

## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

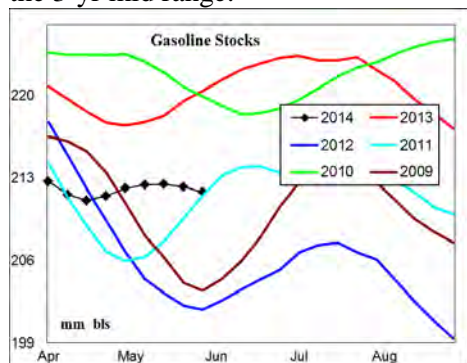
### A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 [www.fundamentalpetroleumtrends.com](http://www.fundamentalpetroleumtrends.com) Wednesday, June 04, 2014

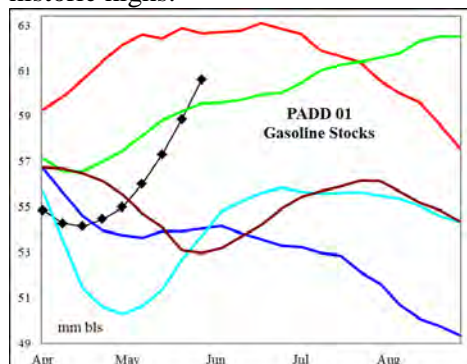


#### Major Fundamental Trends<sup>1</sup>

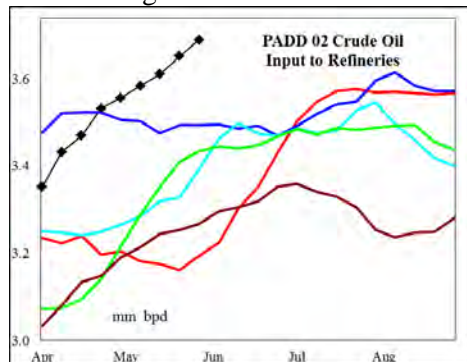
The recent surge in wholesale gasoline demand has been largely offset by increased production and higher imports, resulting in inventory levels at the 3-yr mid range.



Gasoline stocks in the key East Coast region have seen a large build during the last month, with the level near historic highs.

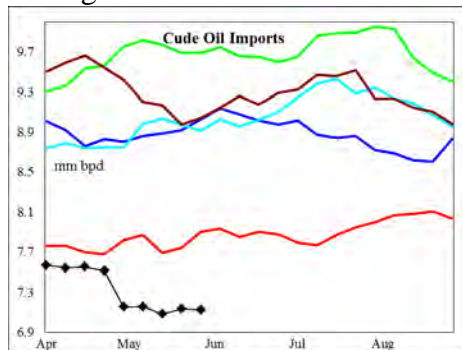


Refinery crude oil runs have surged to +0.5 million bpd above last year and a new all time record high in the Midwest region.



The result is extremely high

supplies of distillate and gasoline in the region.



Crude oil imports continue to fall in relation to a year ago, including a -0.7 million bpd drop last week. The extremely low level of imports led to a -6 million barrel stock draw in the Gulf where imports fell -1 million bpd last week.

**Wholesale Demand** for transport fuels decreased a combined -0.4 million bpd last week. Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +5.4%; distillate was +6.9% higher; jet fuel declined -0.9%, and residual fuel decreased -63%.

**Stocks forward coverage:** Gasoline demand coverage increase on a +0.2 million barrel stock build and lower wholesale demand. Coverage ended the week at a level comparable to the last 2-ys.

Distillate coverage increased on a +2 million barrel stock build and lower wholesale demand. Coverage ended the week at a level well below the 5-yr range.

Jet fuel coverage increased on a +0.4 million barrel stock build, to a level comparable with the last 2-ys.

Residual fuel oil coverage increased on a +0.8 million barrel stock build. Coverage reached a new record high.

**Refinery utilization** rates increased on a +206,000 bpd rise in crude oil runs last week. During the latest 4-wk period crude oil input was +0.6 million bpd above a year ago.

Gasoline yield % on crude oil runs fell last week on a -50,000 bpd decline

in output compared to the +206,000 bpd rise in crude oil runs. Yield % on crude oil runs fell below the last 2-ys.

Distillate yield % on crude oil runs increased last week, on a +237,000 bpd rise in output compared to the increase in crude oil runs. The yield % on crude oil runs ended the week at a new record high level.

Jet fuel yield % on crude oil runs increased on a +26,000 bpd rise in output, compared to the increase in crude oil runs. The yield % on crude oil runs ended the week well below each of the last 3-ys.

**Petroleum Imports/Exports:** Imports of crude oil fell -0.7 million bpd last week, with the Gulf down -1 million bpd.

During the latest 4-wk period crude oil imports were -0.6 million bpd below last year; distillate imports were +32,000 bpd higher; finished gasoline imports were +37,000 bpd higher; gasoline blend stock imports were +79,000 bpd higher; jet fuel imports increased +18,000 bpd, while residual fuel oil imports were -69,000 bpd lower.

*Exports of distillate for the week ending 23May14 were +146,000 bpd above a year ago, gasoline +78,000 bpd, jet fuel +17,000 bpd and propane was +95,000 bpd higher.*

**Crude Oil** imports fell -0.7 million bpd last week, including a -1 million bpd drop in the Gulf region. As a result, stocks declined -3.4 million barrels.

Last week's stock draw in Cushing was -0.3 million barrels. Note that crude oil receipts into Cushing are an all time record high, so that the facility is well supplied even with low stock levels.

<sup>1</sup> Source is latest EIA Weekly Statistics



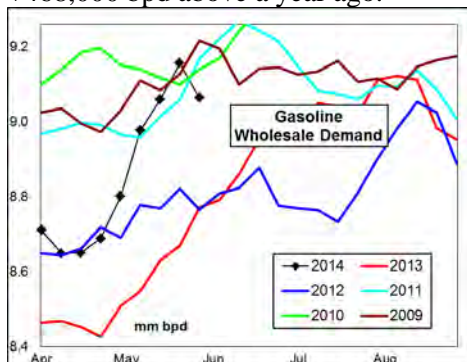
## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

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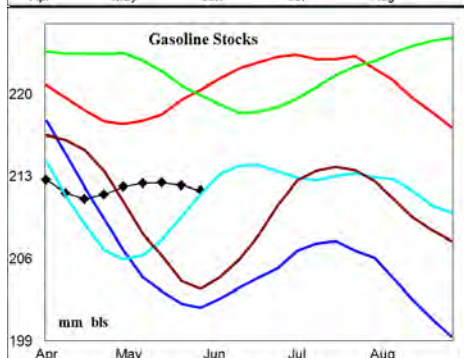
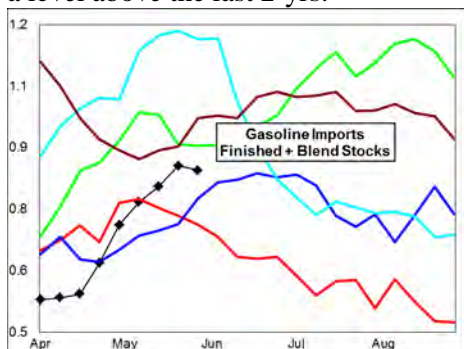
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#### Product Supply-Demand Trends

**Gasoline** wholesale demand fell -206,000 bpd last week, but the level remains well above the last 2-yr. The latest 4-wk average demand was +468,000 bpd above a year ago.



Supply increased +69,000 bpd on the week, driven by higher imports. Supply for the latest 4-wk period was +464,000 bpd above a year ago. Imports of finished + blend stocks increased +119,000 bpd on the week to a level above the last 2-yr.

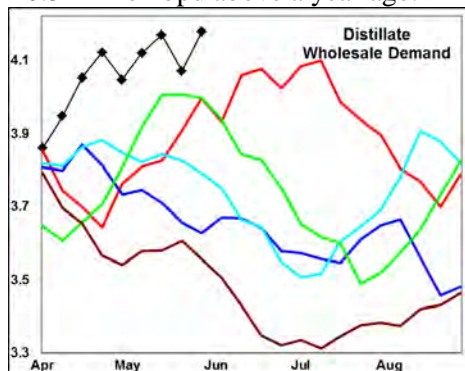


Stocks increased +0.2 million barrels last week, to a level that matched the 3-yr mid range.

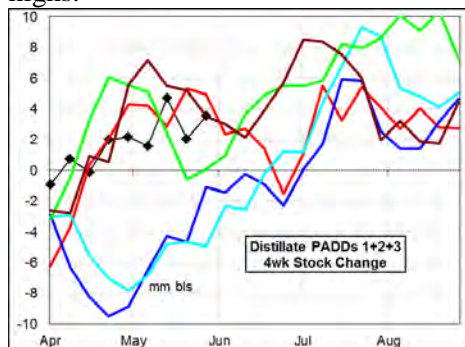
The latest 4-wk stock change East of the Rockies was a -1.6 million barrel draw, compared to builds in two of the last 3-yr. However, stocks have not experienced a meaningful seasonal

draw this year. With record crude oil runs and increased thru put of domestic shale crude oil, the market is likely to remain well supplied.

**Distillate** wholesale demand declined -44,000 bpd last week, a level above the 5-yr range. The latest 4-wk average demand was +264,000 bpd above last year. Supply jumped +271,000 bpd on the week, with the latest 4-wk average +0.3 million bpd above a year ago.



The latest 4-wk stock change in markets East of the Rockies was a +3.5 million barrel build, near historic highs.

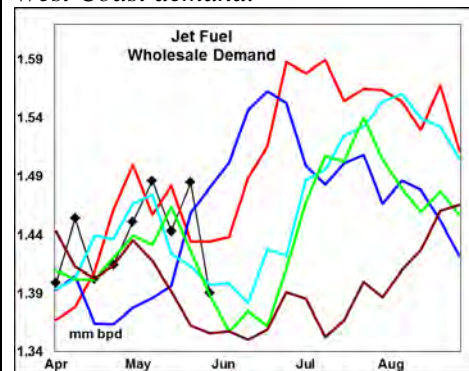


Wholesale demand sees a significant seasonal decline during the next 60-days. Competition to supply the European market between Russia, the Middle East and U.S. refiners may constrain exports going forward. Combined with peak refinery crude oil thru put during the same period, look for an above average stock build during the next quarter.

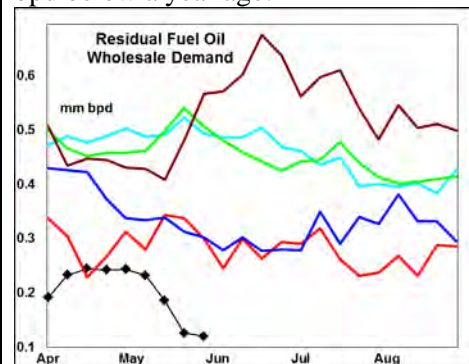
**Jet Fuel** wholesale demand fell -150,000 bpd last week. The latest 4-wk average demand was -14,000 bpd below a year ago. Supply fell -77,000 bpd on lower imports. Output for the

most recent 4-wk period increased +29,000 bpd compared to last year. Imports were +18,000 bpd higher. Stocks increased +0.4 million barrels last week, to a level that matched historic lows.

Stock levels are nearly unchanged from the average of the last 3-yr for this time of year; with an increased reliance on imports to satisfy East and West Coast demand.



**Residual fuel oil** demand was nearly unchanged on the week. Demand for the latest 4-wk period was -254,000 bpd below a year ago.



Supply (production + imports) increased +16,000 bpd on higher production. Production was -13,000 bpd below a year ago for the latest 4-wk period, while imports decreased -69,000 bpd. Stock levels ended the week above each of the last 3-yr.

Stock levels reached a new record high in the Gulf region. Gulf region production has dropped -27% during the latest 4-wk period with imports off -52% from last year on increased processing of domestic light shale oil.





## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

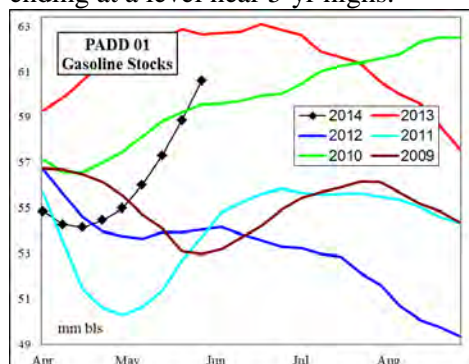
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#### PADD Supply Trends

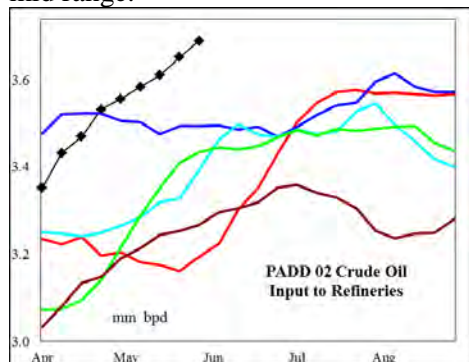
**PADD 1** refinery crude oil runs increased +21,000 bpd on the week, with the level above the last 3-yrs. Stocks climbed +0.8 million barrels on the week, to a level above each of the last 3-yrs.

Gasoline supply was nearly unchanged on the week. Stocks climbed +1.4 million barrels last week, ending at a level near 5-yr highs.



Distillate supply jumped +126,000 bpd on record production; with the 4-wk average +62,000 bpd above last year. Stock levels were -9% below last year.

Jet fuel supply decreased -17,000 bpd with the level above the mid range. Stock levels matched the 3-yr mid range.



**PADD 2** crude oil refinery runs increased +61,000 bpd last week, with the latest 4-wk average +476,000 bpd above last year. Crude oil stocks were nearly unchanged, including a -0.3 million barrel draw in Cushing.

Gasoline supply declined -61,000 bpd last week. Production for the most recent 4-wk period was +476,000 bpd above a year ago – driven by the EIA recording sub octane product shipped into the Midwest as finished product

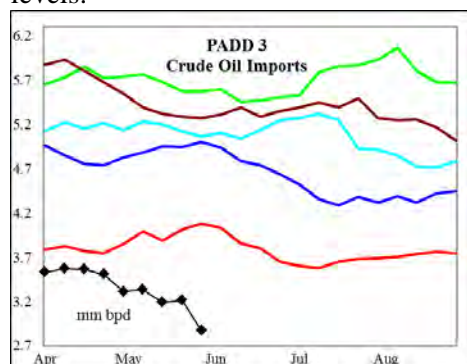
production when blended with ethanol. Stocks fell -1.5 million barrels, to a record low level.

Distillate supply increased +35,000 bpd last week, with the 4-wk average +25% above a year ago. Stocks ended the week above the last 3-yrs.

Jet fuel production increased +23,000 bpd on the week to a level below the mid range. Stock levels ended the week below the mid range.

**PADD 3** refinery runs increased +46,000 bpd last week. During the latest 4-wk period, average runs were +94,000 bpd above last year.

Crude oil stocks fell -6 million barrels last week, driven by a -1 million bpd drop in imports; which have declined to exceptionally low levels.



Gasoline supply declined -96,000 bpd last week, with the latest 4-wk average +246,000 bpd above a year ago. Stocks declined -0.5 million barrels last week, with the level above the 5-yr mid range.

Distillate supply increased +139,000 bpd on the week, with the latest 4-wk average supply +30,000 bpd above last year. Stocks increased +1 million barrels, to a level comparable with the last 2-yrs.

Jet fuel production increased +4,000 bpd to a level at the 3-yr mid range. Stock levels ended the week at the low end of the historic range.

Residual fuel supply increased +75,000 bpd on the week. Stocks levels ended the week at a record high. **PADD 4** refinery crude runs increased +13,000 bpd last week to a new record high for the period, with the 4-wk

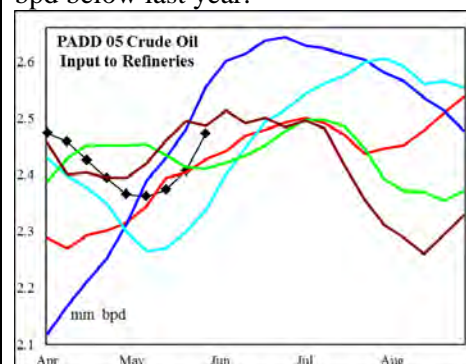
average +54,000 bpd above last year.

Gasoline production was nearly unchanged on the week, with the latest 4-wk average +37 above a year ago. Stocks ended the week +13% above a year ago and well above the historic mid range.

Distillate production increased +9,000 bpd last week, with the latest 4-wk output +27,000 bpd above last year. Stock levels ended the week at 5-yr highs for the period.

Jet fuel production matched historic highs with stock levels slightly below the 3-yr mid range.

**PADD 5** crude oil refinery runs increased +64,000 bpd last week, ending at a level above the 3-yr mid range. The 4-wk run rate was -8,000 bpd below last year.



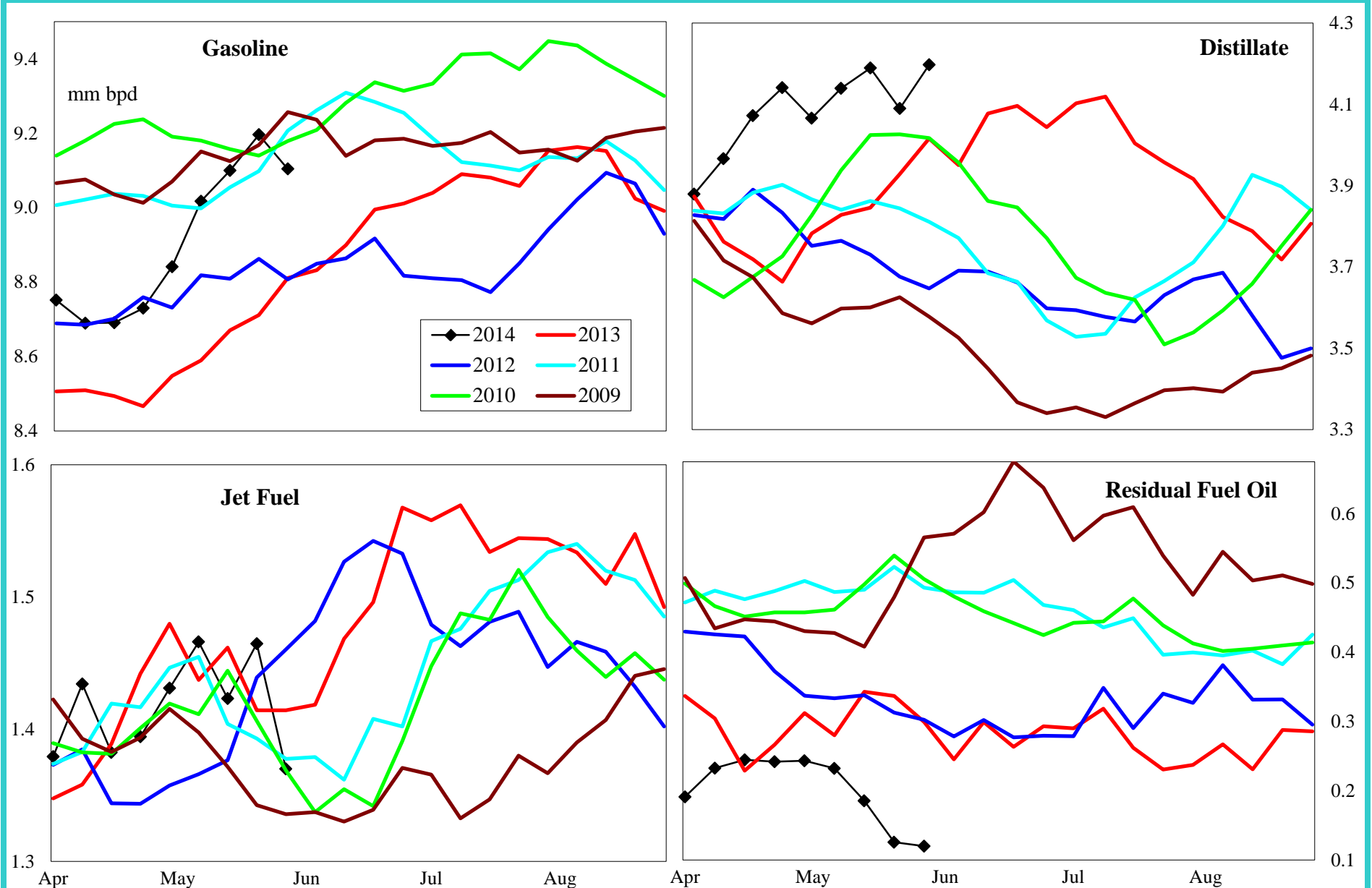
Gasoline supply fell -78,000 bpd on the week, with the 4-wk average +79,000 bpd above a year ago. Stocks increased +0.8 million barrels to a level comparable with the last 2-yrs.

Distillate supply declined -36,000 bpd on lower production, to a level near historic highs. The 4-wk average output was -17,000 bpd below a year ago. Stocks were nearly unchanged on the week, with the level equal to the 3-yr mid range.

Jet fuel supply fell -85,000 bpd on sharply lower imports. Production continues at a record high for this time of year. The latest 4-wk average supply was -27,000 bpd below last year. Stocks increased +0.2 million barrels on the week, to a level near the 3-yr mid range.

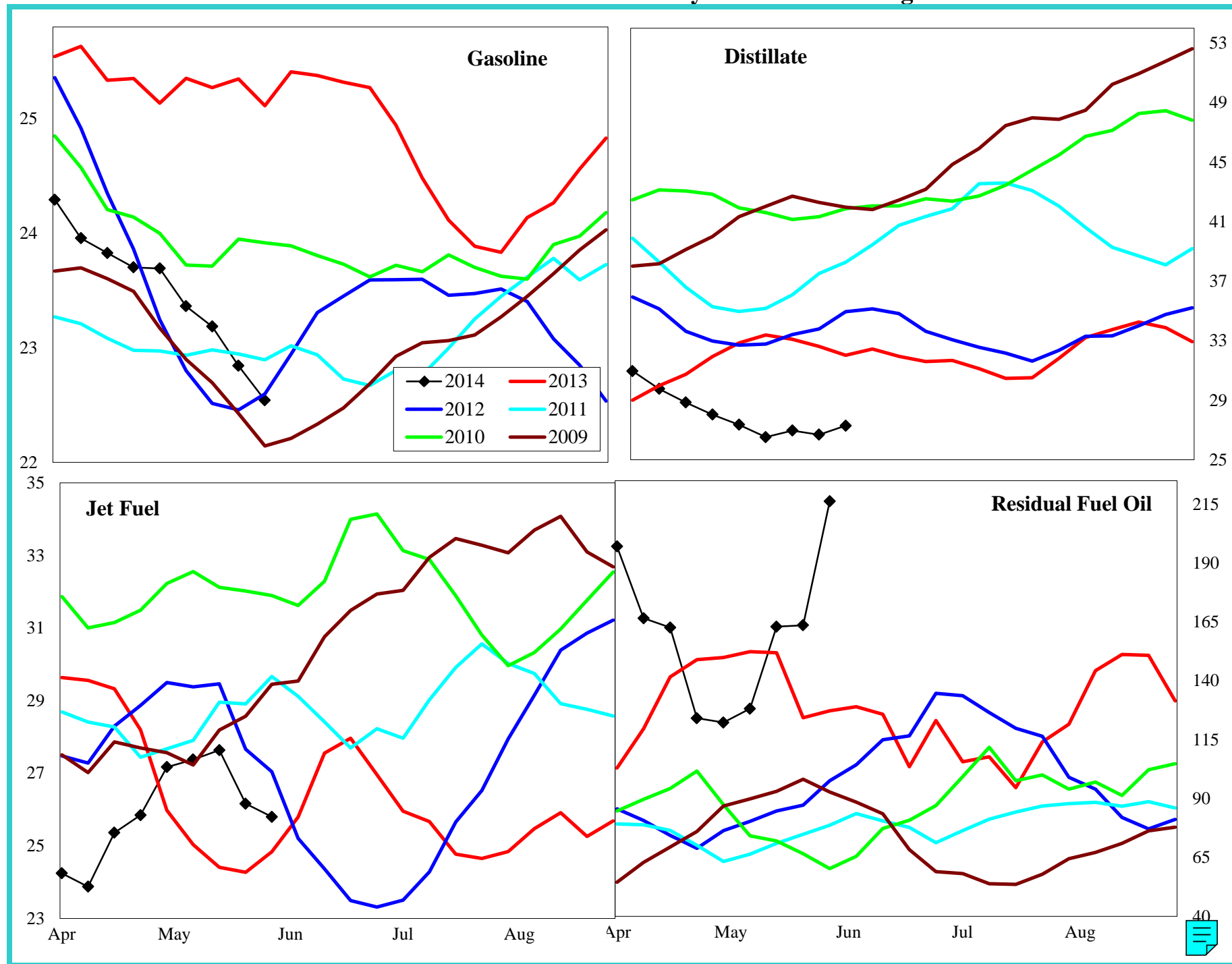


# United States Wholesale Petroleum Demand

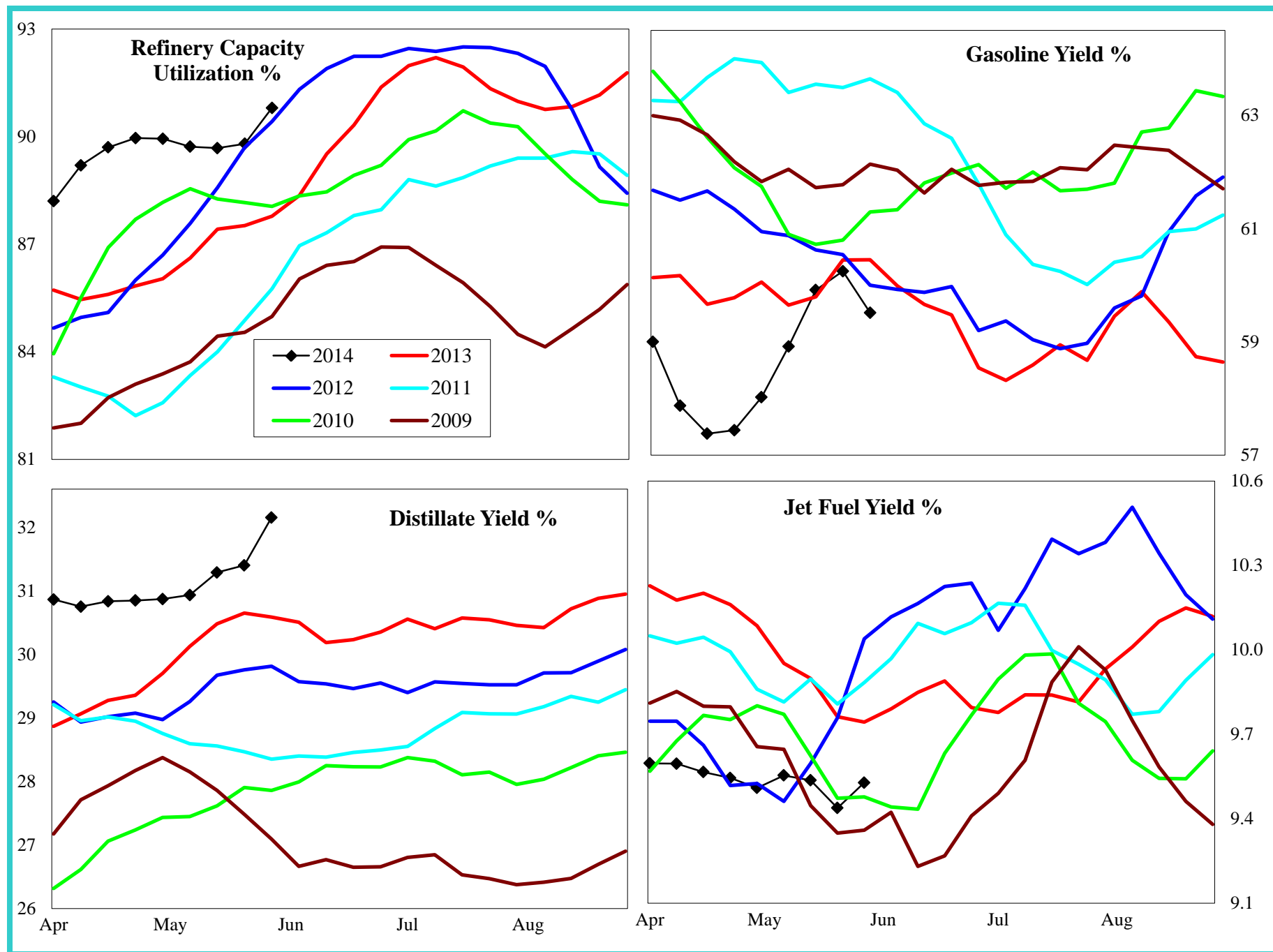


	000 bpd change from prior year				% change from prior year			
	4wk avg	Apr	Mar	Feb	4wk avg	Apr	Mar	Feb
Gasoline	468	-151	178	287	5.4	-1.7	2.1	3.4
Distillate	264	187	10	207	6.9	4.8	0.3	5.2
Jet Fuel	-14	-3	80	53	-0.9	-0.2	5.8	4.0
Resid	-254	13	-179	-97	-62.9	4.6	-41.5	-31.9

