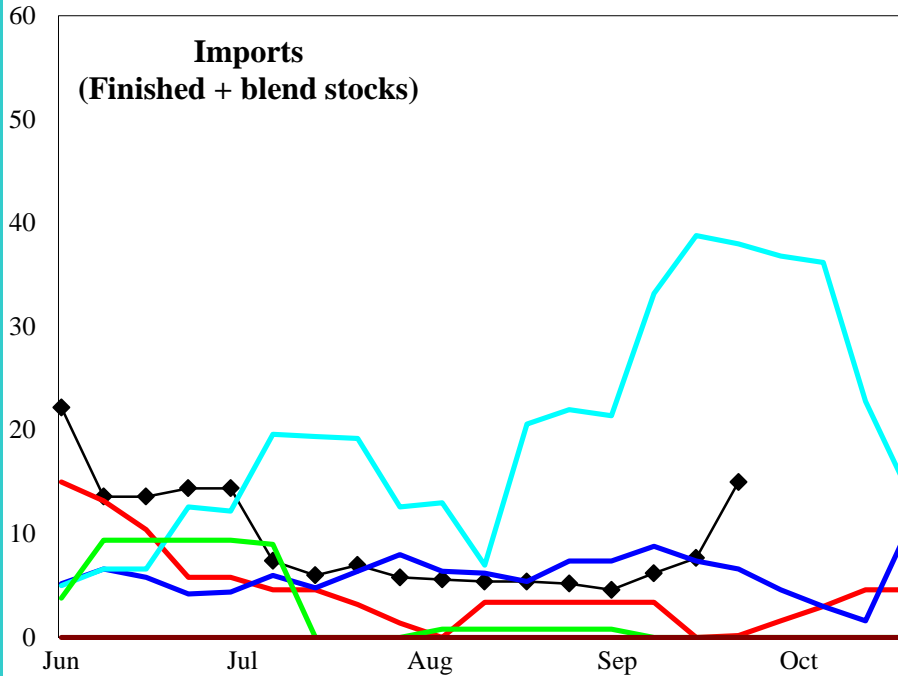
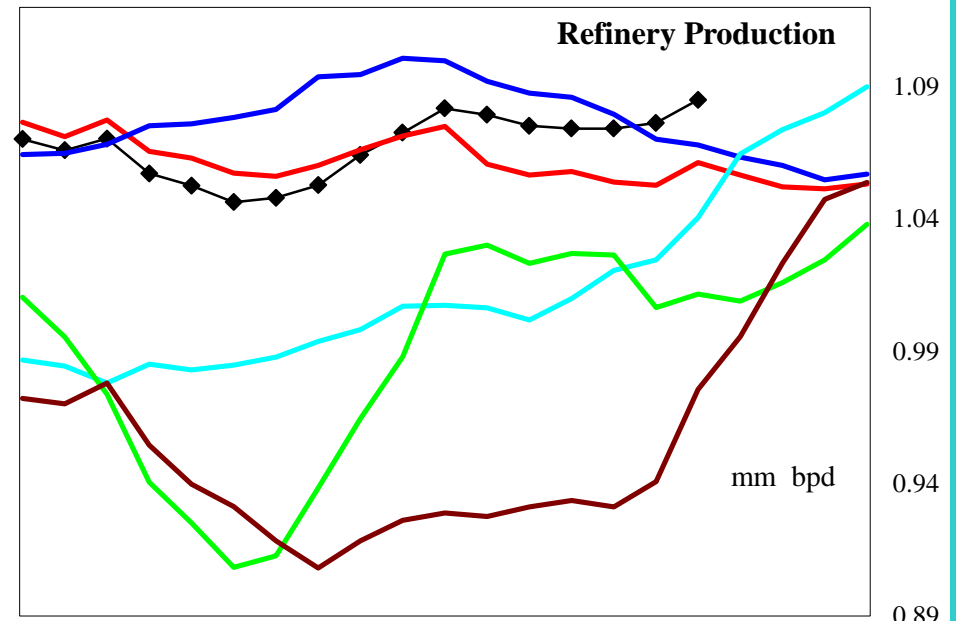
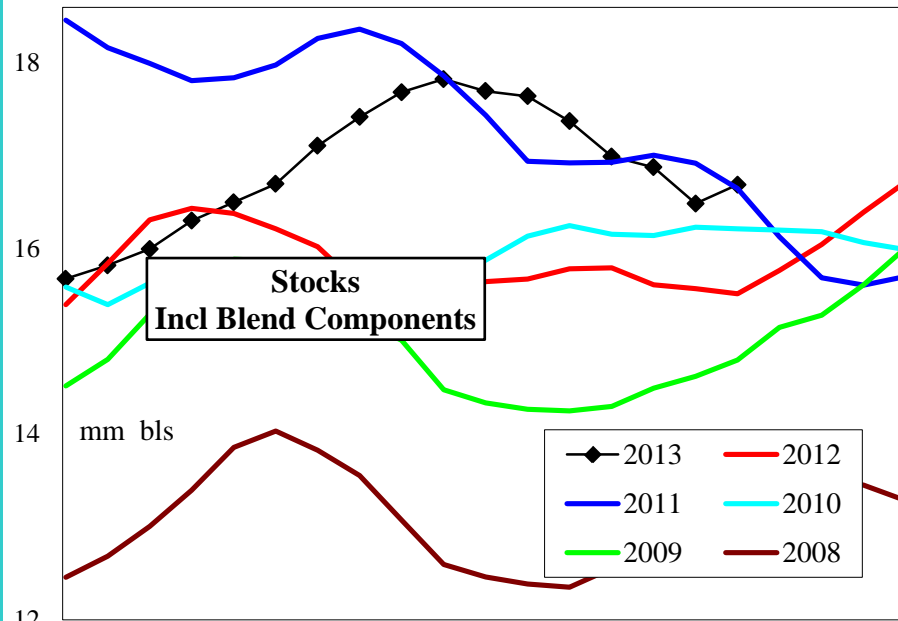
-78

