



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

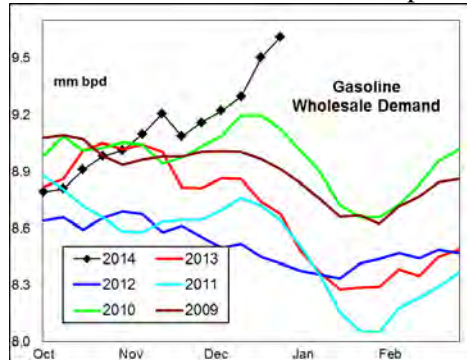
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, December 31,

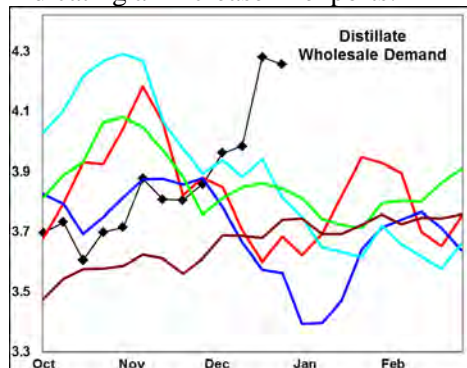


Major Fundamental Trends¹

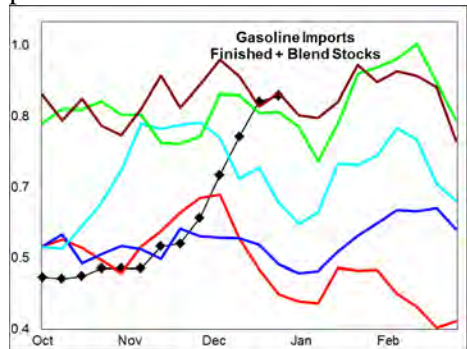
Reported gasoline and distillate wholesale demand has been exceptionally high. The increase in gasoline is concentrated in the Gulf and West coast regions – pointing to increased exports.



The increase in distillate is concentrated in the Gulf region, also indicating an increase in exports.

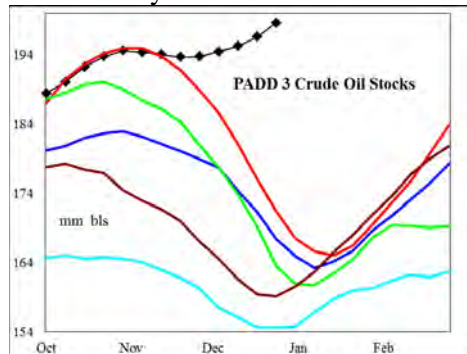


Gasoline supply has spiked to a record high, driven by a surge in blend stock imports used in finished gasoline production.



The increase in gasoline imports and corresponding higher production has

lifted stock levels to a record high for this time of year.



Crude oil stocks in the Gulf region ended the week +27 million barrels above last year. This increase is due in part to the expanded pipeline capacity for delivery of domestic crude oil to the Gulf.

Wholesale Demand for gasoline and distillate remain exceptionally high, driven by restocking by the downstream supply chain.

Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +4.6%, distillate increased +9.2%, jet fuel was +2.6% higher, while residual fuel climbed +22%.

Stocks forward coverage: Gasoline demand coverage increased on a +3 million barrel stock build partially offset by extremely high wholesale demand. Coverage ended the week at a level that matched last year.

Distillate coverage increased on a +1.9 million barrel stock build, offset by very high wholesale demand. Coverage ended the week at a level below the historic range.

Jet fuel coverage increased on a +1.1 million barrel stock build and lower wholesale demand. Coverage ended the week below the 5-yr range.

Residual fuel oil coverage decreased on lower stocks, ending the week at a level equal to the 3-yr mid range.

Refinery utilization rates increased on a +36,000 bpd rise in crude oil runs last week, concentrated on the East and West Coasts. During the latest 4-wk period crude oil input was +276,000

bpd above a year ago.

Gasoline yield % on crude oil runs increased last week on a +275,000 bpd increase in output compared to the +36,000 bpd rise in crude oil runs. *Yield % on crude oil runs ended the week sharply above the last 2-yrs, driven by a surge in blend stock imports.*

Distillate yield % on crude oil runs increased, on a +71,000 bpd rise in output compared to the small upturn in crude oil runs. The yield % on crude oil runs was above the last 2-yrs

Jet fuel yield % on crude oil runs declined last week on a -26,000 bpd decrease in output compared the small increase in crude oil runs. The yield % was near record highs for the season.

Petroleum Imports/Exports: Imports of crude oil fell -1.2 million bpd last week, reversing the prior week surge.

During the latest 4-wk period crude oil imports were +125,000 bpd above last year; distillate imports were +60,000 bpd higher; finished gasoline imports were -8,000 bpd lower; gasoline blend stock imports were +271,000 bpd higher, jet fuel imports increased +57,000 bpd, and residual fuel imports decreased -60,000 bpd.

Exports of distillate for the week ending 19Dec14 were -382,000 bpd below a year ago, gasoline -81,000 bpd lower, jet fuel +26,000 bpd higher and residual fuel oil was +3,000 bpd higher.

Crude Oil stocks decreased -1.8 million barrels on the week, driven by draws in regions outside the Midwest and Gulf. Cushing saw a +2 million barrel stock build on the week.

Gulf region crude oil stocks ended the week +27 million barrels above last year's record high, driven by increased pipeline capacity for delivery of domestic production to the region.

During the most recent 4-wk period U.S. crude oil stocks saw a +6 million barrel build compared to an average -12 million barrel draw.

¹ Source is latest EIA Weekly Statistics



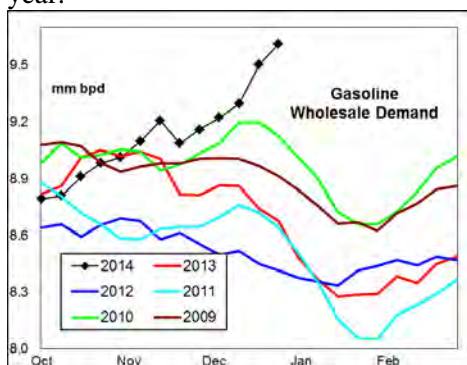
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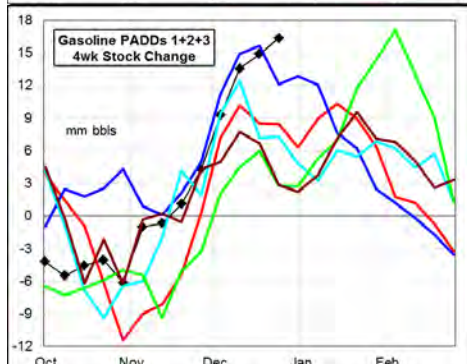
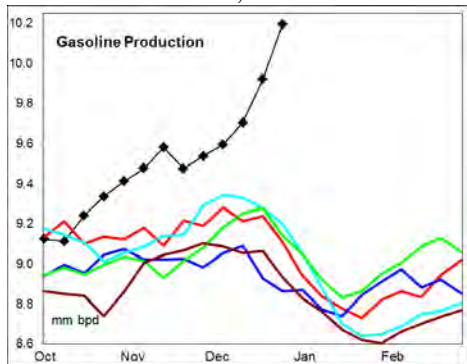
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Product Supply-Demand Trends

Gasoline wholesale demand increased +96,000 bpd last week, a level sharply above the historic range as the downstream supply chain increased stock levels. The latest 4-wk average demand was +405,000 bpd above last year.



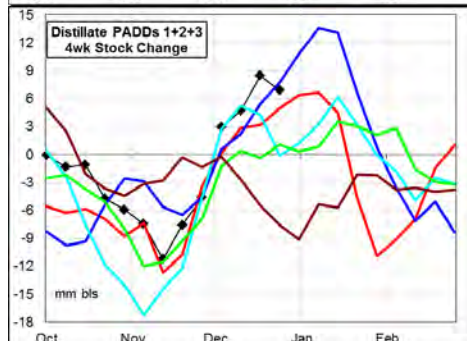
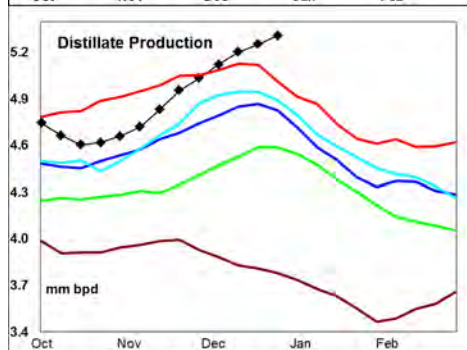
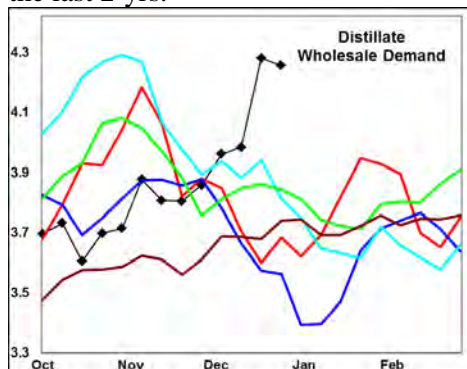
Supply increased +240,000 bpd last week on record production, driven by record blend stock imports. Supply for the latest 4-wk period exceeded a year ago by +455,000 bpd on higher production. Stocks climbed +3 million barrels on the week, to a record level.



The latest 4-wk stock build east of the Rockies reached a 5-yr record high for the season. Look for a collapse in wholesale demand, and continued high stock building ahead of the start of winter maintenance in the Gulf.

Distillate wholesale demand decreased -69,000 bpd last week, with the weekly level still sharply above the historic range on stock building by the downstream supply chain. The latest 4-wk average demand was +342,000 bpd above last year.

Supply fell -130,000 bpd on lower imports. Production was +117,000 bpd above last year for latest 4-wk period, with imports +60,000 bpd higher. Stocks increased +1.9 million barrels on the week, to a level above the last 2-yrs.



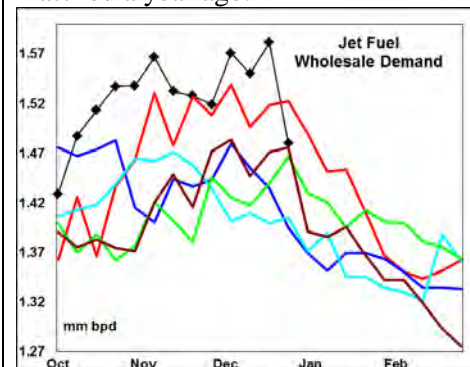
The latest 4-wk stock change in markets East of the Rockies was a +7.8 barrel build, comparable to the prior record high.

Look for a sharp drop in wholesale demand, continued weak exports, combined with record

production to drive very high stock builds into early next year.

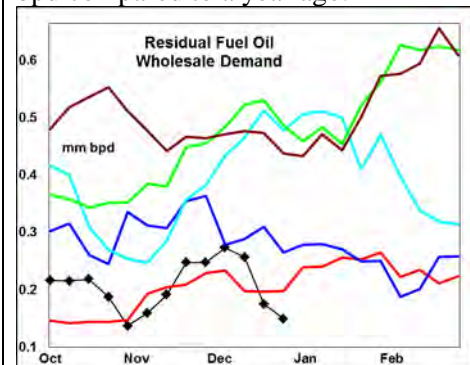
Jet Fuel wholesale demand fell -266,000 bpd on the week, with the 4-wk average +39,000 bpd above last year. Production for the most recent 4-wk period was +35,000 bpd above last year. Imports were +57,000 bpd higher, on a record level last week.

Stocks increased +1.1 million barrels last week, to a level that matched a year ago.



Look for wholesale demand to trend sharply lower with an end to holiday travel, leading to modest stock builds.

Residual fuel oil demand fell -95,000 bpd on the week. Demand for the latest 4-wk period increased +49,000 bpd compared to a year ago.



Supply (production + imports) fell -126,000 bpd on the week, due to lower imports. Stocks fell to a record low level for the period.

Supply in the key Gulf region fell to a record low on no imports and a -29% drop in production compared to last year. The increase in processing of domestic shale oil has reduced output of residual fuel.



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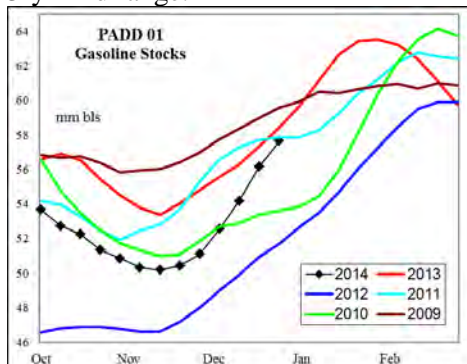
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PADD Supply Trends

PADD 1 refinery crude oil runs increased +92,000 bpd last week to a level above the historic range.

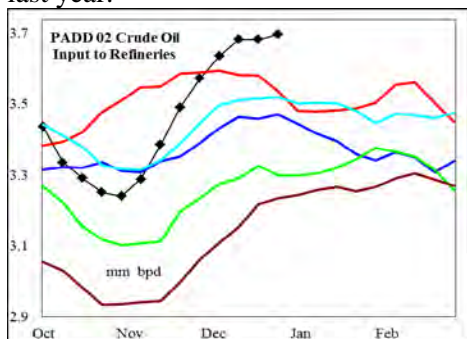
Gasoline supply fell -212,000 bpd on lower production, with the 4-wk average +120,000 bpd above last year. Stocks increased +0.5 million barrels last week, to a level that matched the 3-yr mid range.



Distillate supply fell -163,000 bpd last week, with the 4-wk average +30,000 bpd above last year. Stocks increased +0.9 million barrels on the week, to a level that matched last year's record low.

Jet fuel supply increased +24,000 bpd last week on record high imports; with the 4-wk average was +87,000 bpd above last year. Stocks ended the week near historic lows.

PADD 2 crude oil refinery runs increased +14,000 bpd on the week, to a level above the 5-yr range. The latest 4-wk average was +112,000 bpd above last year.



Crude oil stocks increased +0.4 million barrels last week, with the level -3.9 million barrels below a year ago. Cushing saw a +2 million barrel stock build on the week.

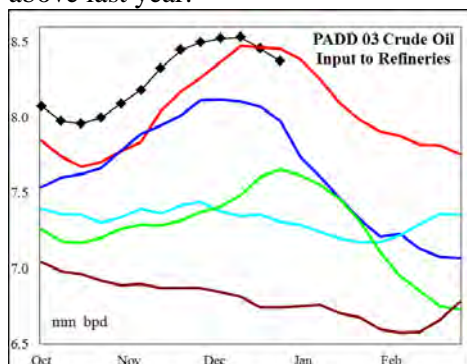
Gasoline supply fell -117,000 bpd

on the week. Production for the most recent 4-wk period was +7,000 bpd above a year ago. Stocks increased +2.6 million barrels on the week, a level that matched the 3-yr mid range.

Distillate supply decreased -38,000 bpd on the week, a level still above the historic range. Stocks increased +2.2 million barrels on the week, to a level above the last 2-yrs.

Jet fuel production was +10% above last year for the latest 4-wk period. Stocks ended the week -9% below last years' record lows.

PADD 3 refinery runs declined -133,000 bpd on the week, to a level below last year. During the latest 4-wk period, average runs were +61,000 bpd above last year.



Crude oil stocks increased +0.4 million barrels last week, ending at a level +27 million barrels above the prior record for the period. The extremely high stock level is due in part to expanded pipeline capacity from Cushing for receipt of domestic production and Canadian imports.

Gasoline supply increased +85,000 bpd last week, with the latest 4-wk average +251,000 bpd above a year ago. Stocks increased +0.4 million barrels on the week, to a level near historic highs.

Distillate supply increased +90,000 bpd on the week, with the latest 4-wk average supply -18,000 bpd below a year ago. Stocks fell -2.7 million barrels on the week, to a level +3% above last year.

Jet fuel production decreased -28,000 bpd on the week, with the level +45,000 bpd above the 5-yr range for

the latest 4-wk period. Stocks increased +0.8 million barrels to a level that matched the 3-yr mid range.