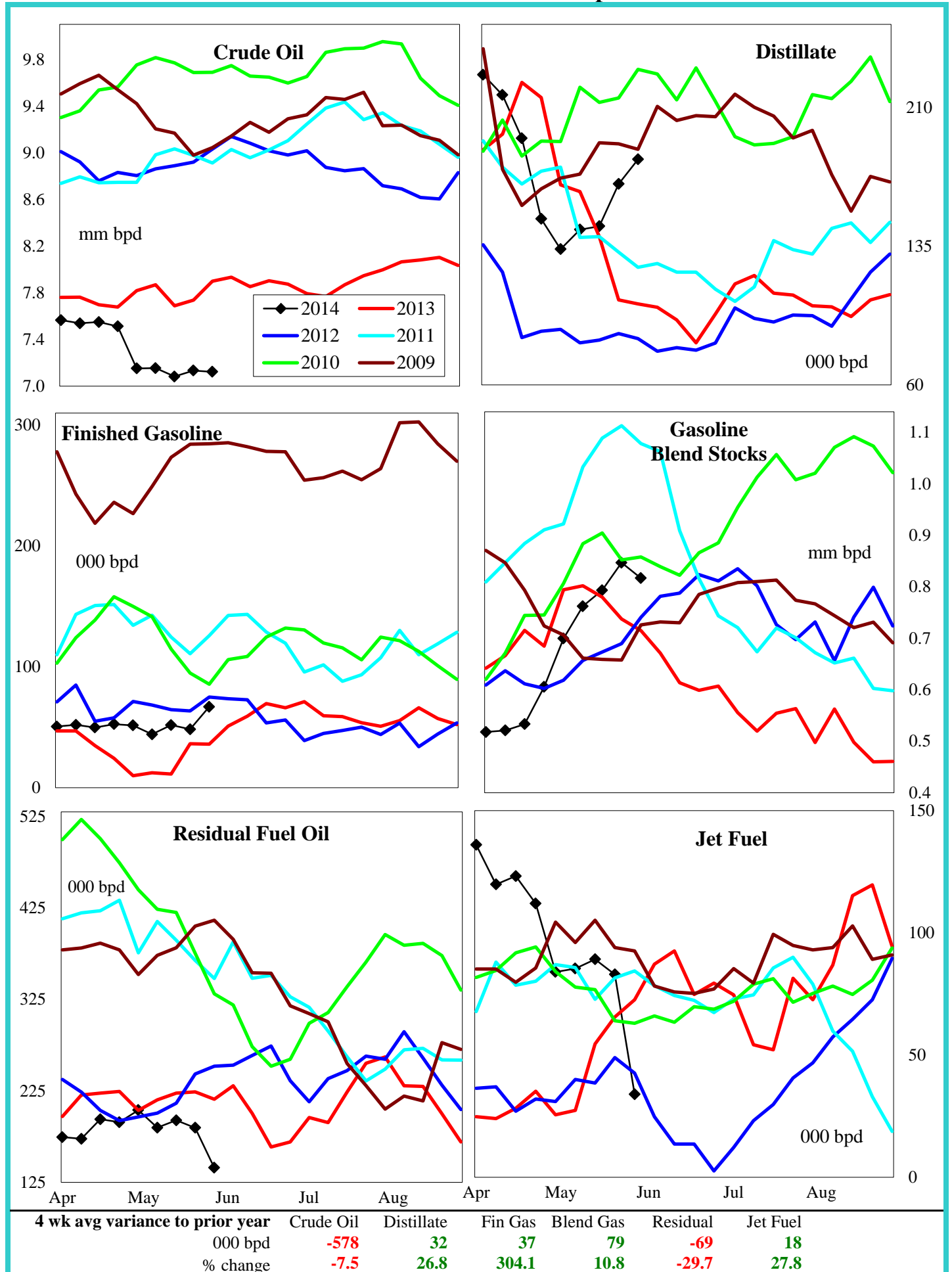


**United States Product Stocks: Days Forward Coverage**

## United States Refinery Percent Utilization Rate and Product Yields

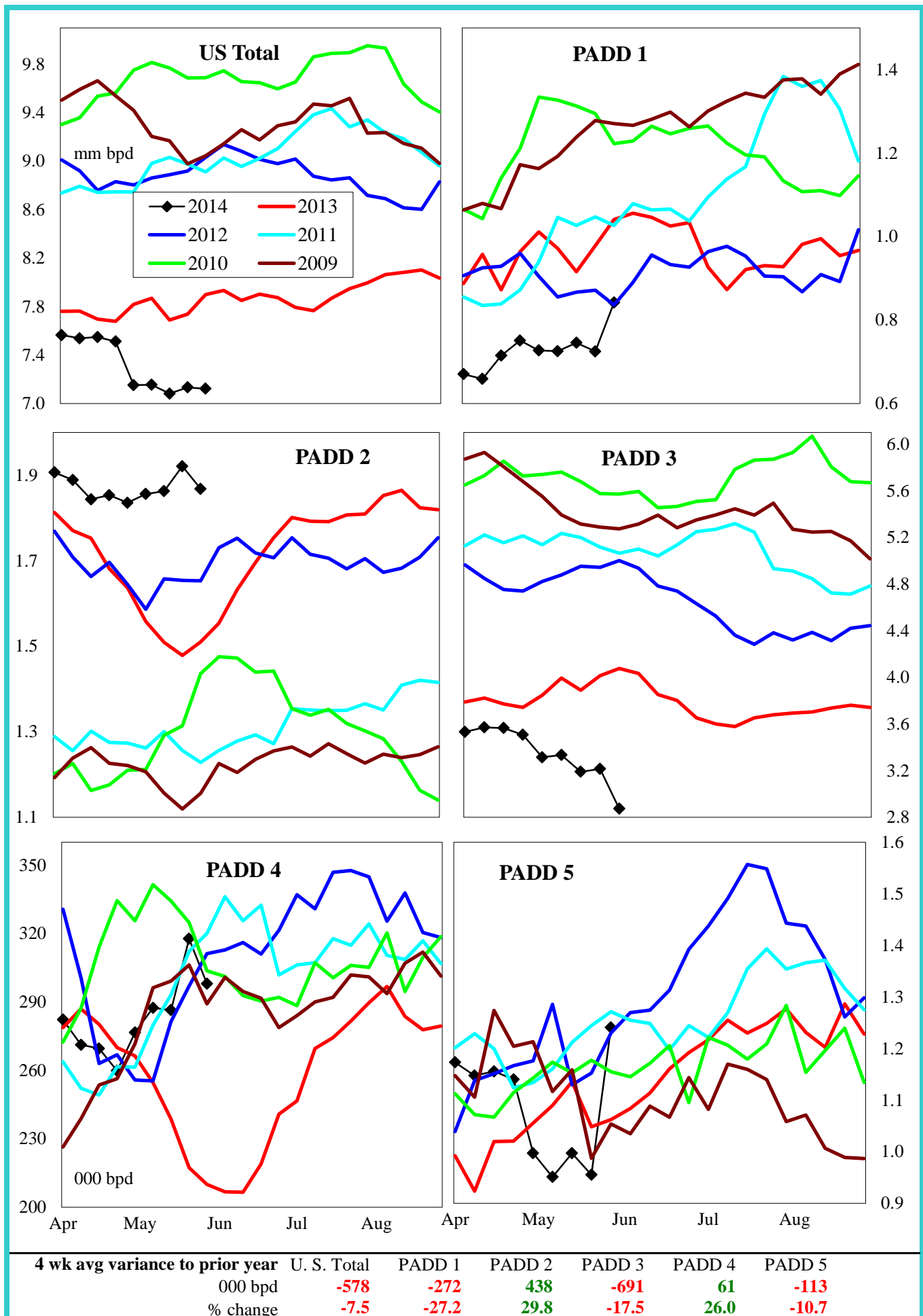


# United States Petroleum Imports

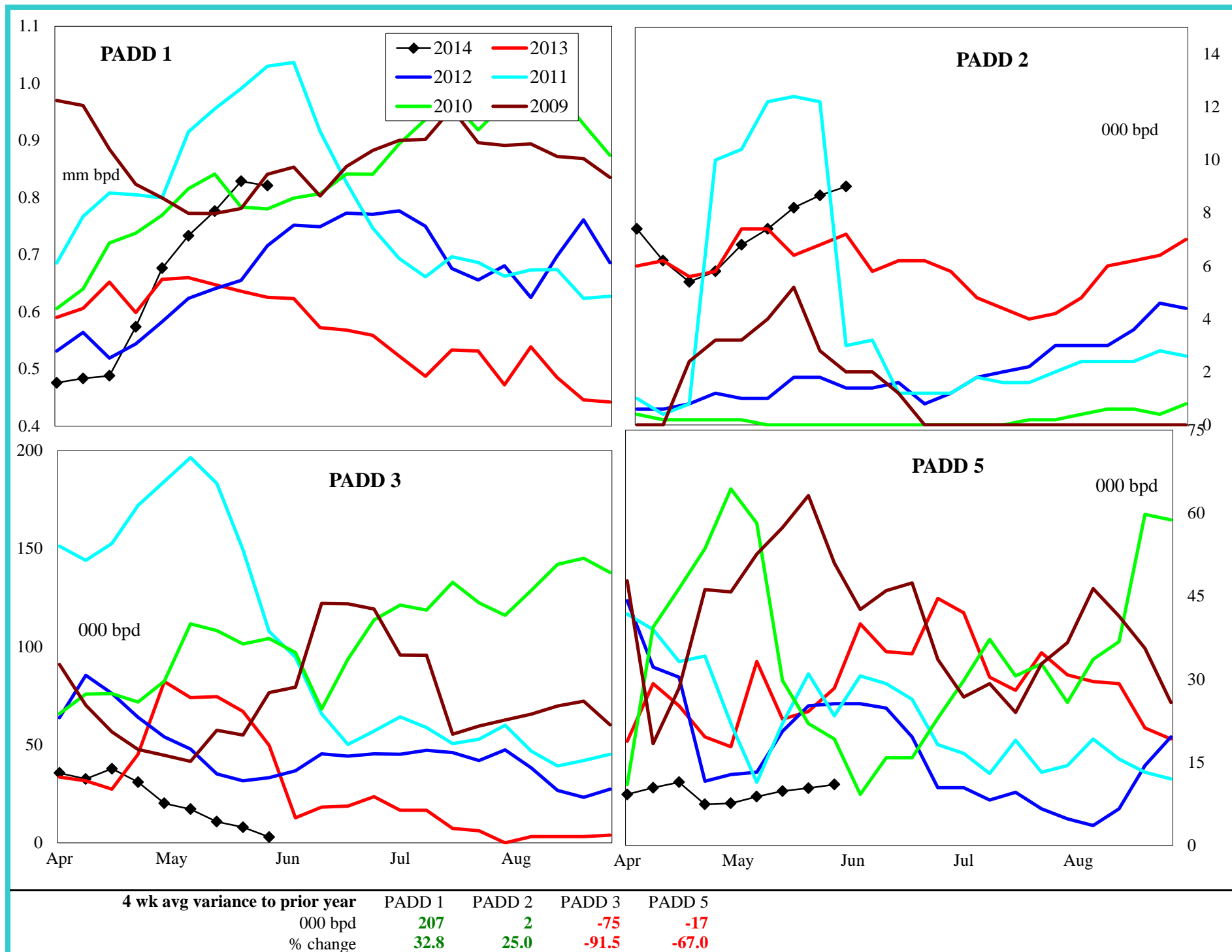




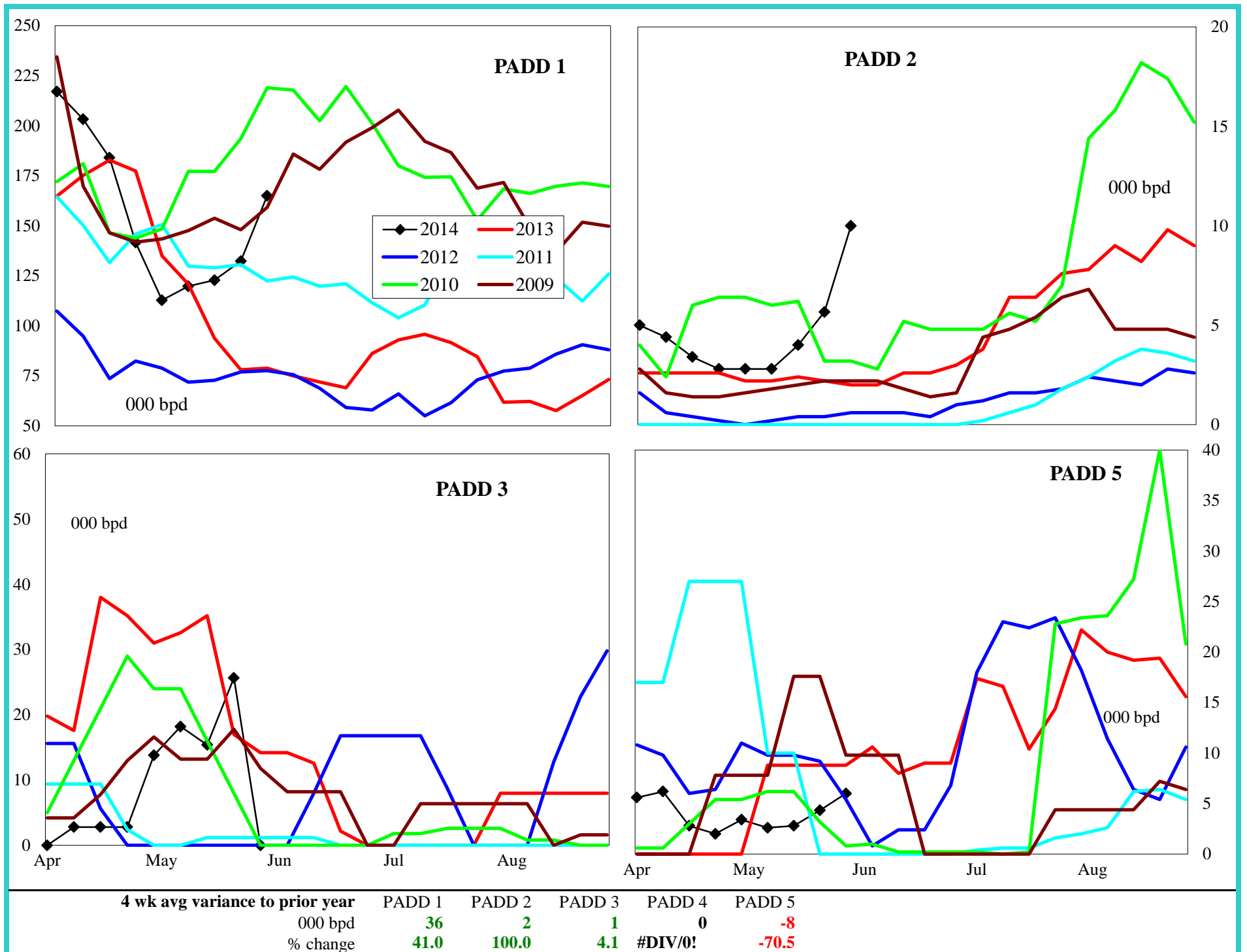
## Crude Oil Imports by PADD



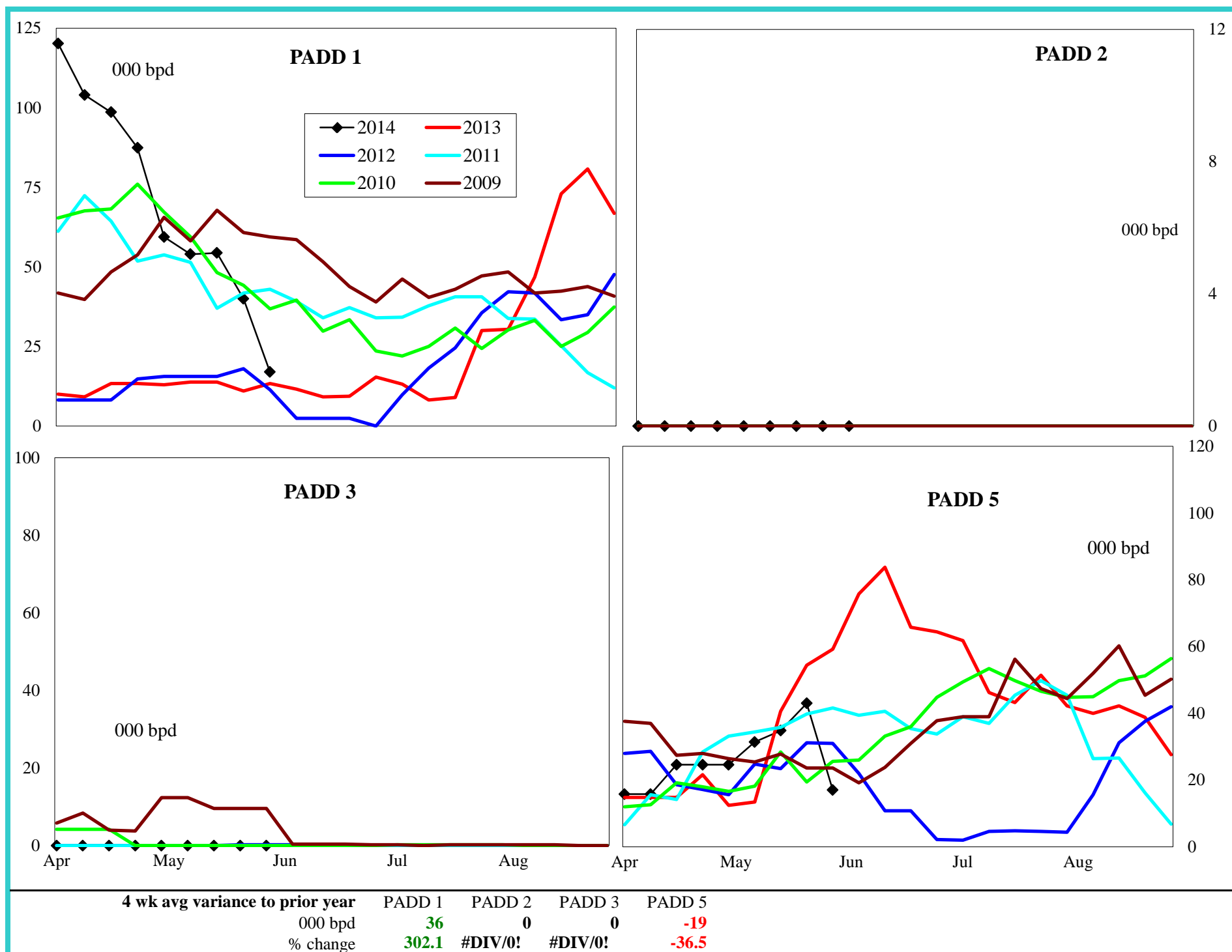
# Gasoline Imports by PADD (Finished + Blend Stocks)



# Distillate Imports by PADD

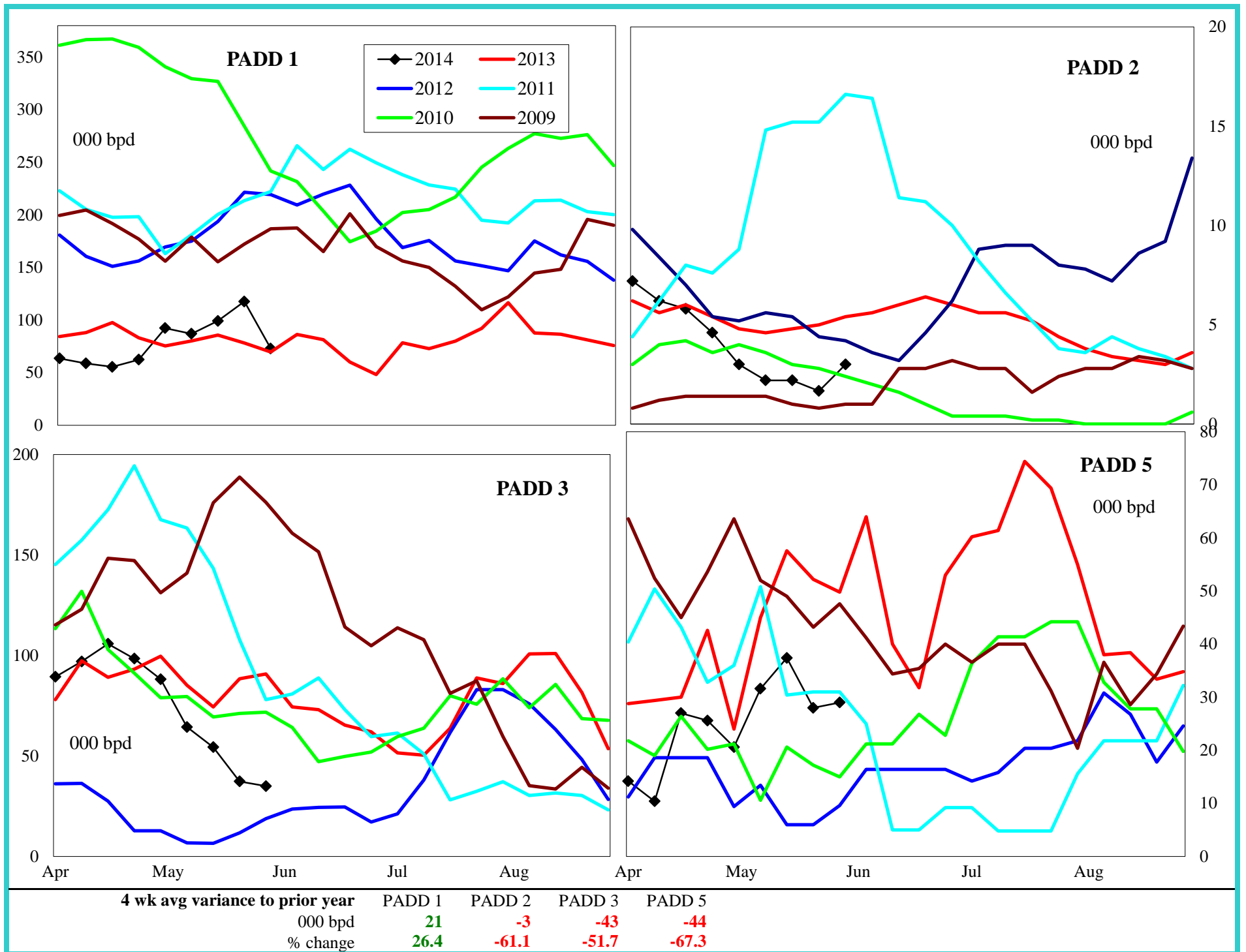


# Jet Fuel Imports by PADD

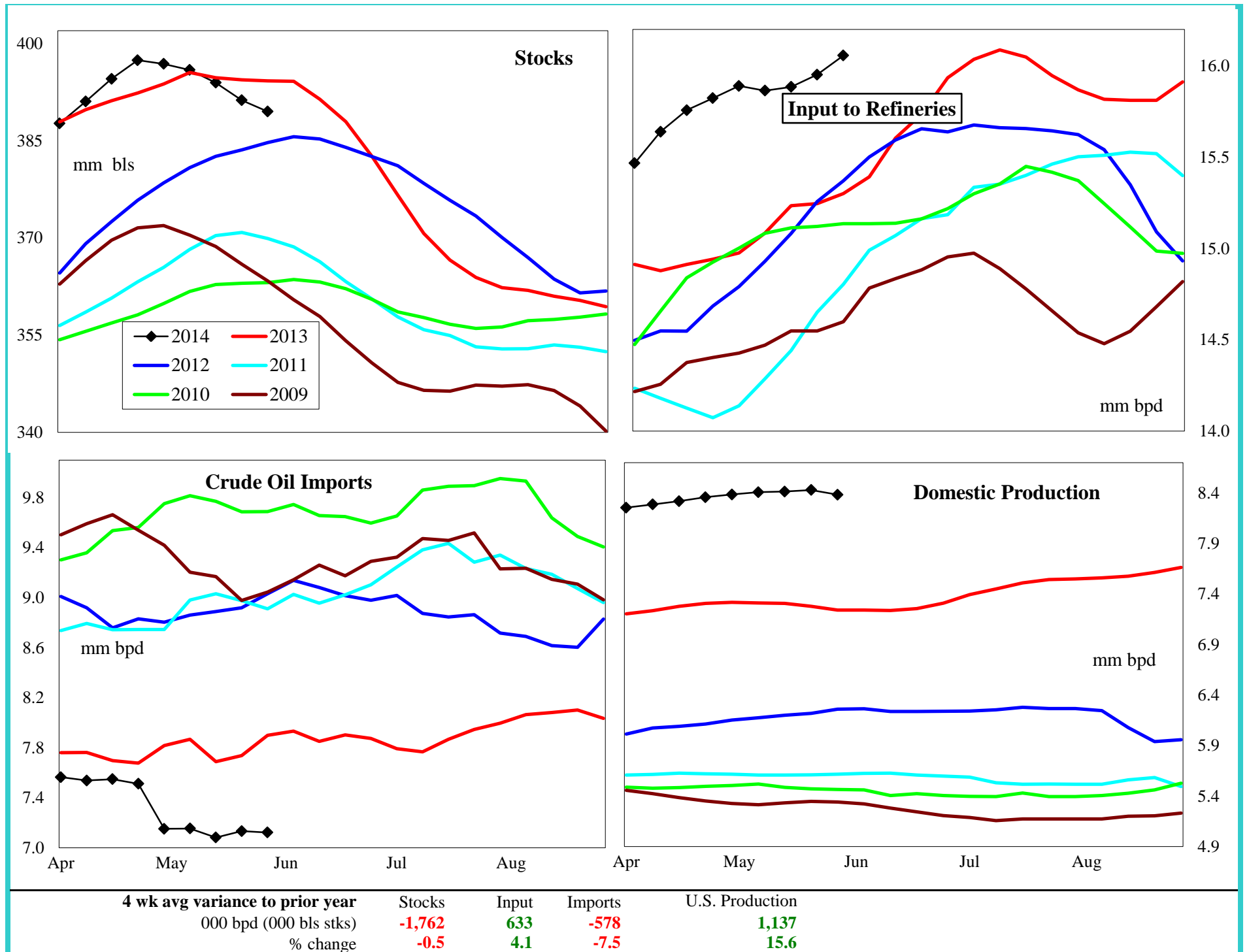




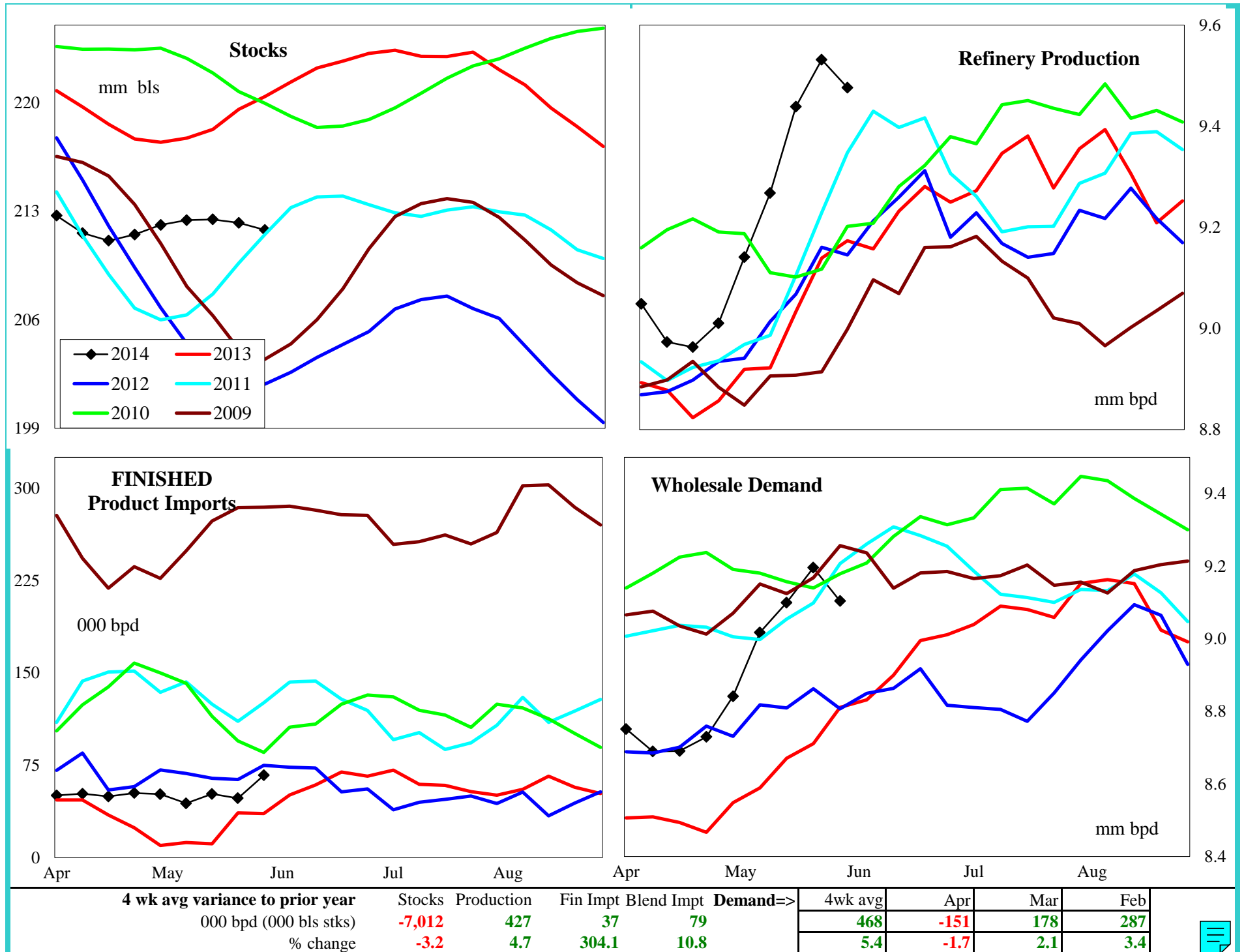
## Residual Fuel Oil Imports by PADD



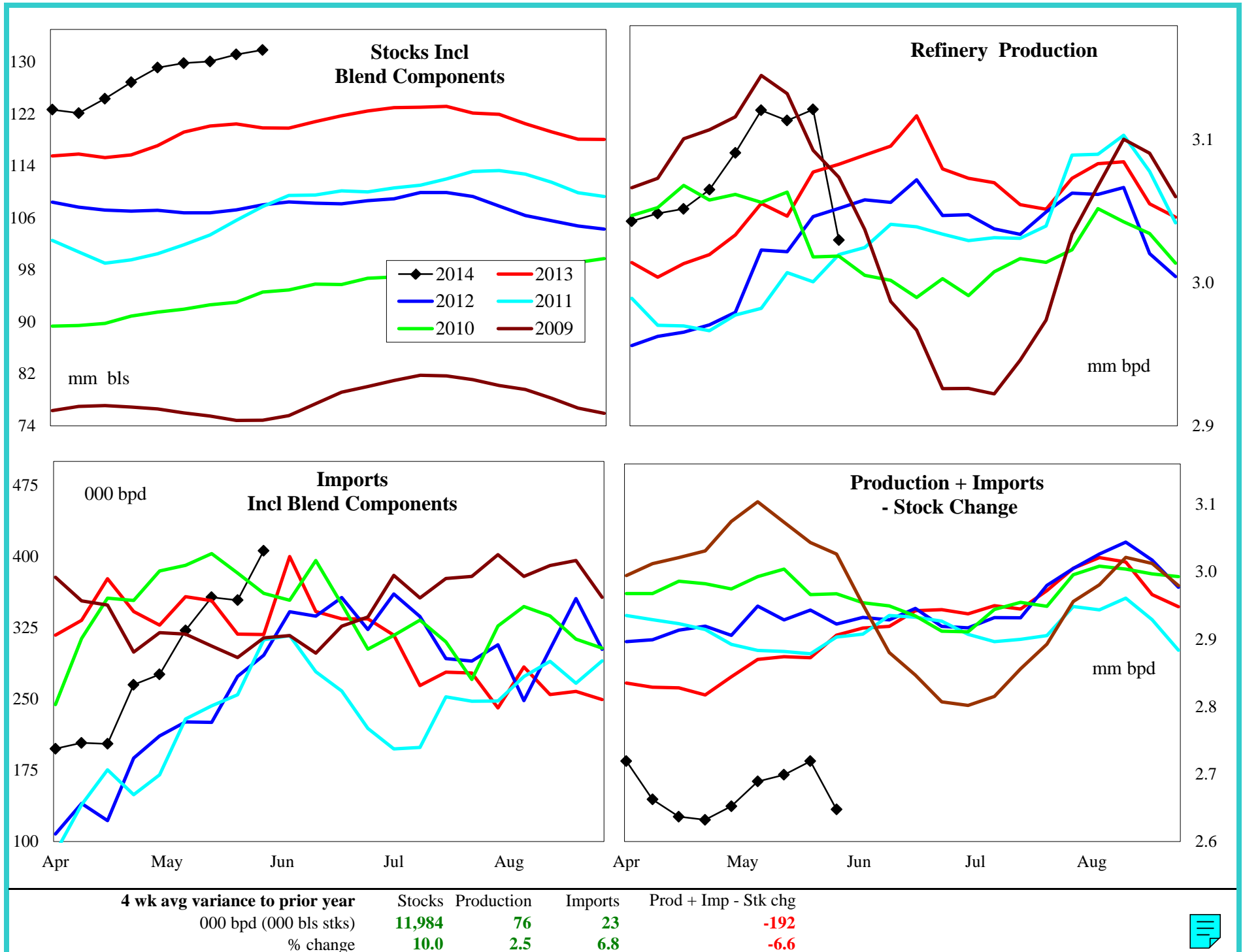
# United States Crude Oil Supply and Demand Balance



