



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

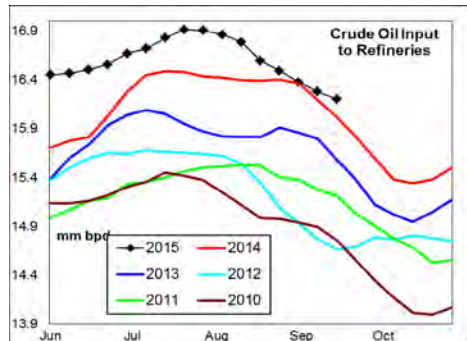
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, September 23,

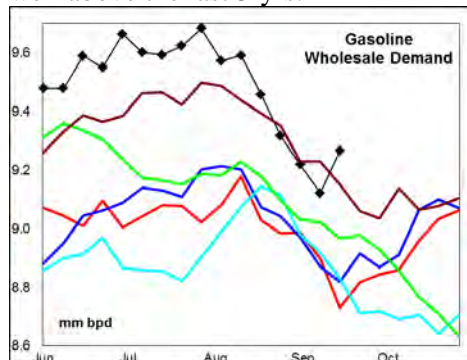


Major Fundamental Trends¹

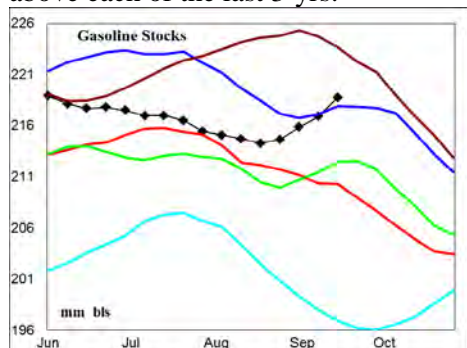
Crude oil input to refineries decreased -0.3 million bpd last week, concentrated in the Midwest and West Coast regions. Look for significant declines as maintenance expands over the next month.



Wholesale gasoline demand increased +232,000 bpd on the week, to a level well above the last 3-yrs.

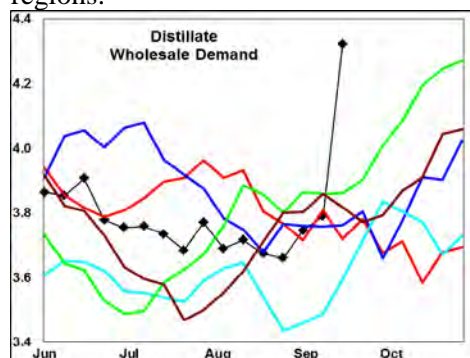


A rebound in production of +0.3 million bpd led to a +1.4 million barrel stock build on the week, with stocks above each of the last 3-yrs.



Wholesale distillate demand rebounded +840,000 bpd last week from prior record lows on a jump in exports that

led to a combined -3.6 million barrel stock draw in the Gulf and West regions.



Distillate stocks remain extremely high, with the East Coast +43% above the last 3-yrs.

Wholesale Demand for distillate spiked +0.8 million bpd on the week, to a level above the 5-yr range.

Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +3%, distillate increased +1.3%, jet fuel increased +5.7%, while residual fuel decreased -5%.

Stocks forward coverage: Gasoline demand coverage increased last week on a +1.4 million barrel stock build, partially offset by higher wholesale demand. Coverage ended the week at a level equal to the 3-yr mid range.

Distillate demand coverage decreased on a -2.1 million barrel stock draw and sharply higher wholesale demand. Coverage ended the week at a level above the last 4-yrs.

Jet fuel coverage increased on a +0.3 million barrel stock build, and collapse in wholesale demand. Coverage levels were near the 2-yr average.

Refinery utilization rates fell on a -310,000 bpd decrease in crude oil runs last week. During the latest 4-wk period crude oil input was -16,000 bpd below last year.

Gasoline yield % on crude oil runs increased on the week due to a +0.3 million bpd rise in output compared to the -0.3 million bpd decline in crude oil runs. Gasoline yield % on crude oil runs ended the week at a level

above the last 2-yrs.

Distillate yield % on crude oil runs increased on a +7,000 bpd rise in output compared to the drop in crude oil runs. The yield % on crude oil runs matched historic highs for the period.

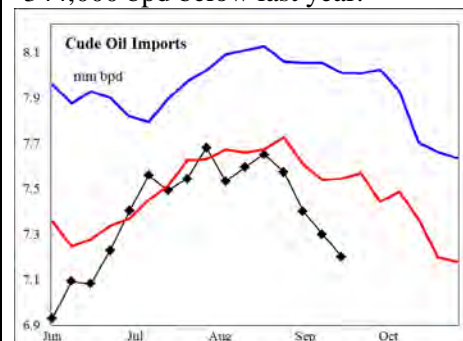
Jet fuel yield % on crude oil runs fell on a -151,000 bpd decline in output compared to the lower crude oil runs, with yields falling below the 5-yr range.

Petroleum Imports/Exports: Crude oil imports were unchanged last week, gasoline fell -0.2 million bpd and distillate increased +0.1 million bpd.

During the latest 4-wk period crude oil imports were -150,000 bpd below a year ago; distillate imports were -39,000 bpd lower; finished gasoline imports +12,000 bpd higher; gasoline blend stock imports were +160,000 bpd higher, jet fuel imports decreased -24,000 bpd, while residual fuel imports were +17,000 bpd higher.

Exports of distillate for the week ending 21Aug15 were +26,000 bpd above a year ago, gasoline +15,000 bpd higher, jet fuel -1,000 bpd lower and residual fuel oil was +34,000 bpd higher.

Crude Oil stocks declined -1.9 million barrels on the week, concentrated in the Midwest and West Coast. Imports were unchanged on the week, at a level -344,000 bpd below last year.



Look for an immediate drop in refinery runs as fall maintenance expands, with a return to crude oil stock builds. Cushing stocks declined -0.5 million bpd on high refinery runs in the Midwest.

¹ Source is latest EIA Weekly Statistics



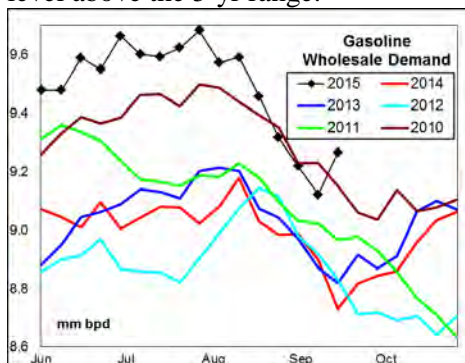
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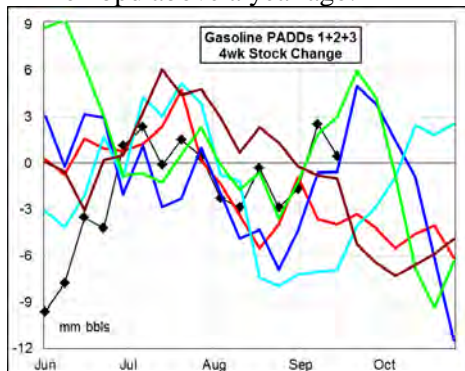
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Product Supply-Demand Trends

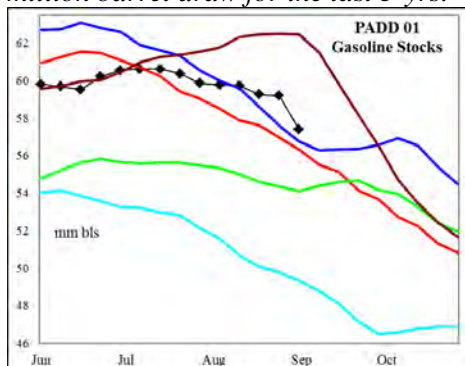
Gasoline wholesale demand increased +0.2 million bpd on the week, to a level above the 5-yr range.



Supply increased +0.1 million bpd last week, with the 4-wk average +0.3 million bpd above a year ago.



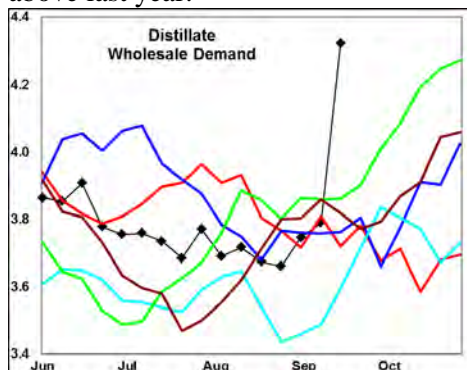
The latest 4-wk stock change East of the Rockies was a +0.5 million barrel build, compared to an average -3.8 million barrel draw for the last 3-yrs.



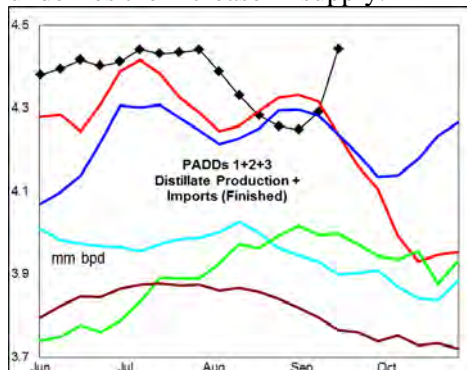
Stock levels were equal to or higher than the 3-yr mid range in all regional markets last week, except the Midwest. Look for a seasonal drop in production as fall maintenance expands, combined with robust year on year wholesale demand growth to drive above average stock draws during the next 60-days.

Distillate wholesale demand jumped +0.84 million bpd last week, to a level

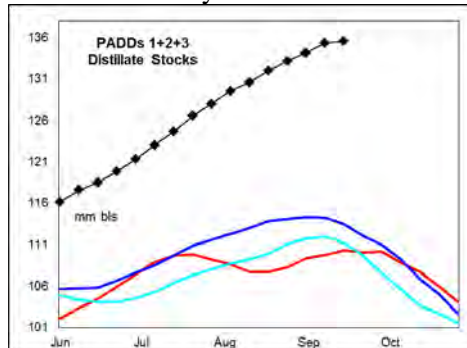
above the 5-yr range on increased exports. The latest 4-wk average wholesale demand was +50,000 bpd above last year.



Supply increased +105,000 bpd last week, with the 4-wk average -63,000 bpd below a year ago. Higher imports underlies the increase in supply.



Stocks decreased -2.1 million barrels on the week, with decreases in the Gulf and West regions. Stocks ended the week +23 million barrels above the last 3-yrs, with East region stocks +43% above the last 3-yrs.

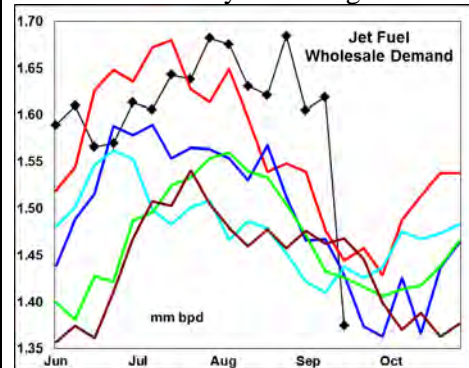


Look for the fall refinery maintenance to drive stock draws during the next quarter. Stock levels remain extremely high in all regional markets.

Jet Fuel wholesale demand fell -0.4

million bpd on the week, to a level below the 5-yr range. The latest 4-wk average demand was +85,000 bpd above last year.

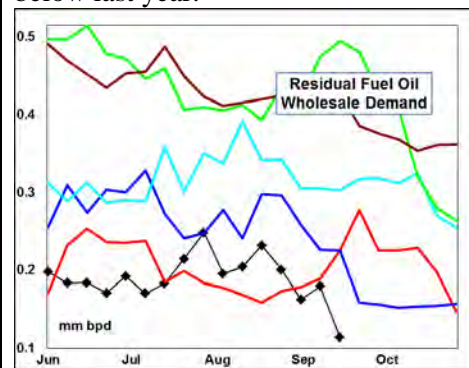
Supply fell -145,000 bpd on the week, driven by lower production; with the 4-wk average -129,000 bpd below a year ago. Stocks increased +0.3 million barrels on the week, to a level above the 3-yr mid range.



Look for lower seasonal demand, and lower production to offset so that stock levels remain above the 3-yr average in most major markets.

A rebound in imports should assure ample supplies in all coastal markets.

Residual fuel oil demand was unchanged last week. Demand for the latest 4-wk period was -11,000 bpd below last year.



Supply (production + imports) increased +14,000 bpd on the week, due to higher imports. Stocks increased +0.5 million barrels, to a level +7% above last year. Production has declined to a level below the 5-yr range.



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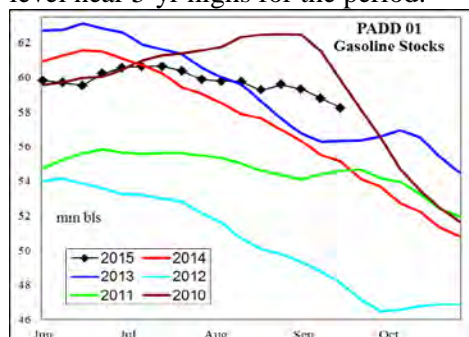
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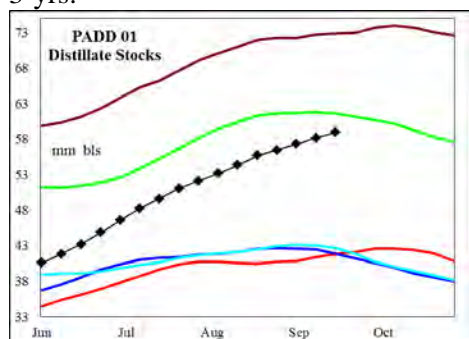
PADD Supply Trends

PADD 1 refinery crude oil runs decreased -42,000 bpd on the week to a level that matched the 3-yr mid range. The latest 4-wk average thru put was +17,000 bpd above last year.

Gasoline supply was unchanged on the week, with the 4-wk average +119,000 bpd above last year. Stocks fell -2.5 million barrels last week, to a level near 5-yr highs for the period.



Distillate supply increased +13,000 bpd on the week, with the 4-wk average -4,000 bpd below last year. Production has dropped -60,000 bpd during the last month to a record low for the week. Stocks increased +1.3 barrels to a level +43% above the last 3-yrs.



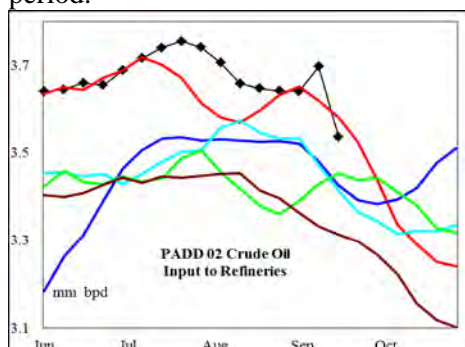
Jet fuel supply increased +37,000 bpd on the week, while stocks fell below the 5-yr range.

PADD 2 crude oil refinery runs fell -235,000 bpd on the week, to a level just below last year. The latest 4-wk average thru put was unchanged from last year.

Crude oil stocks fell -3 million barrels last week. Cushing saw a -0.5 million barrel draw for the week.

Gasoline supply increased +39,000 bpd on the week. Production for the most recent 4-wk period was +28,000

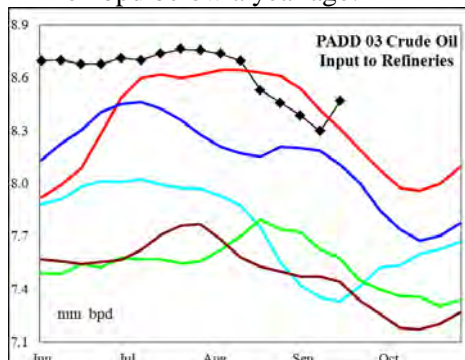
bpd above a year ago. Stocks decreased -0.4 million barrels on the week, to a level near 5-yr lows for the period.



Distillate supply decreased -52,000 bpd on the week, to a level that matched last year. The latest 4-wk average production was -11,000 bpd below last year. Stocks increased +0.4 million barrels on the week, to a level that matched 5-yrs.

Jet fuel production fell to a record low for the season, with stocks near the average of the last 2-yrs.

PADD 3 refinery runs increased +29,000 bpd last week. During the latest 4-wk period, runs were -0.2 million bpd below a year ago.



Crude oil imports decreased -0.2 million bpd on the week, with the 4-wk average -0.5 million bpd below last year.

Crude oil stocks increased +2.8 million barrels, to a level +44 million barrels (+23%) above the prior high for the period.

Gasoline supply increased +35,000 bpd on the week, with the latest 4-wk average +251,000 bpd above a year ago. Stocks climbed +3.4 million barrels on the week, to a level near 5-yr highs.

Distillate supply increased +155,000 bpd on the week, with the latest 4-wk average supply -69,000 bpd below a year ago. Stocks fell -2.4 million barrels to a level +10% above last year.

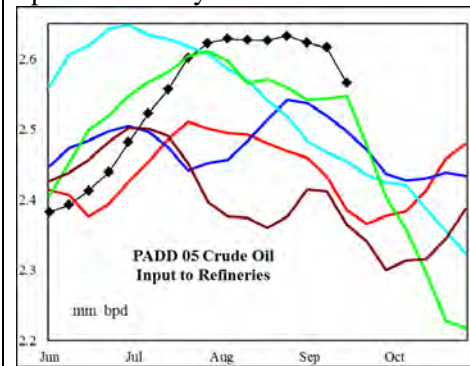
Jet fuel production decreased -86,000 bpd on the week, to a level below the last 3-yrs. Stocks increased +1.8 million barrels on the week, a level above the last 4-yrs.

PADD 4 refinery crude runs increased +44,000 bpd last week, to a level that matched historic highs. The latest 4-wk average was -34,000 bpd below last year.

Gasoline supply decreased -11,000 bpd on the week, with the 4-wk average -28,000 bpd below last year.

Distillate supply was unchanged on the week, at a level above four of the last 5-yrs. Stocks ended the week at a level below the 3-yr mid range.

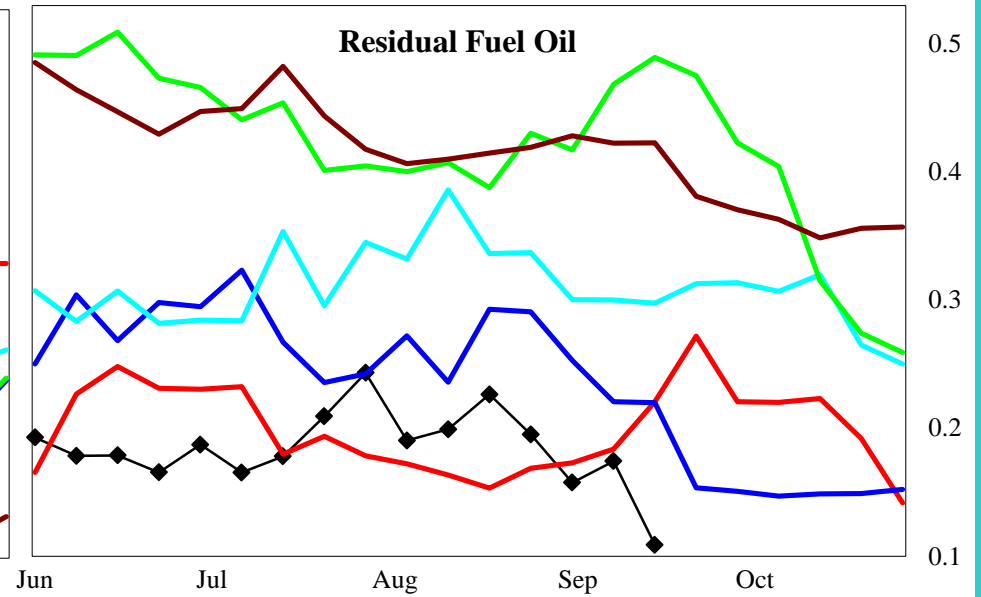
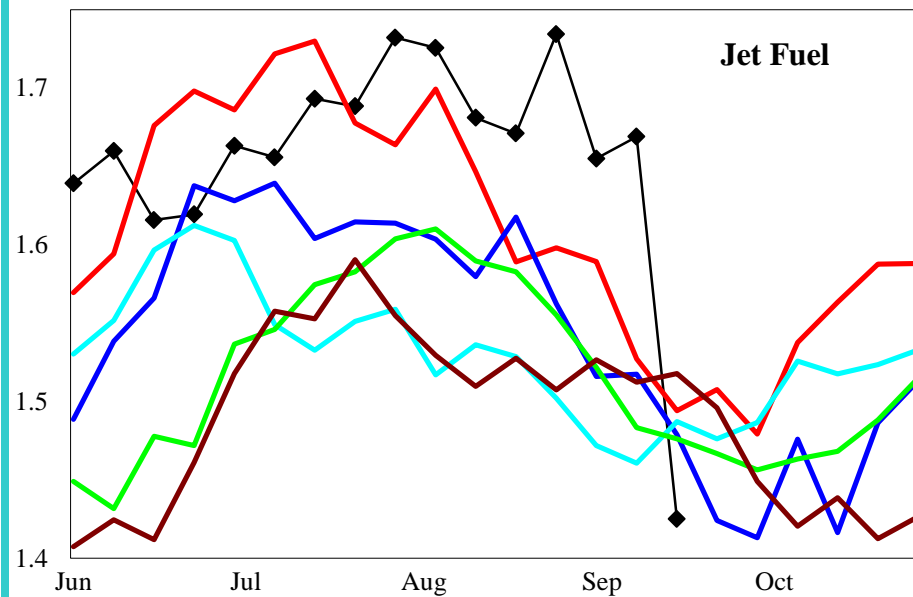
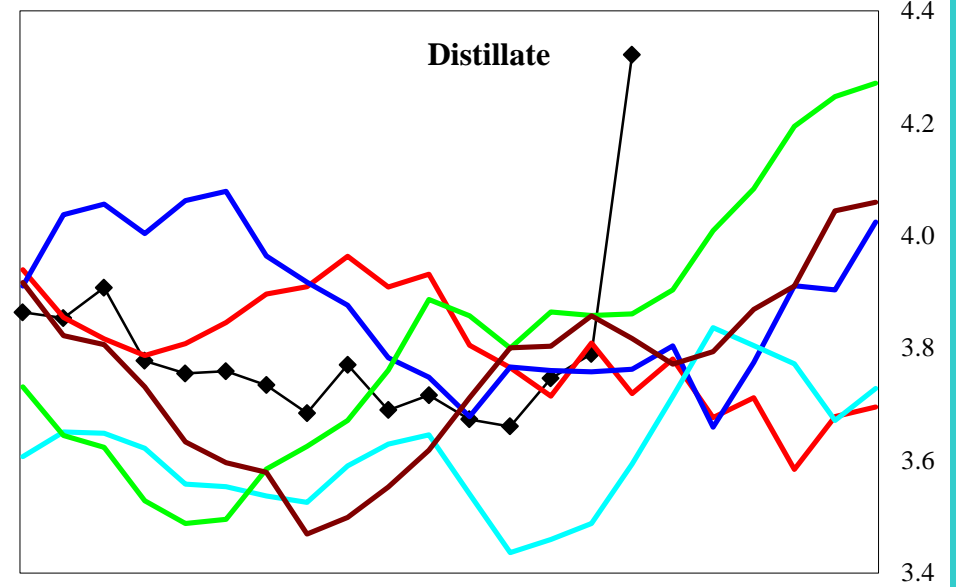
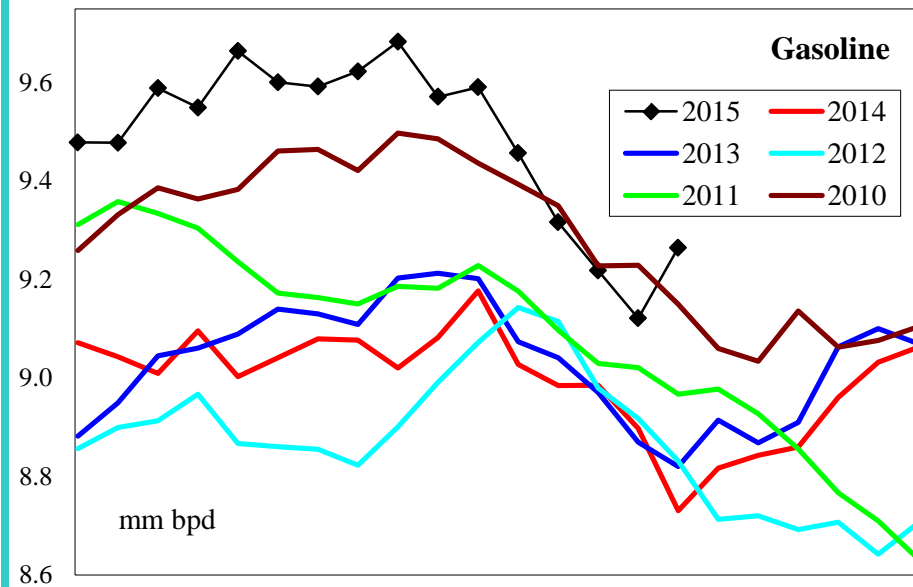
PADD 5 crude oil refinery runs fell -106,000 bpd on the week to a level slightly above the 6-yr range. The 4-wk average thru put rate was +159,000 bpd above last year.



Gasoline supply was nearly unchanged on the week; with the latest 4-wk average +75,000 bpd above last year. Production levels were nearly +100,000 bpd above last year for the current week. Stocks increased +0.8 million barrels on the week, to a level above four of the last 5-yrs.

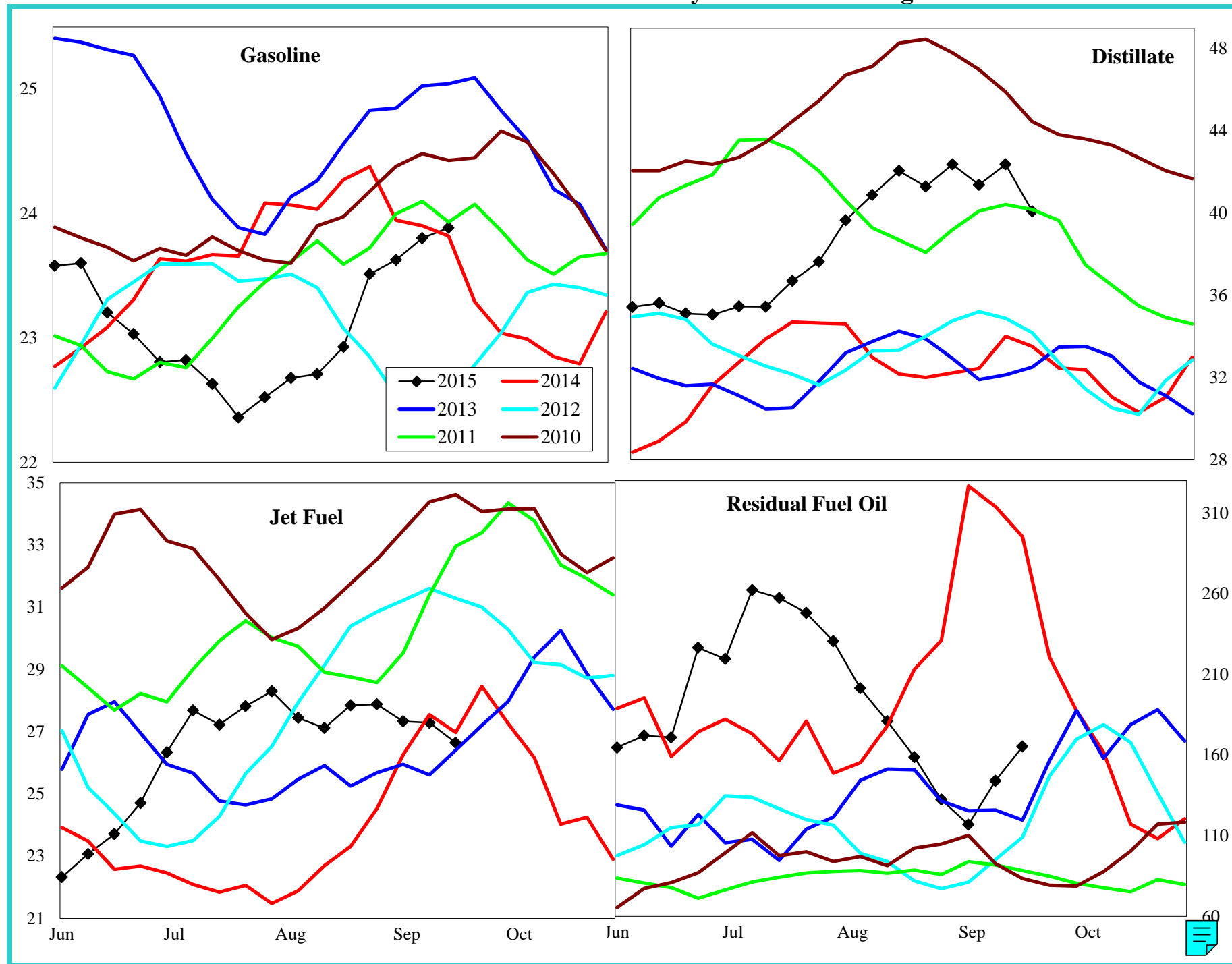
Distillate supply was nearly unchanged on the week. The 4-wk average supply was +56,000 bpd above last year. Stocks fell -1.1 million barrels on the week, to a level near the average of the last 2-yrs.