Residual fuel supply decreased -41,000 bpd on lower imports. Stocks decreased -0.5 million barrels to a level near the 3-yr average.

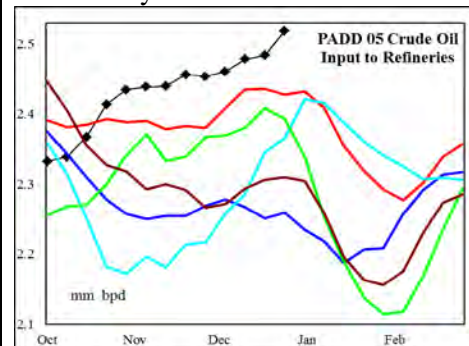
PADD 4 refinery crude runs increased +14,000 bpd last week, at a level above the historic range, with the latest 4-wk average was +43,000 bpd above a year ago.

Gasoline production was unchanged last week, with the latest 4-wk average -31,000 bpd below last year. Stock levels ended the week +14% above the prior record high.

Distillate supply increased +15,000 bpd last week, with the latest 4-wk production +43,000 above last year. Stock levels ended the week +25% above the prior record high.

Jet fuel production was above the 5-yr range for the latest 4-wk period, while stocks fell to below the 3-yr mid range.

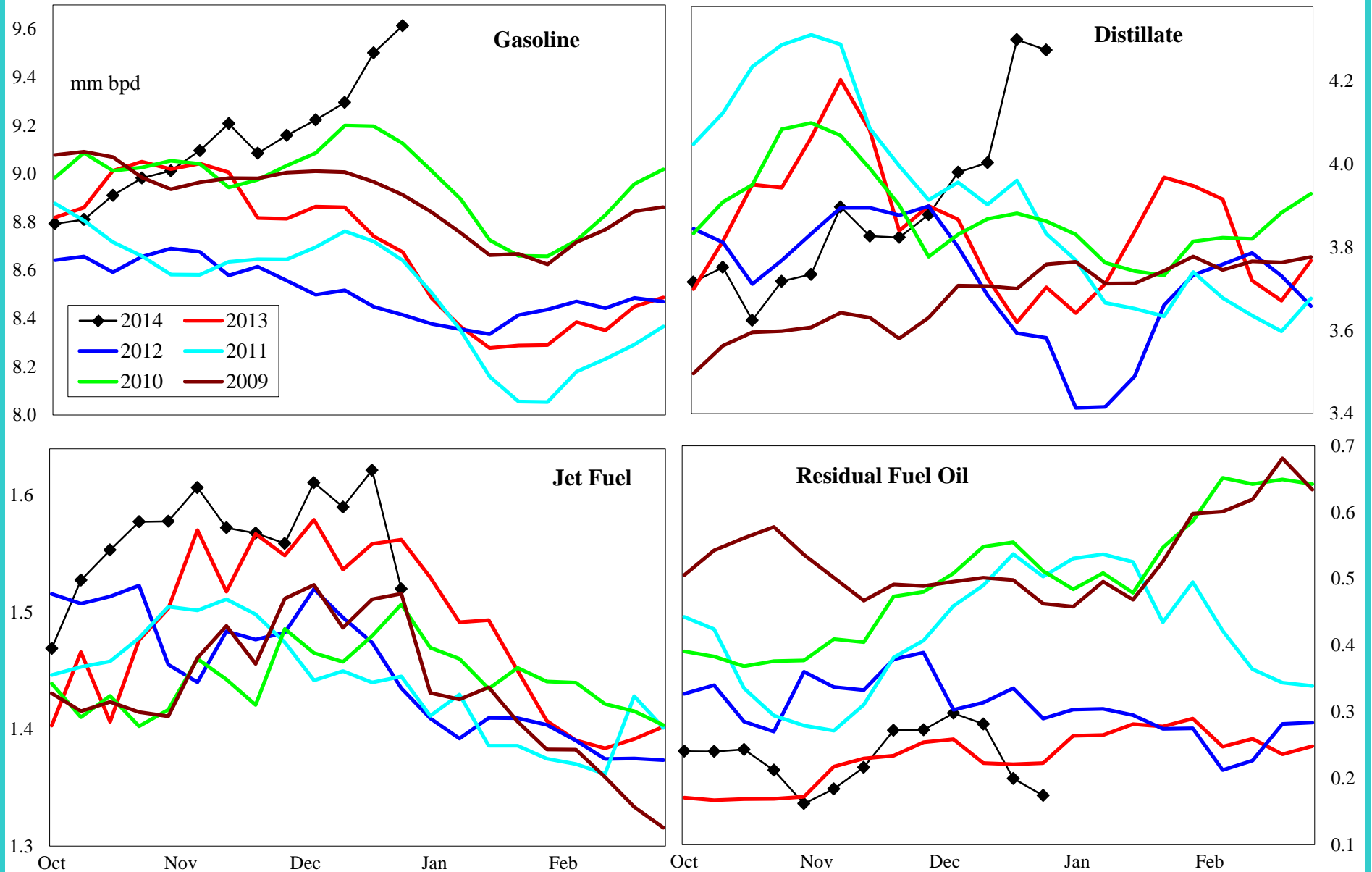
PADD 5 crude oil refinery runs increased +49,000 bpd last week, ending at a level above the 5-yr range. The 4-wk run rate was +46,000 bpd above last year.



Gasoline supply decreased -22,000 bpd on the week, but remains above the historic range. Stocks fell -0.7 million barrels on the week, ending at a level above the 3-yr mid range.

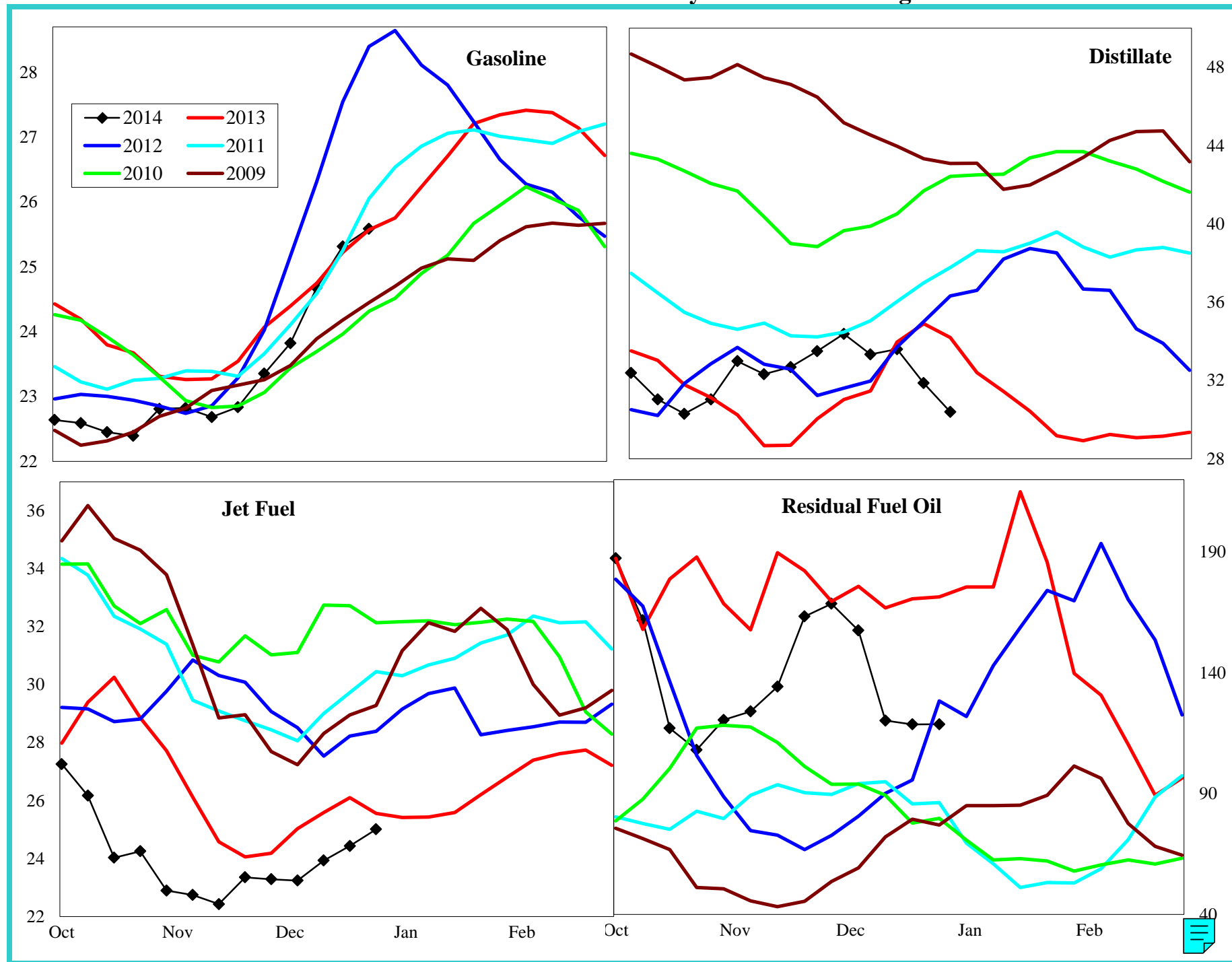
Distillate supply decreased -35,000 bpd last week, although production remains very high. The 4-wk average supply was +14% above a year ago. Stocks increased +1.2 million barrels, to a level near historic highs.

United States Wholesale Petroleum Demand

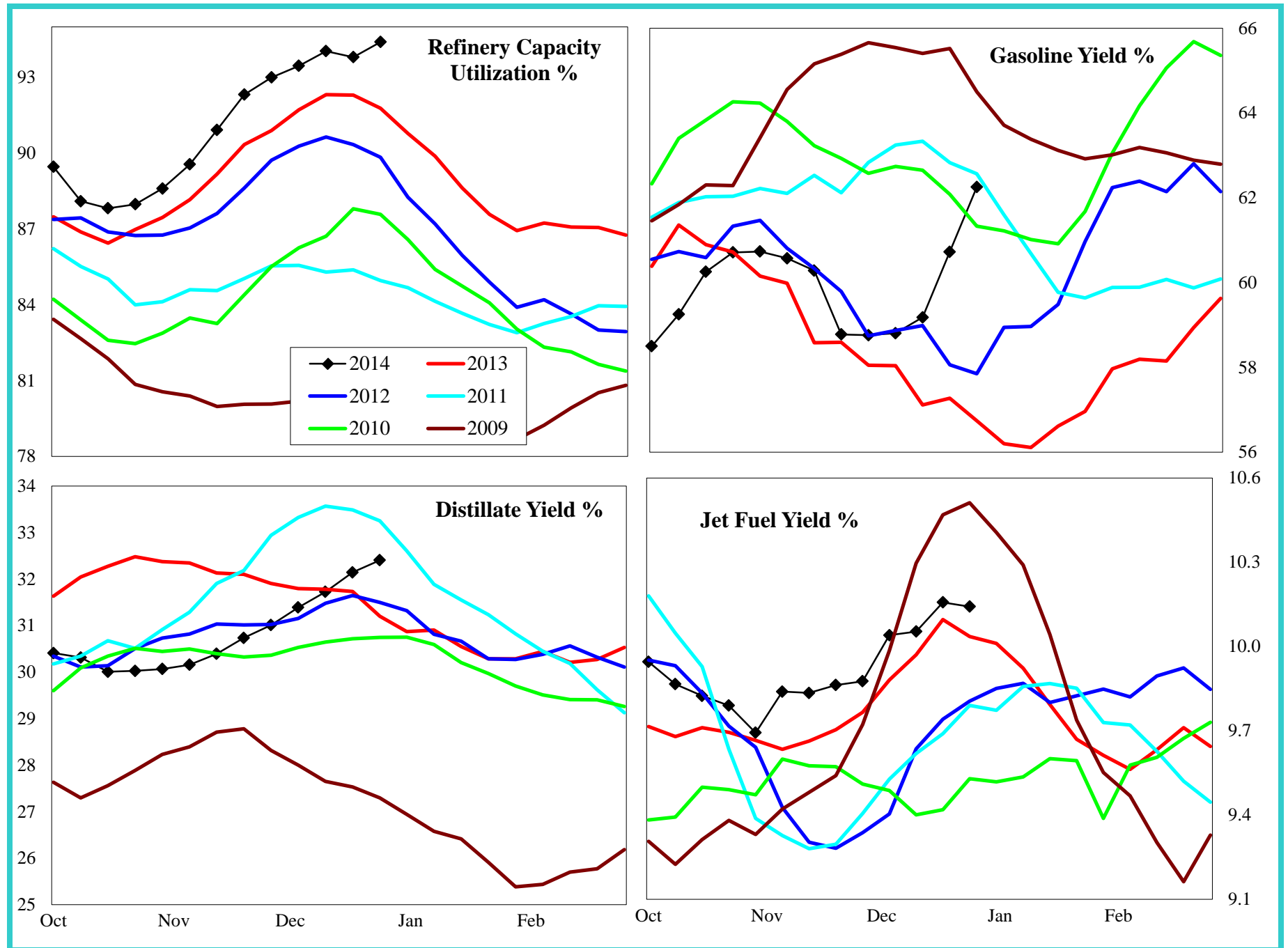


| | 000 bpd change from prior year | | | | % change from prior year | | | |
|-------------------|--------------------------------|-------------|-------------|-------------|--------------------------|--------------|--------------|--------------|
| | 4wk avg | Nov | Oct | Sep | 4wk avg | Nov | Oct | Sep |
| Gasoline | 405 | 473 | 156 | -220 | 4.6 | 5.4 | 1.8 | -2.5 |
| Distillate | 342 | 1 | -489 | 196 | 9.2 | 0.0 | -11.9 | 5.3 |
| Jet Fuel | 39 | 117 | 79 | 58 | 2.6 | 8.2 | 5.4 | 4.1 |
| Resid | 49 | -111 | -78 | -82 | 21.9 | -33.6 | -25.6 | -23.5 |

