



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

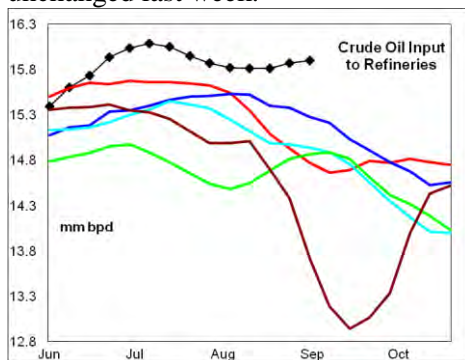
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, September 11,



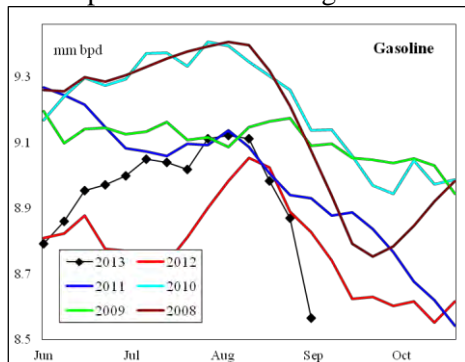
Major Fundamental Trends¹

Refinery crude oil runs were +1.3 million bpd above a year ago last week as refiners delayed the start of fall maintenance. A +1.7 million bpd rise in domestic crude oil production offset the very high level of refinery runs, leaving crude oil stocks nearly unchanged last week.



The very high level of crude oil runs has led to record output of middle distillates, while also displacing gasoline imports.

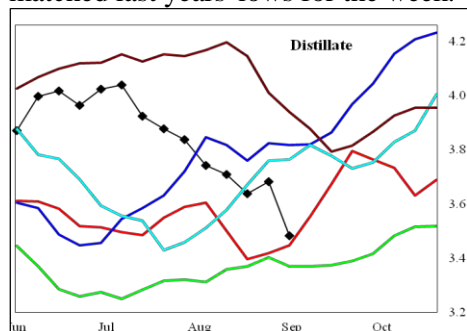
Wholesale demand for gasoline fell -0.5 million bpd last week on an end to peak summer driving.



The exceptionally high level of crude oil runs, combined with the seasonal decline in demand is driving continued over supply of gasoline, particularly in the East and Gulf regional markets. Stocks in the Gulf increased +2.3 million barrels last week to a fresh 5-yr high for the week.

Wholesale distillate demand also fell -0.3 million bpd to a level that

matched last years' lows for the week.



The sharp drop in distillate demand and continued record production led to a +2.6 million barrel stock build for the week, with builds in nearly all regions.

Distillate stocks are at 5-yr highs in the Rockies and West Coast. Gulf stocks are +12% above last year while the level in the Midwest is above the 5-yr mid range. While total distillate stocks are well below the years of 2009 through 2011 (prior to phase out of LSD and HSD for heating fuel), stock levels are ample to excess in all regional markets.

Demand for gasoline and distillate each fell sharply last week, while jet fuel spiked on airlines refilling private storage. Wholesale demand, measured over the last four weeks compared to a year ago: gasoline decreased -0.2%; distillate was +8.6% higher; jet fuel was +6.8% higher, and residual increased +8%.

Stocks forward coverage: Gasoline demand coverage increased on a +1.7 million barrel stock build for the week. Coverage ended the week well above the 5-year range.

Distillate coverage increased on a +2.6 million barrel stock build and sharply lower demand. Coverage levels were below a year ago.

Jet fuel coverage was lower on a -0.5 million barrel stock draw and spike in wholesale demand. Coverage levels remain below the 5-yr range.

Residual fuel oil coverage fell on a -2.4 million barrel stock draw last week, with the level equal to last year.

Refinery utilization rates decreased last week on a -40,000 bpd decrease in crude oil runs. During the latest 4-wk

period crude oil input was +0.9 million bpd above a year ago.

Gasoline yield % on crude oil runs was nearly unchanged on a +4,000 bpd increase in output compared to the -40,000 bpd decrease in crude oil runs. Yield % on crude oil runs ended the week at a record low for the summer season.

Distillate yield % on crude oil runs was nearly unchanged last week, with no change in output compared to the small decrease in crude oil throughput. The yield % on crude oil runs reached a new record high for the season.

Jet fuel yield % on crude oil runs decreased on a -42,000 bpd decline in output, compared to smaller crude oil run decrease. The yield % level was above the 5-yr range for the week.

Petroleum Imports/Exports: Imports of crude oil, and jet fuel decreased last week.

During the latest 4-wk period crude oil *imports* were -0.4 million bpd below last year; distillate imports were -10,000 bpd lower; finished gasoline imports increased +14,000 bpd, gasoline blend stock imports were -353,000 bpd lower; jet fuel imports increased +25,000 bpd, while residual fuel oil imports were -24,000 bpd lower.

The latest weekly *export* estimate saw a +18,000 bpd increase in gasoline, a +143,000 bpd jump in distillate and +37,000 bpd rise in jet fuel compared to a year ago.

Crude Oil stocks were nearly unchanged last week with the level comparable to last years' record high for the period.

Refinery crude oil throughput last week was +1.3 million bpd above a year ago; as refiners have delayed the start of fall maintenance. U.S. crude oil production was +1.7 million bpd above a year ago, partially offset by a -0.4 million bpd drop in imports. Stock levels ended the week -23% below last year in Cushing.

¹ Source is latest EIA Weekly Statistics



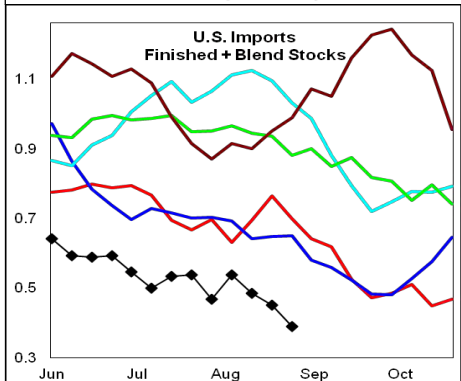
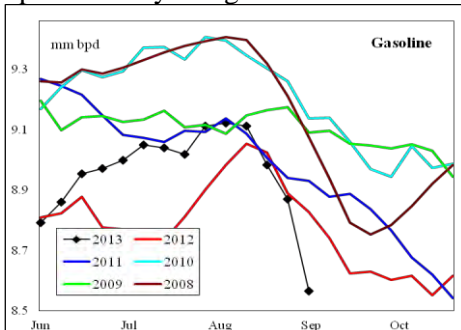
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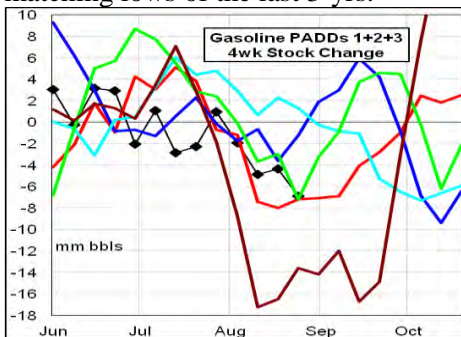
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Product Supply-Demand Trends

Gasoline wholesale demand fell -0.5 million bpd last week, on an end to peak summer driving. The latest 4-wk average demand was -22,000 bpd below a year ago. Supply was nearly unchanged on the week, with imports continuing to set record lows. Supply for the latest 4-wk period was +75,000 bpd above a year ago.



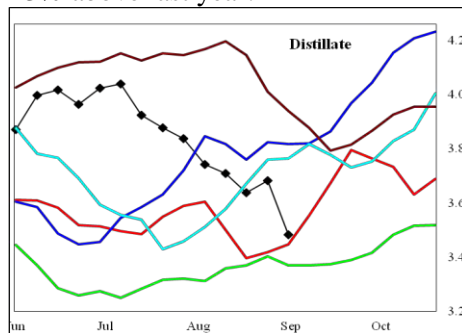
Stocks increased +1.7 million barrels last week, with the level above four of the last 5-yrs. The latest 4-wk stock change in markets East of the Rockies was a -7.5 million barrel draw, matching lows of the last 3-yrs.



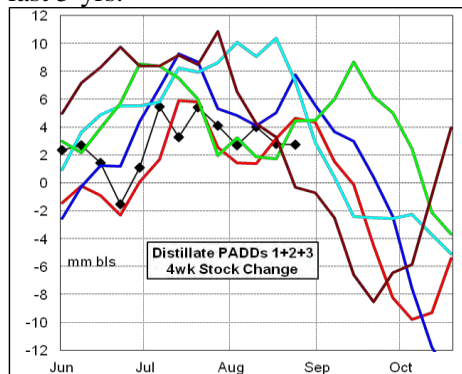
Exceptionally low imports has been offset by a lack of year-on-year demand growth and some increase in domestic supply. The result is burdensome carry out stock levels in the Gulf and East Coast markets.

Stocks are extremely low in the Midwest on unplanned refiner maintenance and the conversion to CBOB grade in Magellan Pipeline.

Distillate wholesale demand fell -281,000 bpd last week, to a level which matched last year's record low. The latest 4-wk average demand was +292,000 bpd above a year ago, a +8.6% increase. Supply increased +10,000 bpd last week on higher imports. The latest 4-wk average supply was +412,000 bpd above last year. Stocks increased +2.6 million barrels on the week, with the level +3% above last year.



The latest 4-wk stock change in markets East of the Rockies was a +2.5 million barrel build, below four of the last 5-yrs.



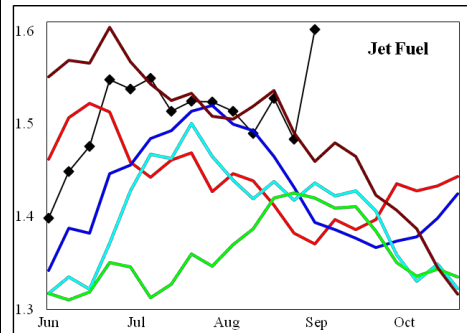
Production has climbed to exceptionally high levels, driven by nearly a +1 million bpd increase in crude oil thru put compared to a year ago. Look for additional stock building in the near term ahead of peak refinery maintenance.

Jet Fuel wholesale demand jumped +238,000 bpd on the week; to a record high level as airlines filled private storage. The latest 4-wk average demand was +99,000 bpd above last

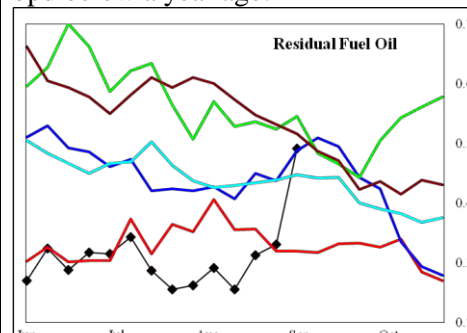
year, a +6.8% increase.

Supplies fell -105,000 bpd on the week, driven by lower imports and production. Production remains at a record high level for this time of year, with imports also at the upper end of the historic range. Supply for the latest 4-wk period was +131,000 bpd above a year ago. Stocks decreased -0.5 million barrels last week, with the level -3 million barrels below last year, and below the 5-yr range.

Look for a sharp drop in wholesale demand in the near term; which combined with very high production should drive a return to stock building over the next month.



Residual fuel oil demand decreased -166,000 bpd last week. Demand for the latest 4-wk period was -127,000 bpd below a year ago.



Supply (production + imports) fell -103,000 bpd last week, on lower imports. Production levels remain below the 5-yr range. Stocks fell -2.4 million barrels to a level that matched 5-yr lows.

Record low imports and a surge in demand led to an unusually large stock draw last week, with declines in all major regions. Stock levels have now been driven to last years' level, which matched 5-yr lows.



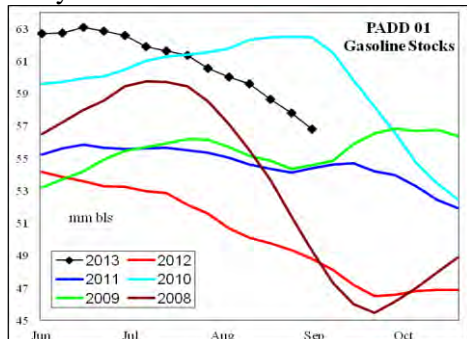
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PADD Supply Trends

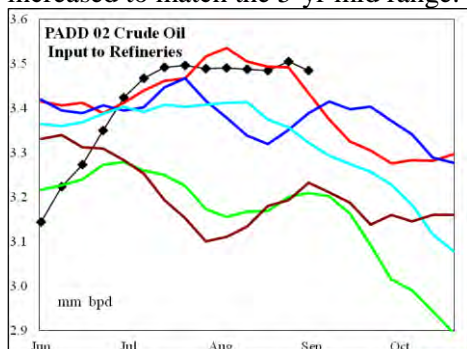
PADD 1 refinery crude oil runs declined -65,000 bpd last week; with the latest 4-wk average +16% above last year.



Gasoline supply decreased -38,000 bpd last week. Stocks fell -1.4 million barrels on the week, although remains above four of the last 5-yrs.

Distillate supply increased +76,000 bpd on the week, with the 4-wk average -45,000 bpd below a year ago. Stocks decreased -0.4 million barrels on the week, to a level that matched last year.

Jet fuel supply fell -86,000 bpd on sharply lower imports. Stocks increased to match the 5-yr mid range.



PADD 2 crude oil refinery runs were unchanged on the week, at a level comparable to last years' record highs. Crude oil stocks decreased -2 million barrels last week, including a -0.6 million barrel draw in Cushing. Stocks ended the week -23% below a year ago in Cushing.

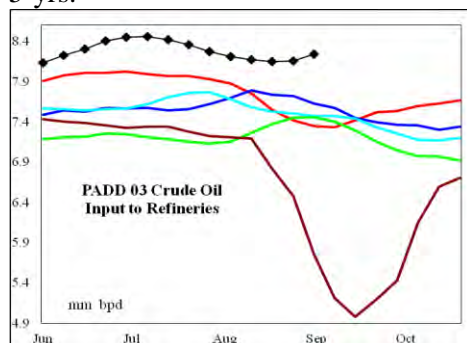
Gasoline production fell -108,000 bpd last week to a level below the last 3-yrs. Stocks climbed +0.9 million barrels last week although the level remains near 5-yr lows as refiners

draw down stocks during the conversion to CBOB grade in the Magellan Pipeline.

Distillate supply fell -74,000 bpd last week, although production remains at a level near 5-yr highs. Stocks increased +0.5 million barrels on the week, to a level comparable to last year.

Jet fuel production matched the 5-yr high although stock levels remain below the 5-yr range.

PADD 3 refinery runs increased +50,000 bpd last week. During the latest 4-wk period, average runs were +742,000 bpd above a year ago. Crude oil stocks increased +2 million barrels last week, a level above four of the last 5-yrs.



Gasoline supply fell -125,000 bpd on the week, with the latest 4-wk average +81,000 bpd above a year ago. Stocks jumped +2.3 million barrels to a level above the 5-yr range.

Distillate supply increased +63,000 bpd on the week, with the latest 4-wk average supply +354,000 bpd above last year. Stocks increased +1.6 million barrels last week, to a level +11% above a year ago.

Jet fuel production declined -51,000 bpd on the week, with the level still above the 5-yr range. Stocks fell -1.1 million barrels, to a level -11% below the last year, and at 5-yr lows.

Residual fuel supply decreased -33,000 bpd, on lower imports. Stock levels ended the week equal to the average of the last 3-yrs.

PADD 4 refinery crude runs fell -42,000 bpd on the week, to a level near the 3-yr mid range. Light product yields climbed to an all time high on

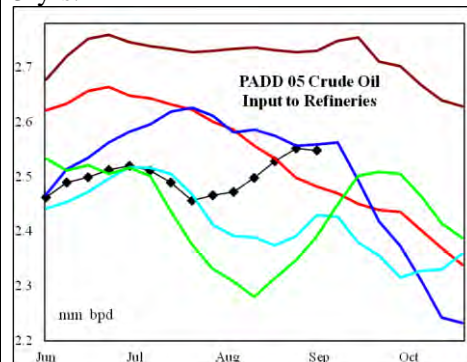
the week.

Gasoline production increased +29,000 bpd on the week, to a new all time record high. Stocks fell -0.4 million barrels although the level remains near historic highs.

Distillate production was nearly unchanged on the week, with the level near 5-yr highs for the week. Stocks increased to new 5-yr highs for this time of year.

Jet fuel production and stock levels were each near the average of the last 2-yrs.

PADD 5 crude oil refinery runs increased +17,000 bpd on the week to a level that matched highs of the last 3-yrs.



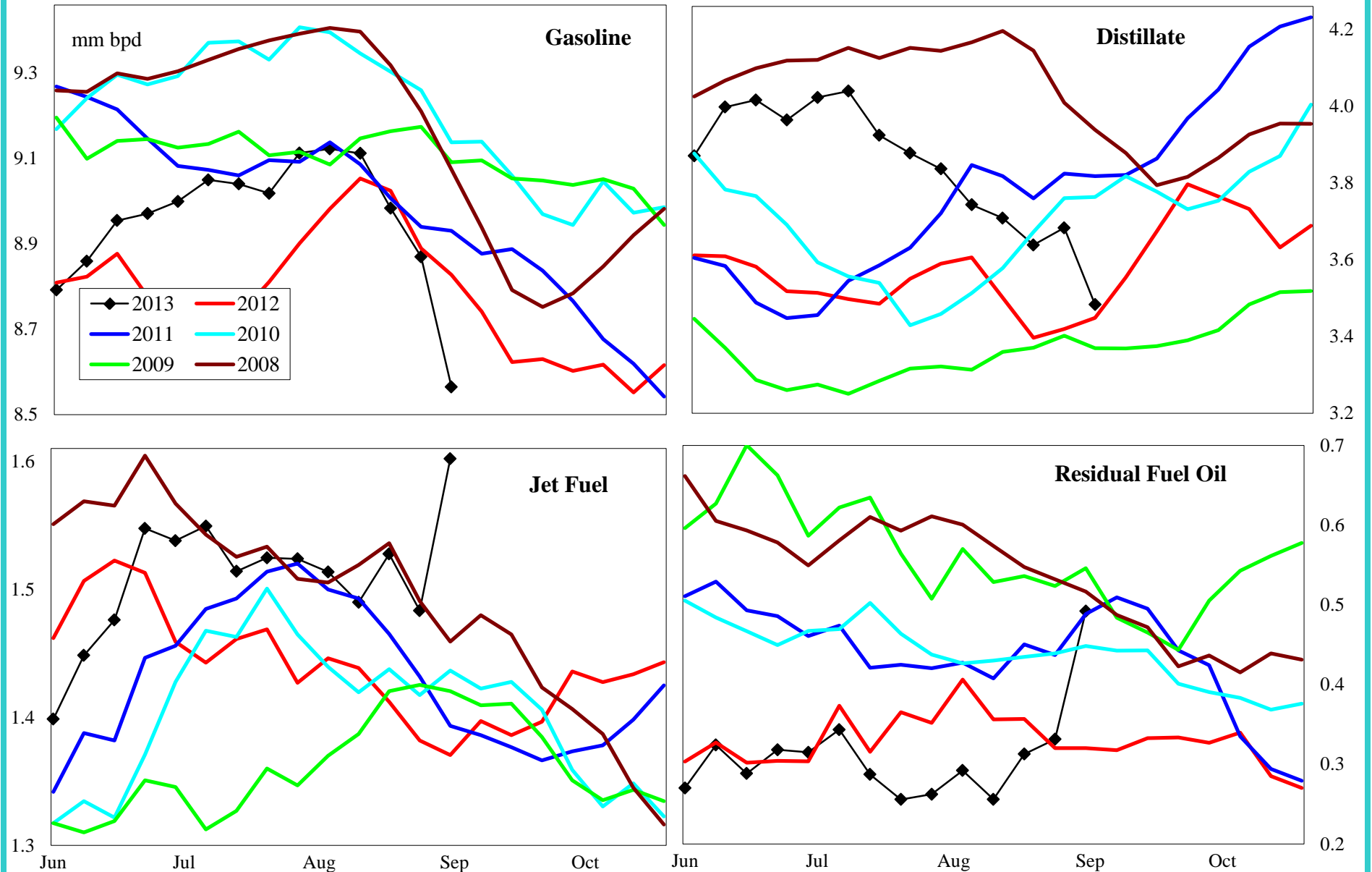
Gasoline supply fell -95,000 bpd on the week with production slipping below the level of the last 2-yrs. The latest 4-wk average supply was -35,000 bpd below a year ago. Stocks increased +0.2 million barrels on the week, to a level above the 3-yr mid range.

Distillate supply fell -47,000 bpd, although production remains above the 5-yr range. The latest 4-wk average supply was +92,000 bpd above last year. Stocks jumped +0.8 million barrels with the matching historic highs for the week.

Jet fuel supply increased +28,000 bpd last week with the level above four of the last 5-yrs. Stocks were unchanged on the week, at a level -13% below the 5-yr range.

Residual fuel oil stock levels were +10% above a year ago, and above four of the last 5-yrs.

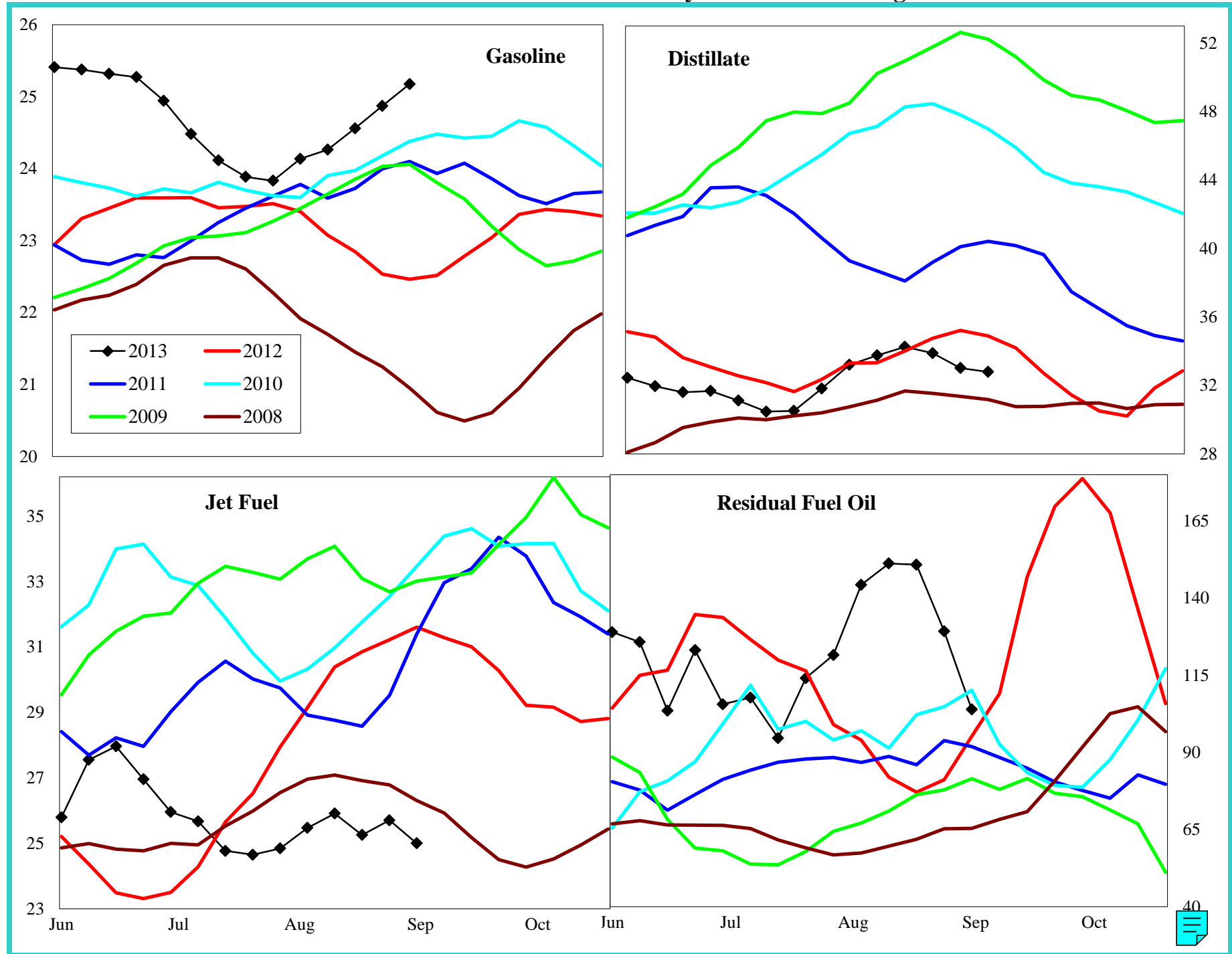
United States Wholesale Petroleum Demand



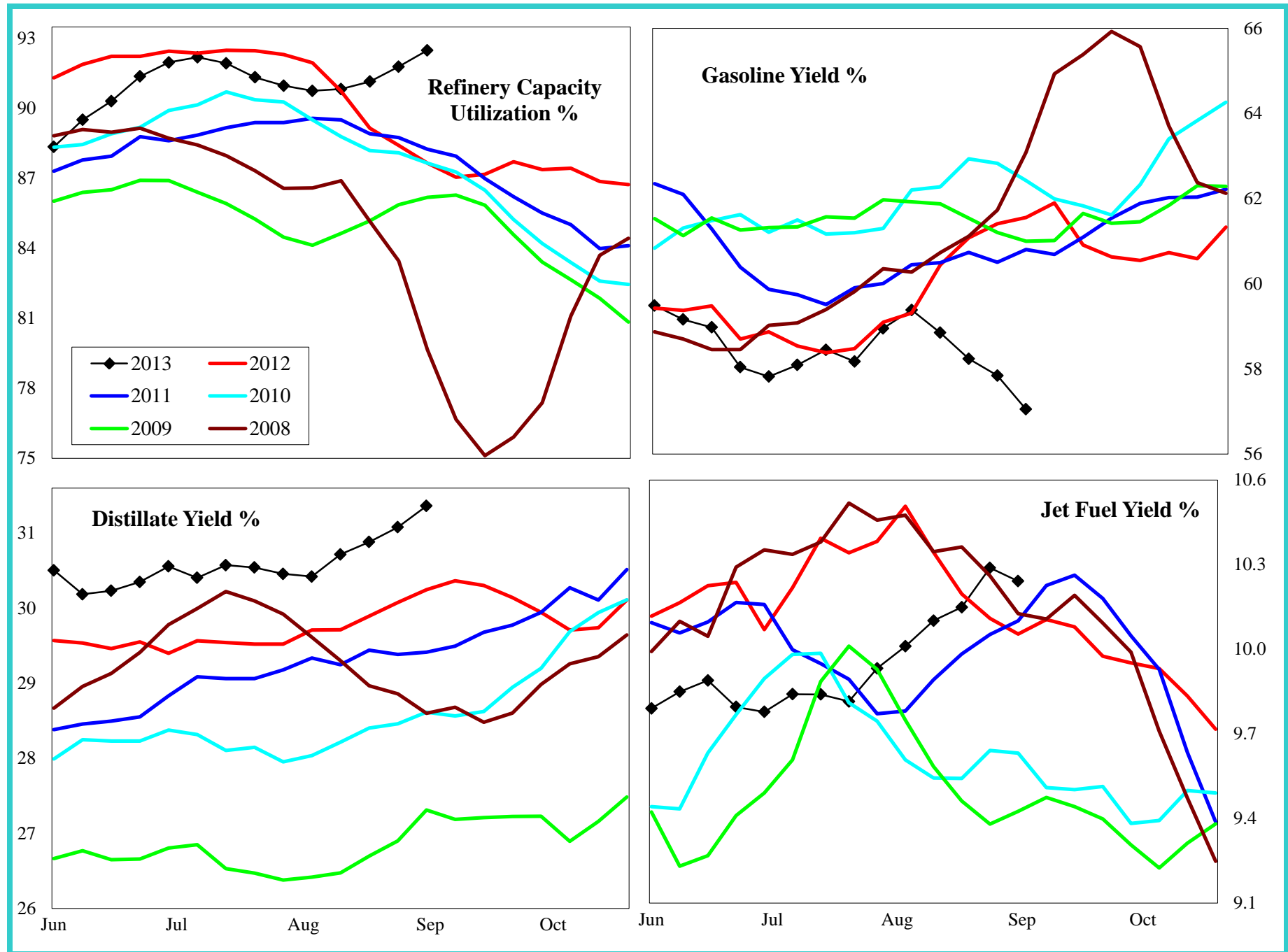
	000 bpd change from prior year				% change from prior year			
	4wk avg	Jul	Jun	May	4wk avg	Jul	Jun	May
Gasoline	-22	207	-116	-13	-0.2	2.3	-1.3	-0.1
Distillate	292	442	380	27	8.6	12.4	10.2	0.7
Jet Fuel	99	68	-56	7	6.8	4.6	-3.6	0.5
Resid	26	-147	-100	-79	8.2	-35.2	-26.9	-26.9