United States Wholesale Petroleum Demand

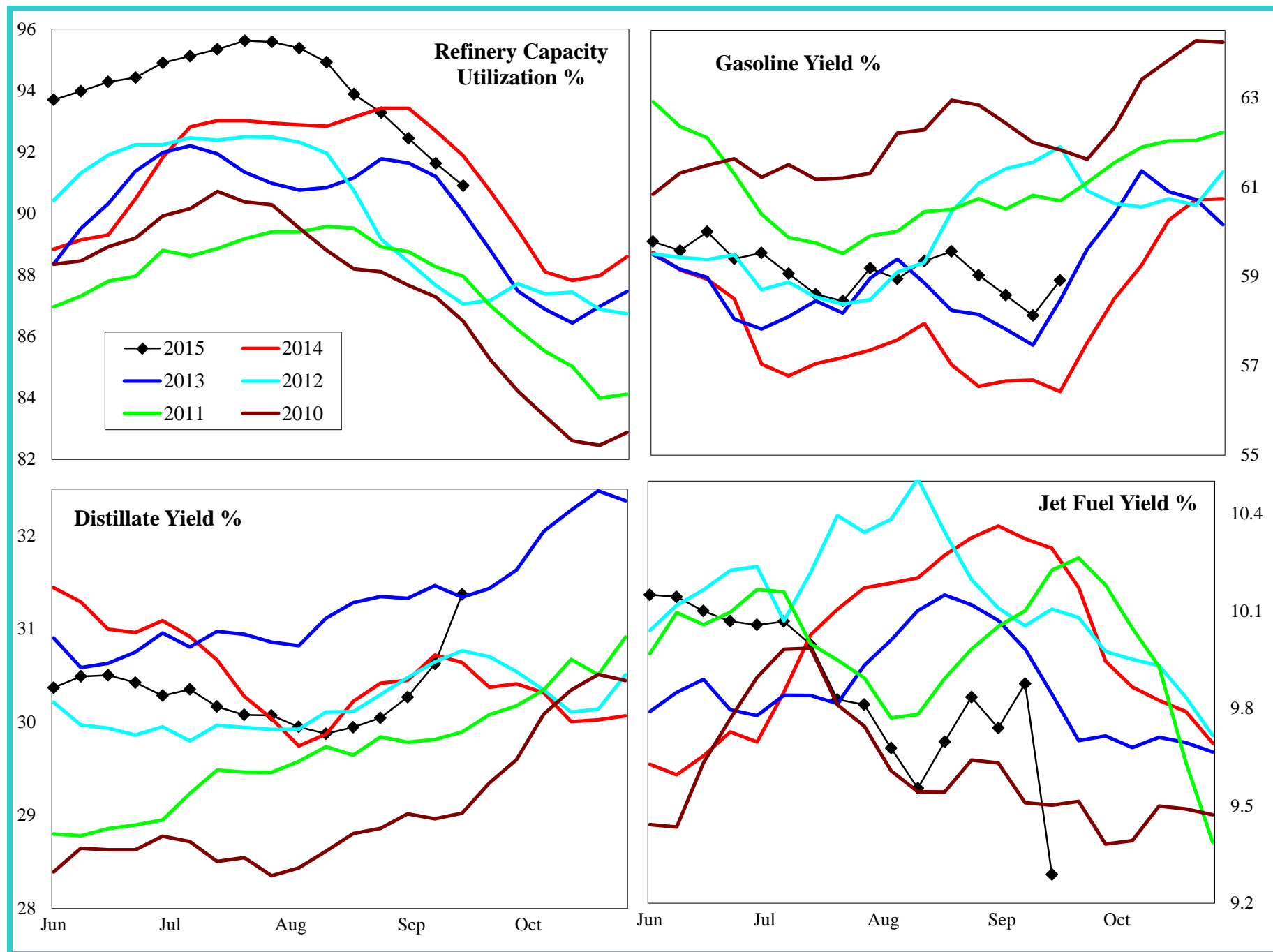


	000 bpd change from prior year				% change from prior year			
	4wk avg	Aug	Jul	Jun	4wk avg	Aug	Jul	Jun
Gasoline	269	218	325	357	3.0	2.3	3.5	4.0
Distillate	50	-116	-141	-26	1.3	-3.0	-3.7	-0.7
Jet Fuel	85	90	134	77	5.7	5.9	8.7	4.9
Resid	-11	14	-24	-89	-5.1	6.6	-10.0	-34.1

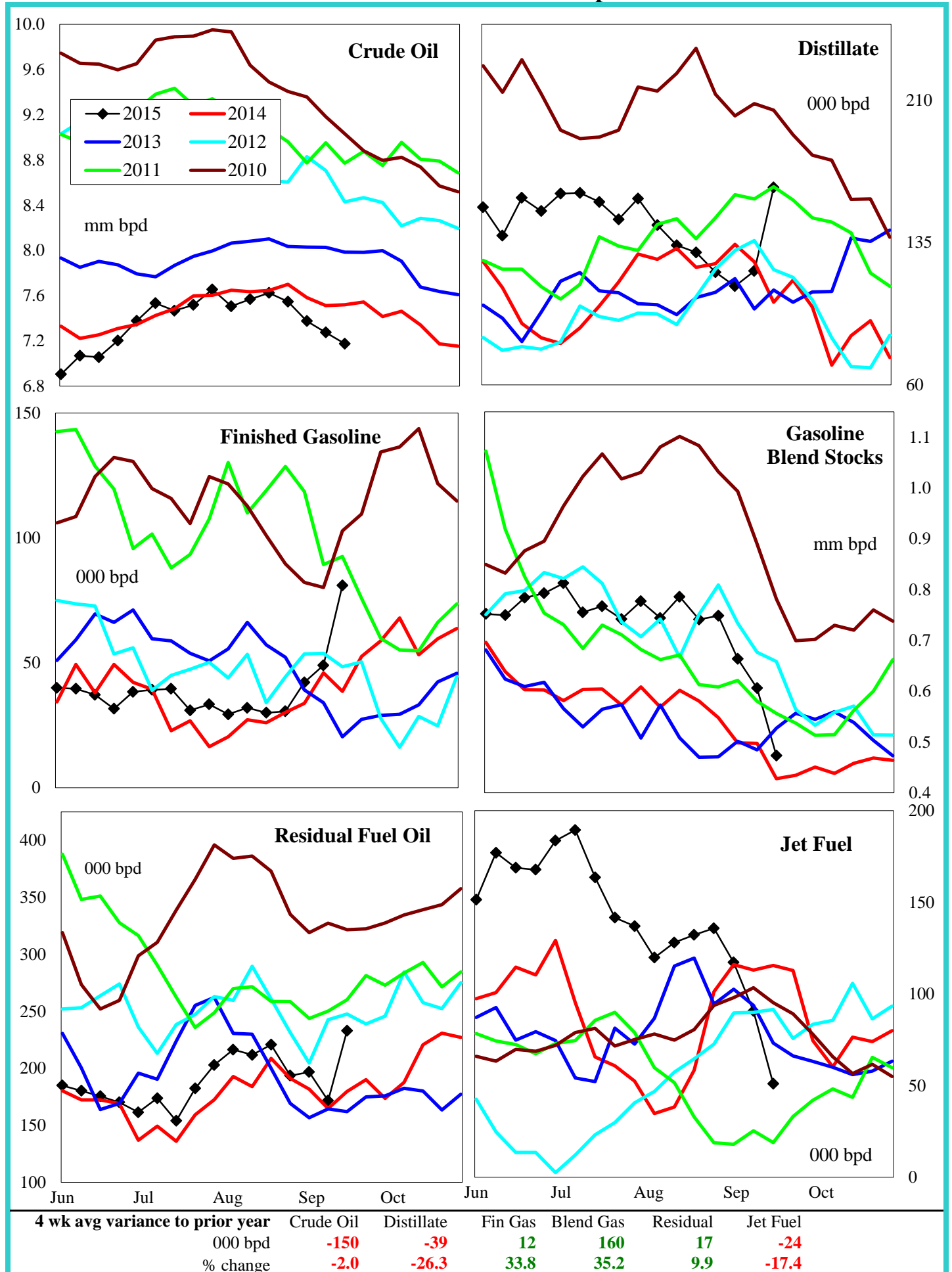


United States Product Stocks: Days Forward Coverage

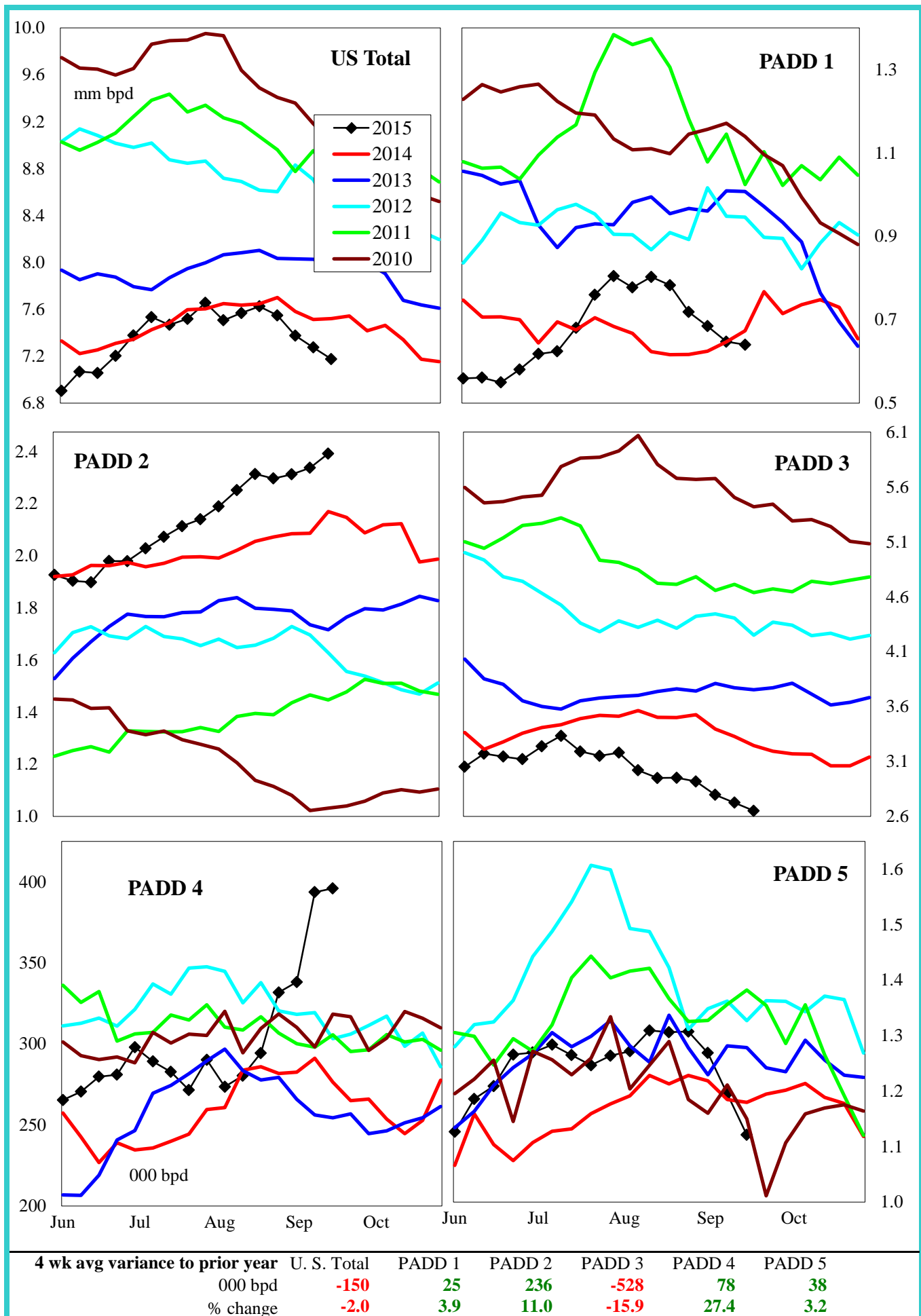
United States Refinery Percent Utilization Rate and Product Yields



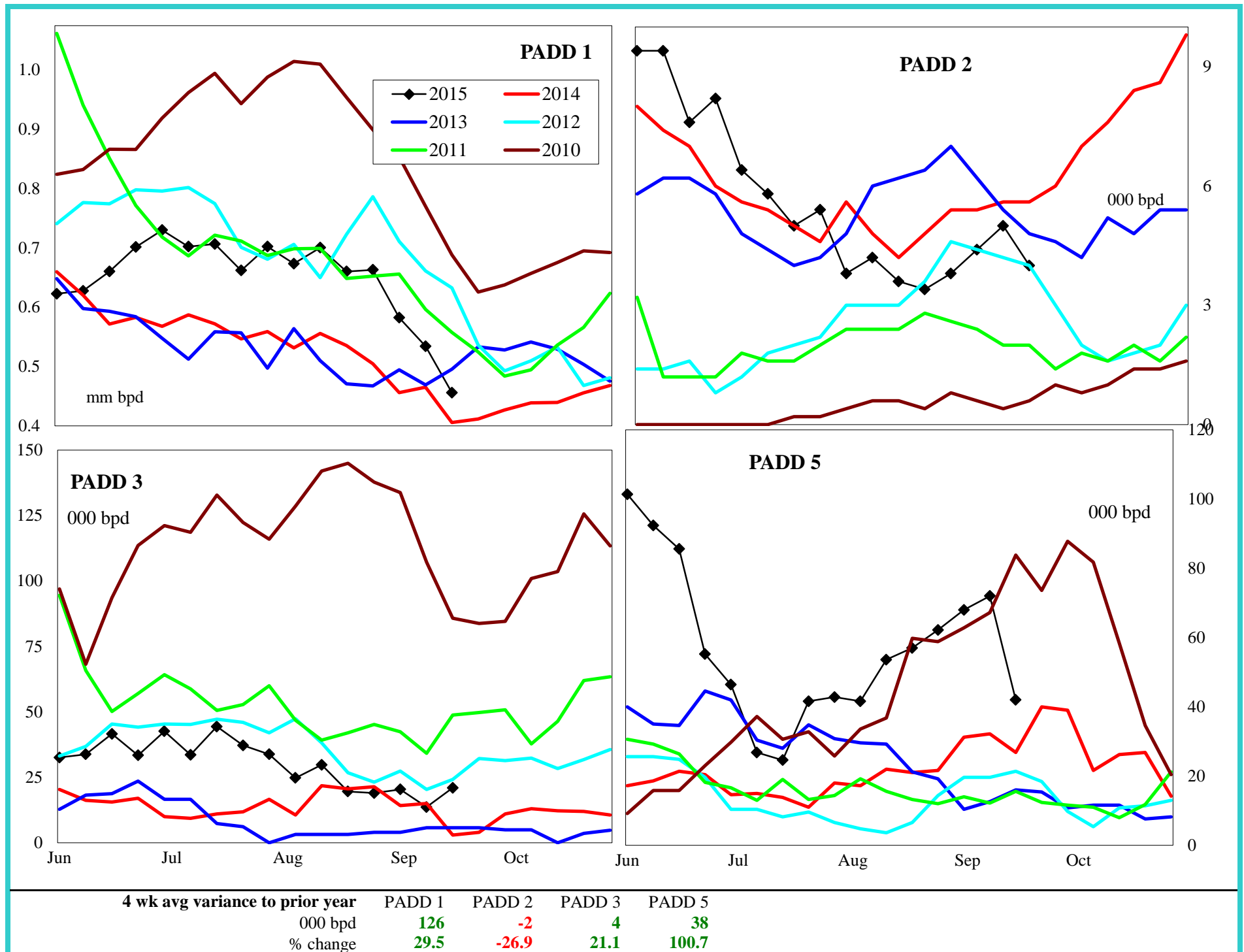
United States Petroleum Imports



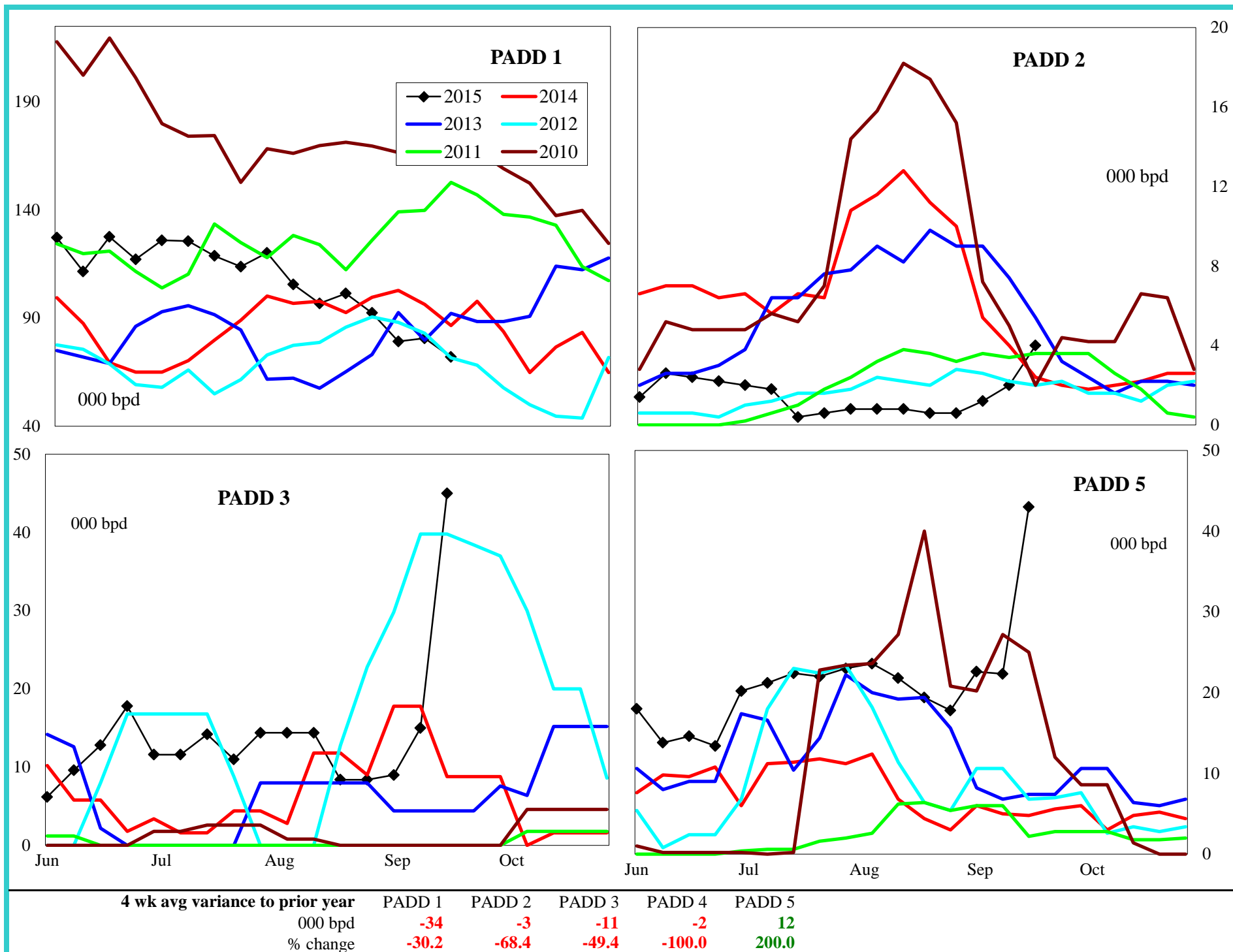
Crude Oil Imports by PADD



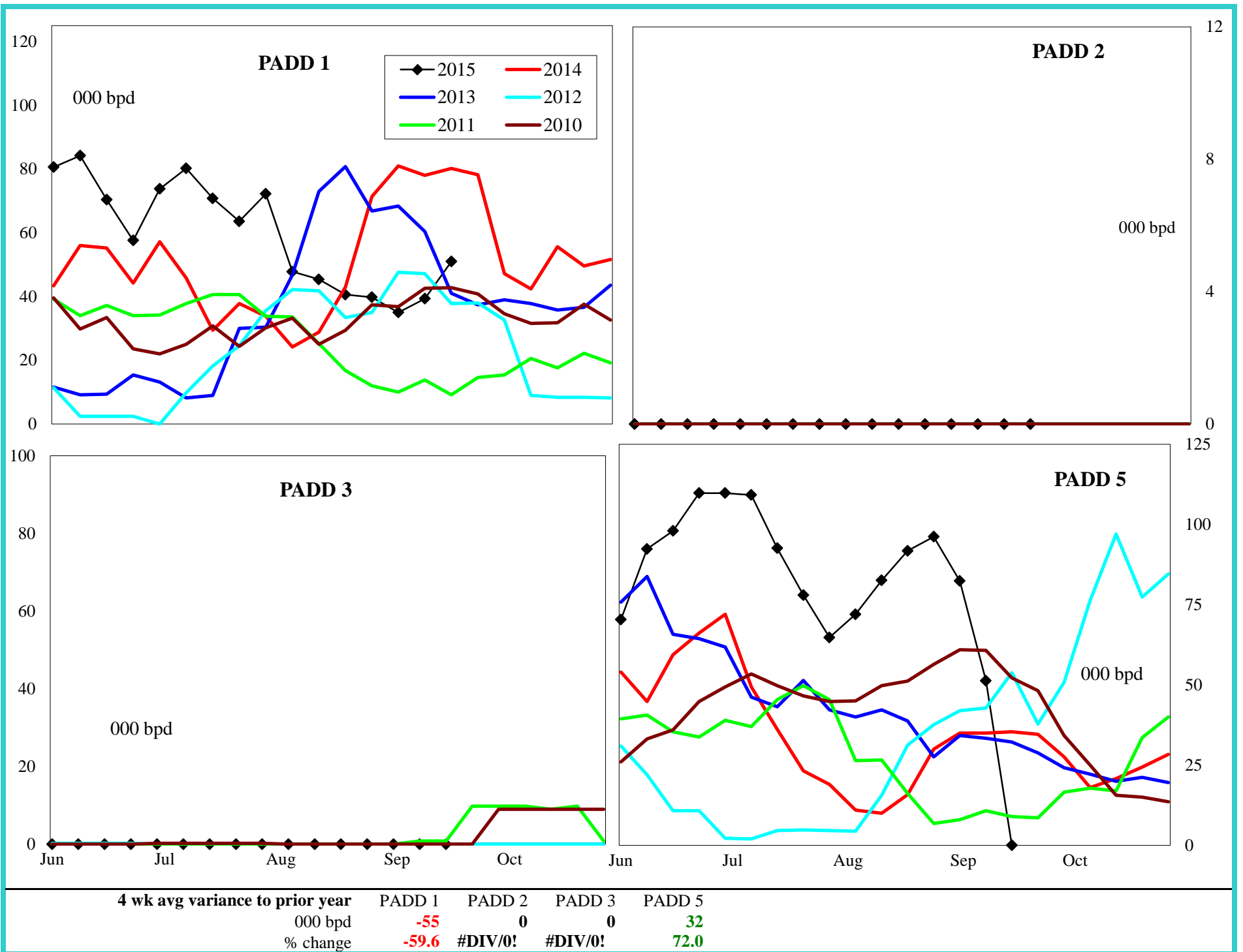
Gasoline Imports by PADD (Finished + Blend Stocks)



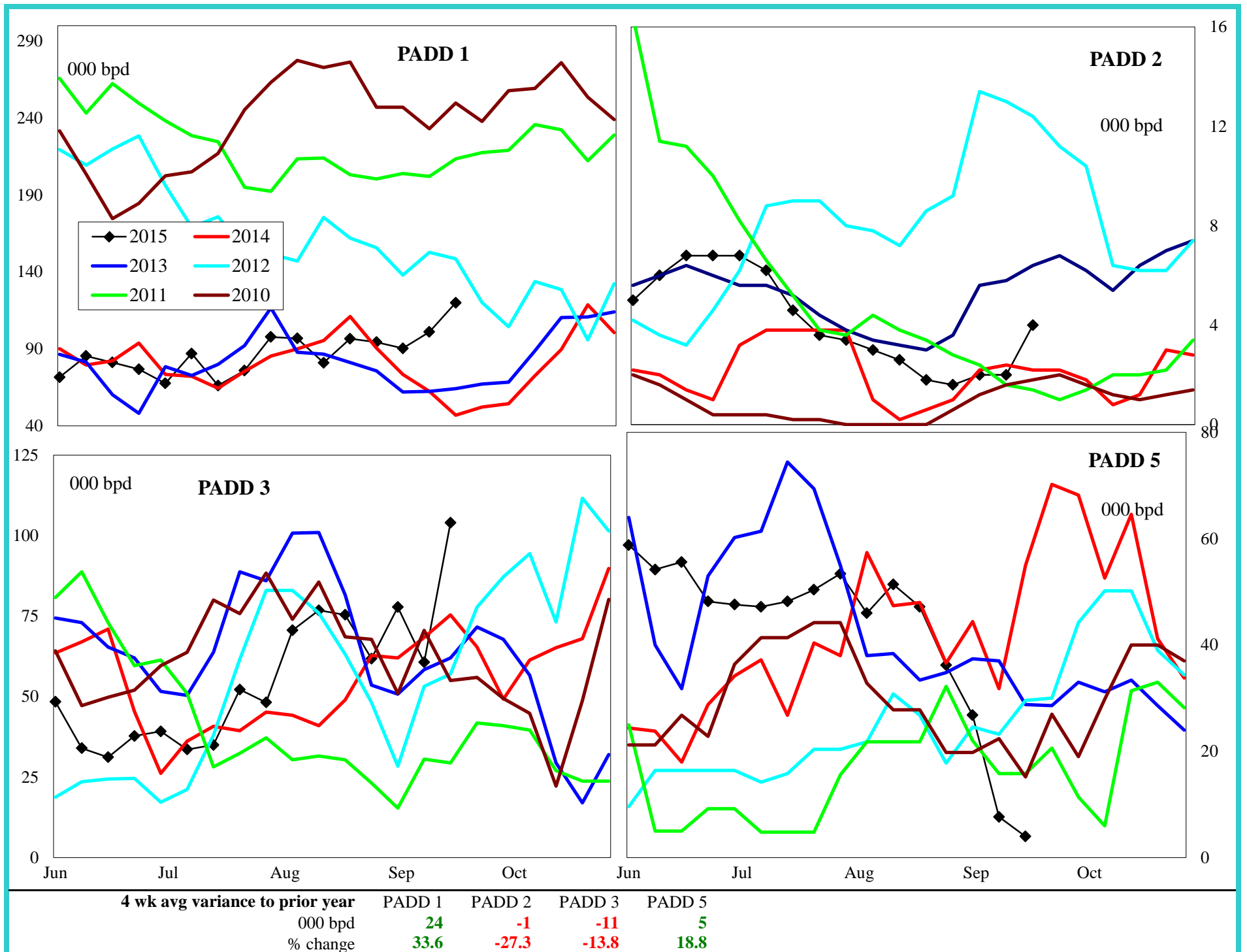
Distillate Imports by PADD



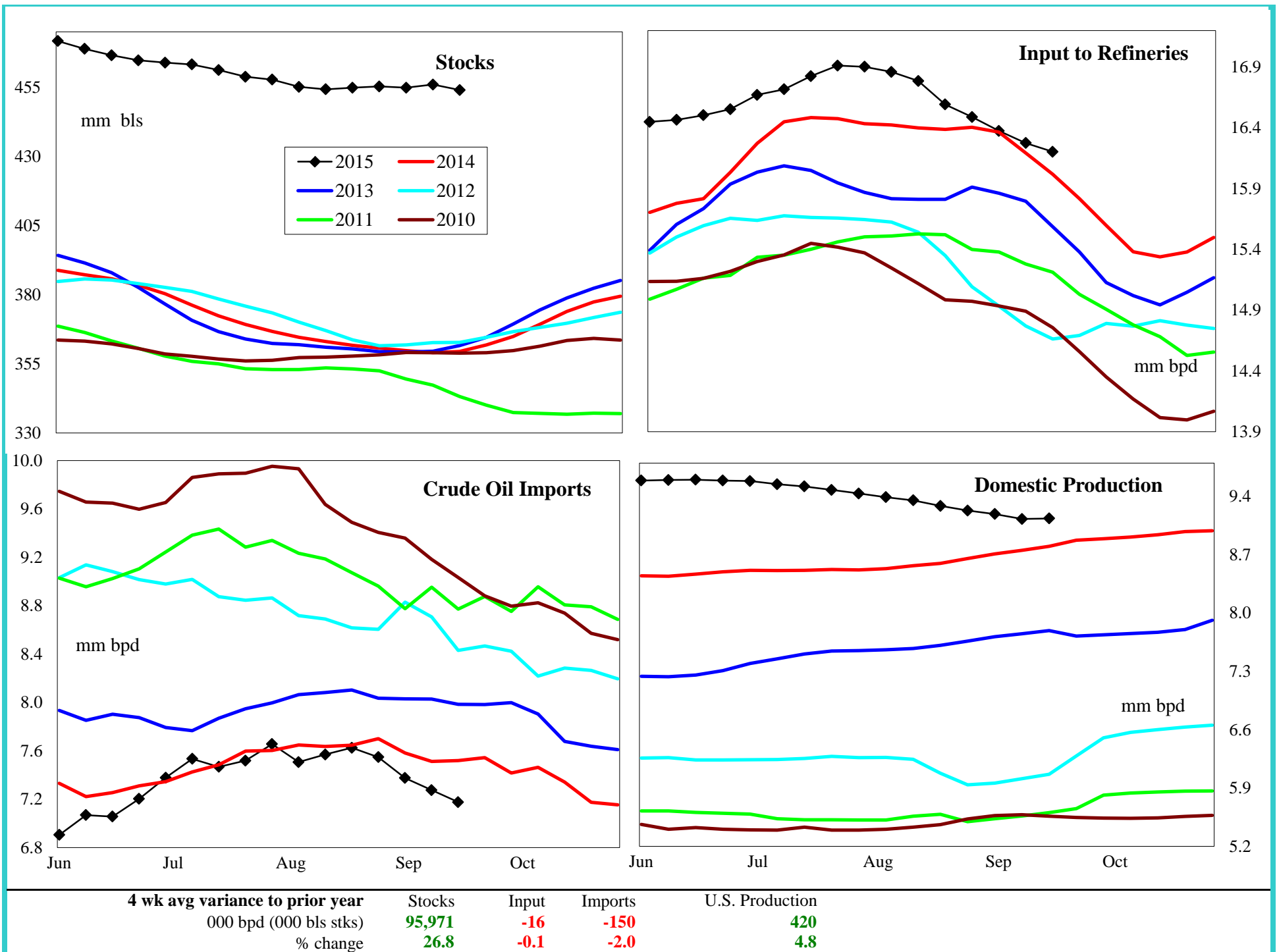
Jet Fuel Imports by PADD



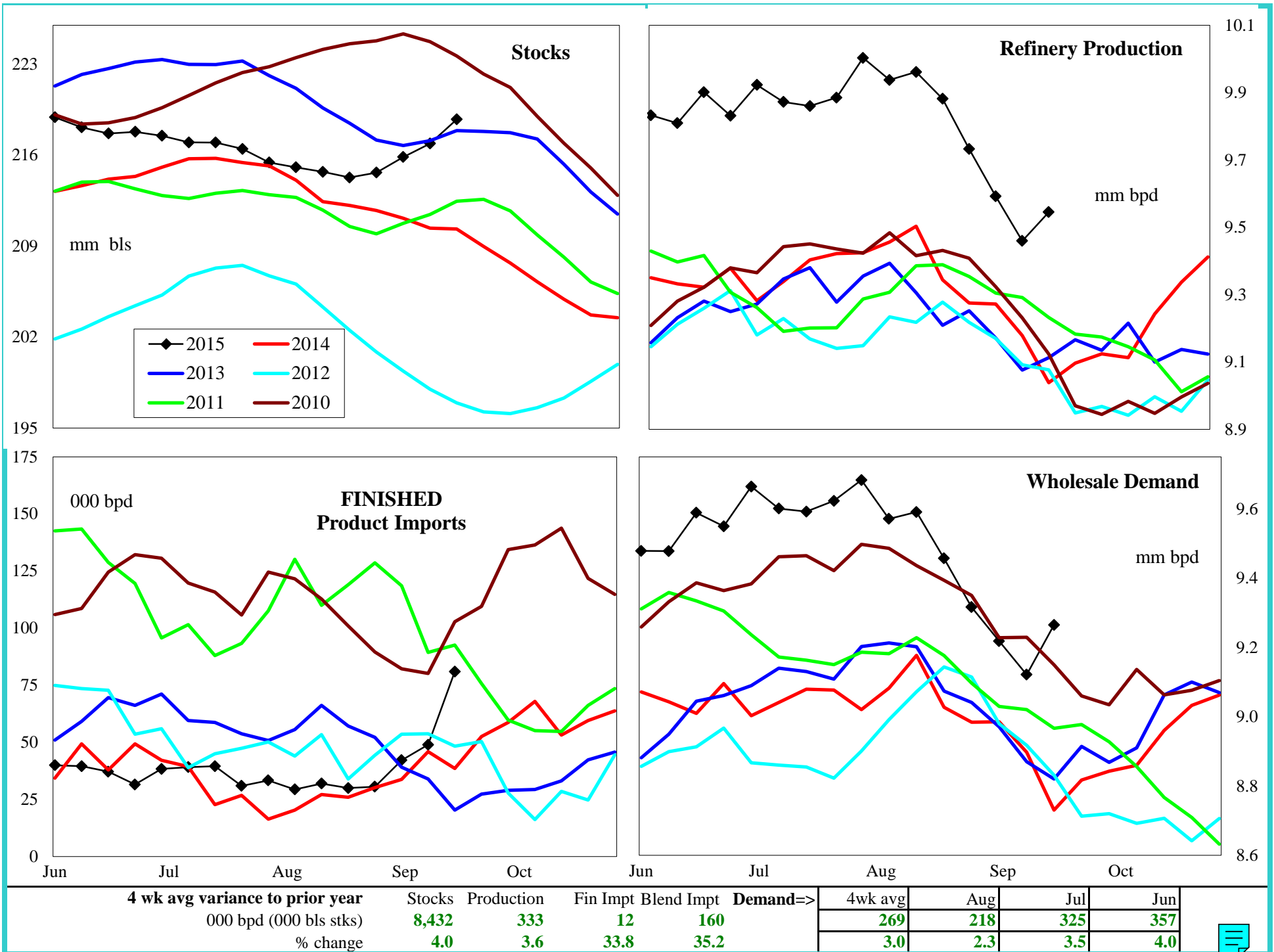
Residual Fuel Oil Imports by PADD



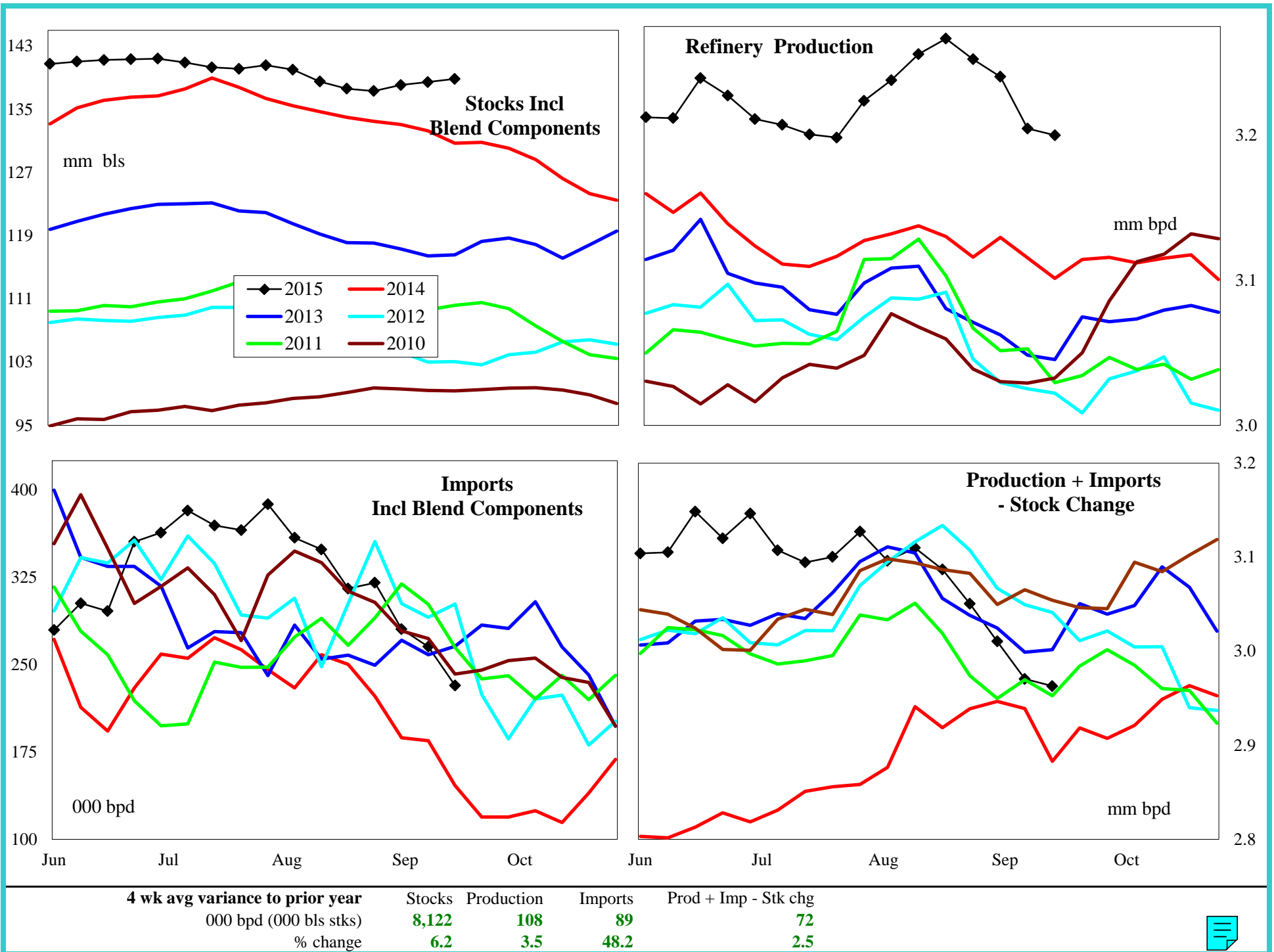
United States Crude Oil Supply and Demand Balance