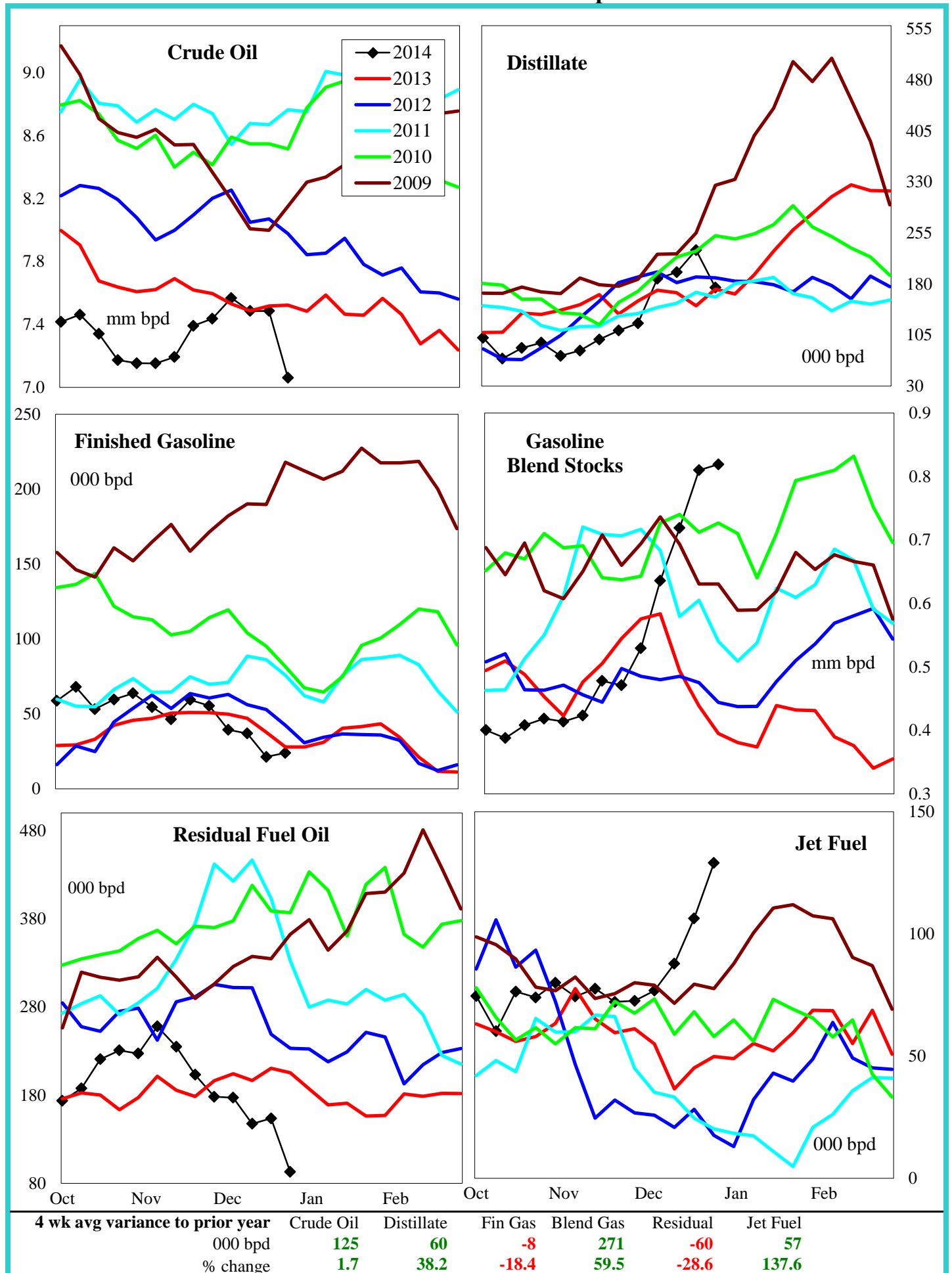


United States Product Stocks: Days Forward Coverage

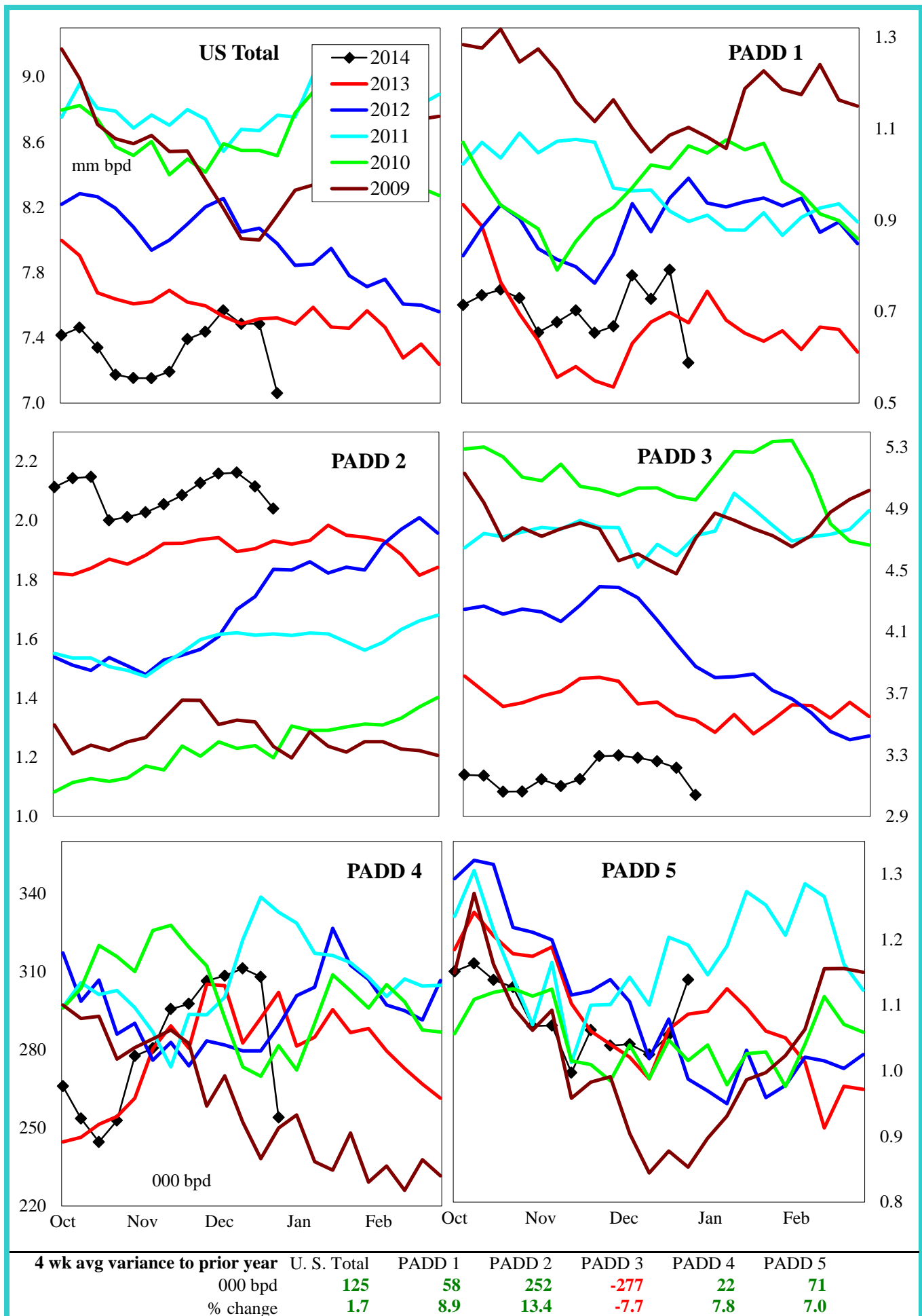
United States Refinery Percent Utilization Rate and Product Yields



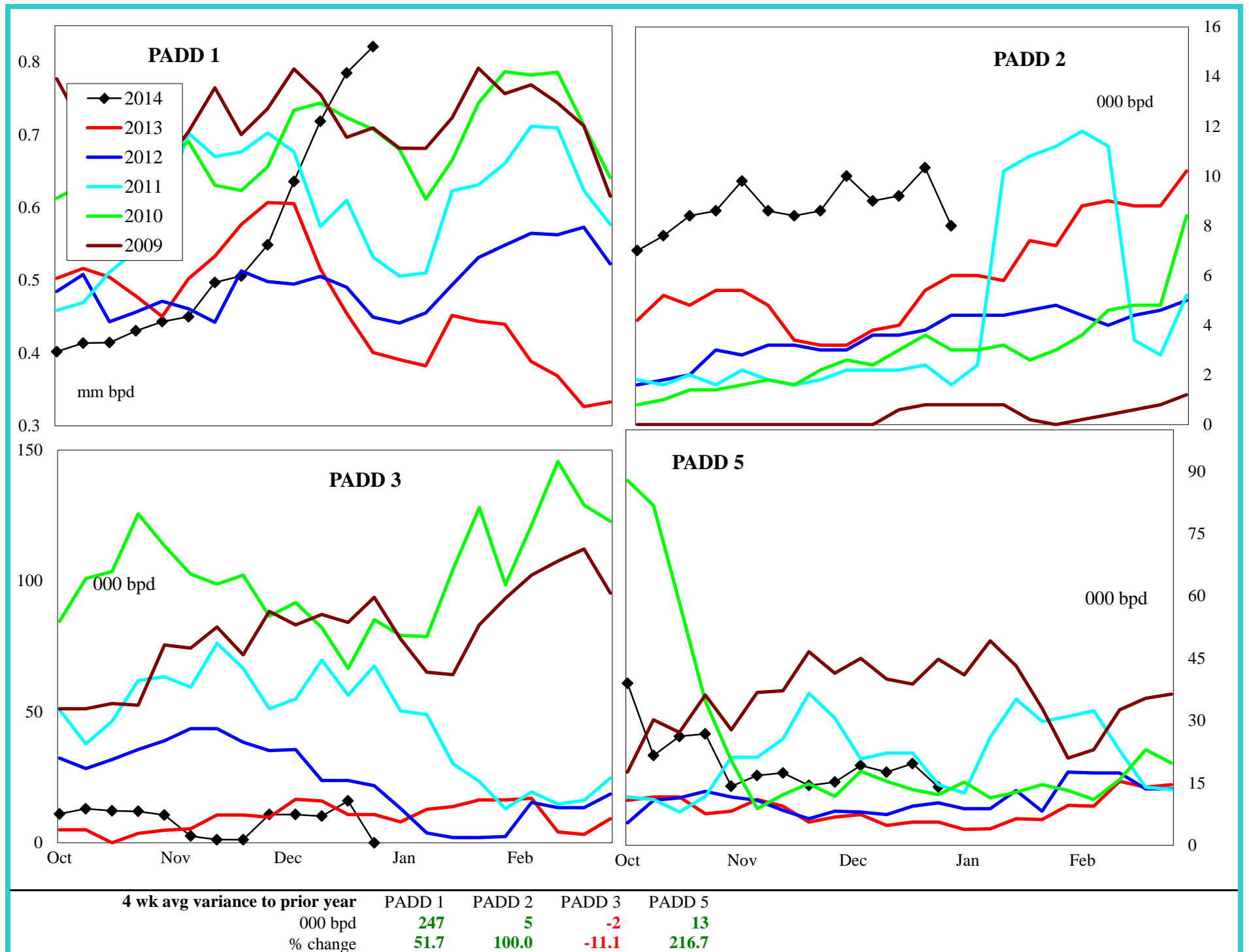
United States Petroleum Imports



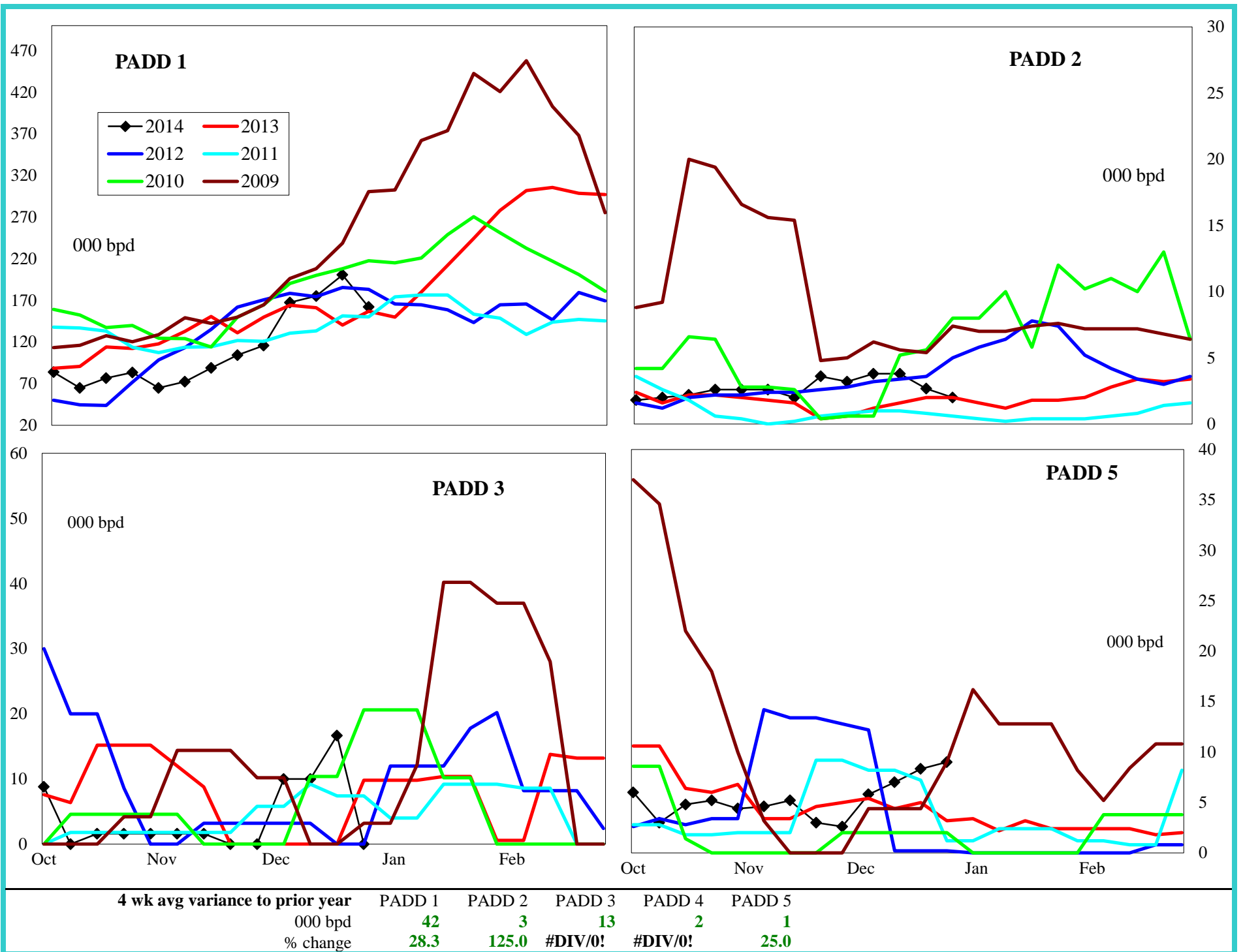
Crude Oil Imports by PADD



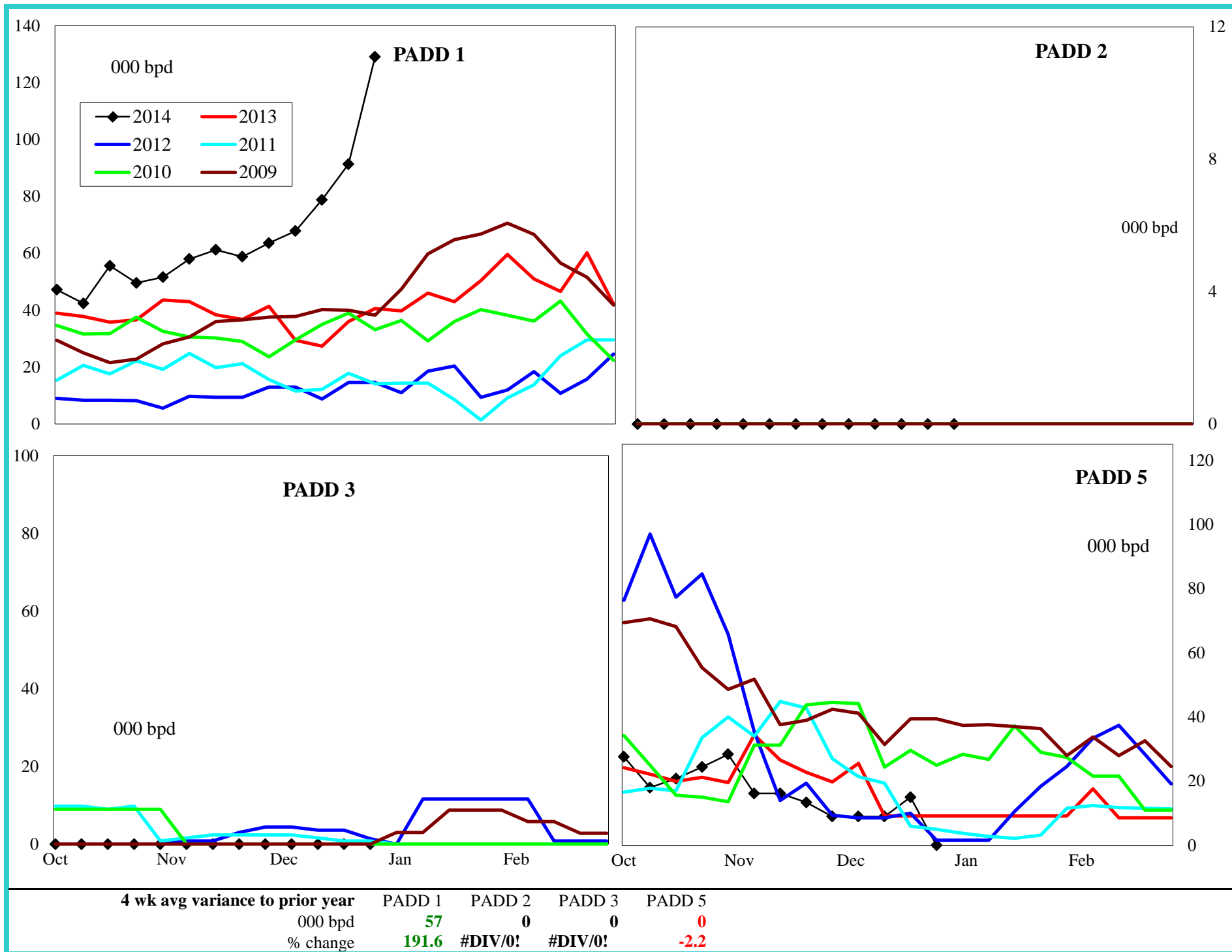
Gasoline Imports by PADD (Finished + Blend Stocks)