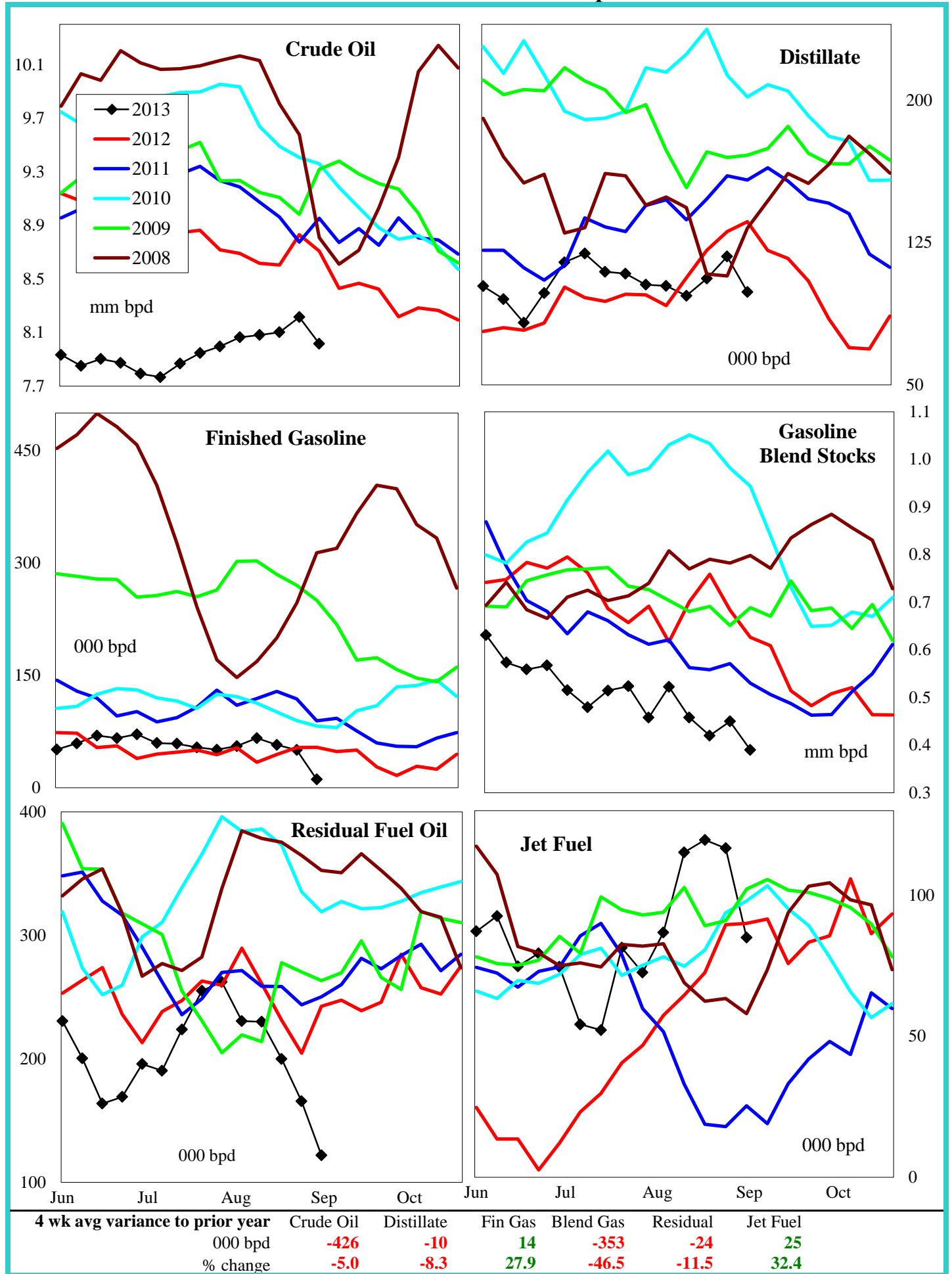
United States Product Stocks: Days Forward Coverage



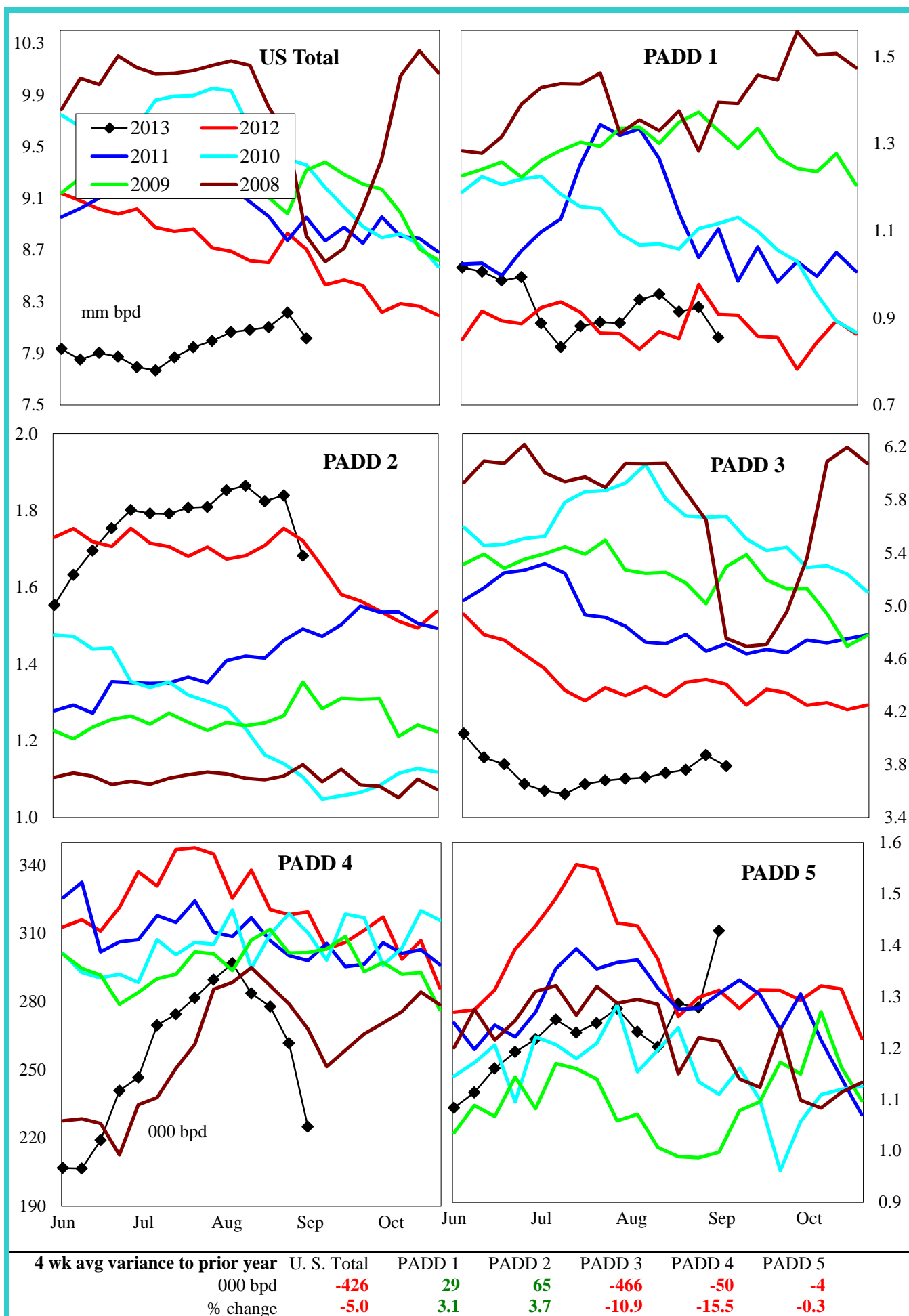
United States Refinery Percent Utilization Rate and Product Yields



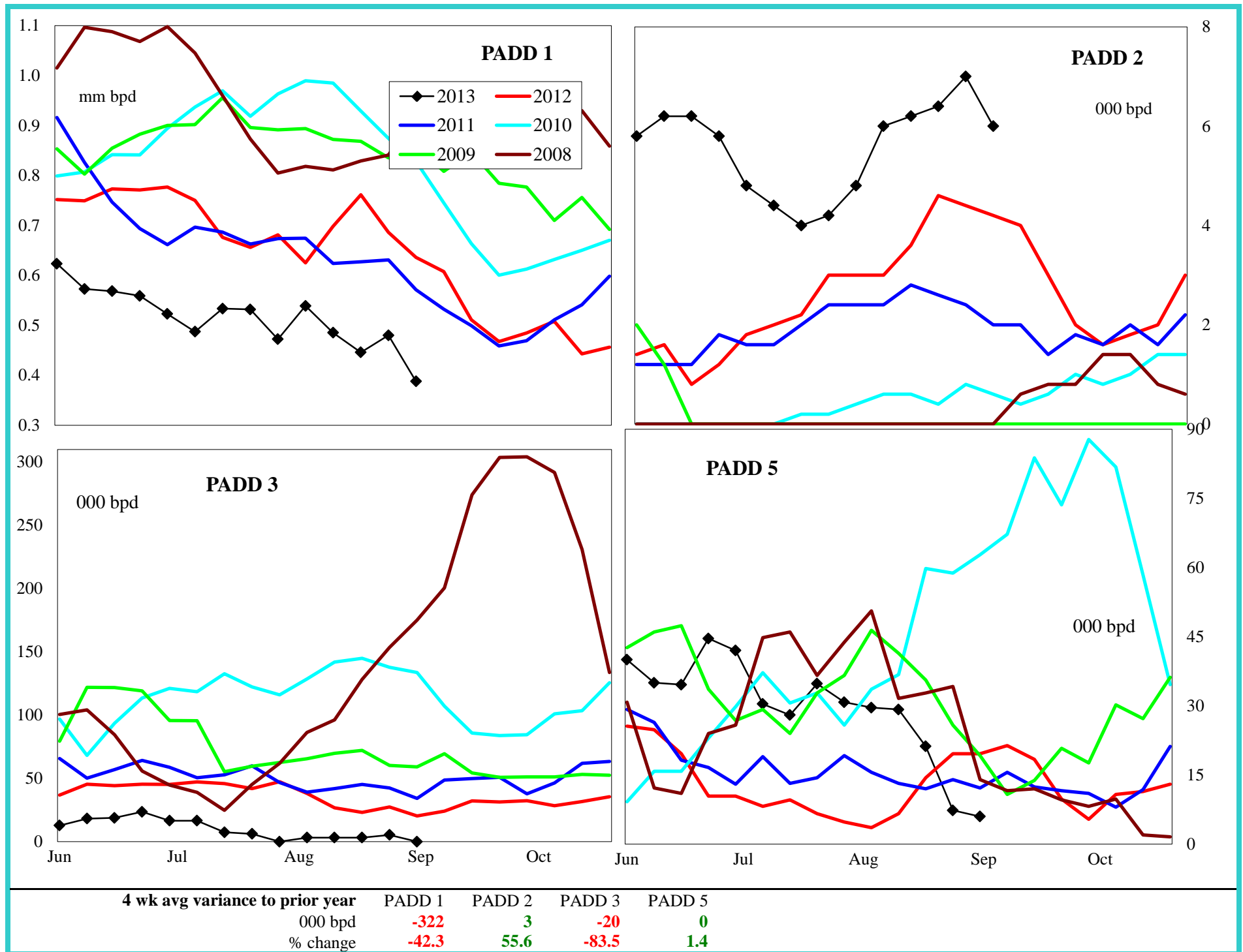
United States Petroleum Imports



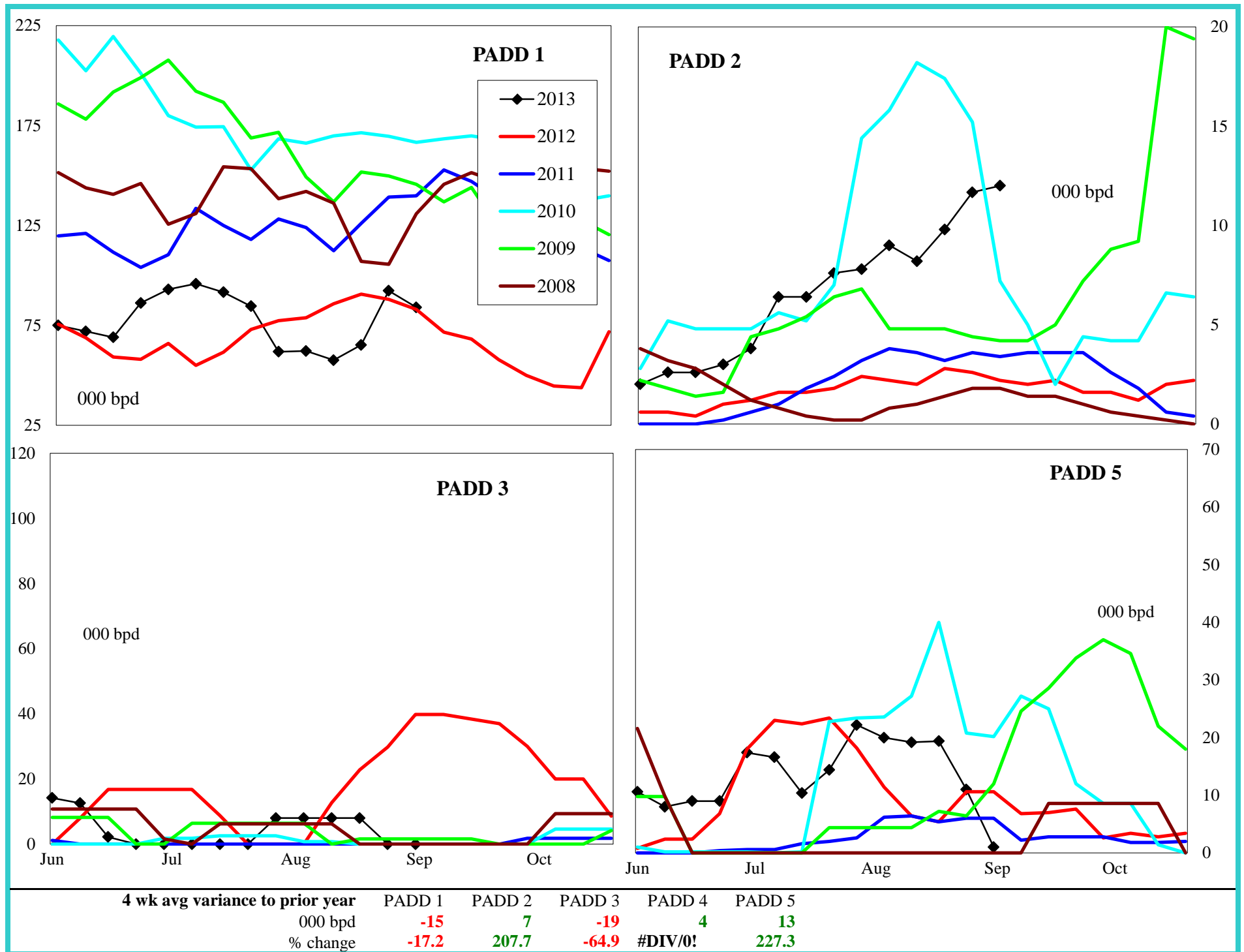
Crude Oil Imports by PADD



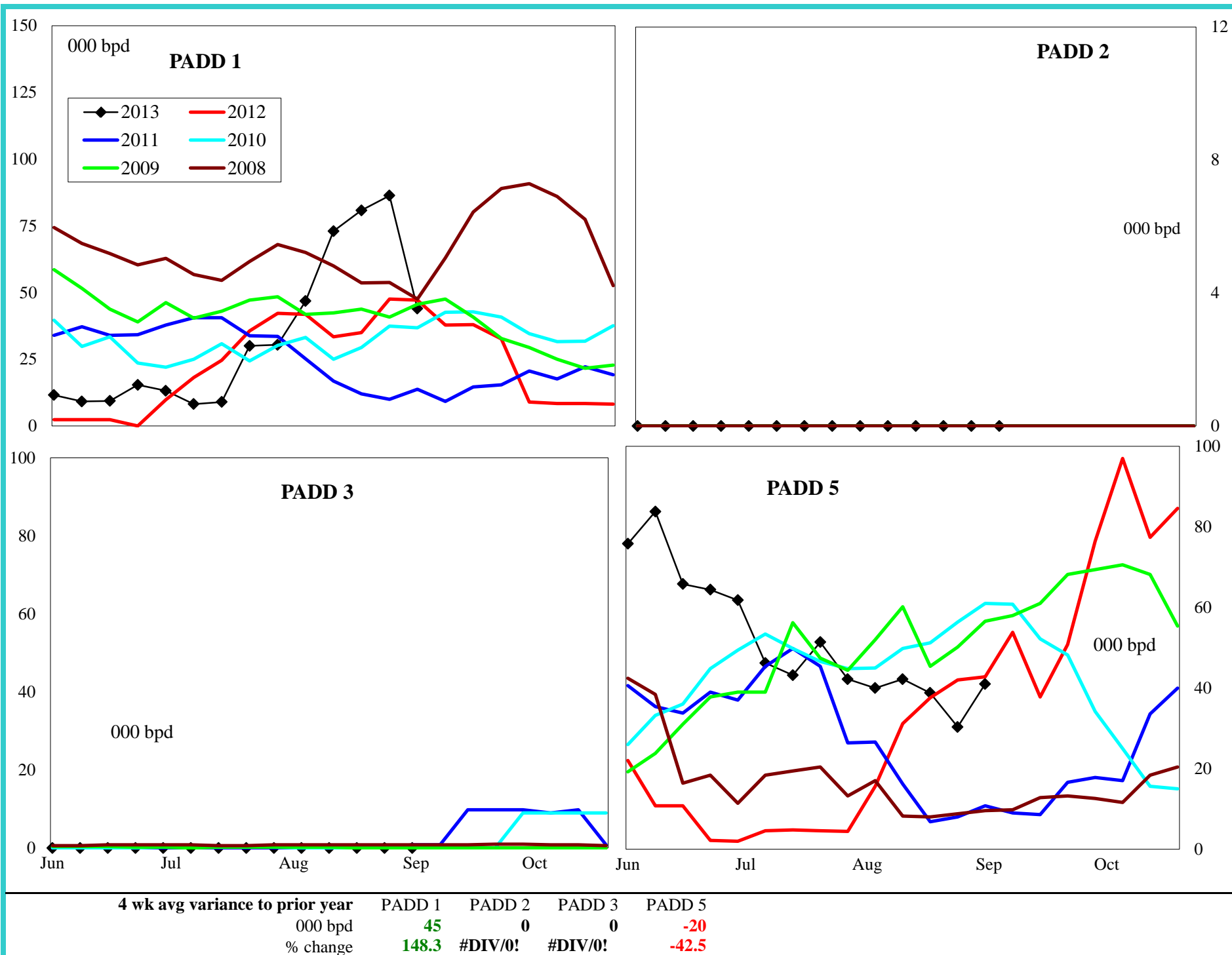
Gasoline Imports by PADD (Finished + Blend Stocks)



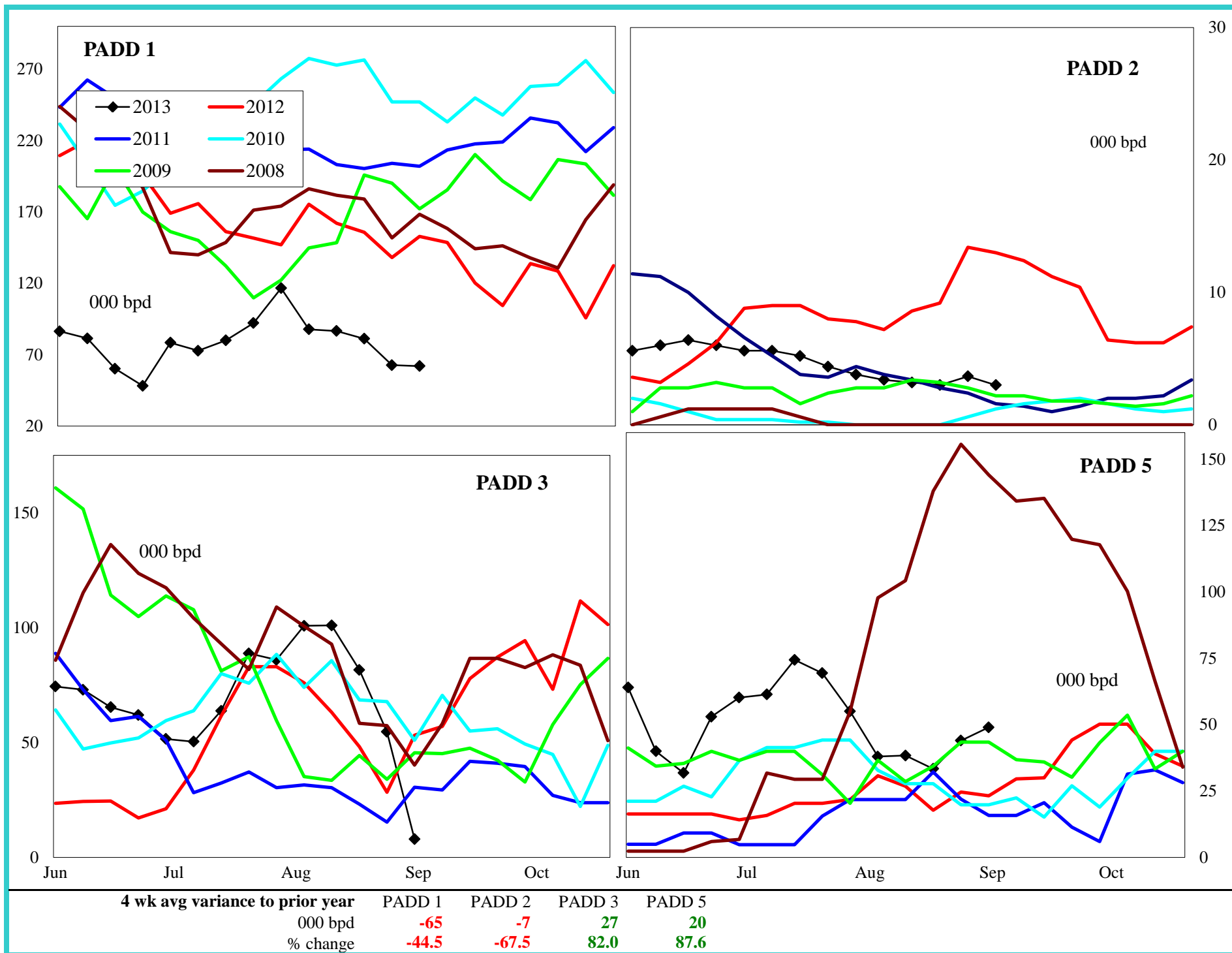
Distillate Imports by PADD



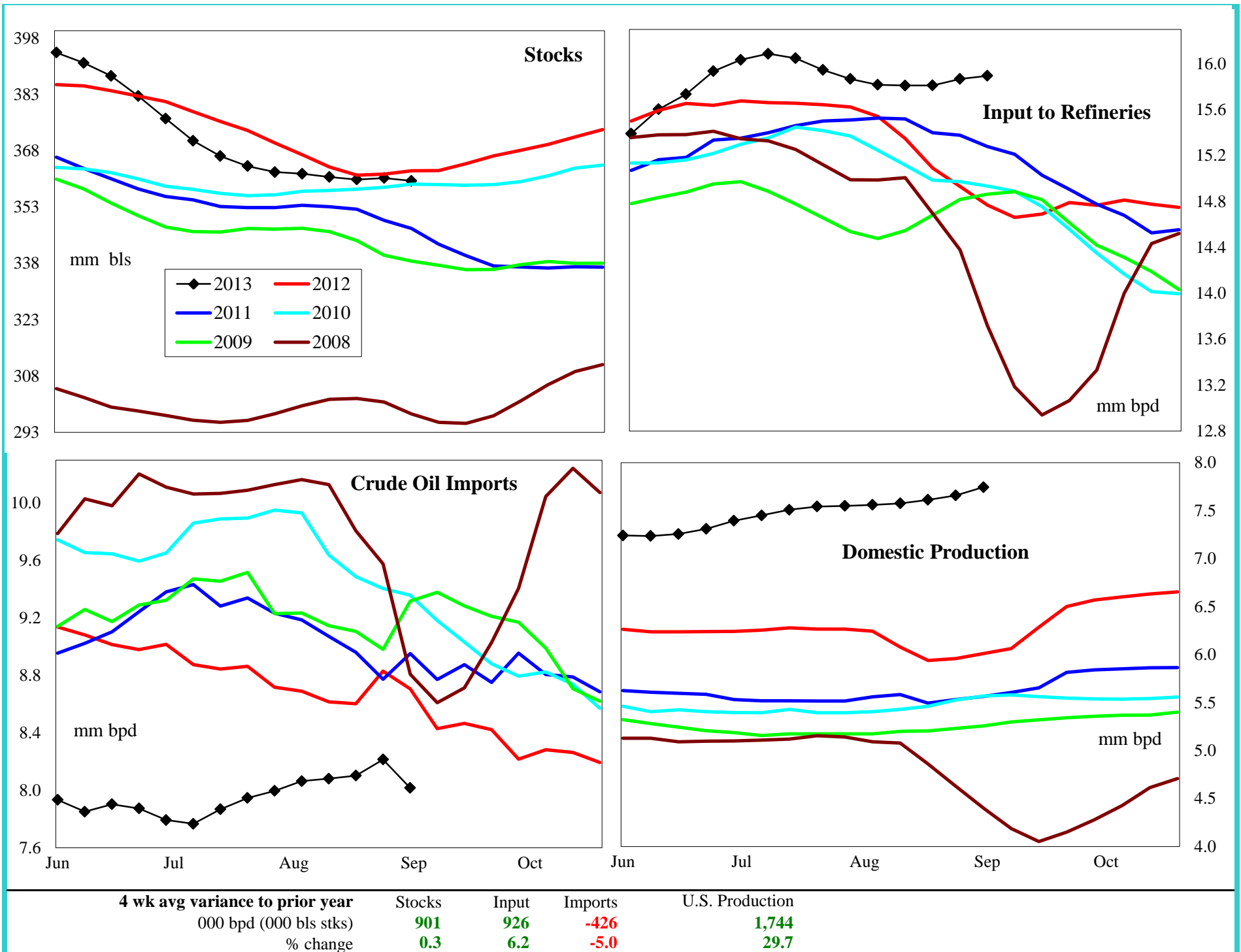
Jet Fuel Imports by PADD



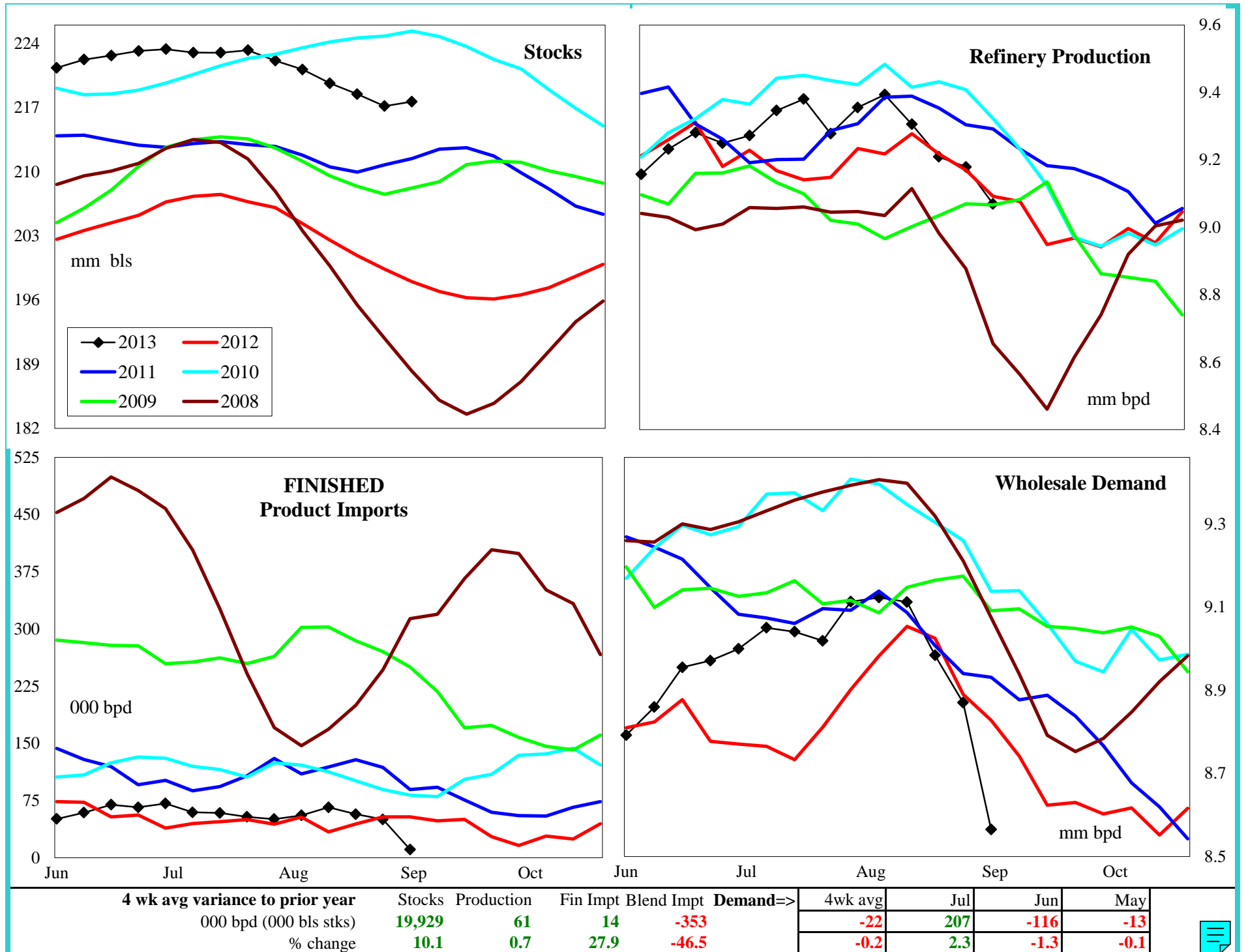
Residual Fuel Oil Imports by PADD



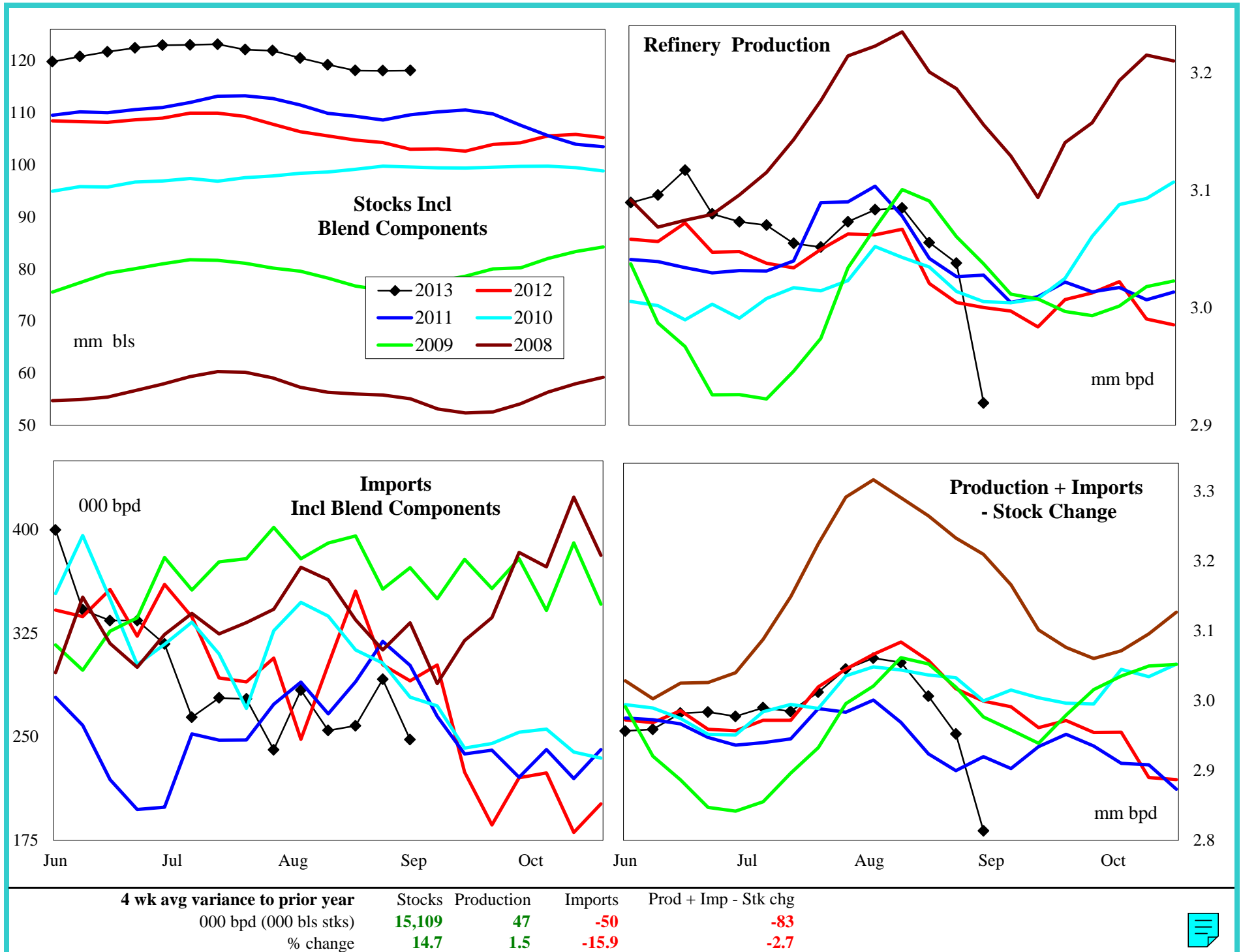
United States Crude Oil Supply and Demand Balance