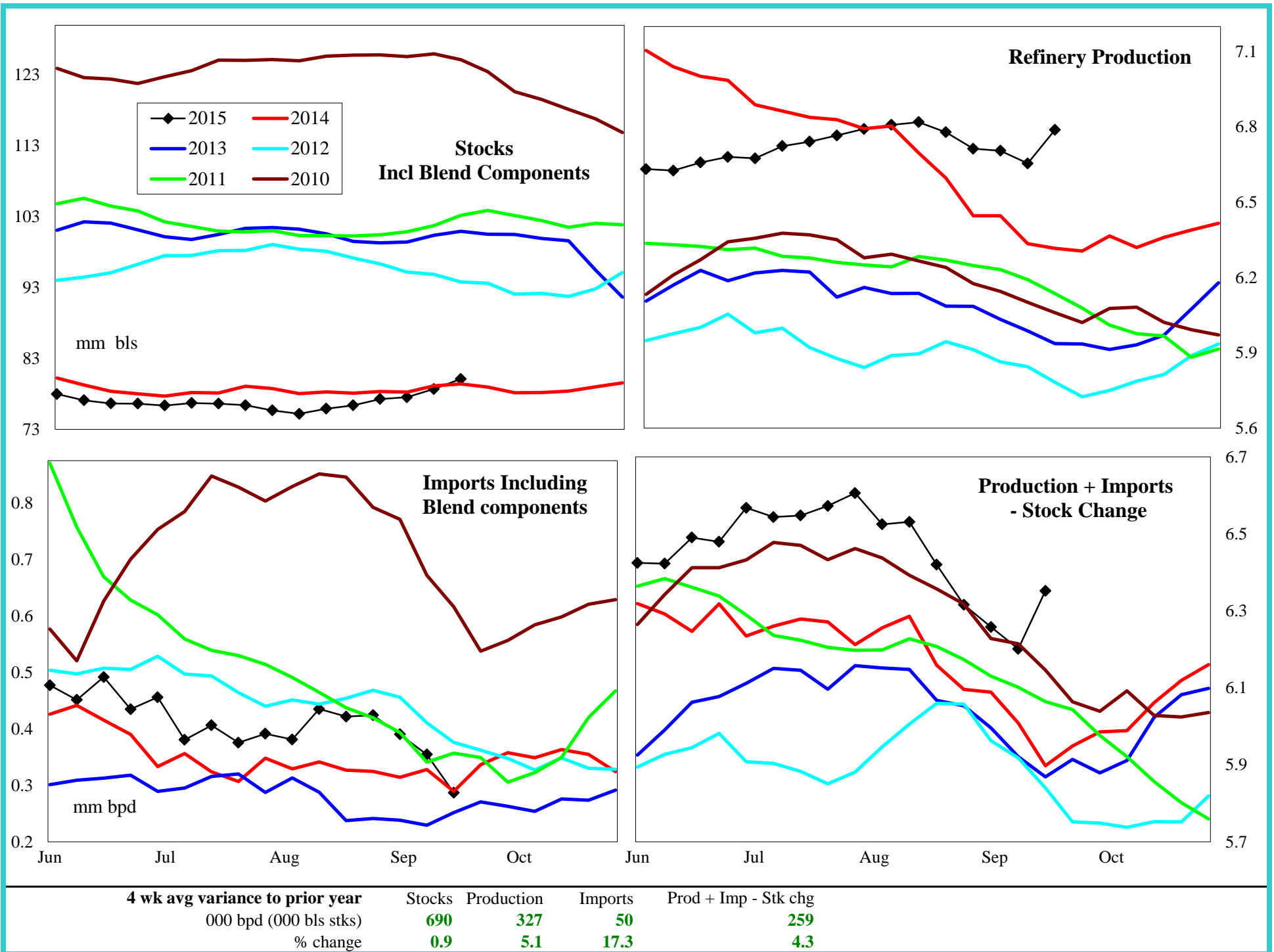
United States Gasoline Supply and Demand Balance



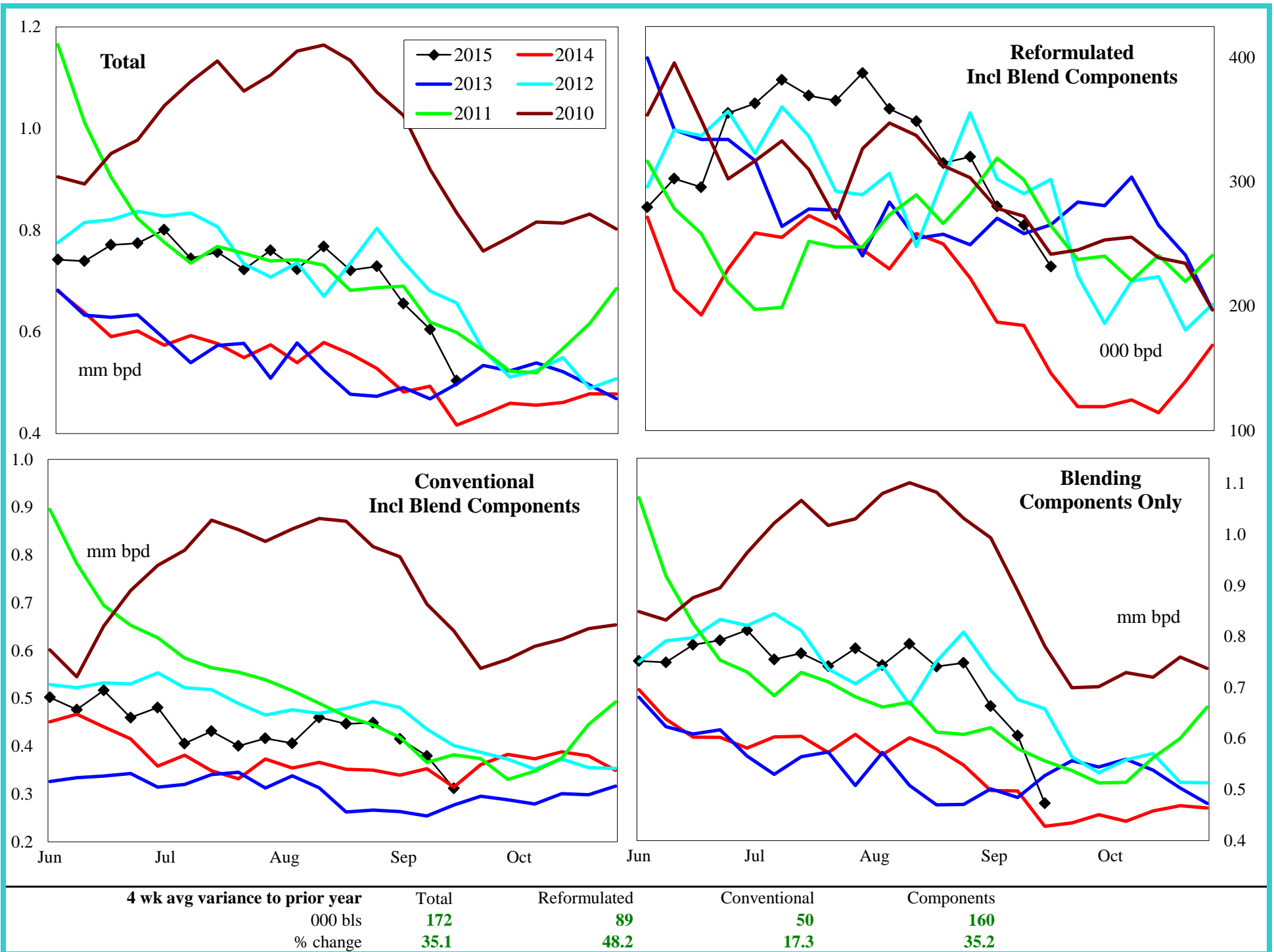
United States Reformulated Gasoline Supply



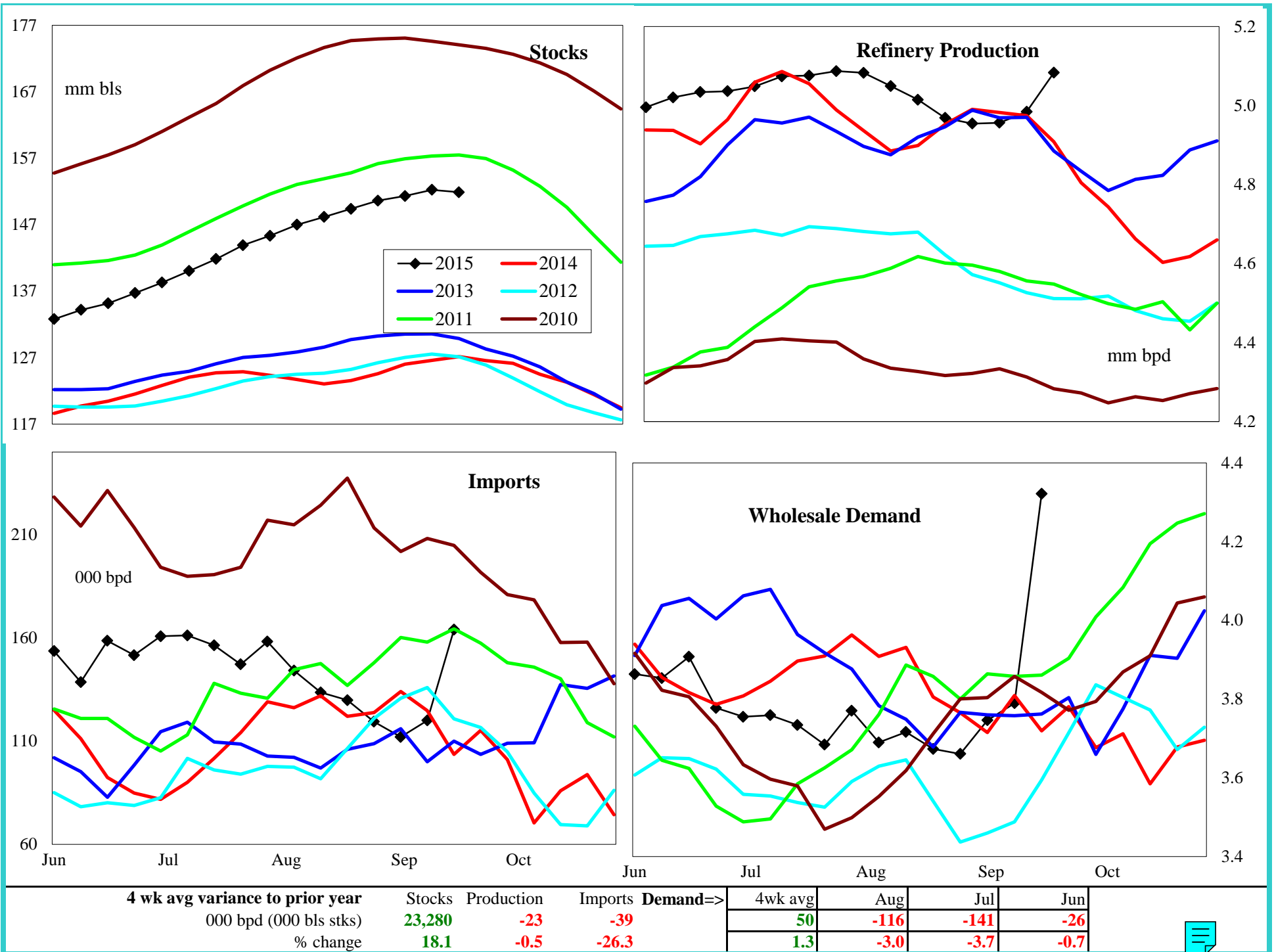
United States Conventional Gasoline Supply



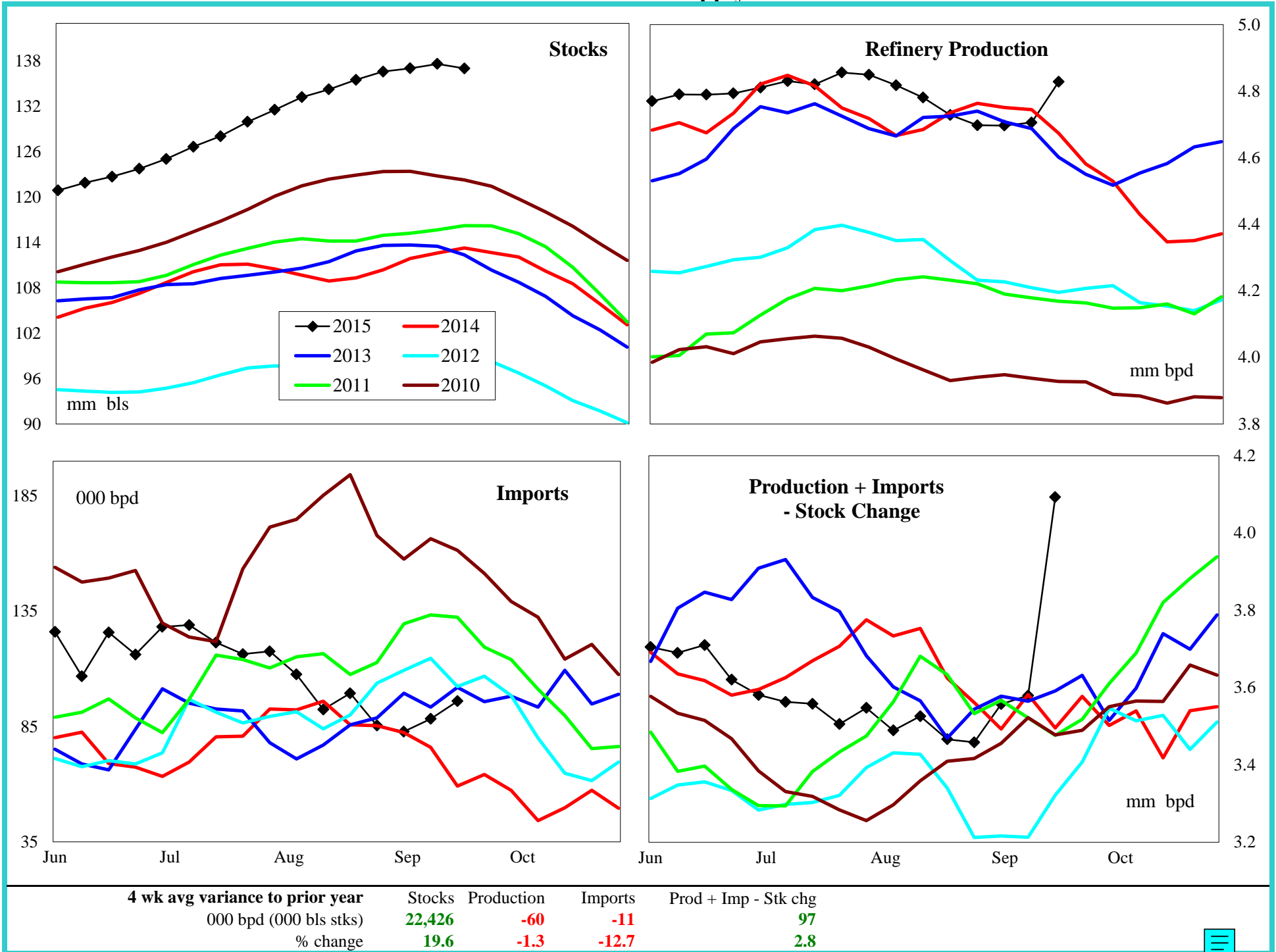
United States Gasoline Imports by Type



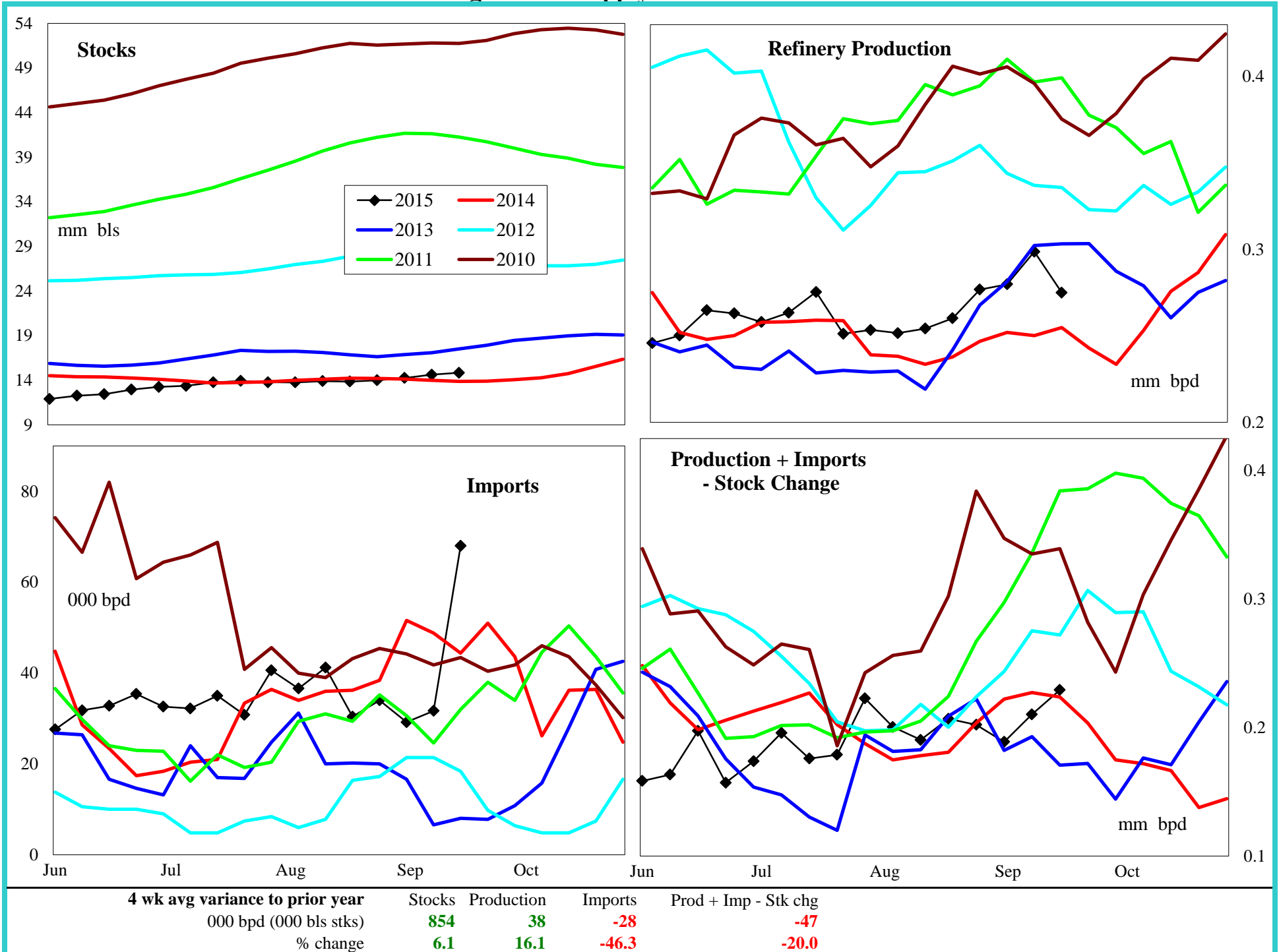
United States Distillate Supply and Demand Balance



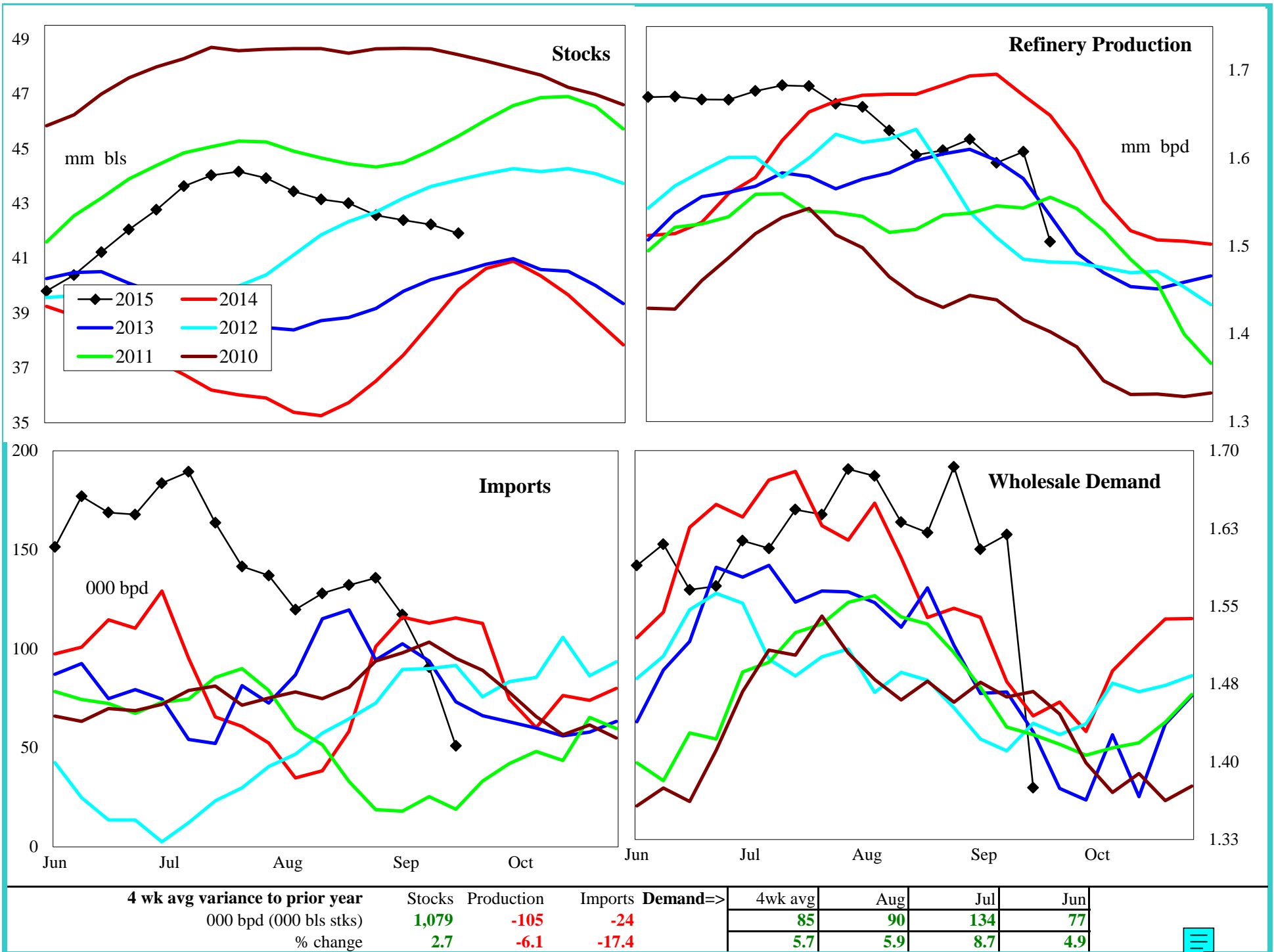
United States Low Sulfur Distillate Supply and Demand Balance



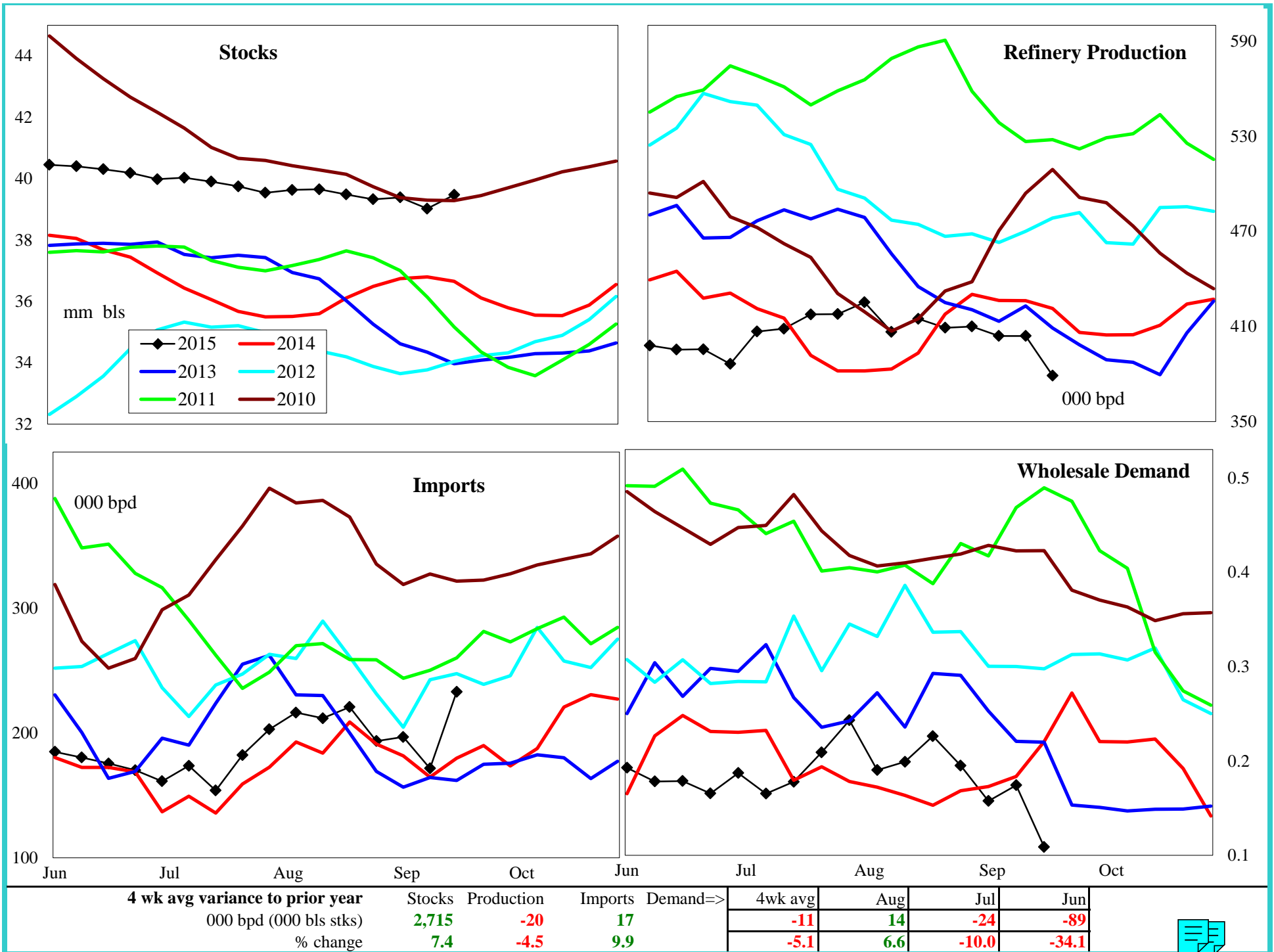
United States High Sulfur Supply Distillate and Demand Balance



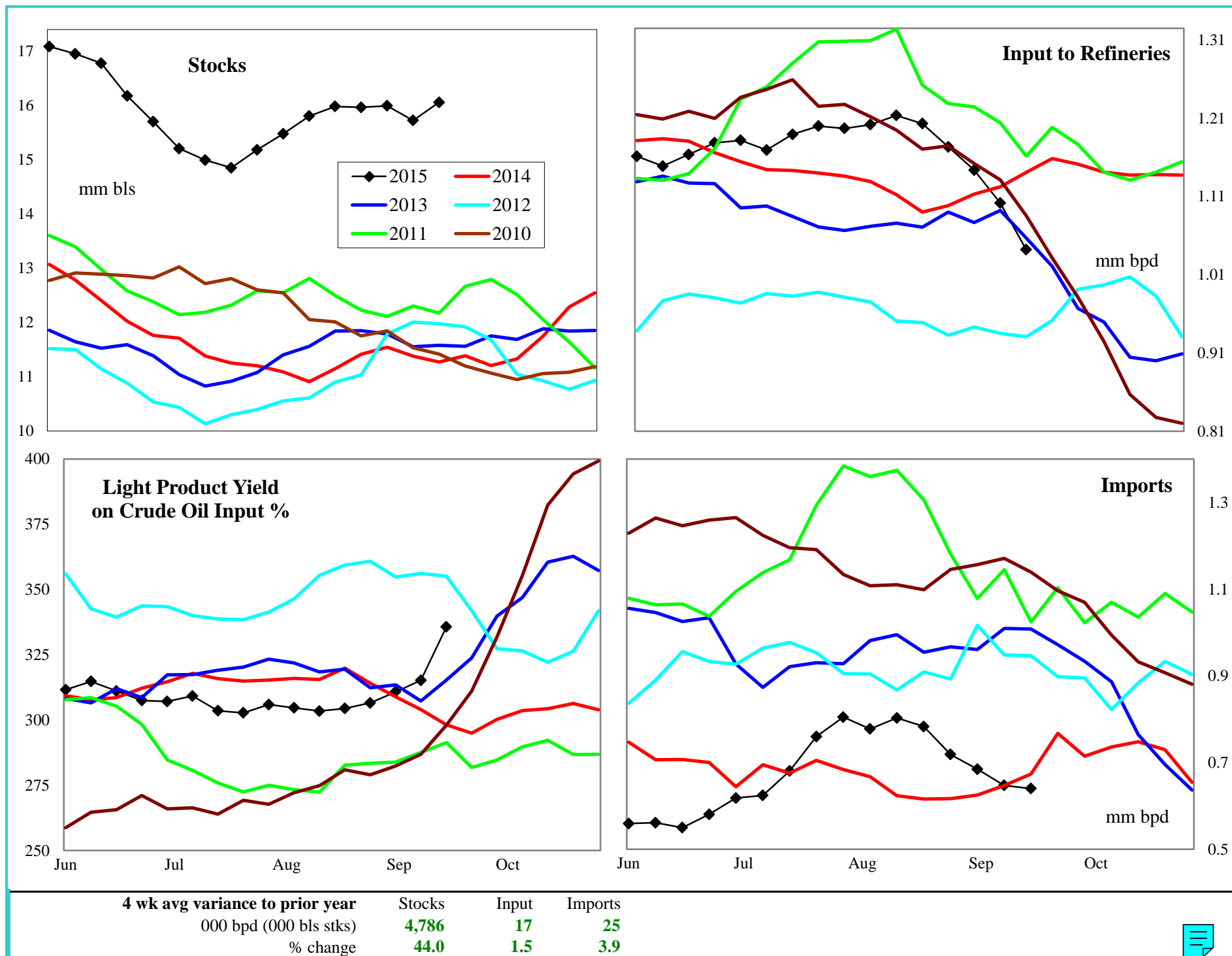
United States Jet Fuel Supply and Demand Balance