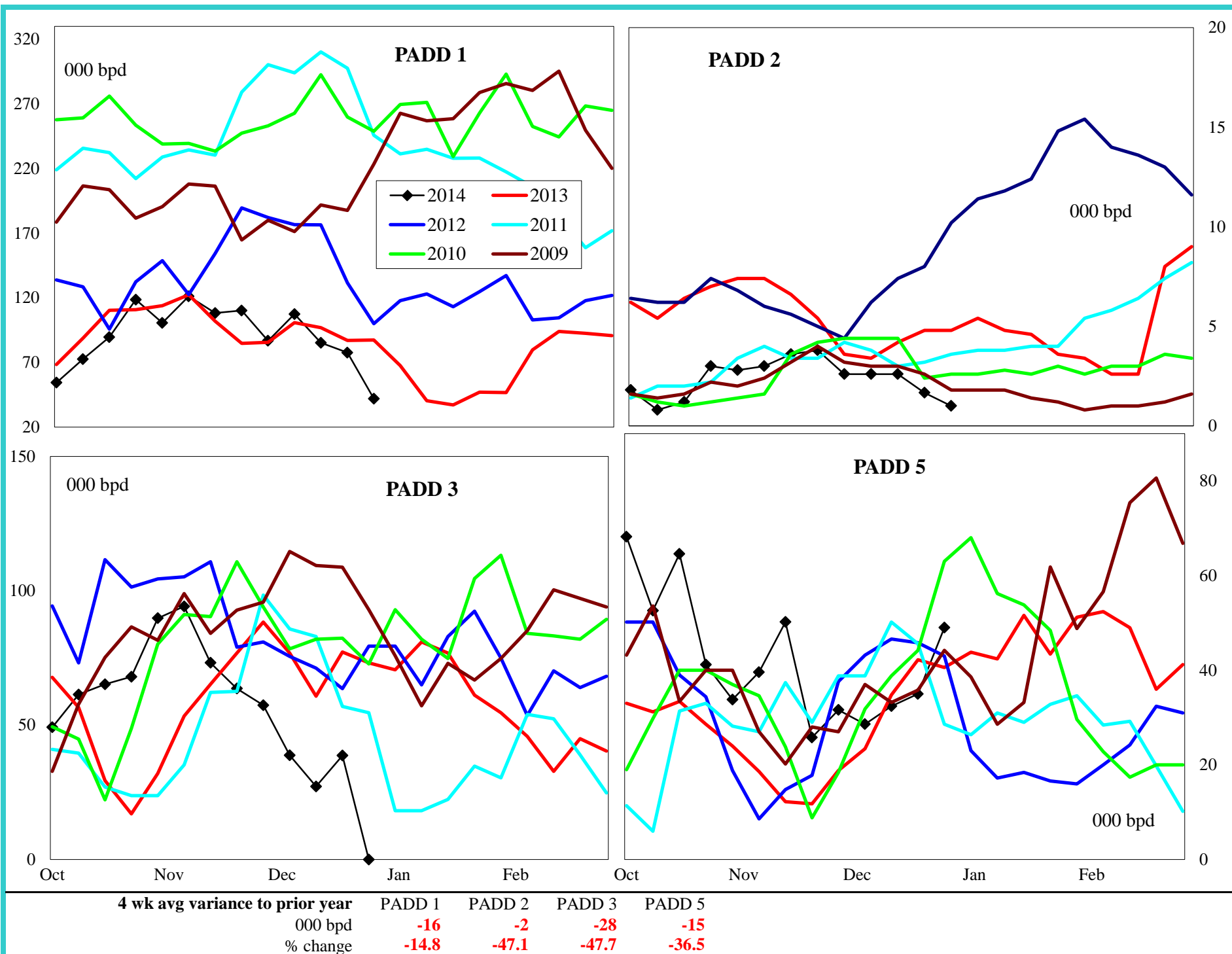
Distillate Imports by PADD



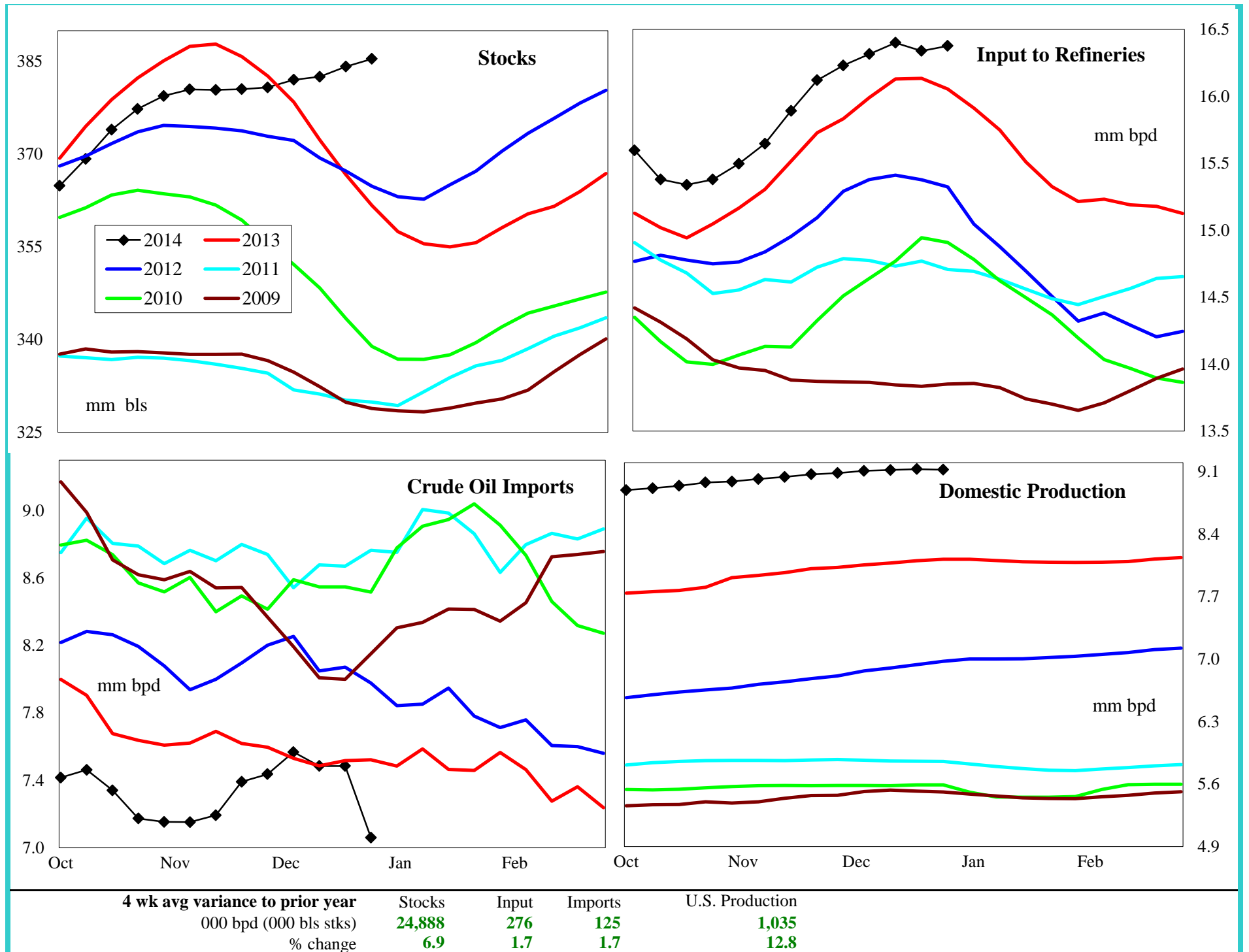
Jet Fuel Imports by PADD



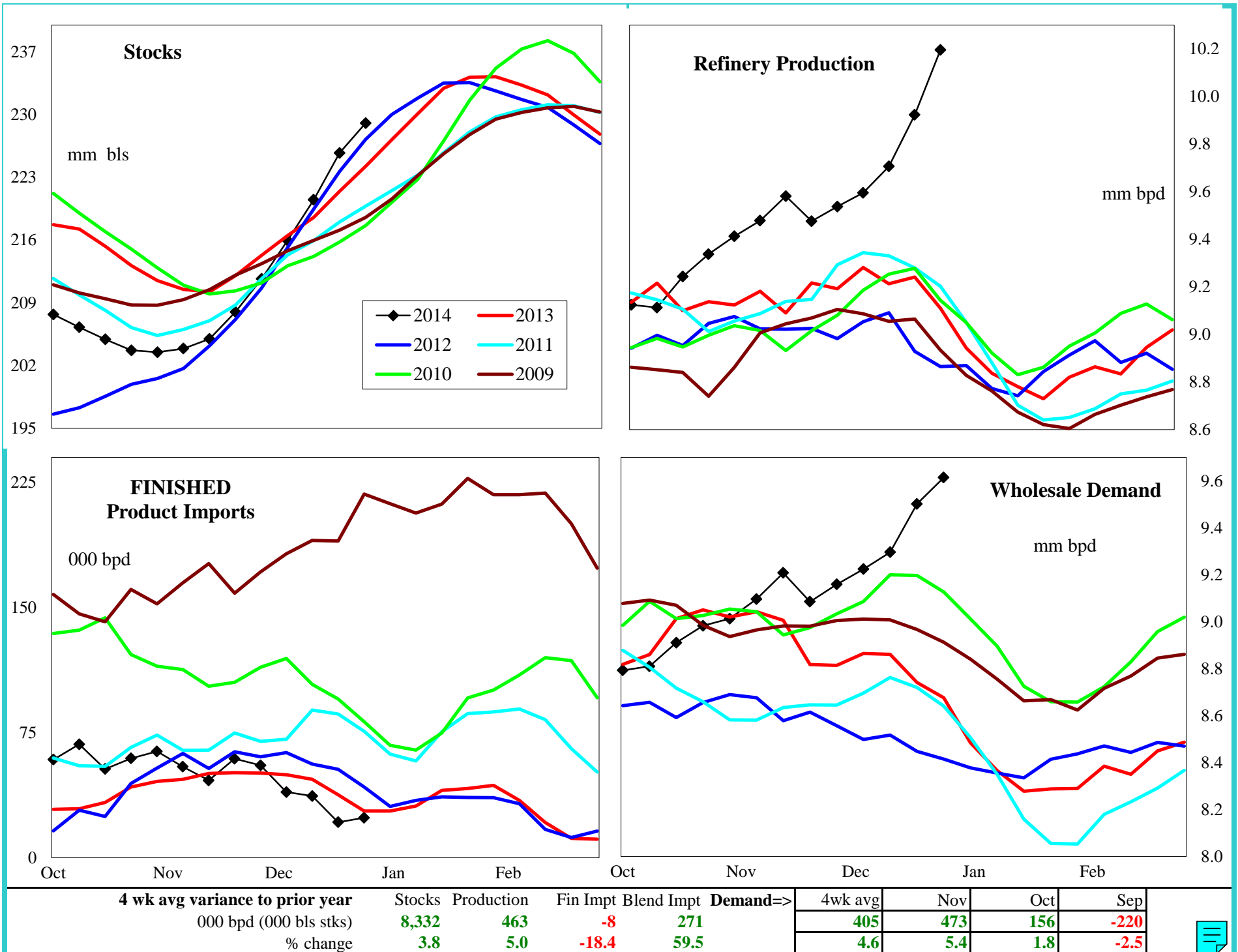
Residual Fuel Oil Imports by PADD



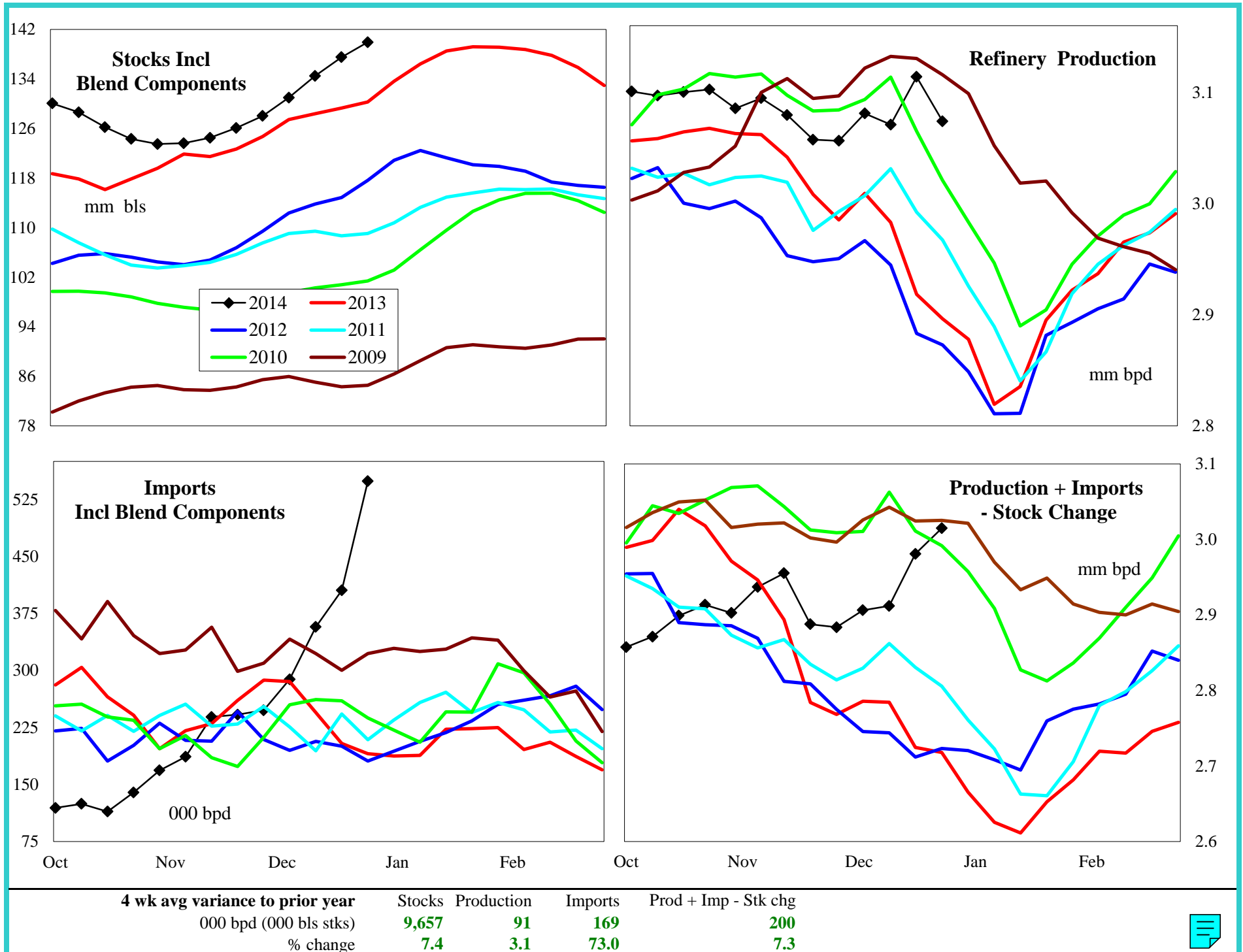
United States Crude Oil Supply and Demand Balance