# United States Gasoline Supply and Demand Balance

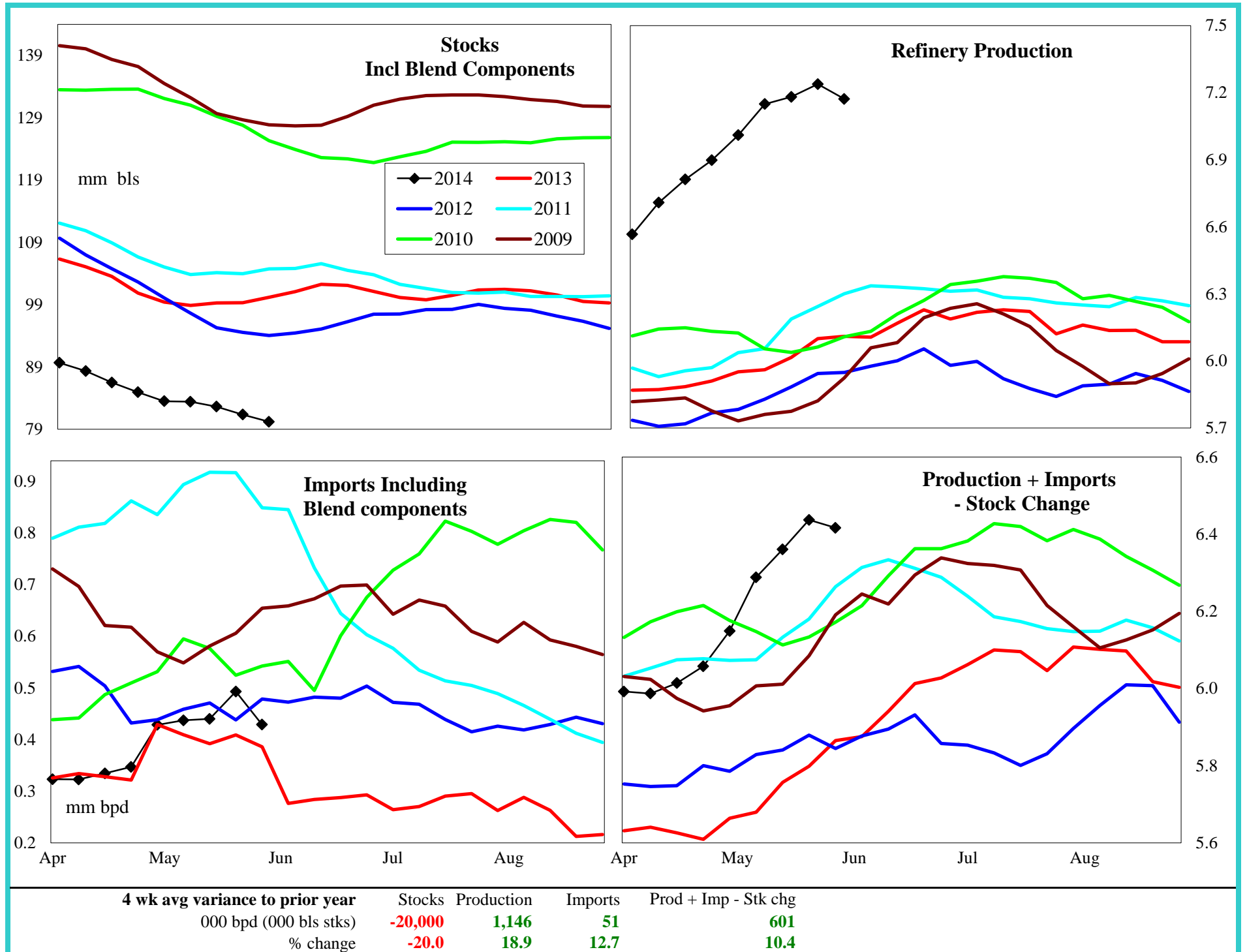


# United States Reformulated Gasoline Supply

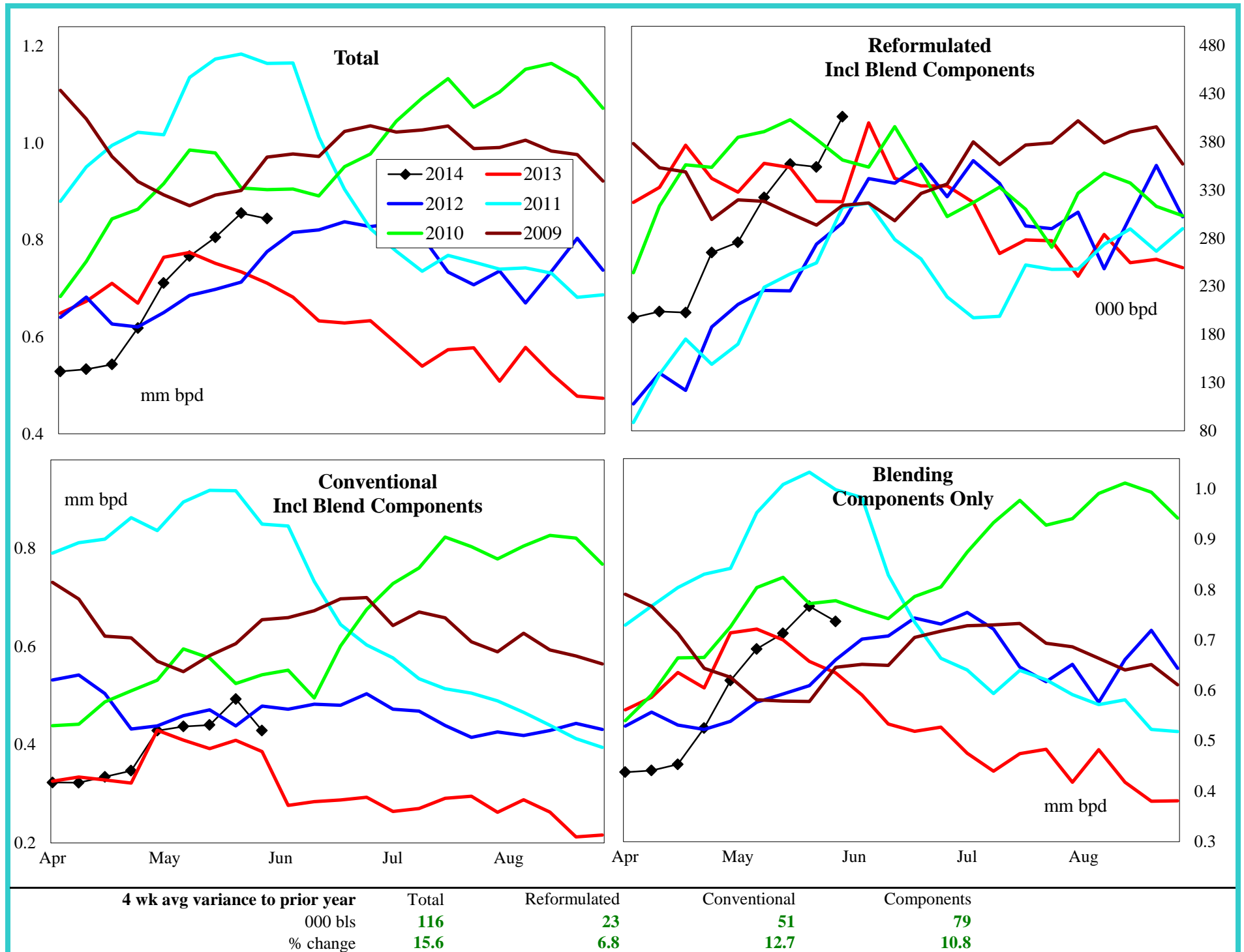




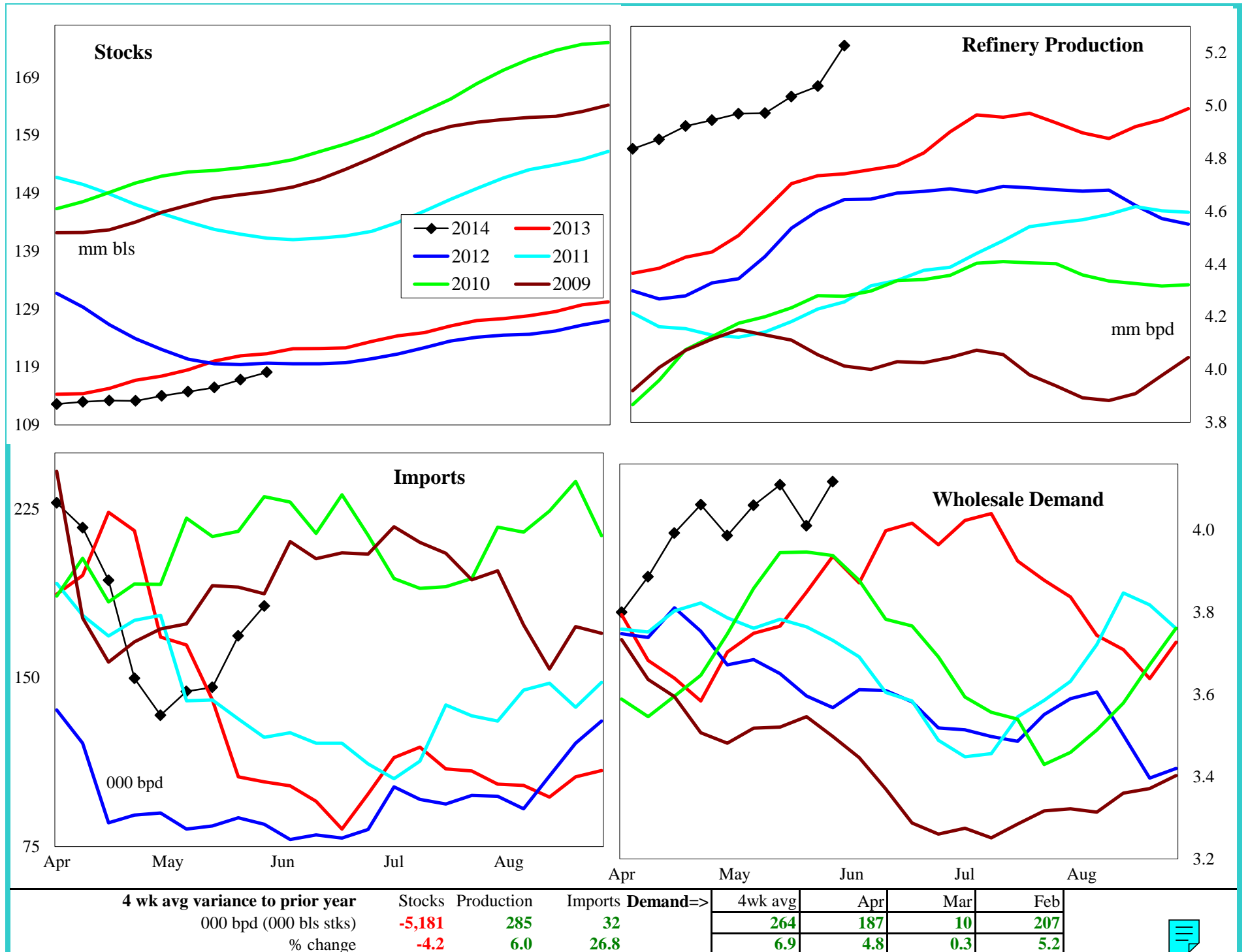
# United States Conventional Gasoline Supply



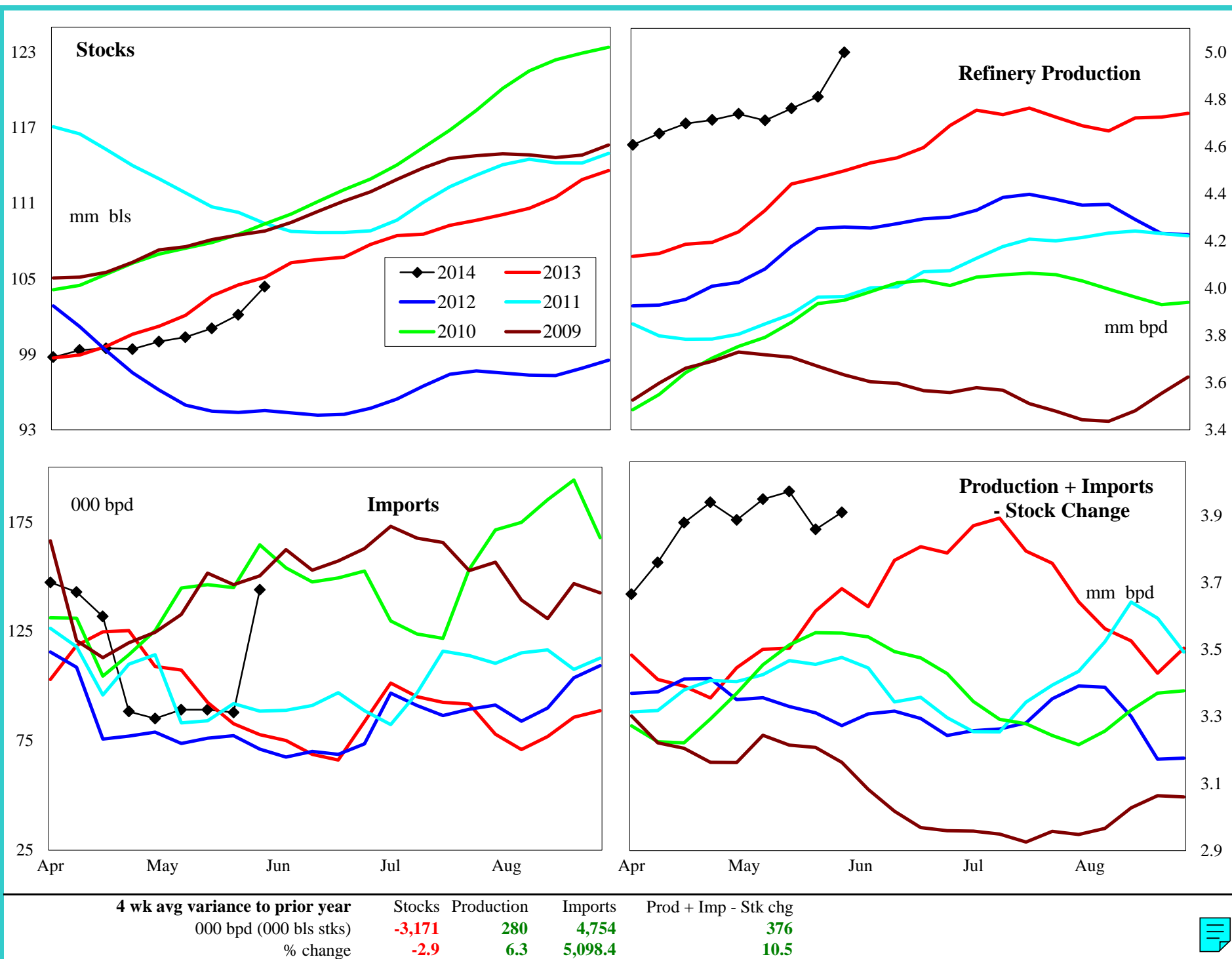
# United States Gasoline Imports by Type



# United States Distillate Supply and Demand Balance

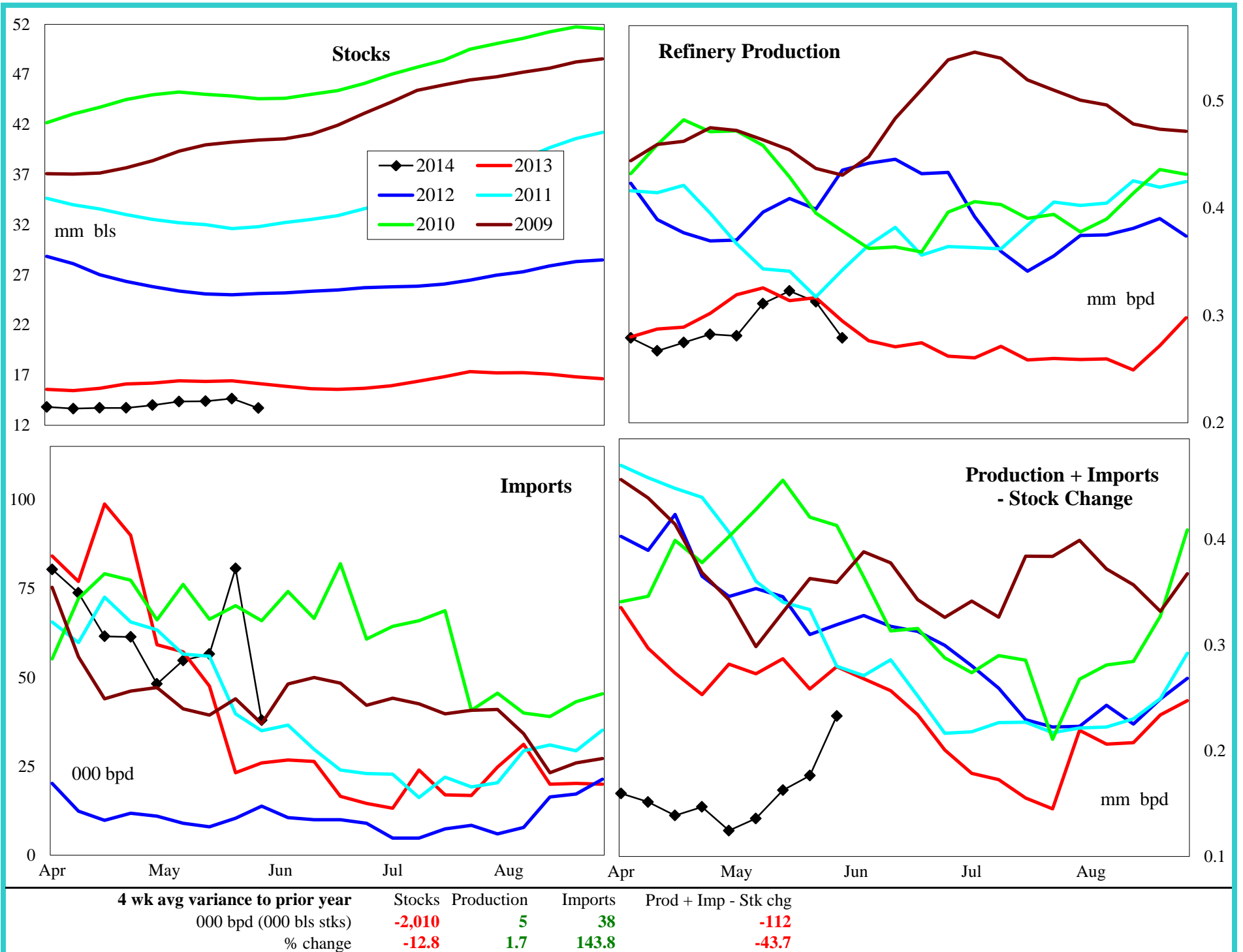


# United States Low Sulfur Distillate Supply

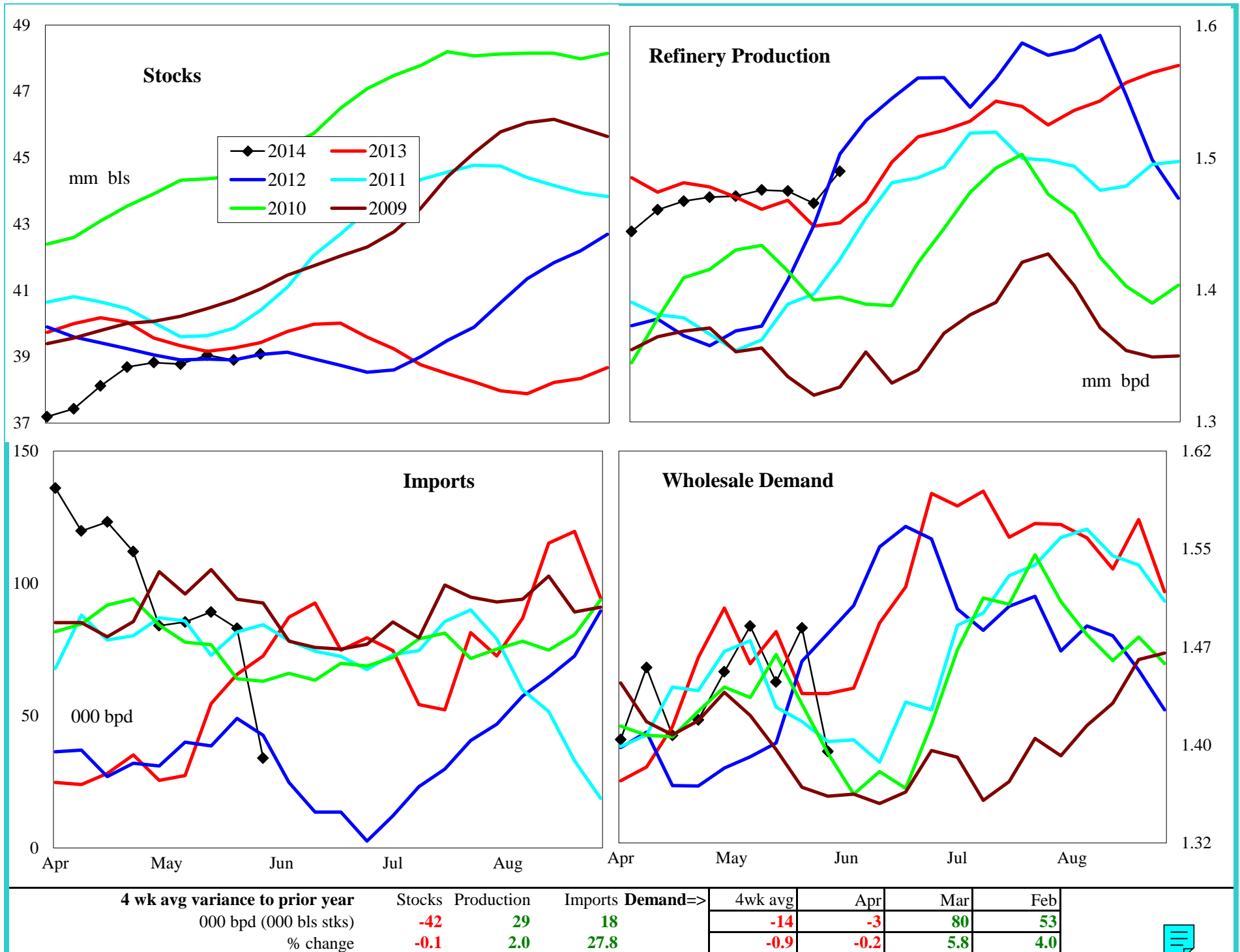




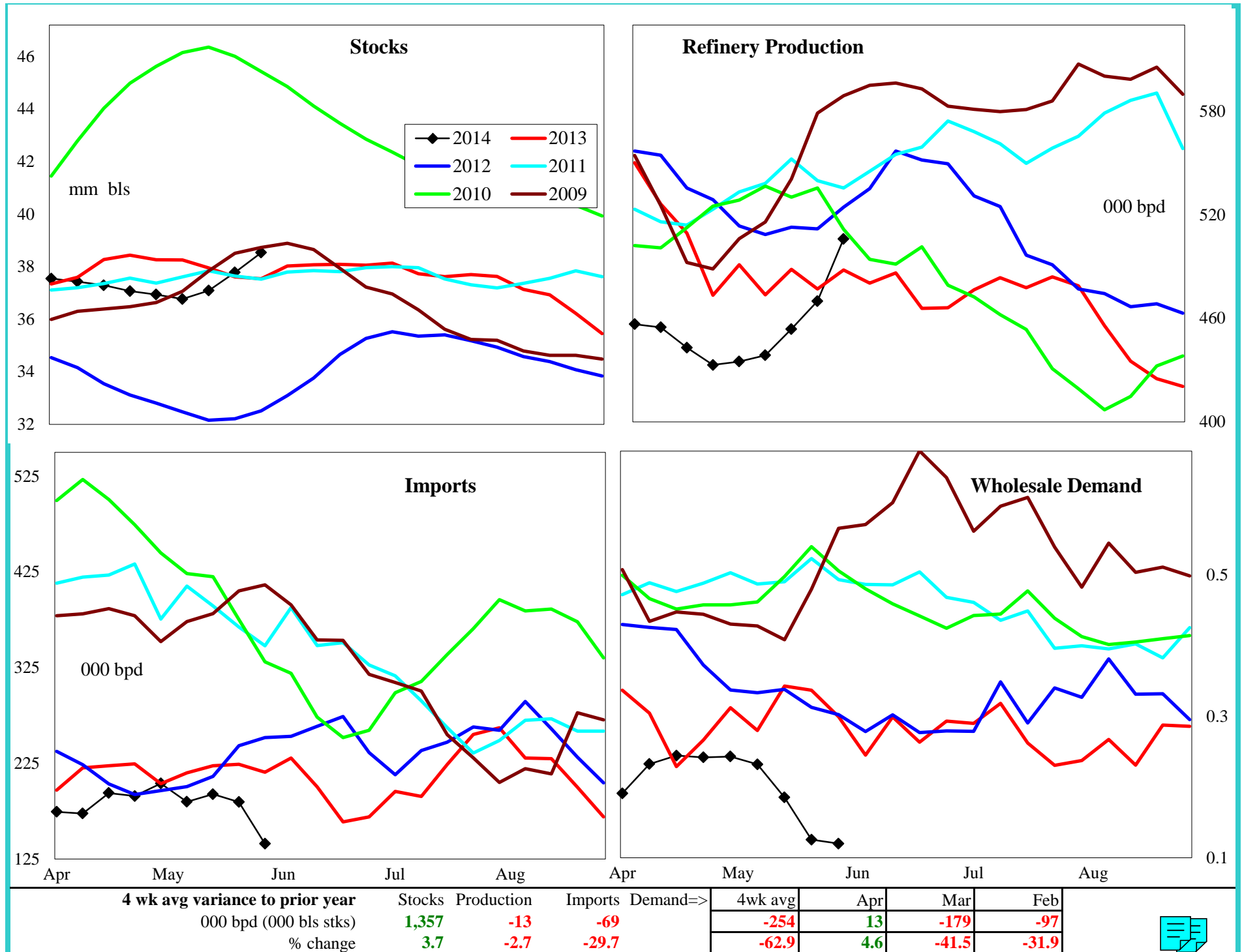
# United States High Sulfur Distillate Supply



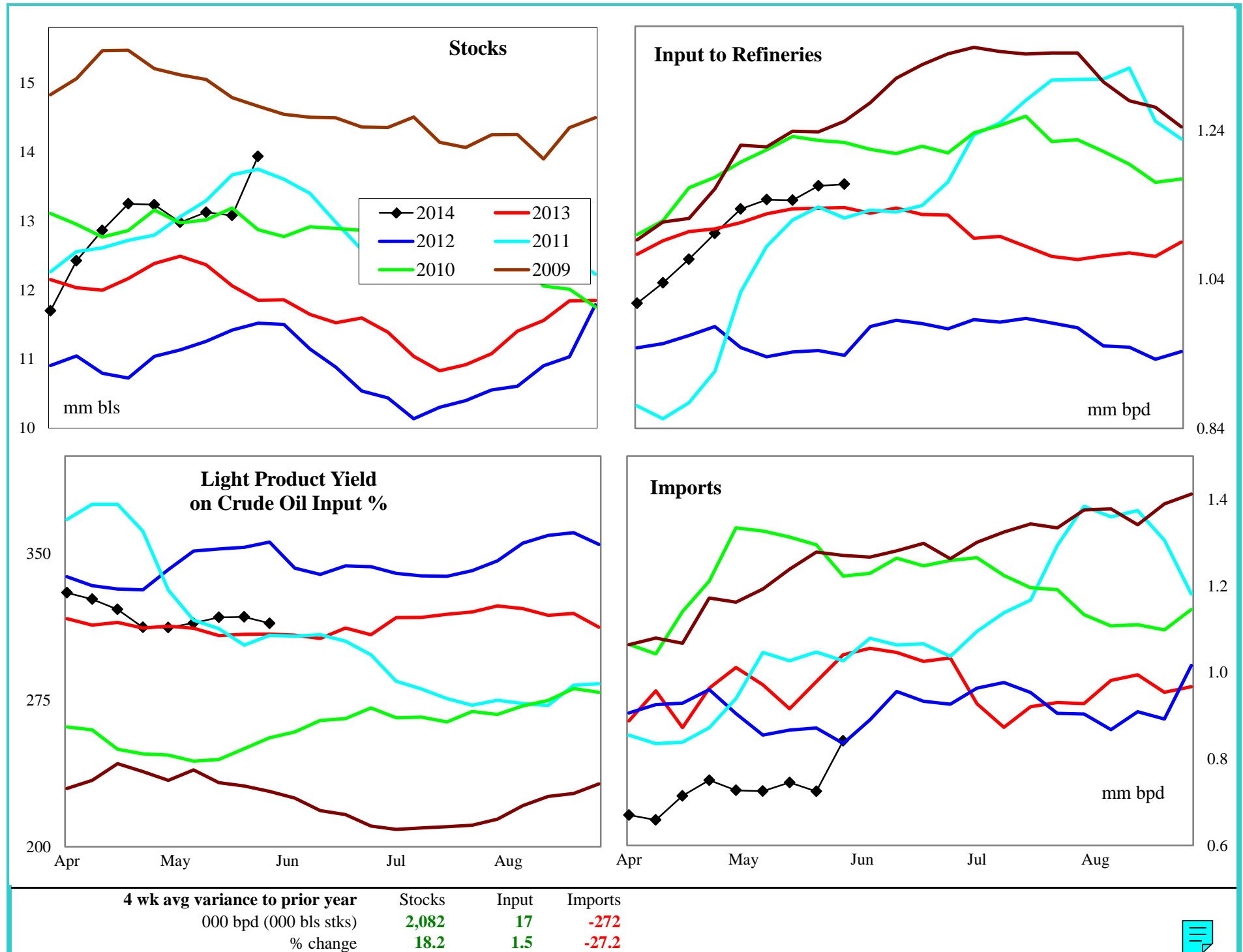
# United States Jet Fuel Supply and Demand Balance