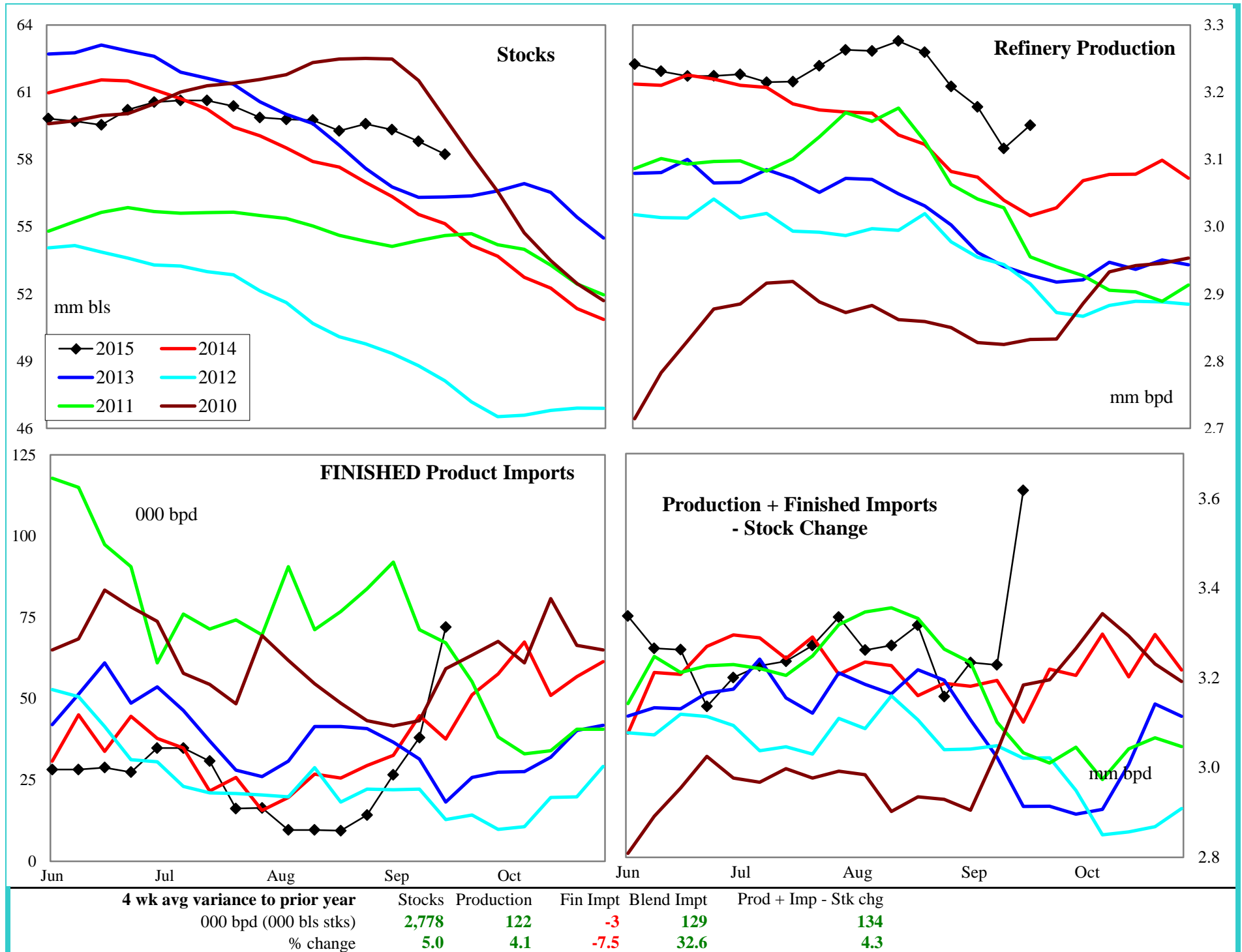
United States Residual Fuel Supply and Demand Balance