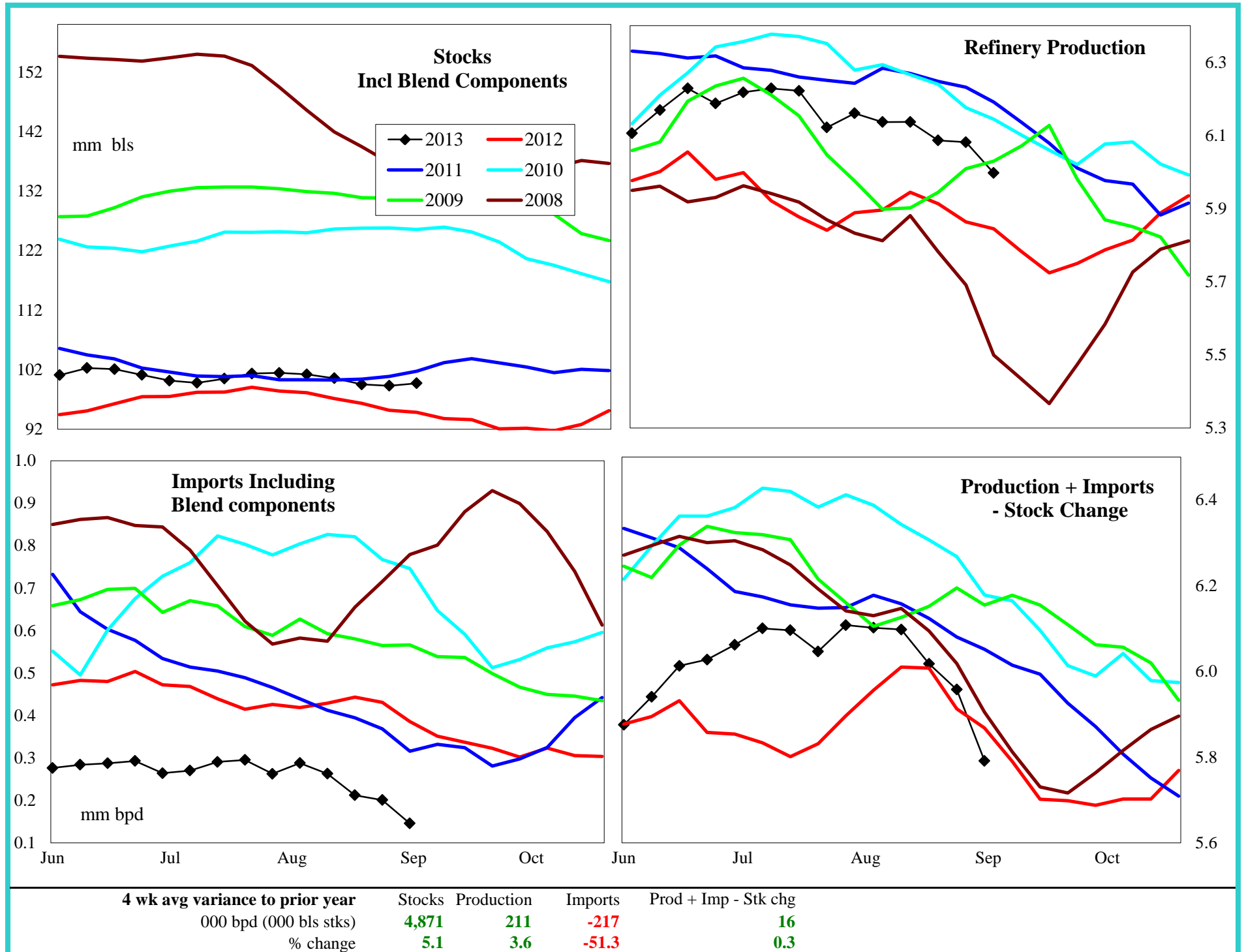
United States Gasoline Supply and Demand Balance



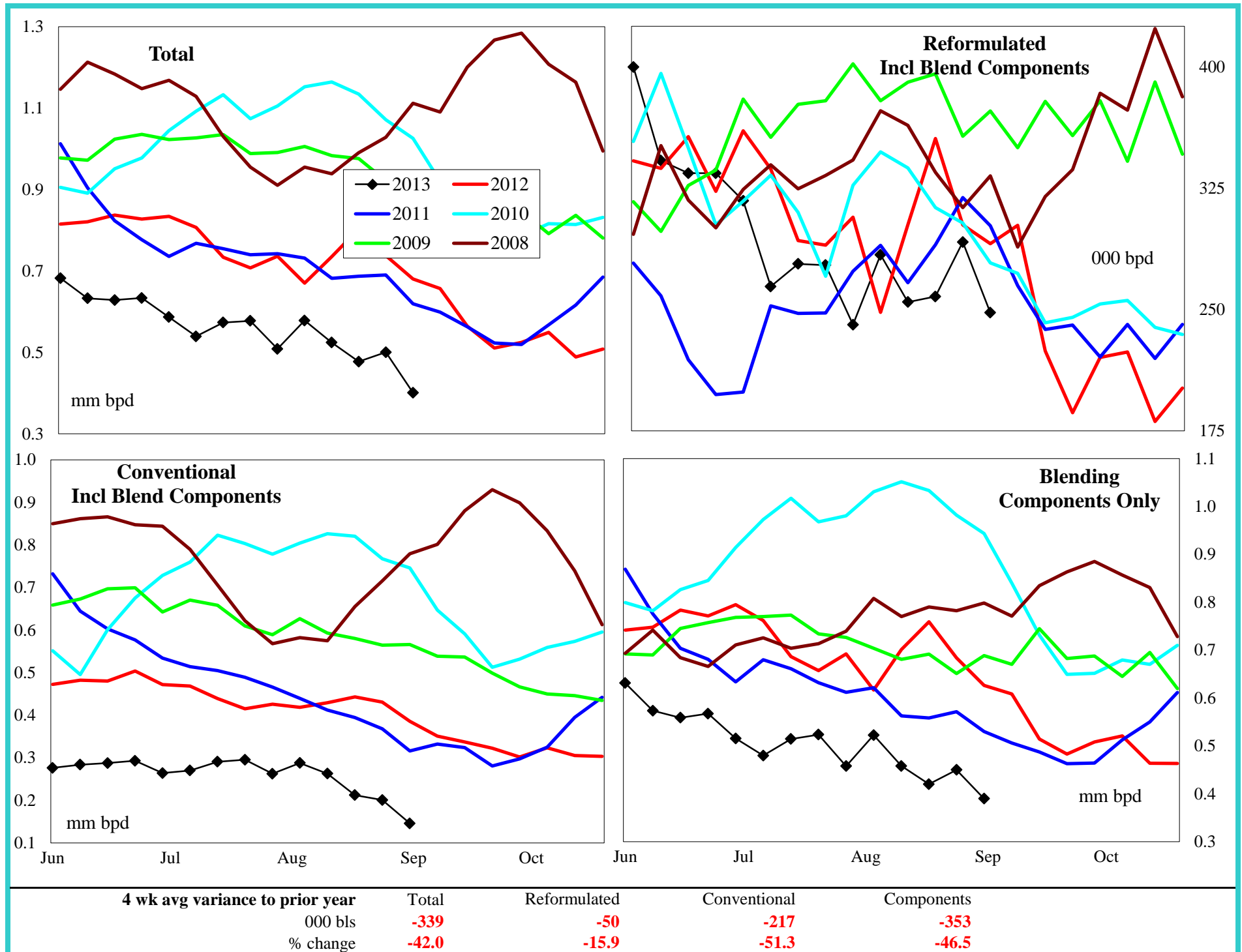
United States Reformulated Gasoline Supply



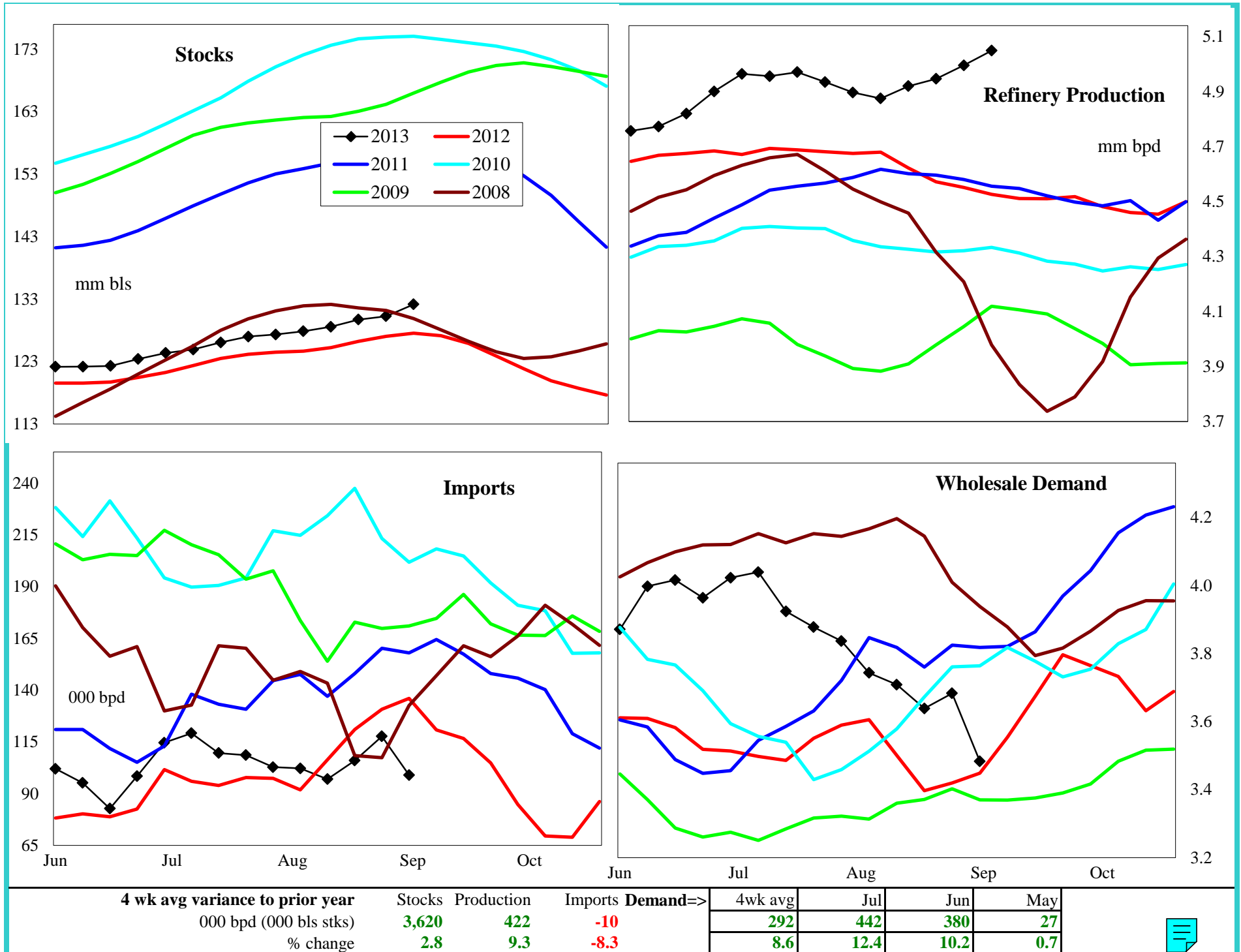
United States Conventional Gasoline Supply



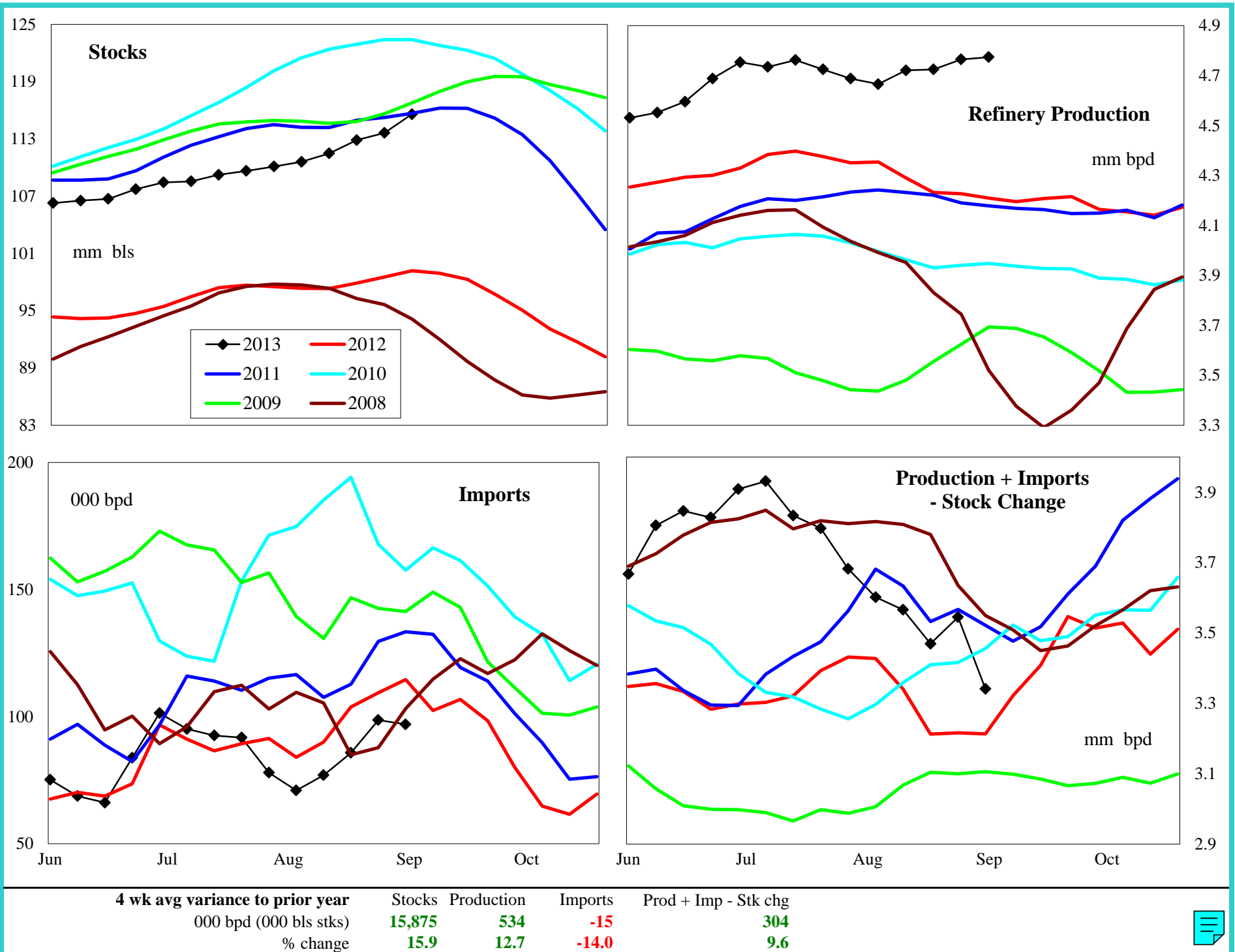
United States Gasoline Imports by Type



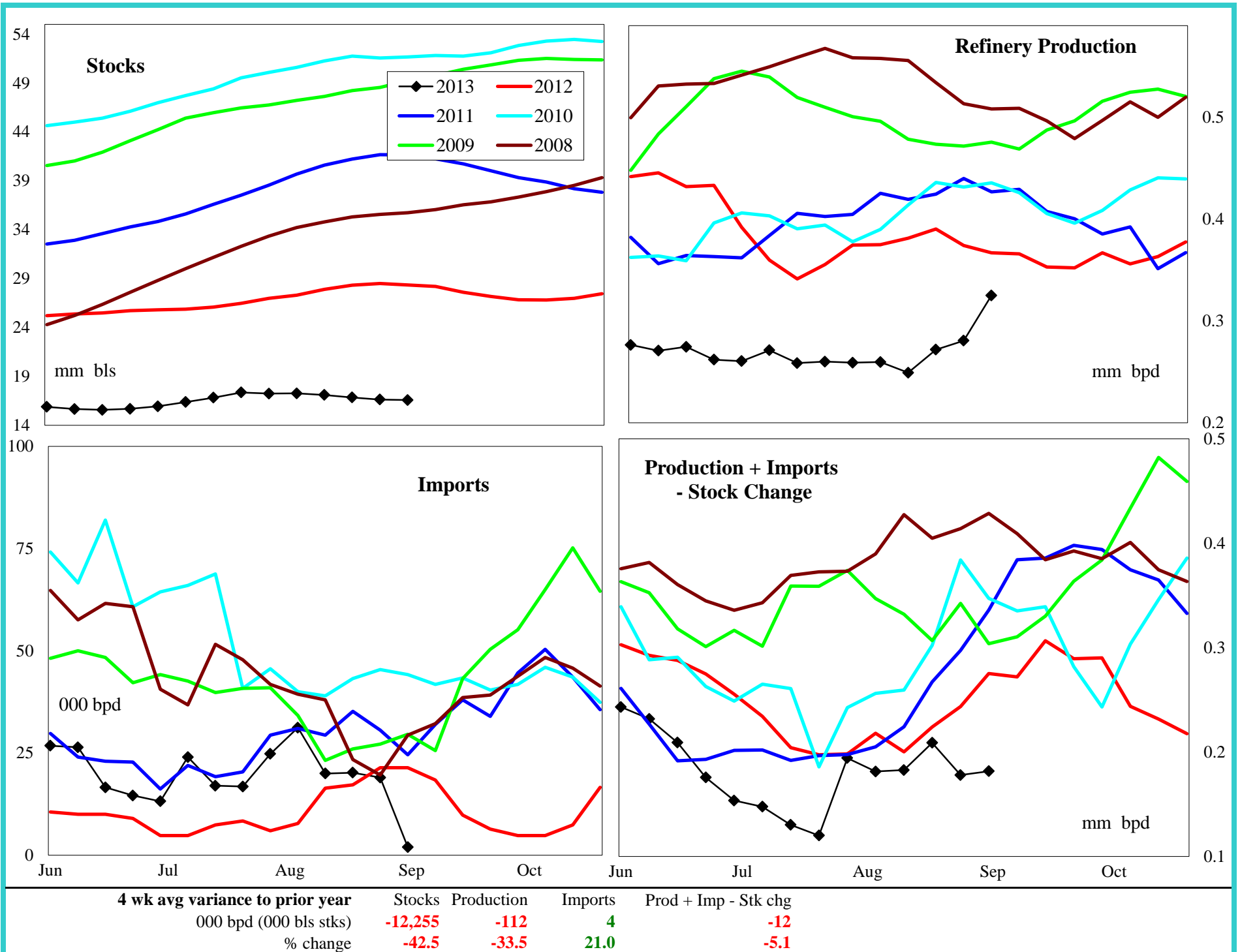
United States Distillate Supply and Demand Balance



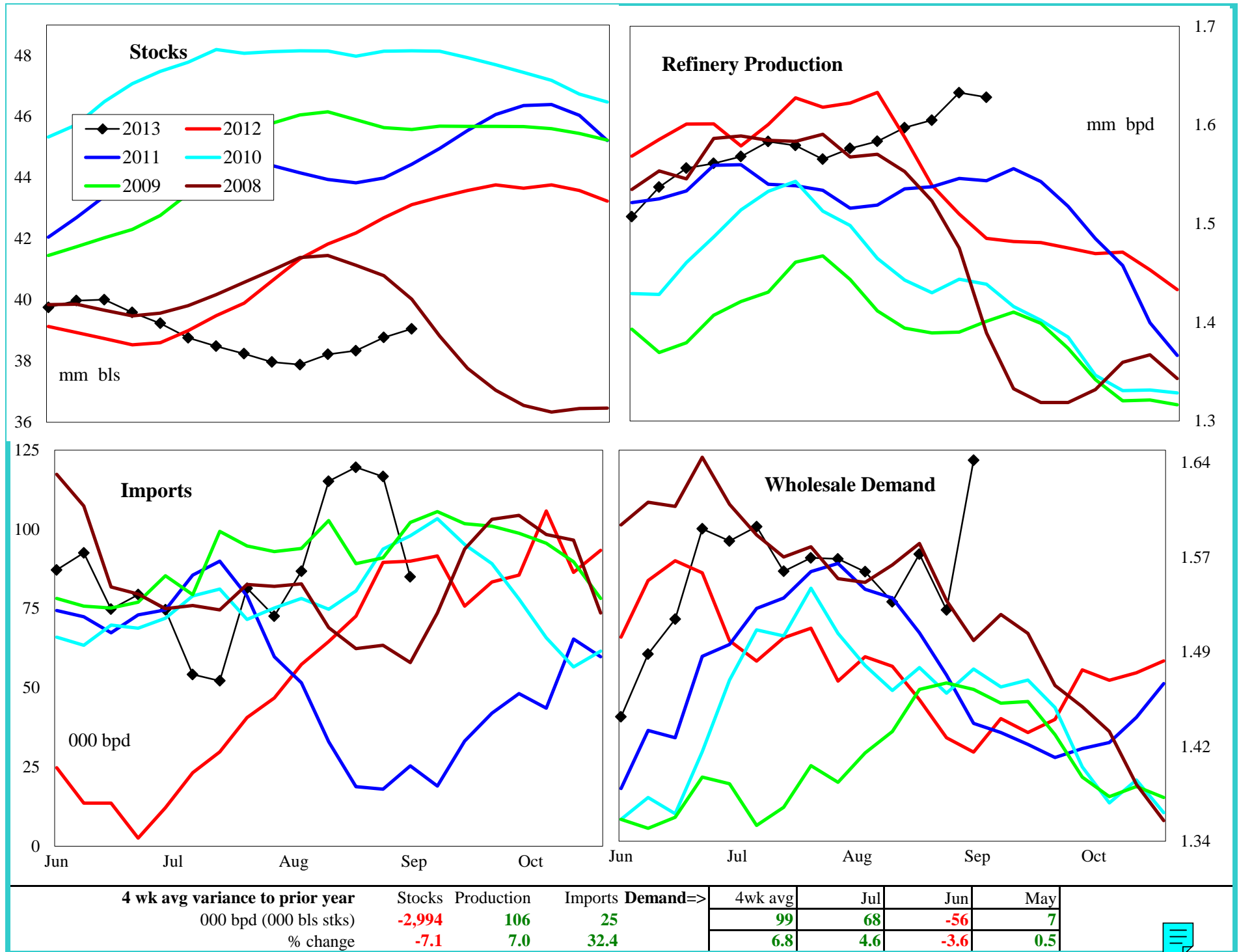
United States Low Sulfur Distillate Supply



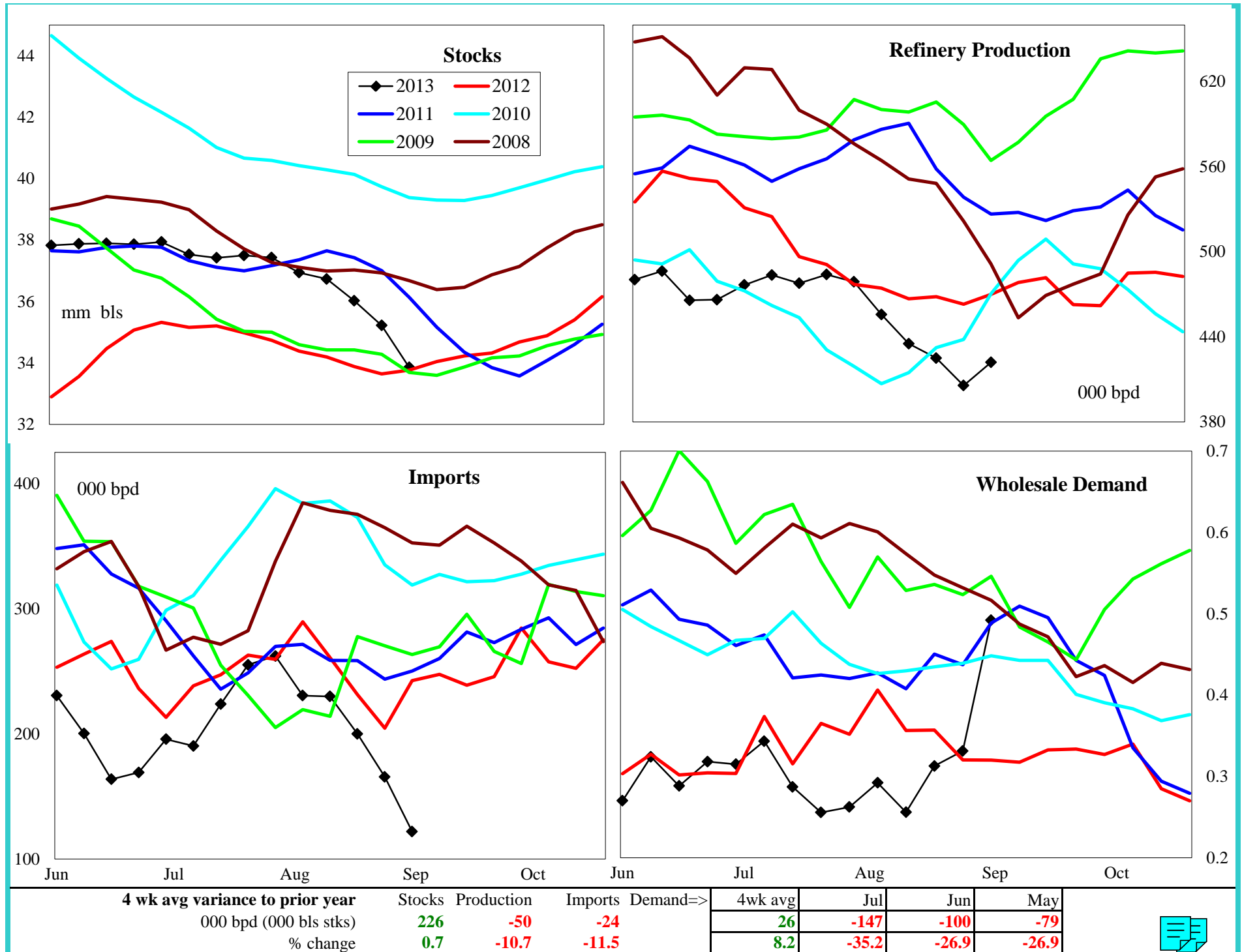
United States High Sulfur Distillate Supply



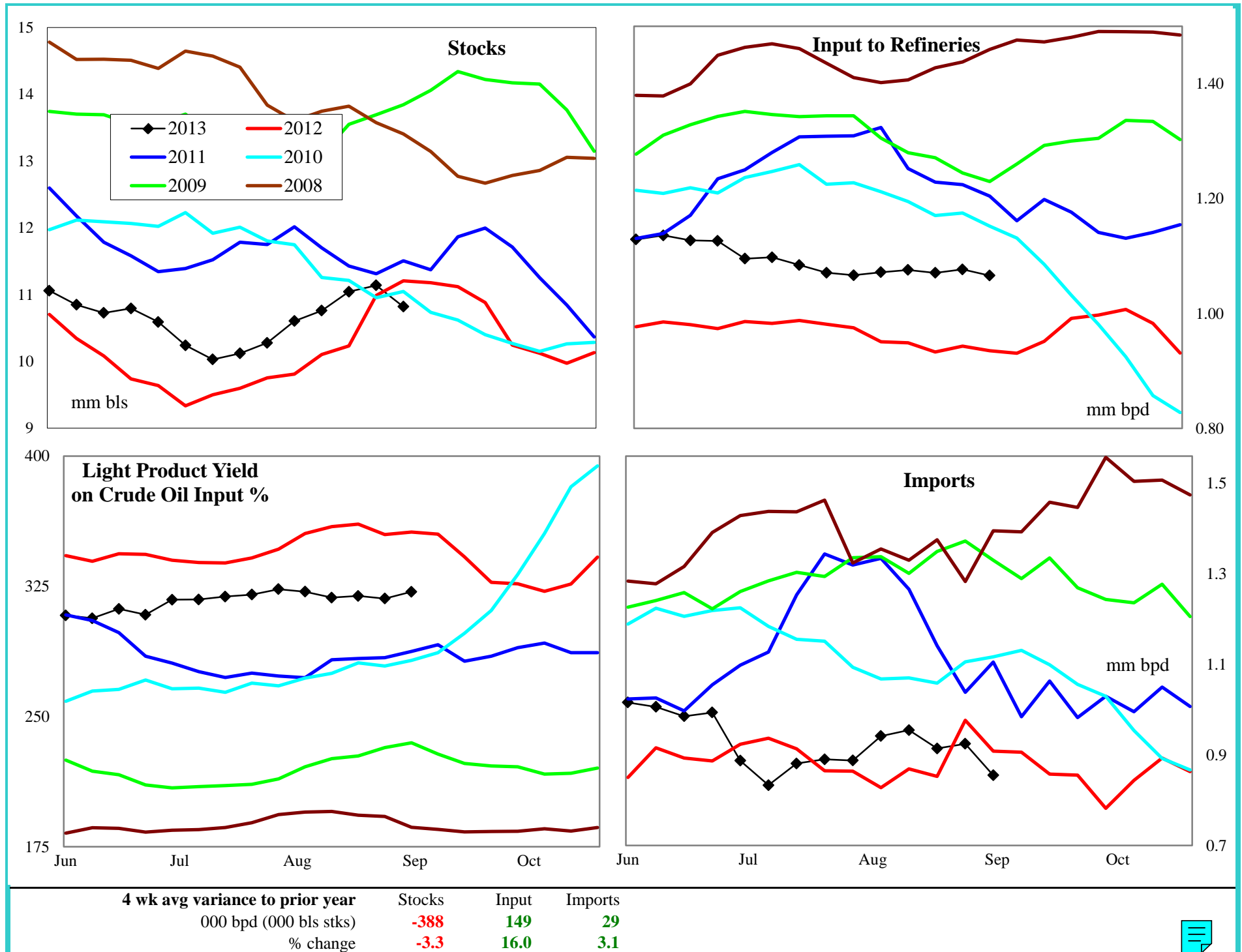
United States Jet Fuel Supply and Demand Balance