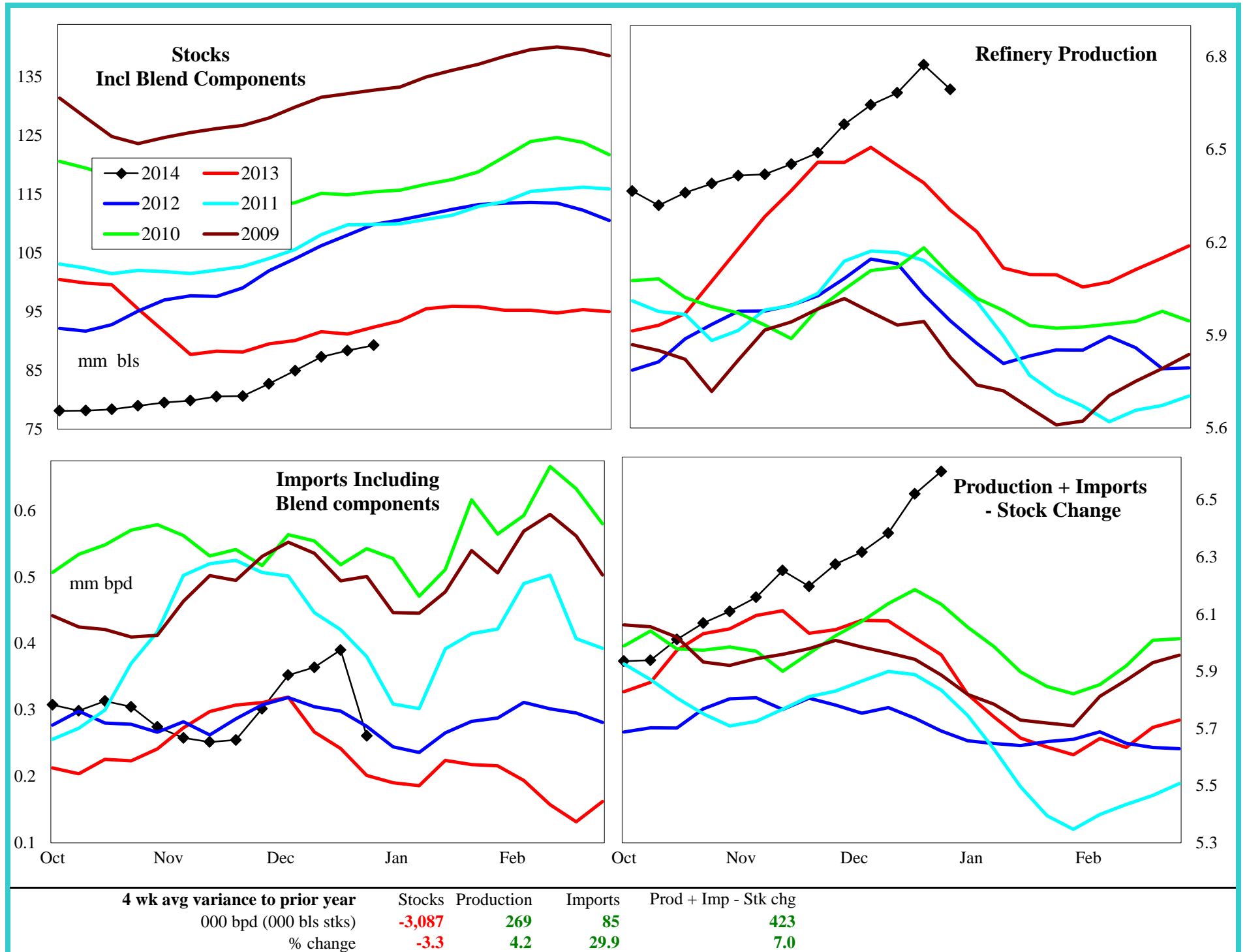
United States Gasoline Supply and Demand Balance



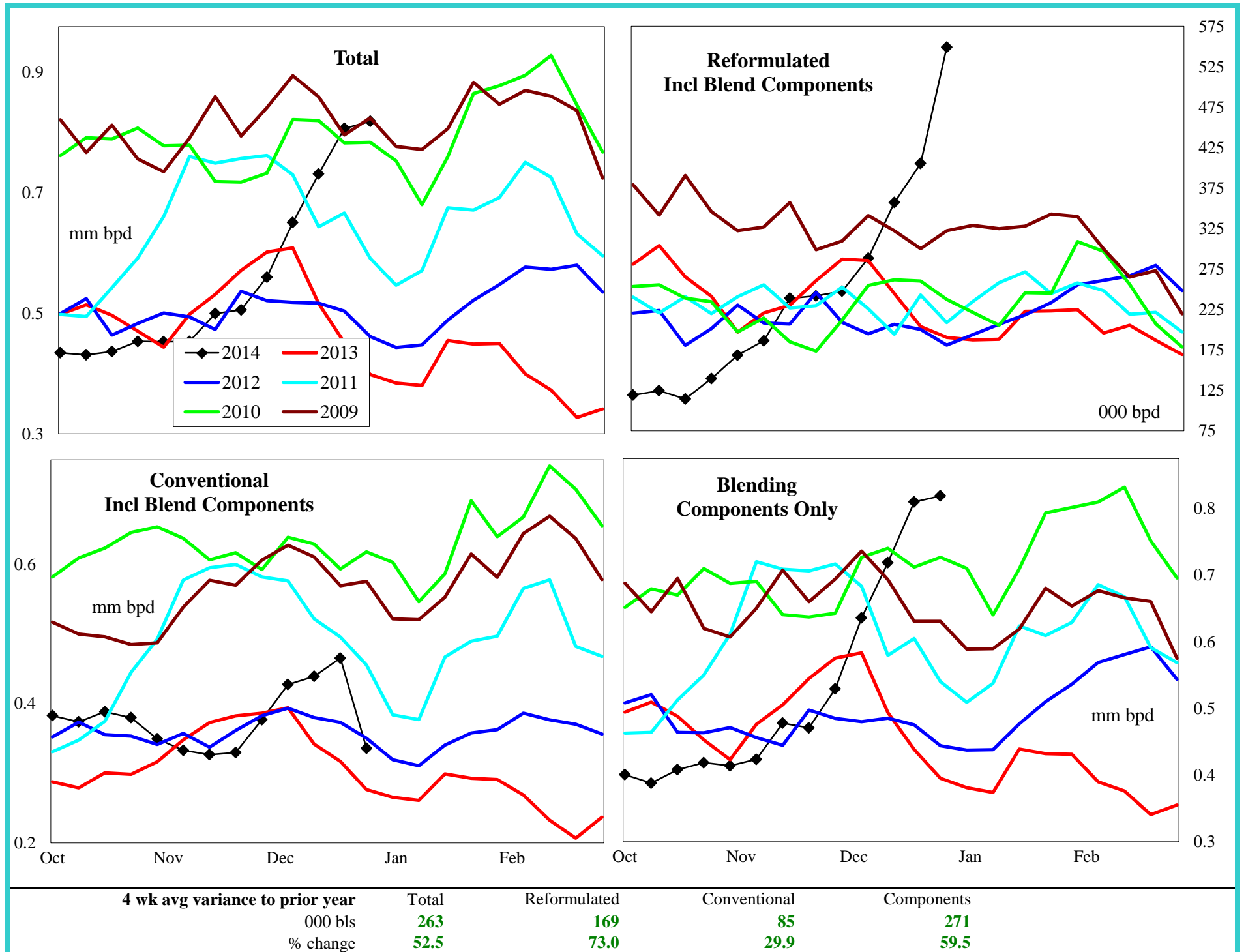
United States Reformulated Gasoline Supply



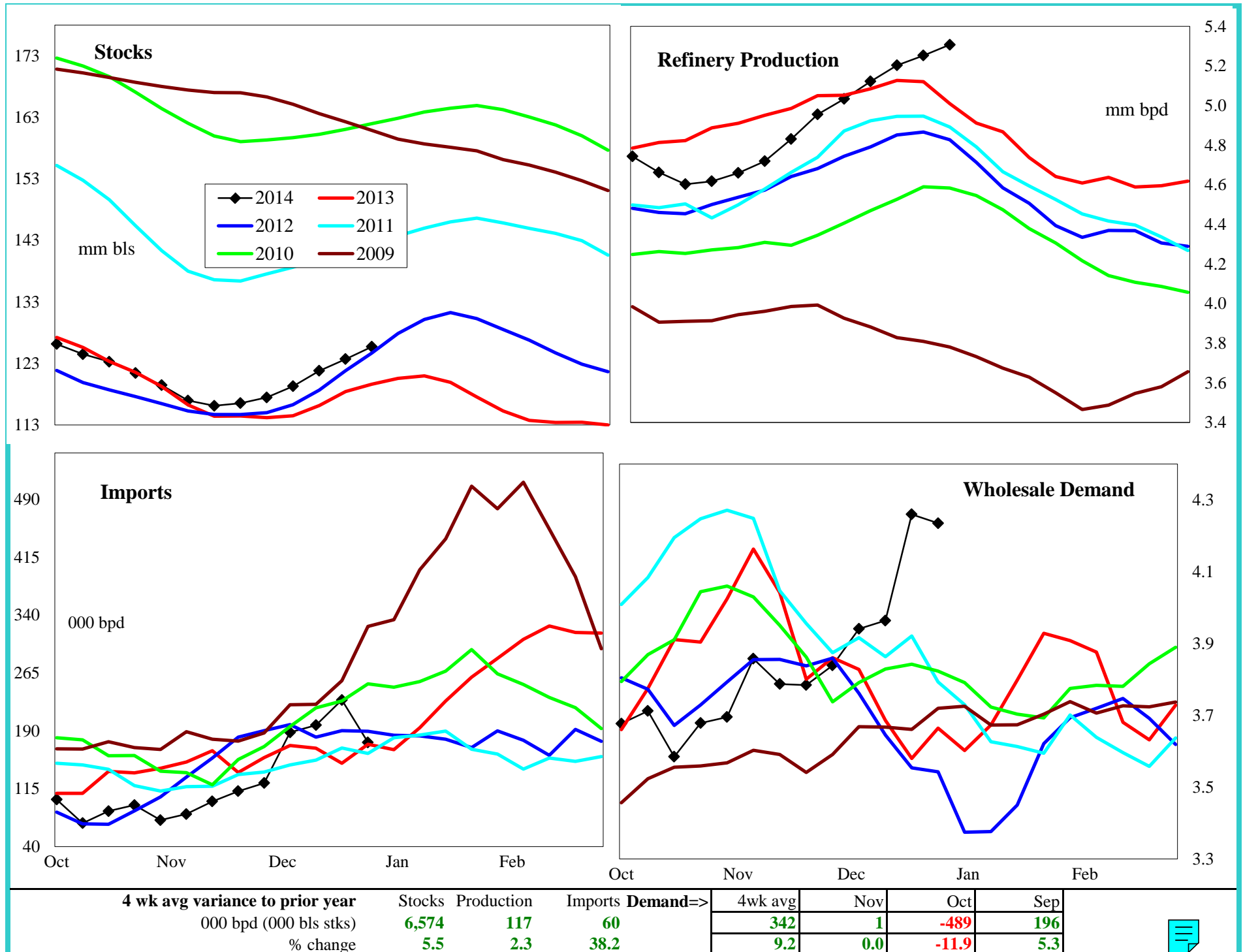
United States Conventional Gasoline Supply