# United States Residual Fuel Oil Supply and Demand Balance

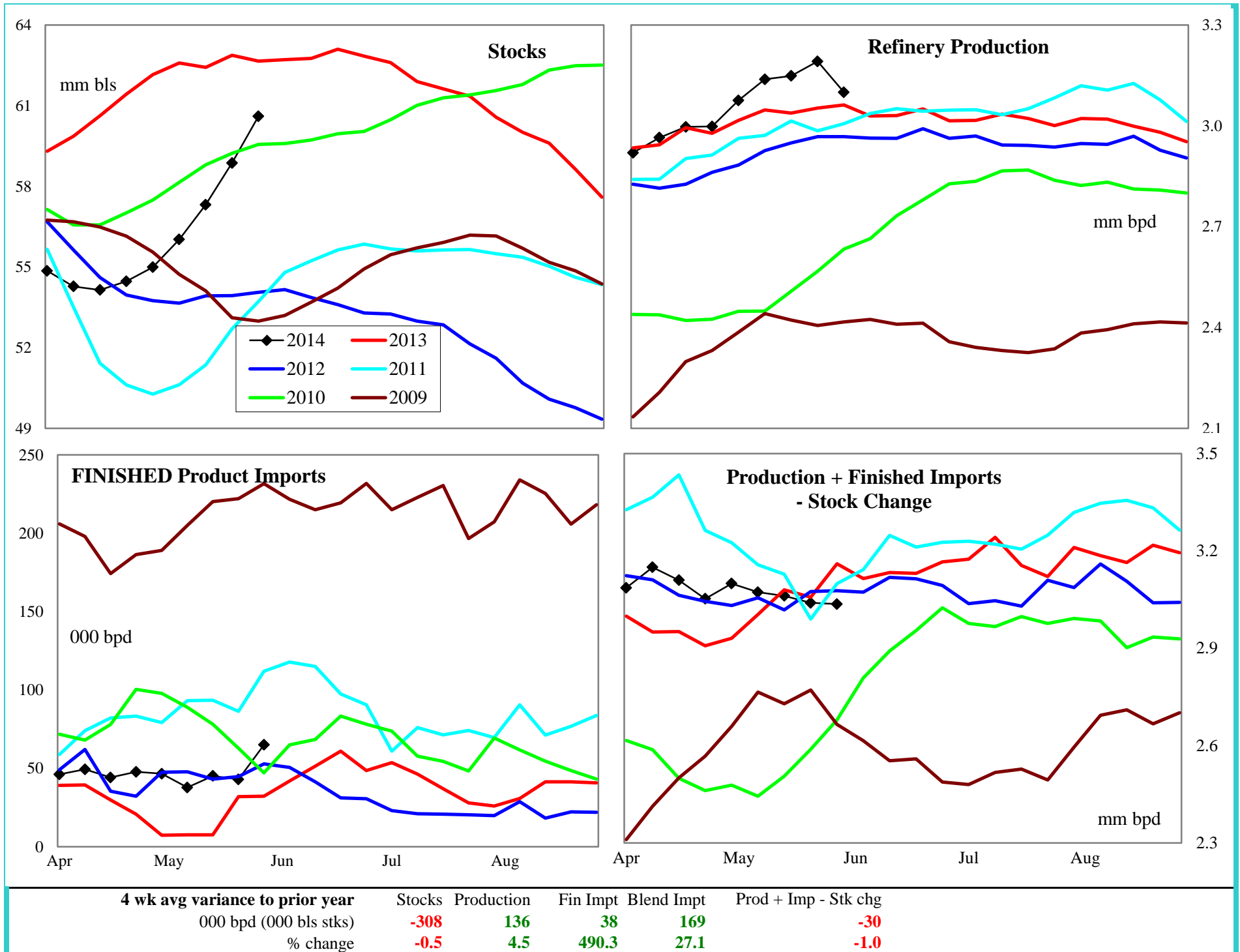


# PADD 1 Crude Oil Supply and Refining

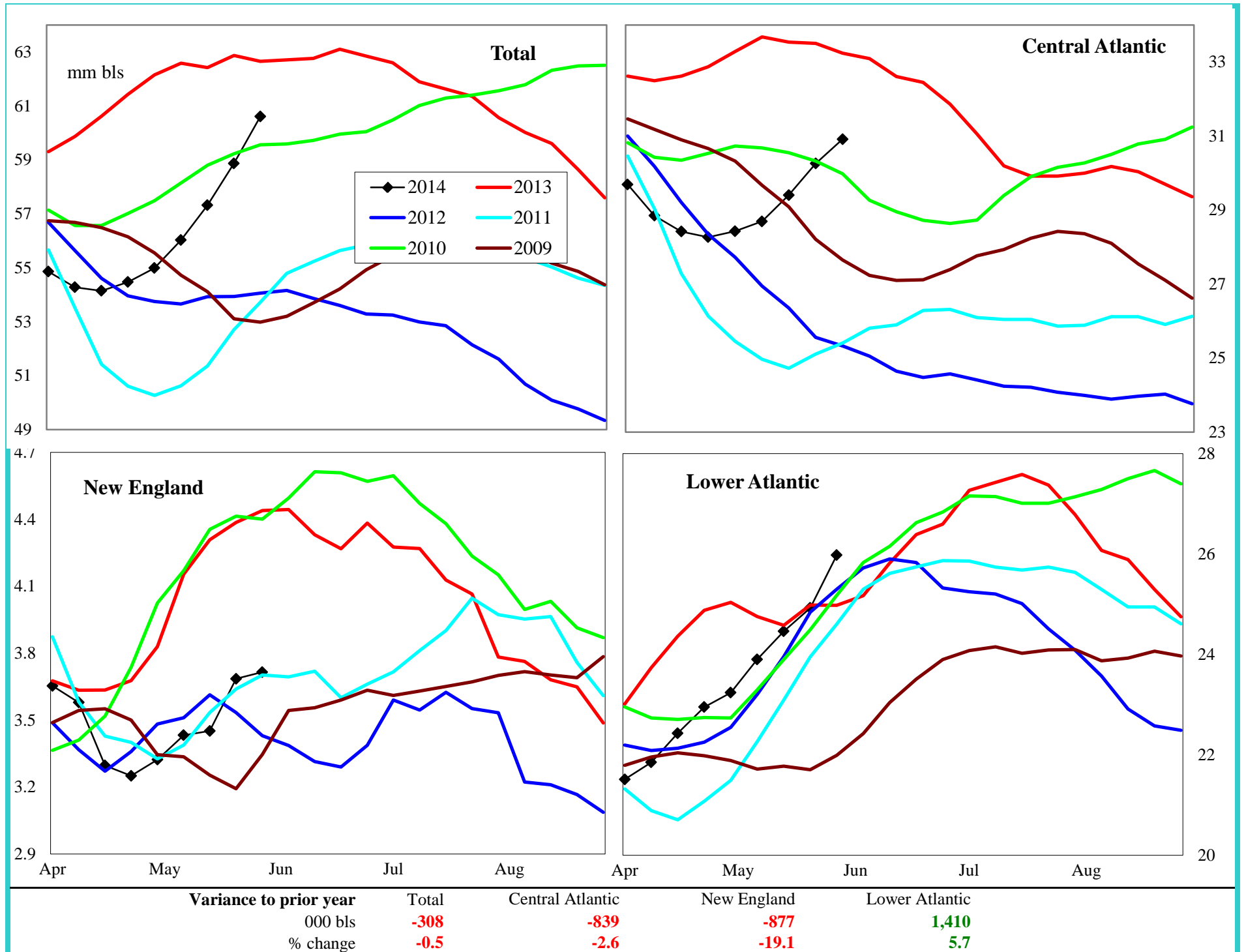




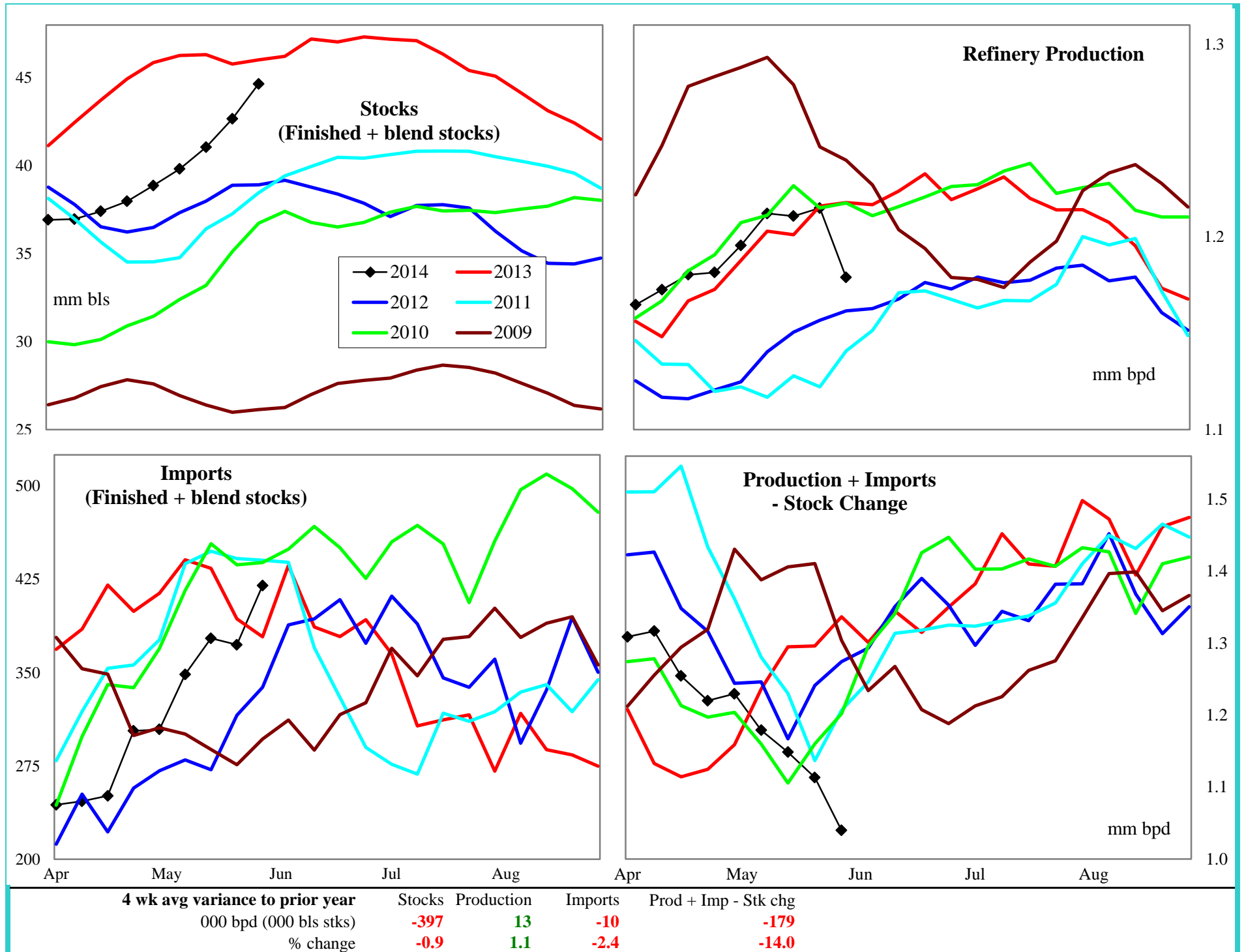
# PADD 1 Gasoline Supply



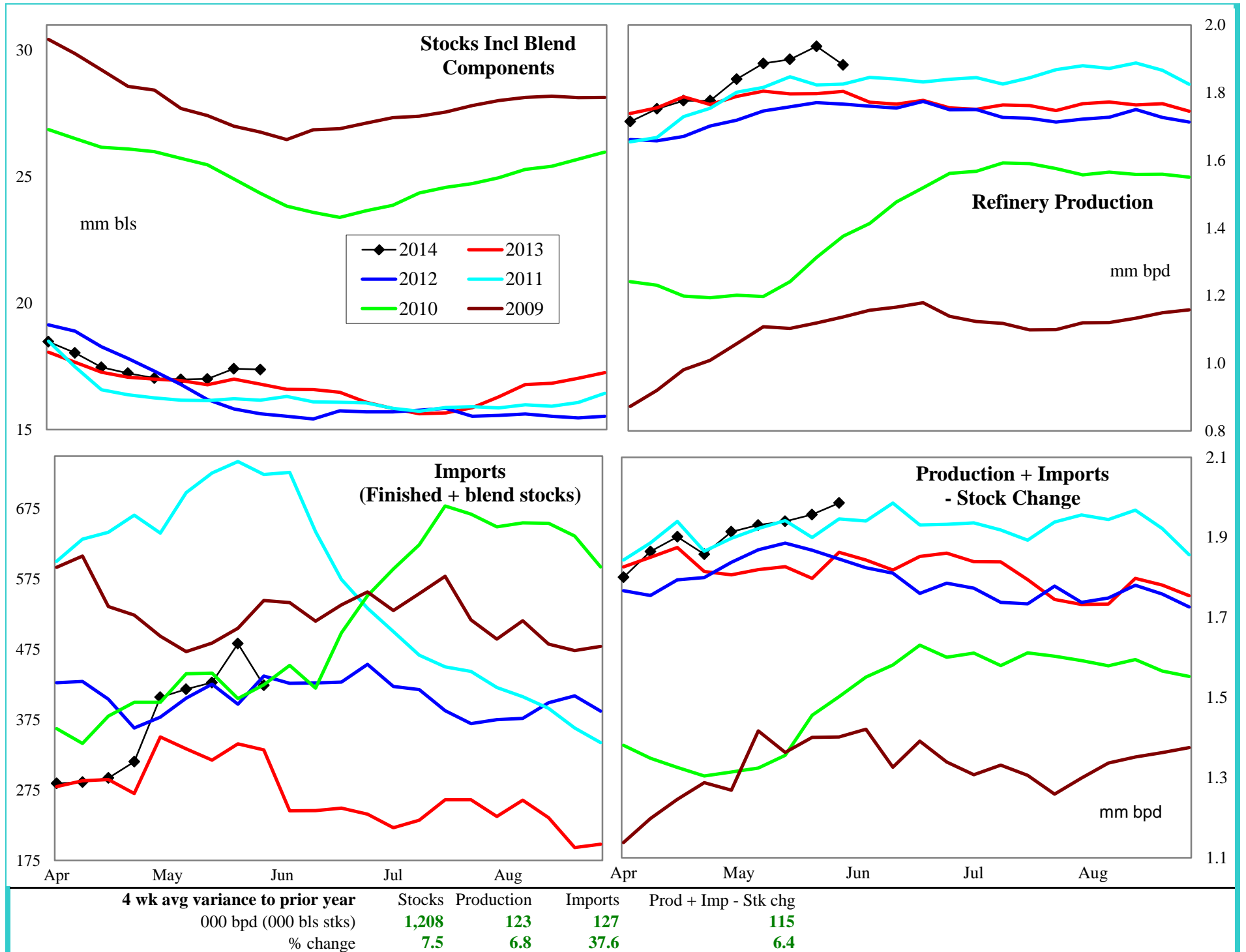
# PADD 1 Gasoline Stocks by Region



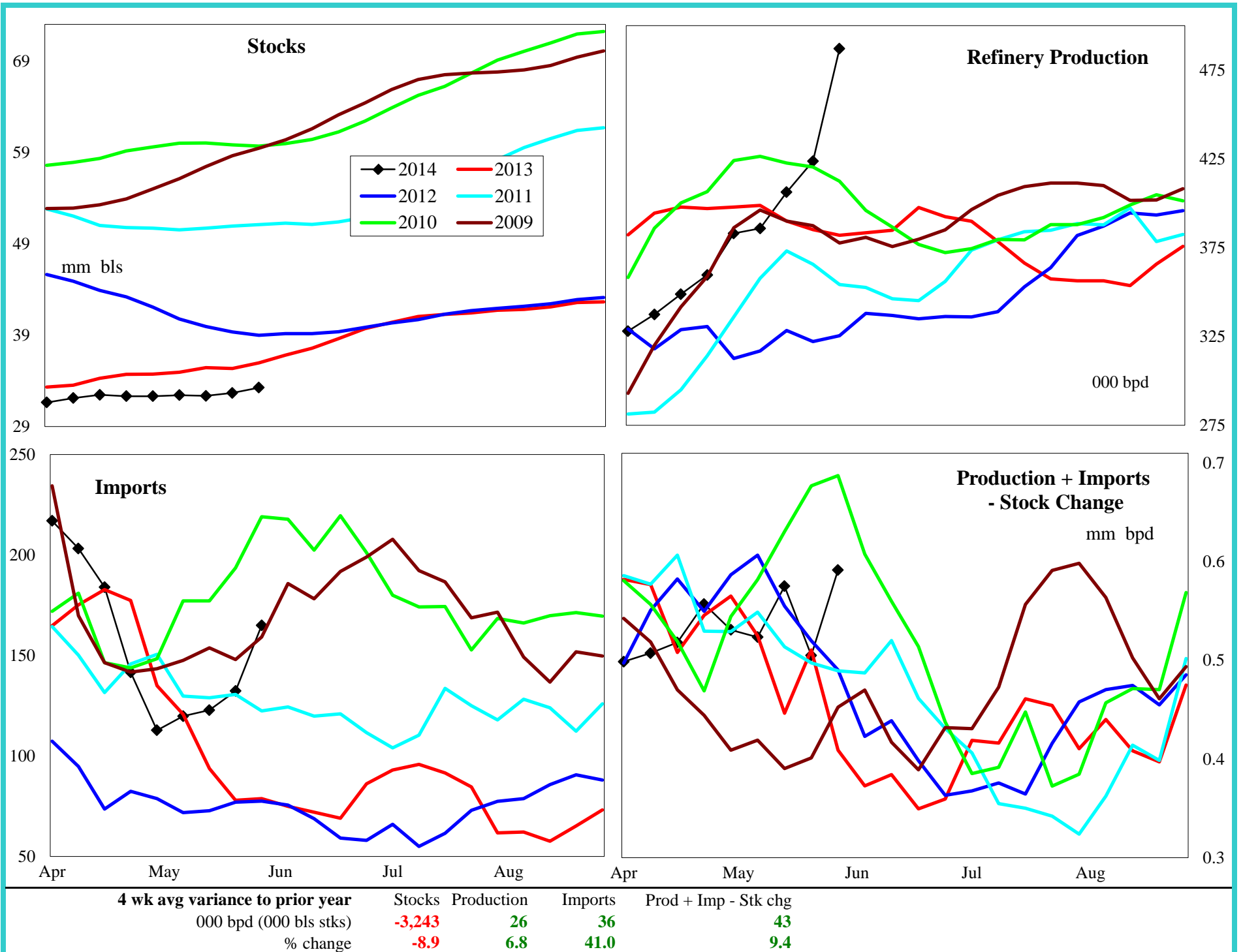
# PADD 1 Reformulated Gasoline Supply



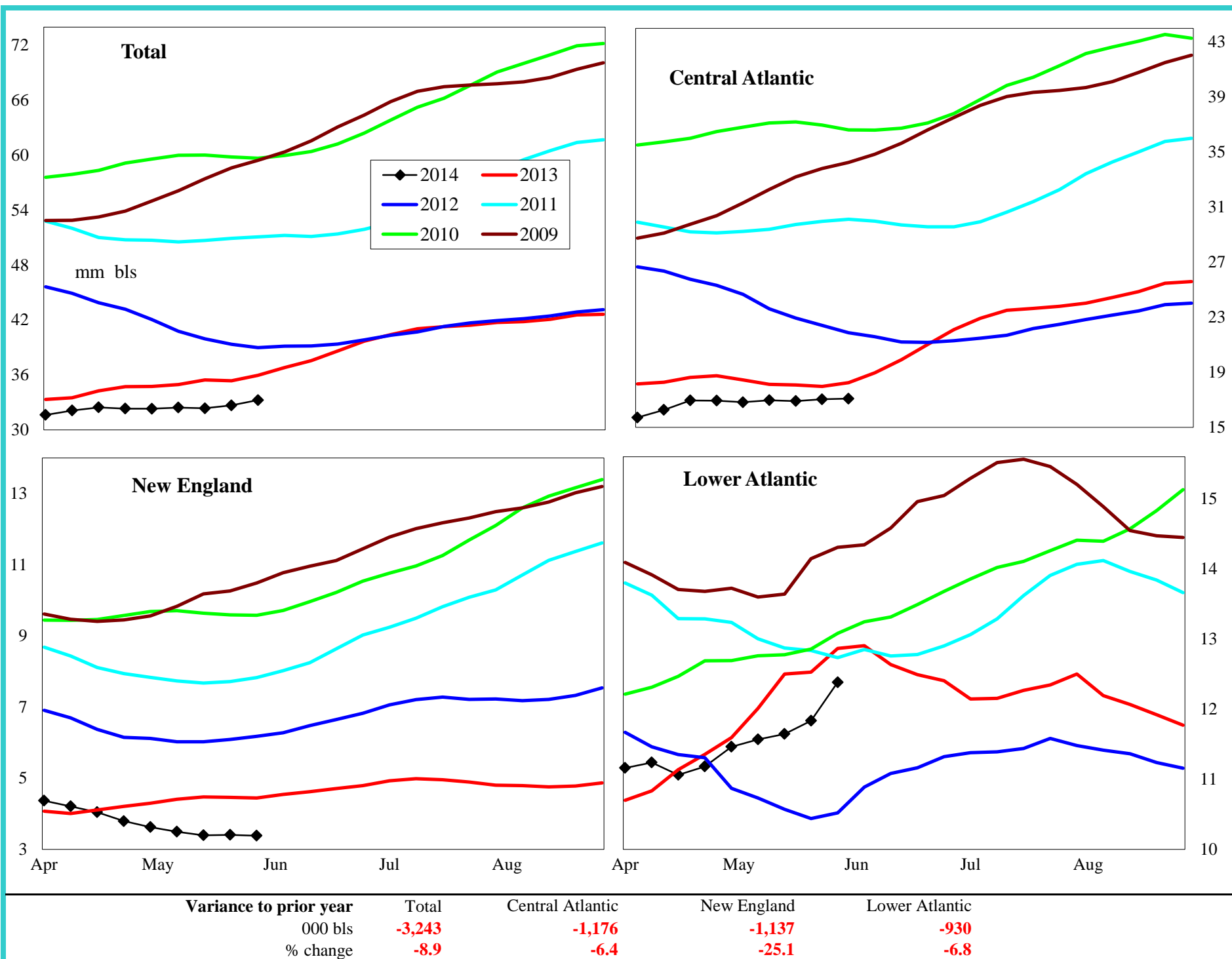
# PADD 1 Conventional Gasoline Supply



# PADD 1 Distillate Supply

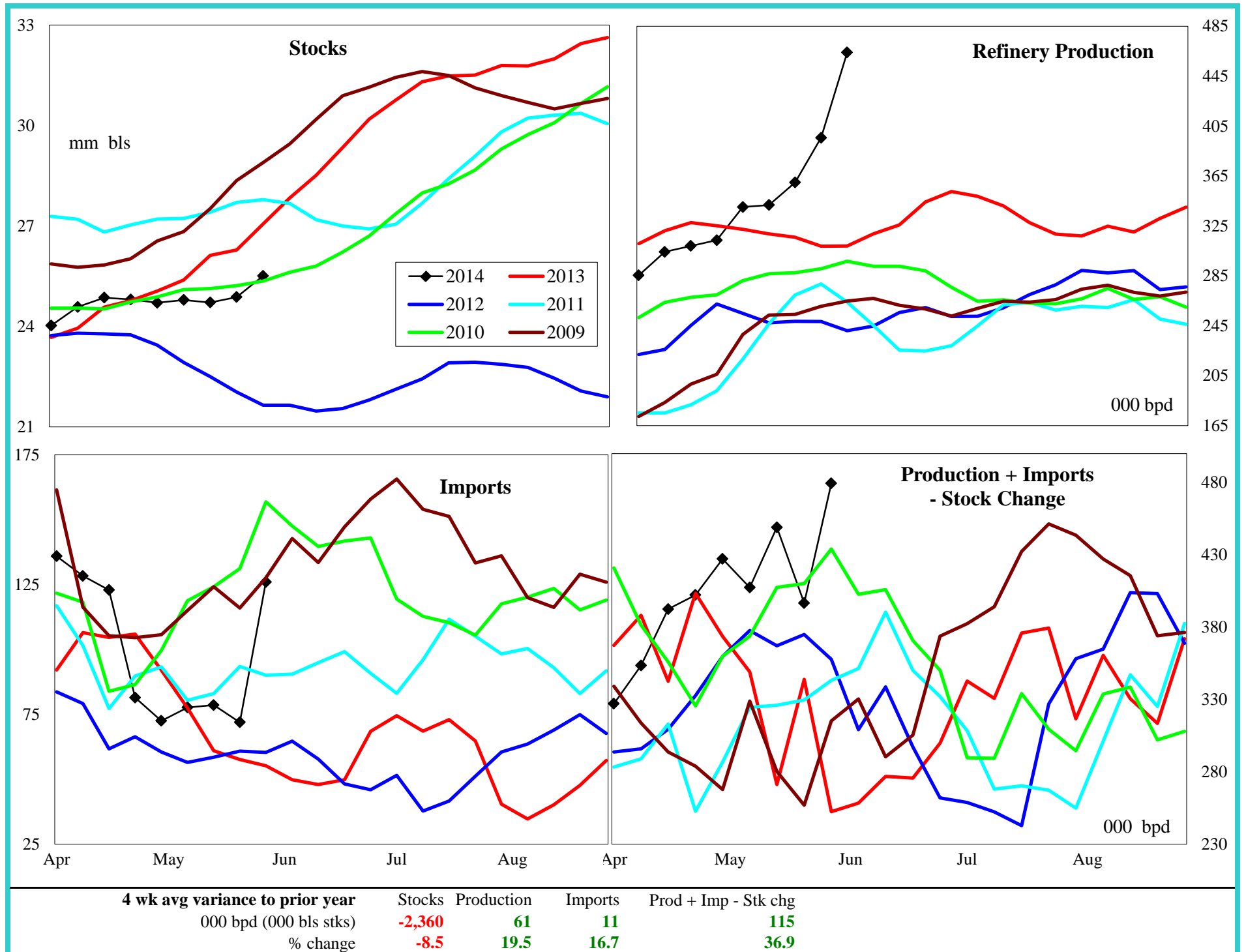


# PADD 1 Distillate Stocks by Region

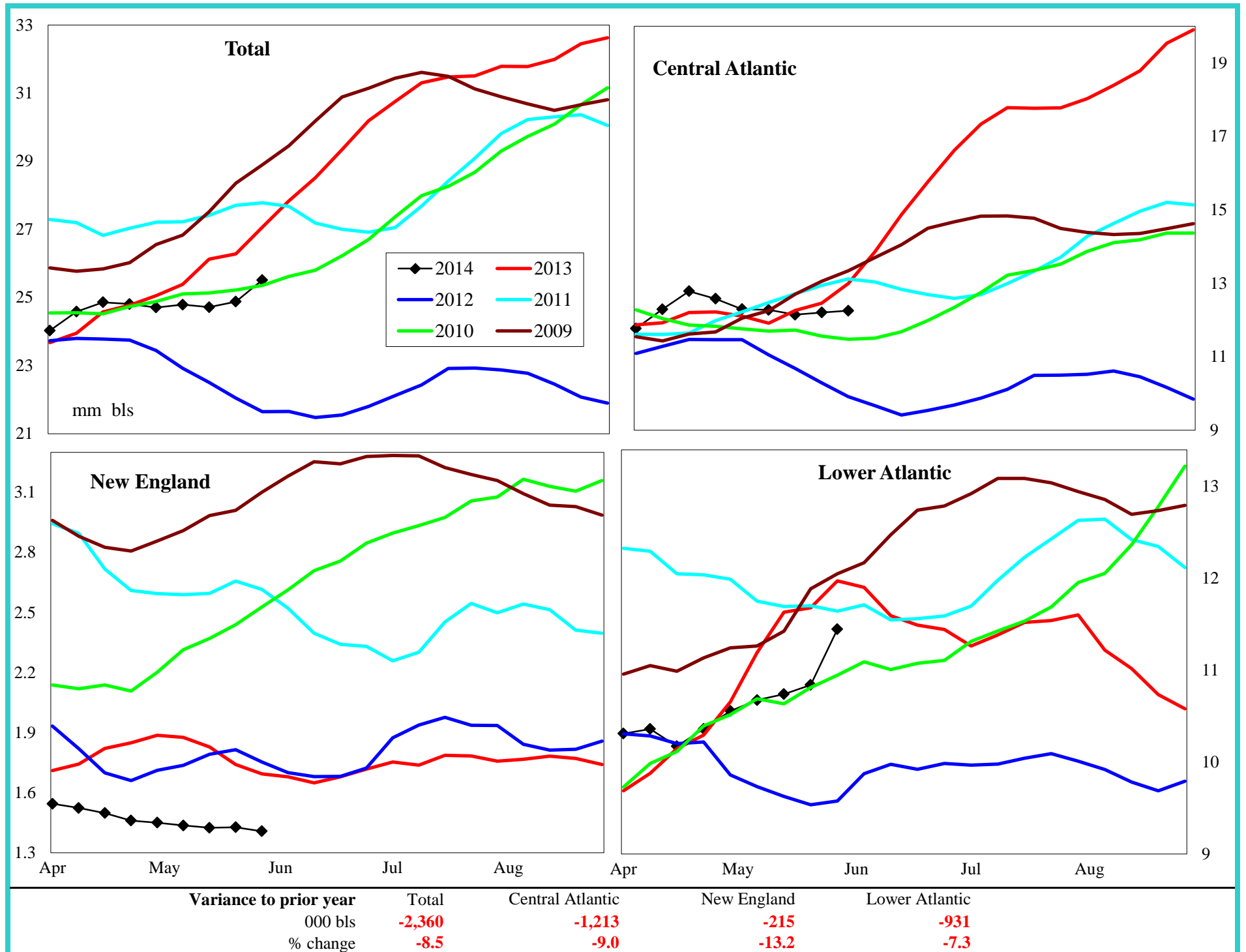




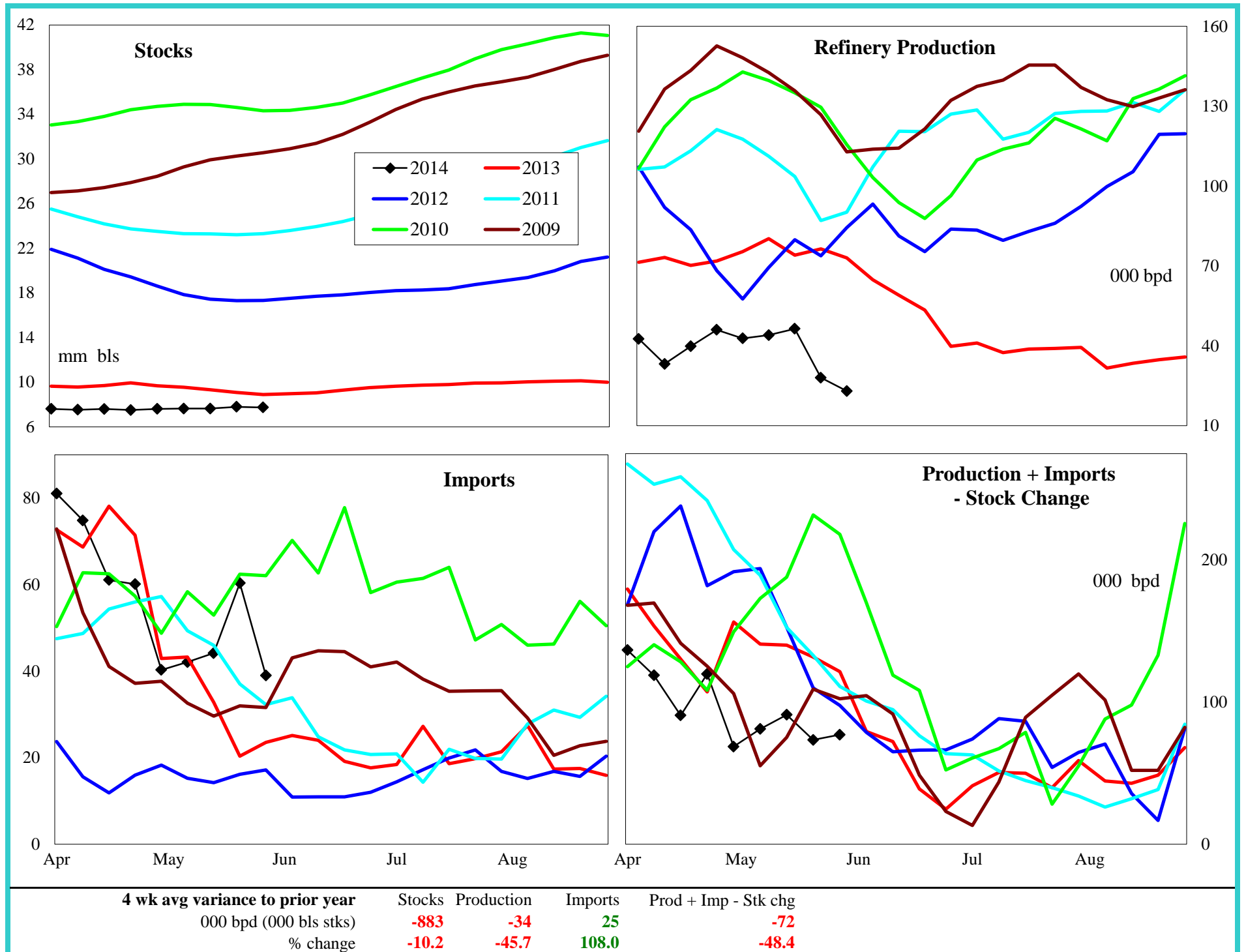
# PADD 1 Low Sulfur Distillate Supply



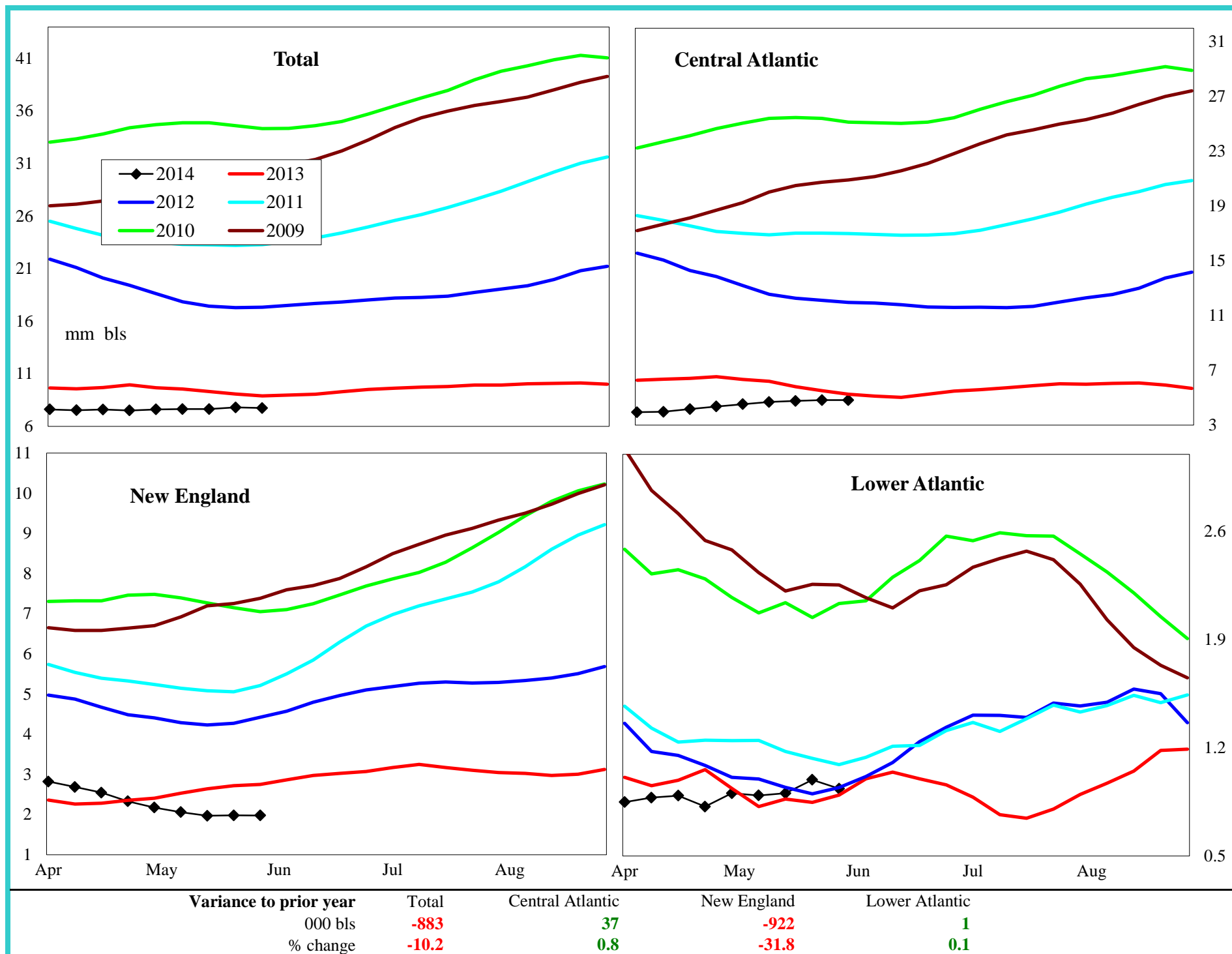
# PADD 1 Low Sulfur Distillate Stocks by Region