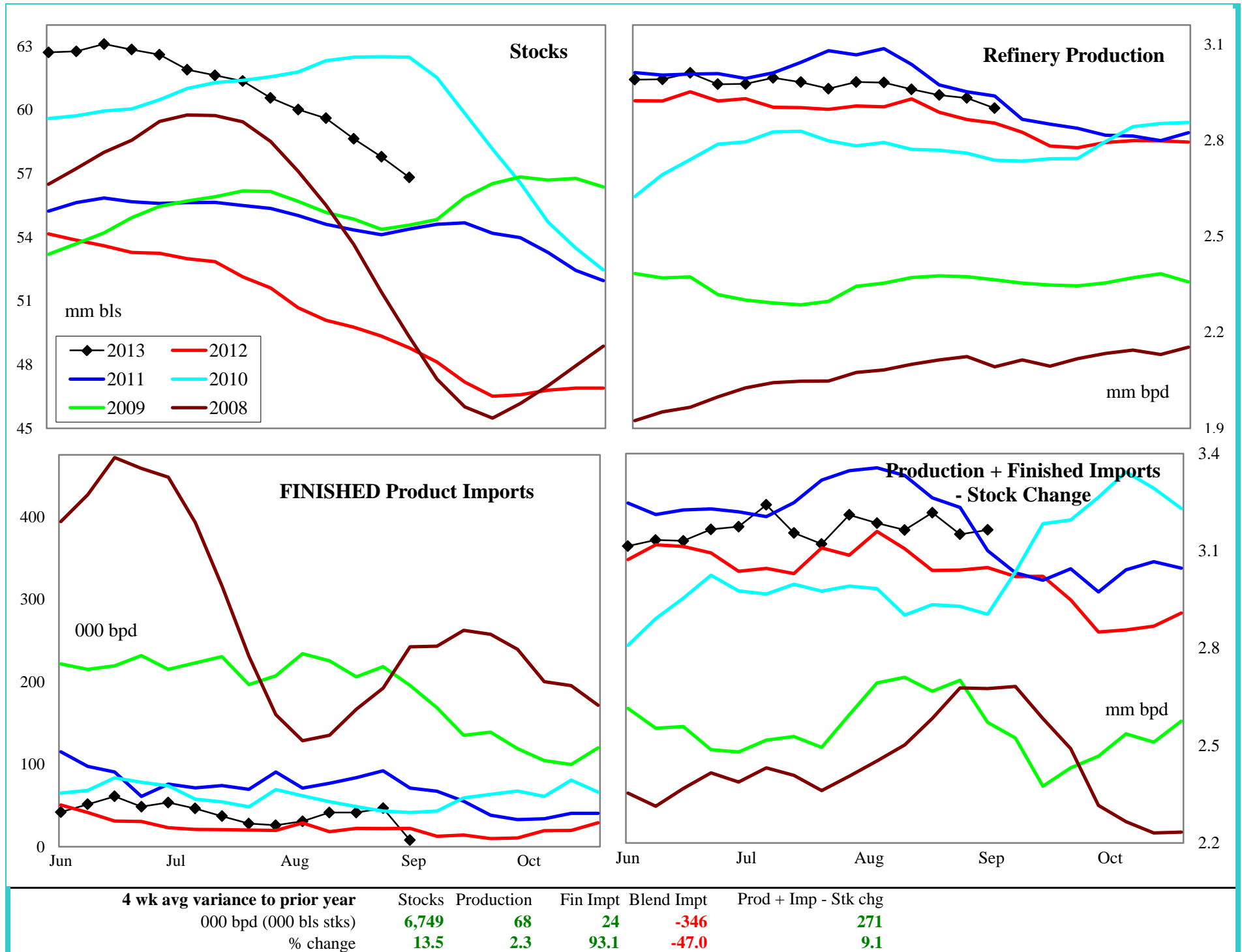
United States Residual Fuel Oil Supply and Demand Balance