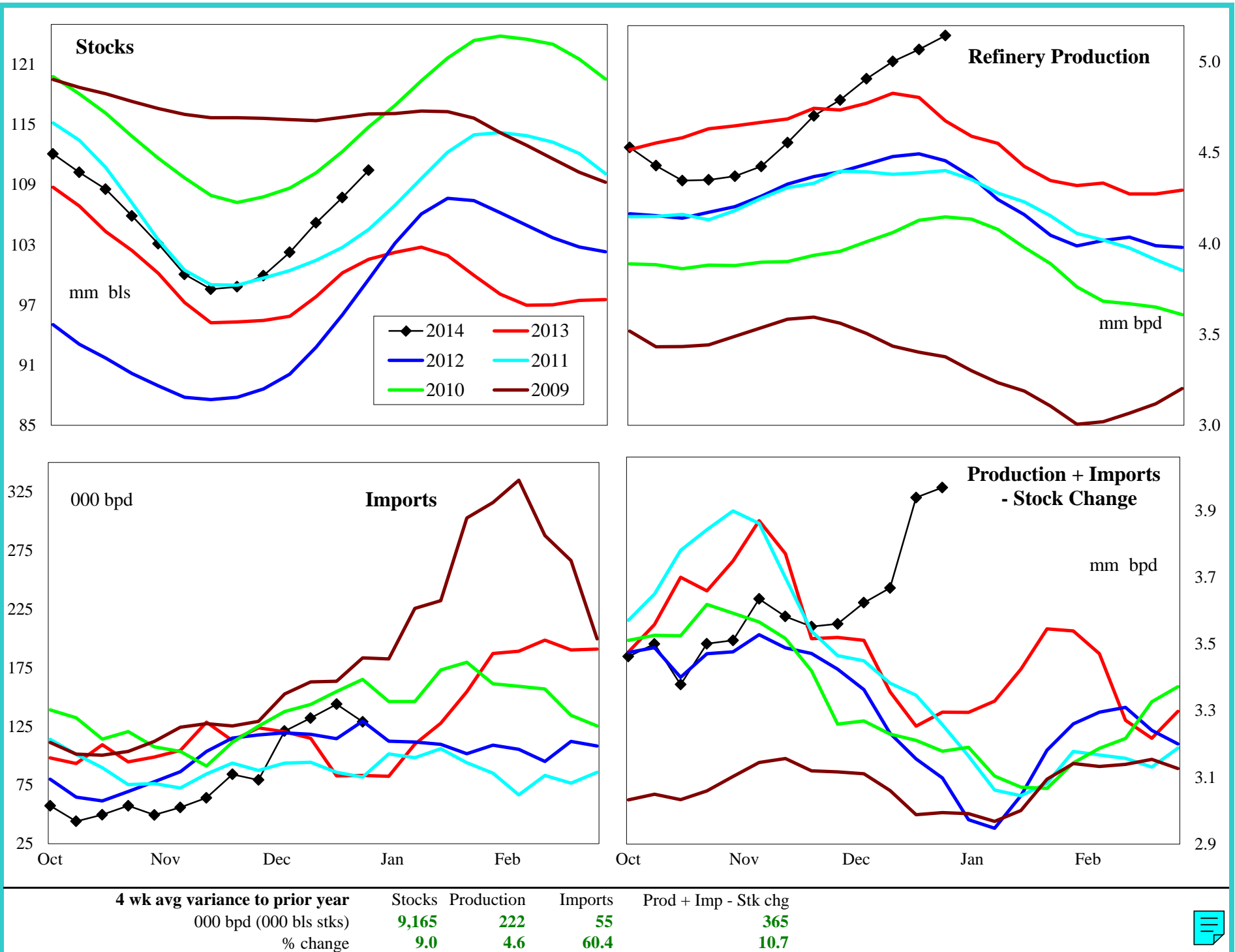
United States Gasoline Imports by Type



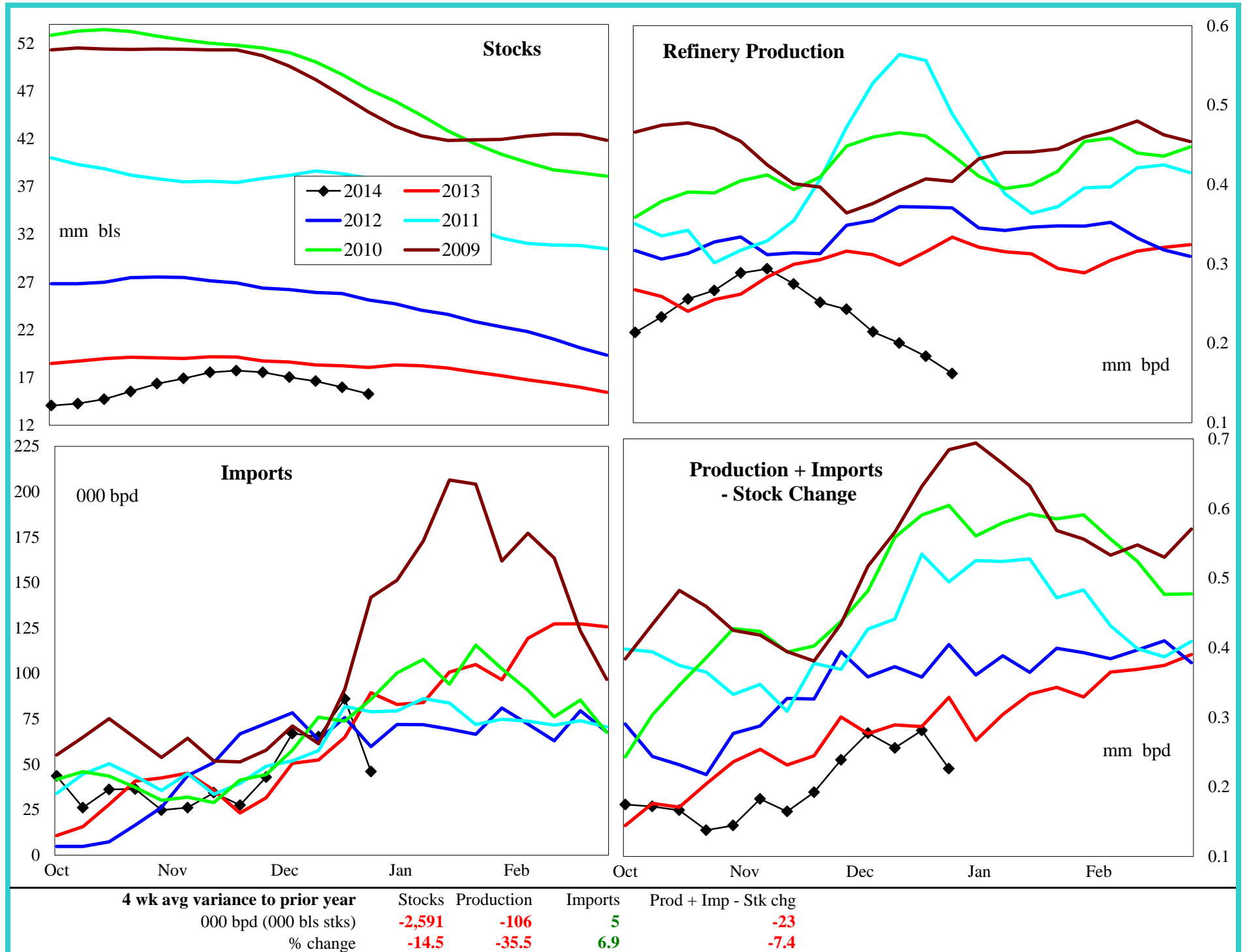
United States Distillate Supply and Demand Balance



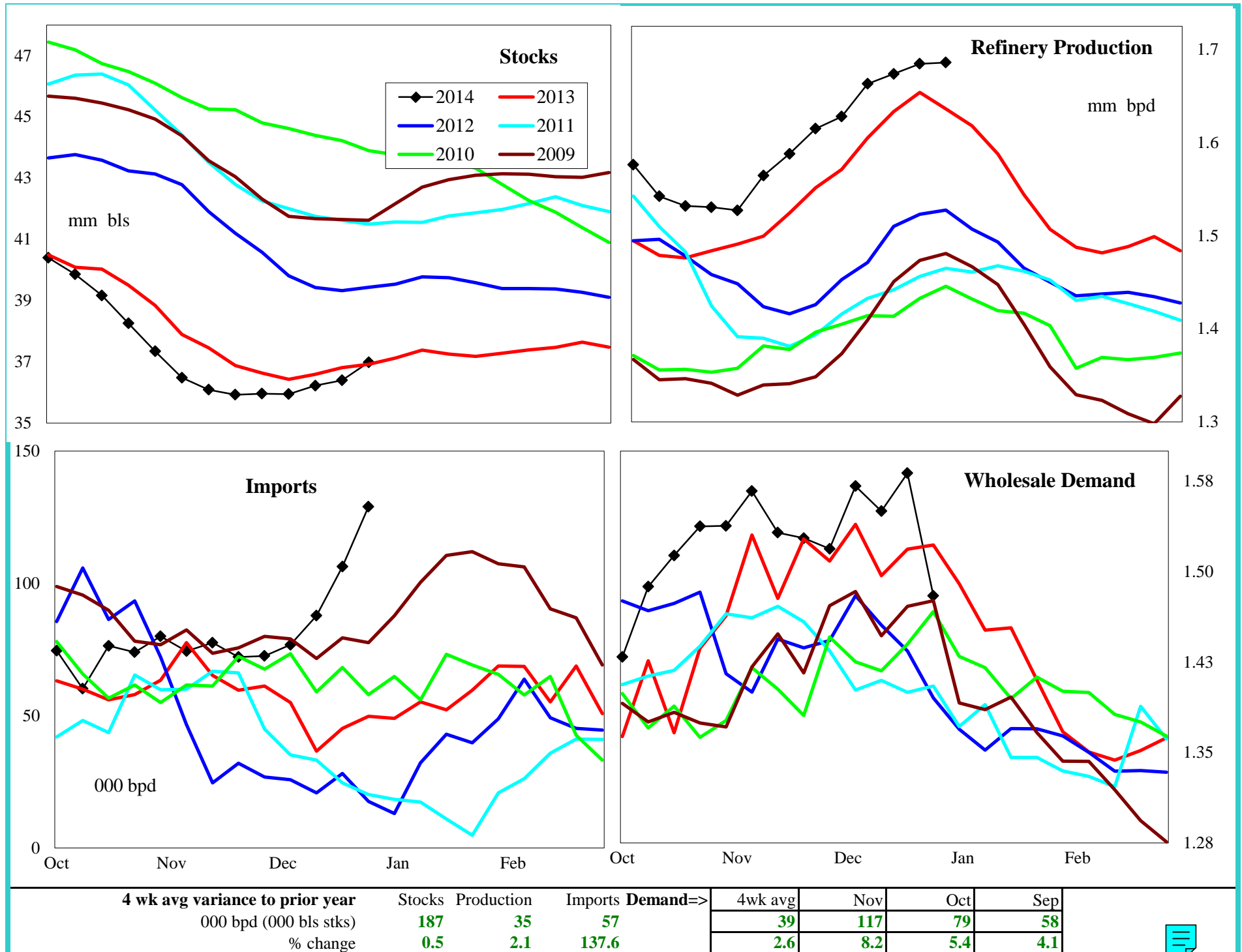
United States Low Sulfur Distillate Supply



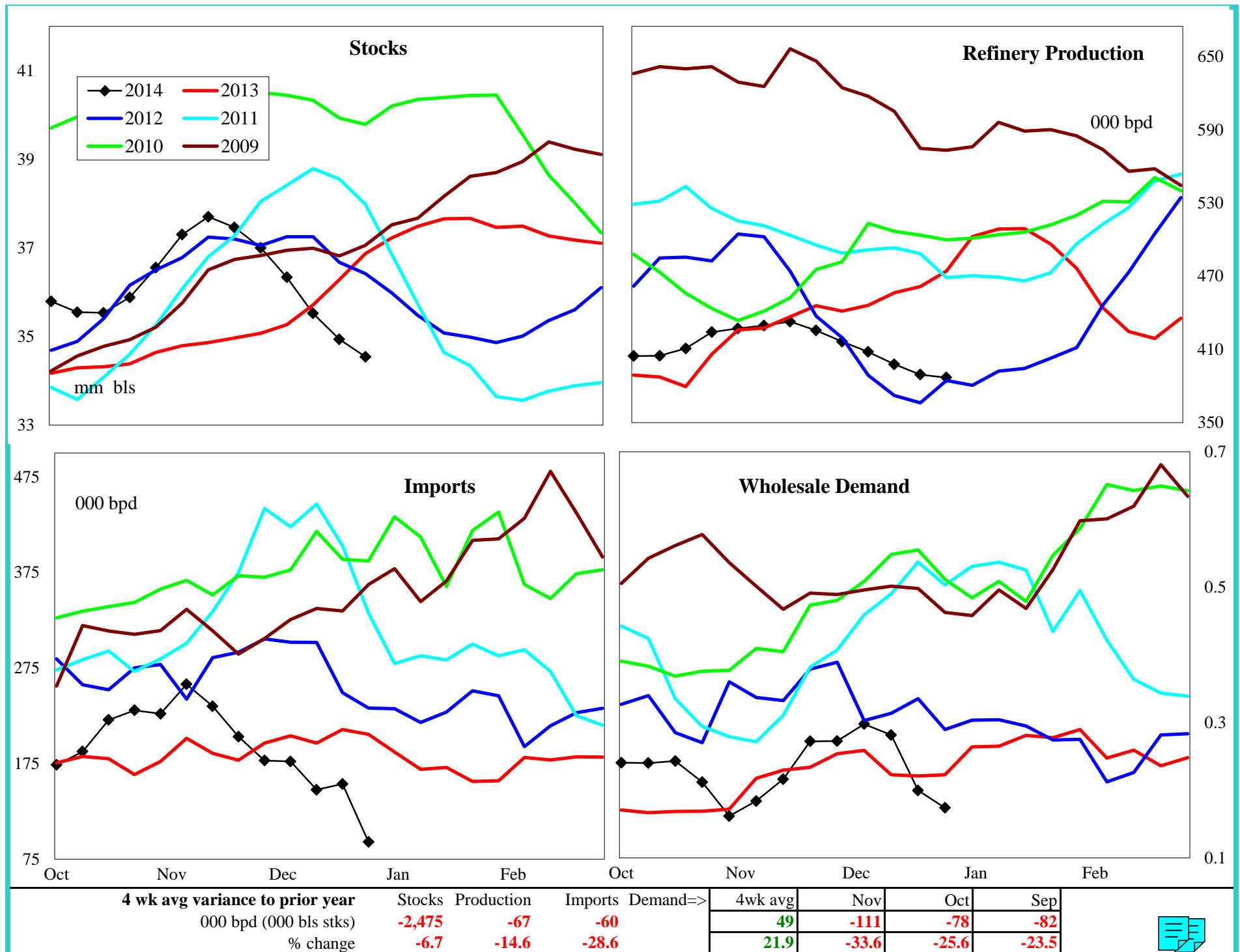
United States High Sulfur Distillate Supply



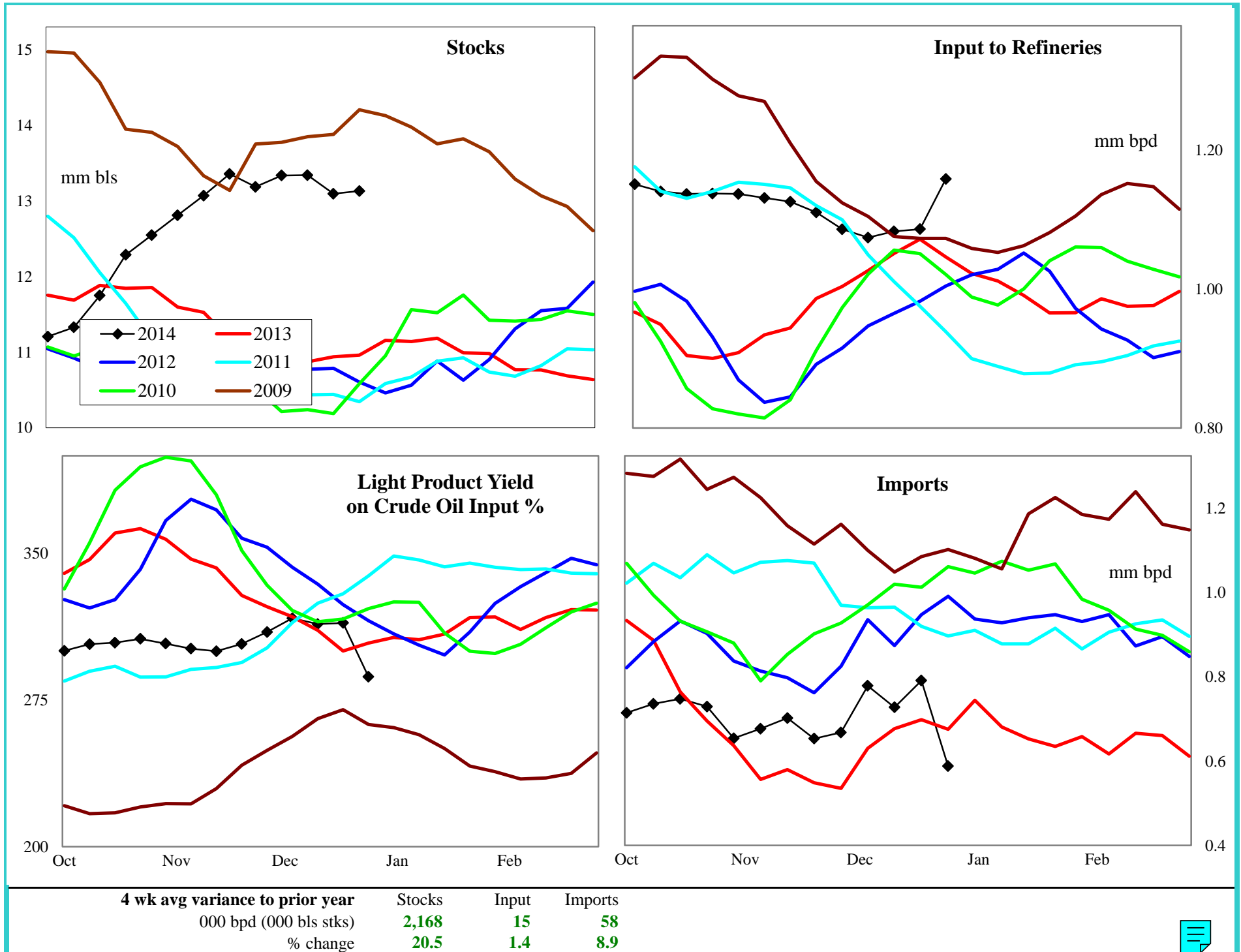
United States Jet Fuel Supply and Demand Balance



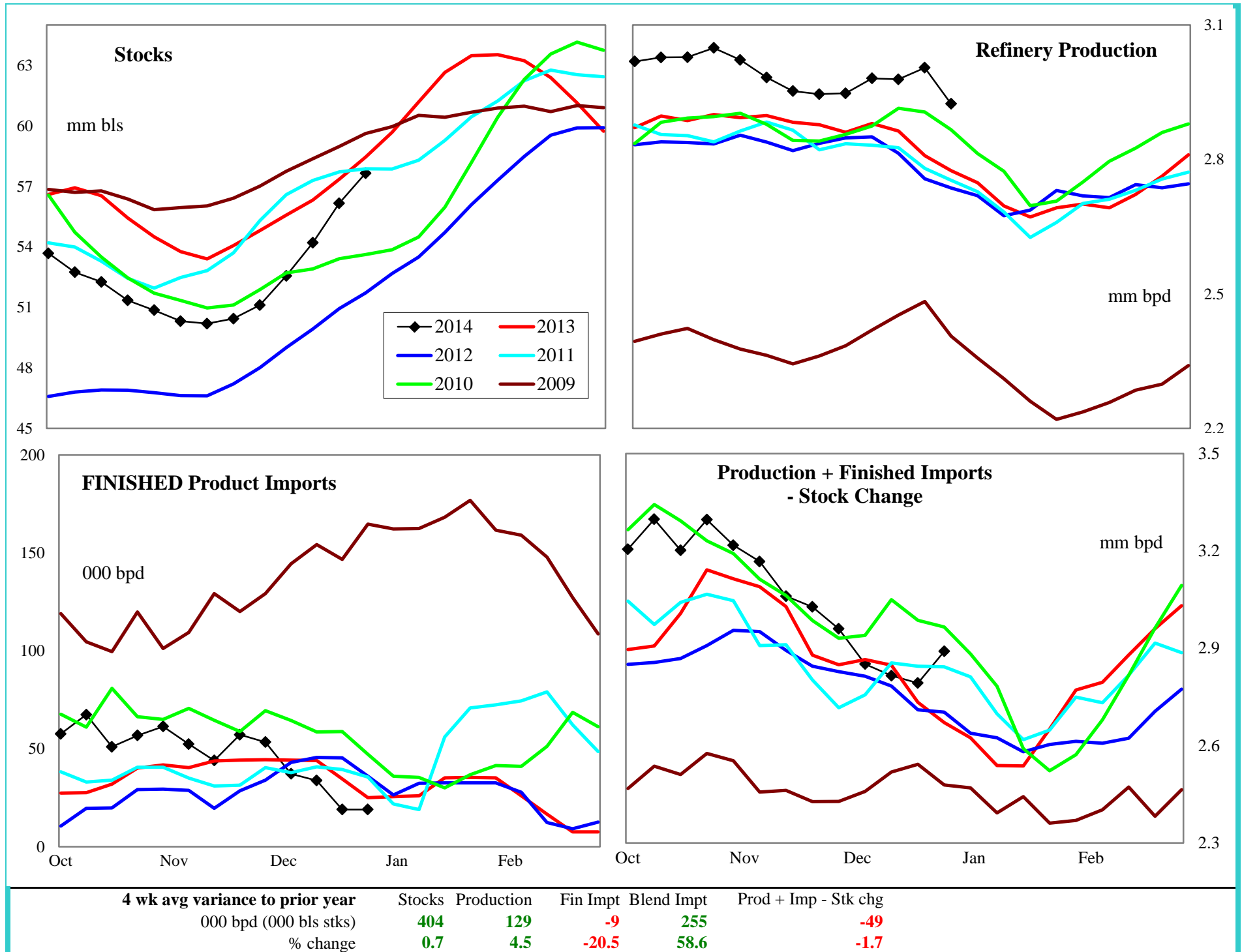
United States Residual Fuel Oil Supply and Demand Balance