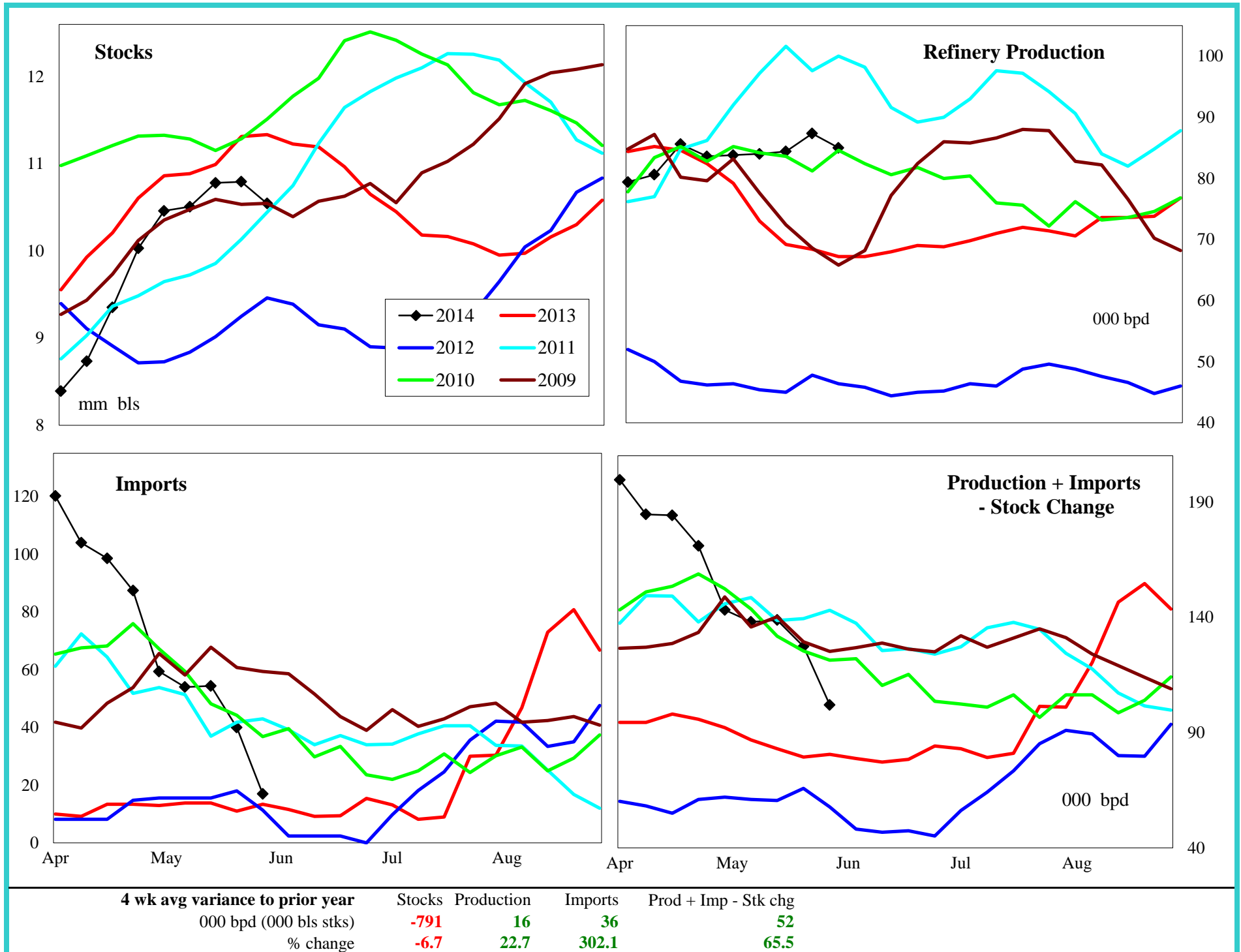
# PADD 1 High Sulfur Distillate Supply



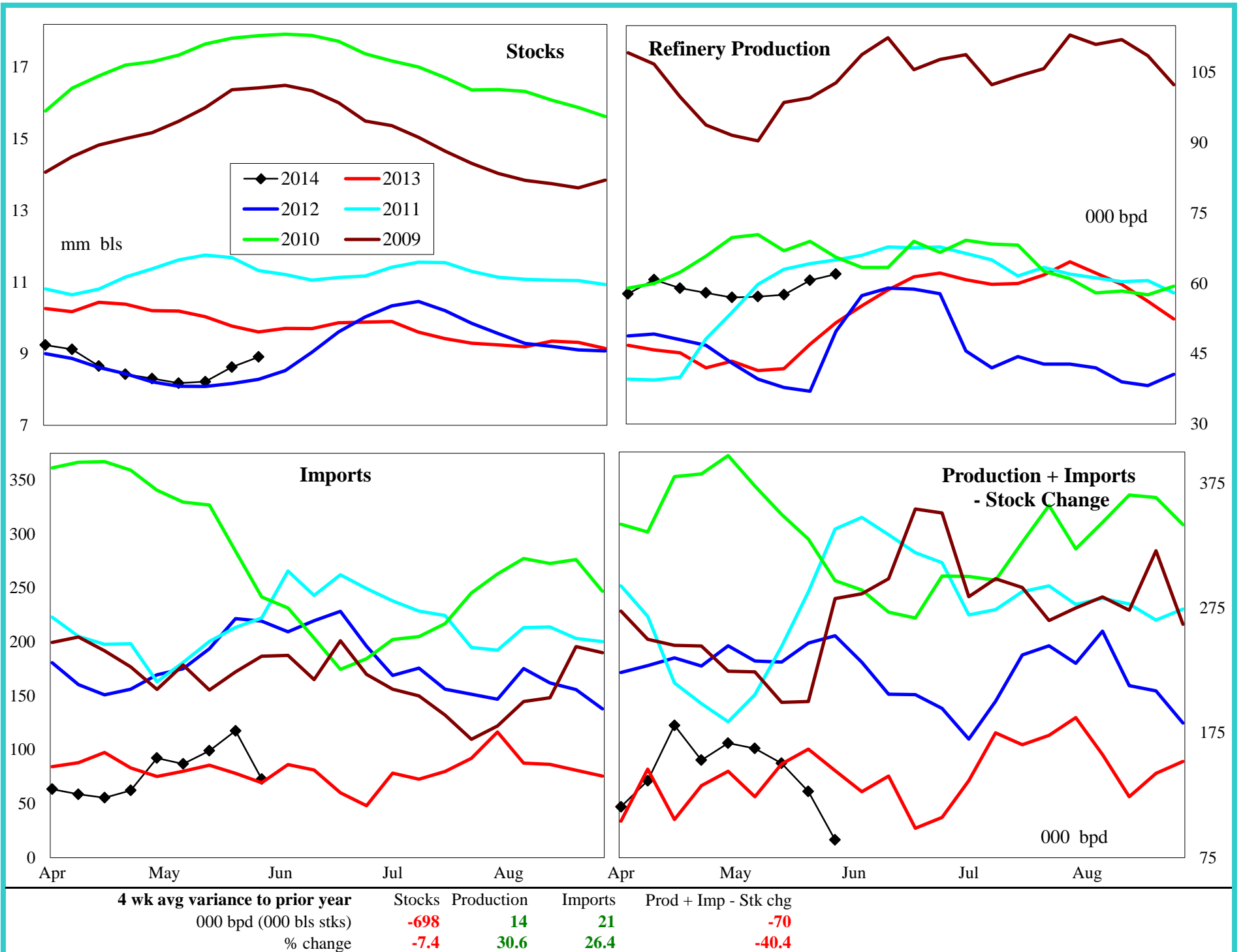
# PADD 1 High Sulfur Distillate Stocks by Region



# PADD 1 Jet Fuel Supply

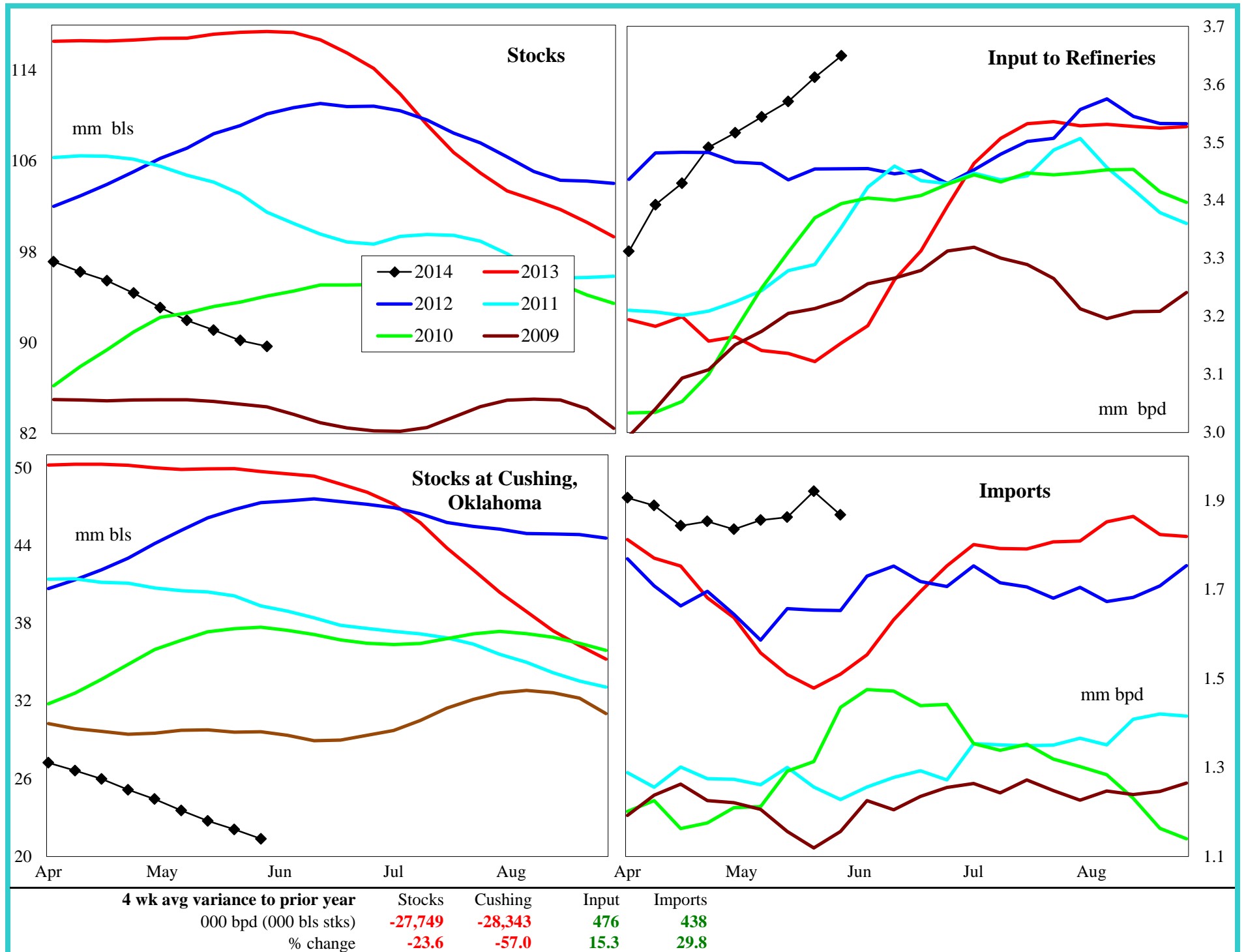


# PADD 1 Residual Fuel Oil Supply

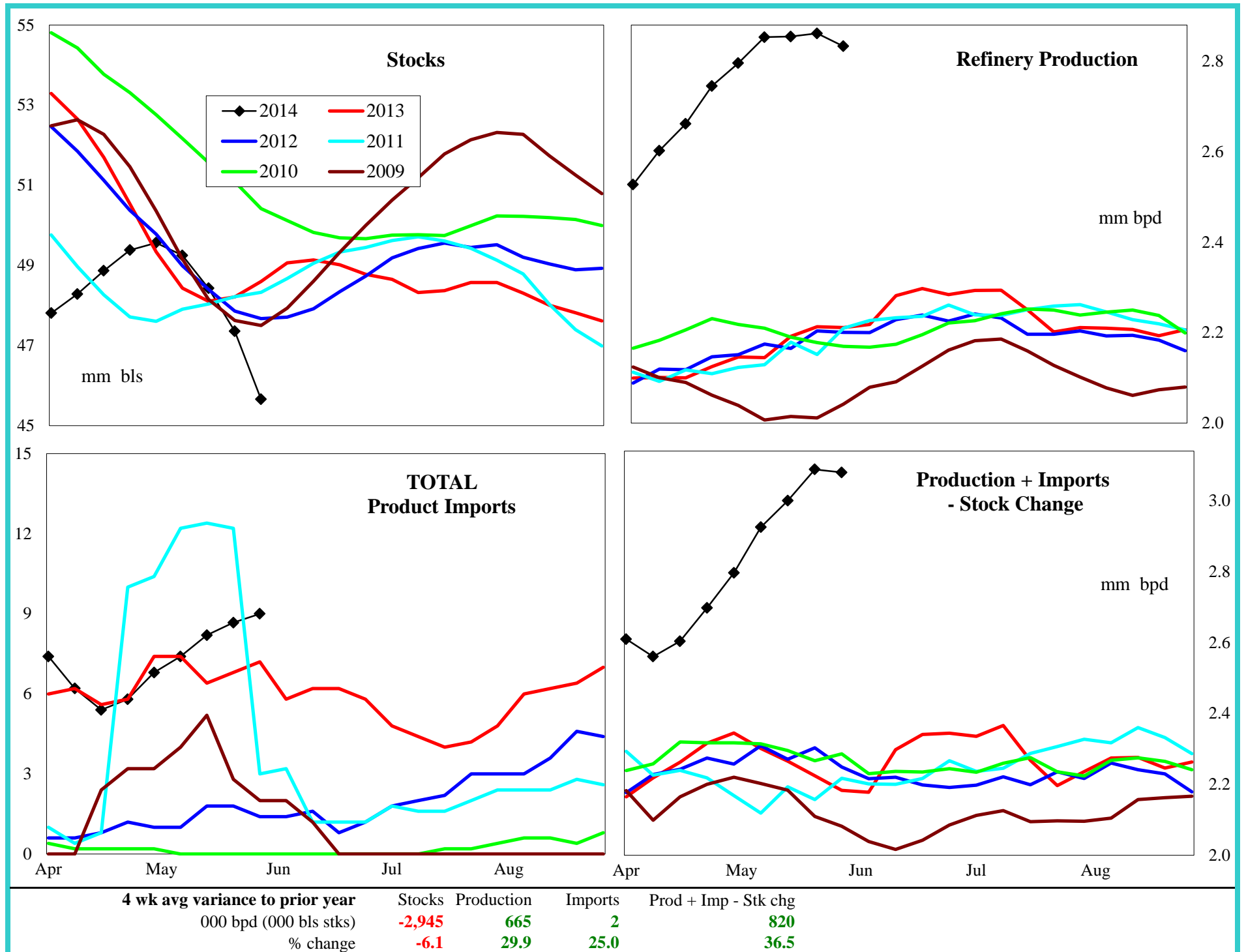




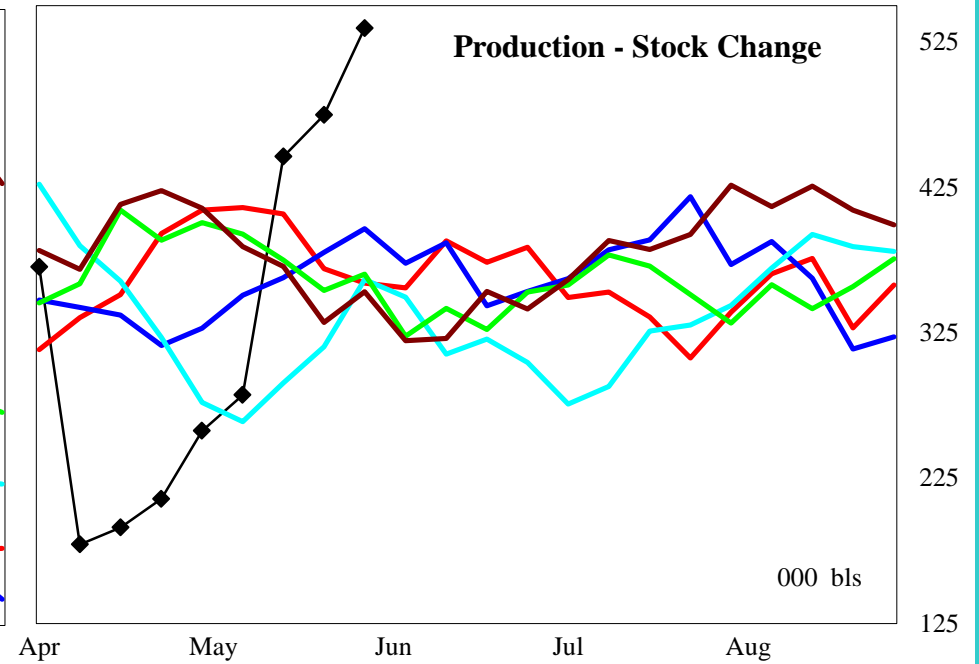
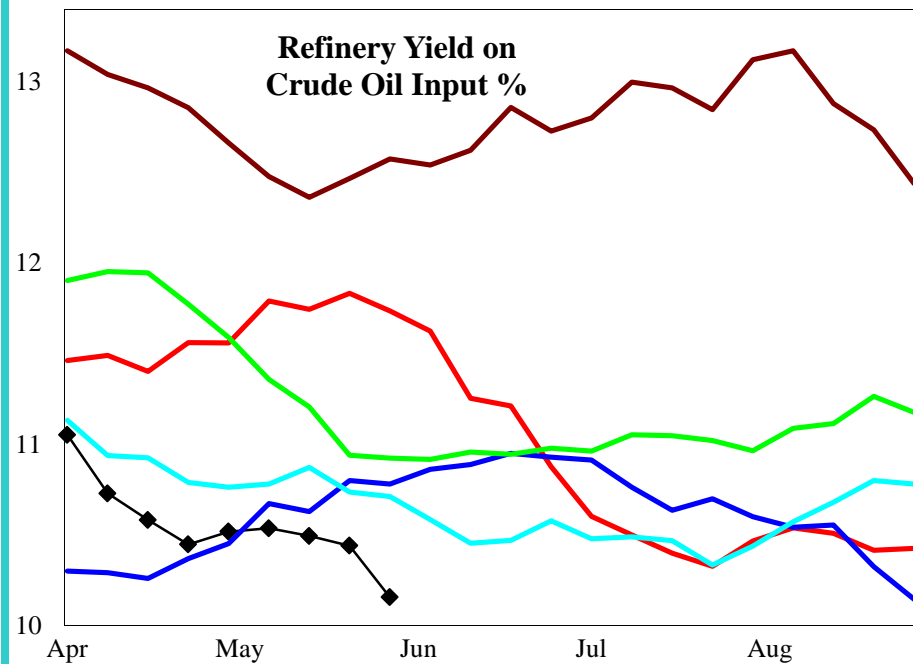
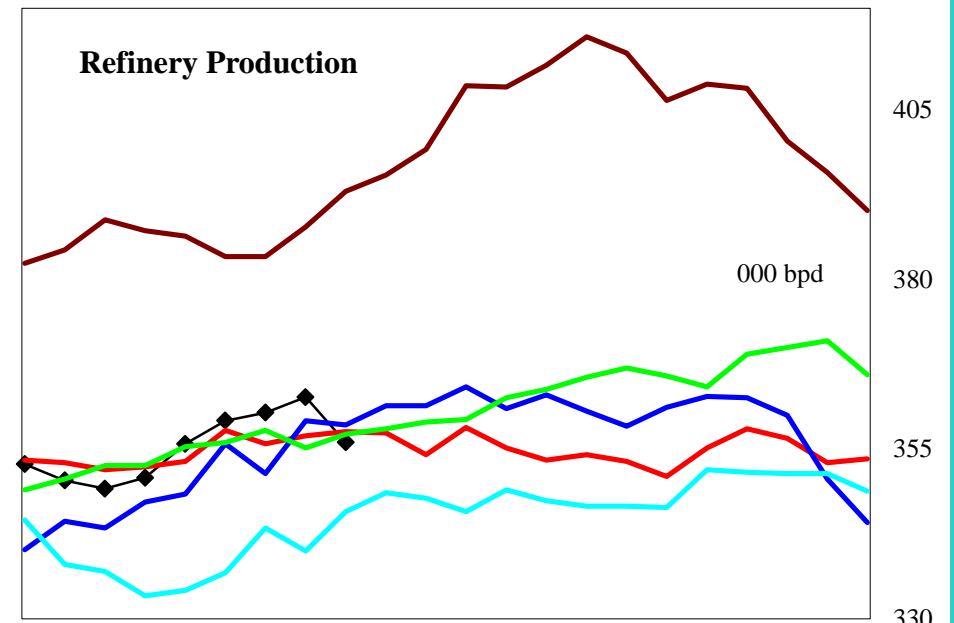
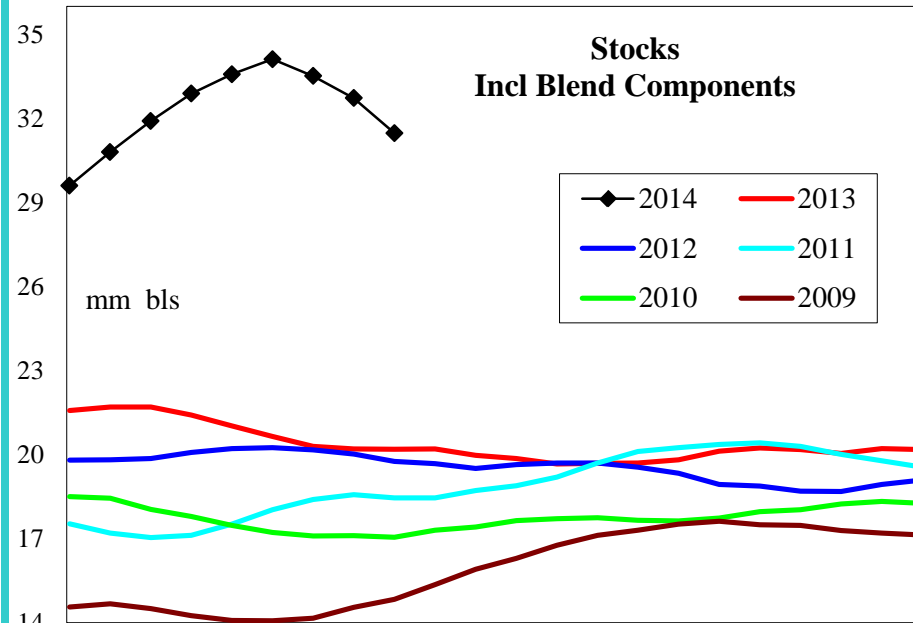
# PADD 2 Crude Oil Supply and Refining



## PADD 2 Gasoline Supply



# PADD 2 Reformulated Gasoline Supply



**4 wk avg variance to prior year**

000 bpd (000 bls stks)