-6.0

PADD 5 Gasoline Supply



PADD 5 Reformulated Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

1,606

21

6

-4

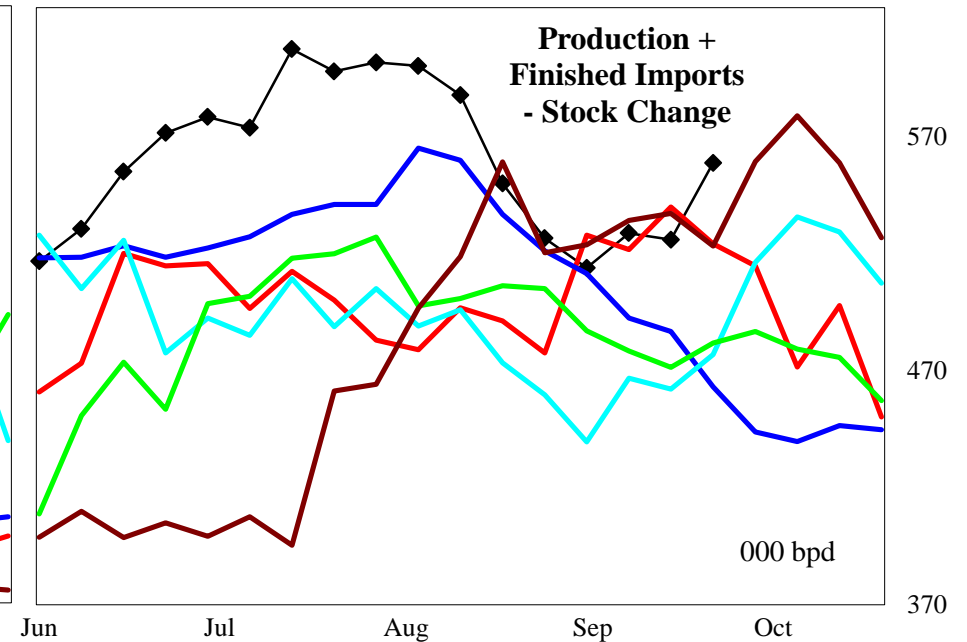