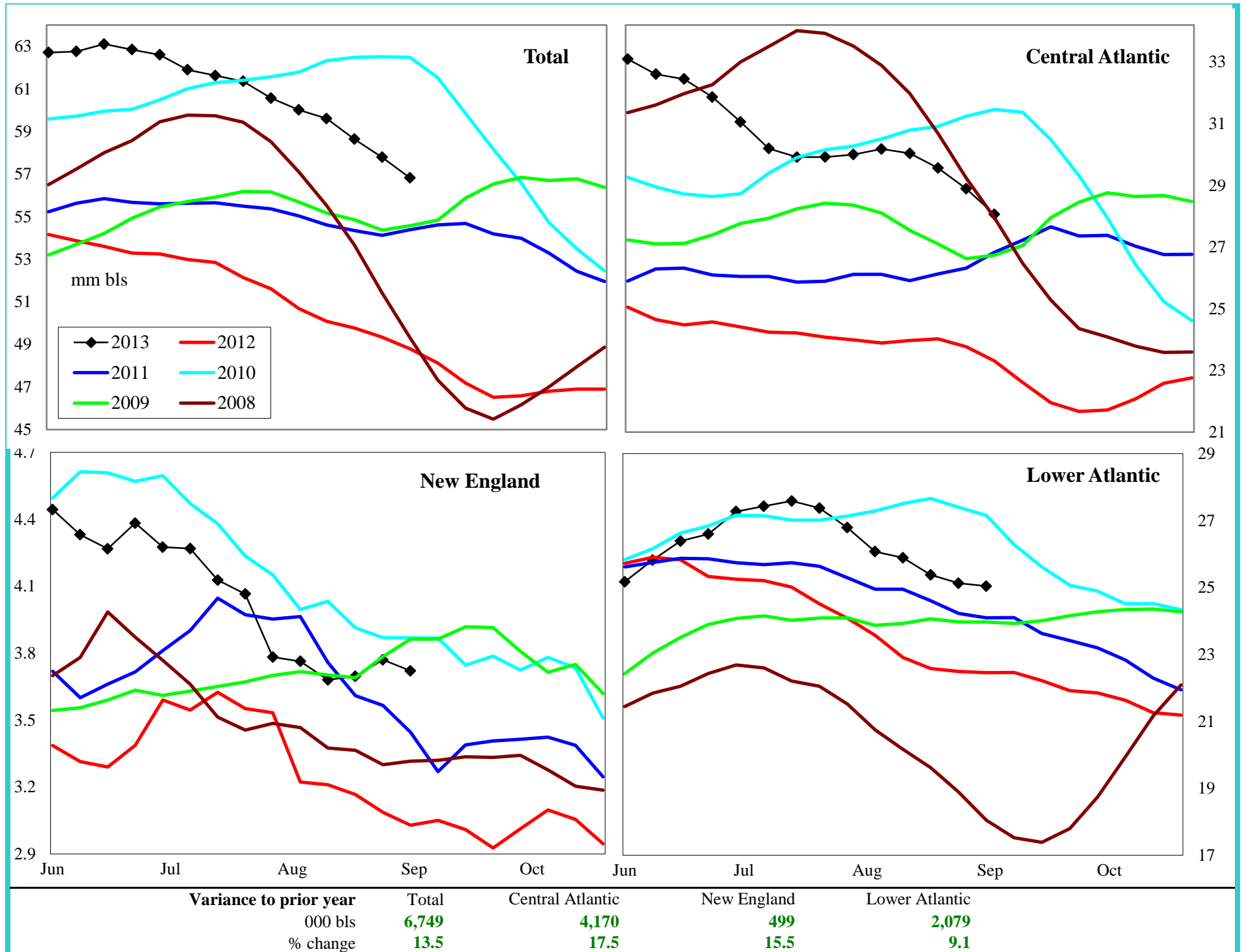
PADD 1 Crude Oil Supply and Refining



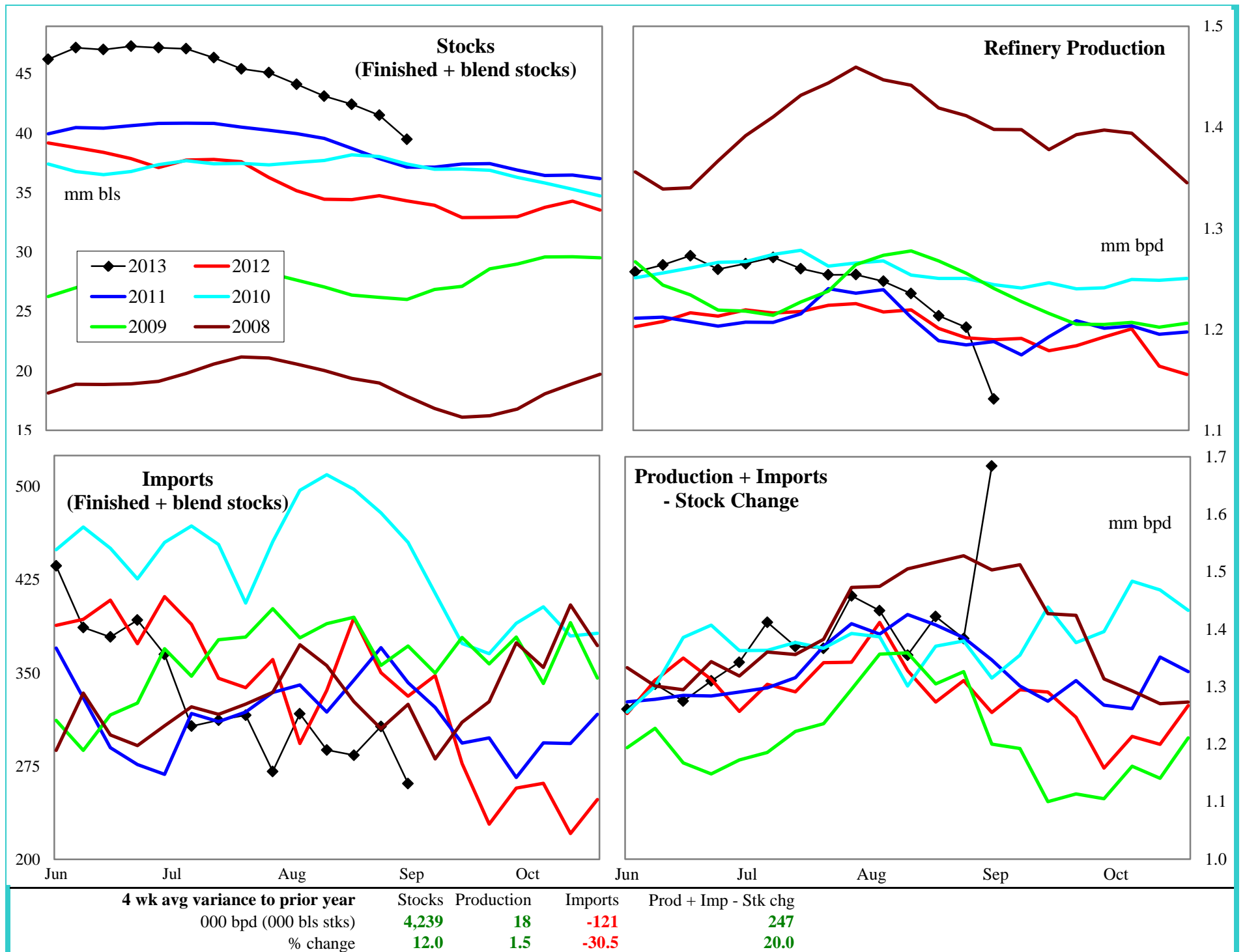
PADD 1 Gasoline Supply



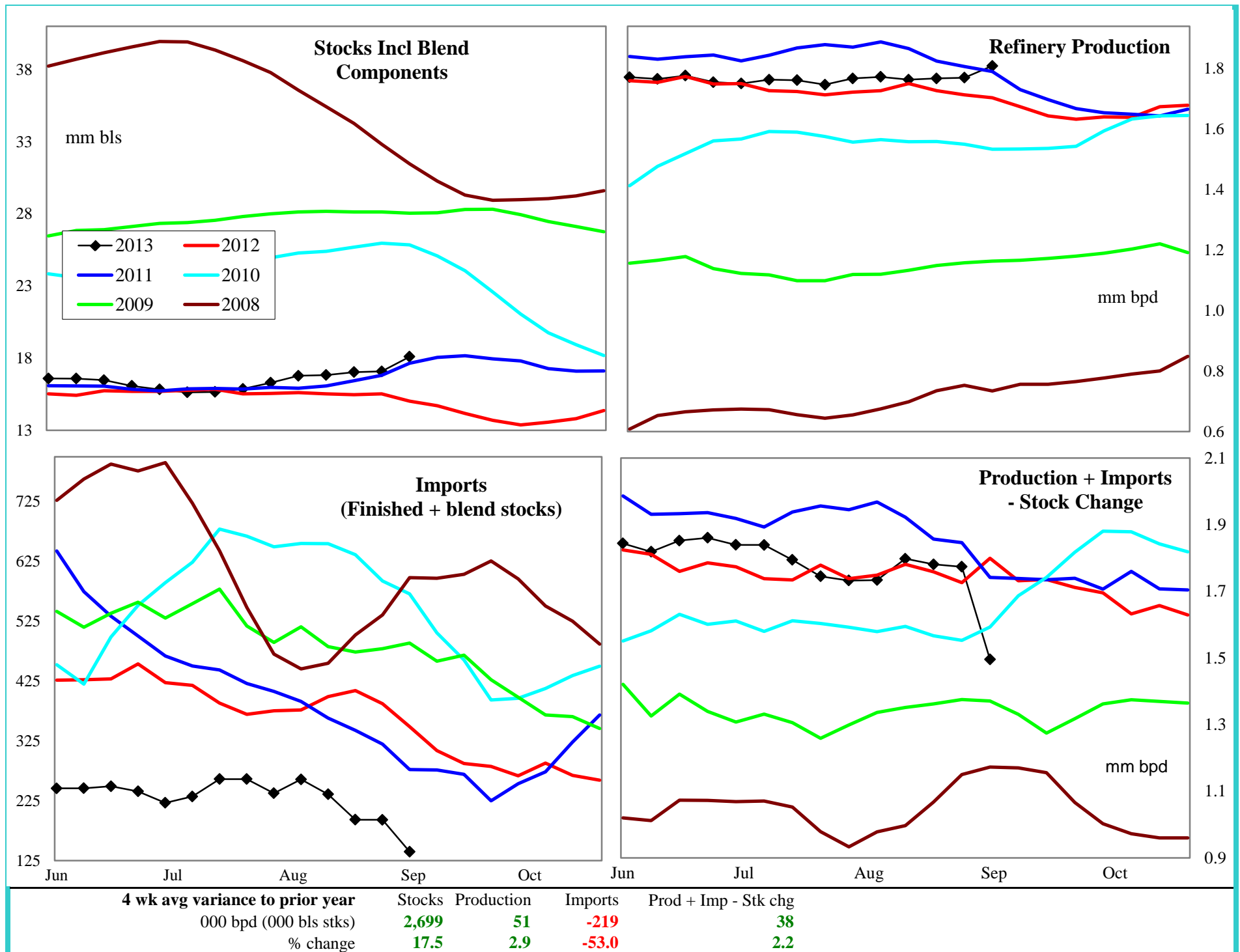
PADD 1 Gasoline Stocks by Region



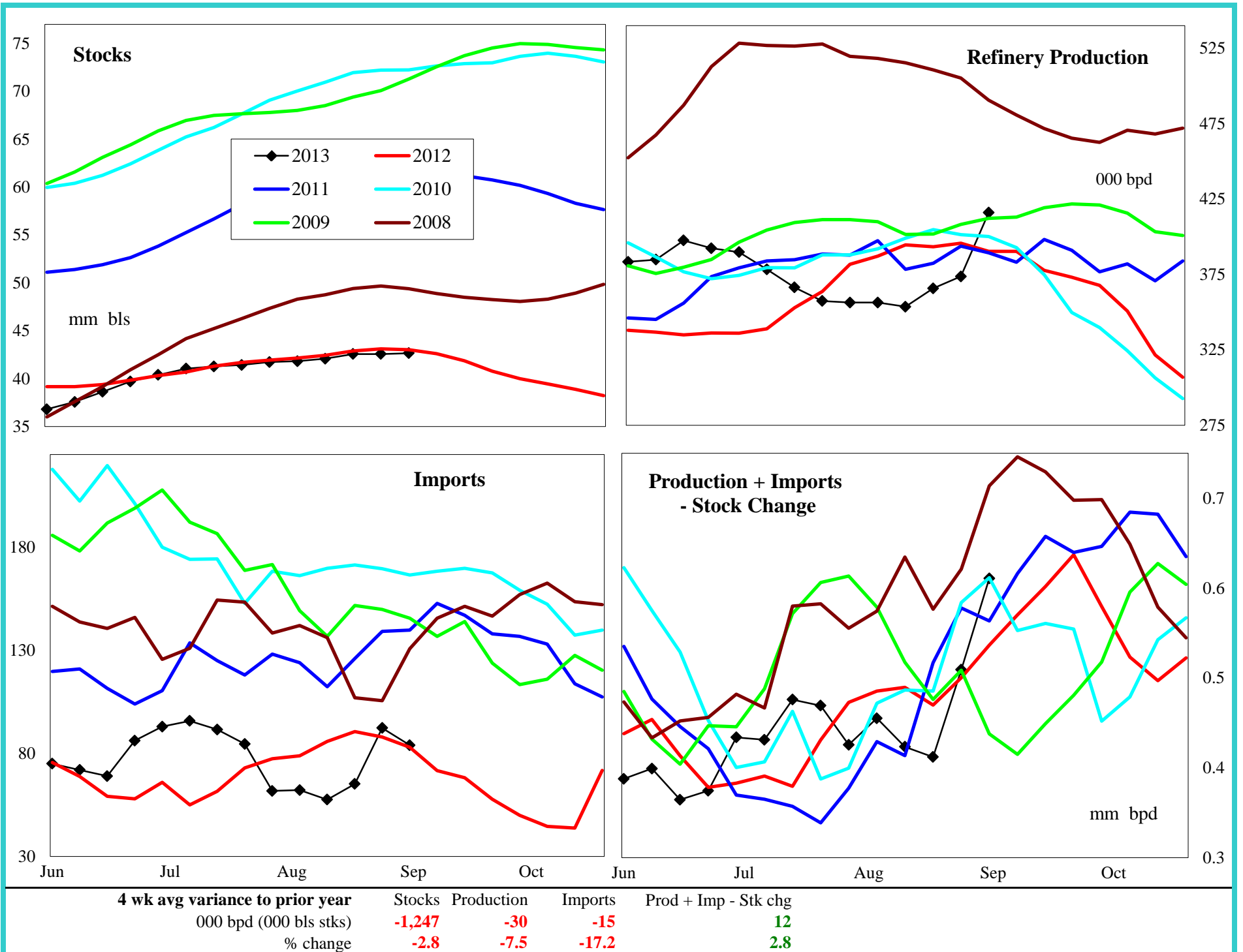
PADD 1 Reformulated Gasoline Supply



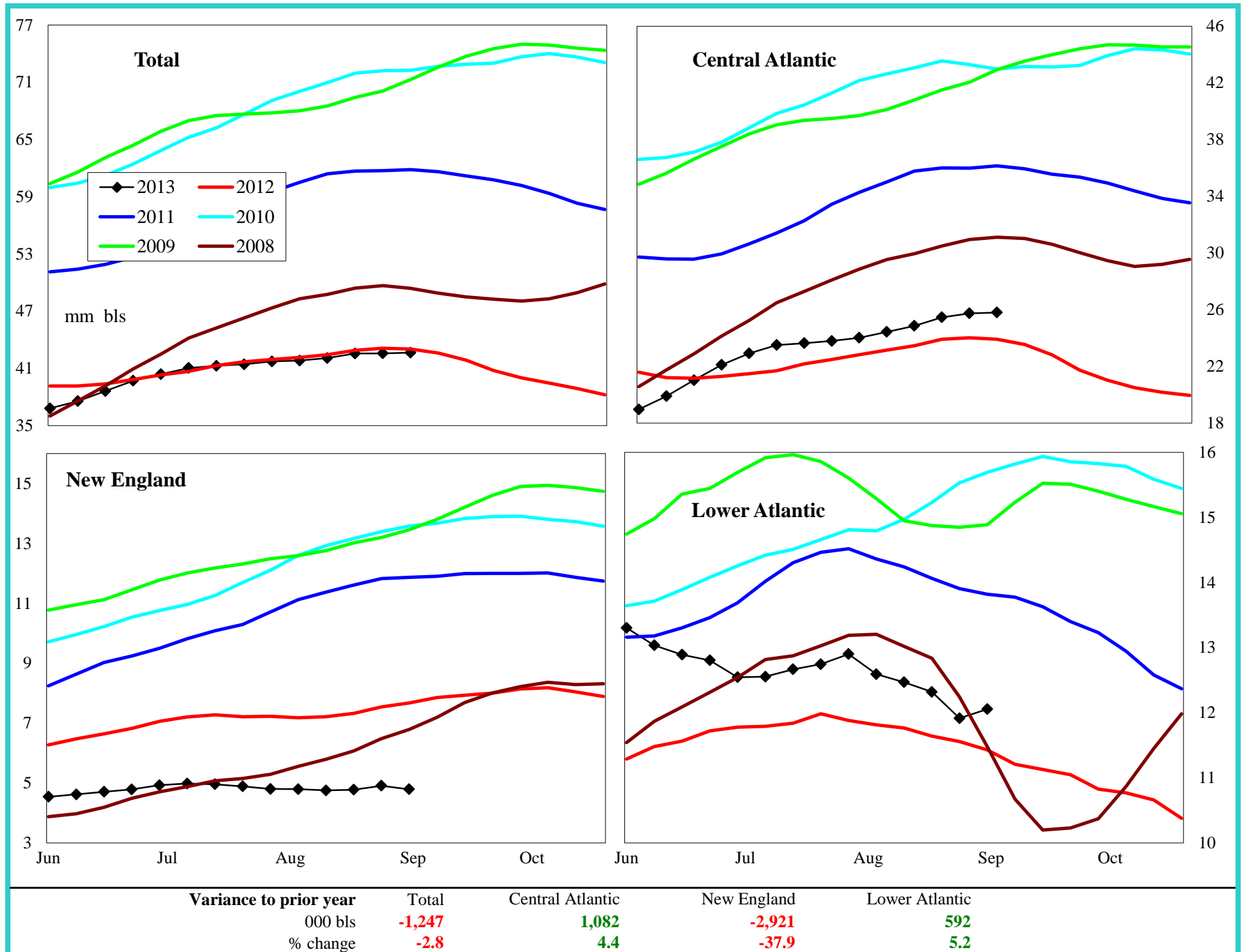
PADD 1 Conventional Gasoline Supply



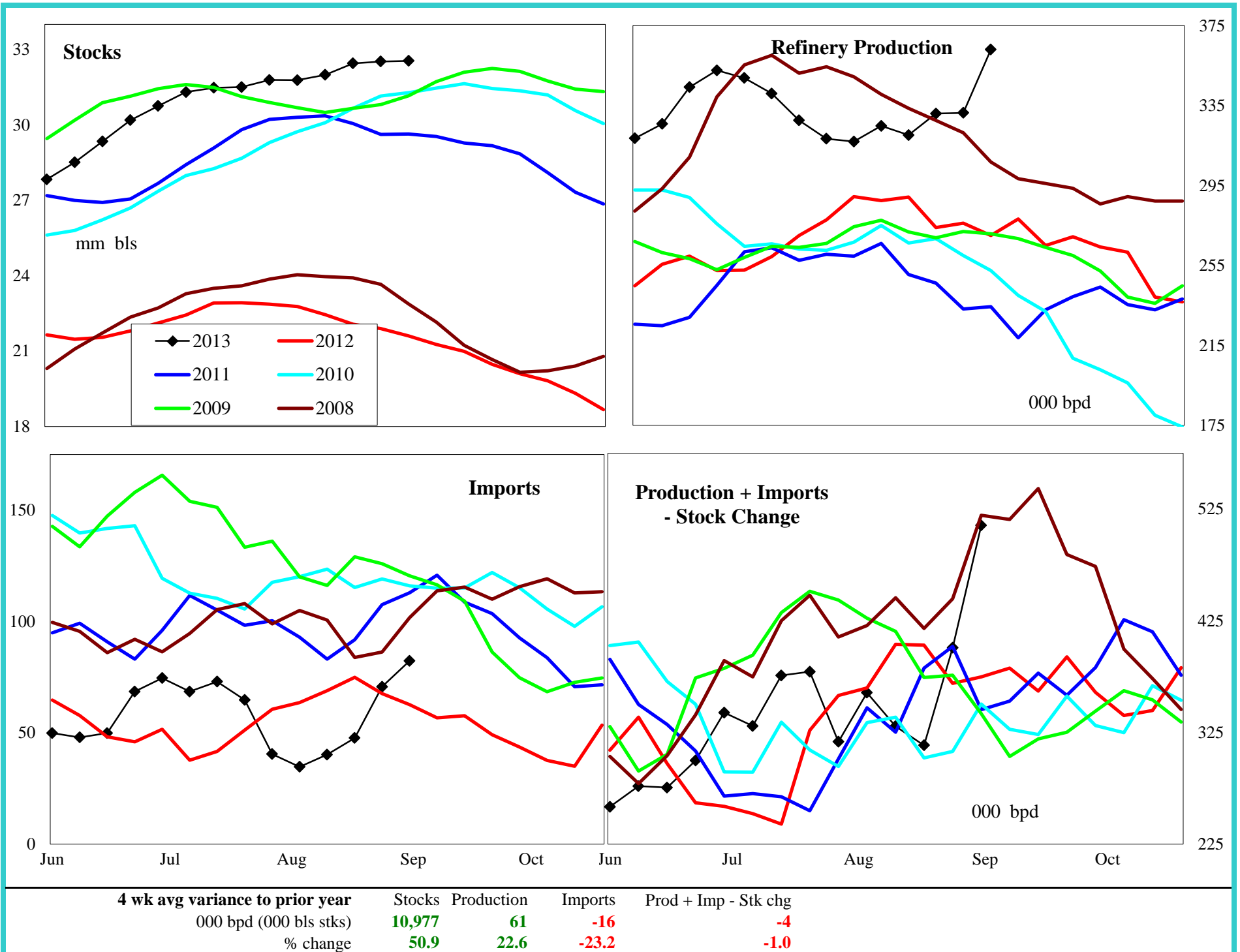
PADD 1 Distillate Supply



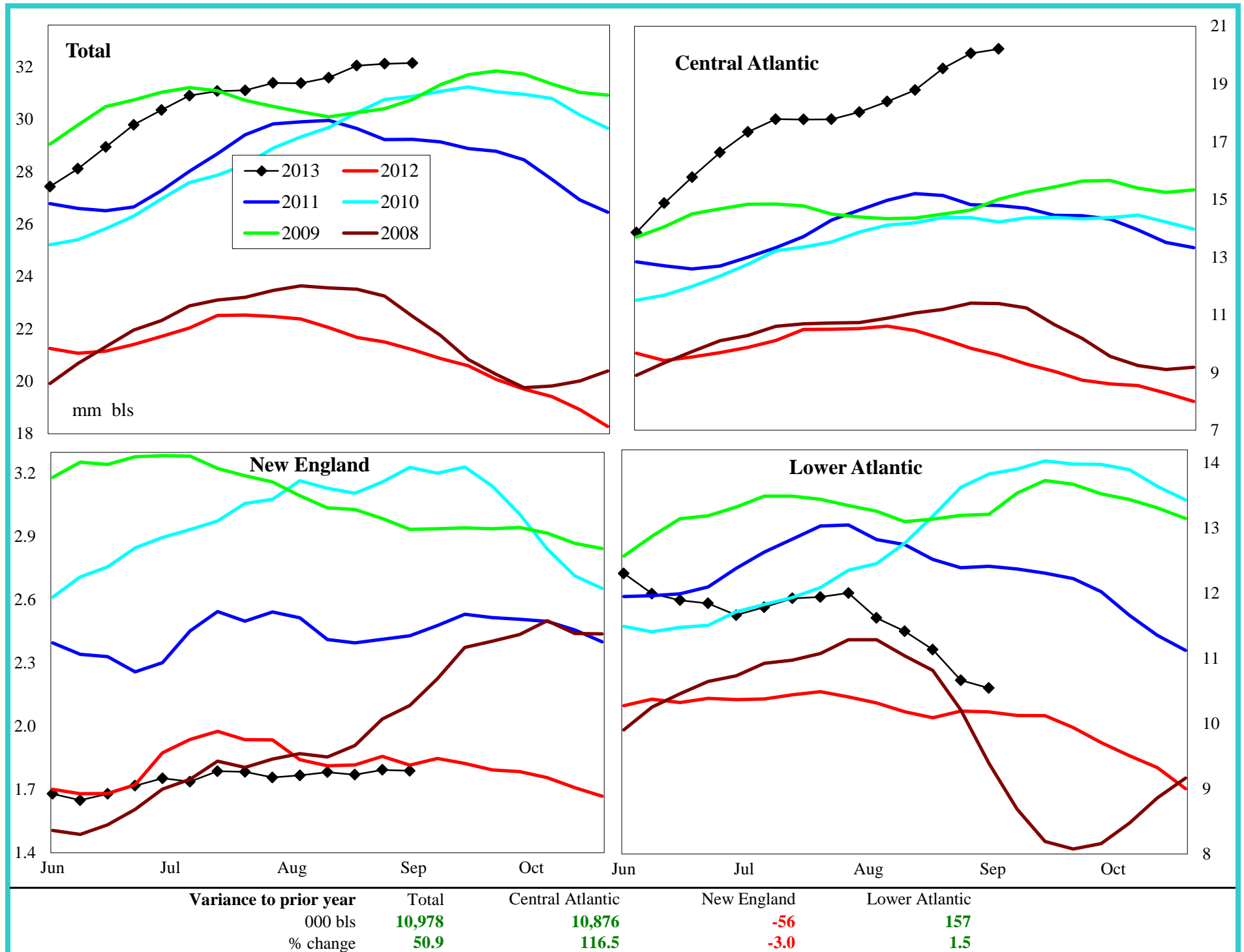
PADD 1 Distillate Stocks by Region



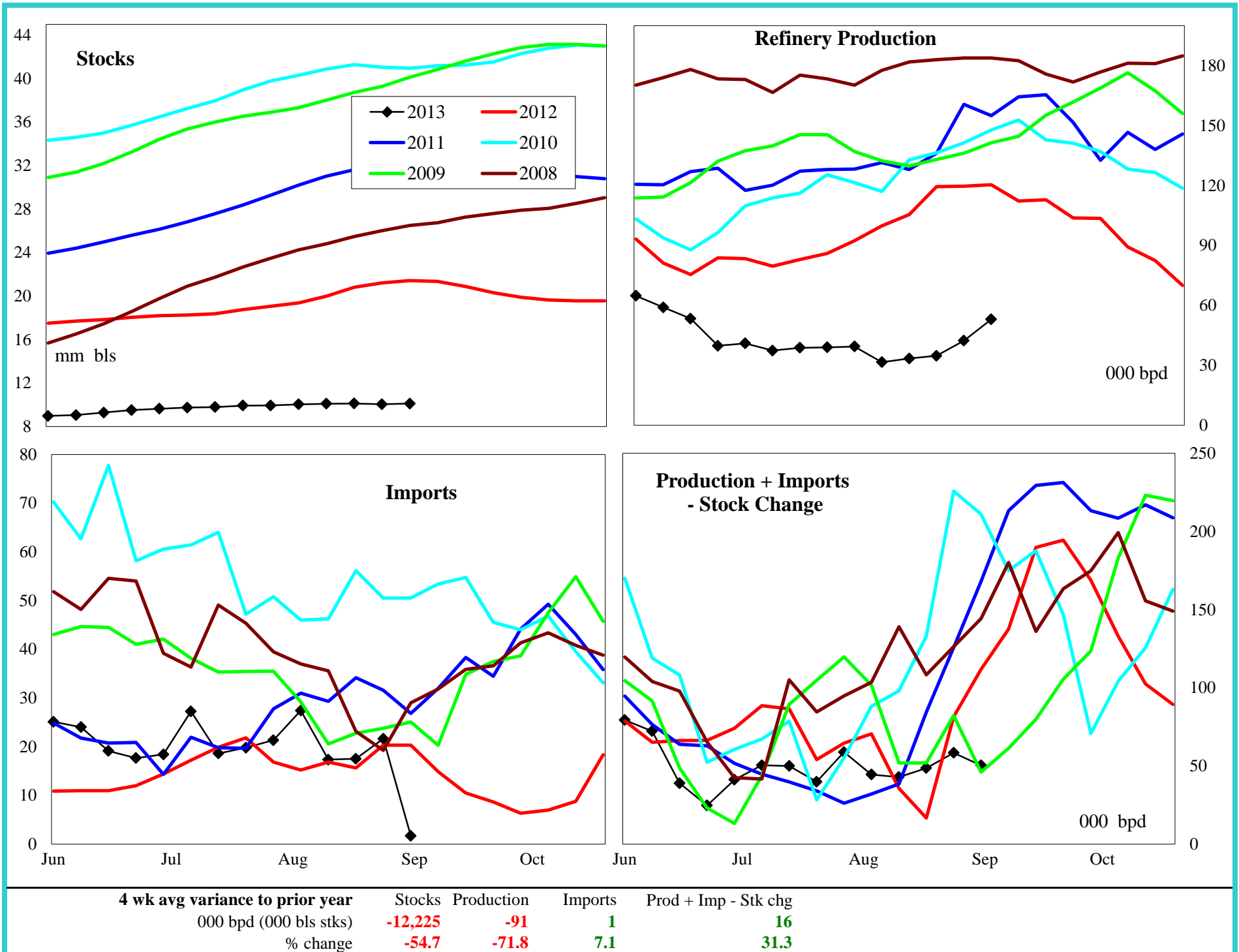
PADD 1 Low Sulfur Distillate Supply



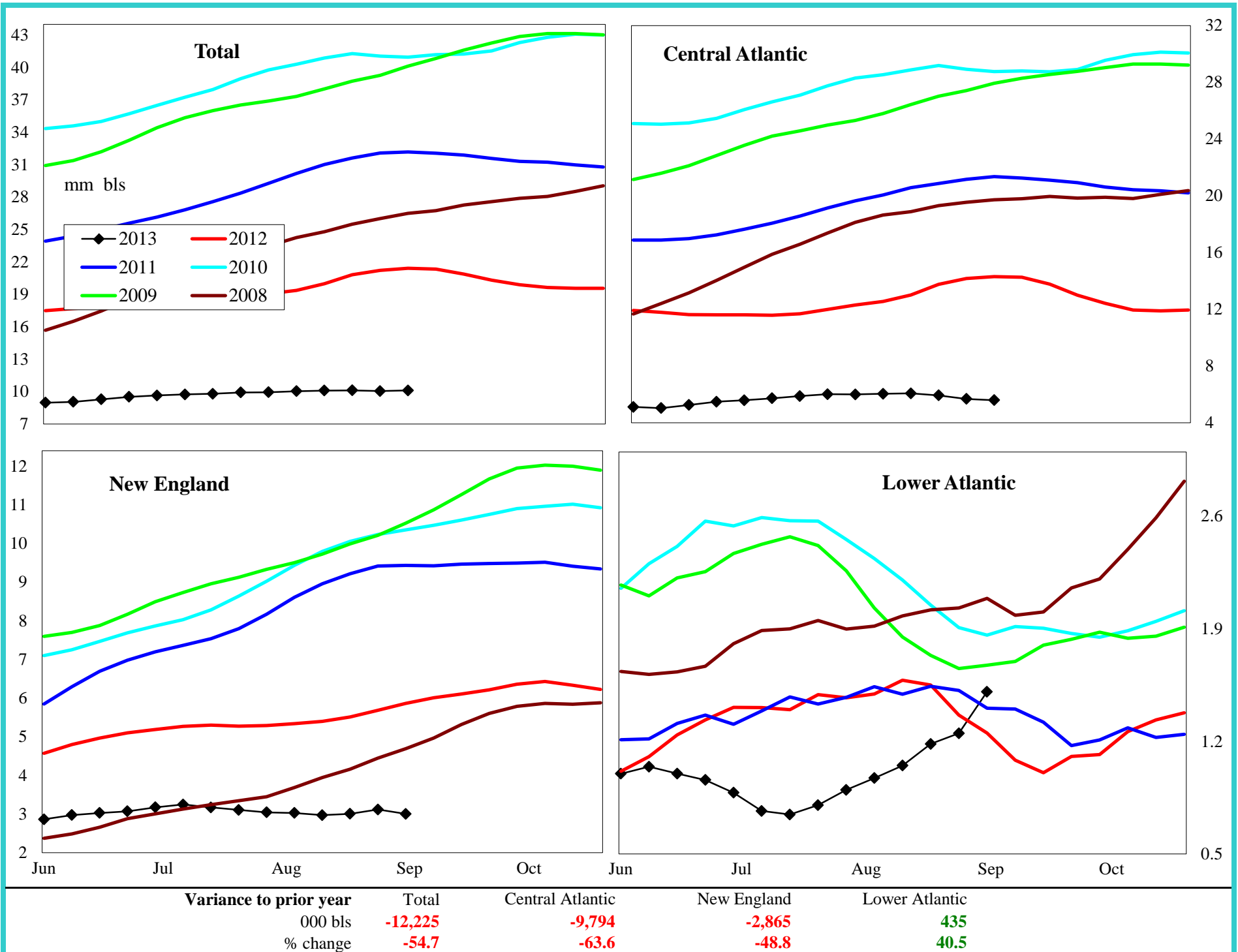
PADD 1 Low Sulfur Distillate Stocks by Region



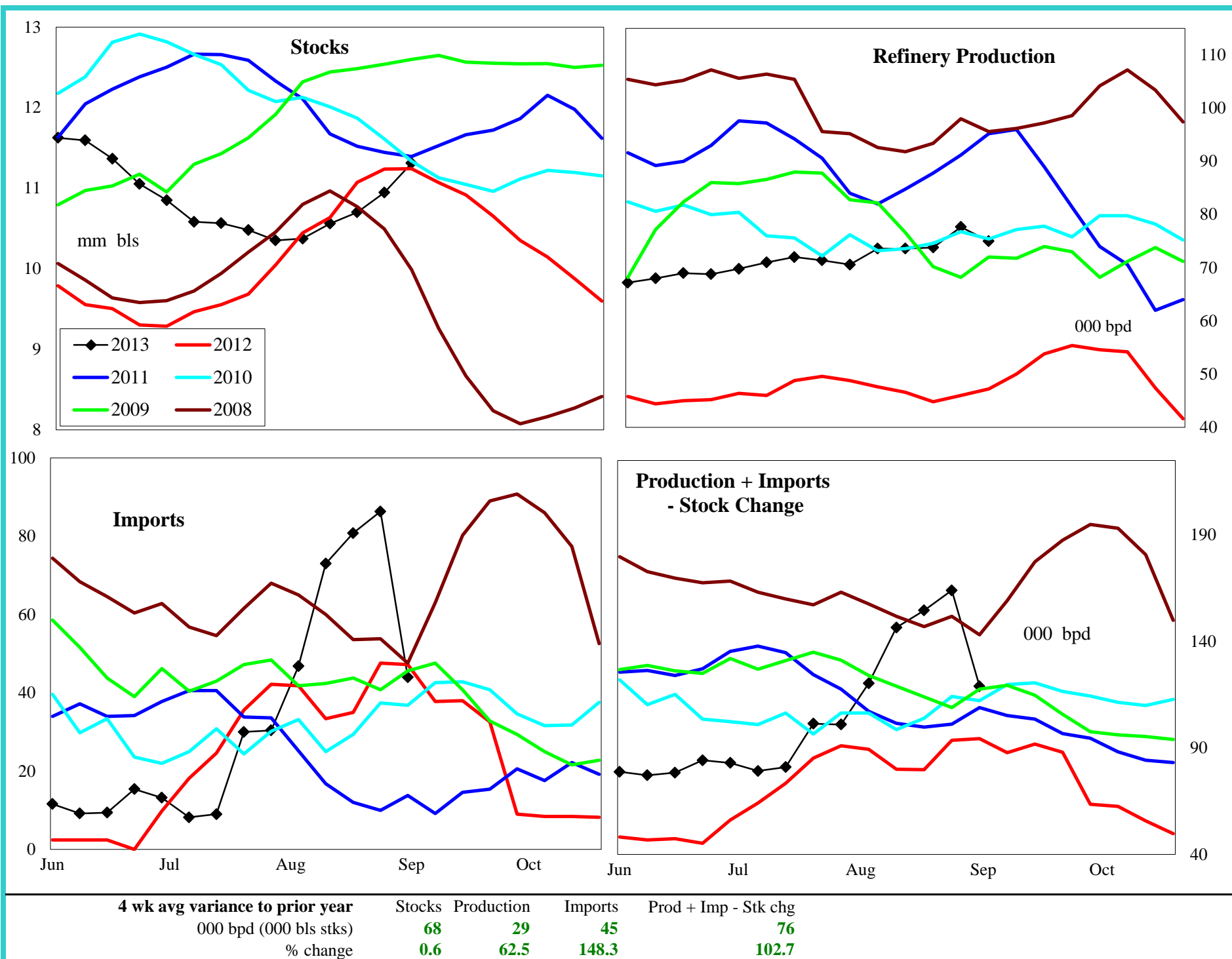
PADD 1 High Sulfur Distillate Supply



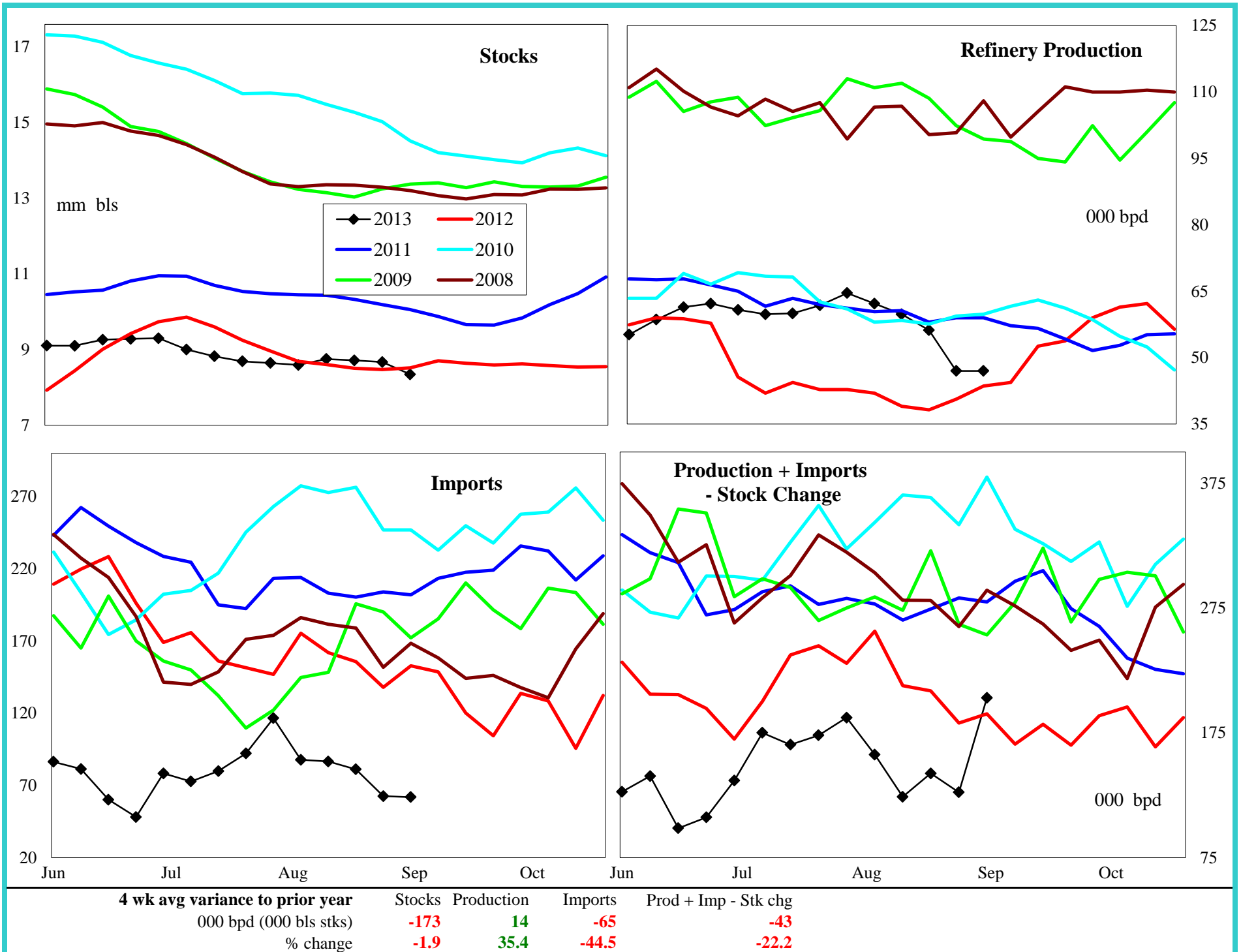
PADD 1 High Sulfur Distillate Stocks by Region