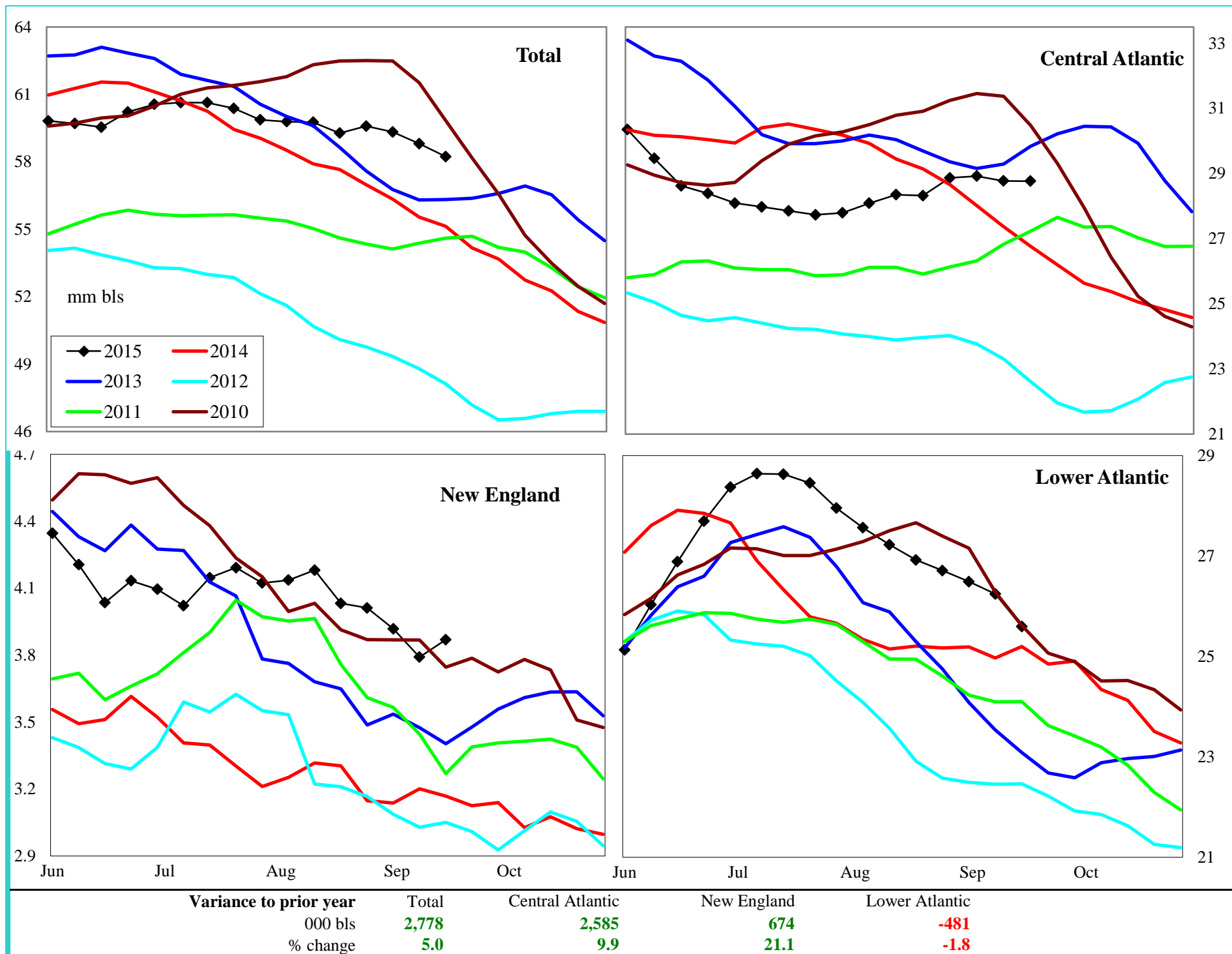
PADD 1 Crude Oil Supply and Refining



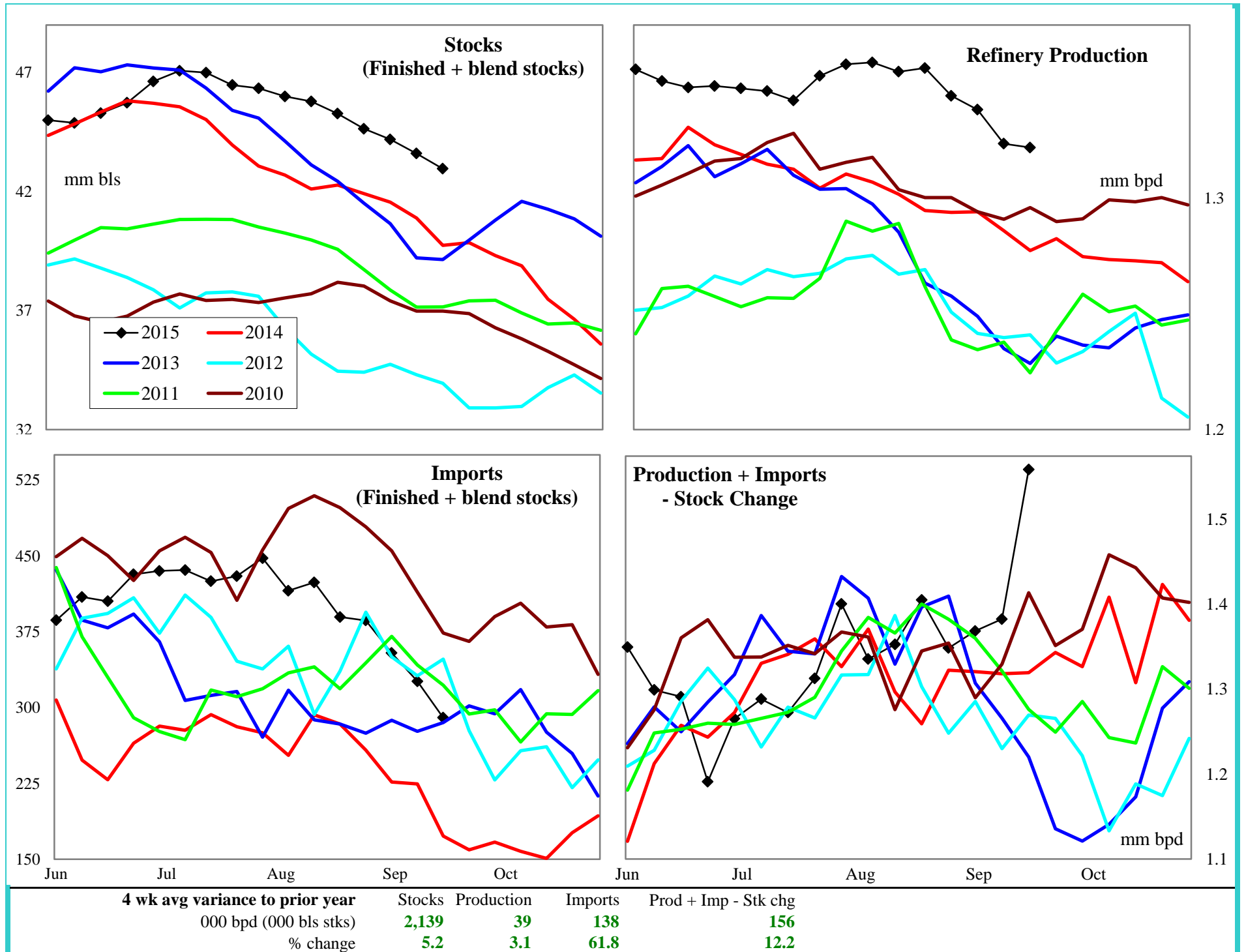
PADD 1 Gasoline Supply



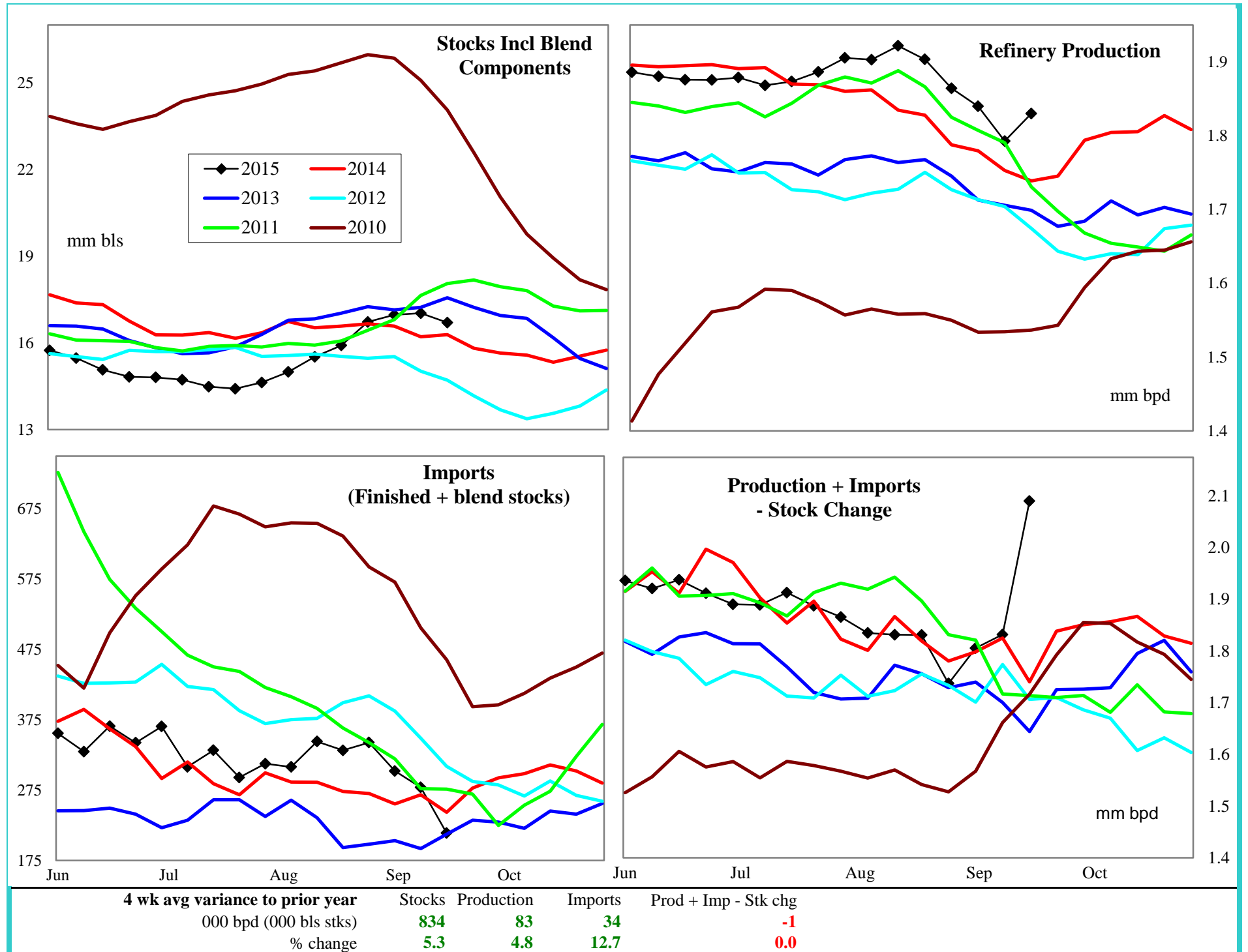
PADD 1 Gasoline Stocks by Region



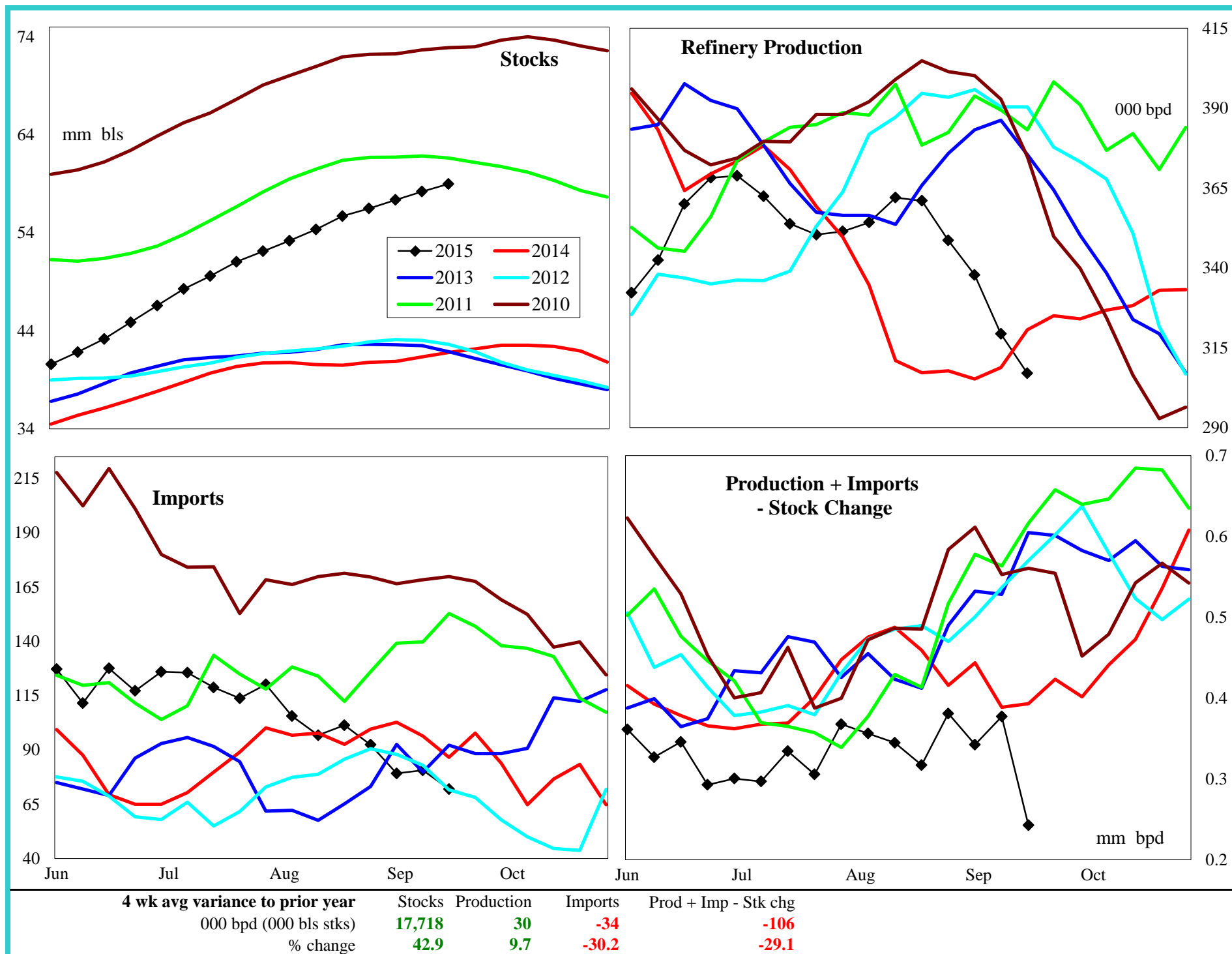
PADD 1 Reformulated Gasoline Supply



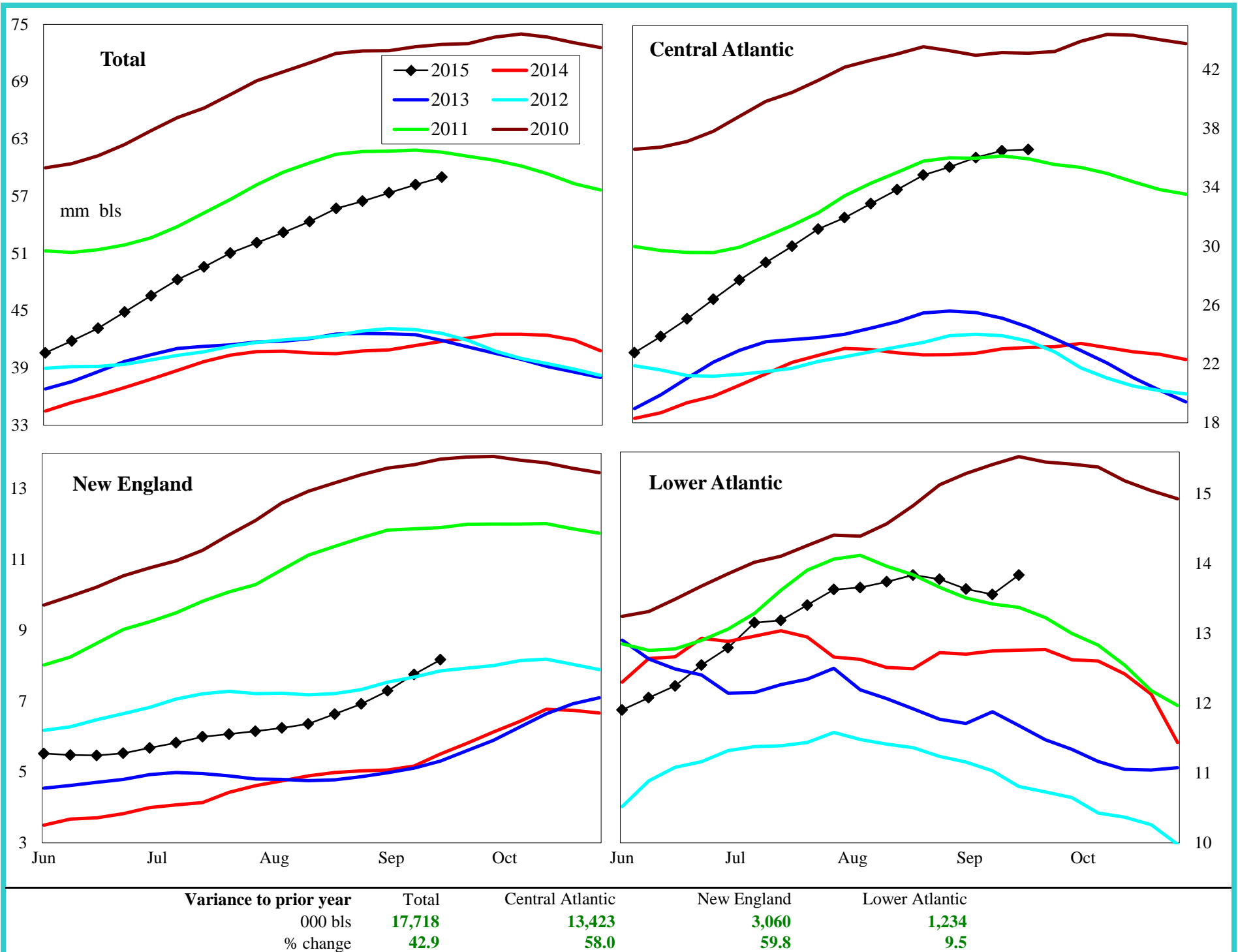
PADD 1 Conventional Gasoline Supply



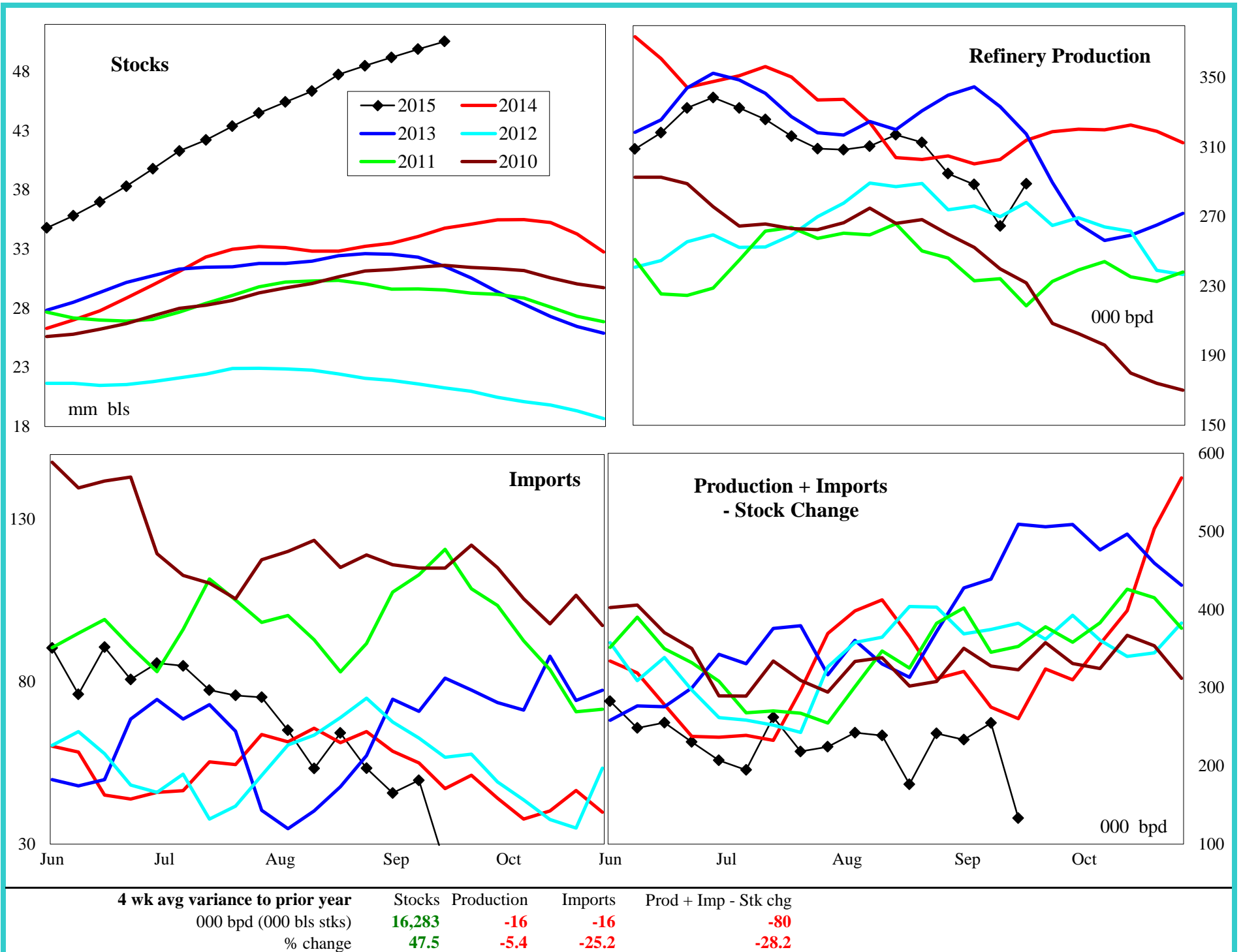
PADD 1 Distillate Supply



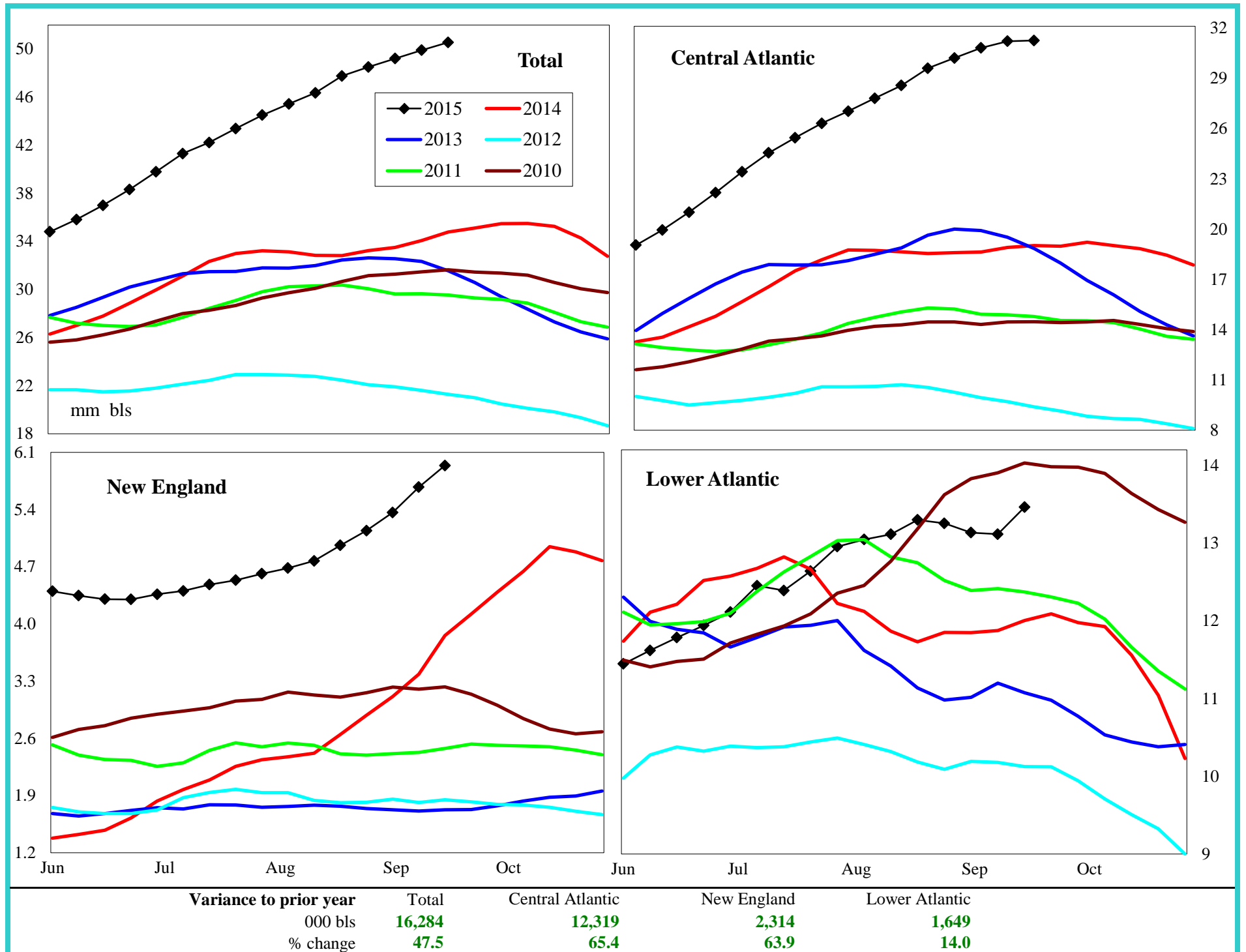
PADD 1 Distillate Stocks by Region



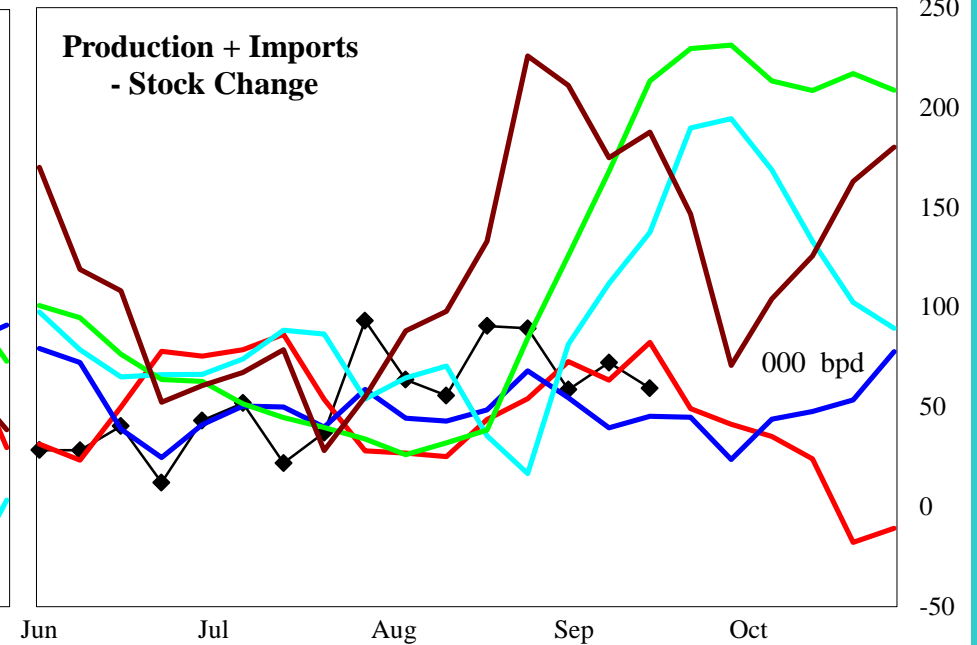
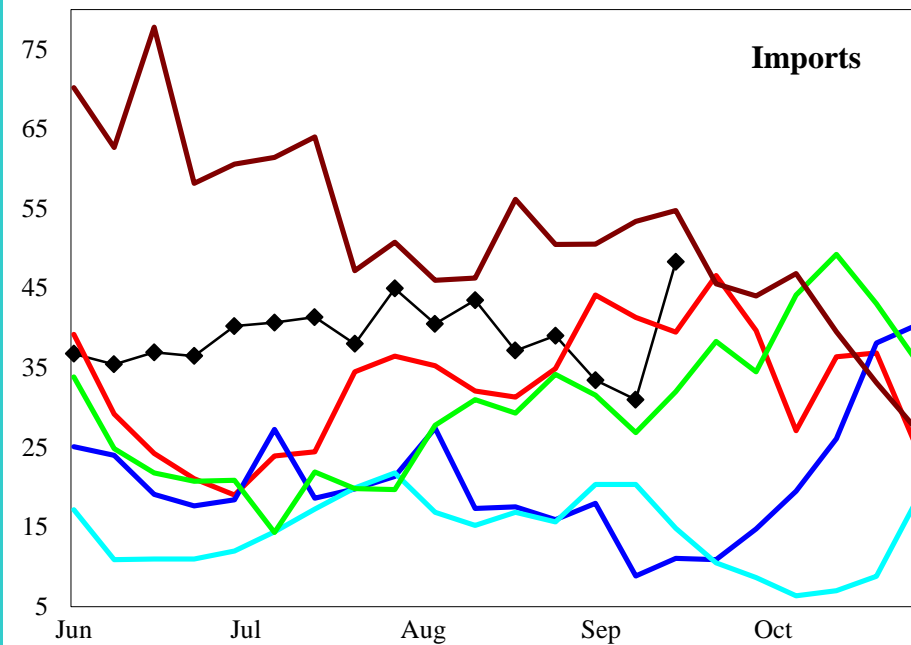
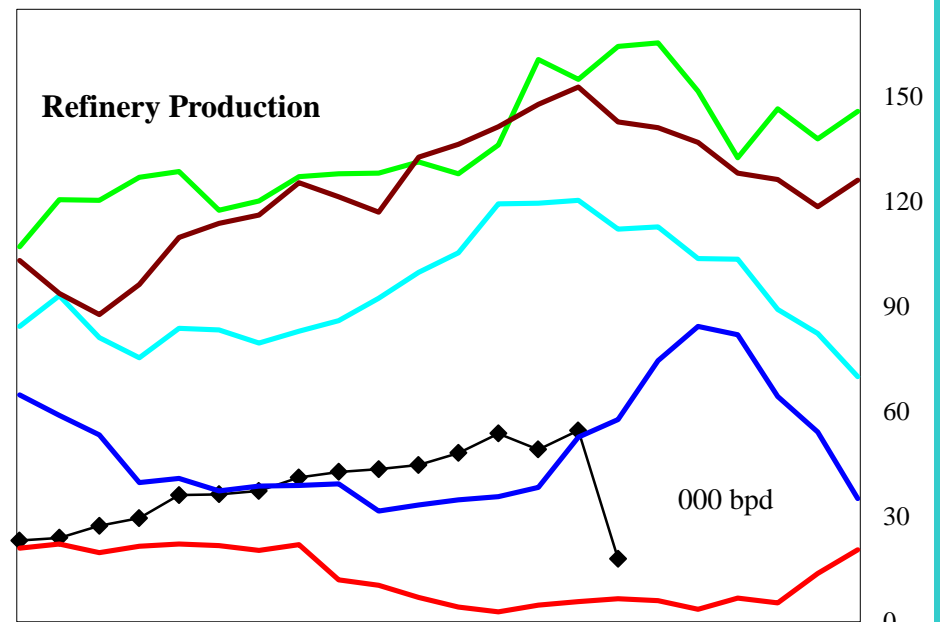
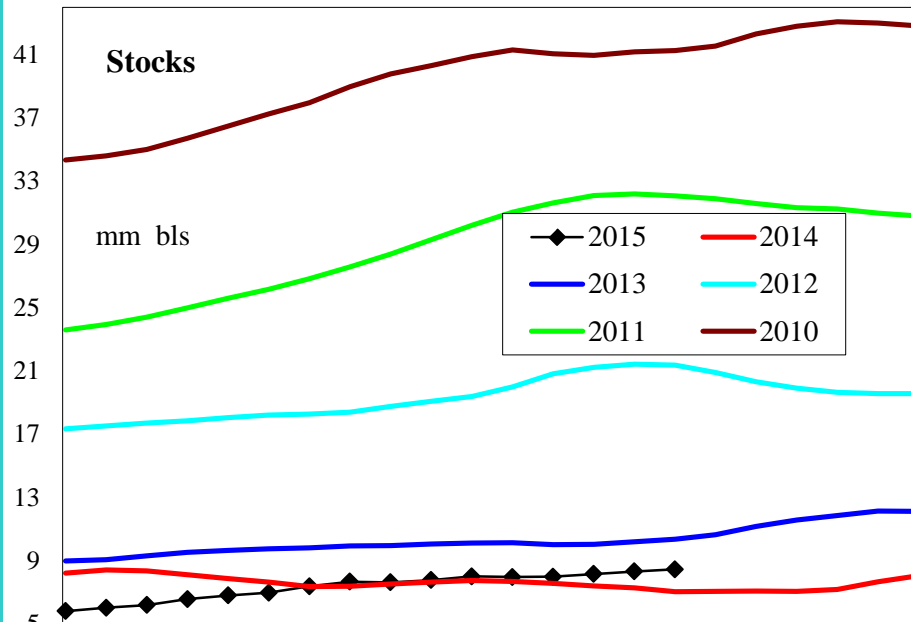
PADD 1 Low Sulfur Distillate Supply



PADD 1 Low Sulfur Distillate Stocks by Region



PADD 1 High Sulfur Distillate Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

1,434

46

-18

-25

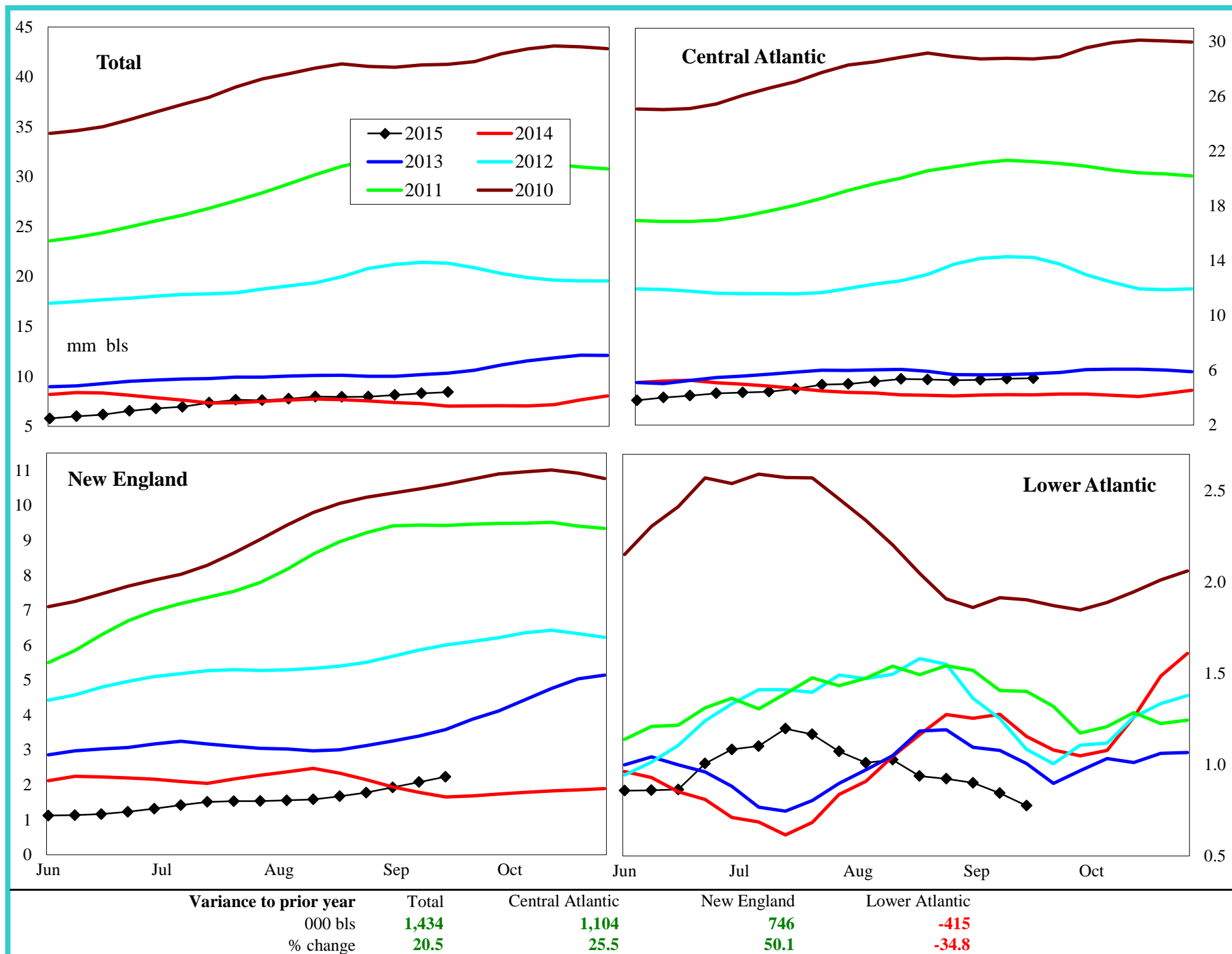
20.5

957.9

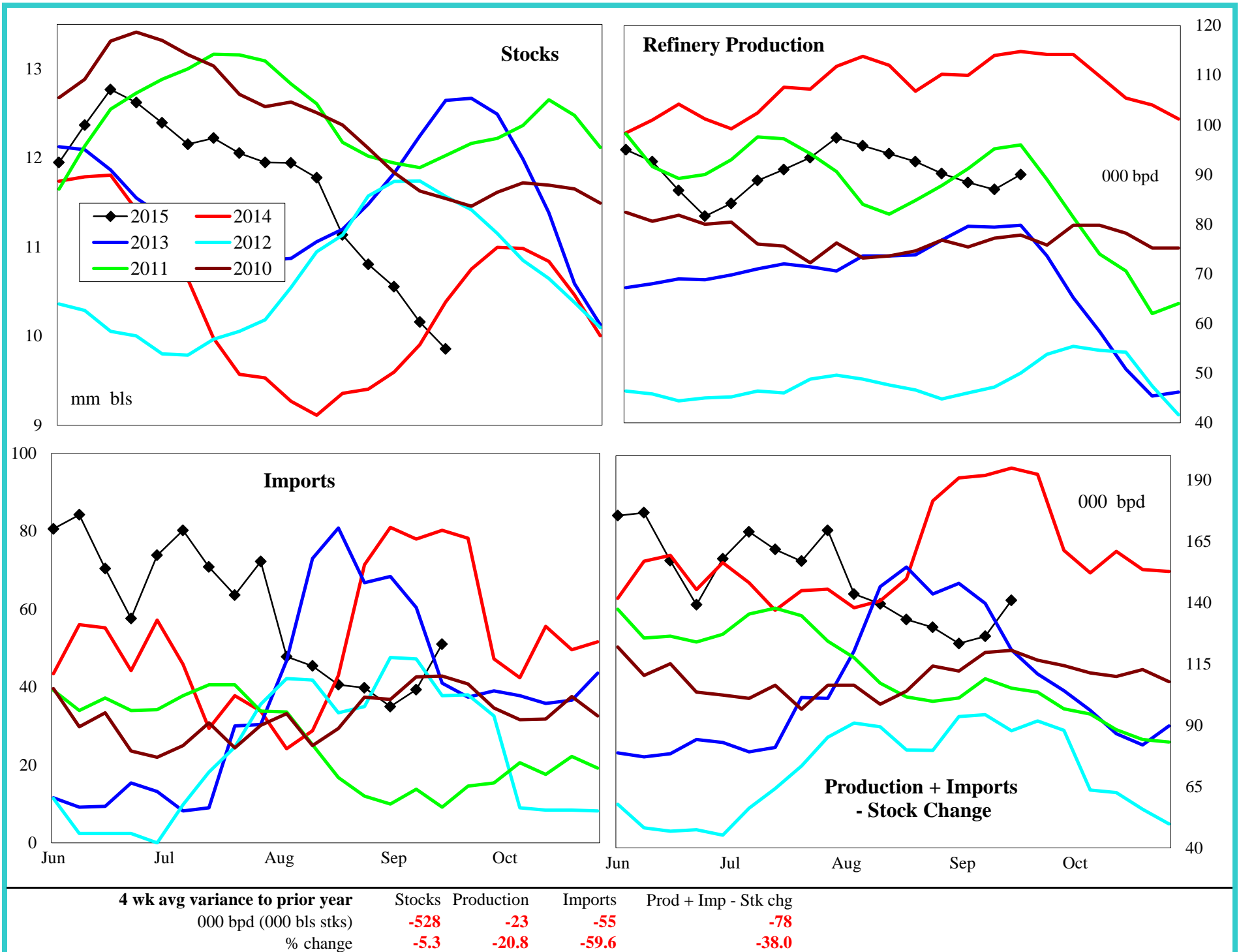
-36.4

-32.2

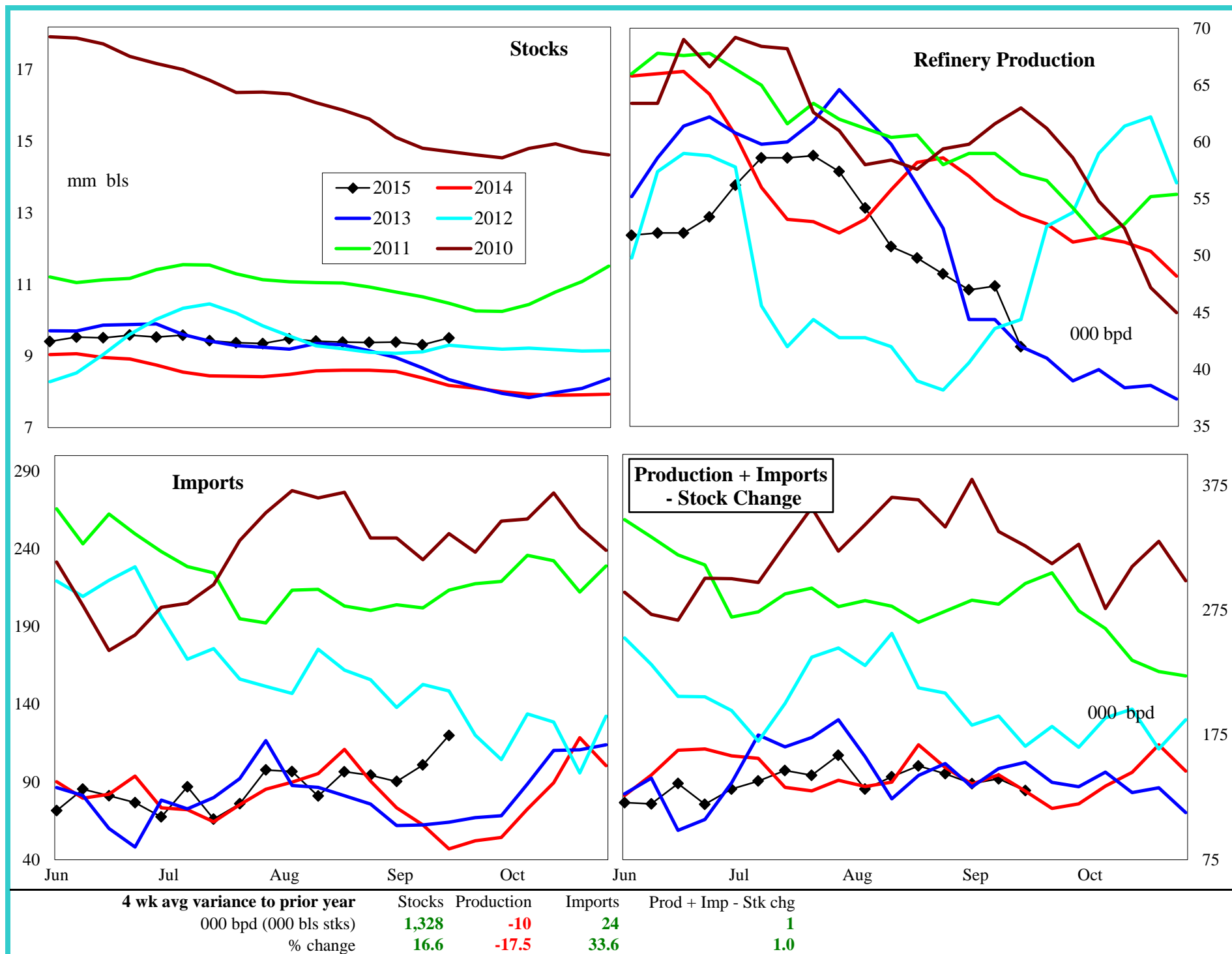
PADD 1 High Sulfur Distillate Stocks by Region



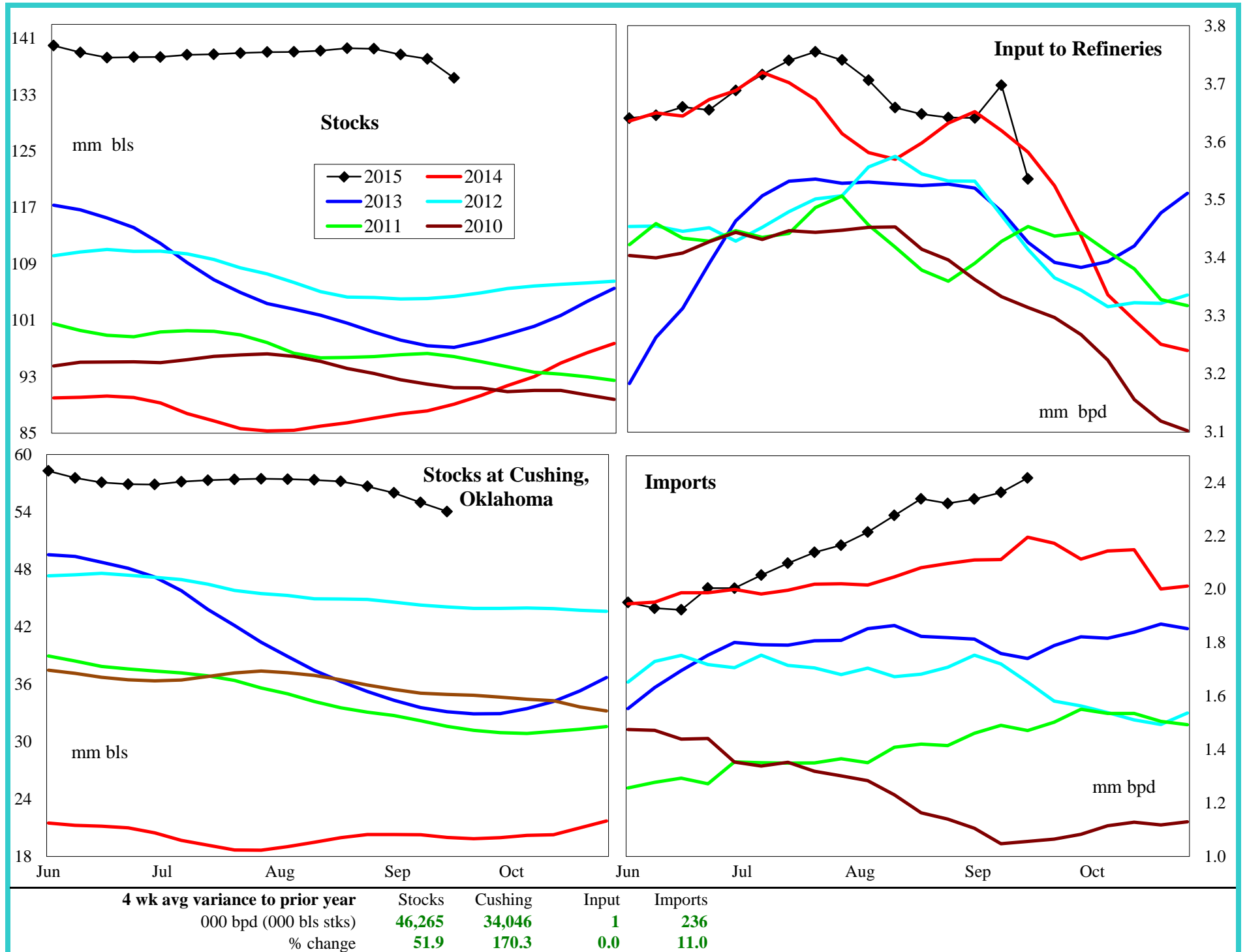
PADD 1 Jet Fuel Supply



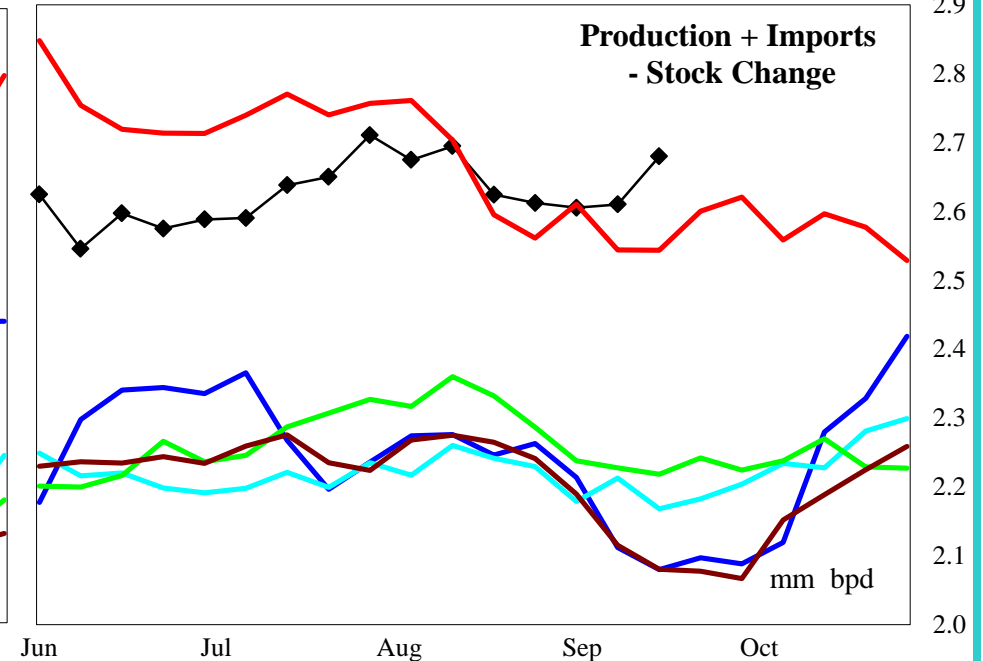
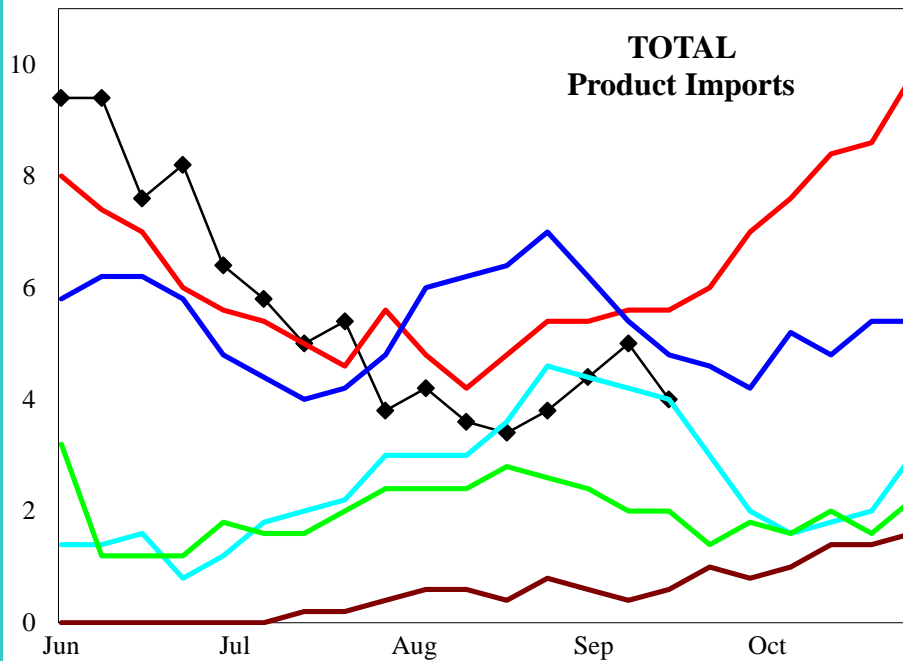
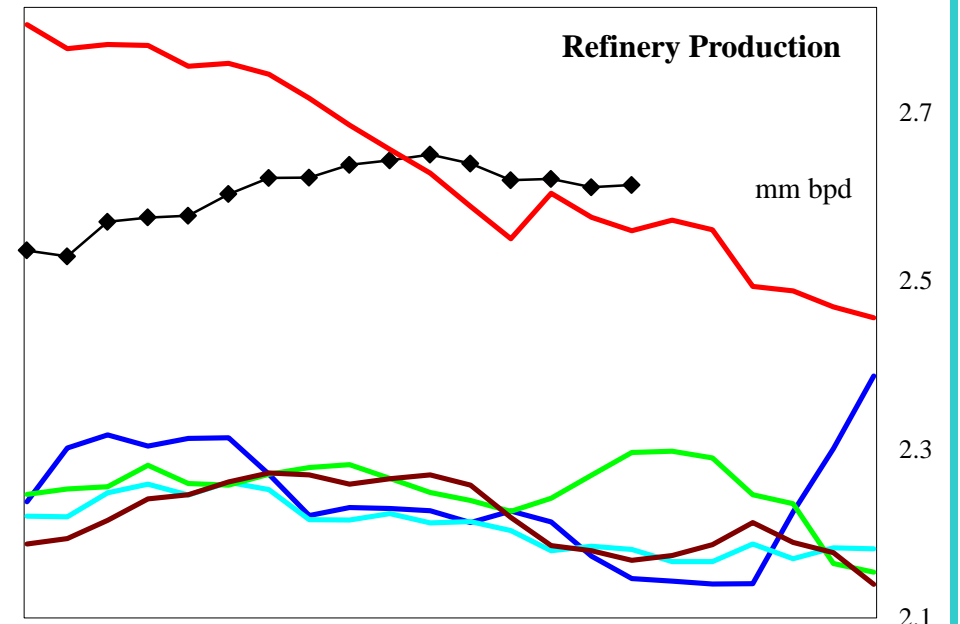
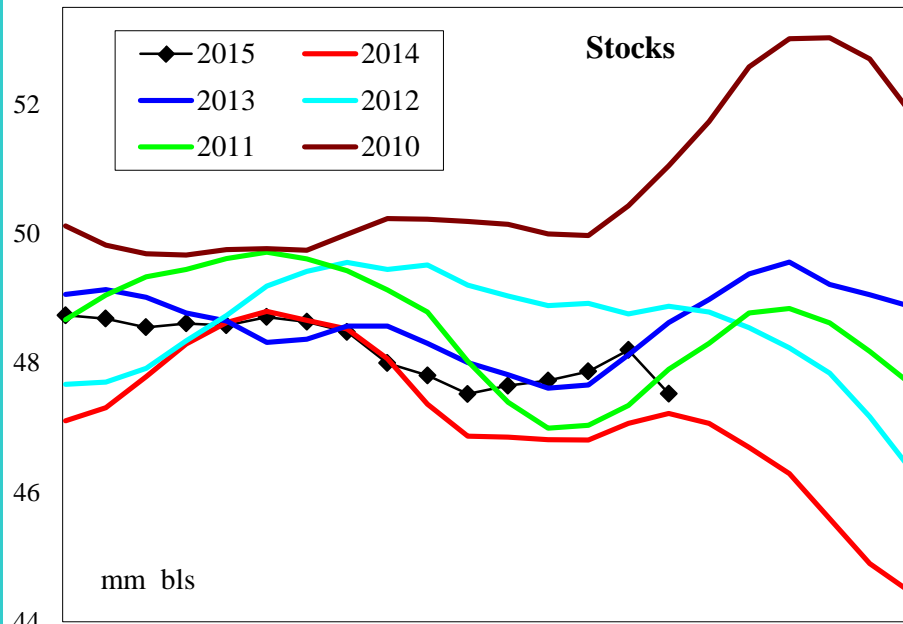
PADD 1 Residual Fuel Oil Supply