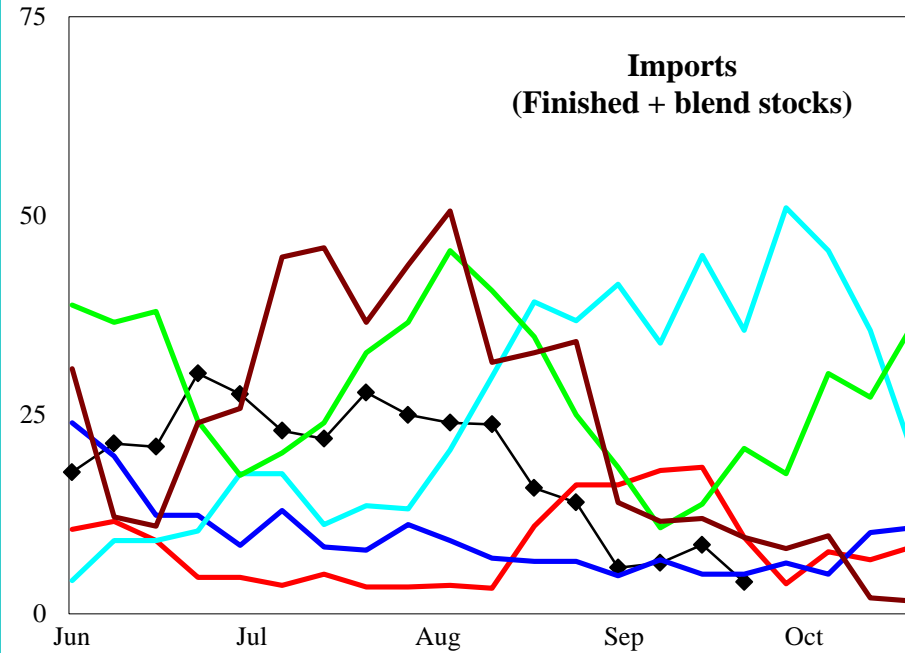
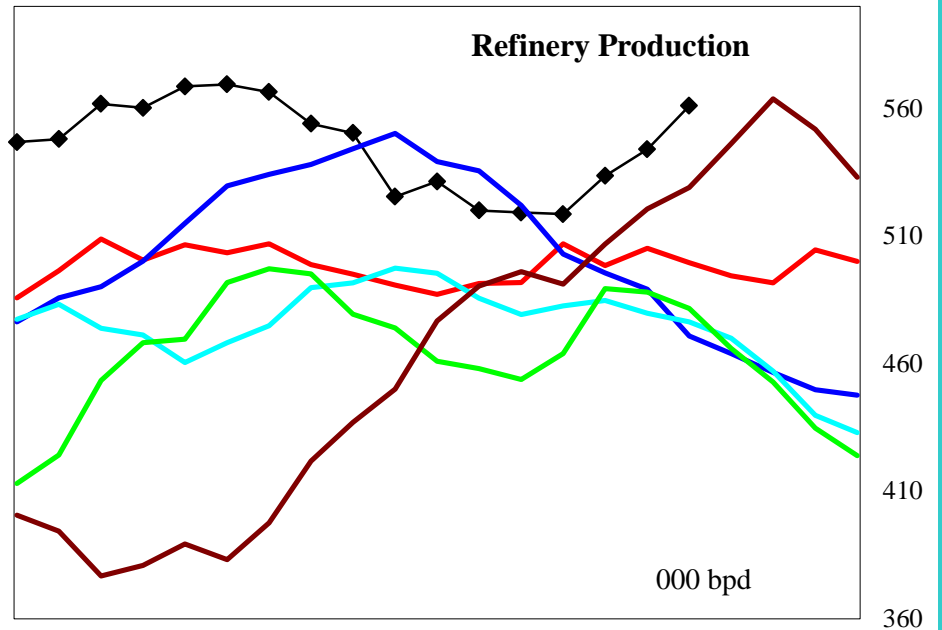
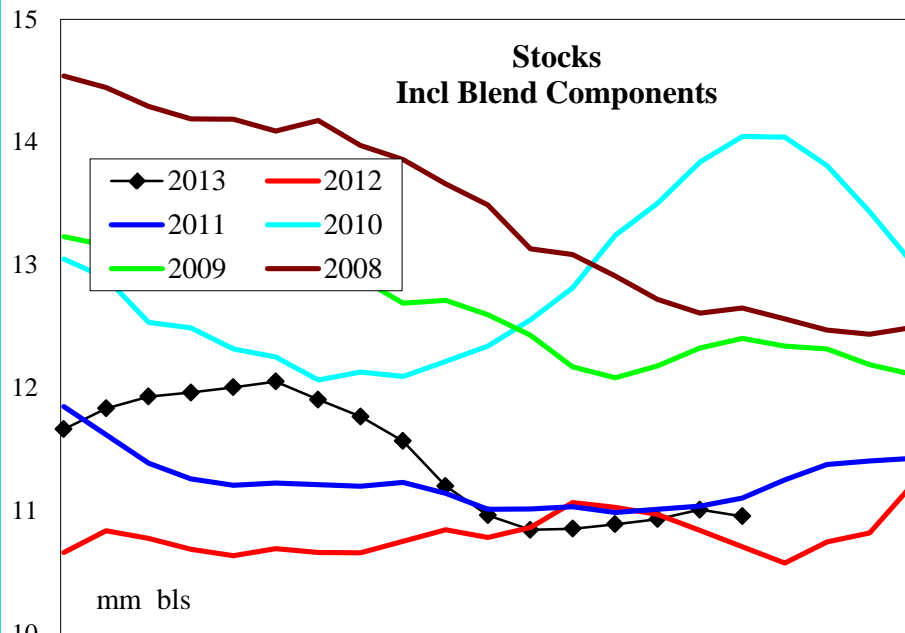
10.4