% change

Stocks

Production

11,279

3

55.8

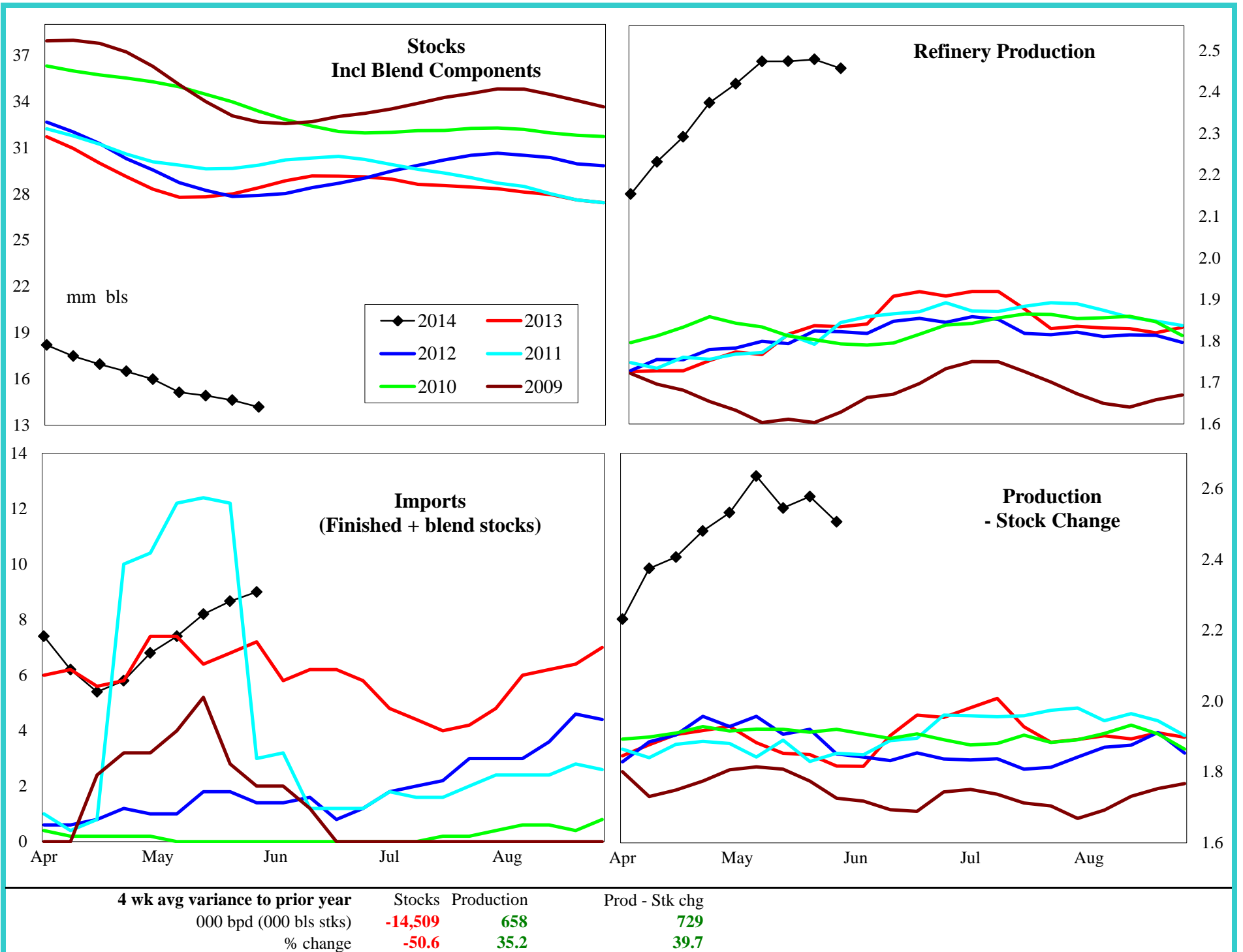
0.7

Prod - Stk chg

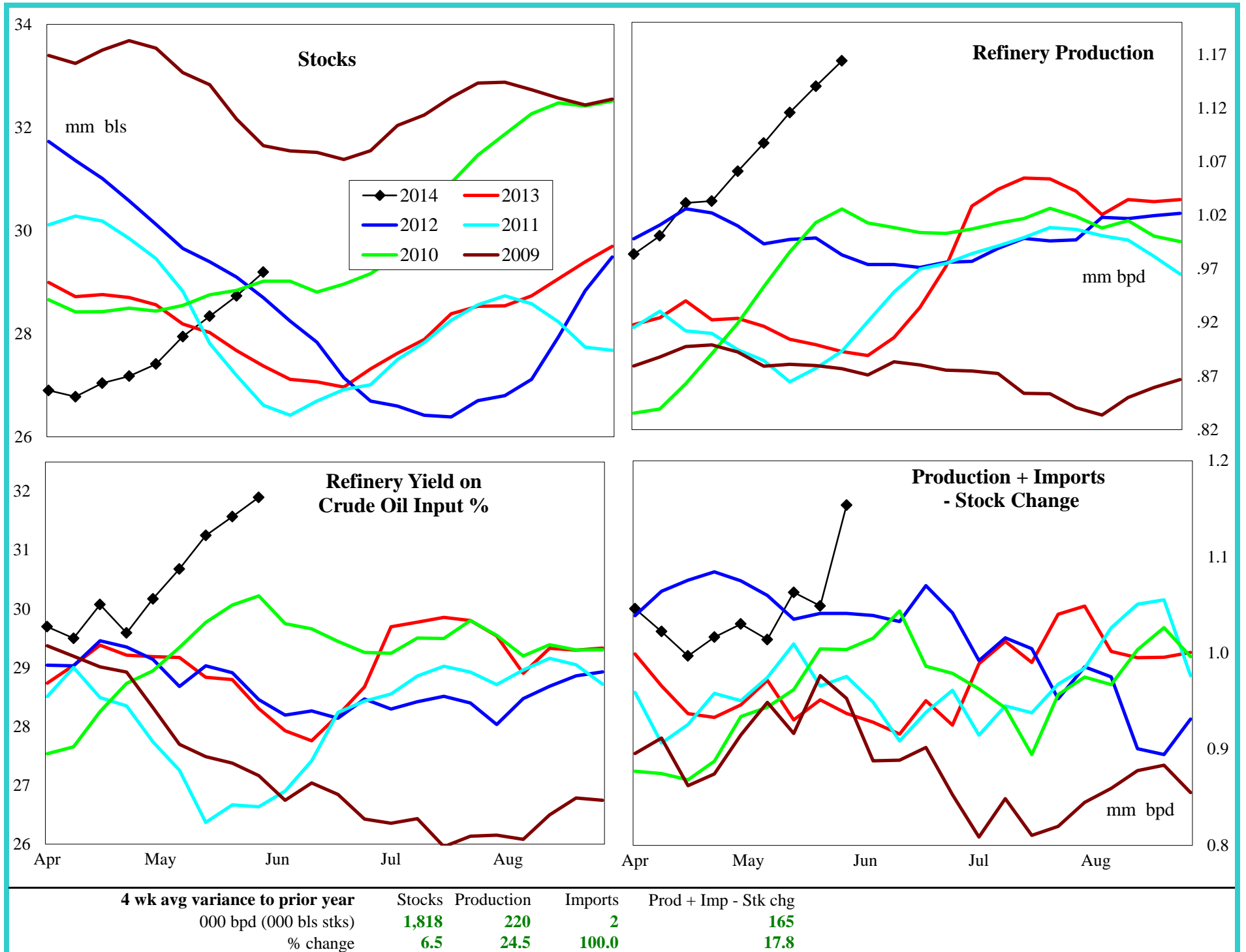
48

12.4

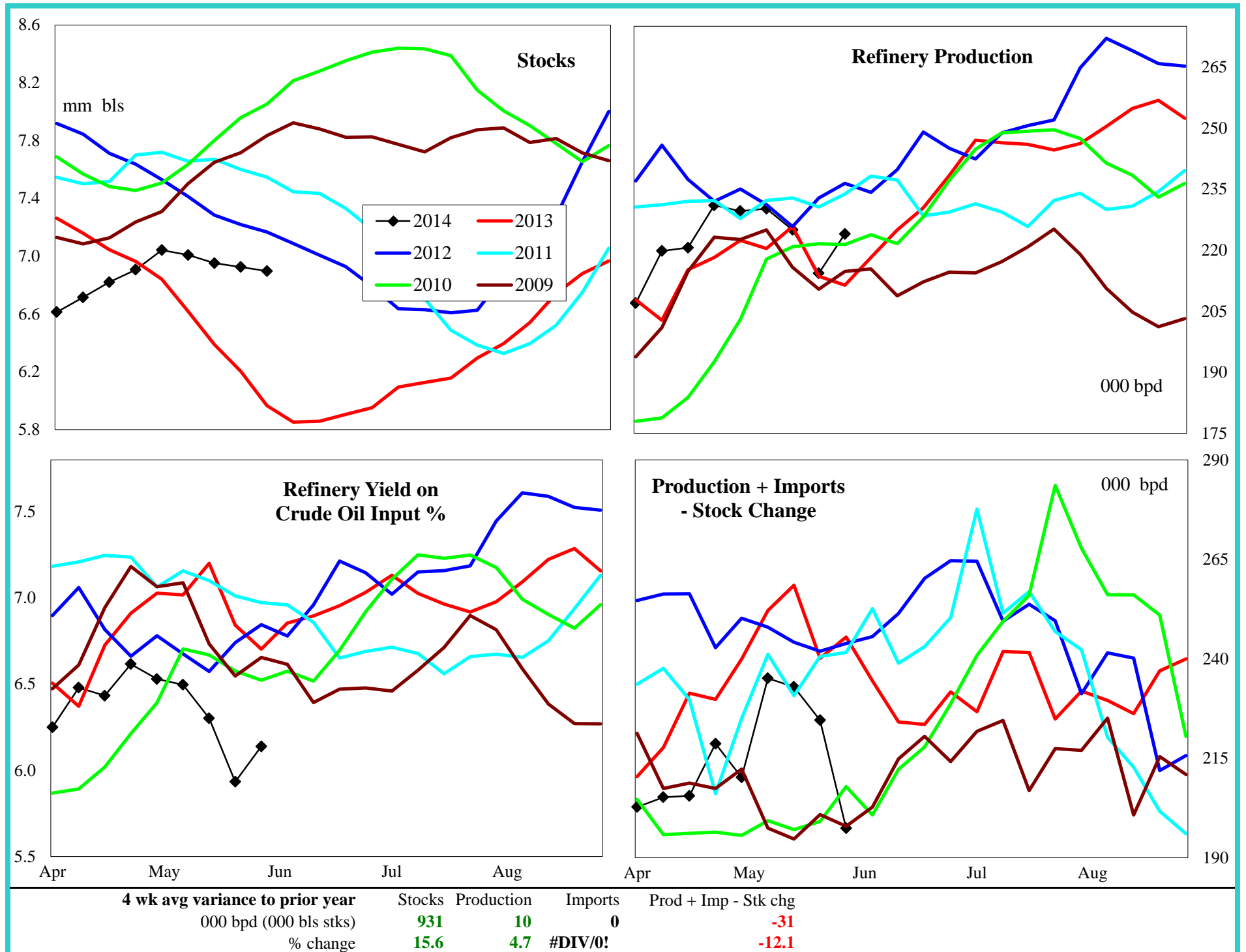
# PADD 2 Conventional Gasoline Supply



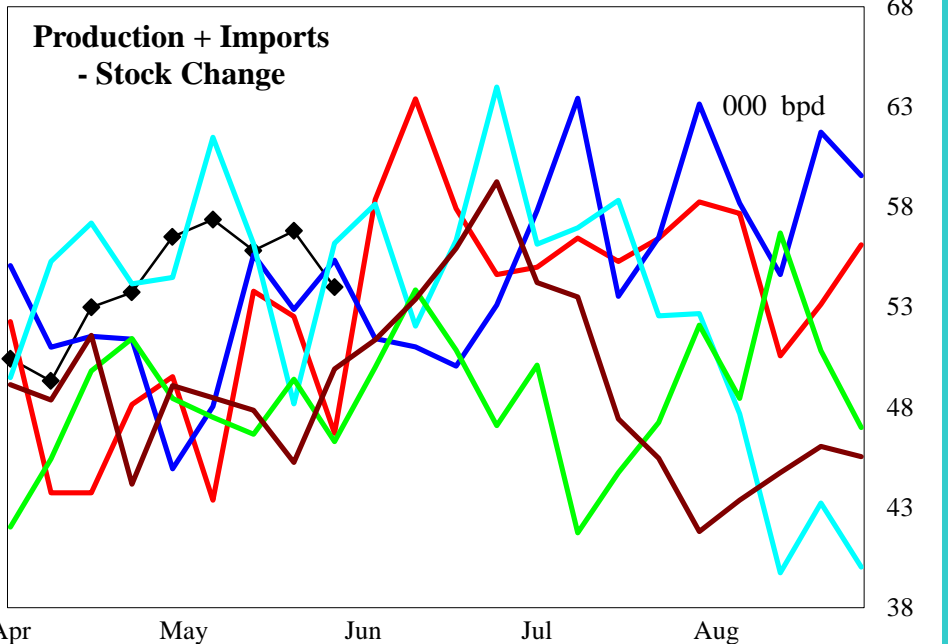
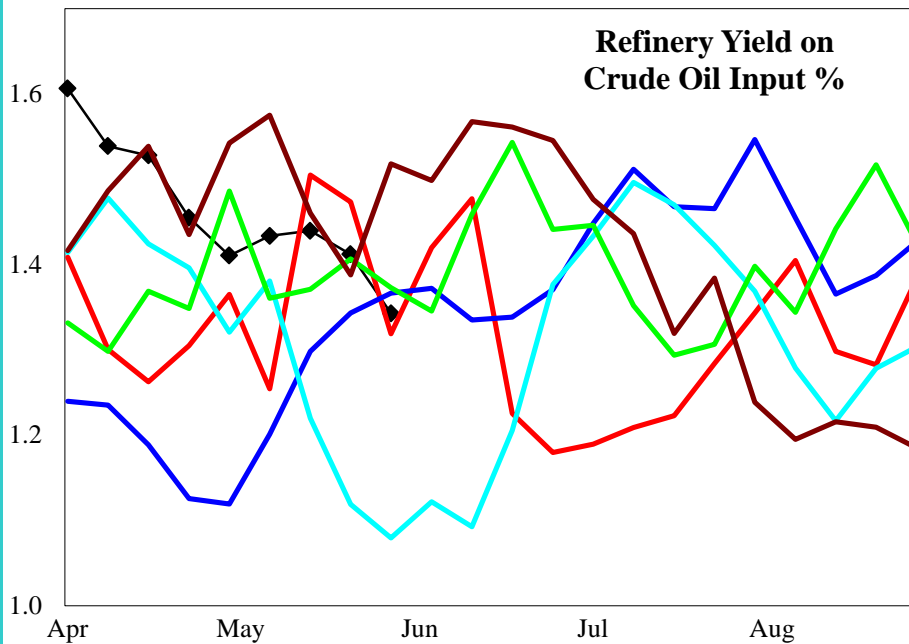
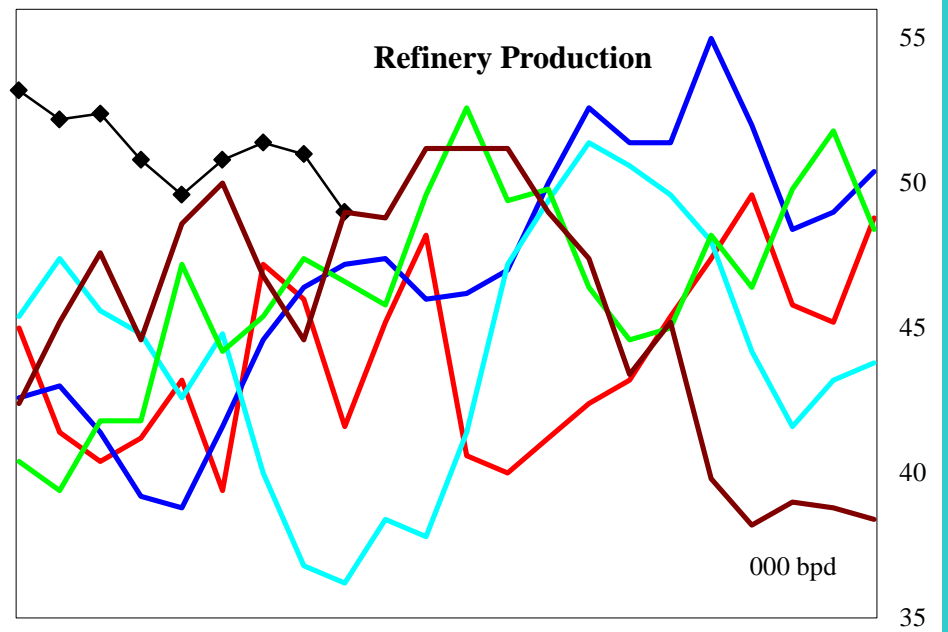
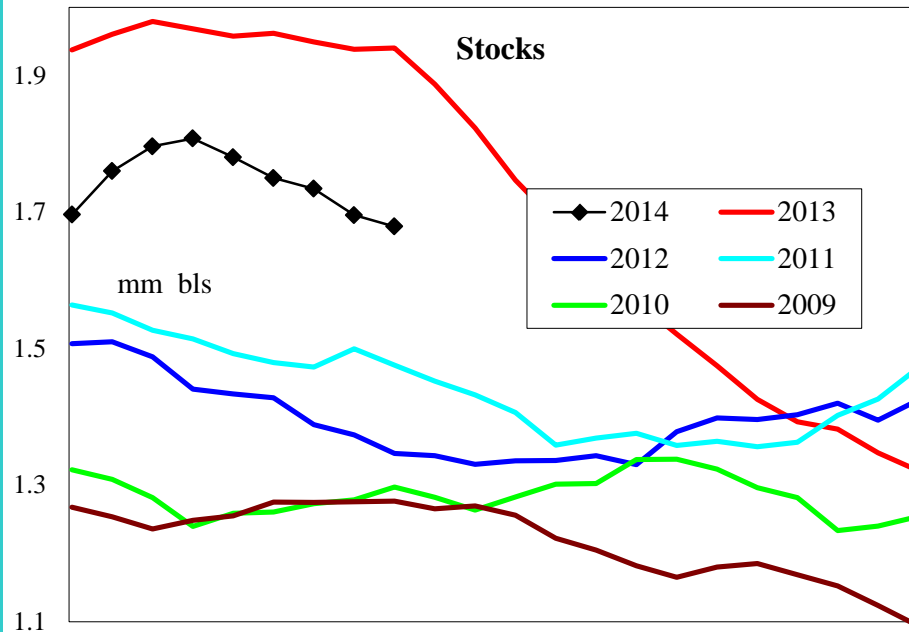
## PADD 2 Distillate Supply