PADD 2 Crude Oil Supply and Refining



PADD 2 Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

306

28

-2

54

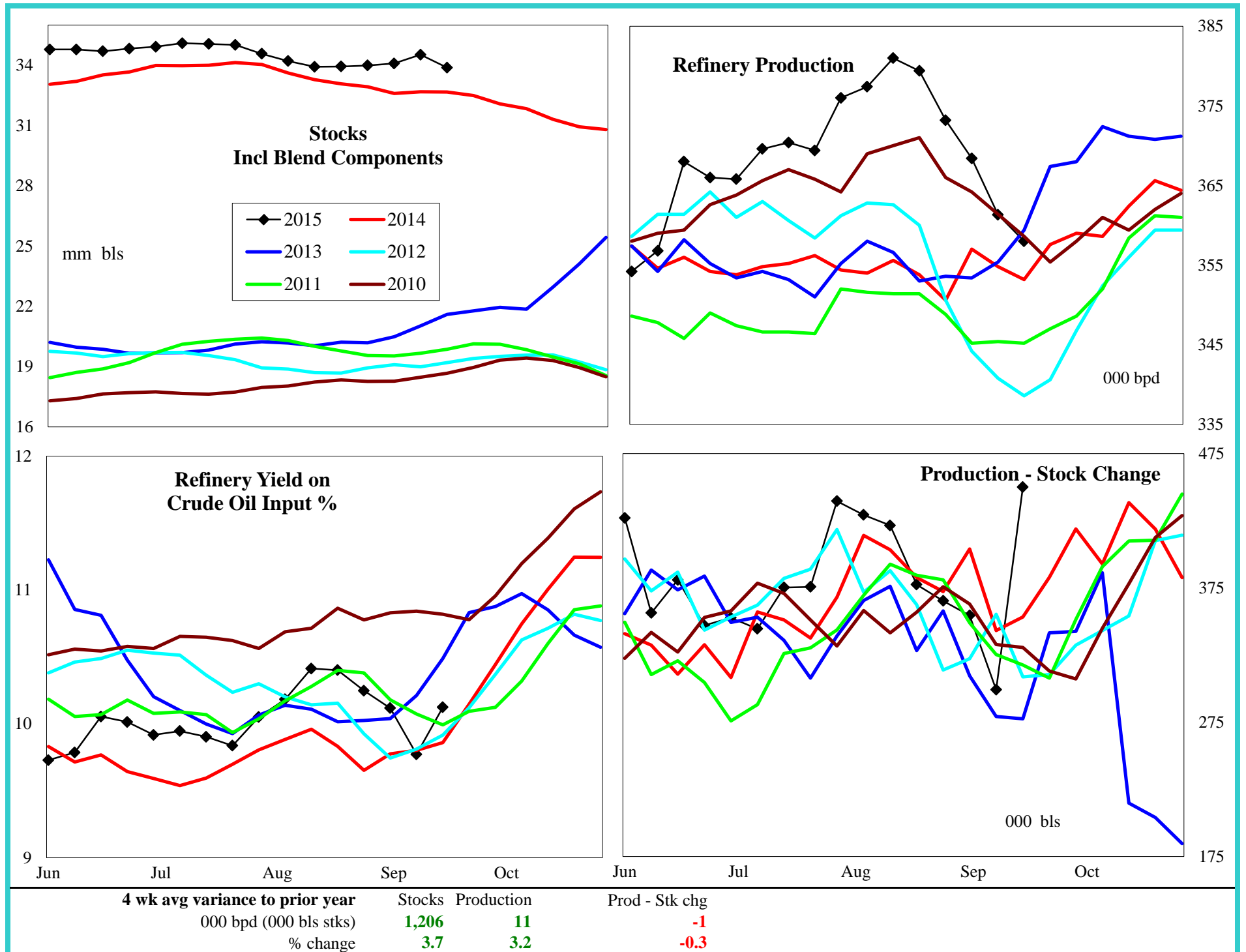
0.6

1.1

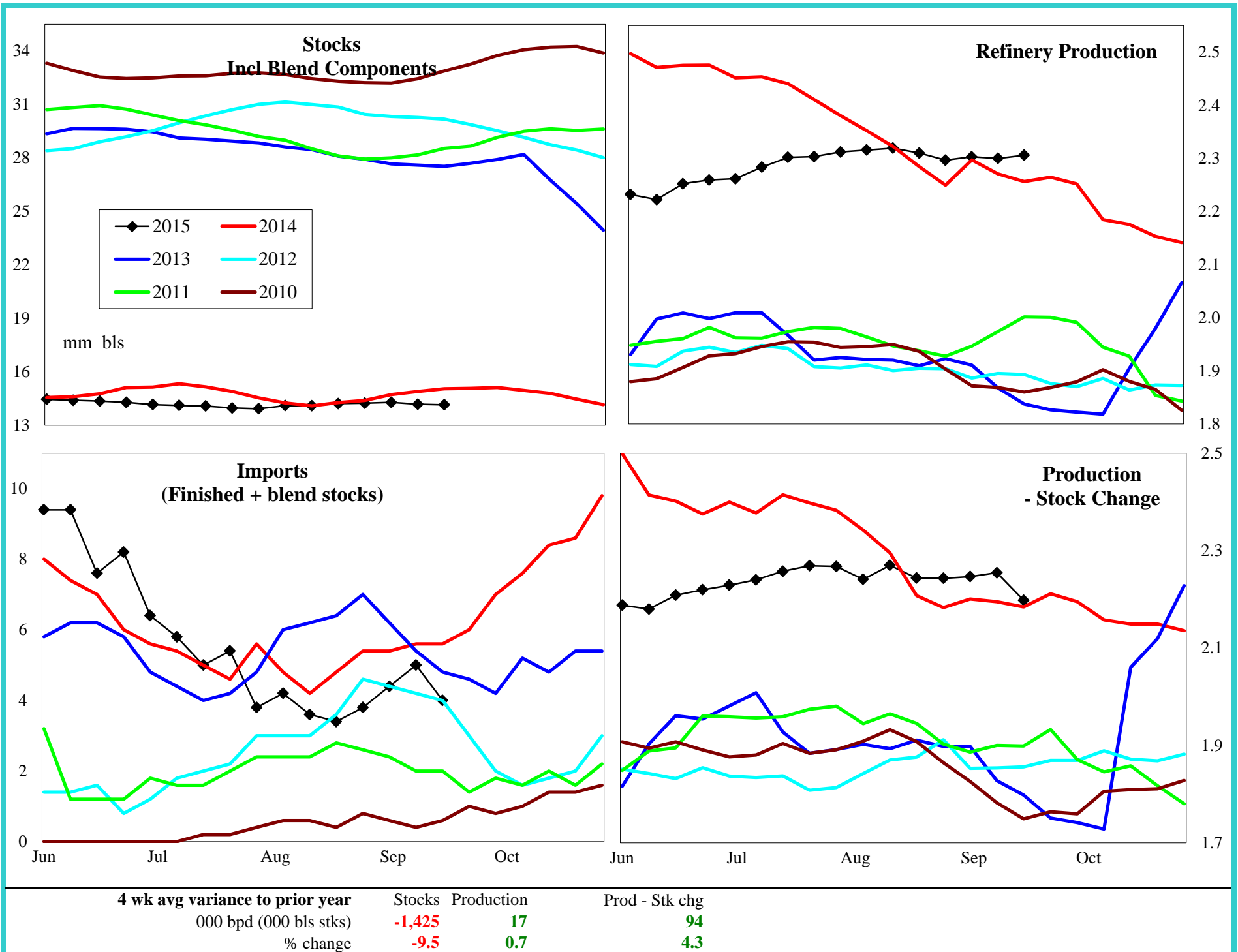
-26.9

2.1

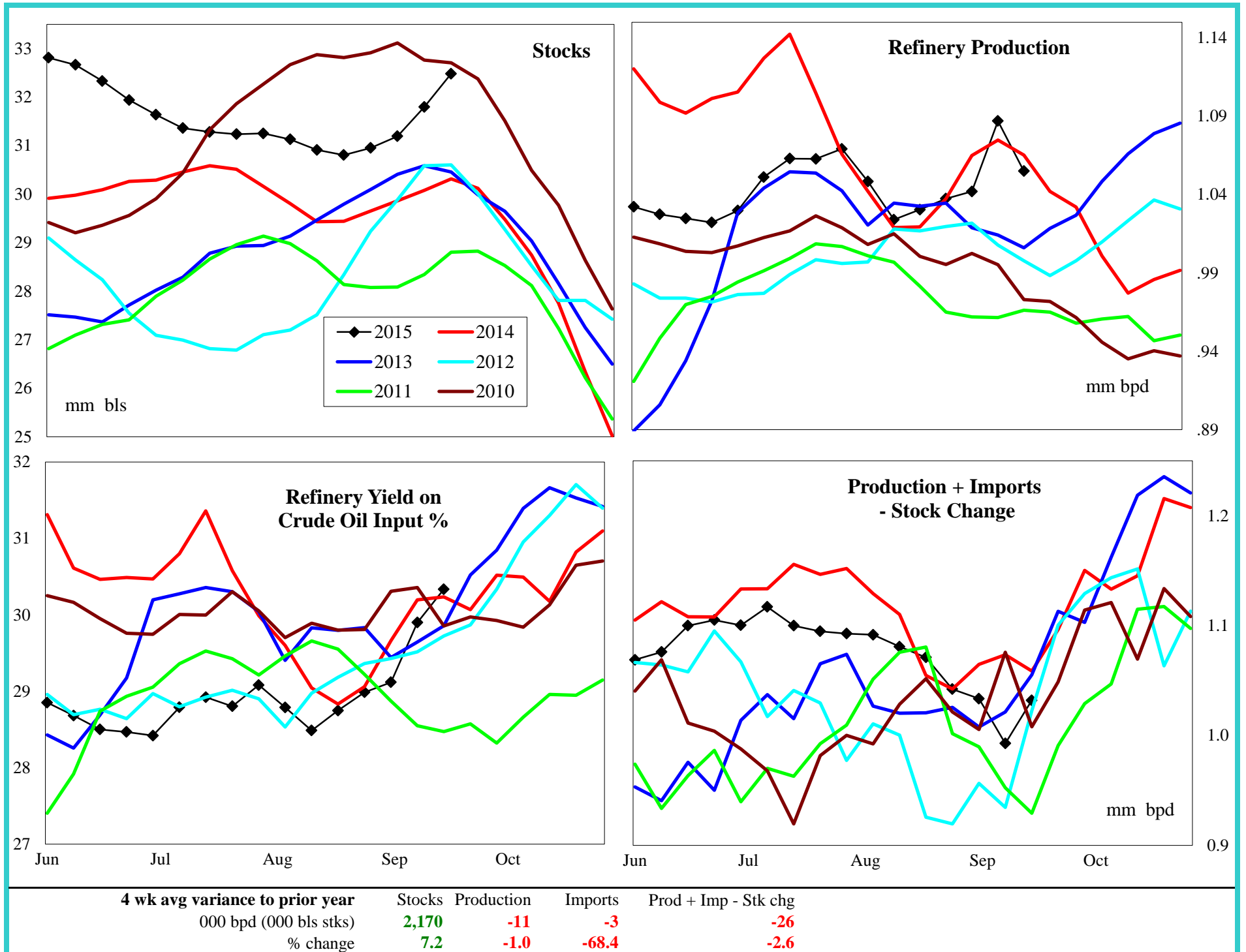
PADD 2 Reformulated Gasoline Supply



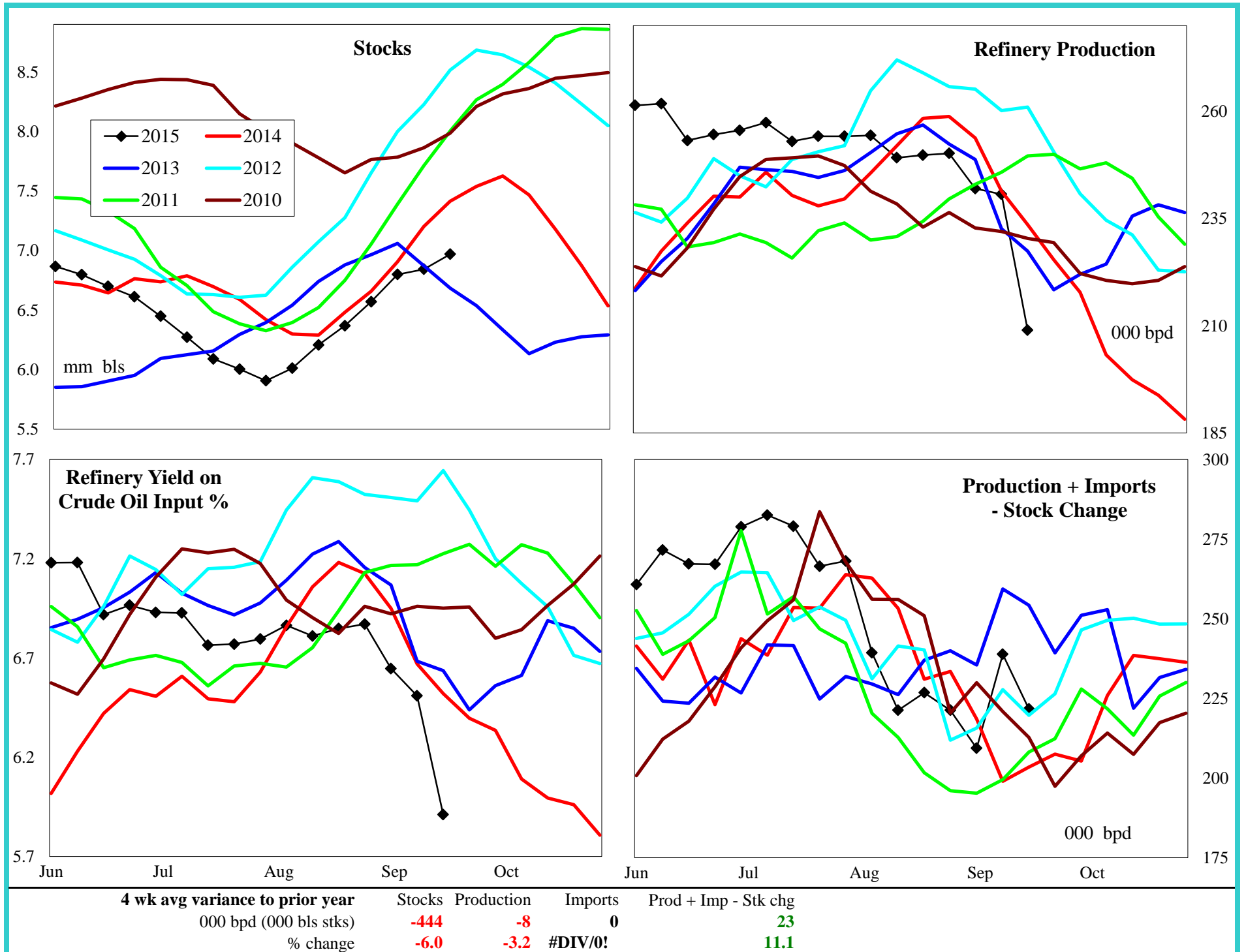
PADD 2 Conventional Gasoline Supply



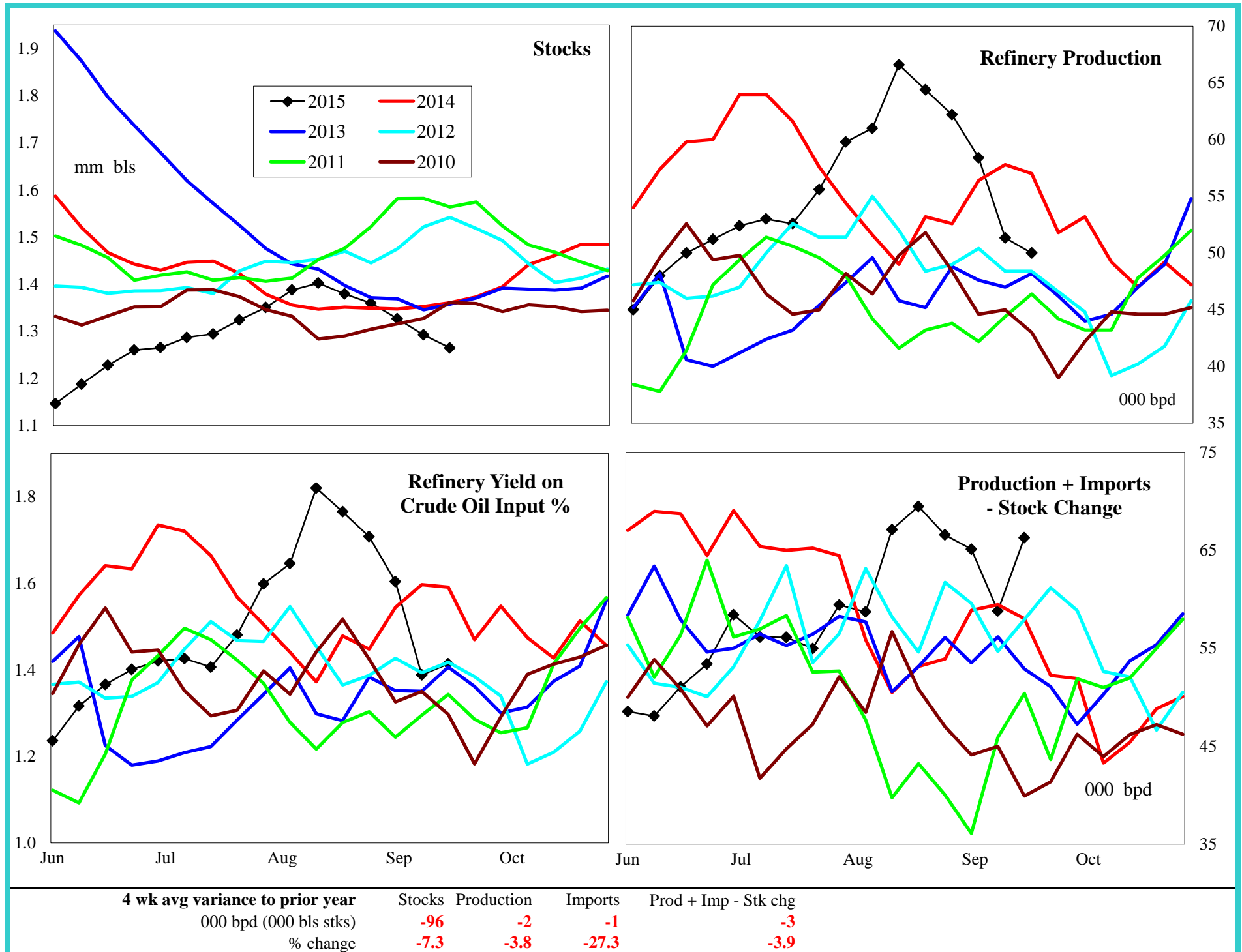
PADD 2 Distillate Supply



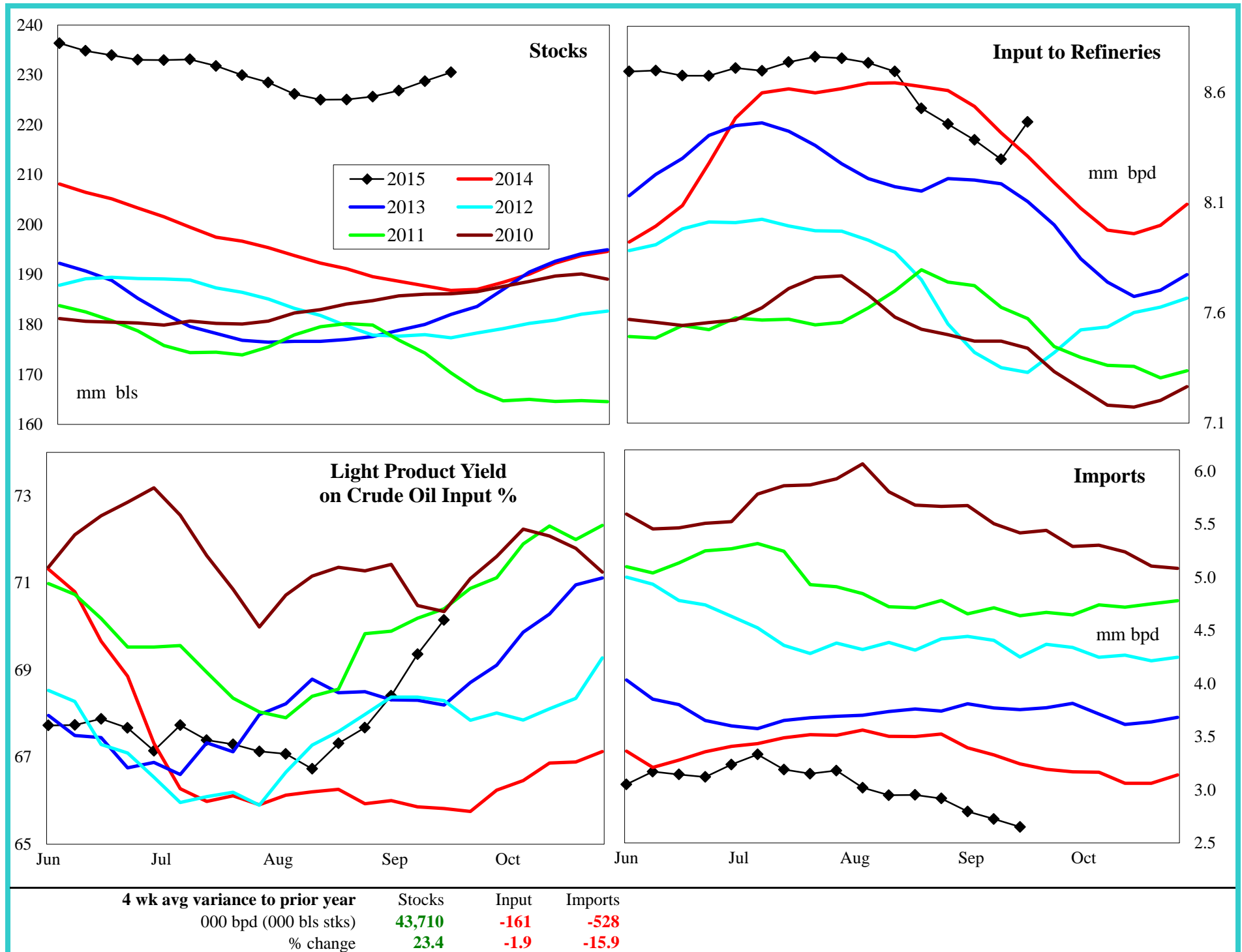
PADD 2 Jet Fuel Supply



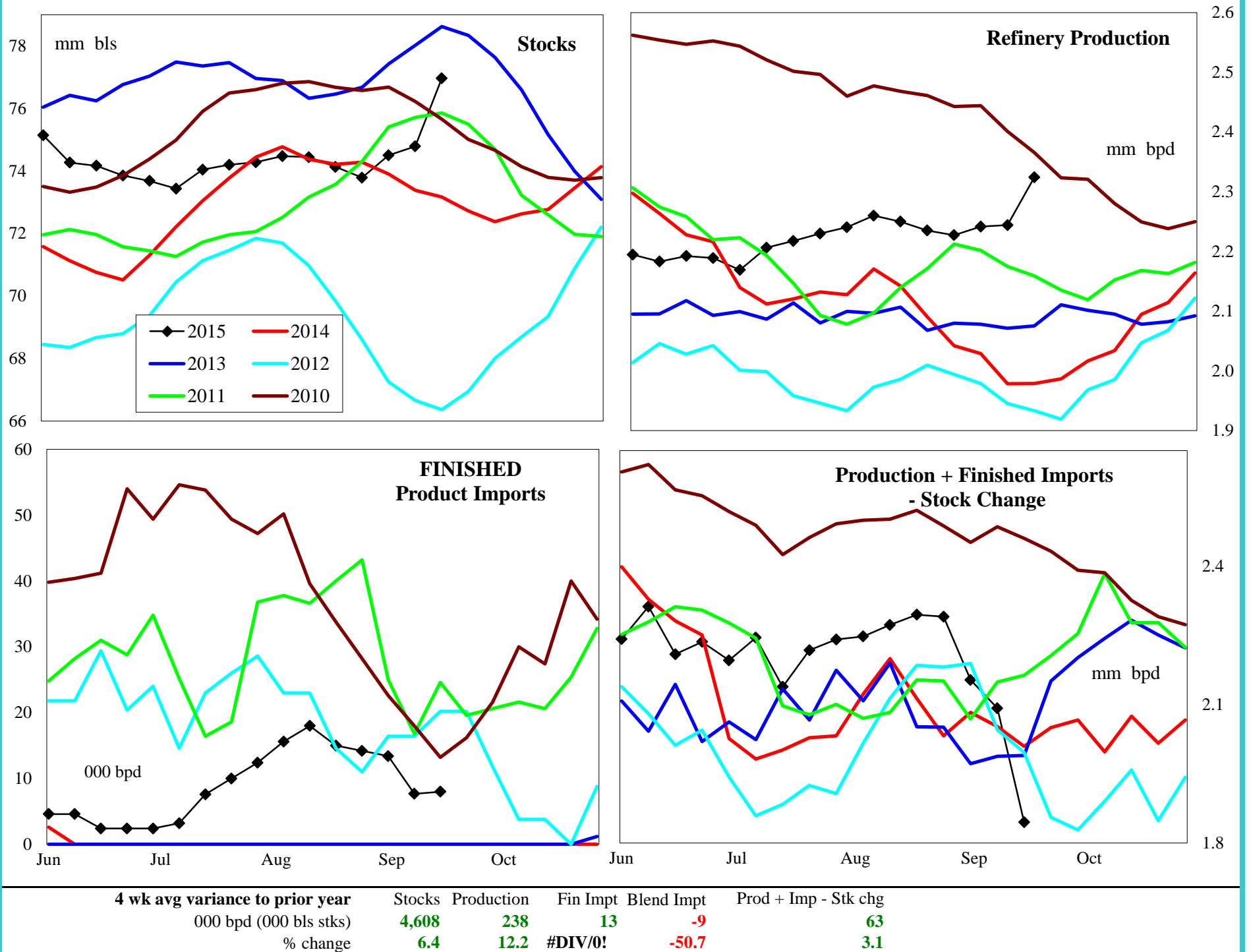
PADD 2 Residual Fuel Oil Supply



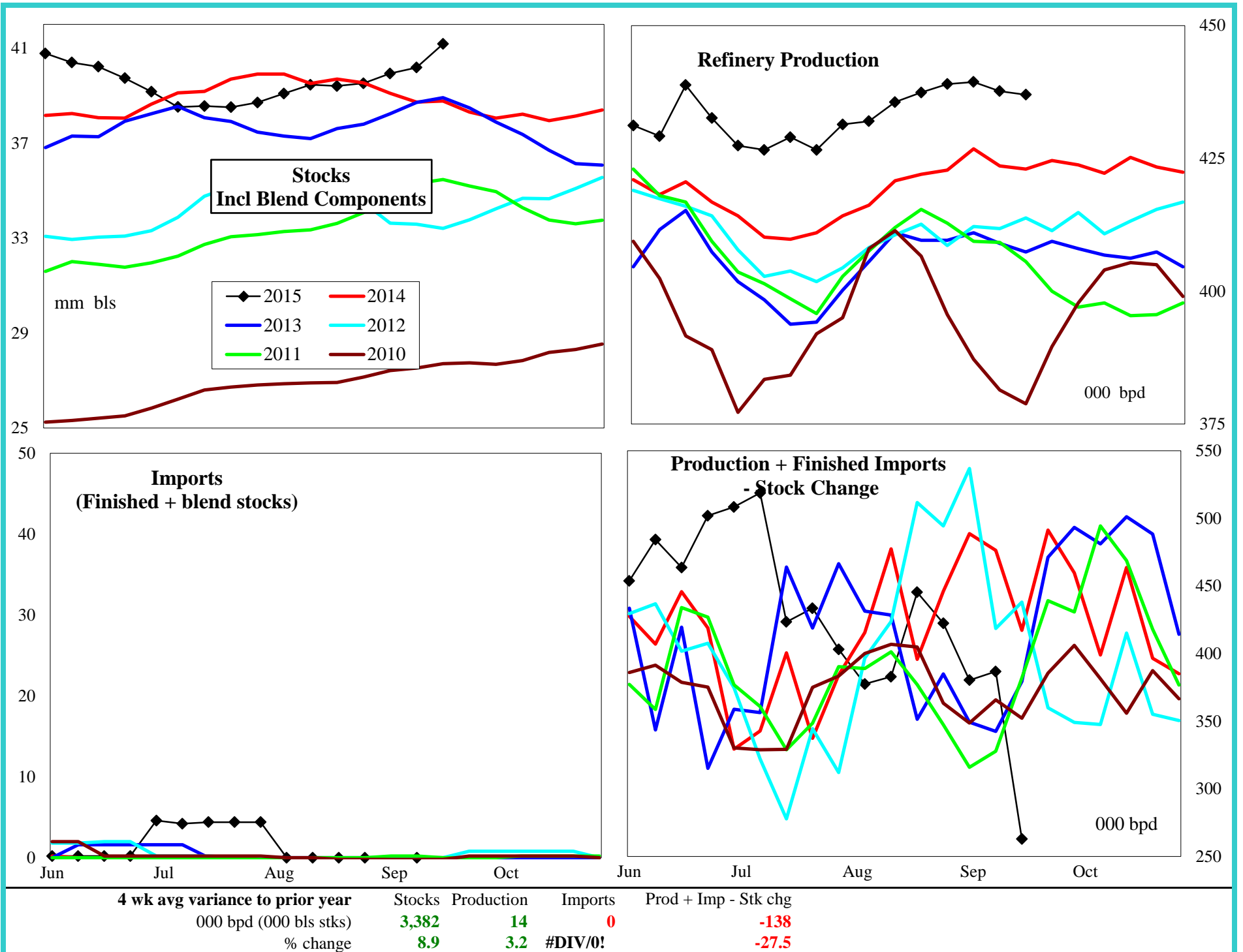
PADD 3 Crude Oil Supply and Refining



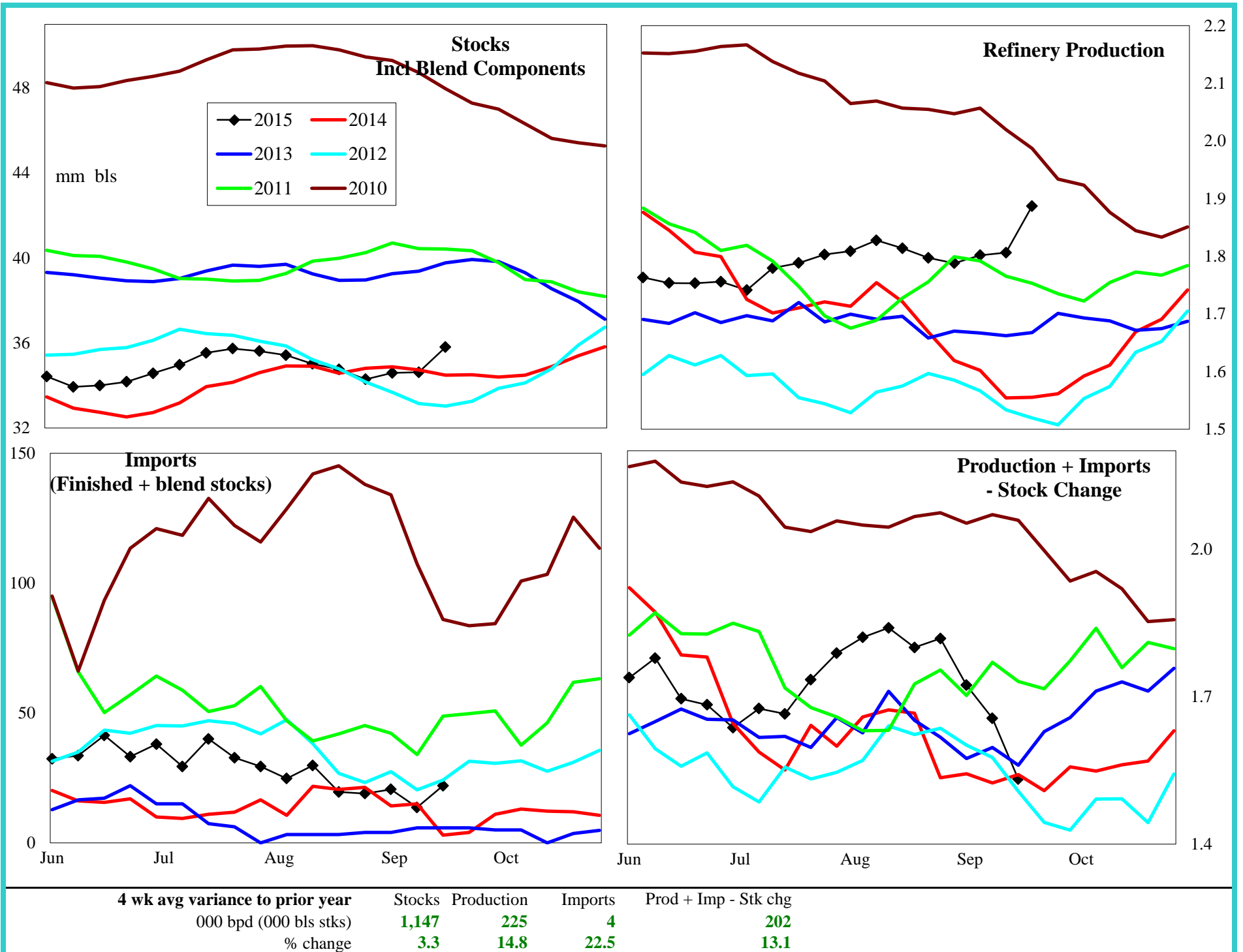
PADD 3 Gasoline Supply



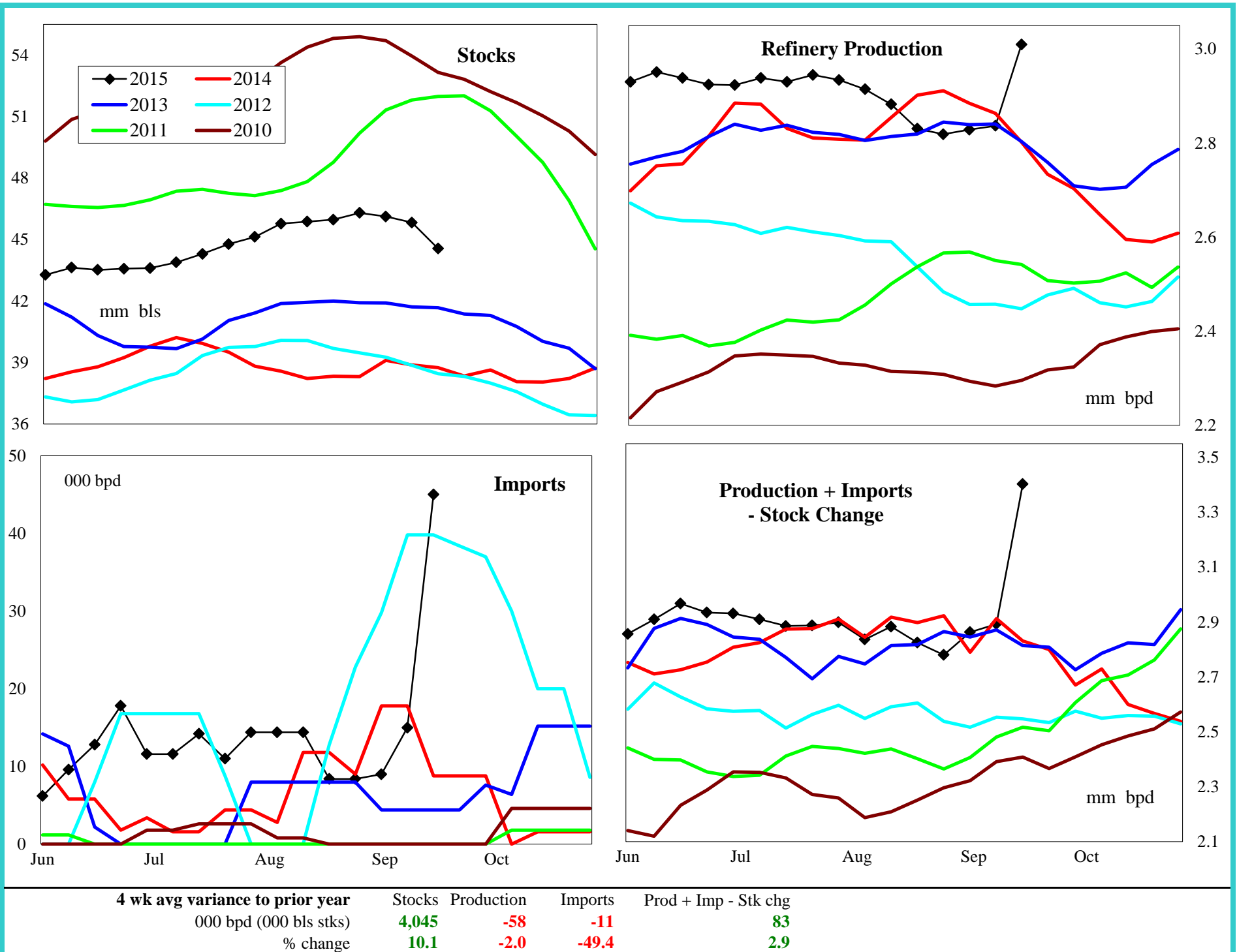