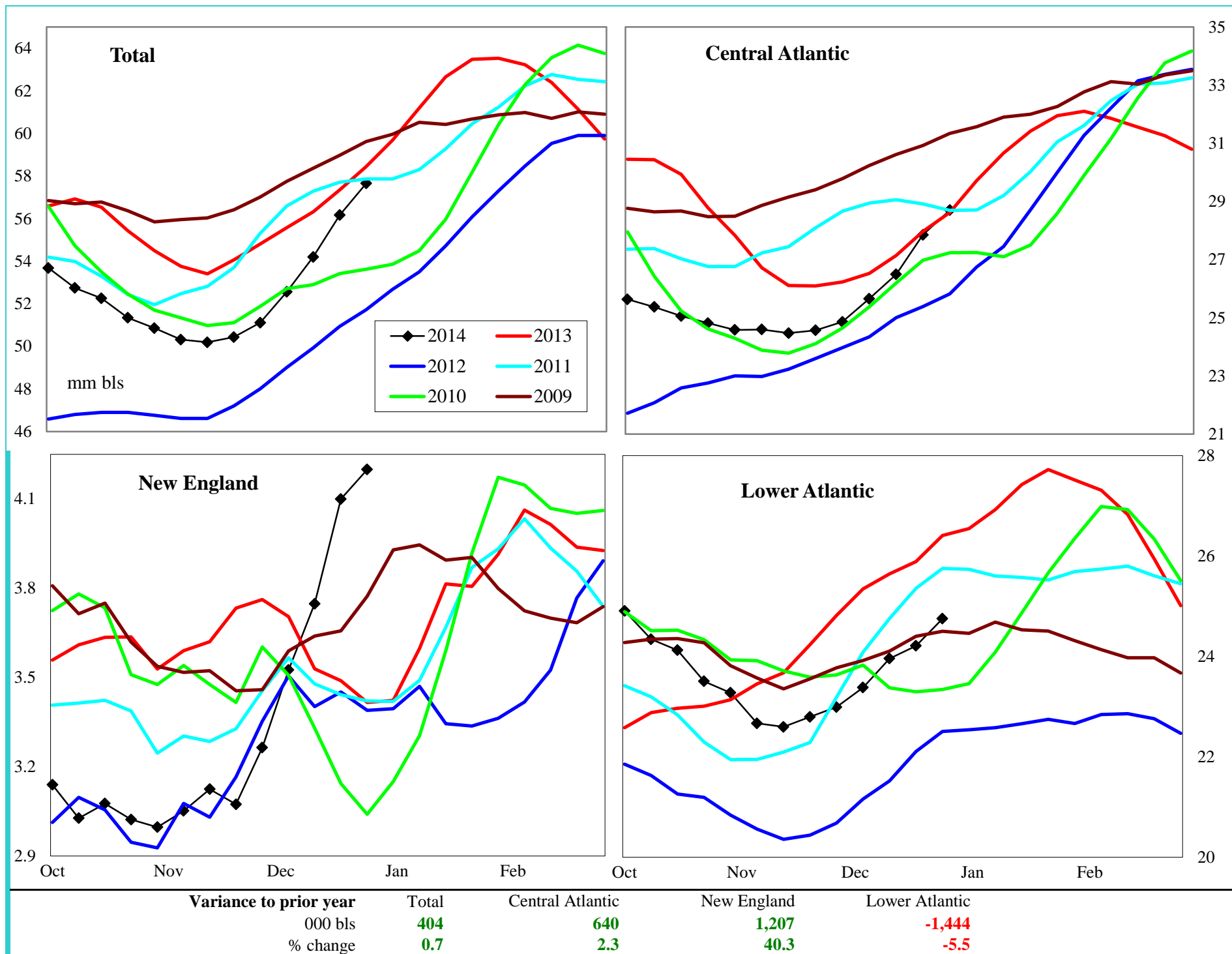
PADD 1 Crude Oil Supply and Refining



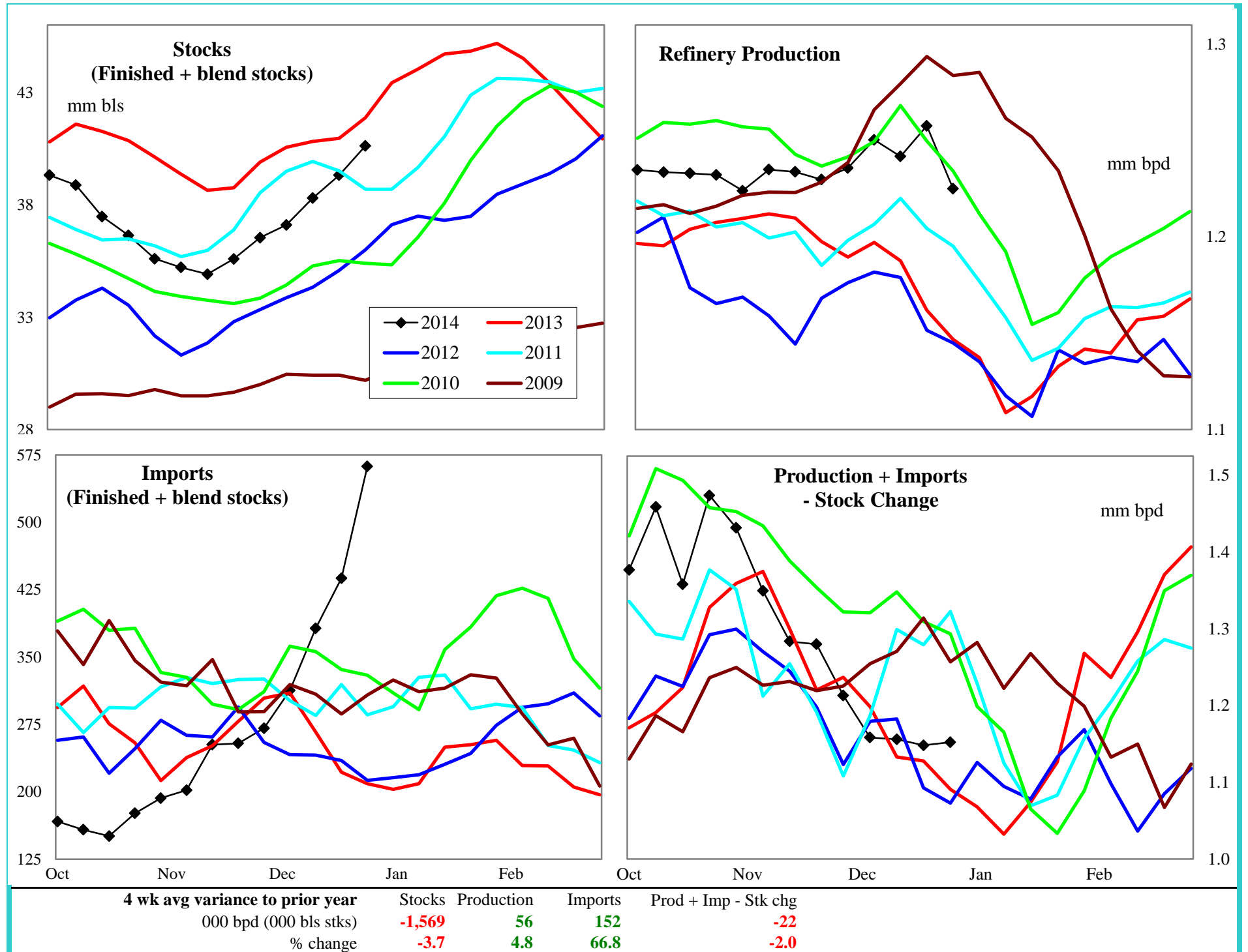
PADD 1 Gasoline Supply



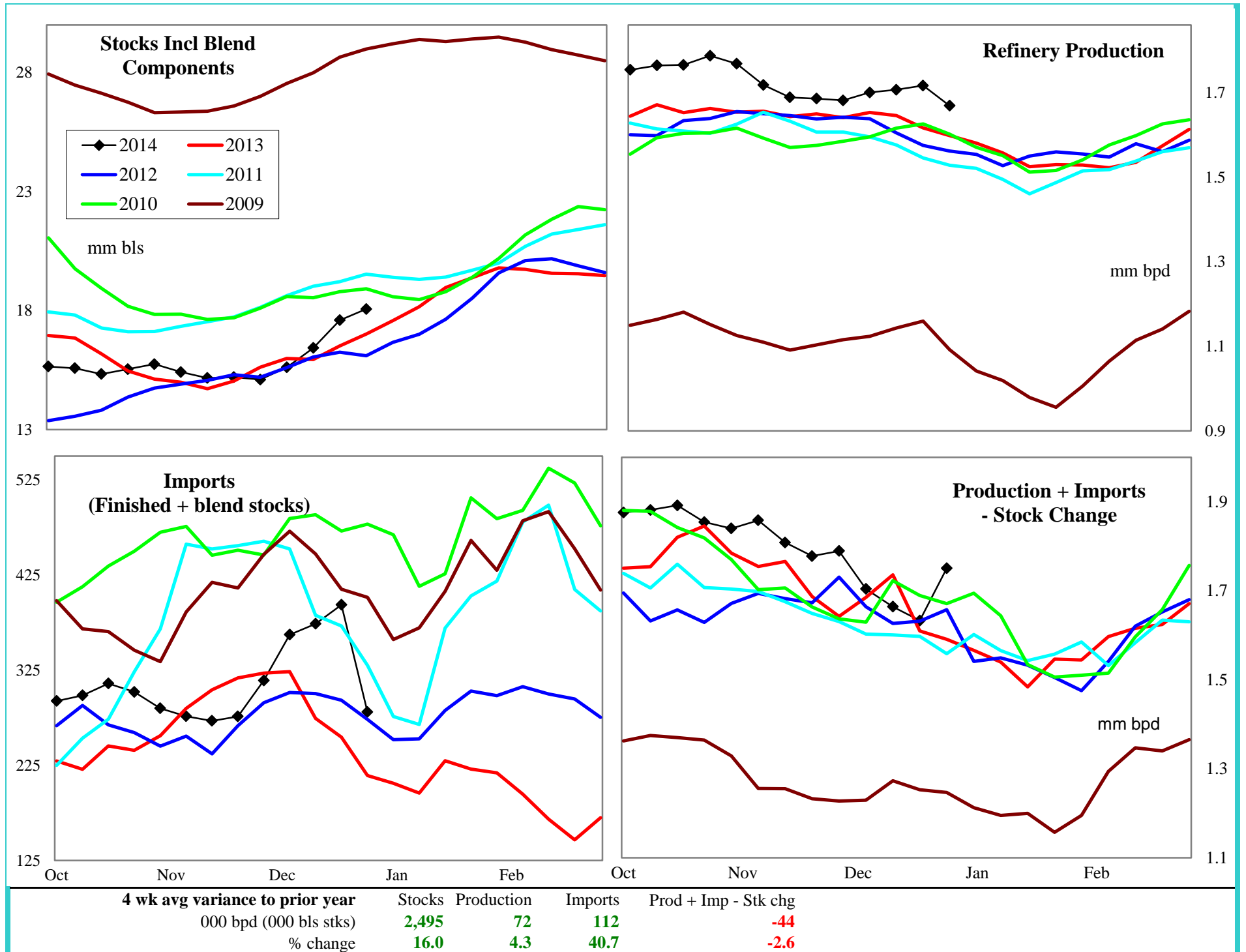
PADD 1 Gasoline Stocks by Region



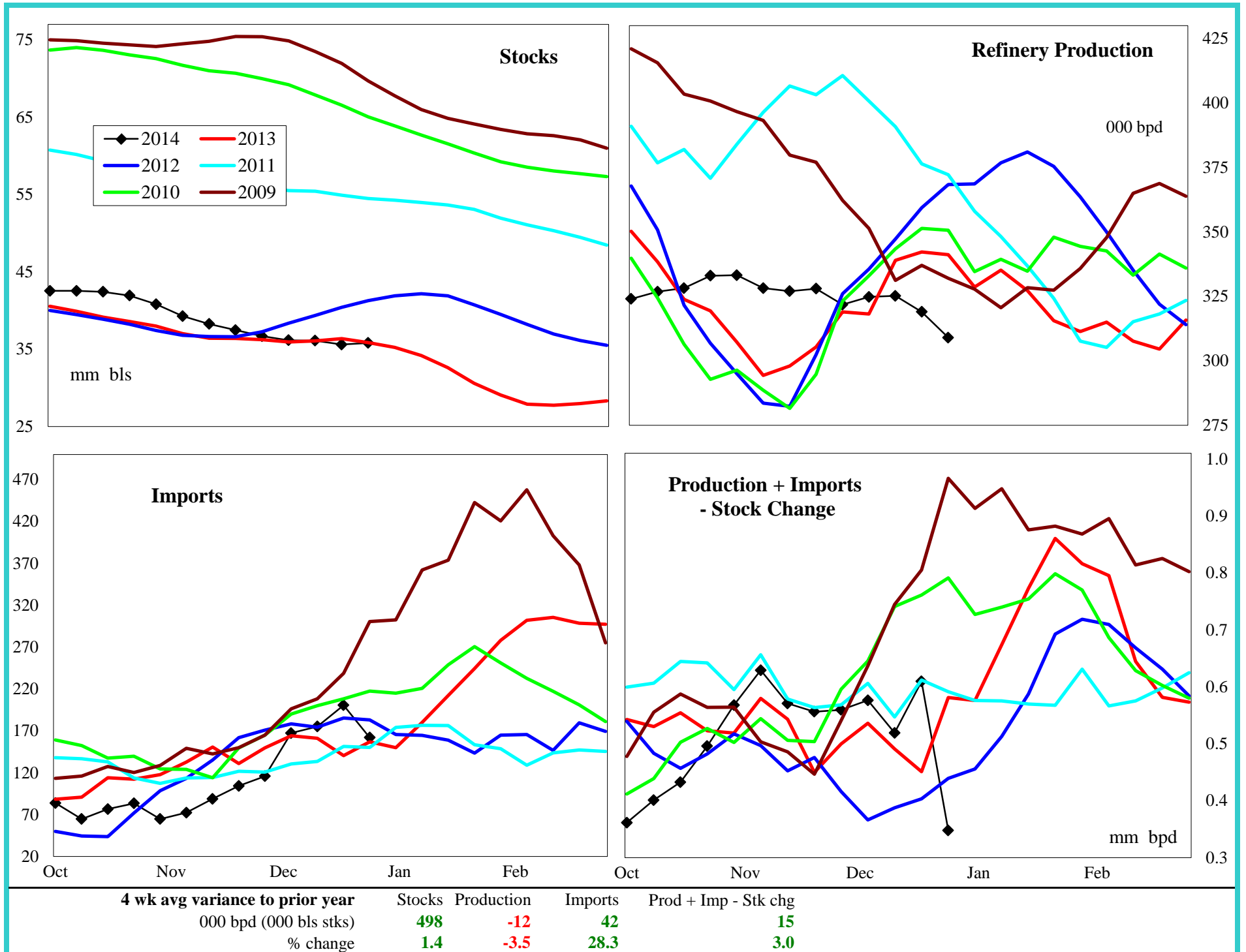
PADD 1 Reformulated Gasoline Supply