## PADD 2 Jet Fuel Supply



# PADD 2 Residual Fuel Oil Supply



**4 wk avg variance to prior year**

000 bpd (000 bbls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

-262

6

-3

8

-13.5

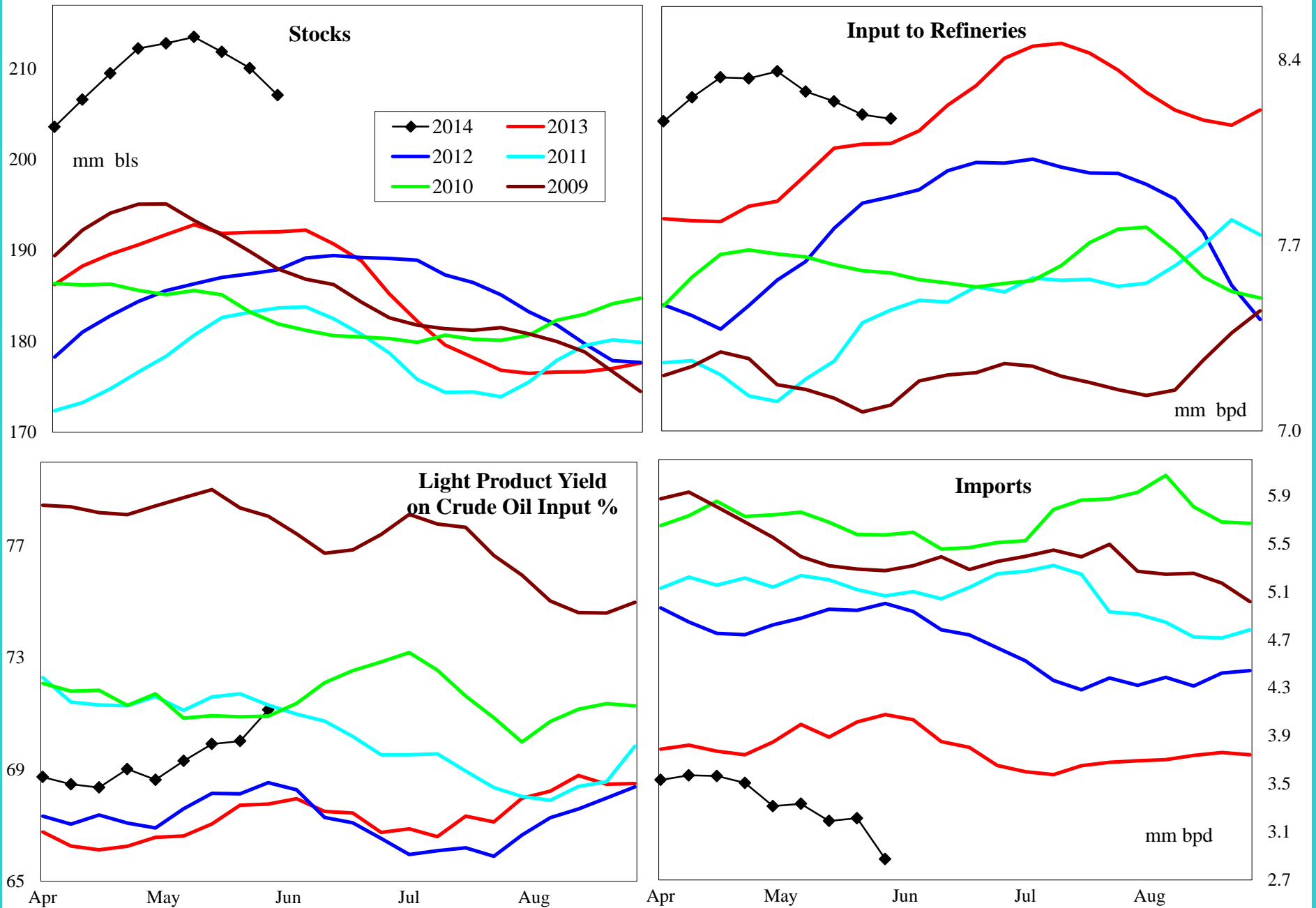
11.7

-61.1

14.7



# PADD 3 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

15,020

7.8

Input

94

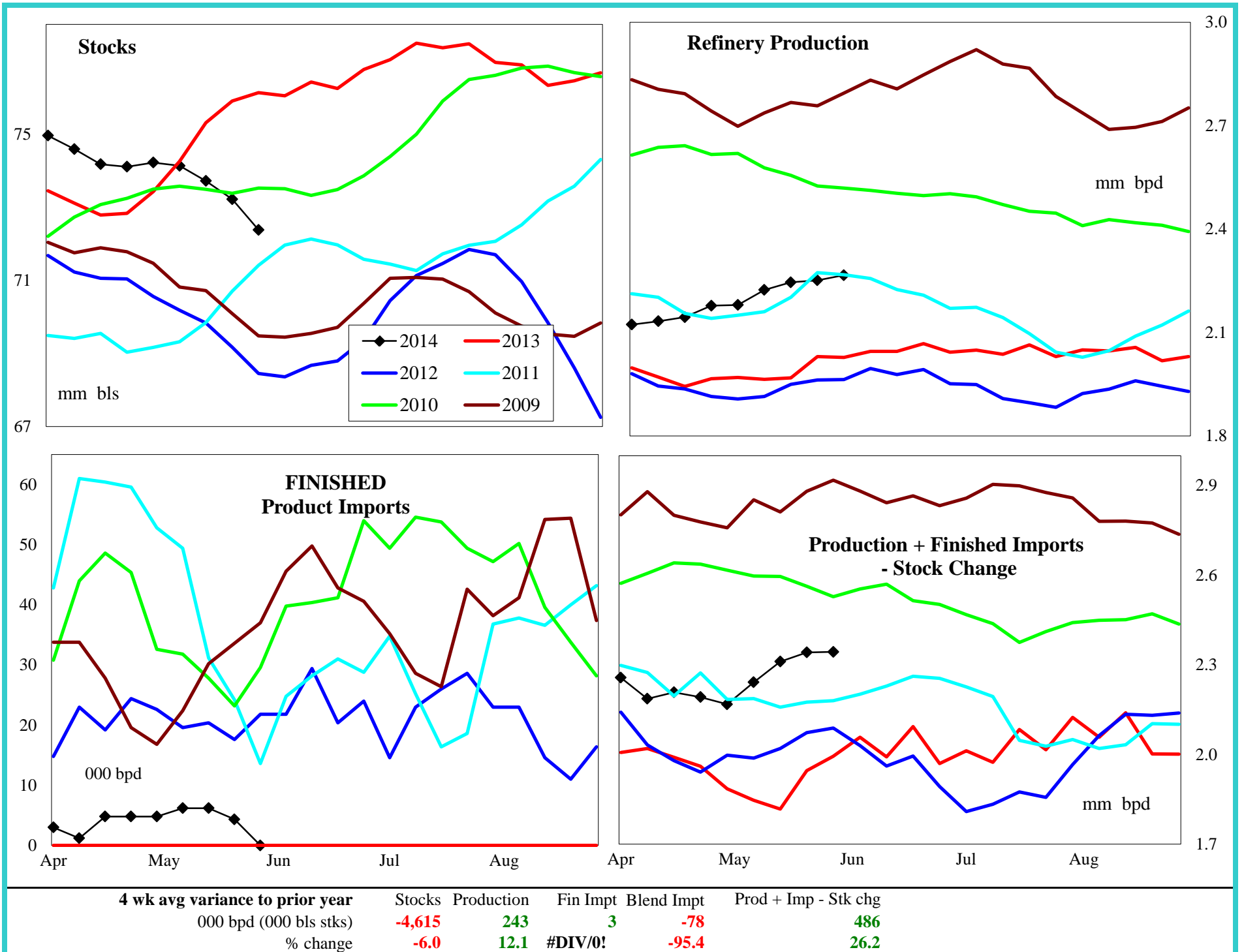
1.2

Imports

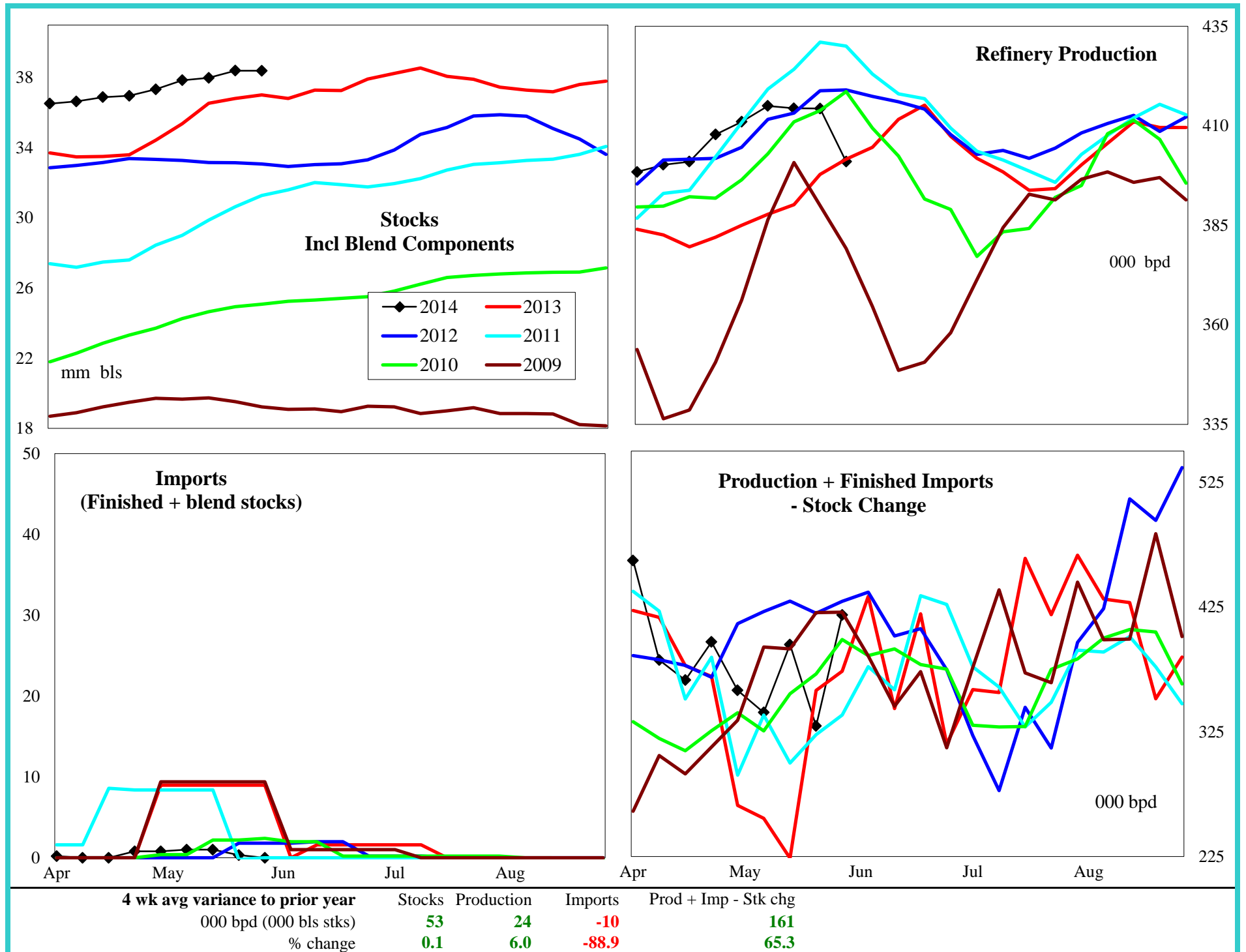
-691

-17.5

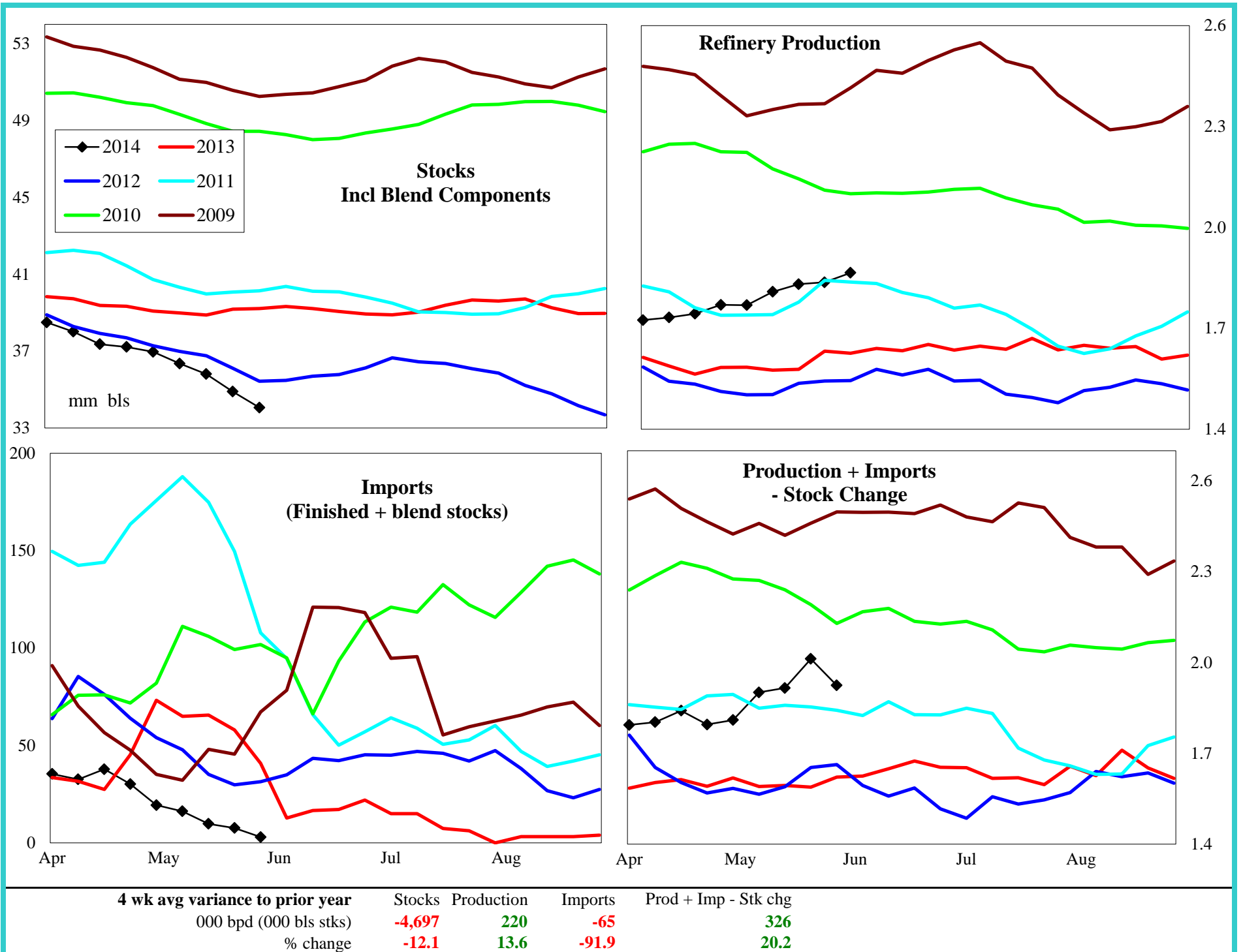
## PADD 3 Gasoline Supply



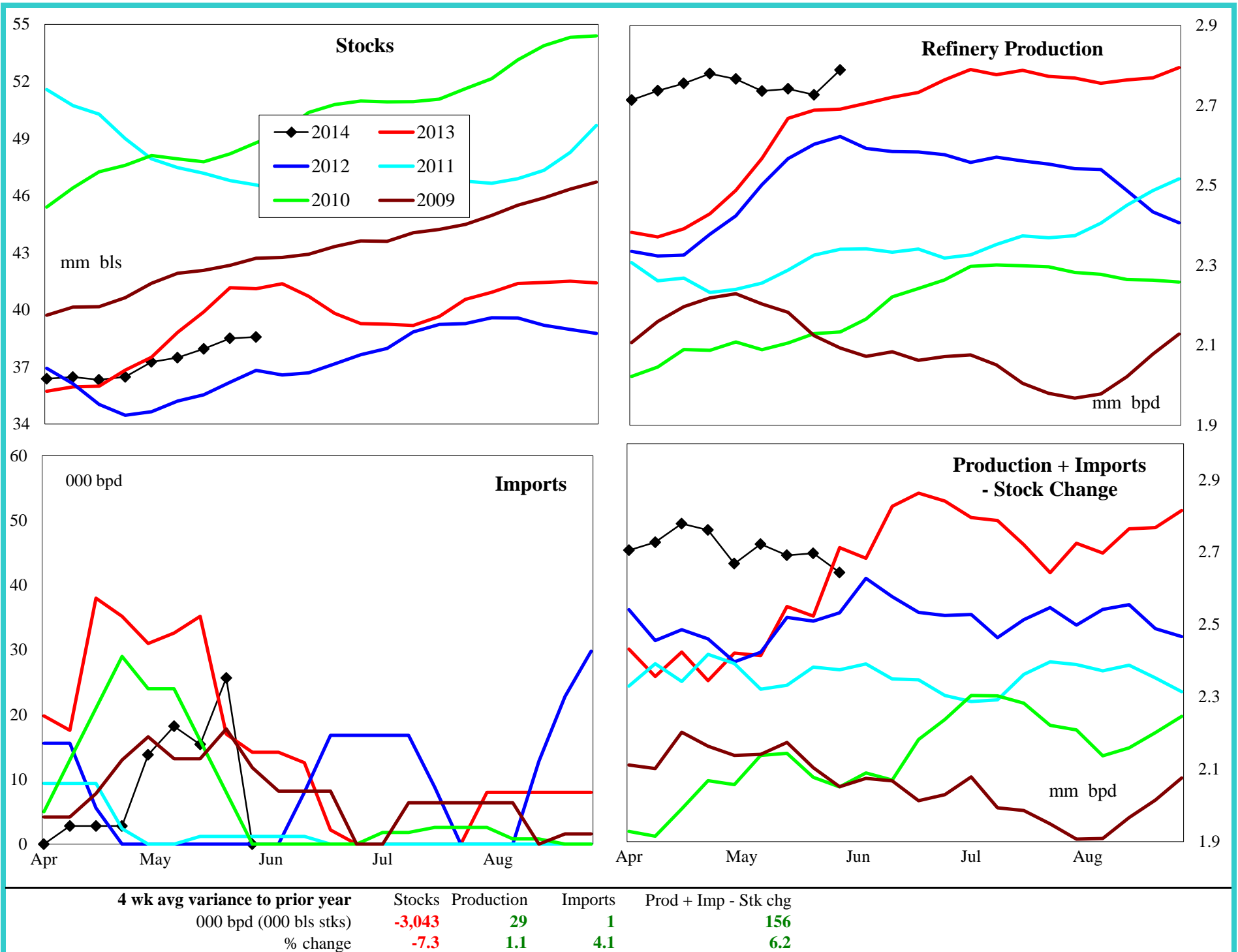
# PADD 3 Reformulated Gasoline Supply



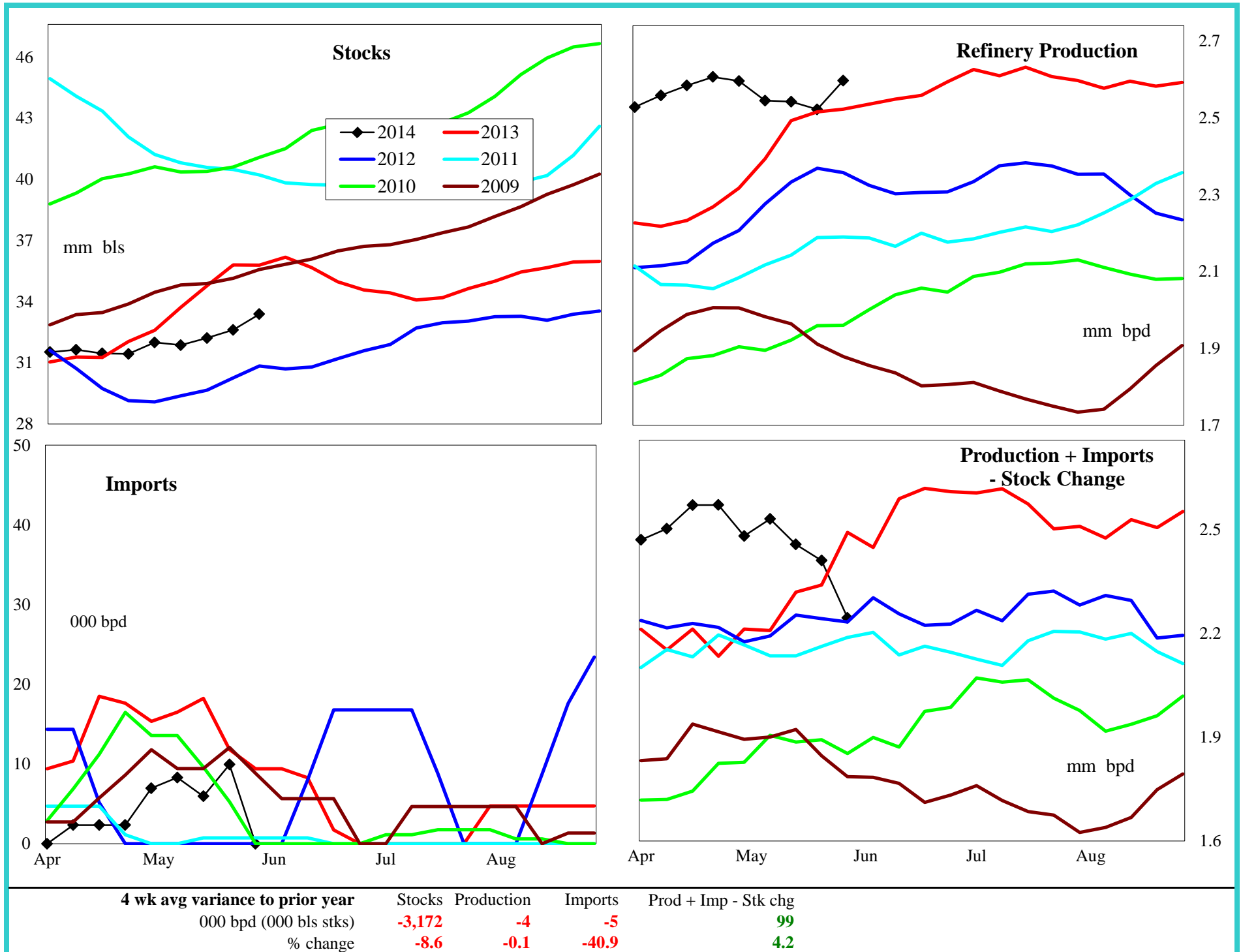
# PADD 3 Conventional Gasoline Supply



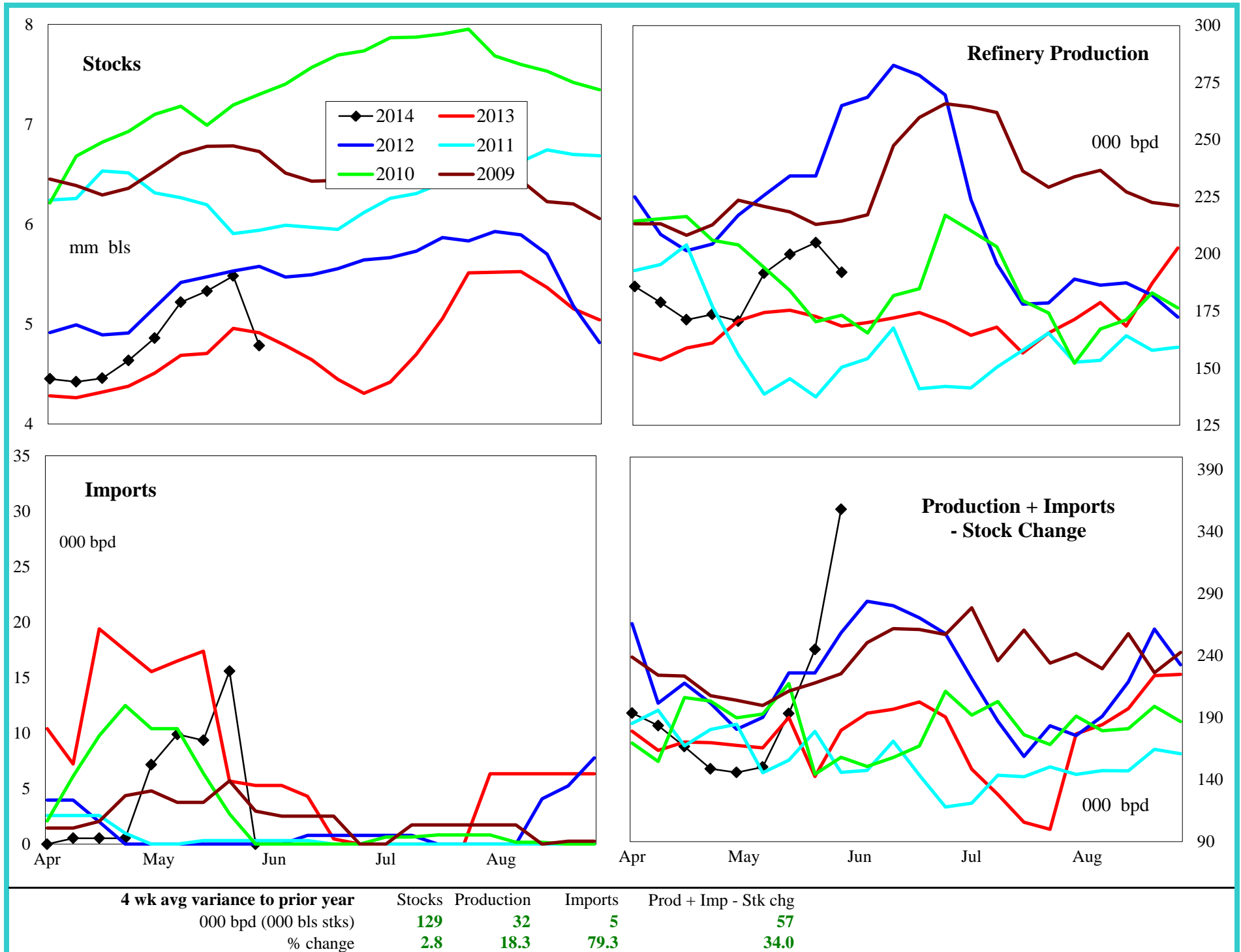
# PADD 3 Distillate Supply



# PADD 3 Low Sulfur Distillate Supply

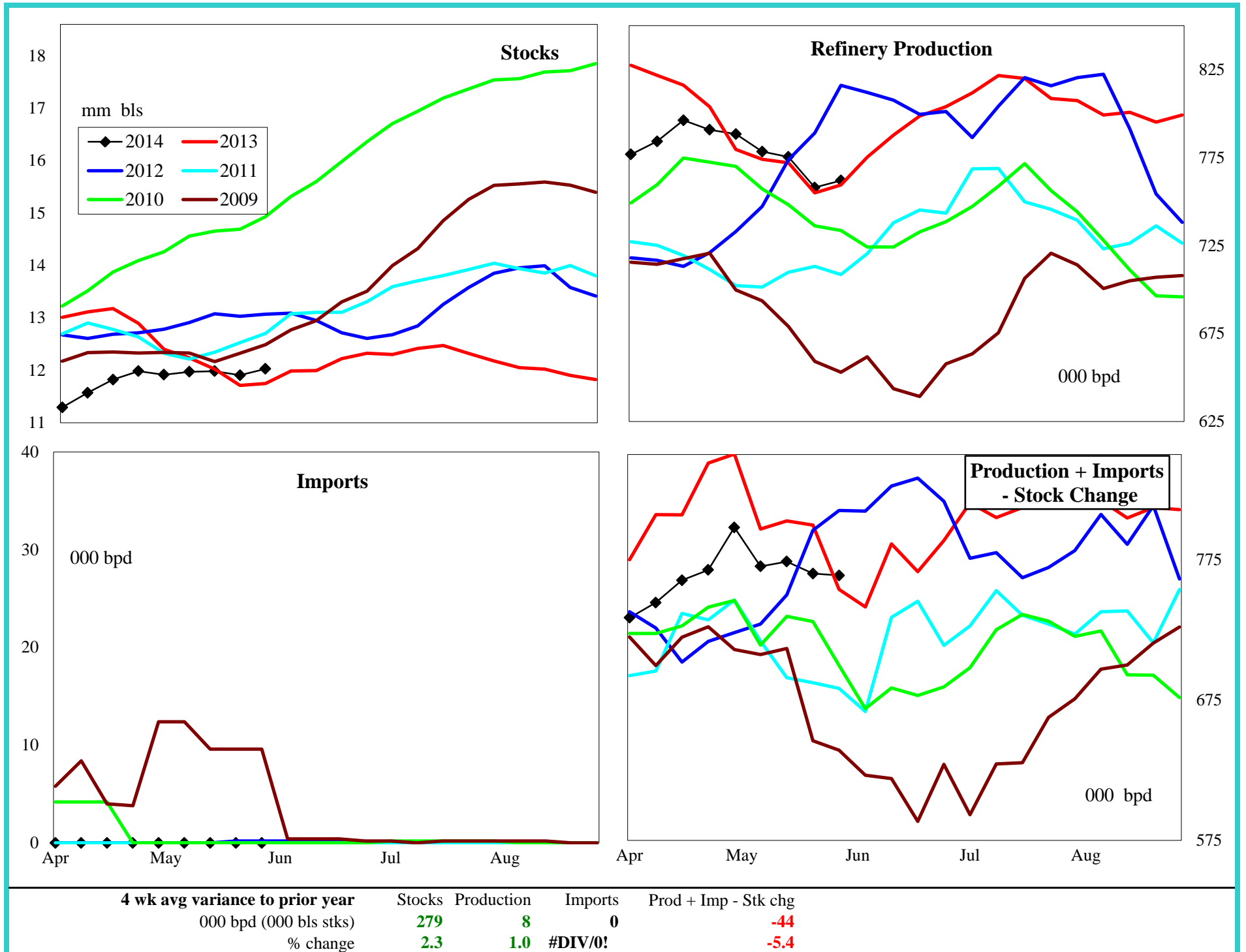


# PADD 3 High Sulfur Distillate Supply

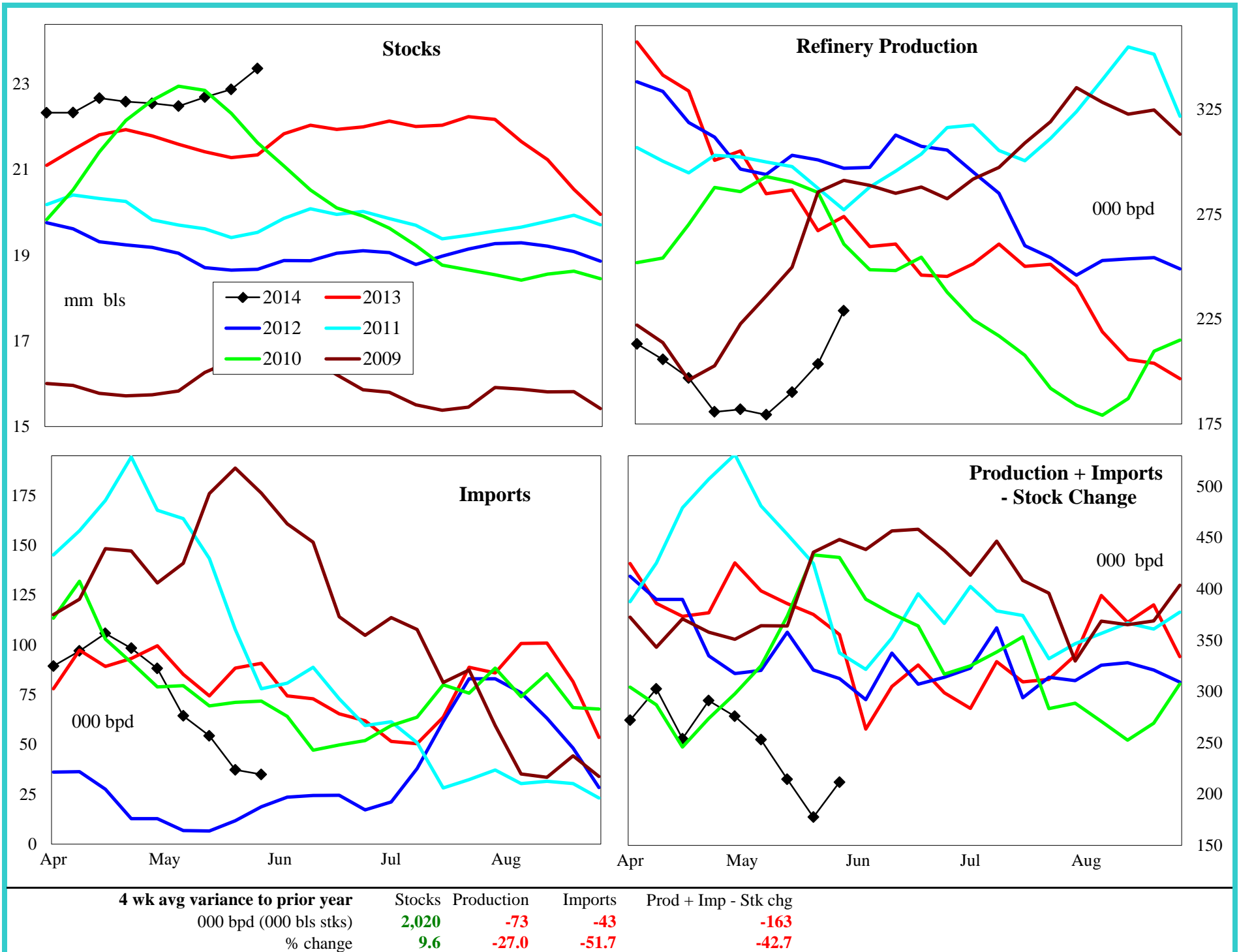




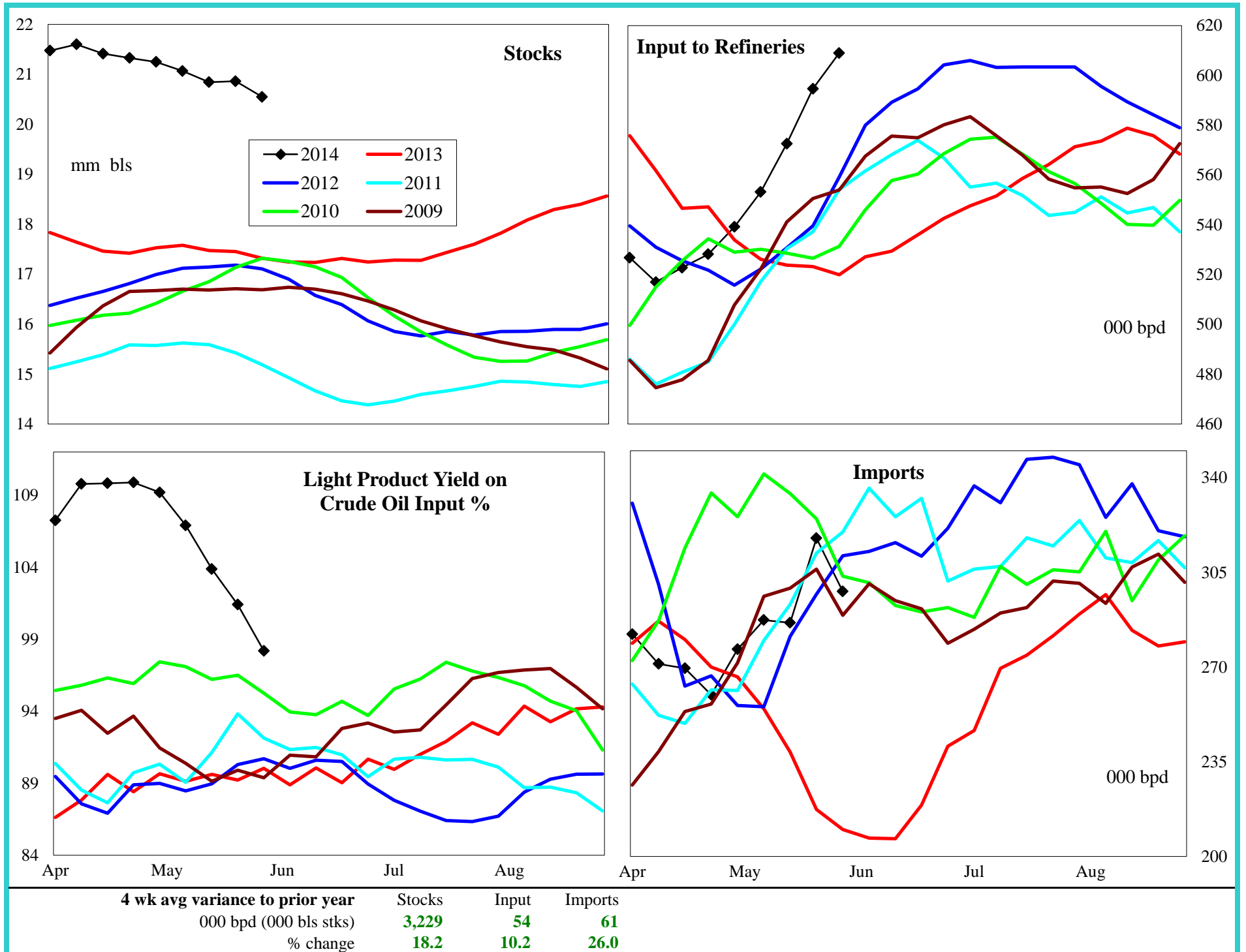
## PADD 3 Jet Fuel Supply



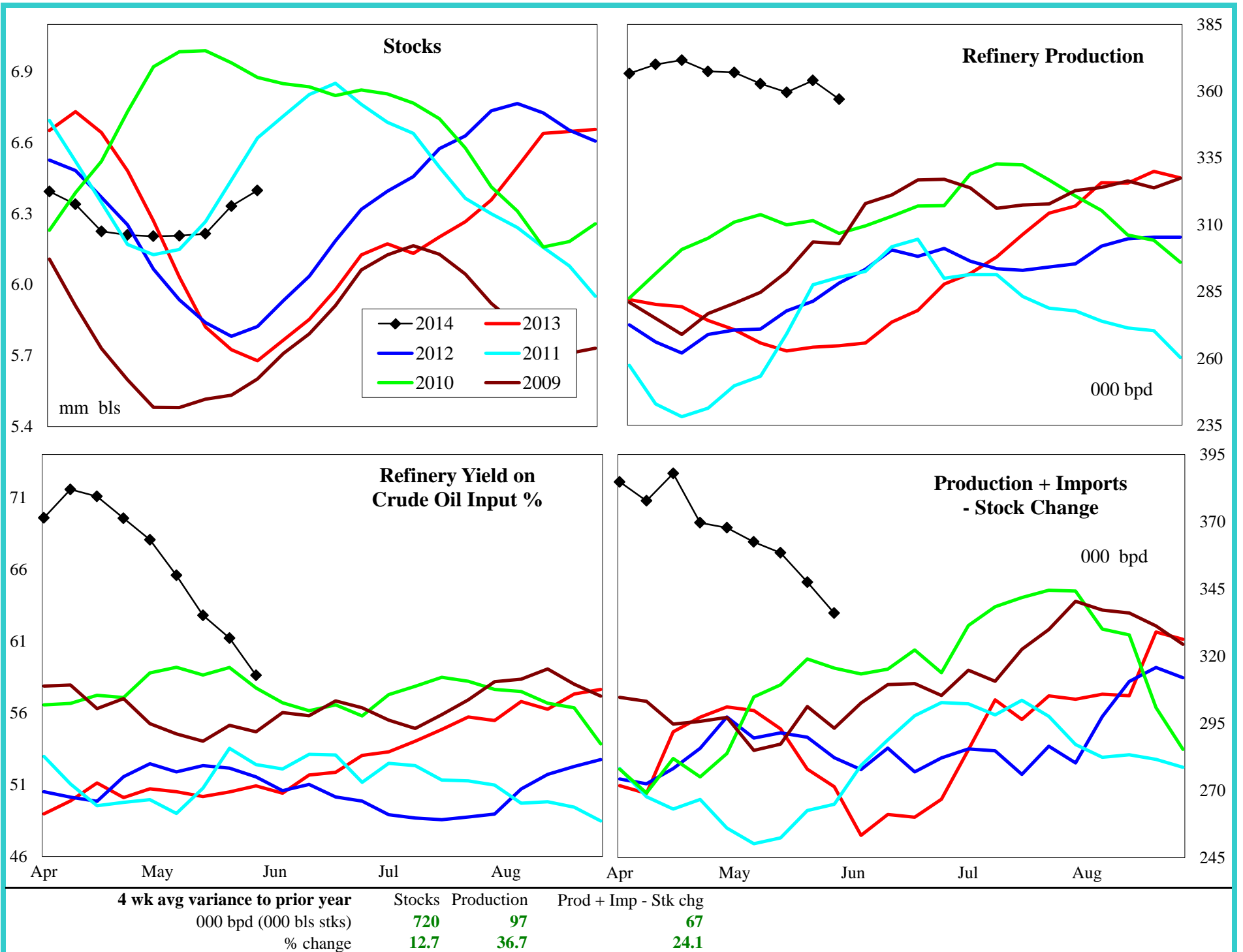