PADD 3 Reformulated Gasoline Supply



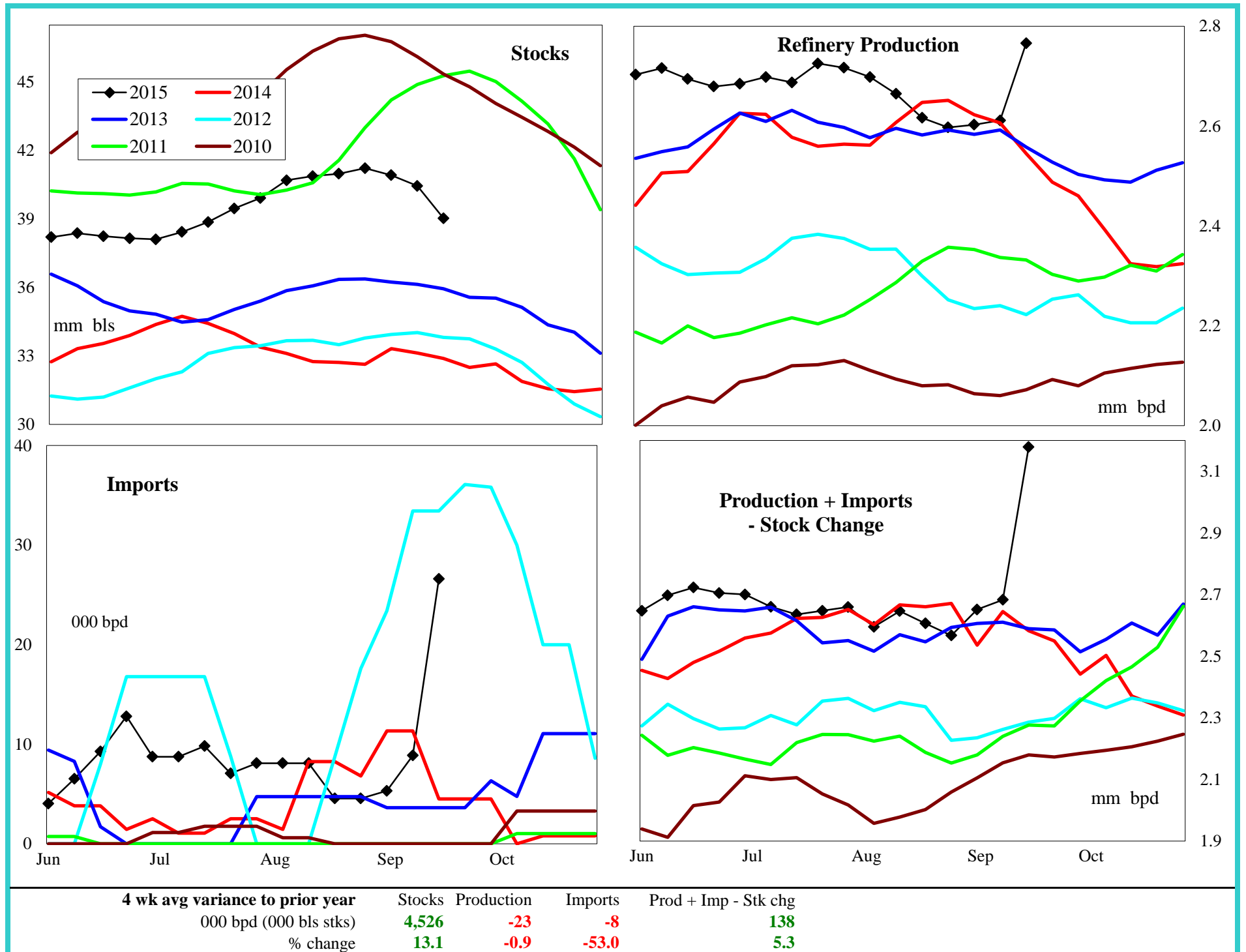
PADD 3 Conventional Gasoline Supply



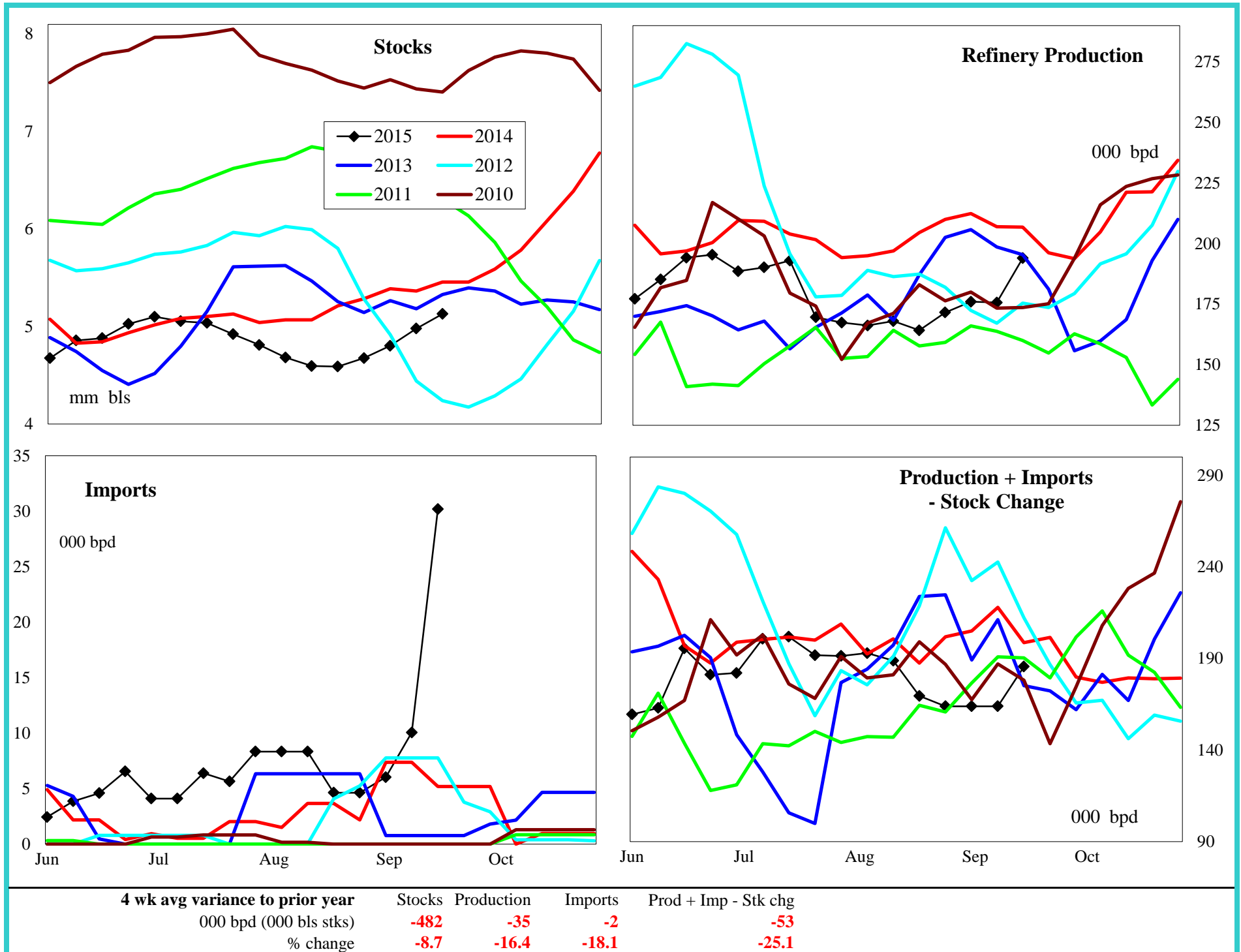
PADD 3 Distillate Supply



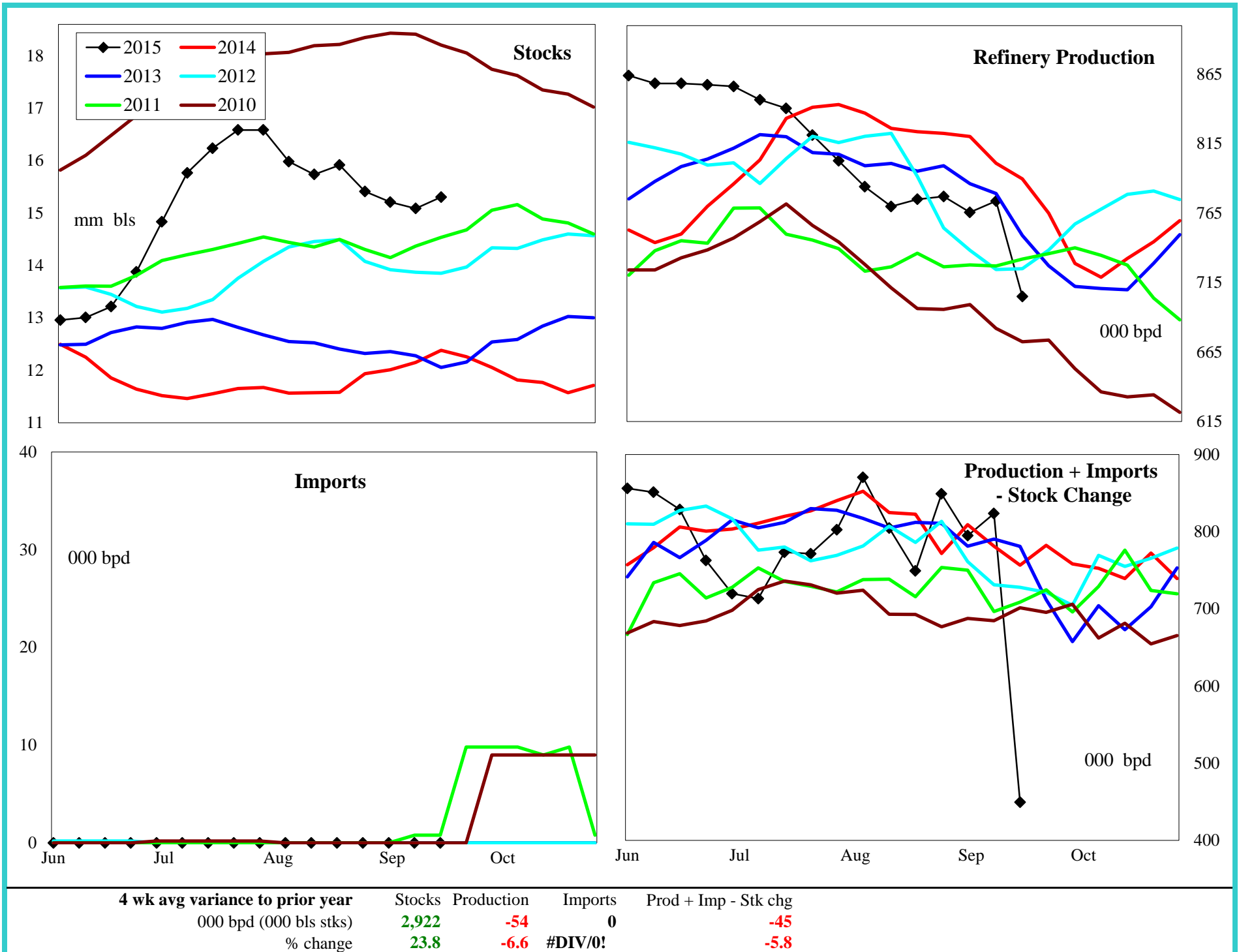
PADD 3 Low Sulfur Distillate Supply



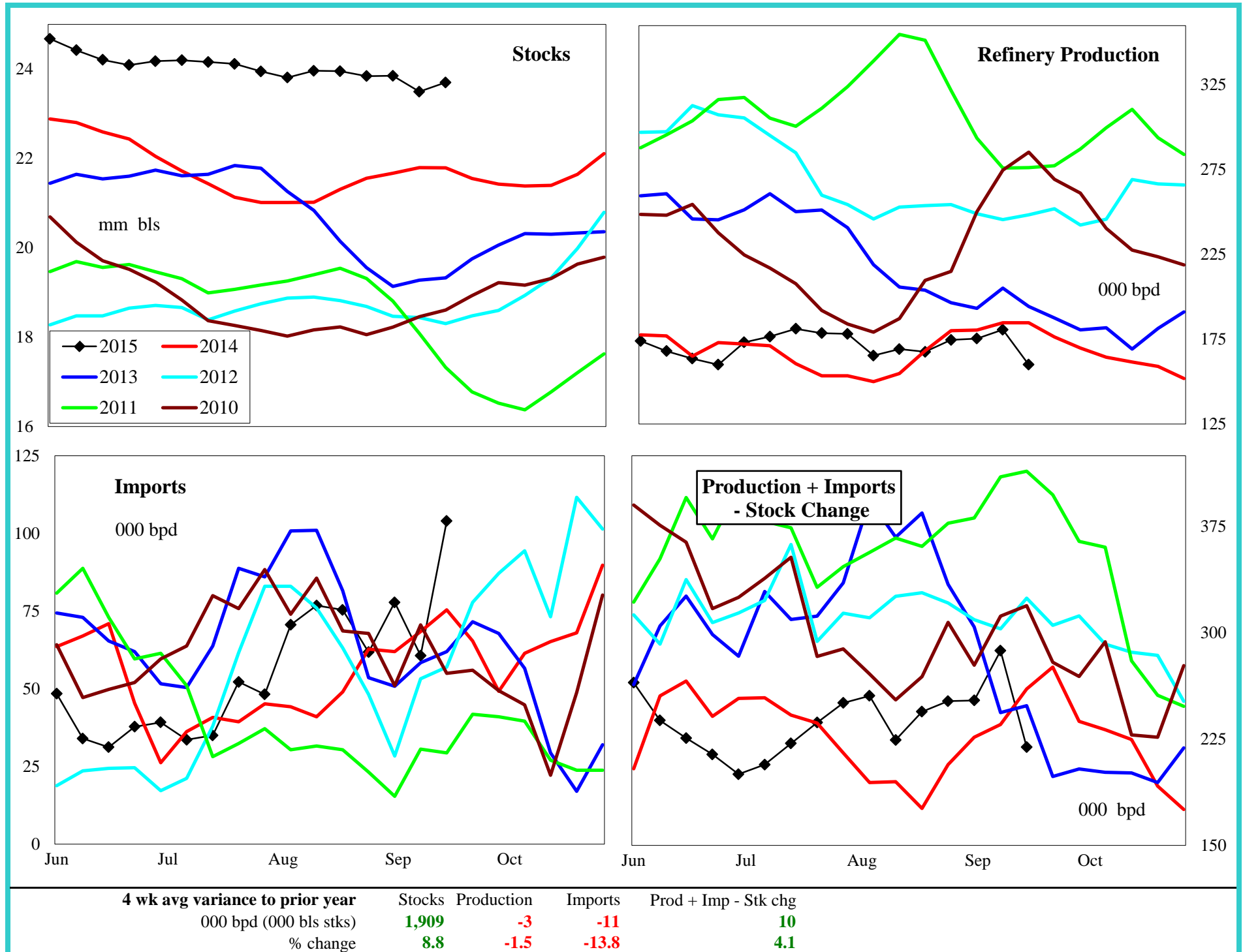
PADD 3 High Sulfur Distillate Supply



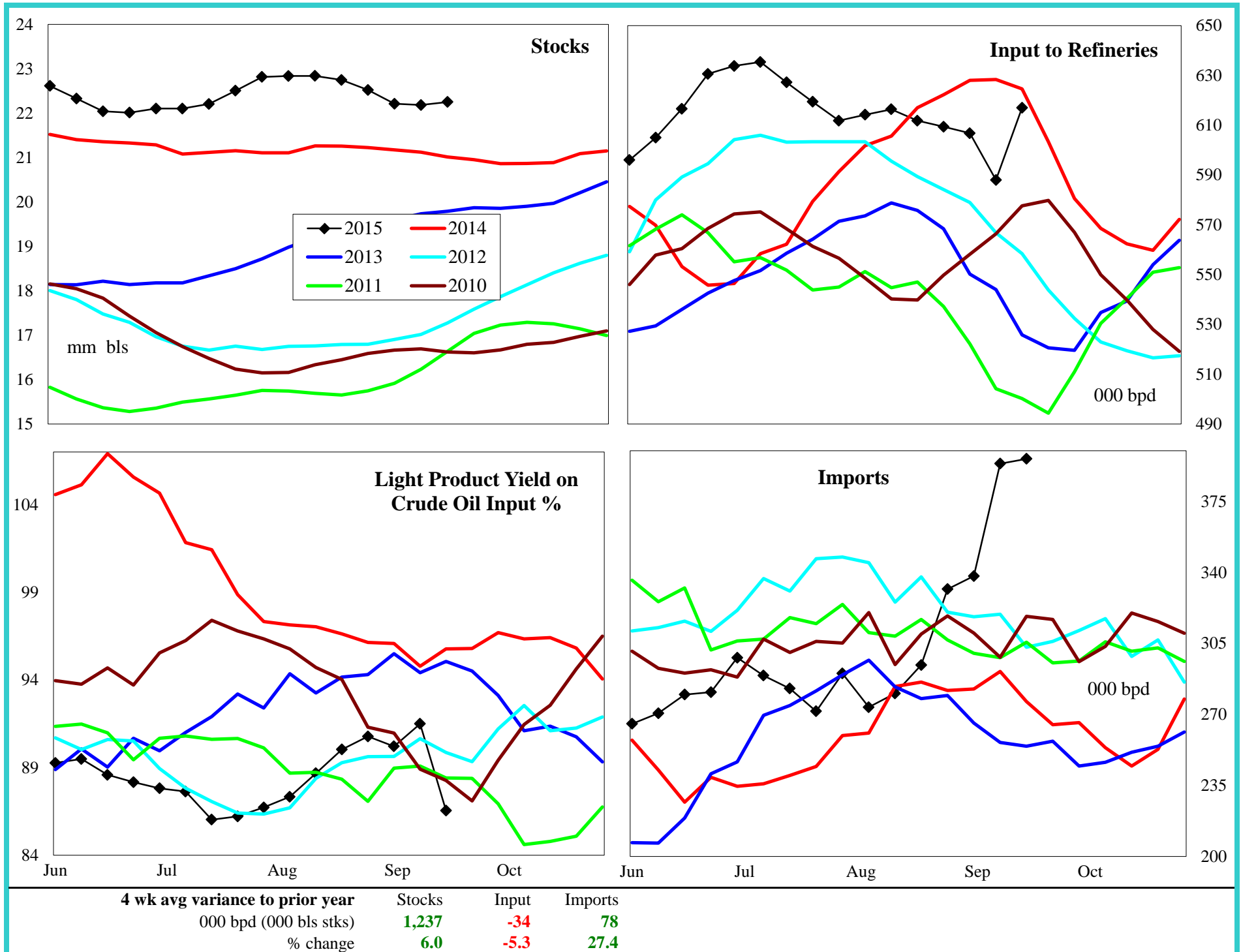
PADD 3 Jet Fuel Supply



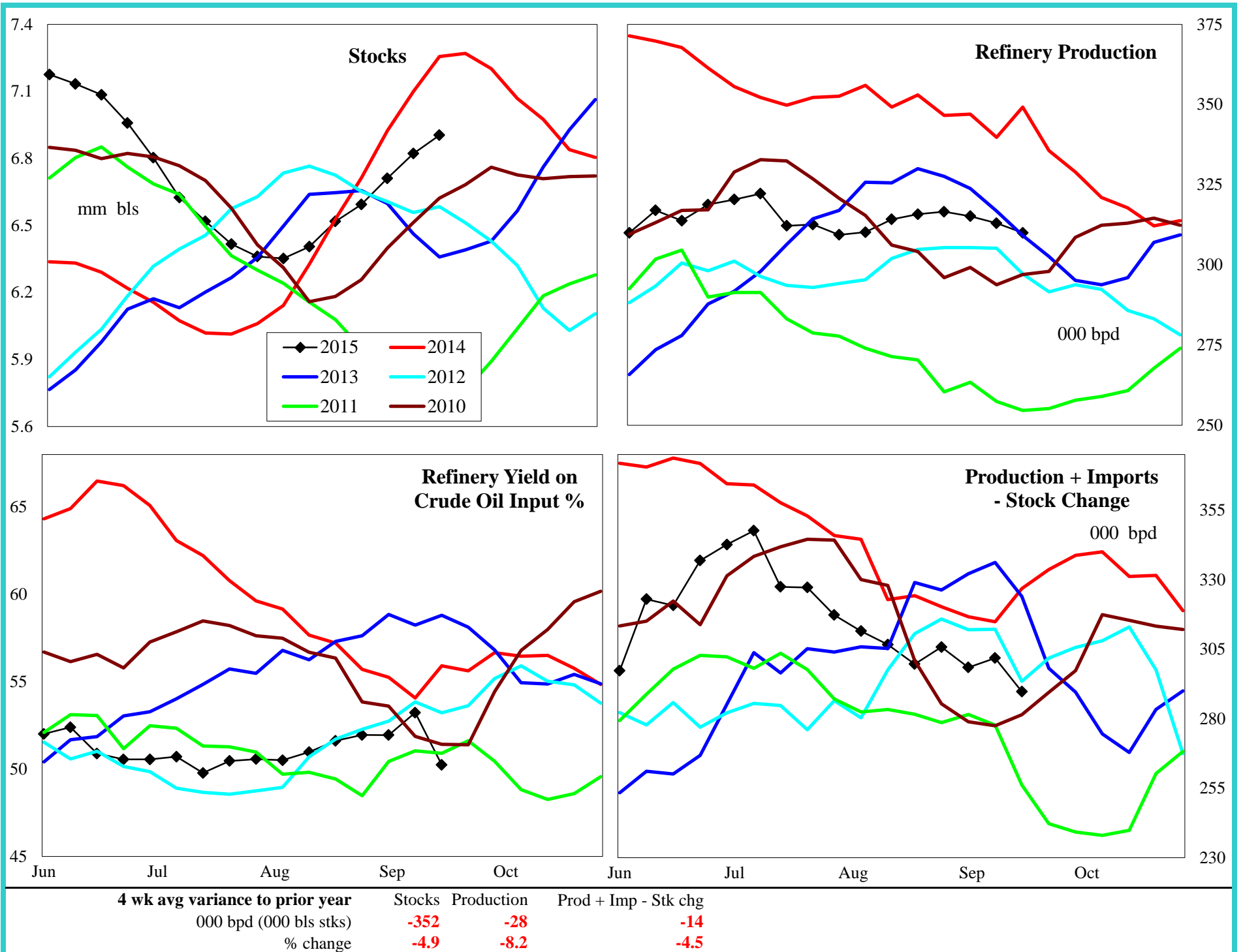
PADD 3 Residual Fuel Oil Supply



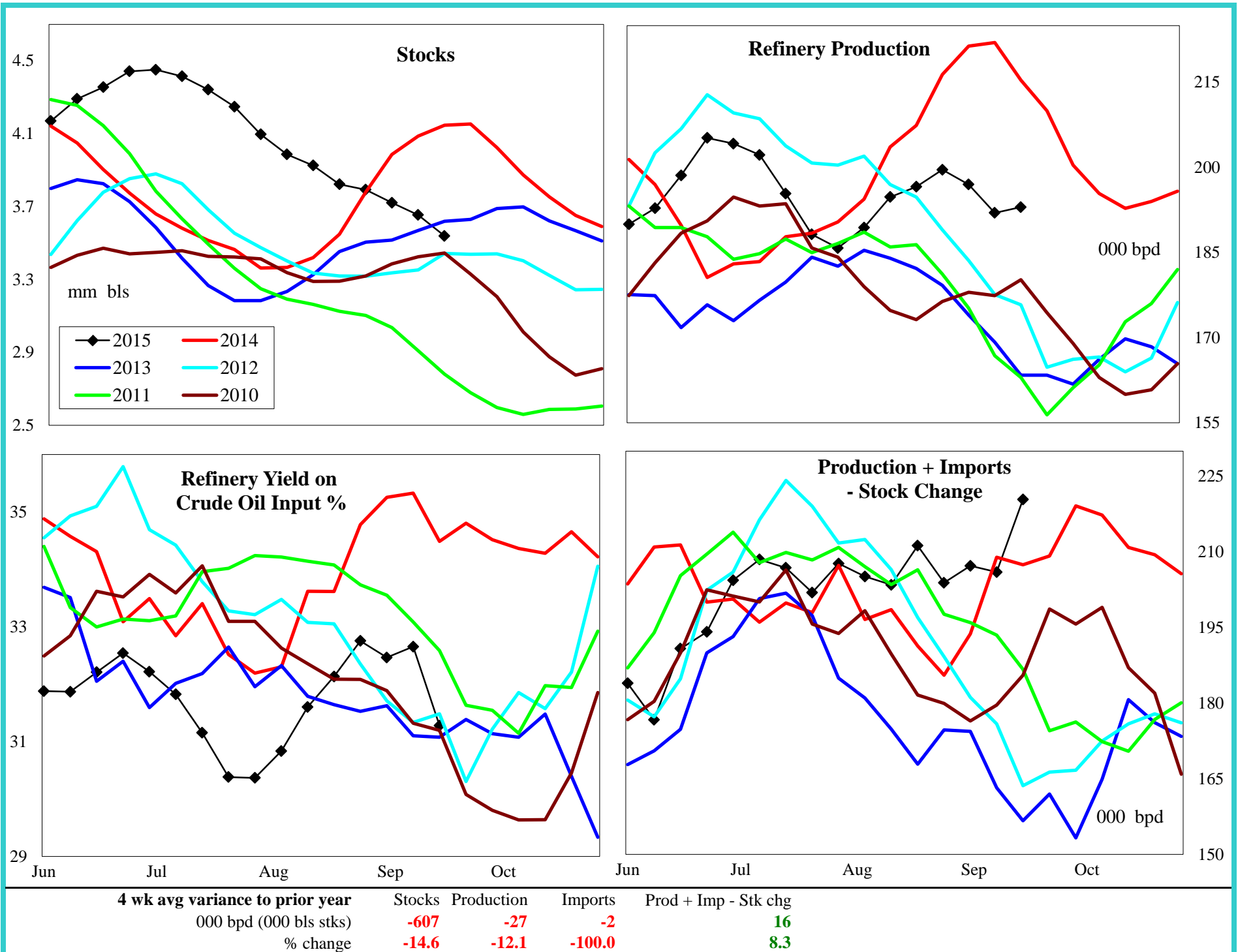
PADD 4 Crude Oil Supply and Refining



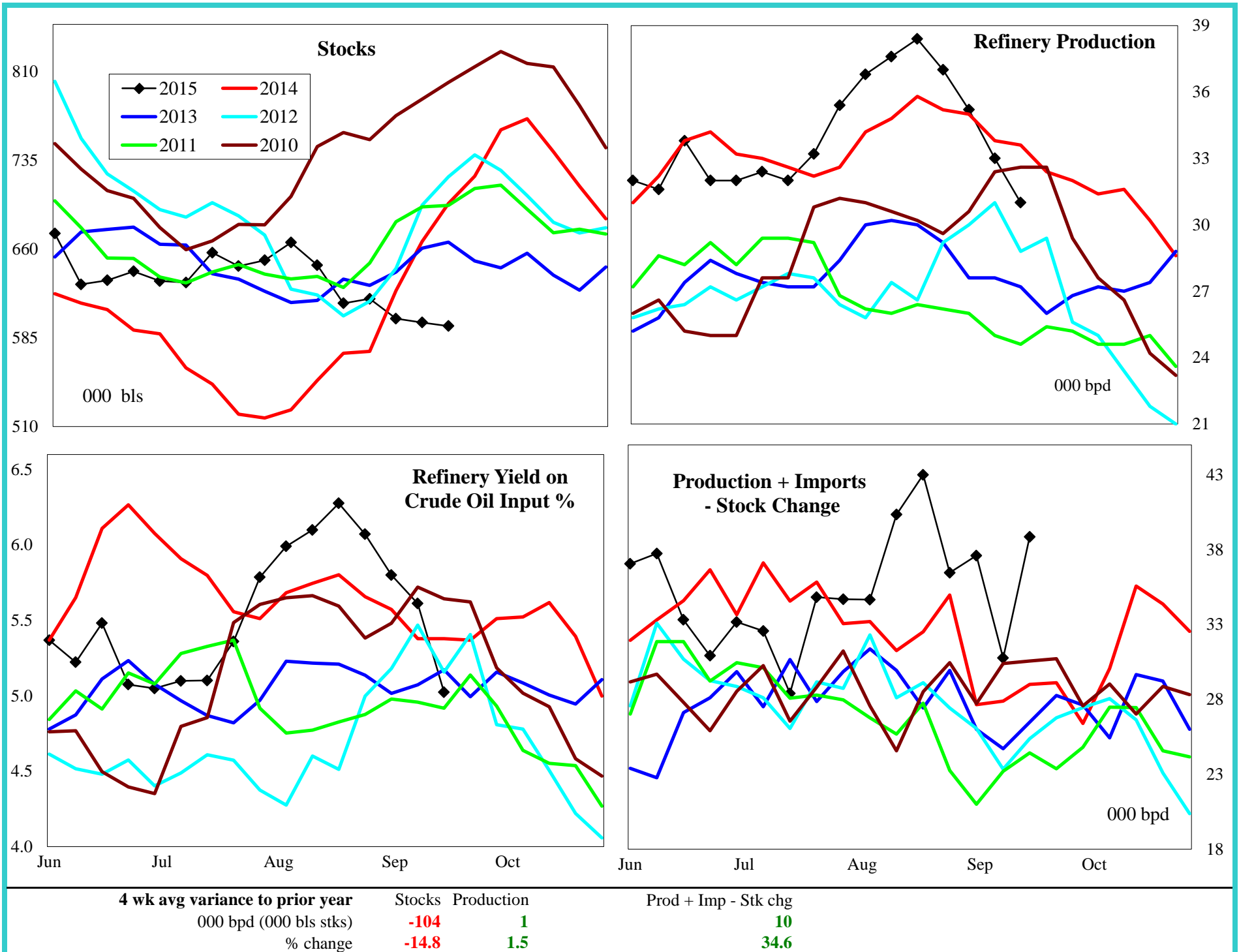
PADD 4 Gasoline Supply



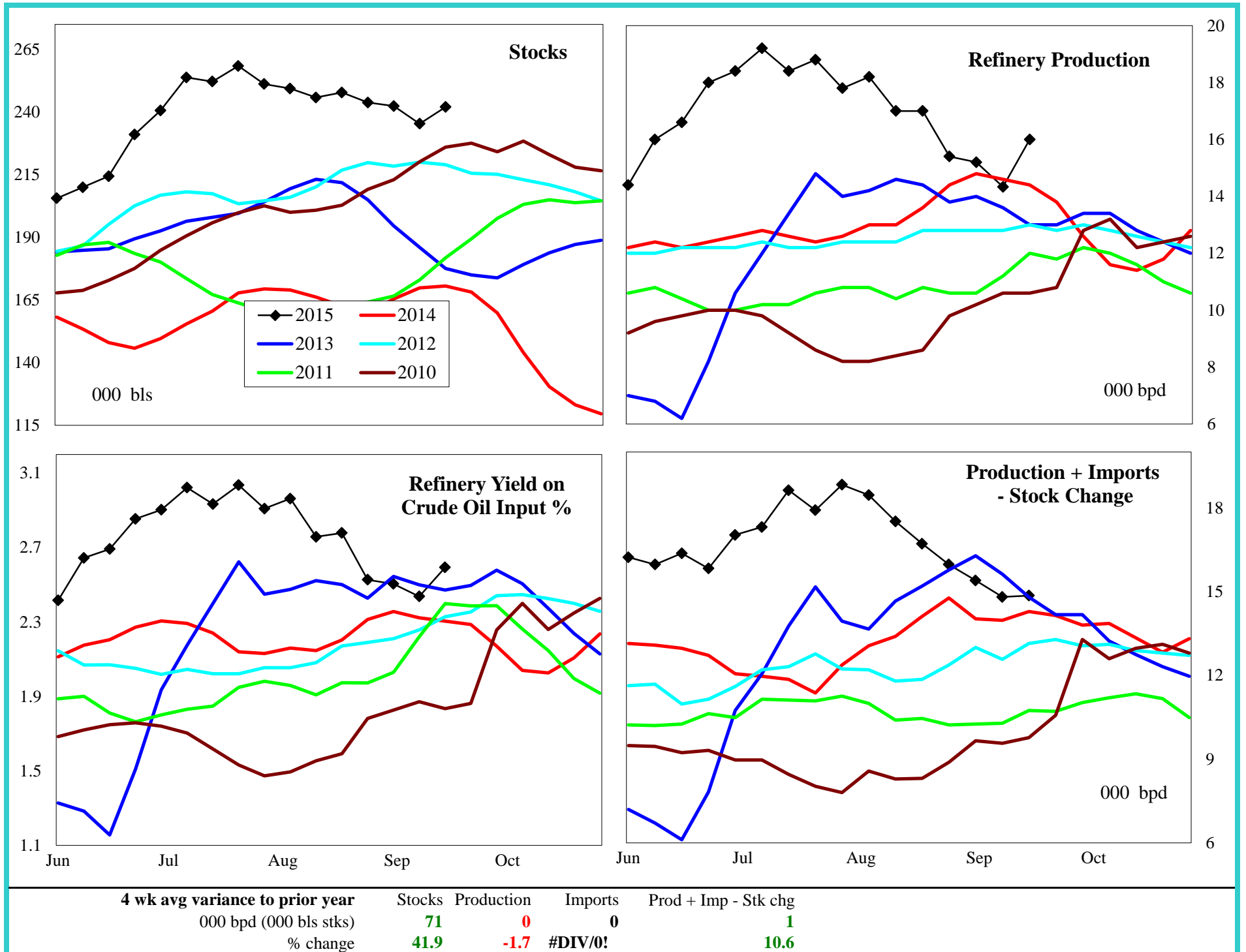
PADD 4 Distillate Supply



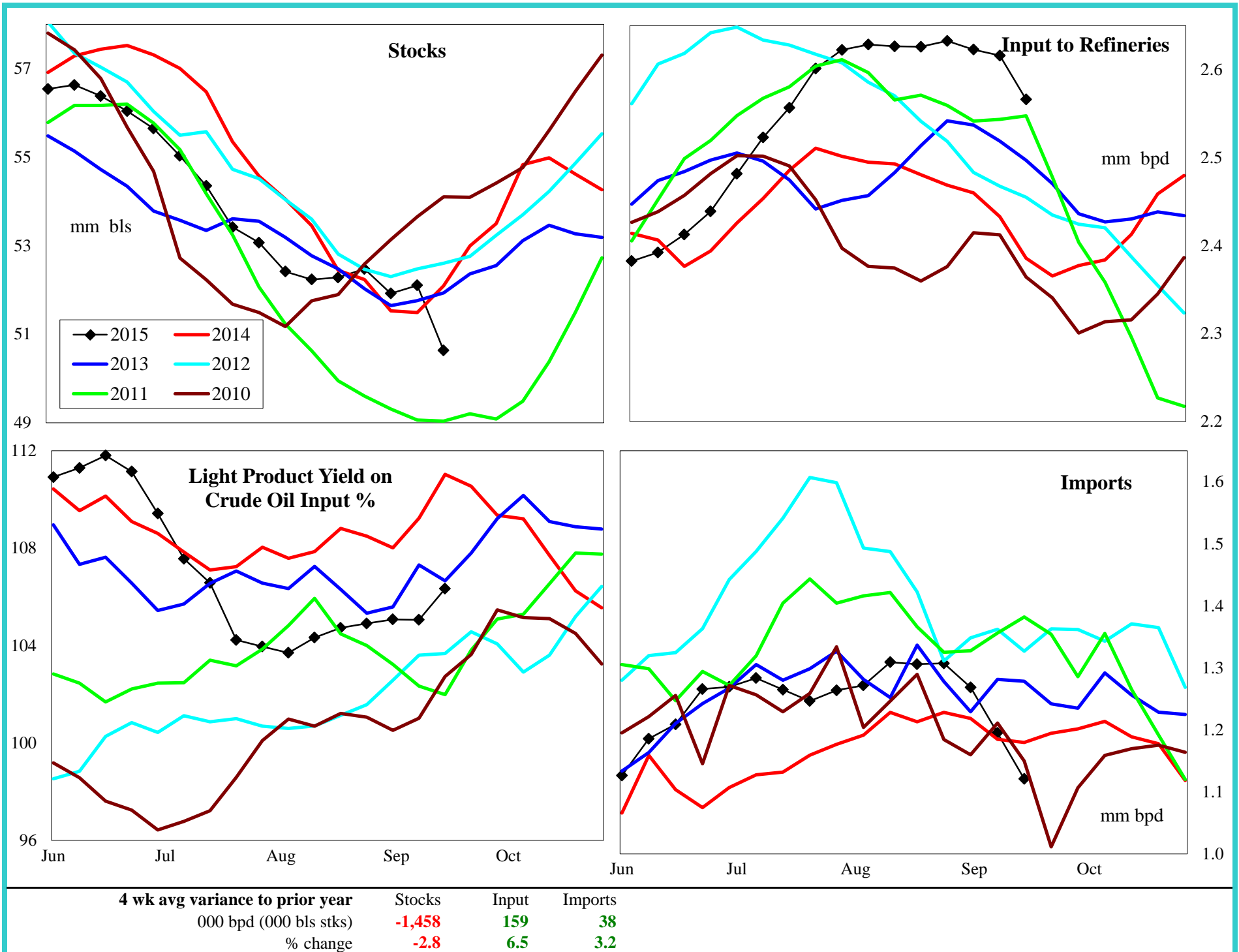
PADD 4 Jet Fuel Supply