2.0

#DIV/0!

-0.3

PADD 5 Conventional Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

-169

26

-15

28

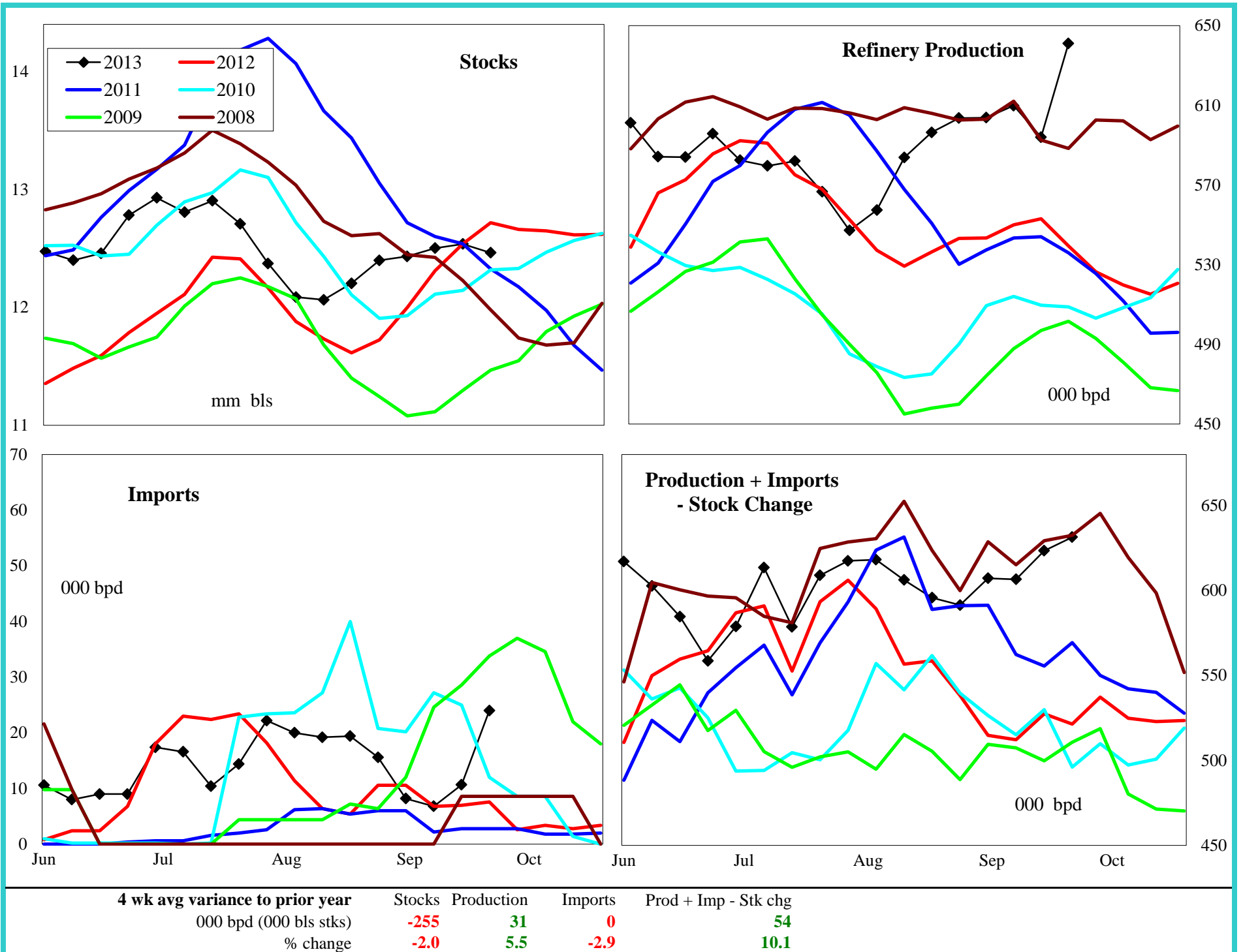