# PADD 3 Residual Fuel Oil Supply



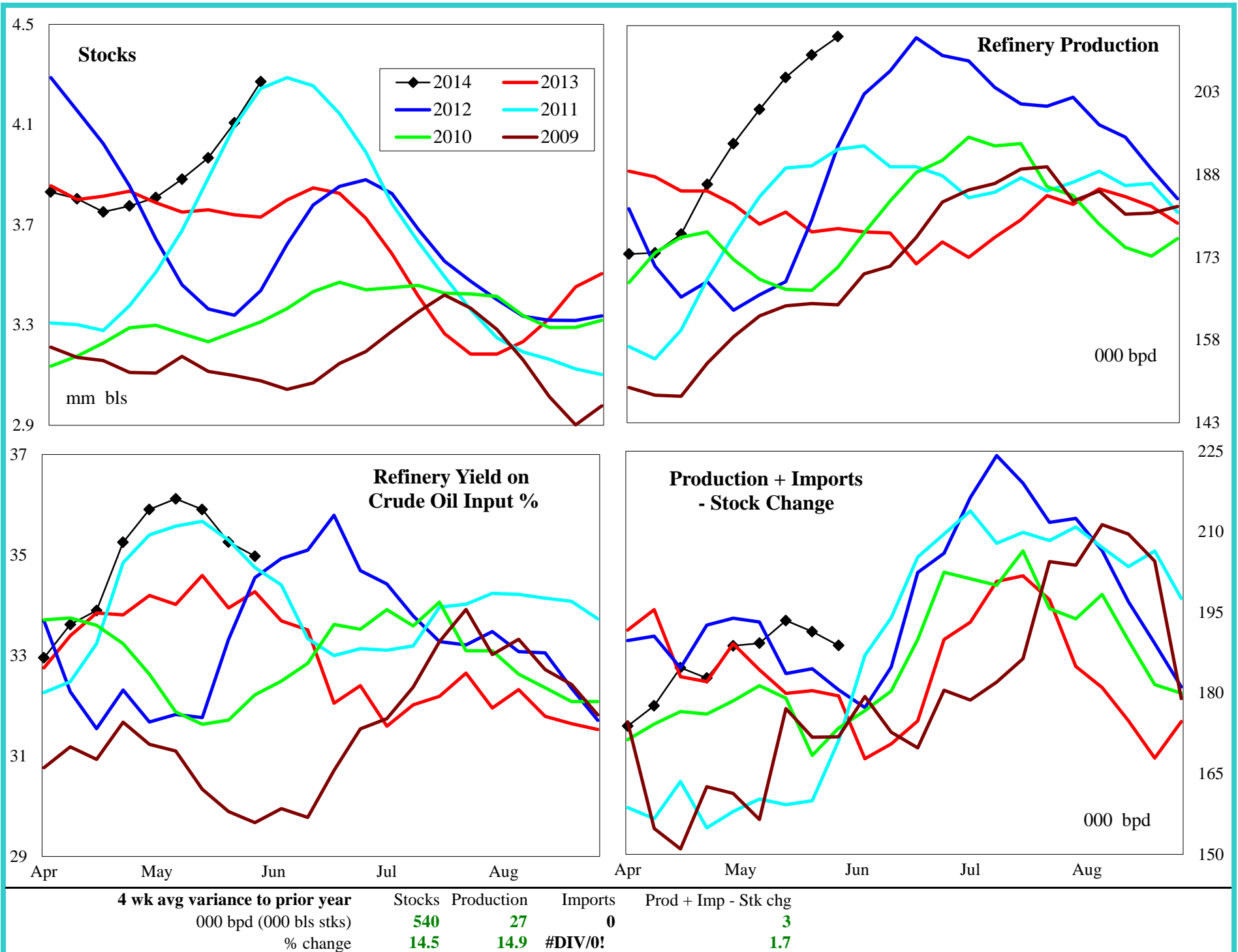
# PADD 4 Crude Oil Supply and Refining



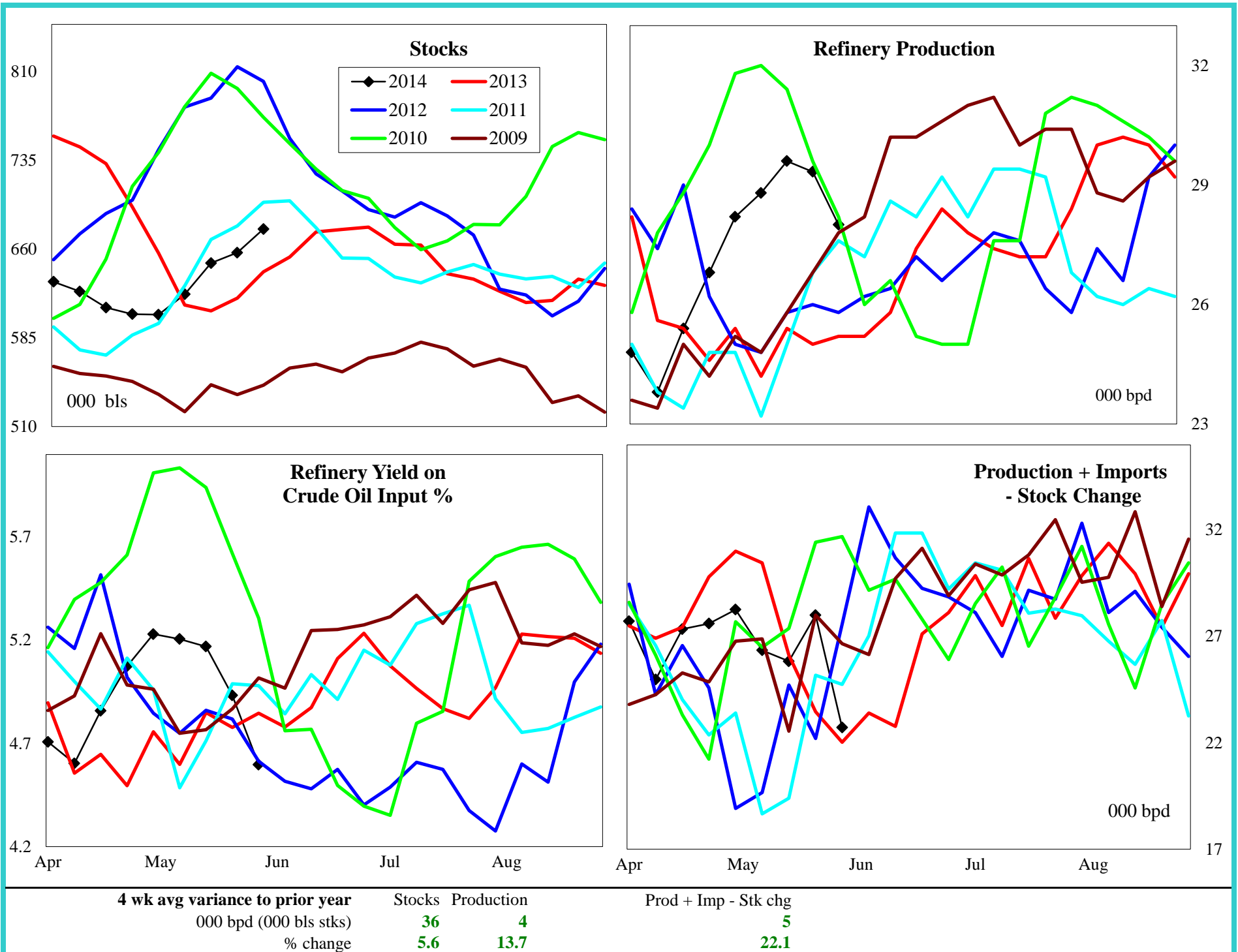
# PADD 4 Gasoline Supply



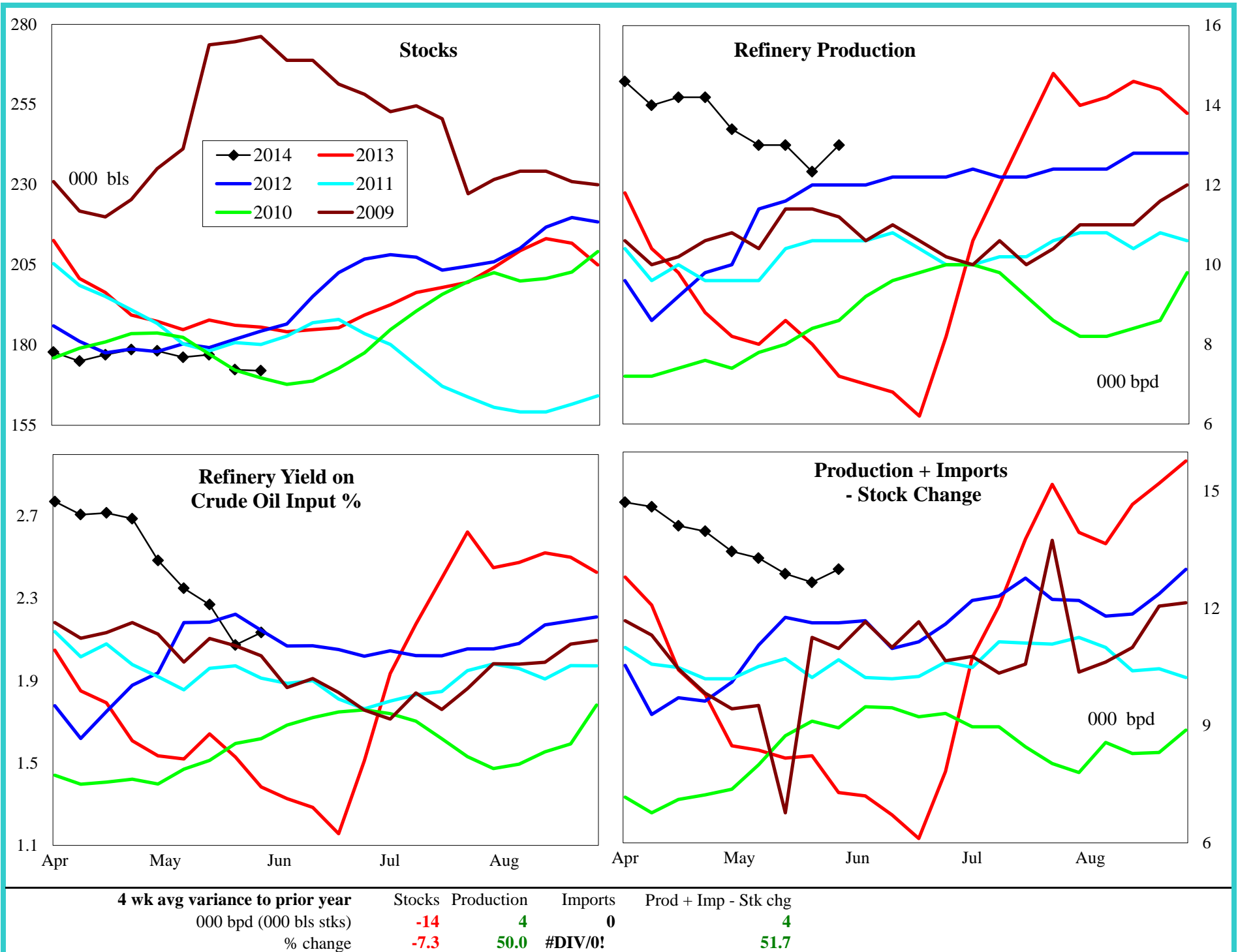
# PADD 4 Distillate Supply



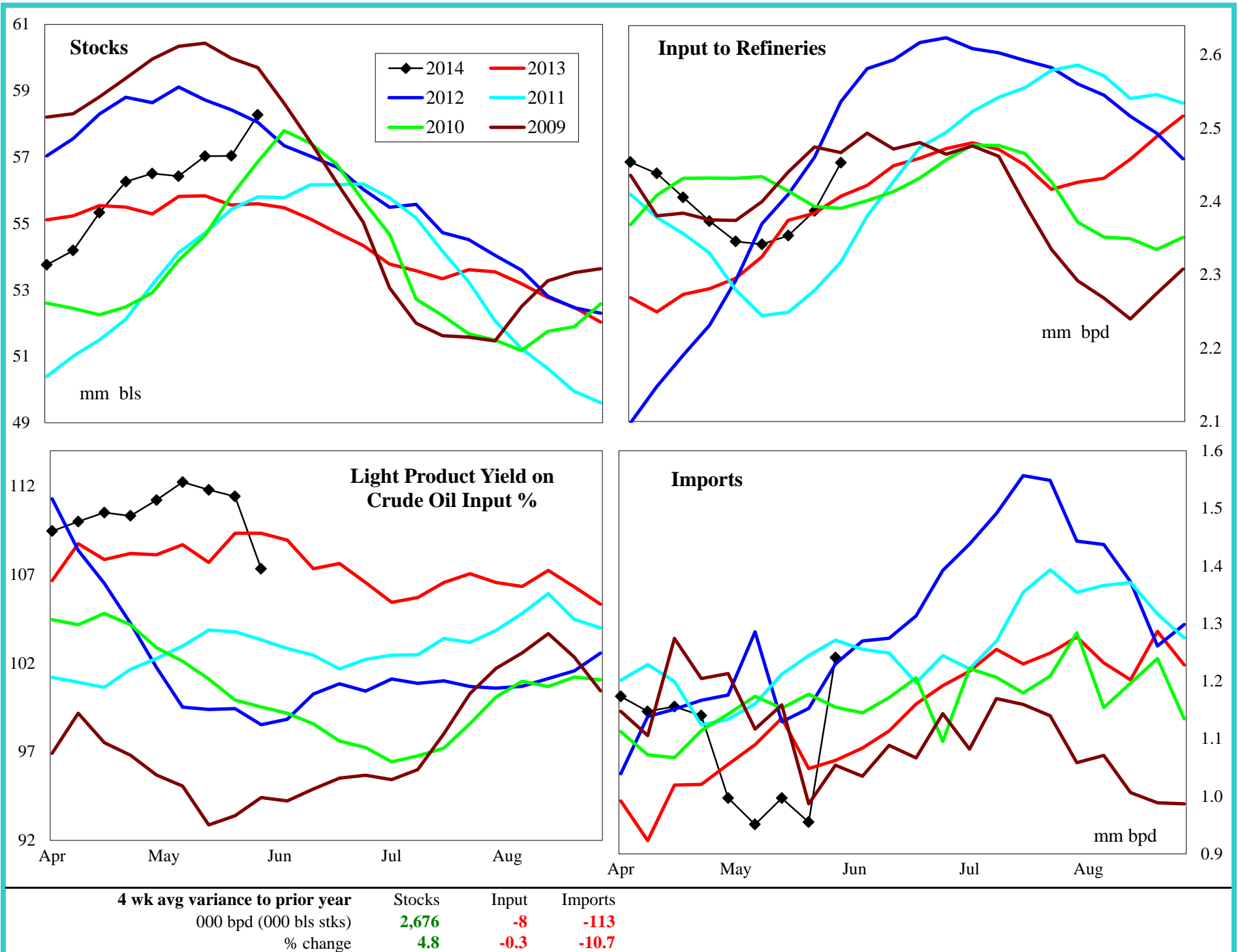
# PADD 4 Jet Fuel Supply



# PADD 4 Residual Fuel Oil Supply

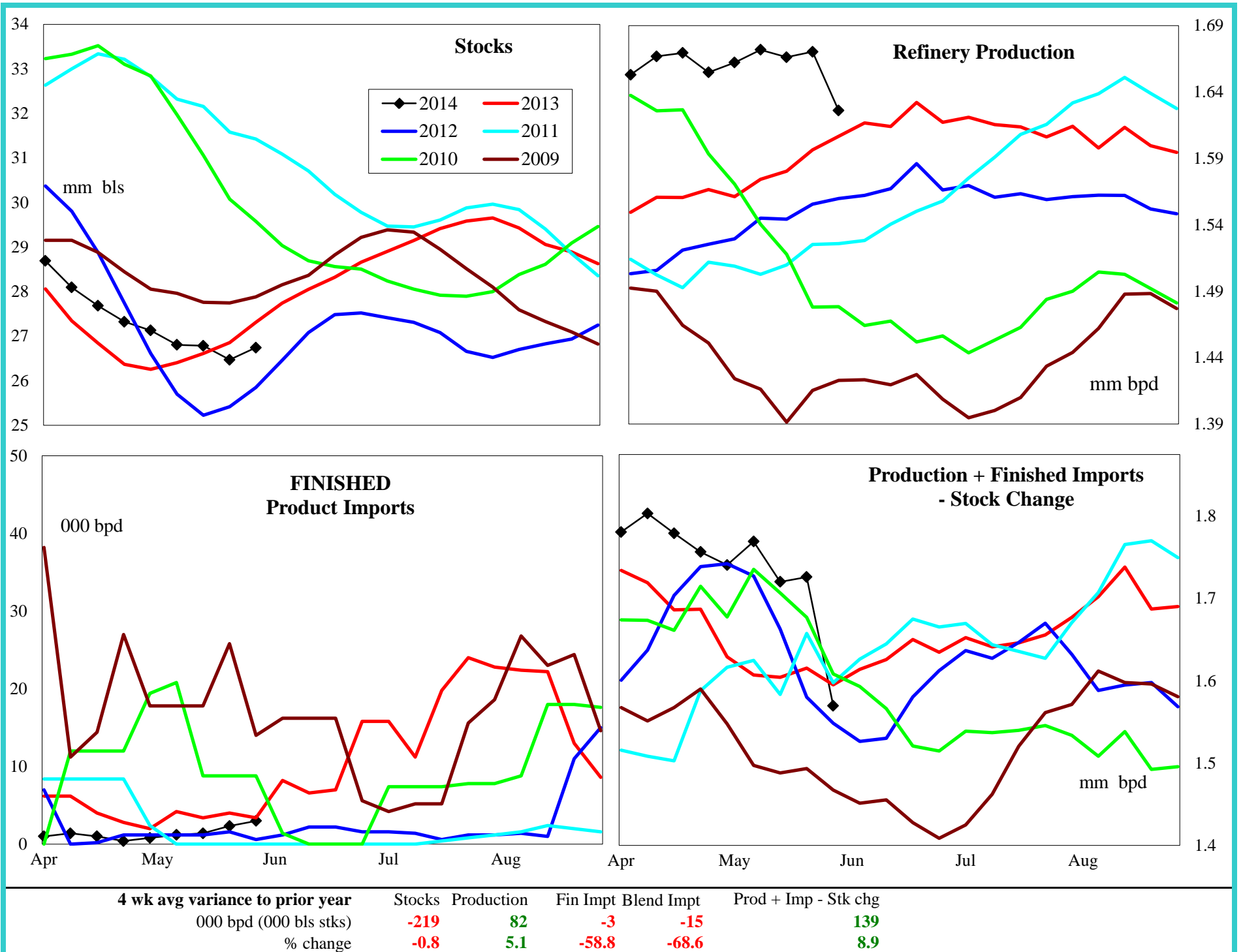


# PADD 5 Crude Oil Supply and Refining

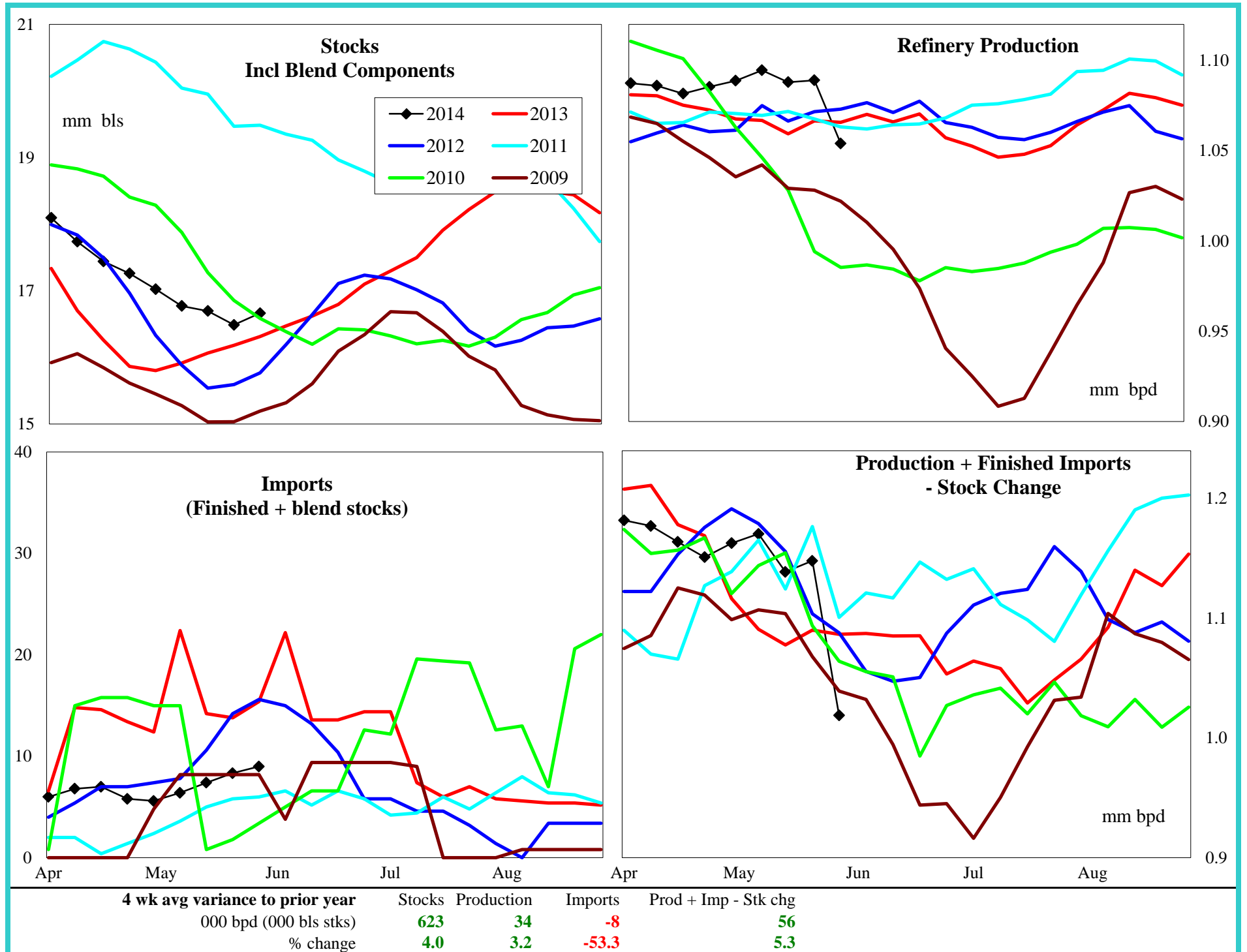




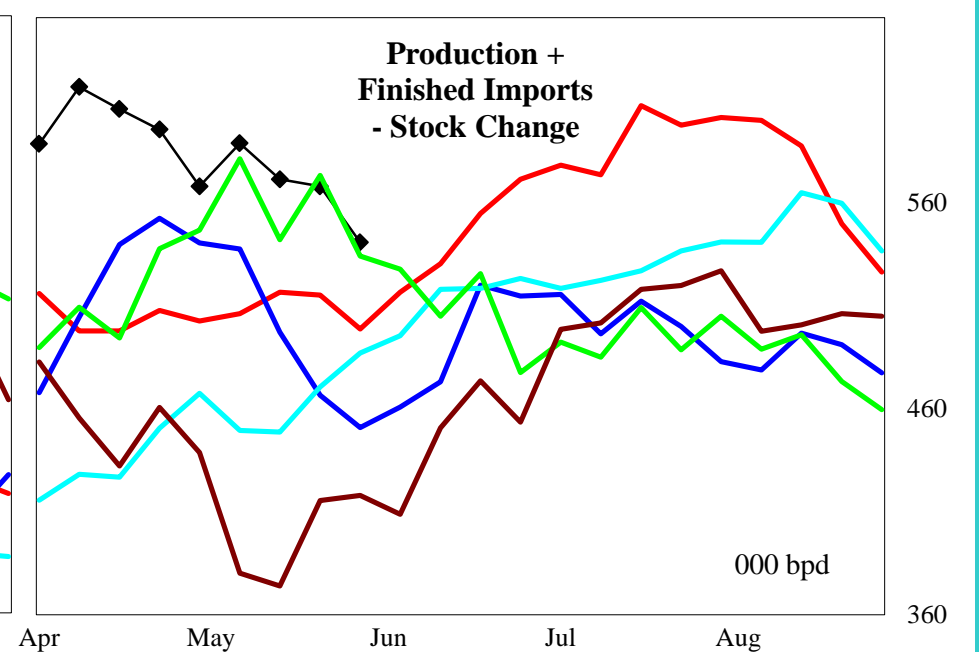
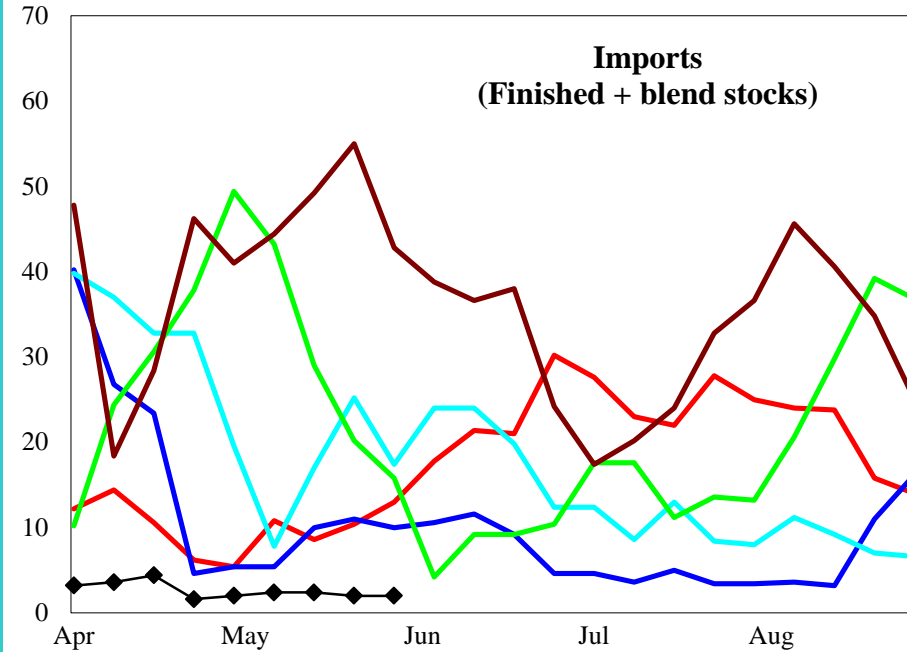
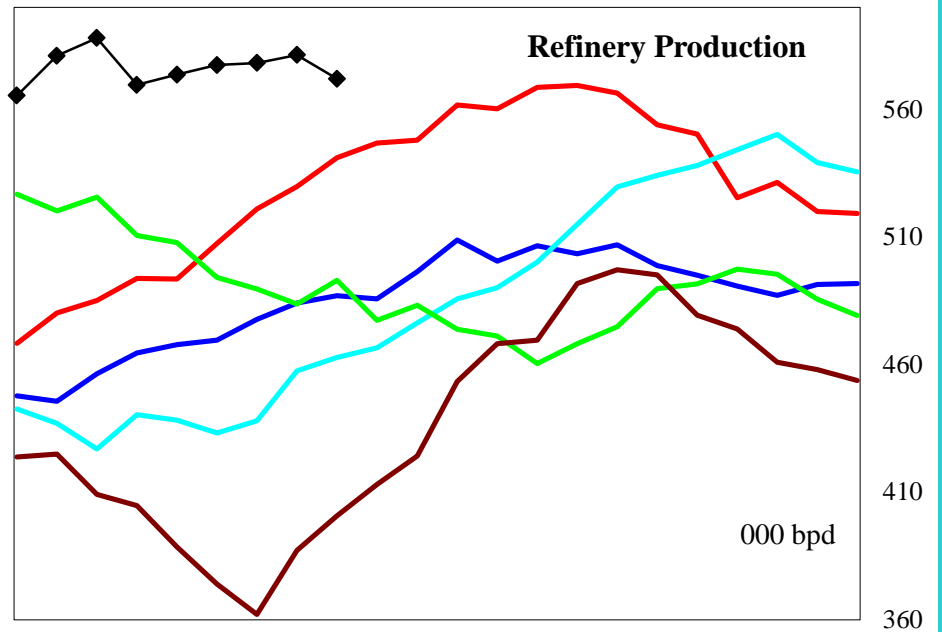
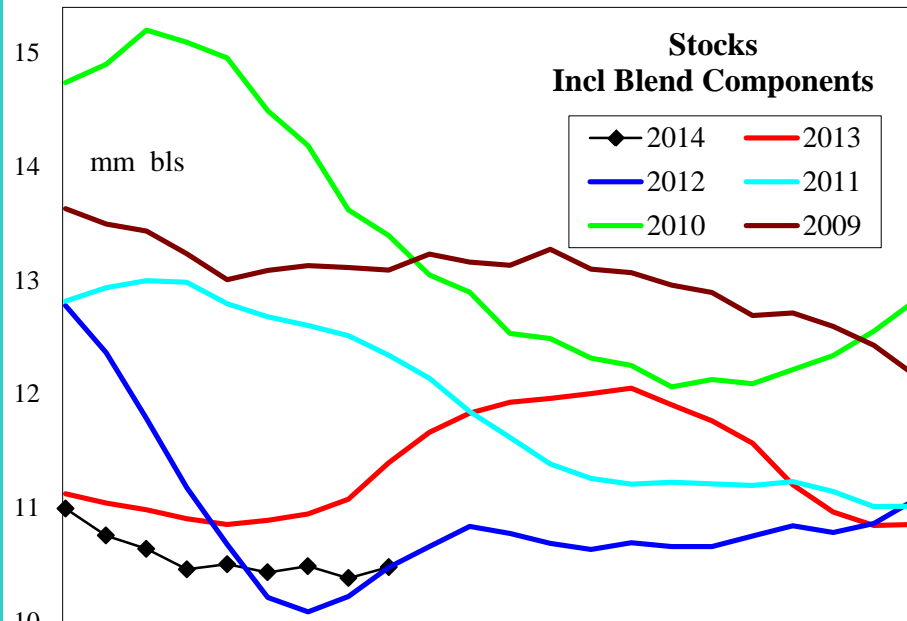
# PADD 5 Gasoline Supply



# PADD 5 Reformulated Gasoline Supply



# PADD 5 Conventional Gasoline Supply



**4 wk avg variance to prior year**

000 bpd (000 bls stks)

% change

Stocks

-842

-7.4

Production

48

9.1

Imports

-9

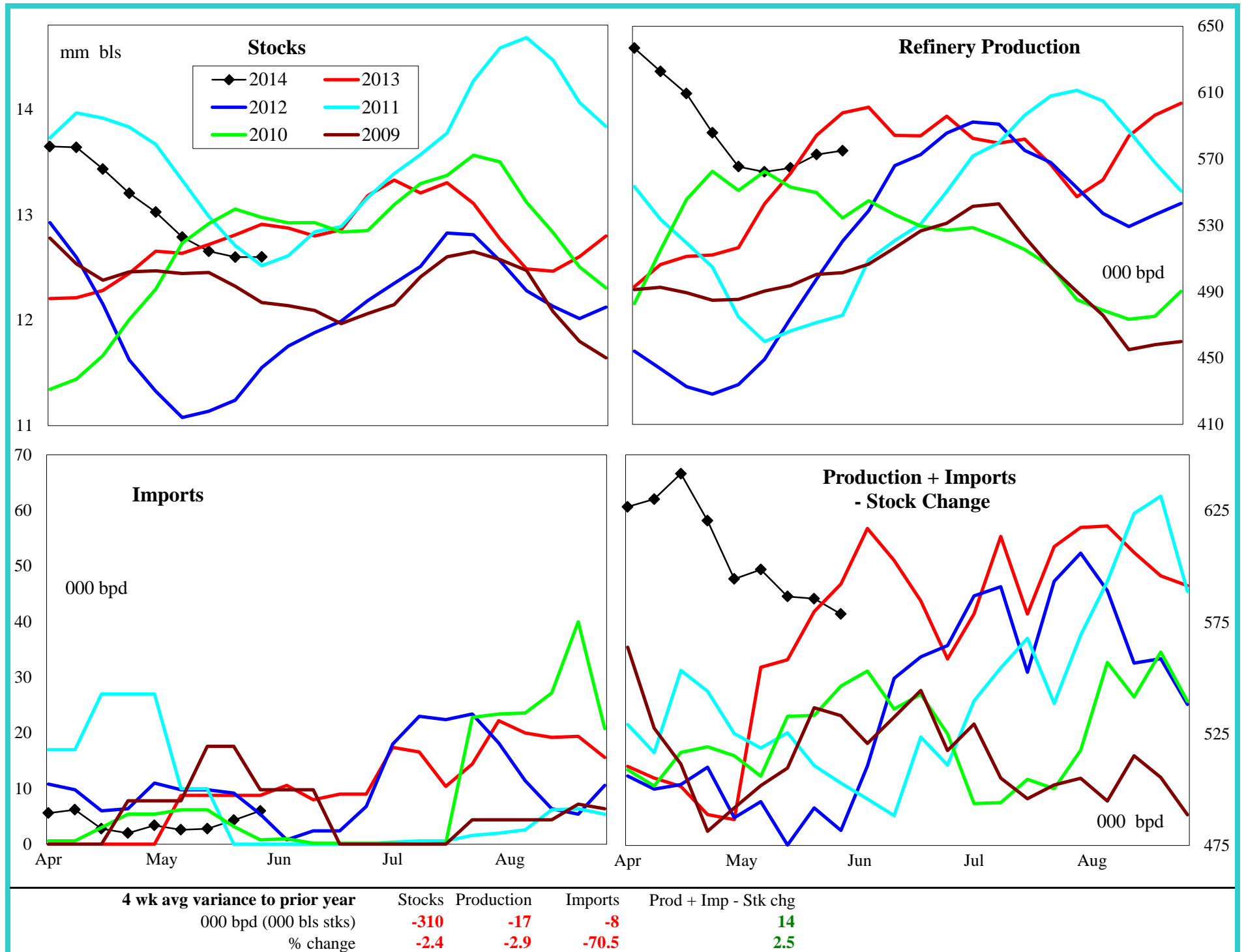
-86.0

Prod + Imp - Stk chg

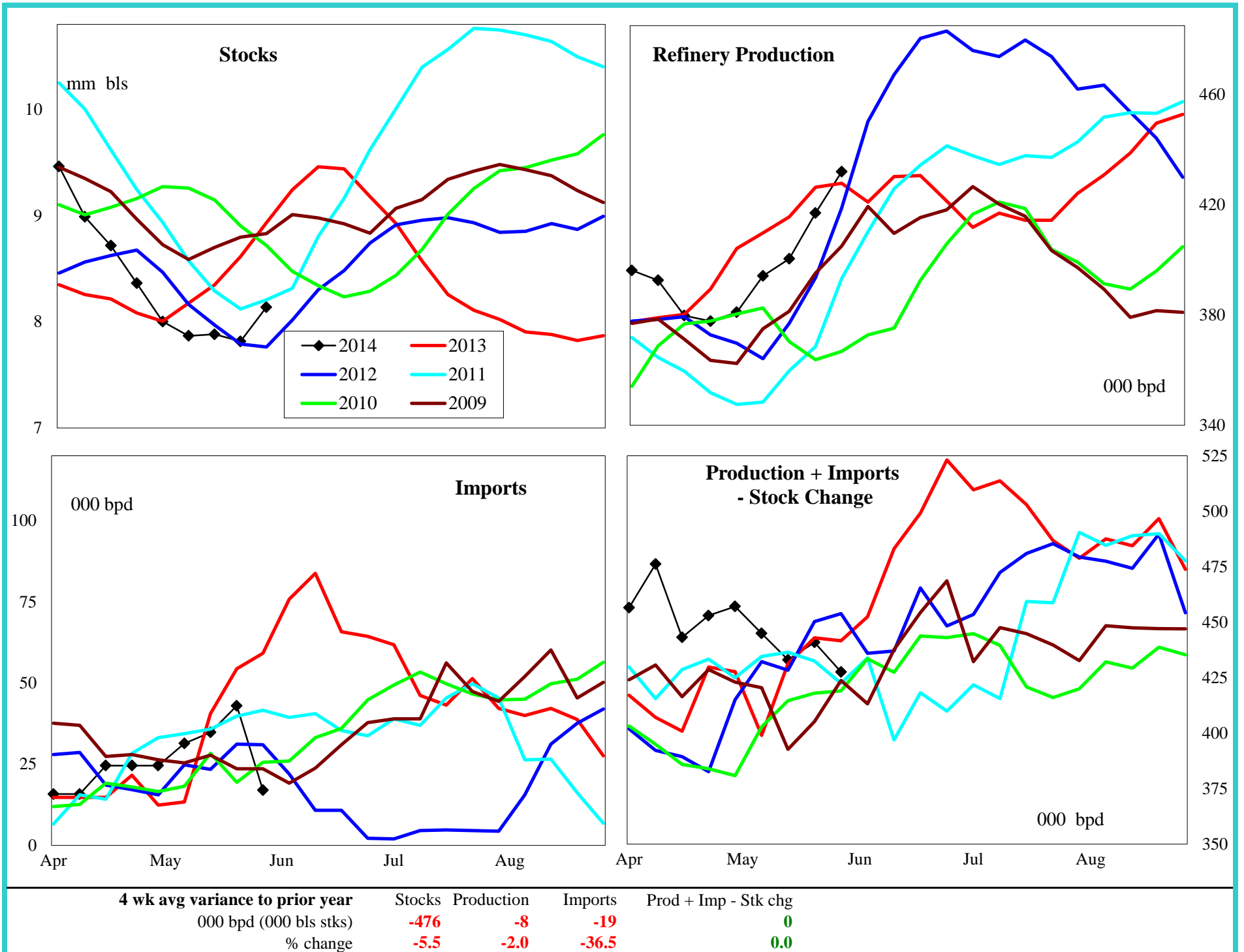
83

16.0

# PADD 5 Distillate Supply



# PADD 5 Jet Fuel Supply



# PADD 5 Residual Fuel Oil Supply