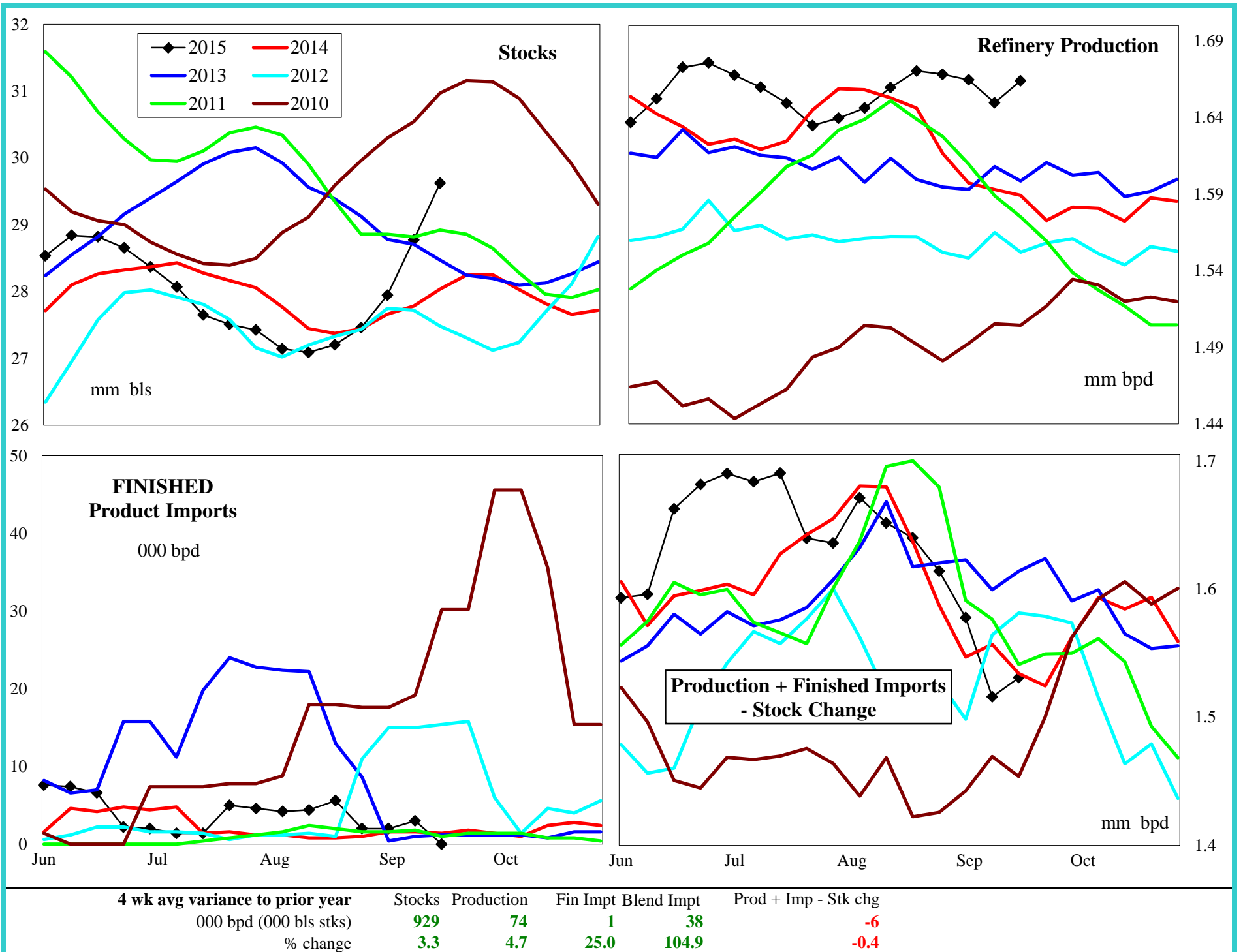
PADD 4 Residual Fuel Oil Supply



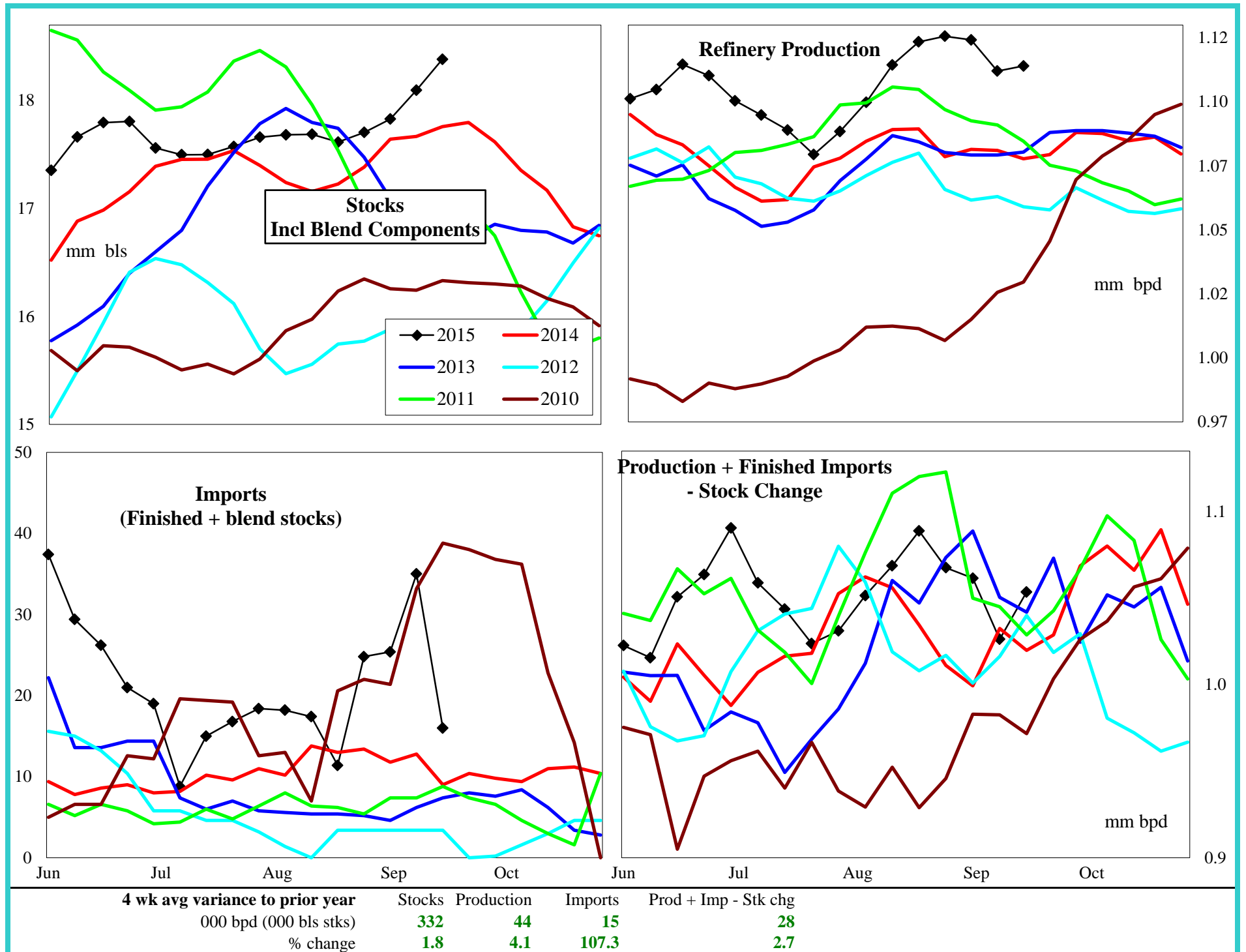
PADD 5 Crude Oil Supply and Refining



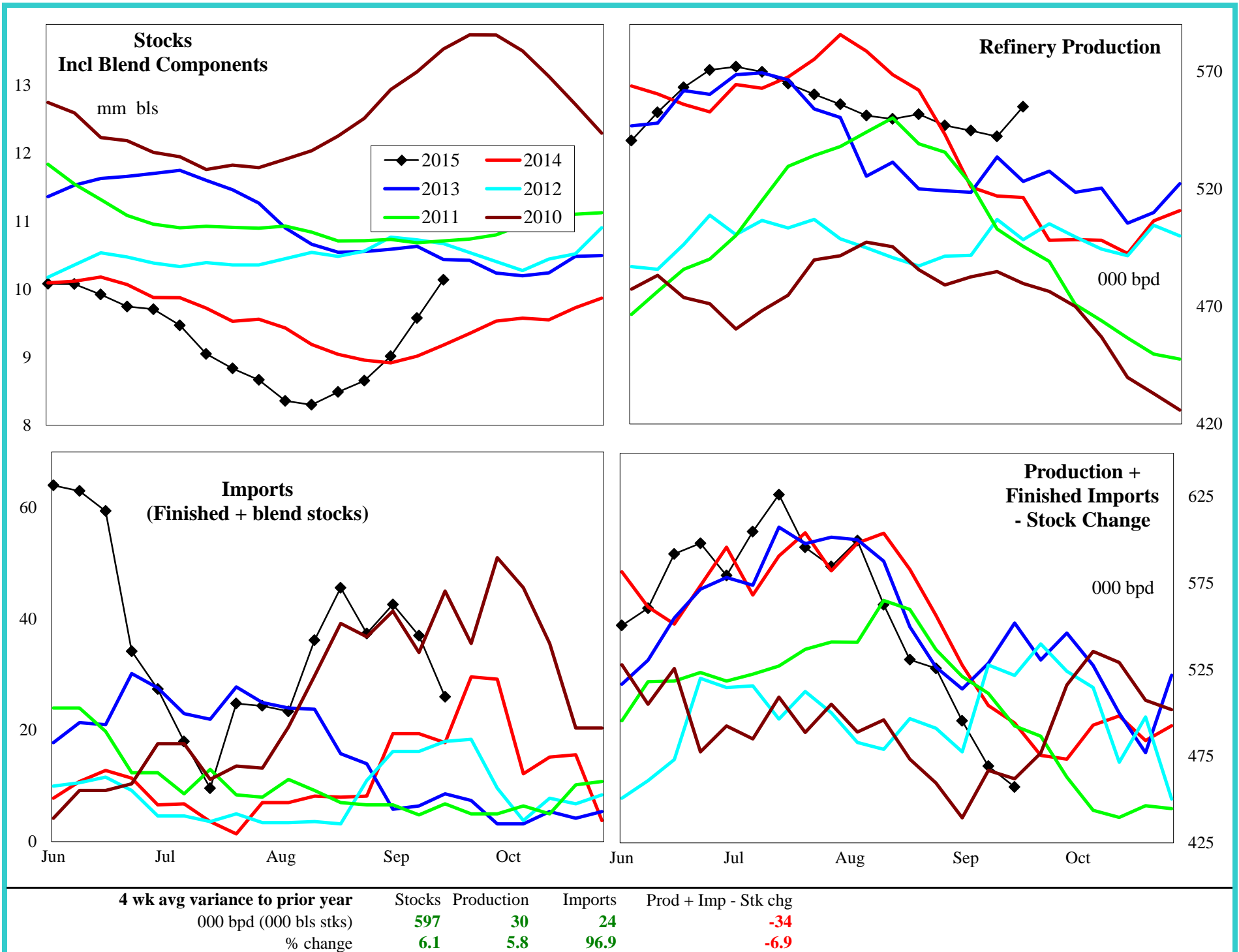
PADD 5 Gasoline Supply



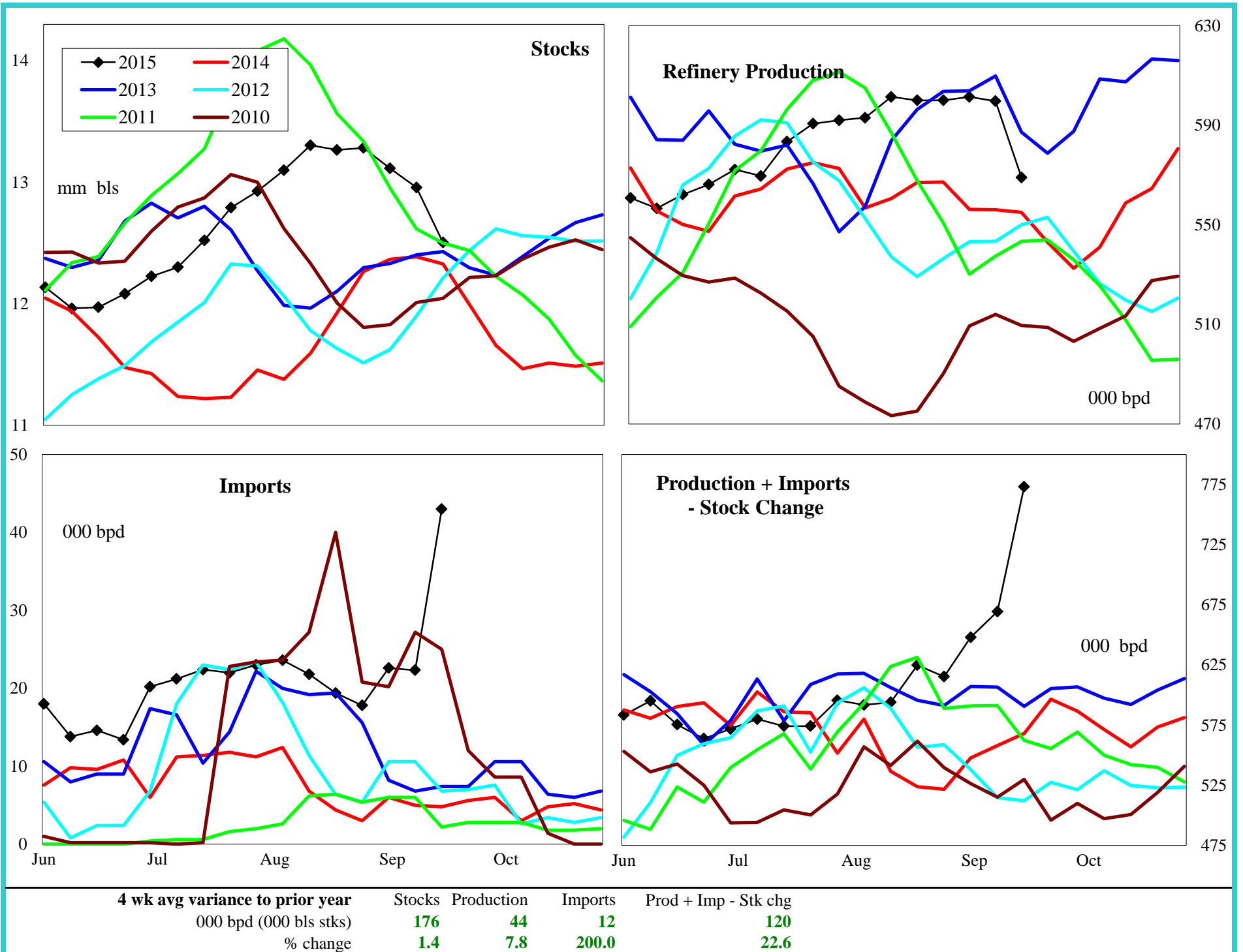
PADD 5 Reformulated Gasoline Supply



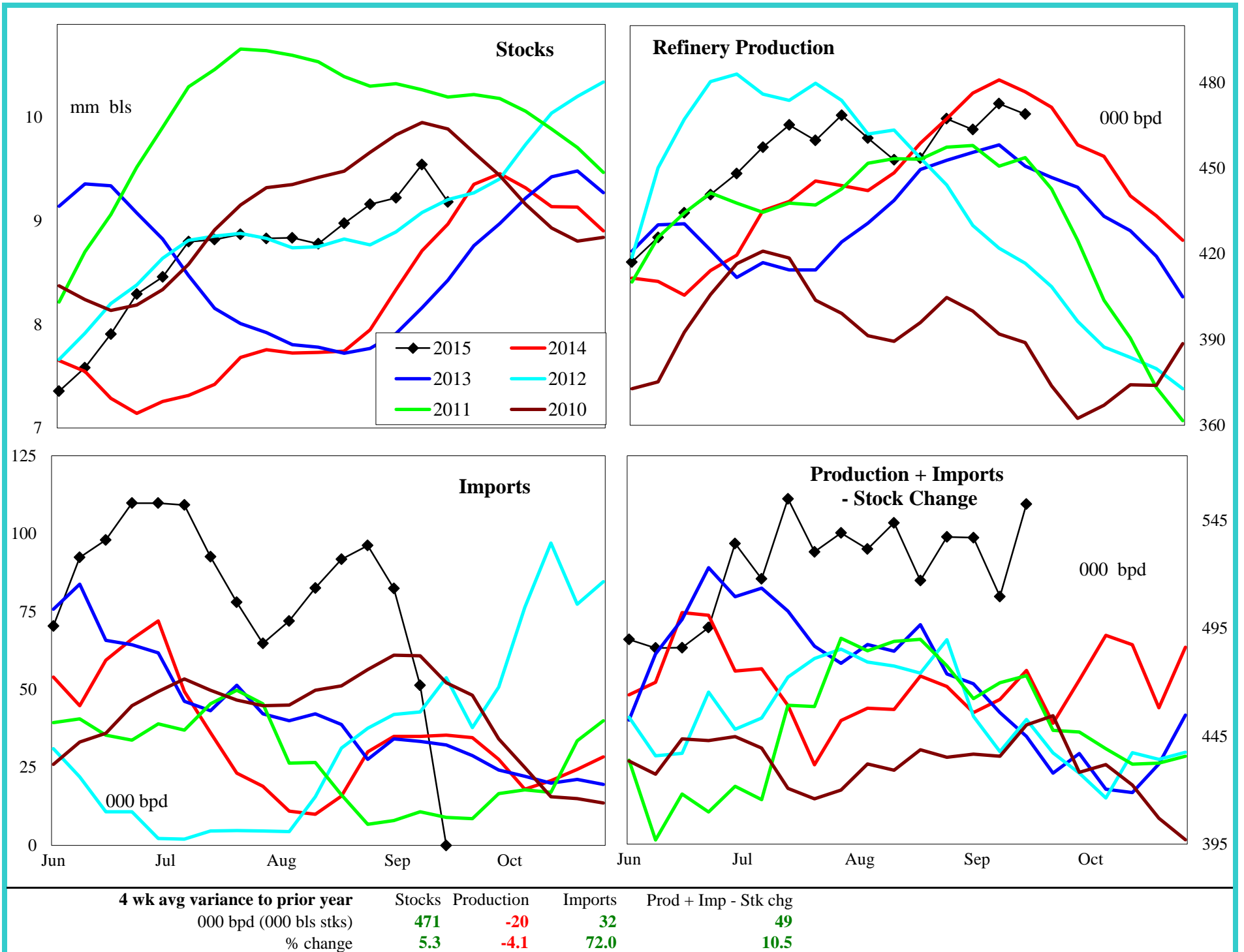
PADD 5 Conventional Gasoline Supply



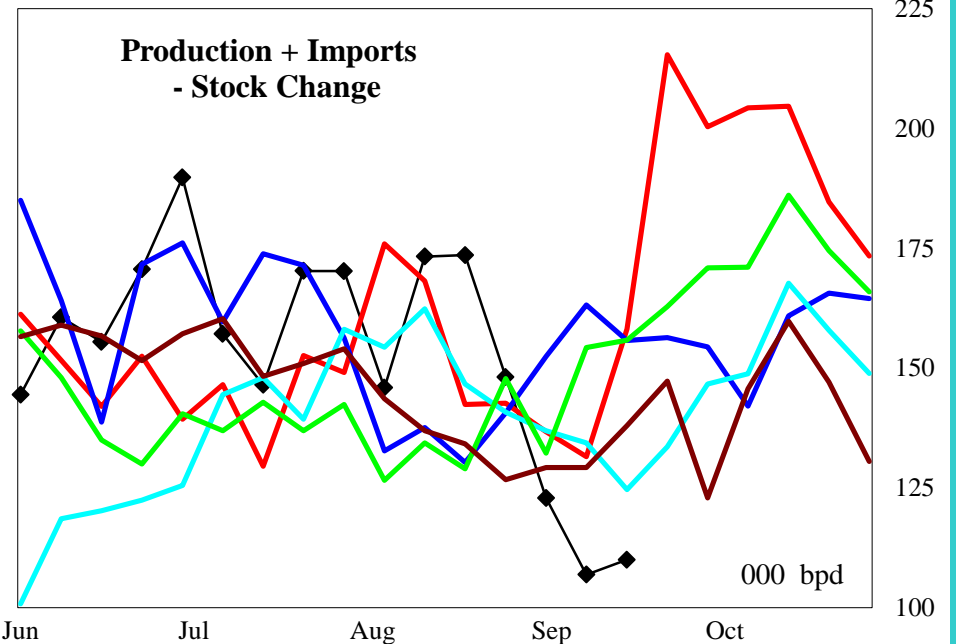
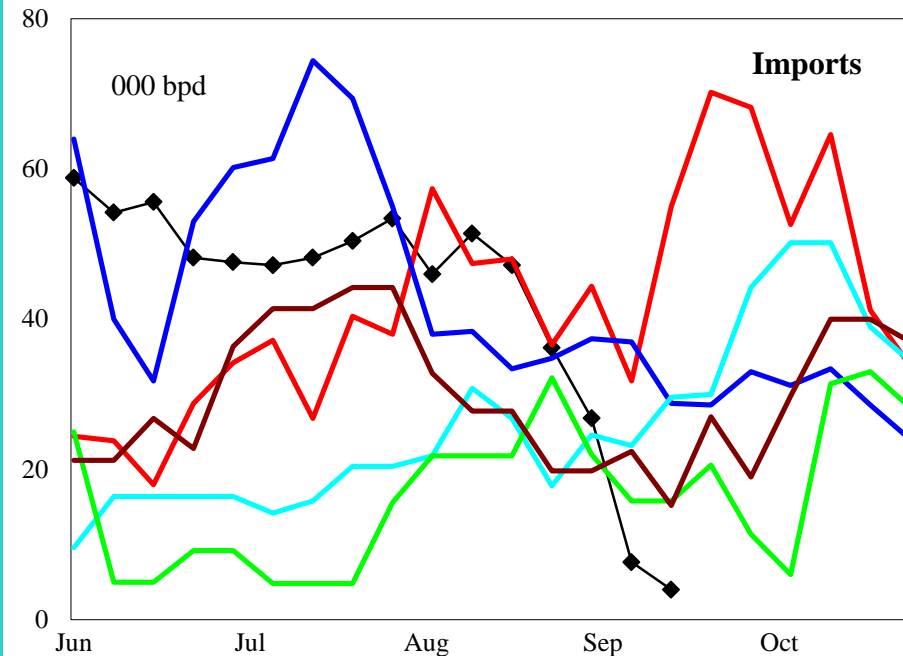
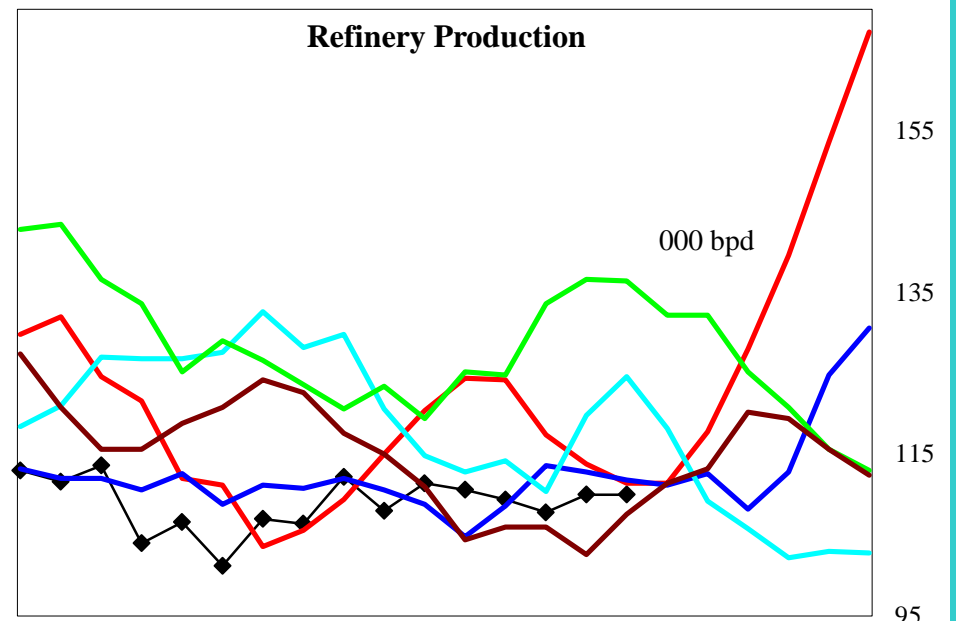
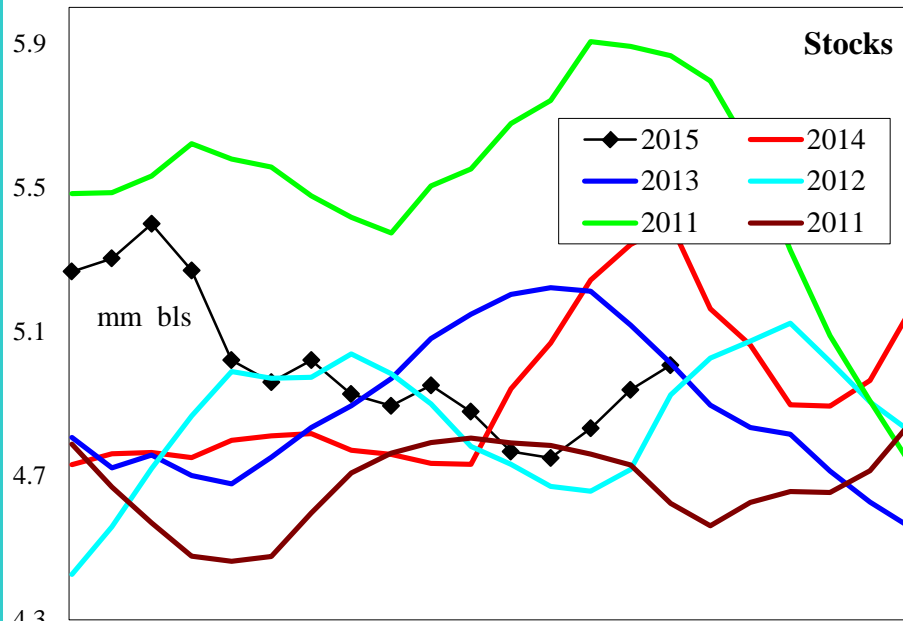
PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply



4 wk avg variance to prior year

000 bpd (000 bbls stks)

% change

Stocks

-393

-7.3

Production

-4

-3.6

Imports

5

18.8

Prod + Imp - Stk chg

14

12.9