-1.5

5.0

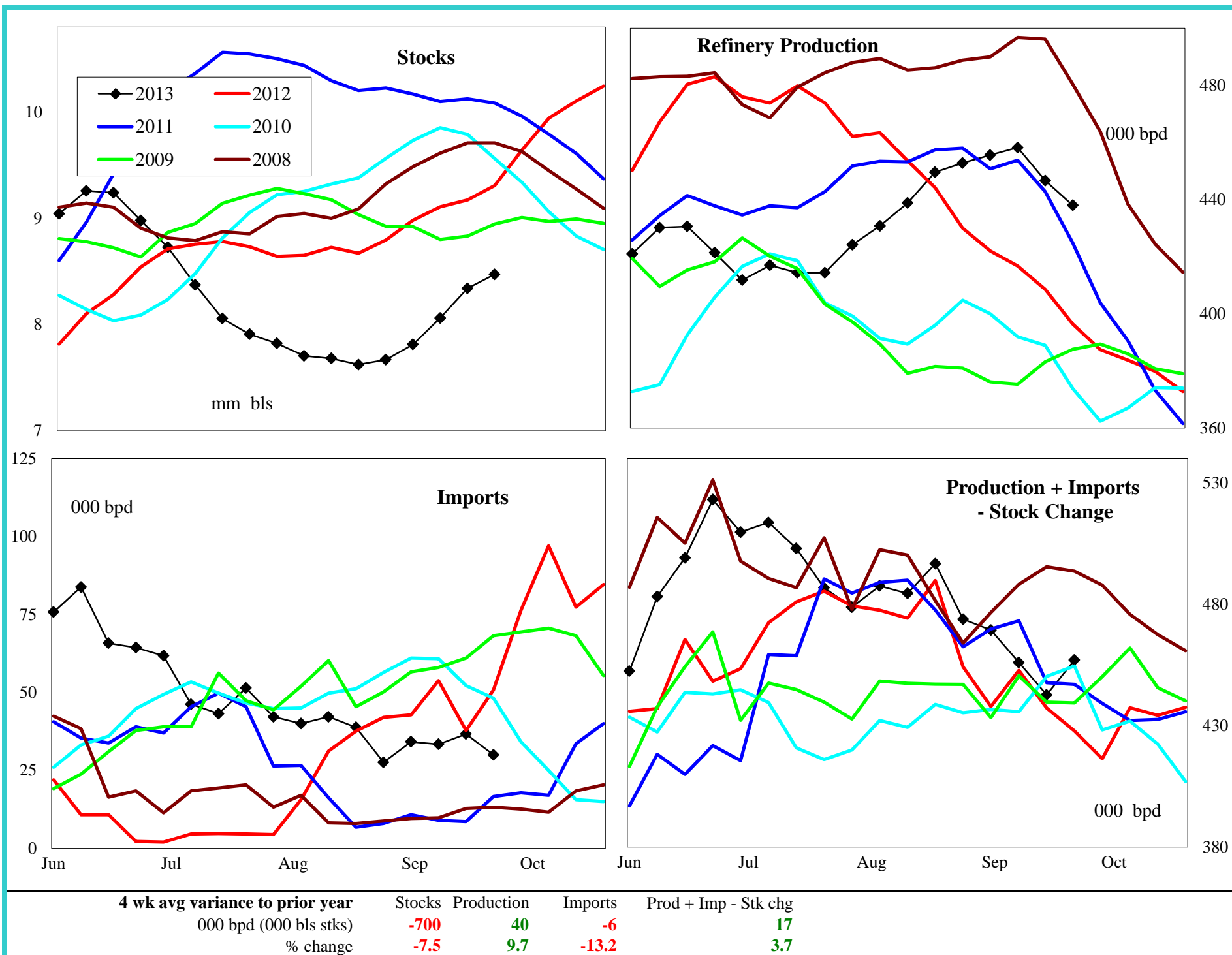
-64.4

5.5

PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply