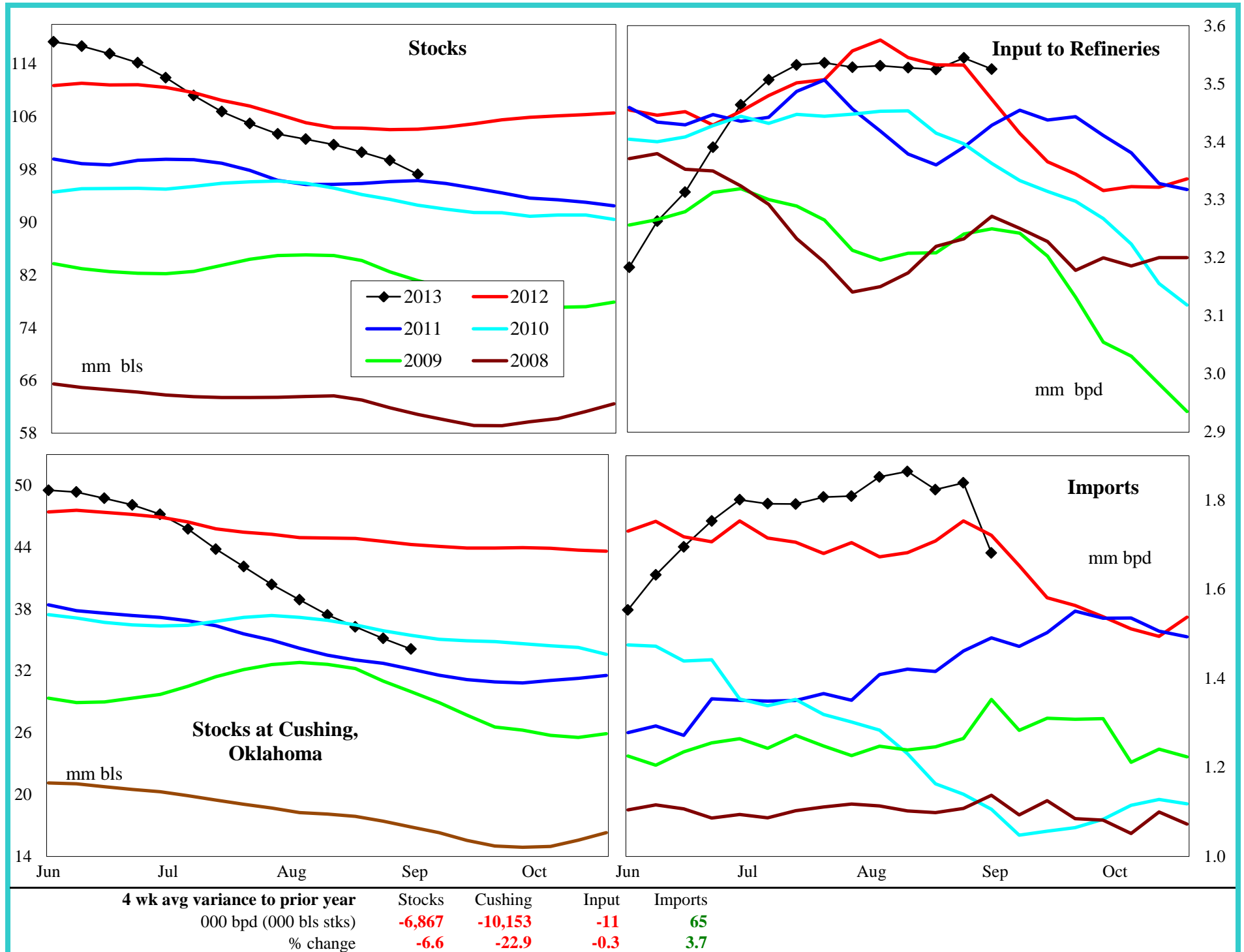
PADD 1 Jet Fuel Supply



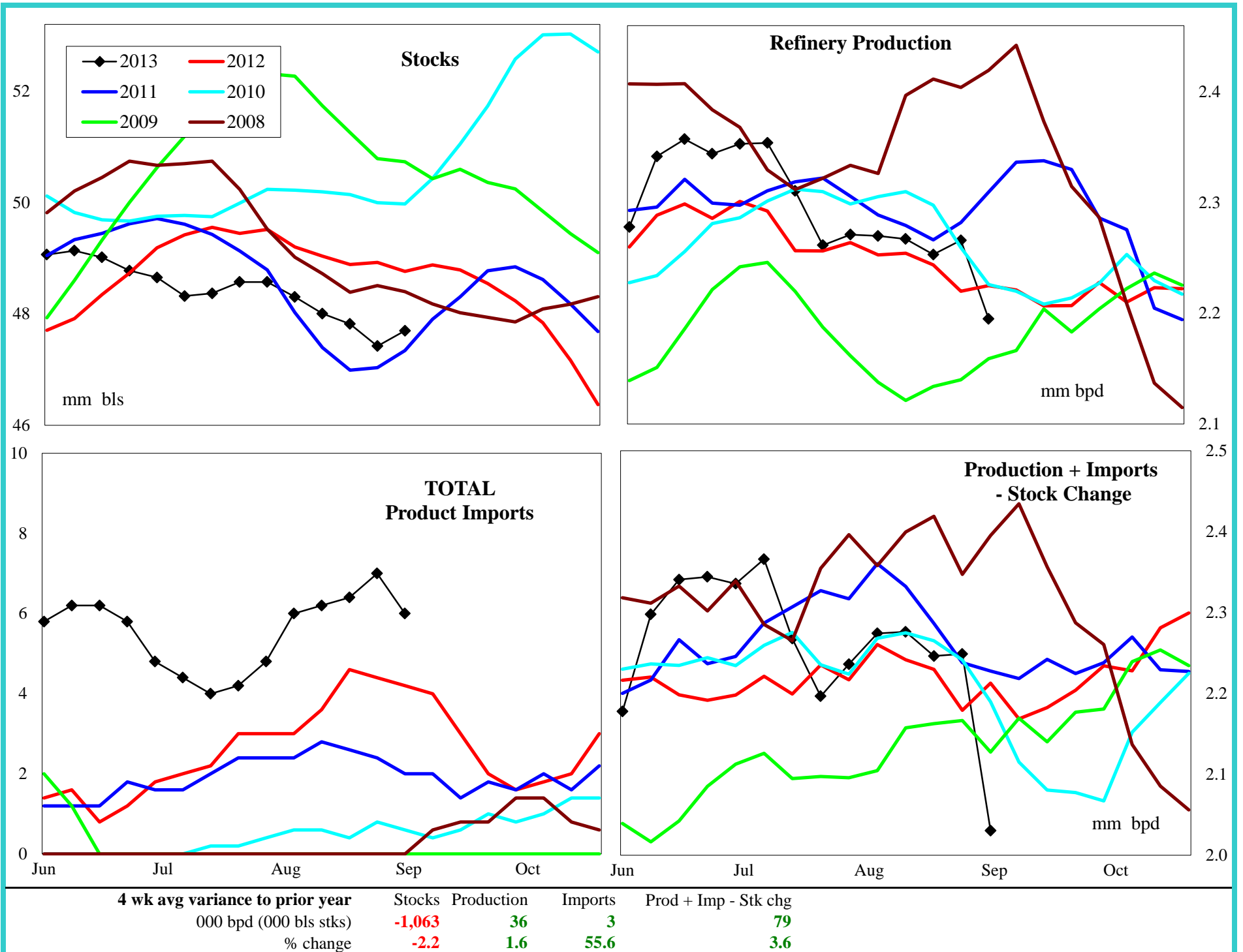
PADD 1 Residual Fuel Oil Supply



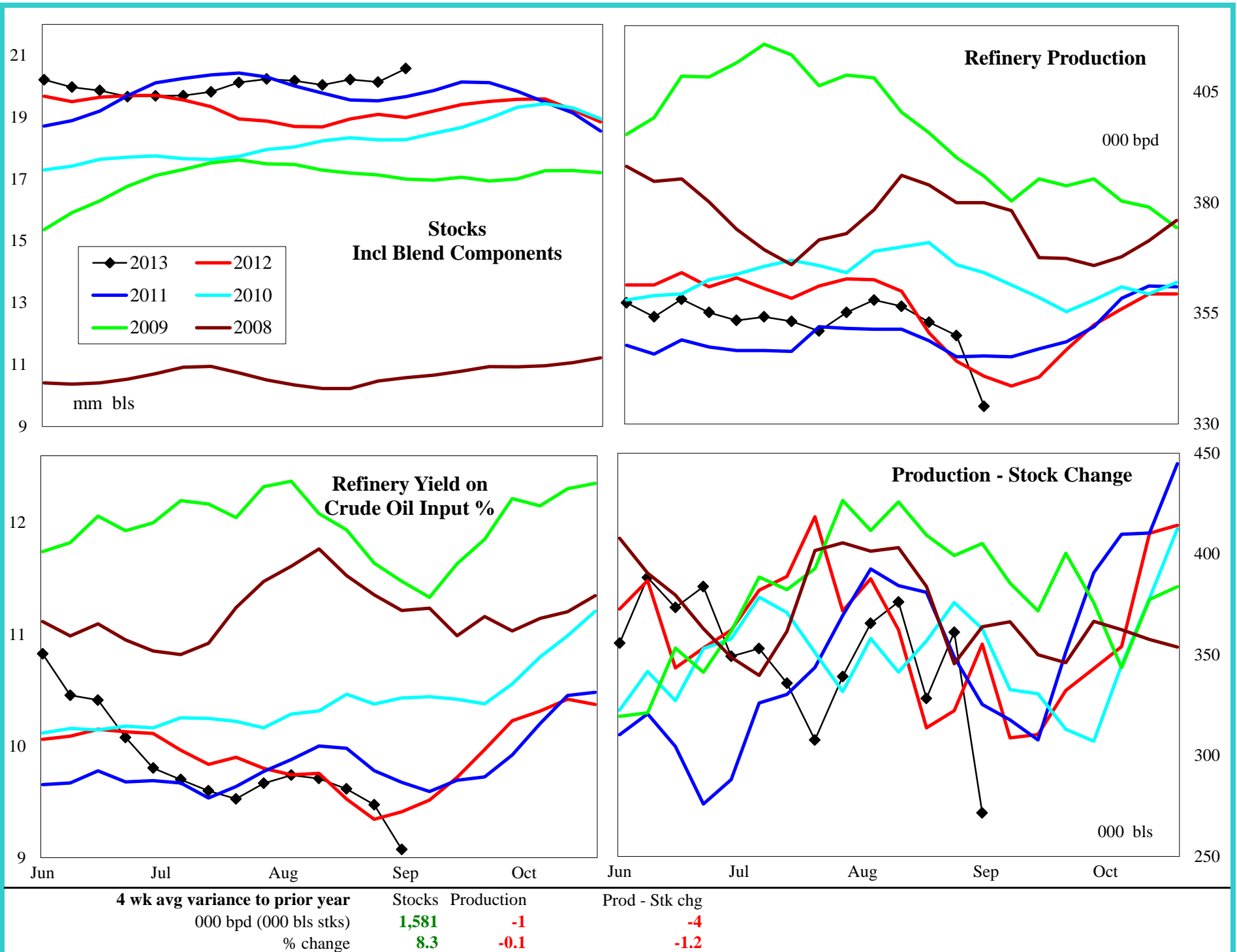
PADD 2 Crude Oil Supply and Refining



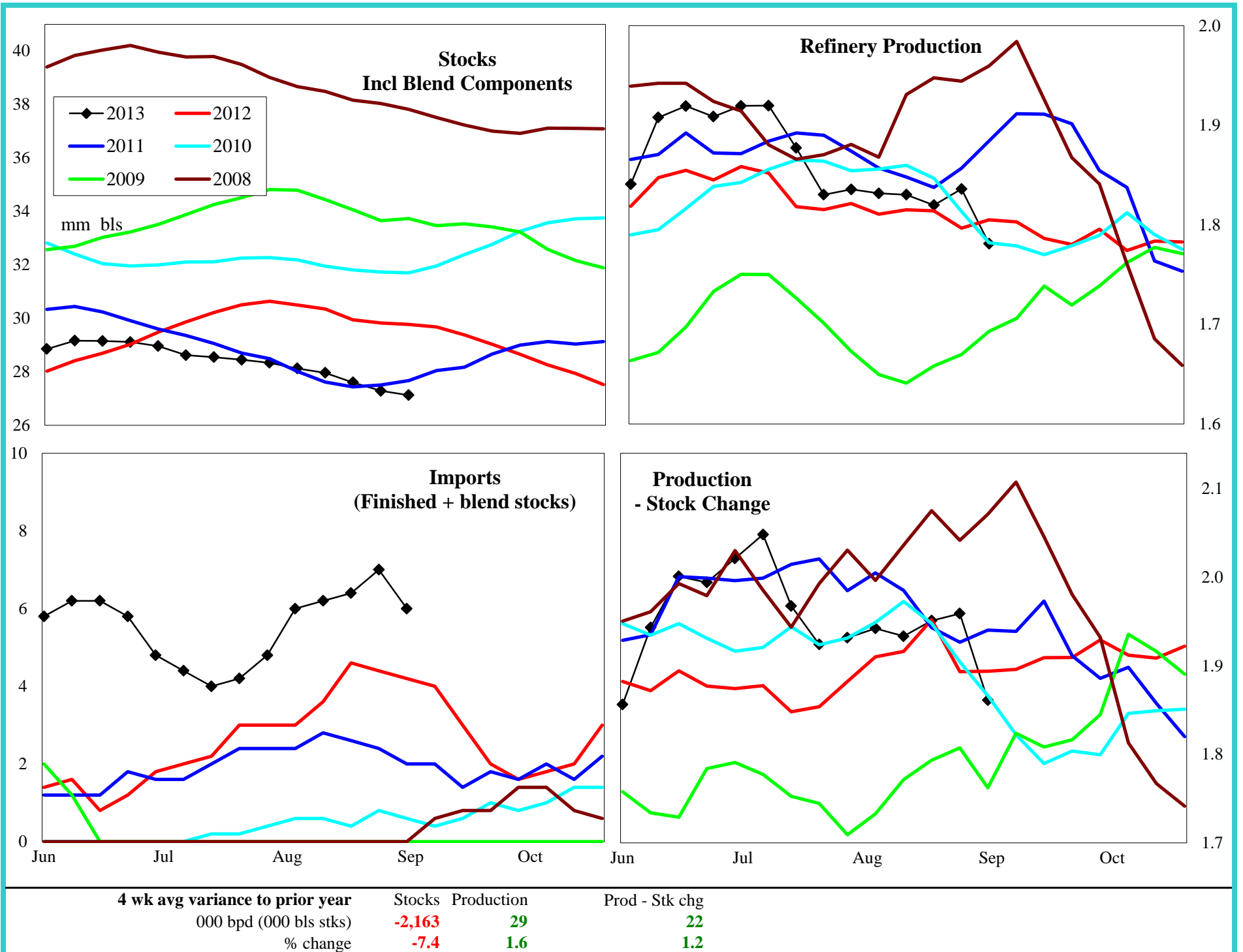
PADD 2 Gasoline Supply



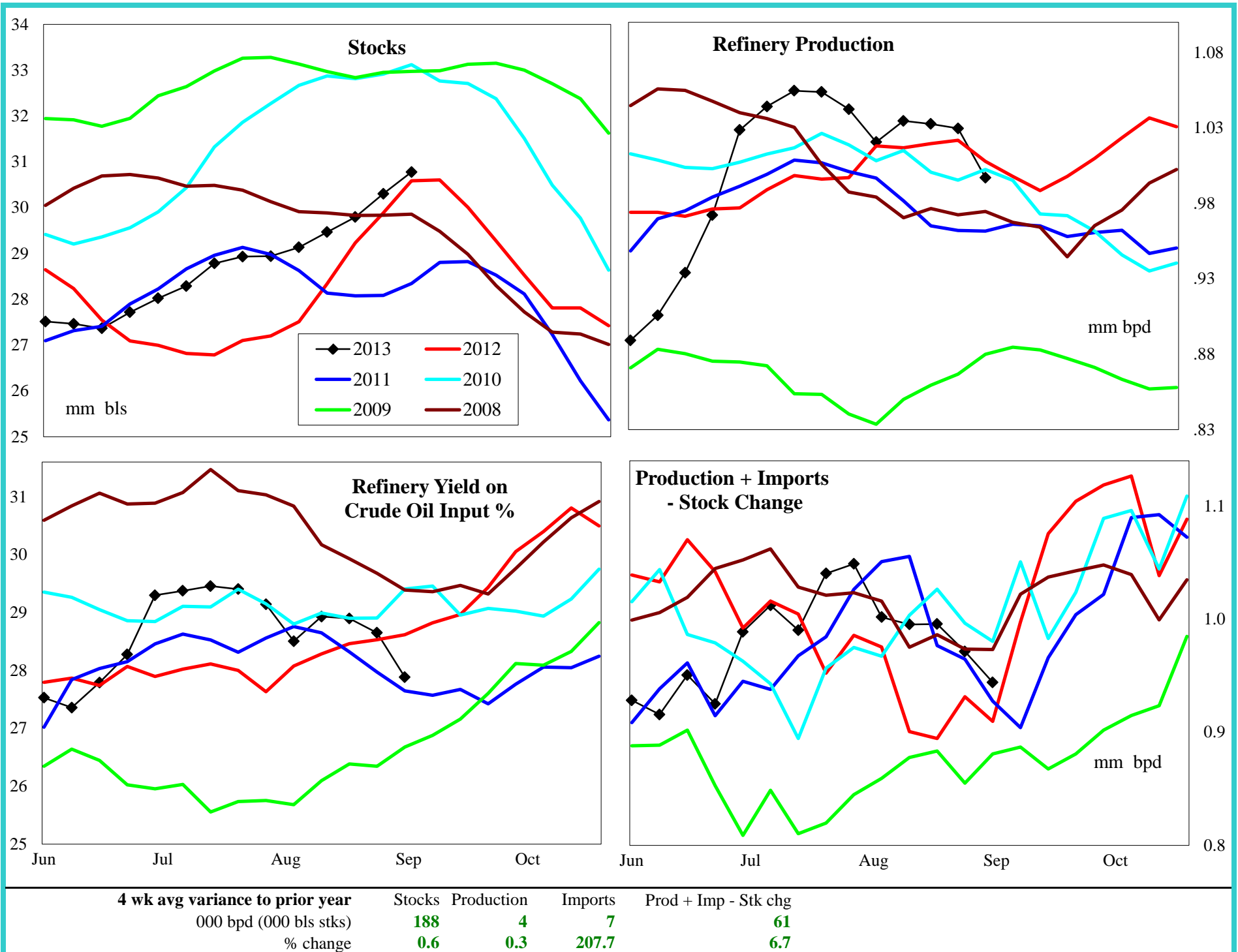
PADD 2 Reformulated Gasoline Supply



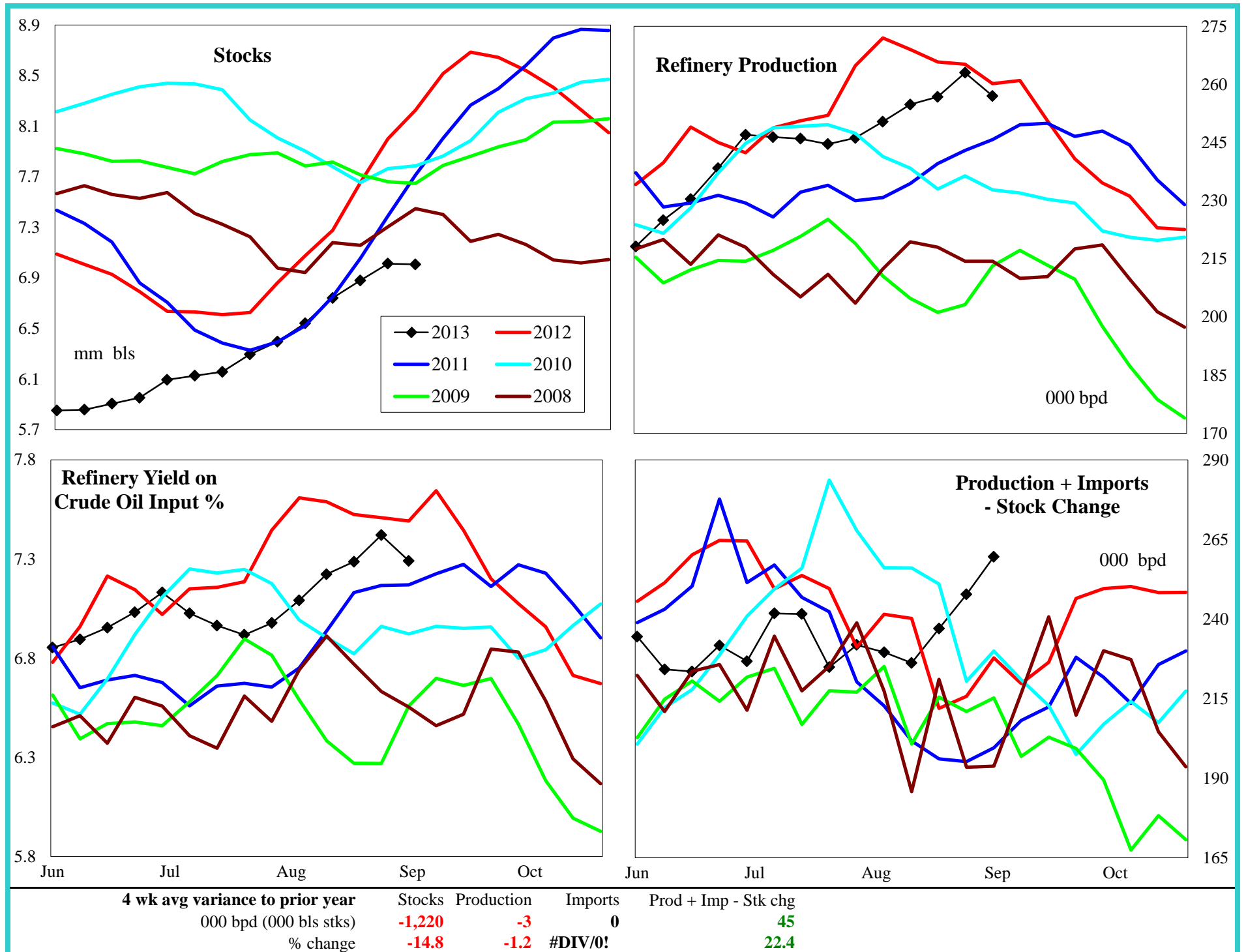
PADD 2 Conventional Gasoline Supply



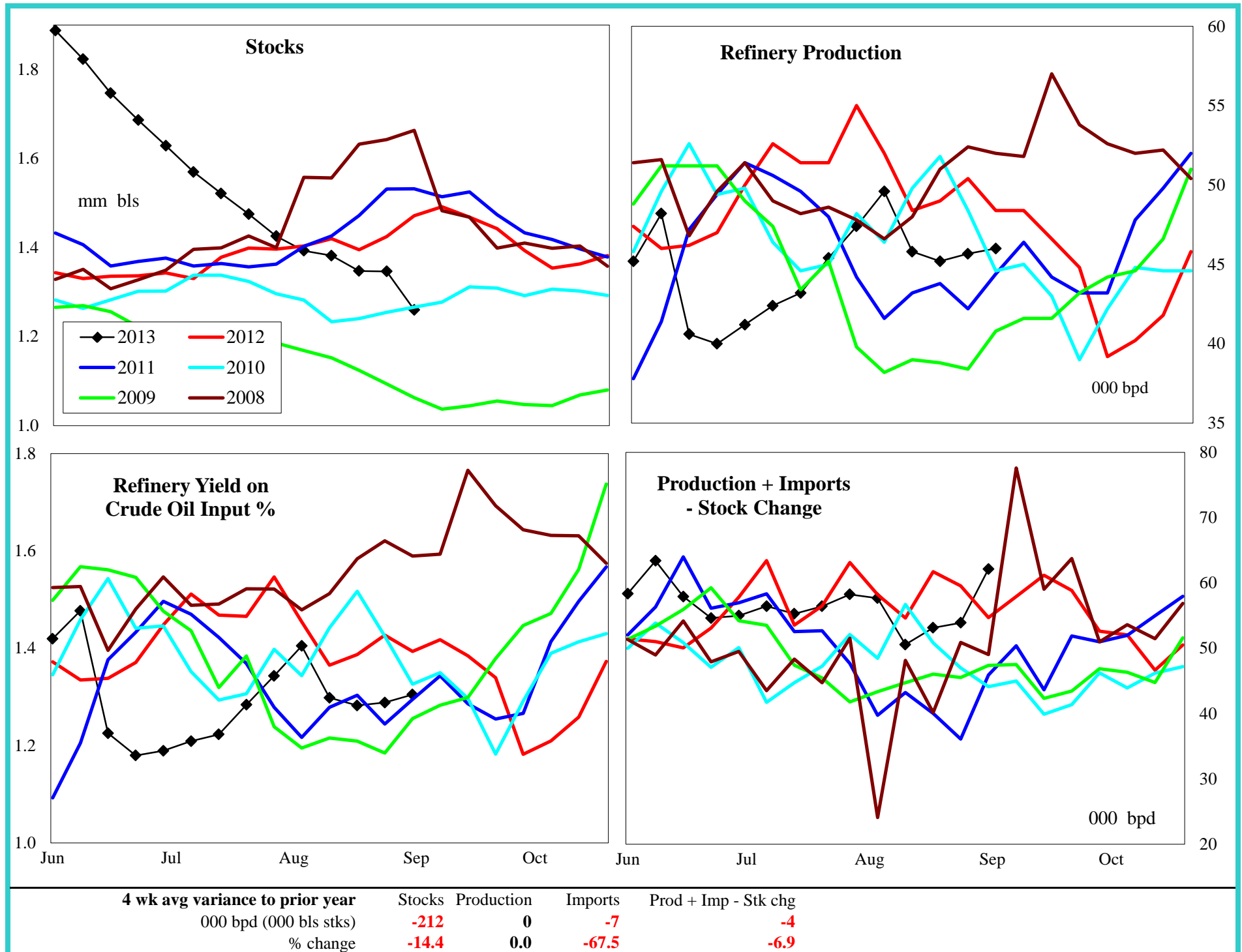
PADD 2 Distillate Supply



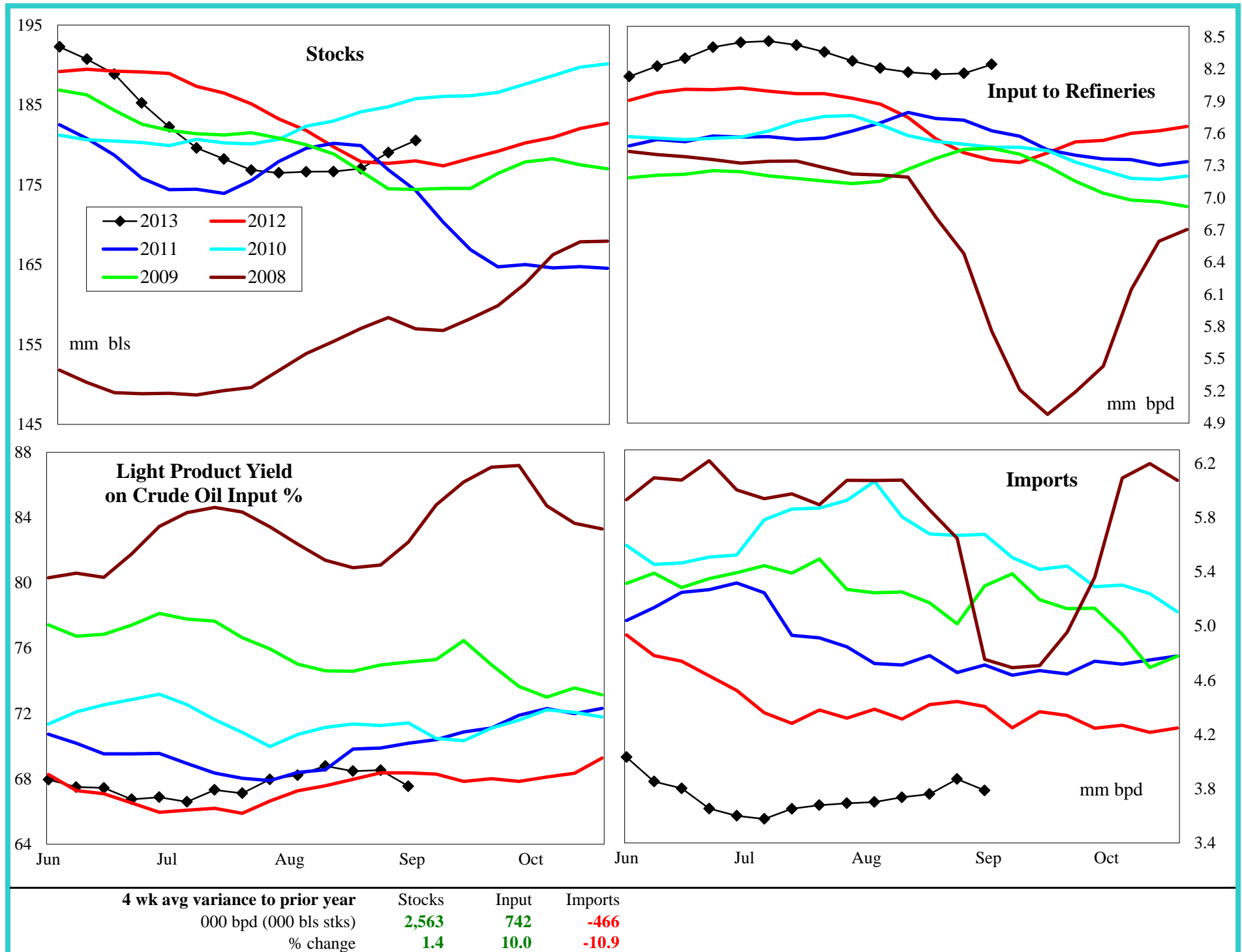
PADD 2 Jet Fuel Supply



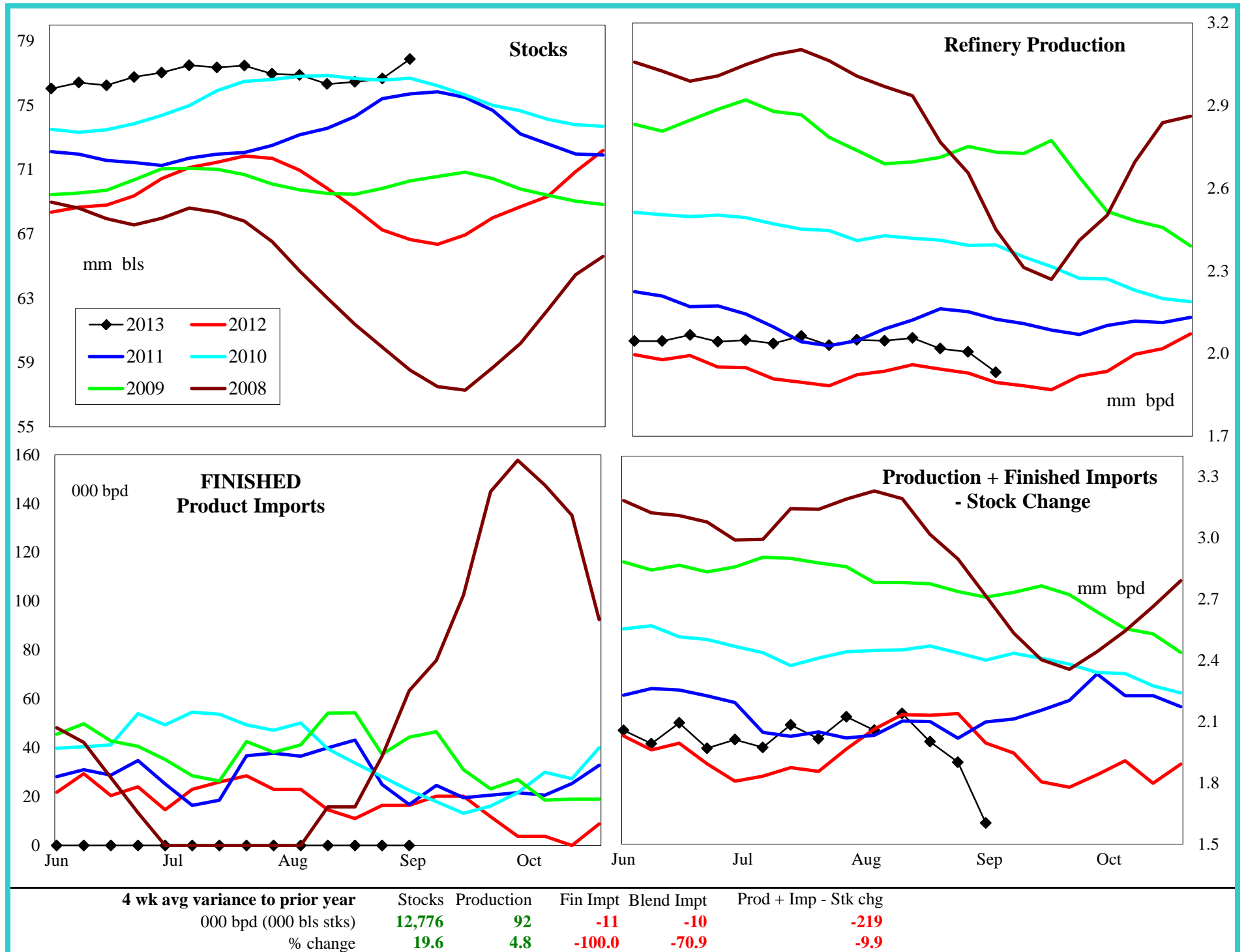
PADD 2 Residual Fuel Oil Supply



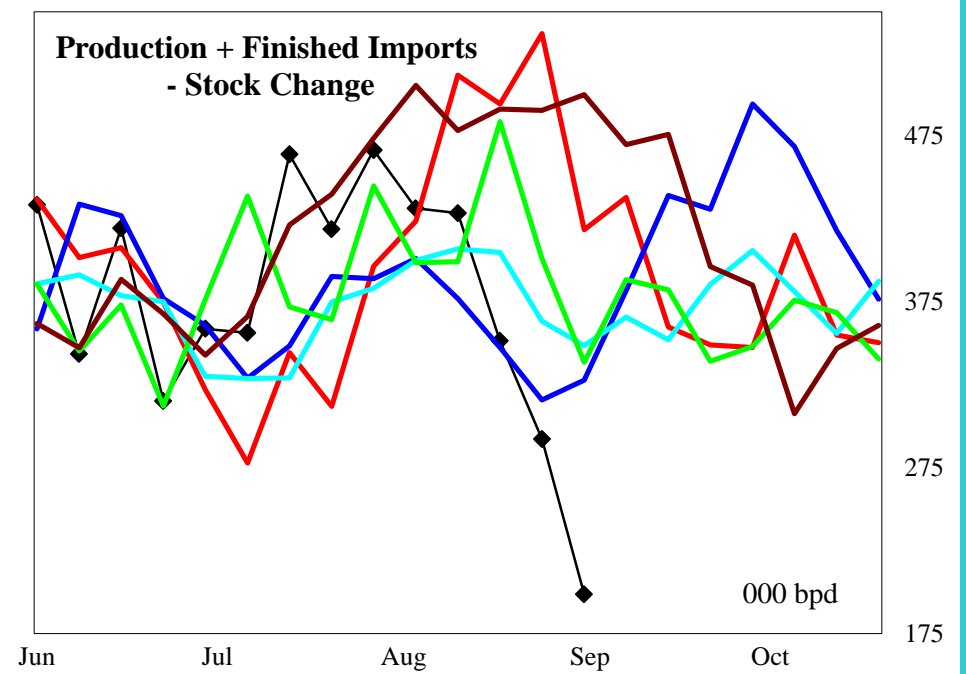
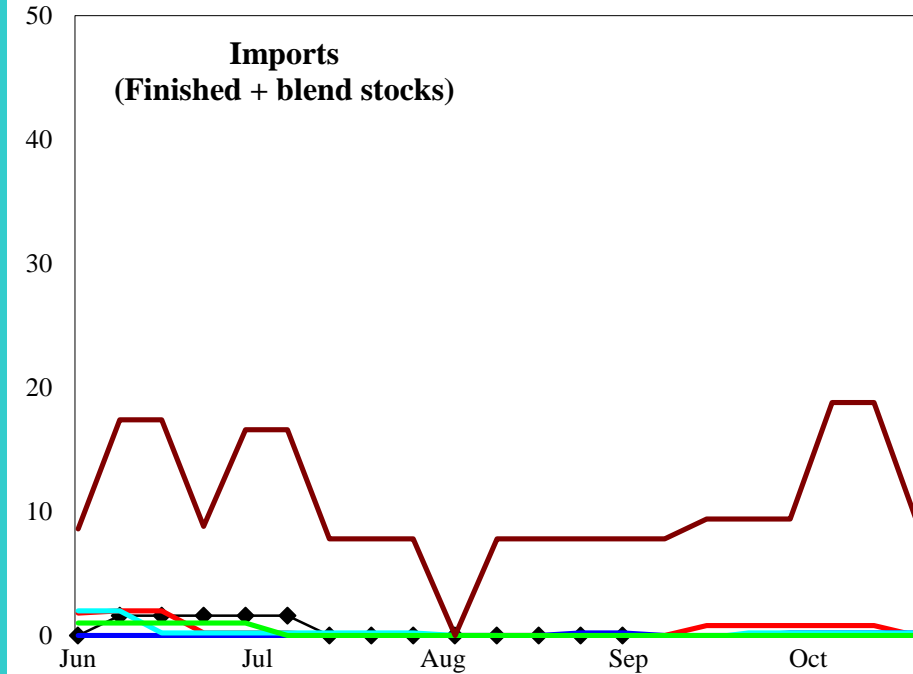
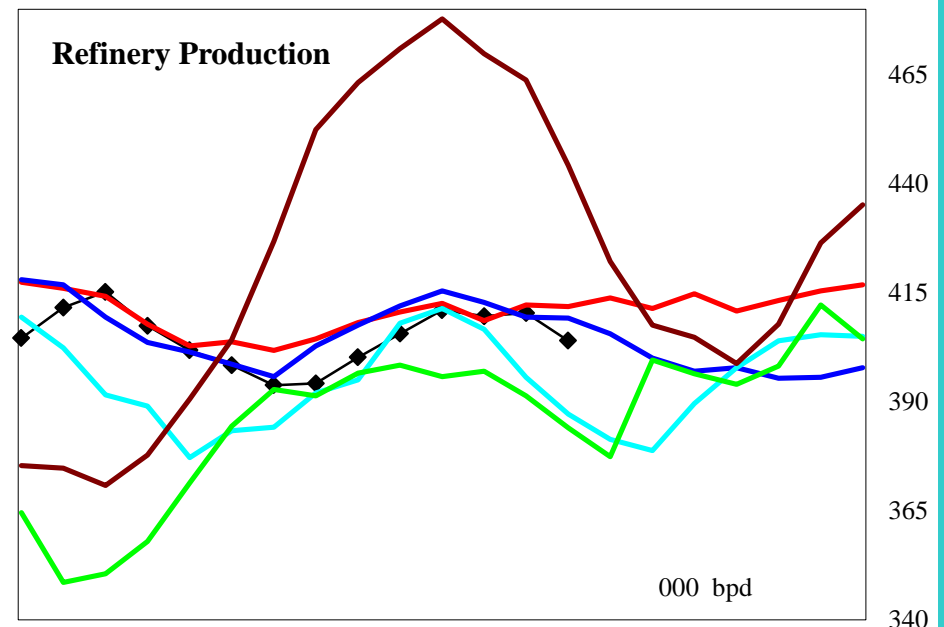
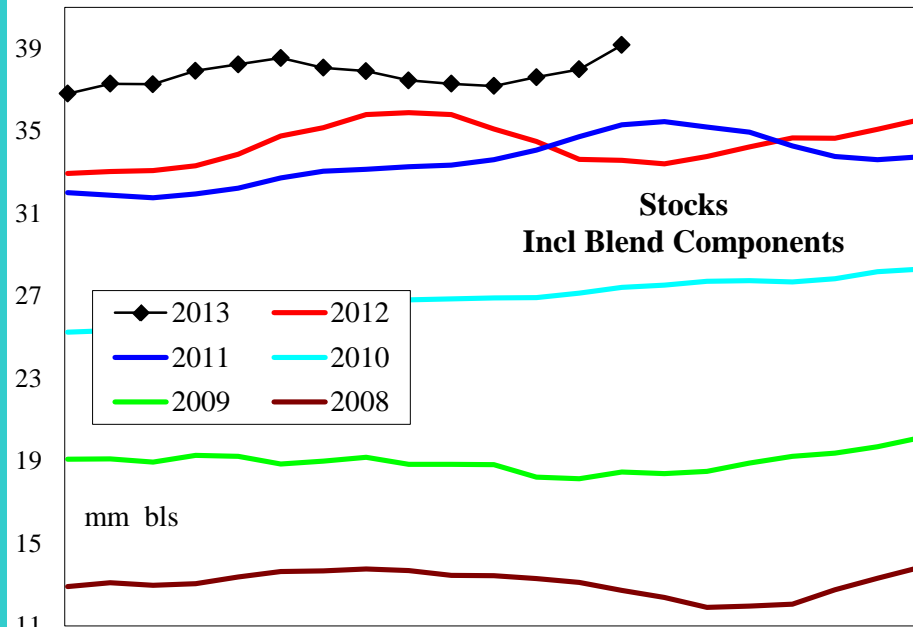
PADD 3 Crude Oil Supply and Refining



PADD 3 Gasoline Supply



PADD 3 Reformulated Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

6,732

3

0

-211

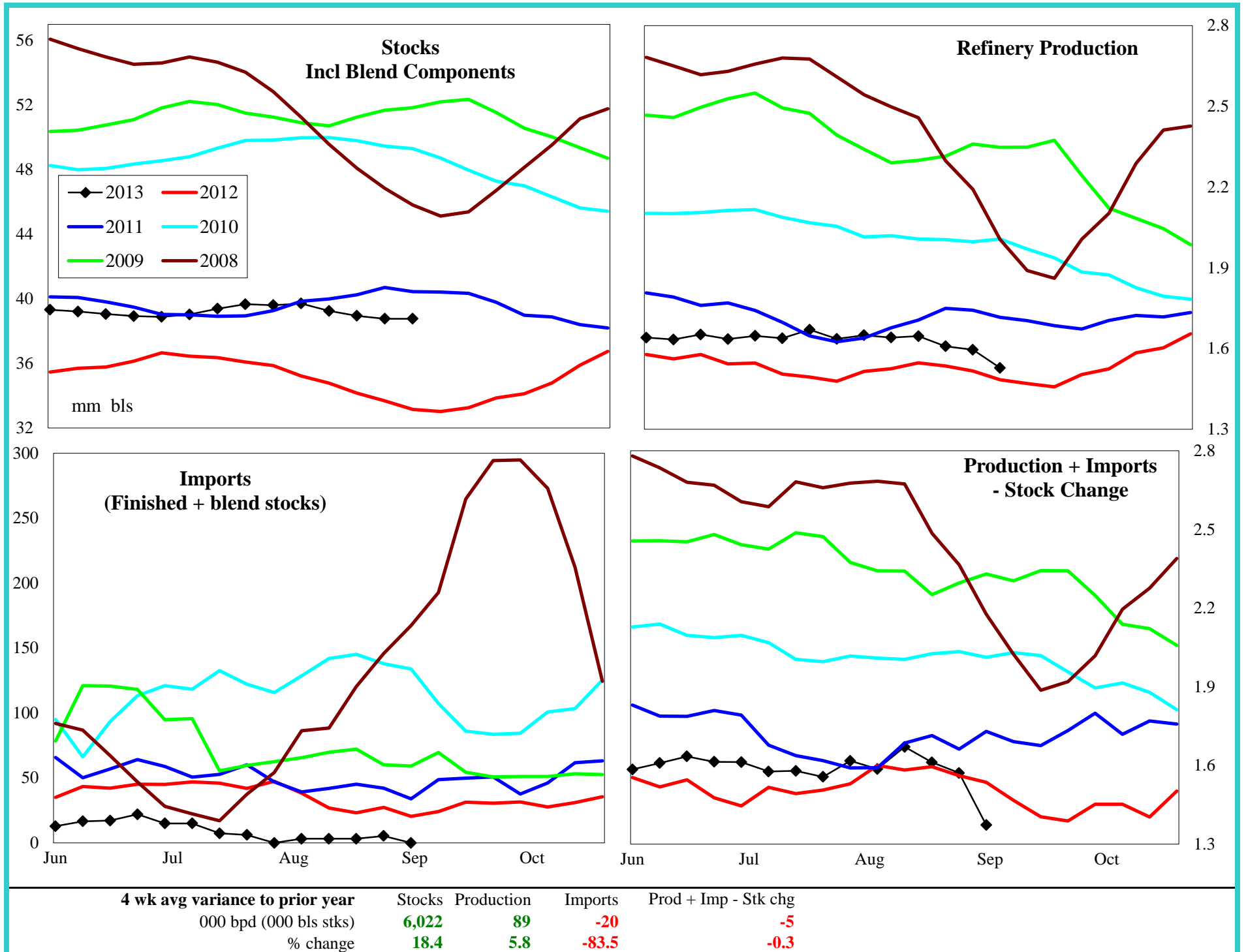
20.8

0.7

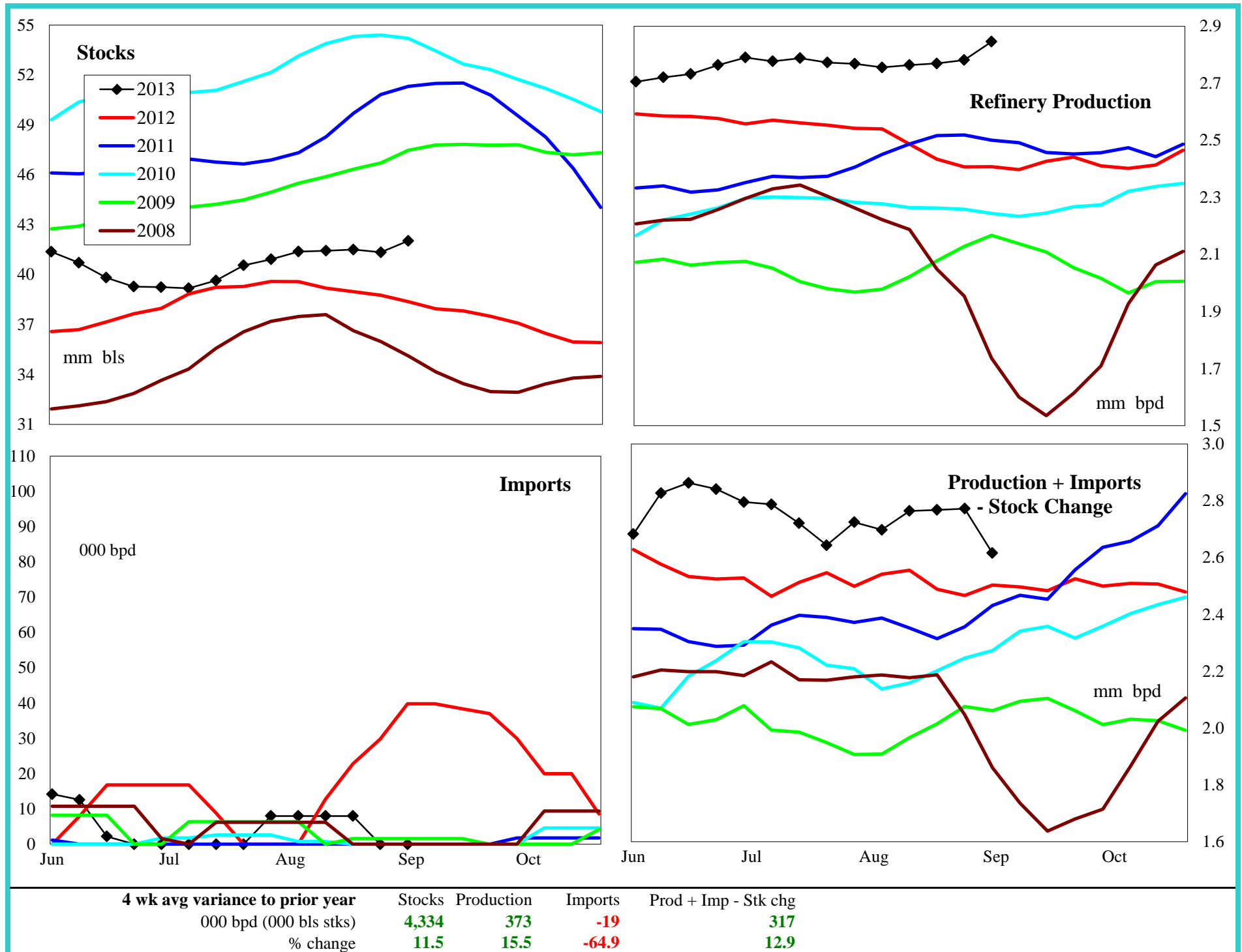
#DIV/0!

-37.6

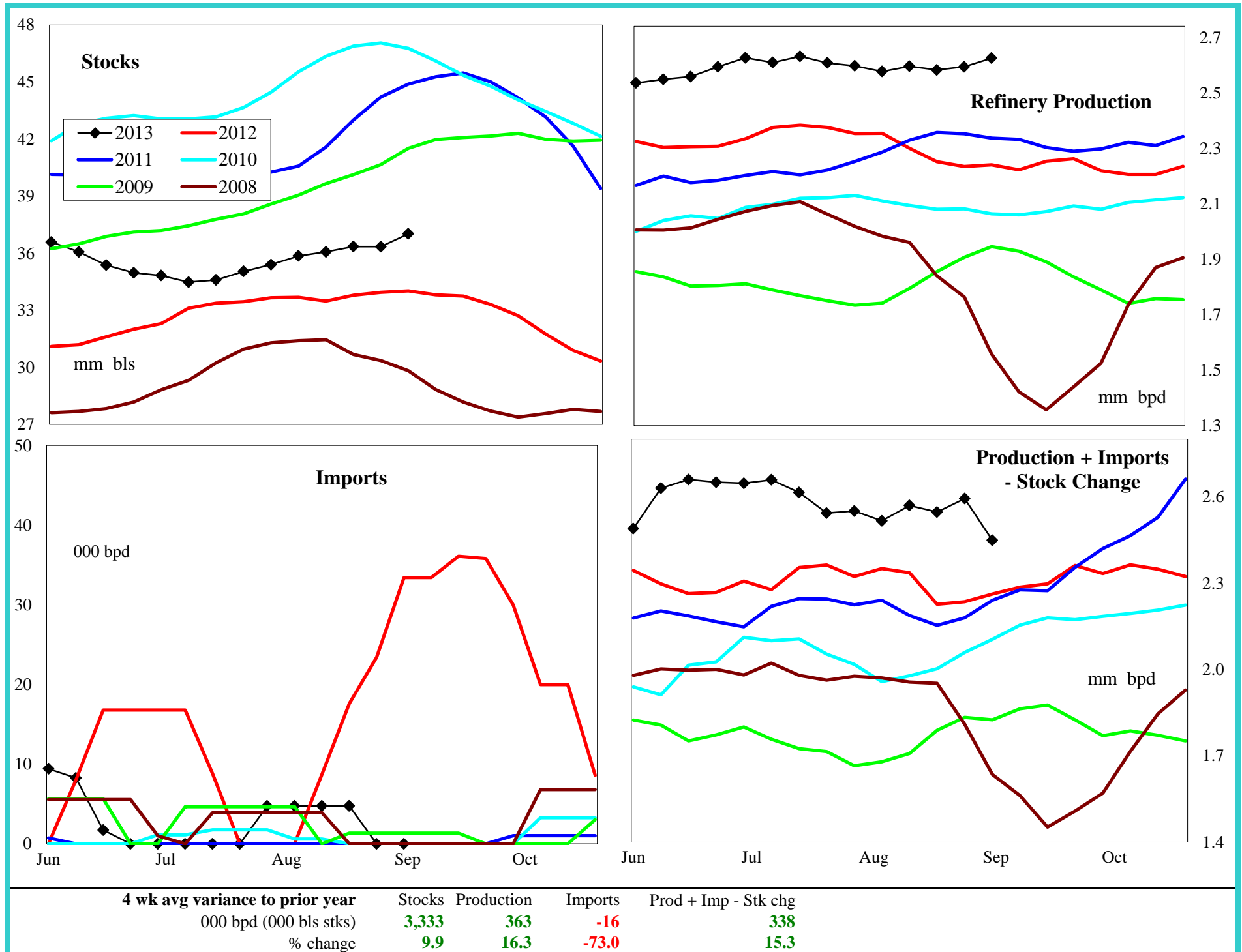
PADD 3 Conventional Gasoline Supply



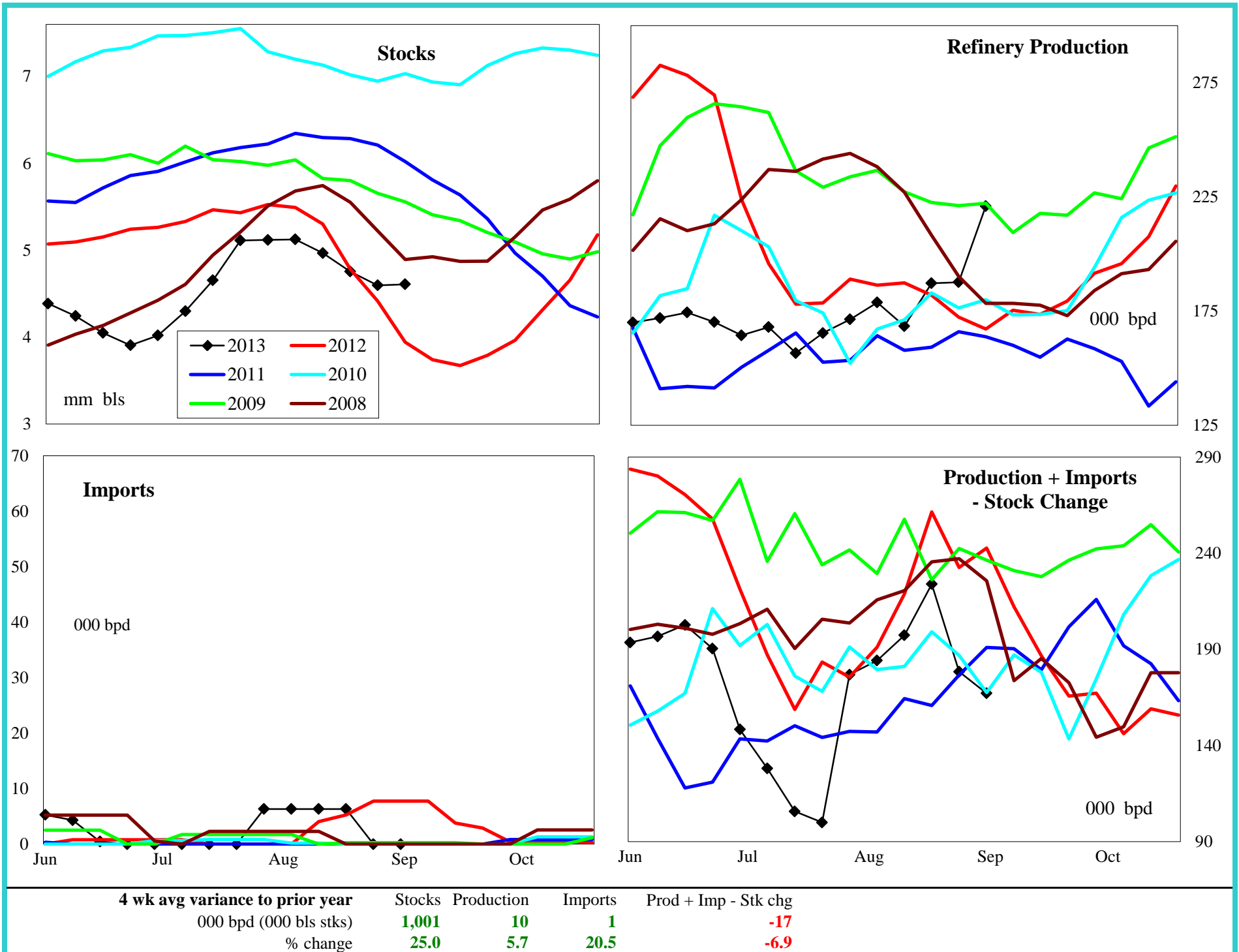
PADD 3 Distillate Supply



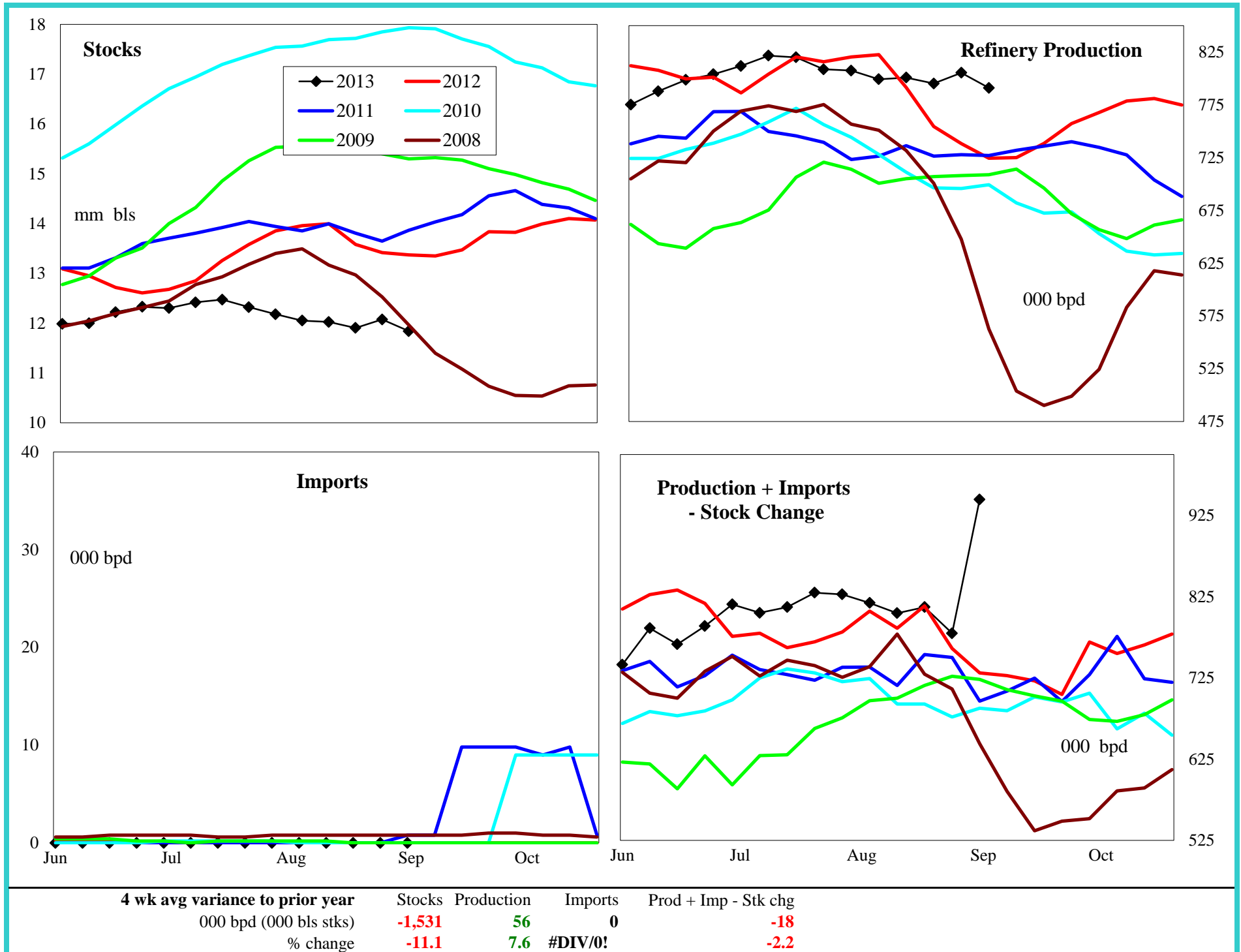
PADD 3 Low Sulfur Distillate Supply



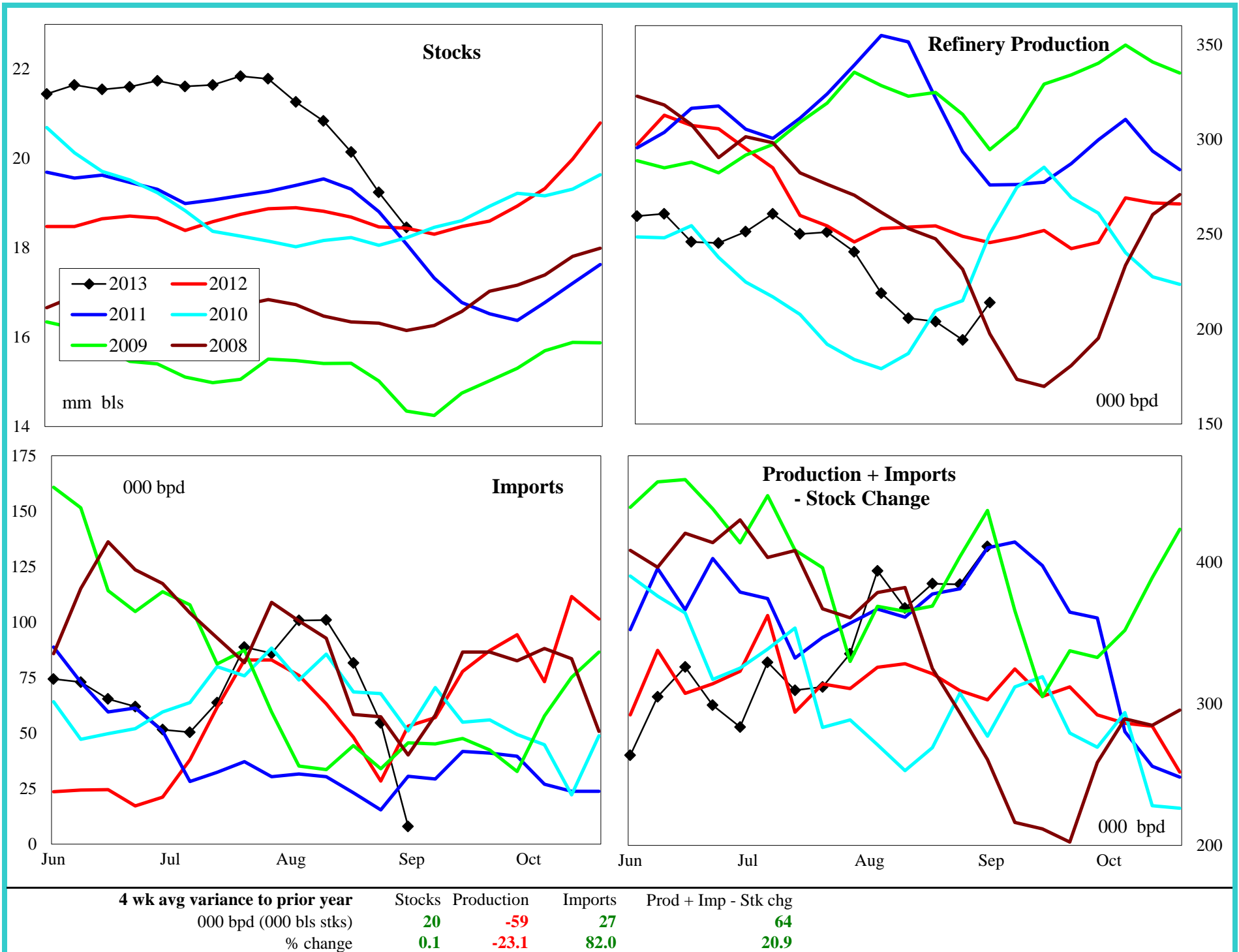
PADD 3 High Sulfur Distillate Supply



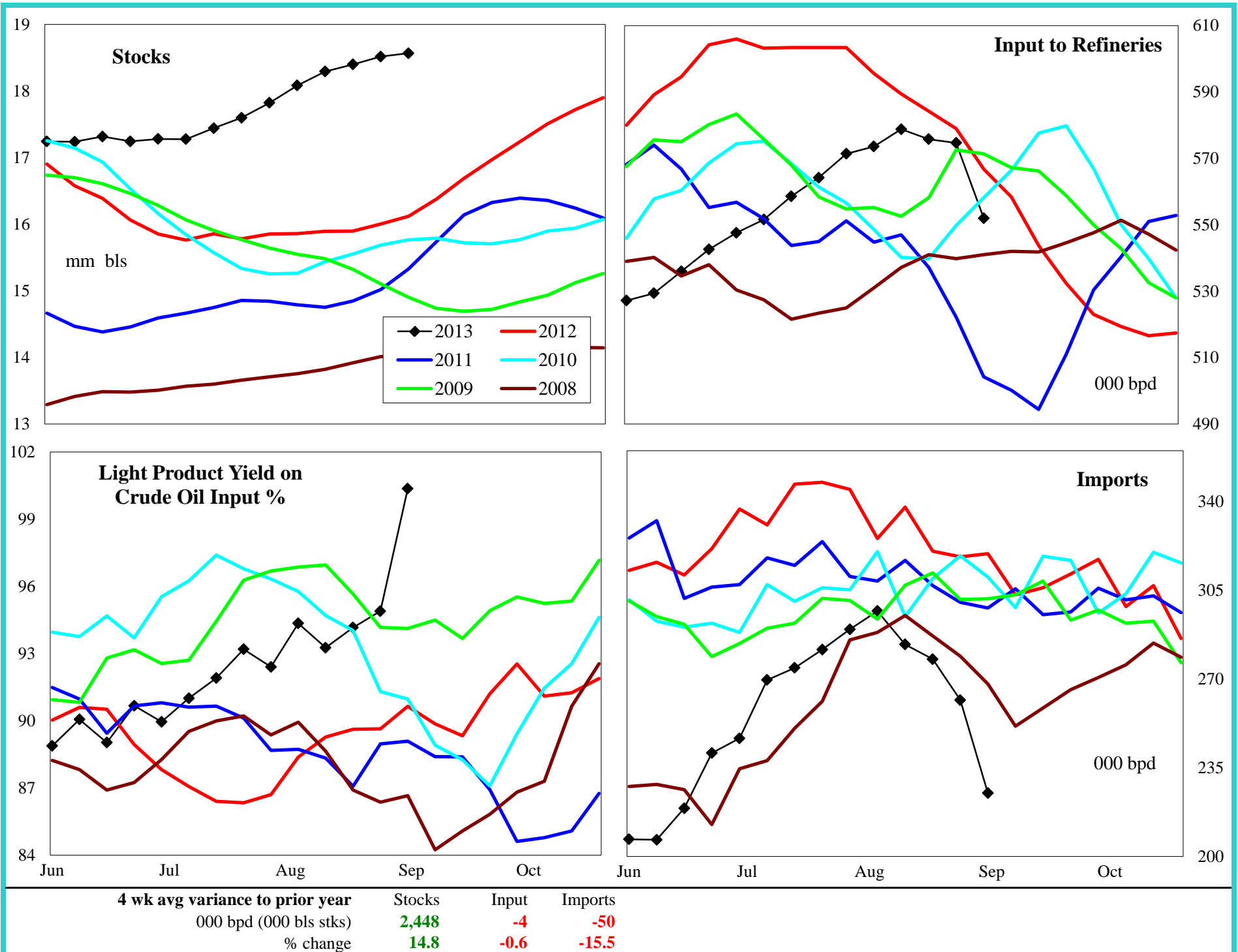
PADD 3 Jet Fuel Supply



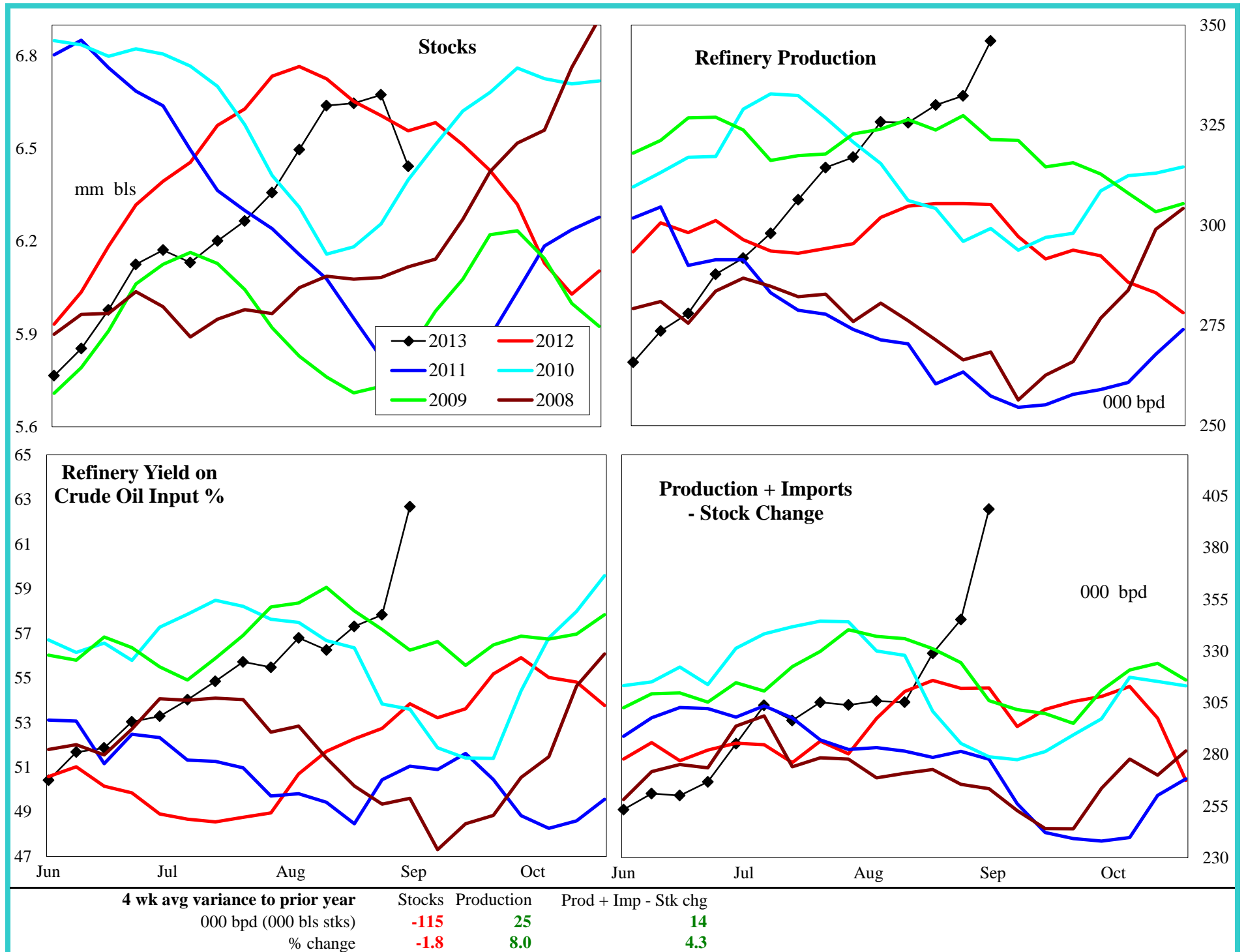
PADD 3 Residual Fuel Oil Supply



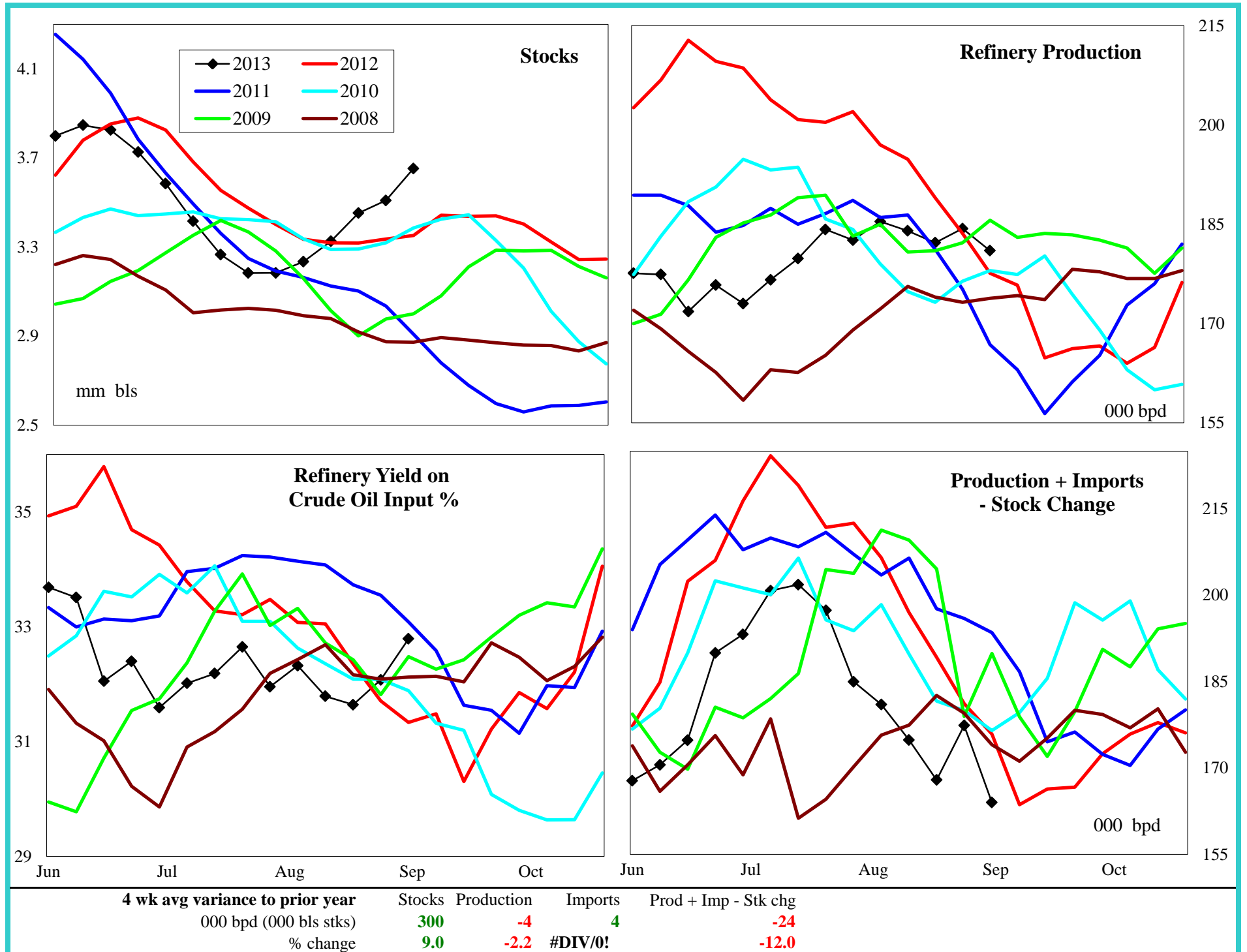
PADD 4 Crude Oil Supply and Refining



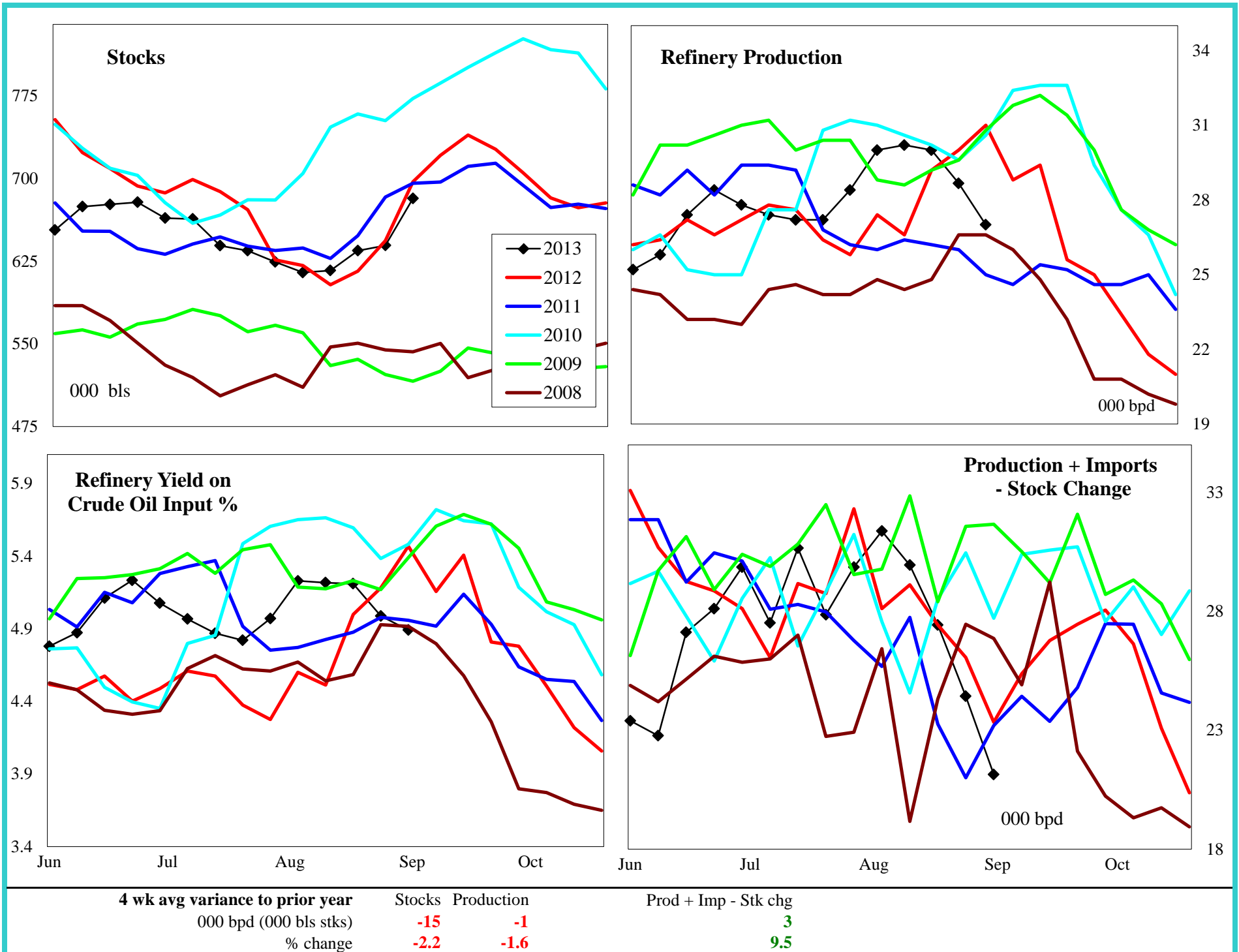
PADD 4 Gasoline Supply



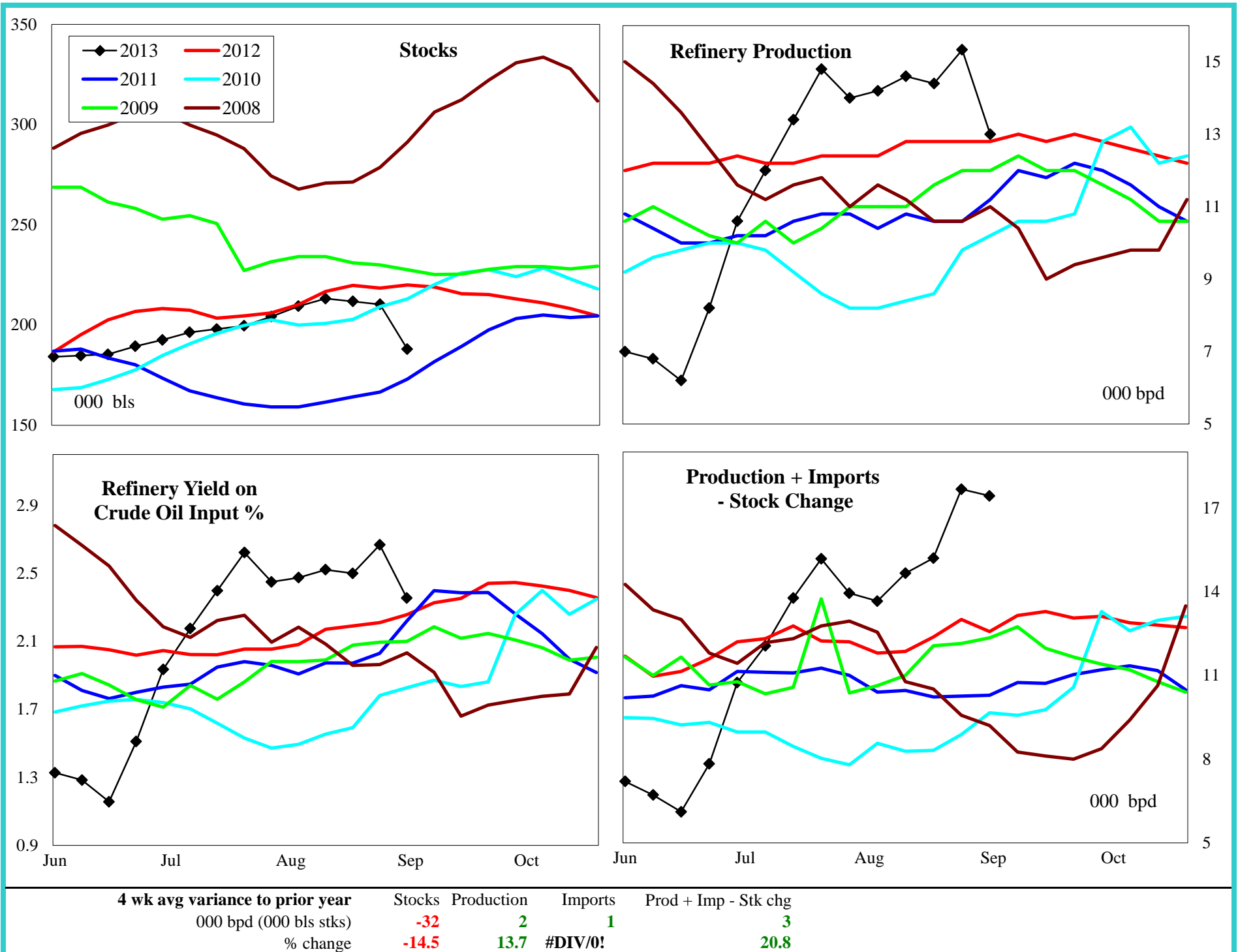
PADD 4 Distillate Supply



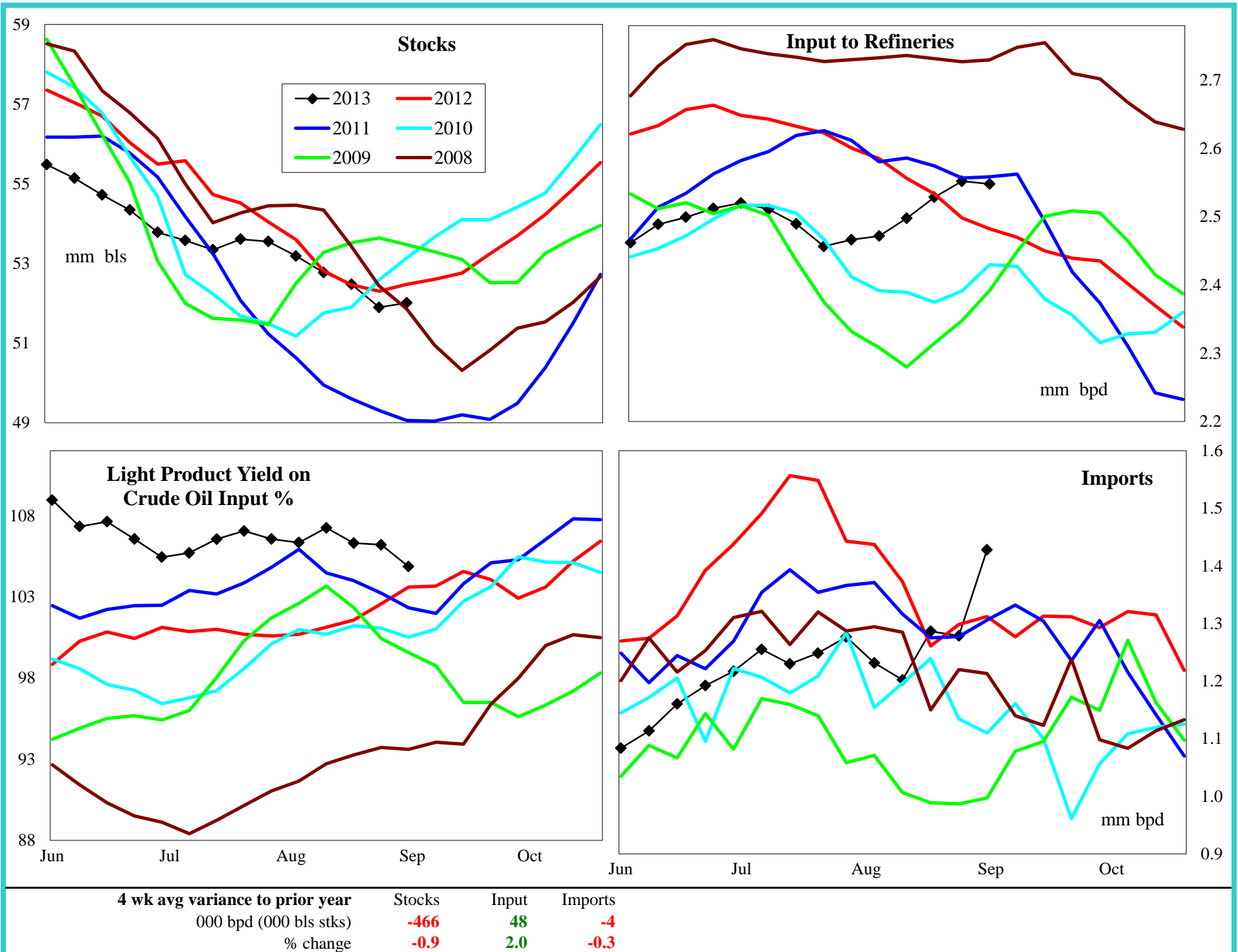
PADD 4 Jet Fuel Supply



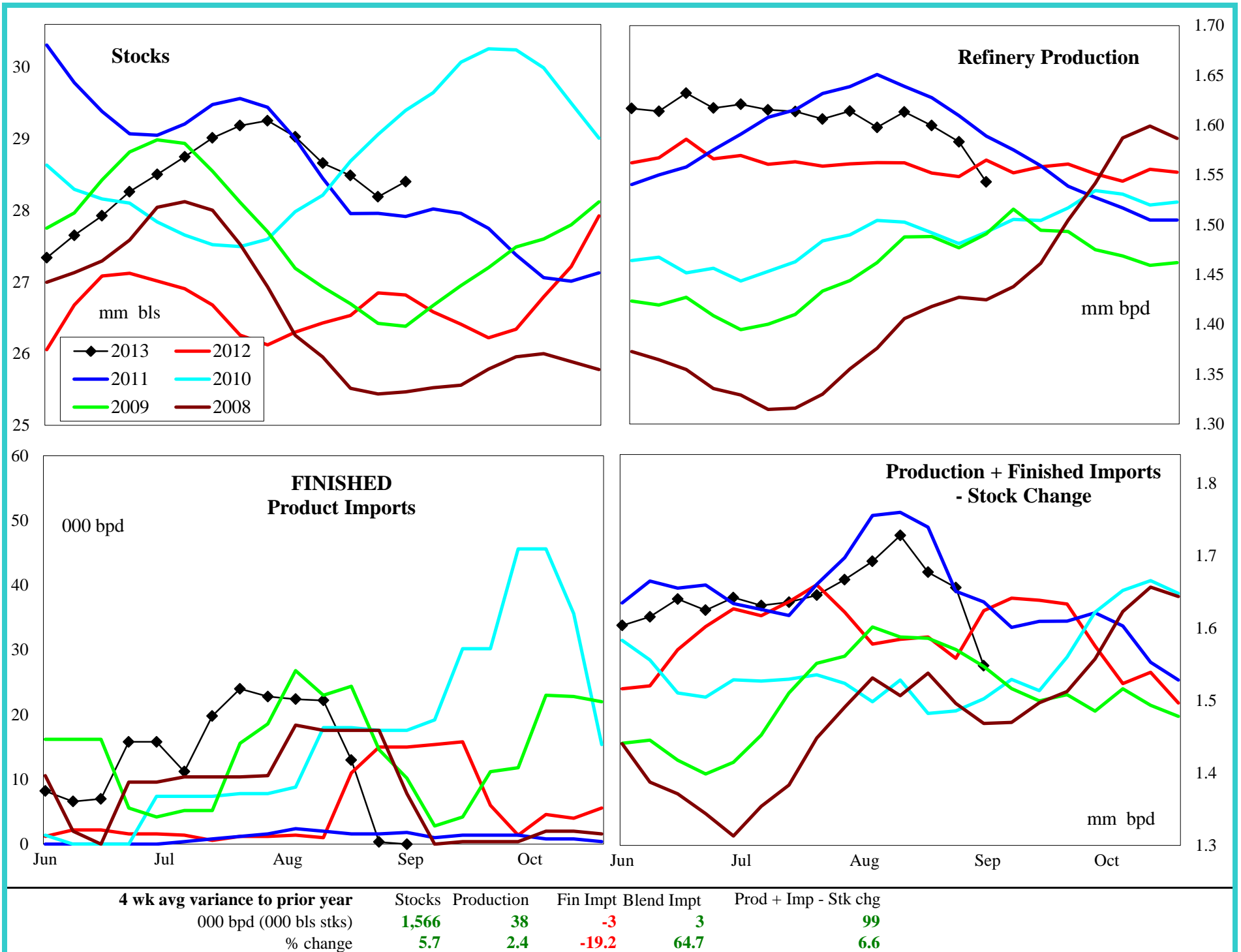
PADD 4 Residual Fuel Oil Supply



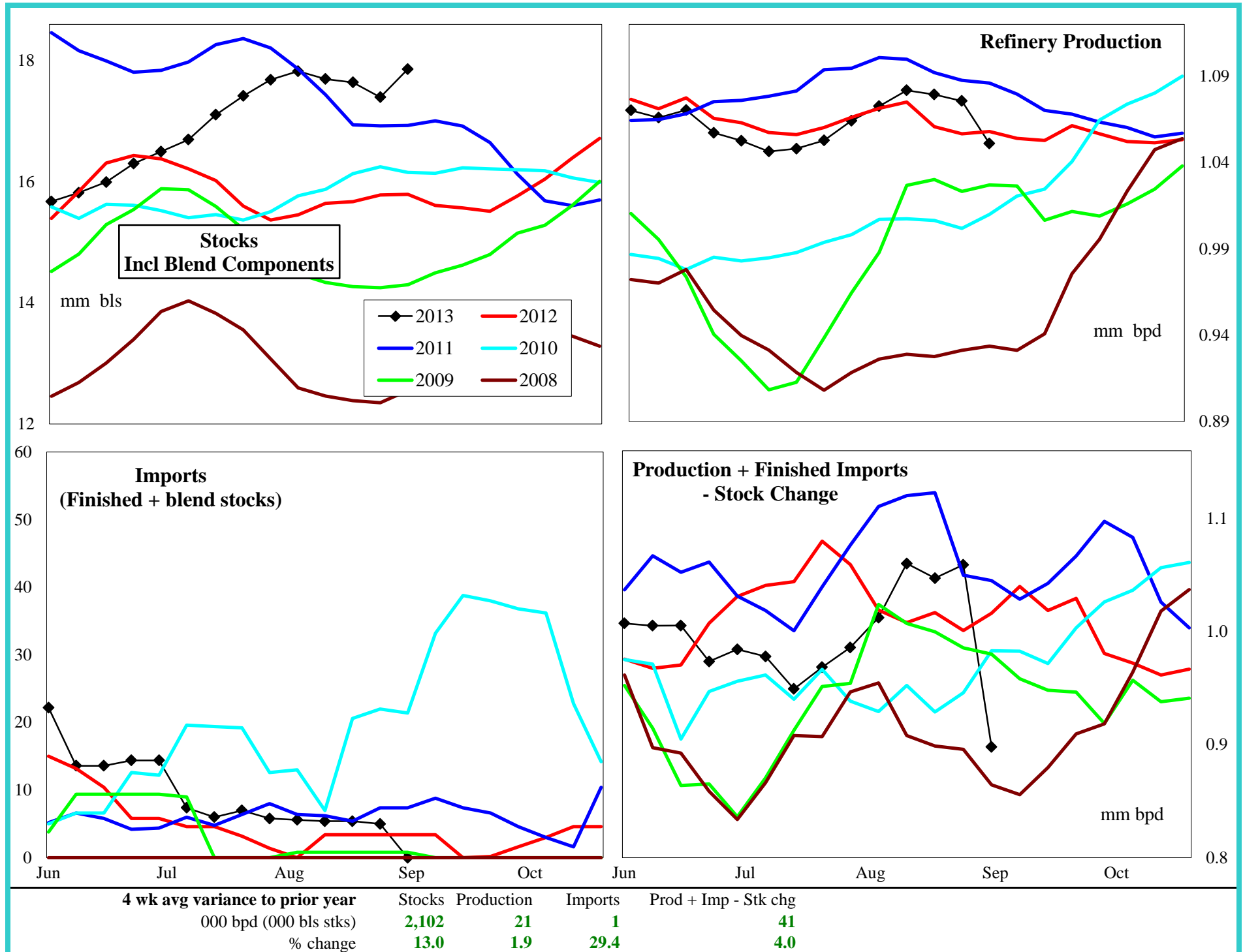
PADD 5 Crude Oil Supply and Refining



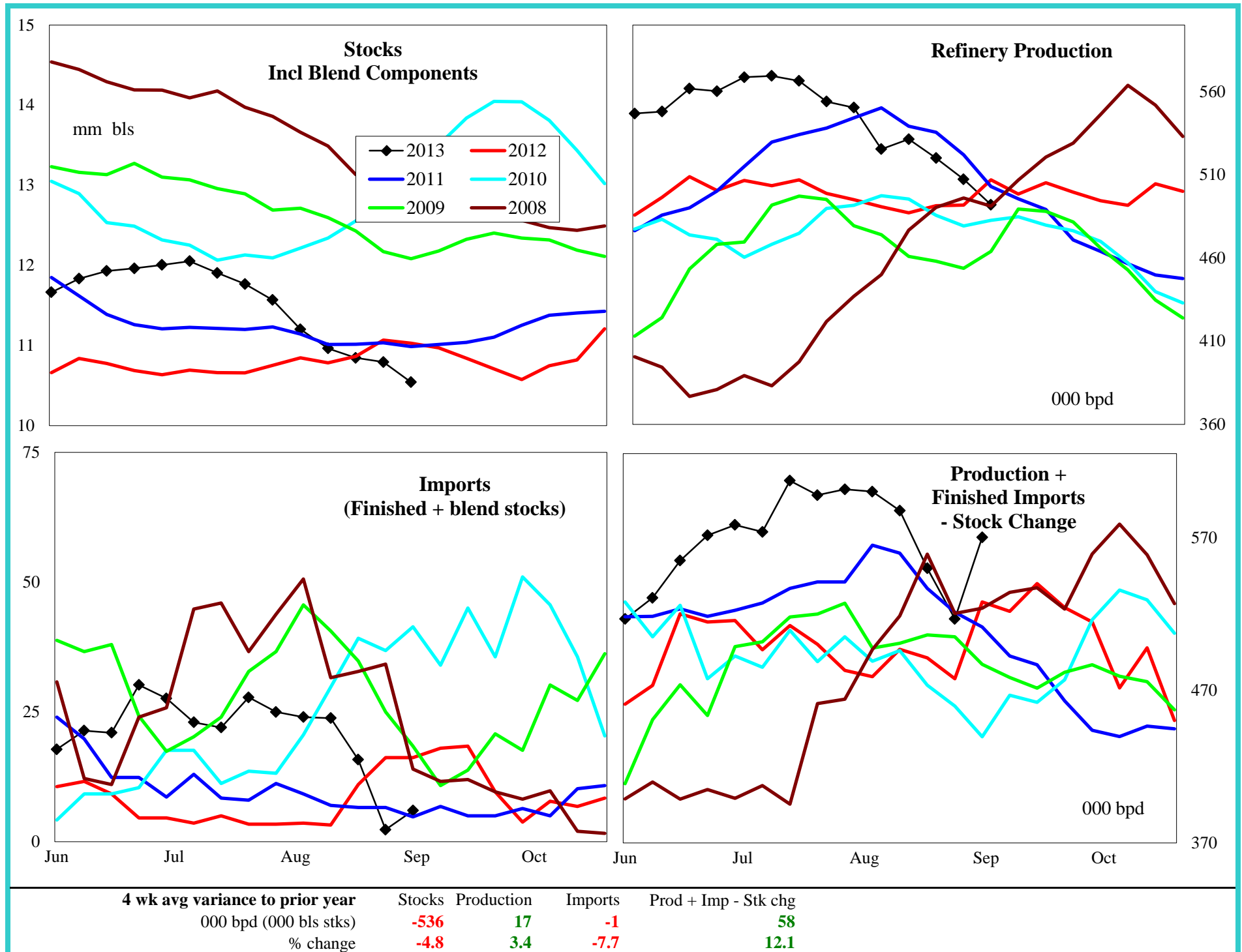
PADD 5 Gasoline Supply



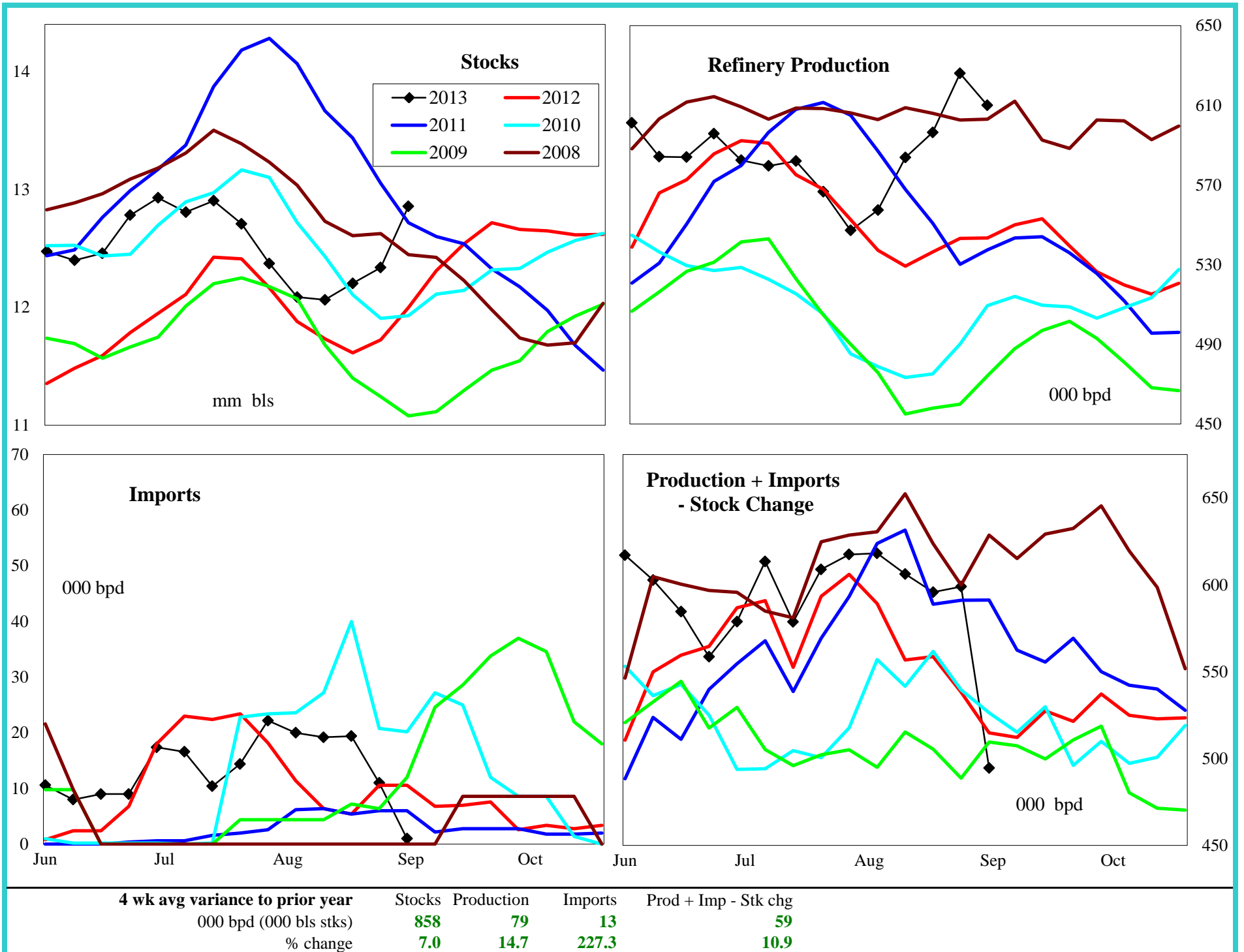
PADD 5 Reformulated Gasoline Supply



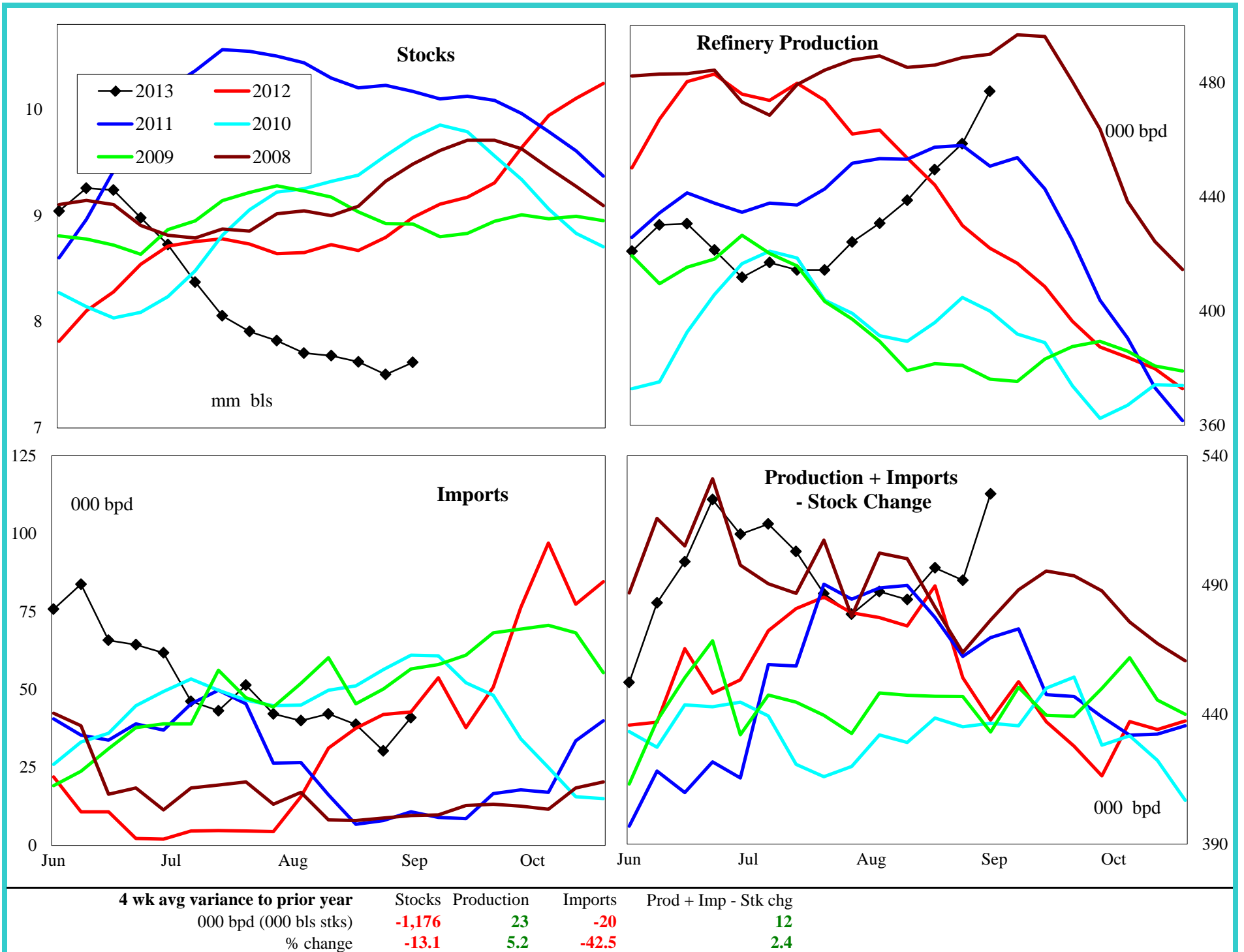
PADD 5 Conventional Gasoline Supply



PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply