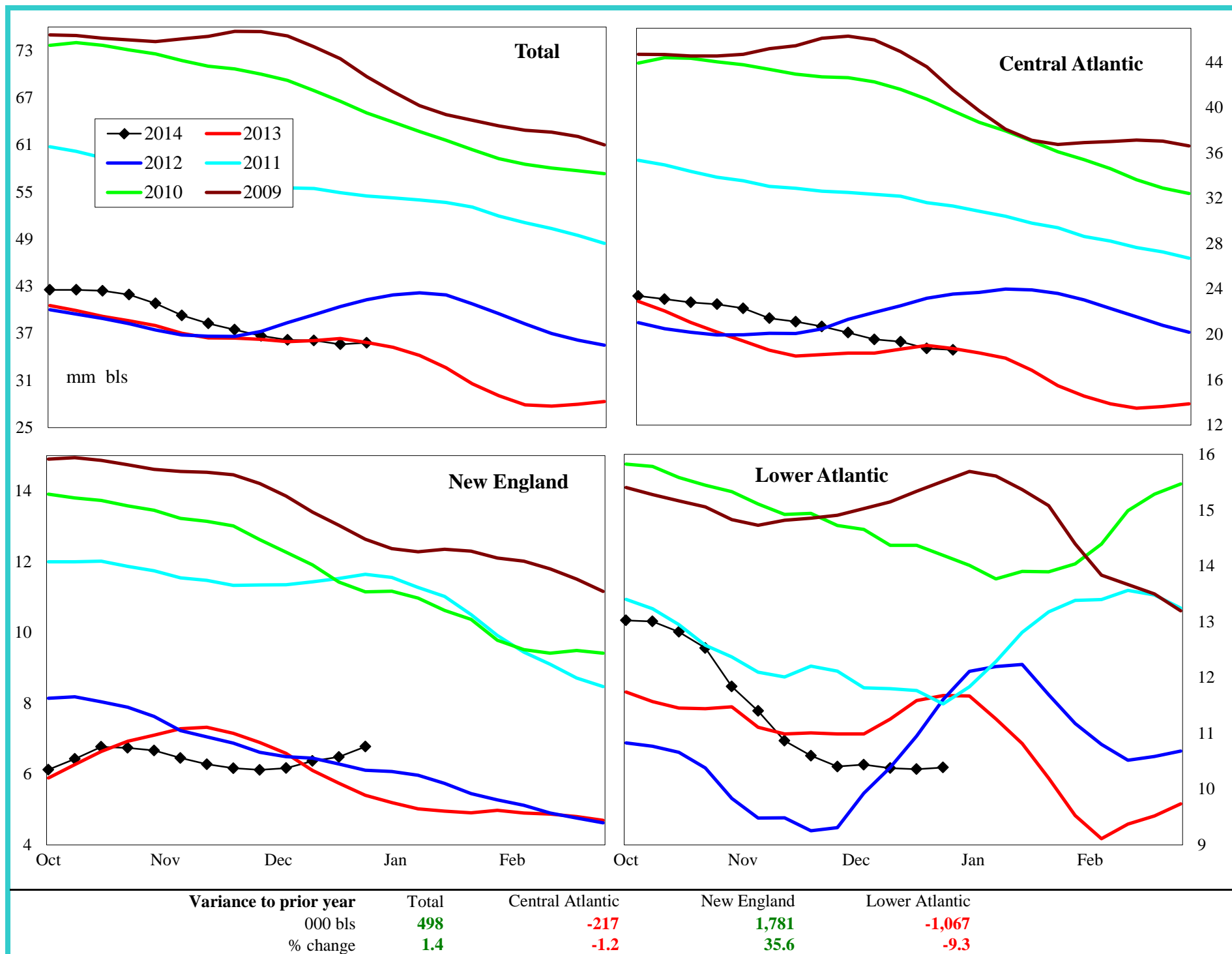
PADD 1 Conventional Gasoline Supply



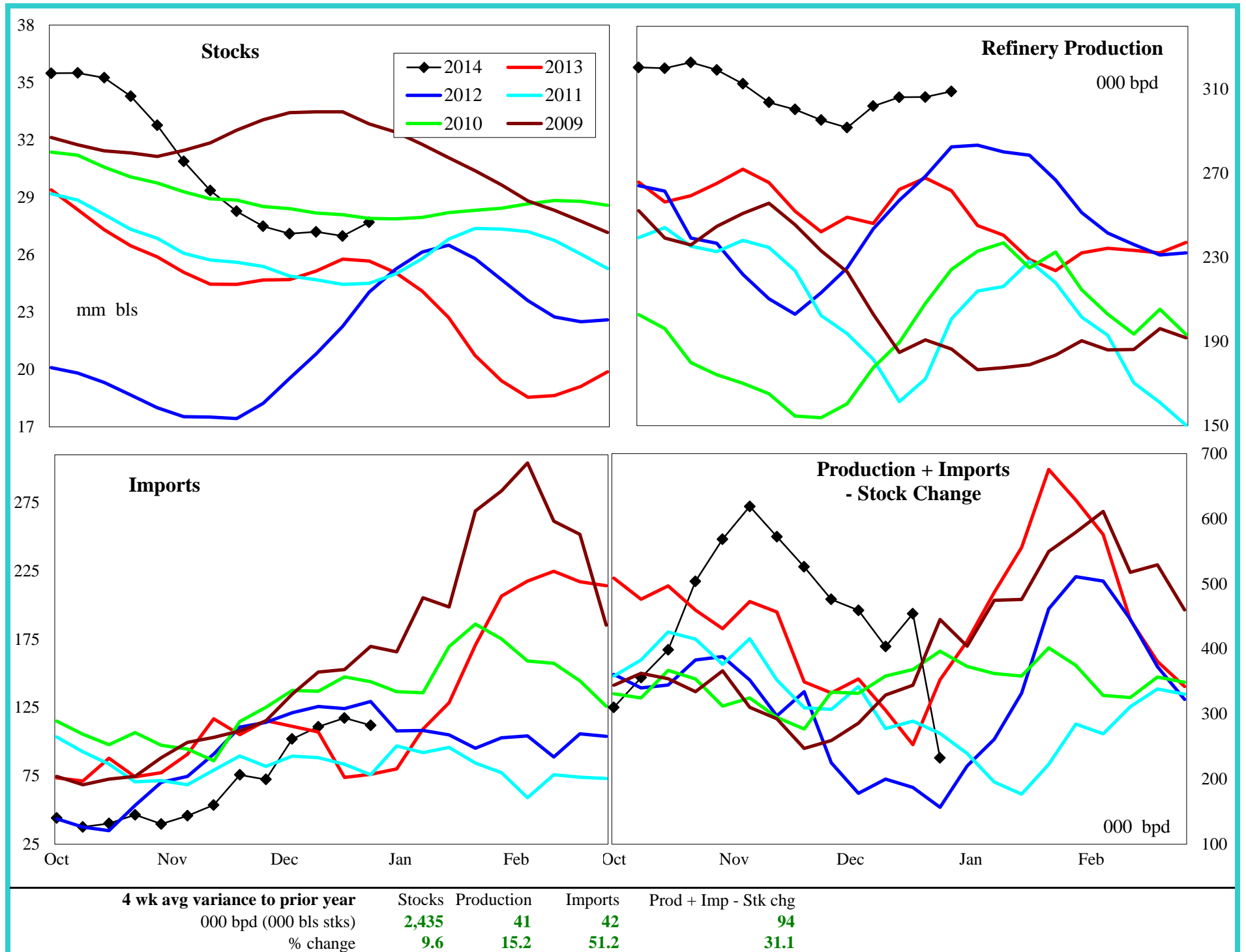
PADD 1 Distillate Supply



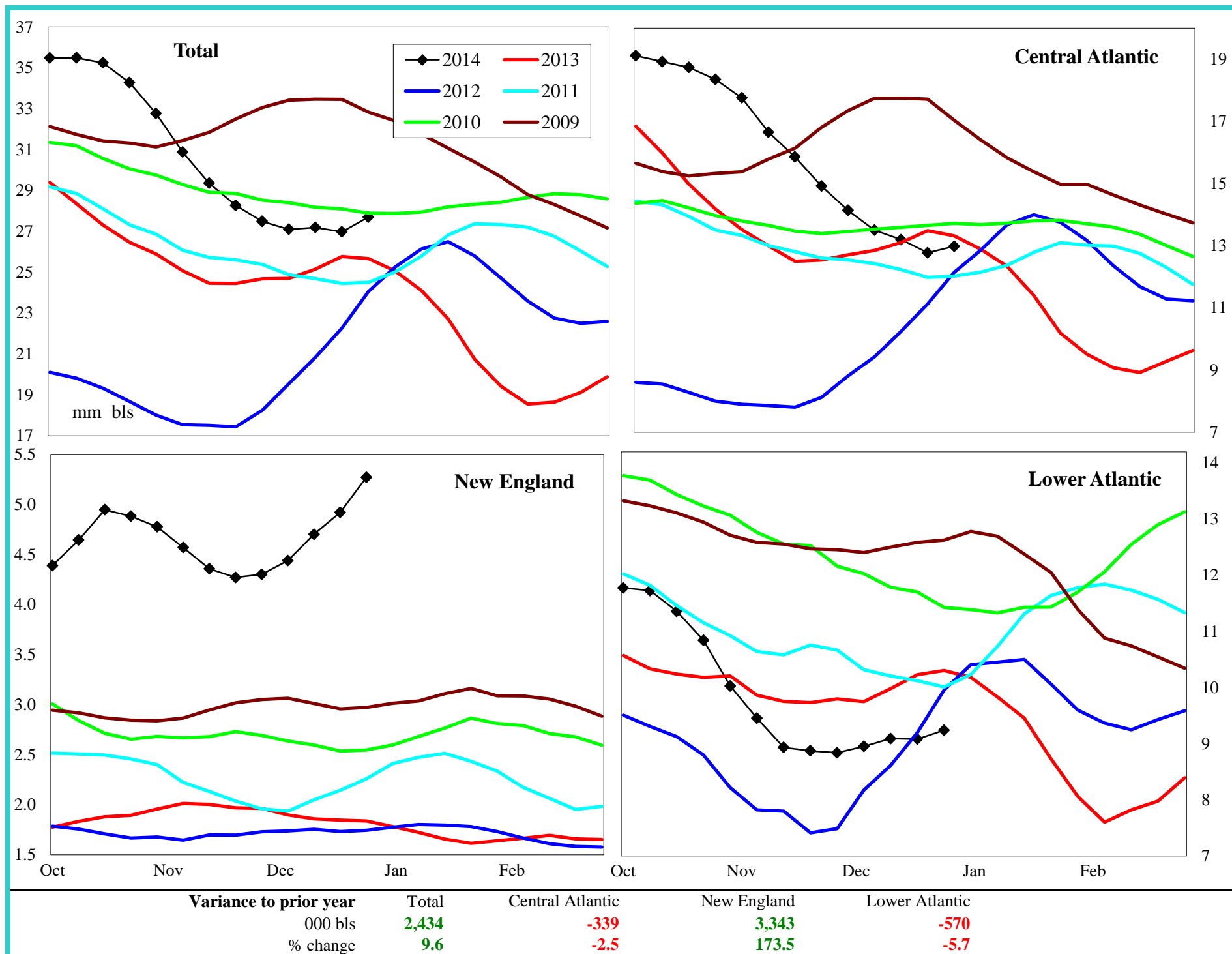
PADD 1 Distillate Stocks by Region



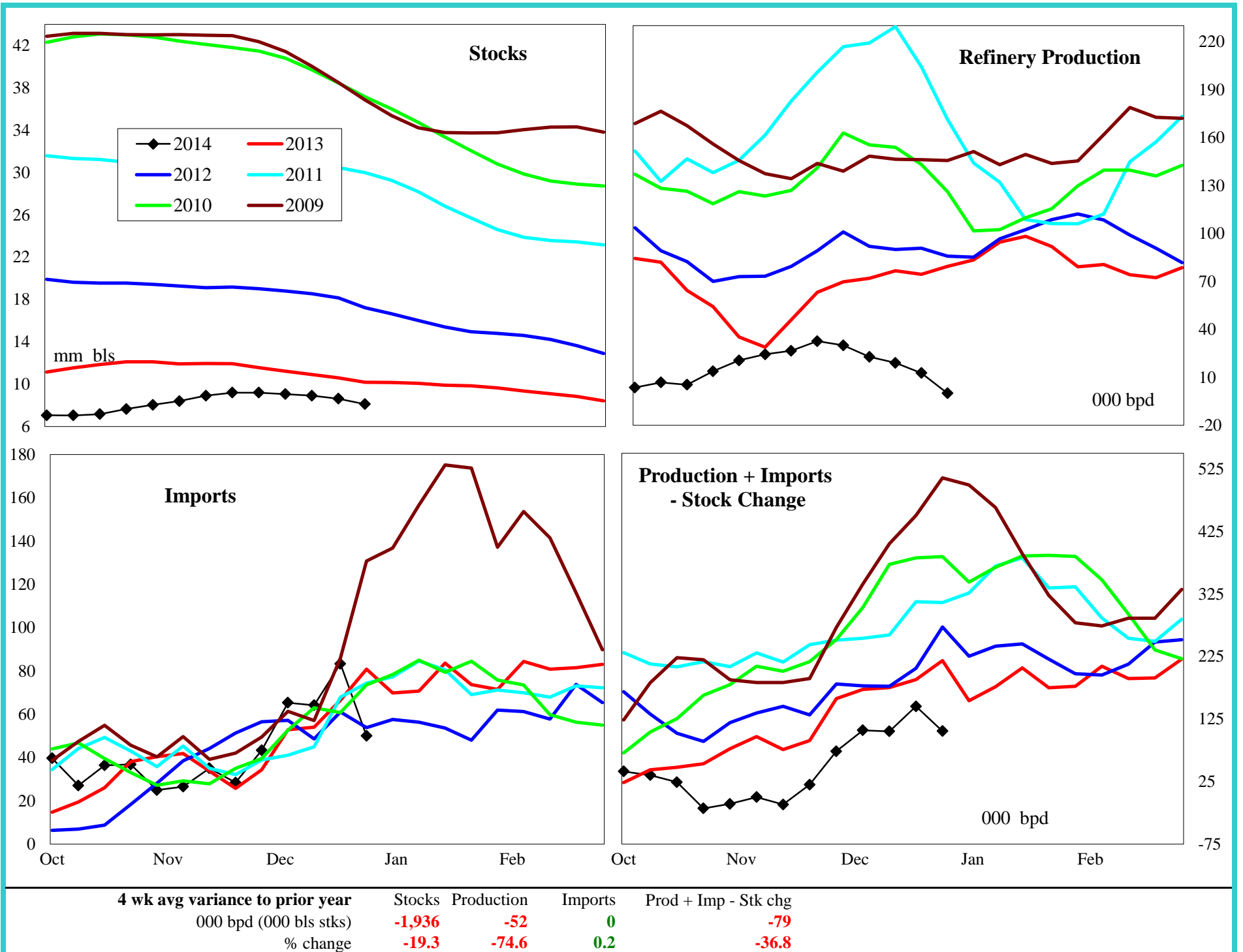
PADD 1 Low Sulfur Distillate Supply



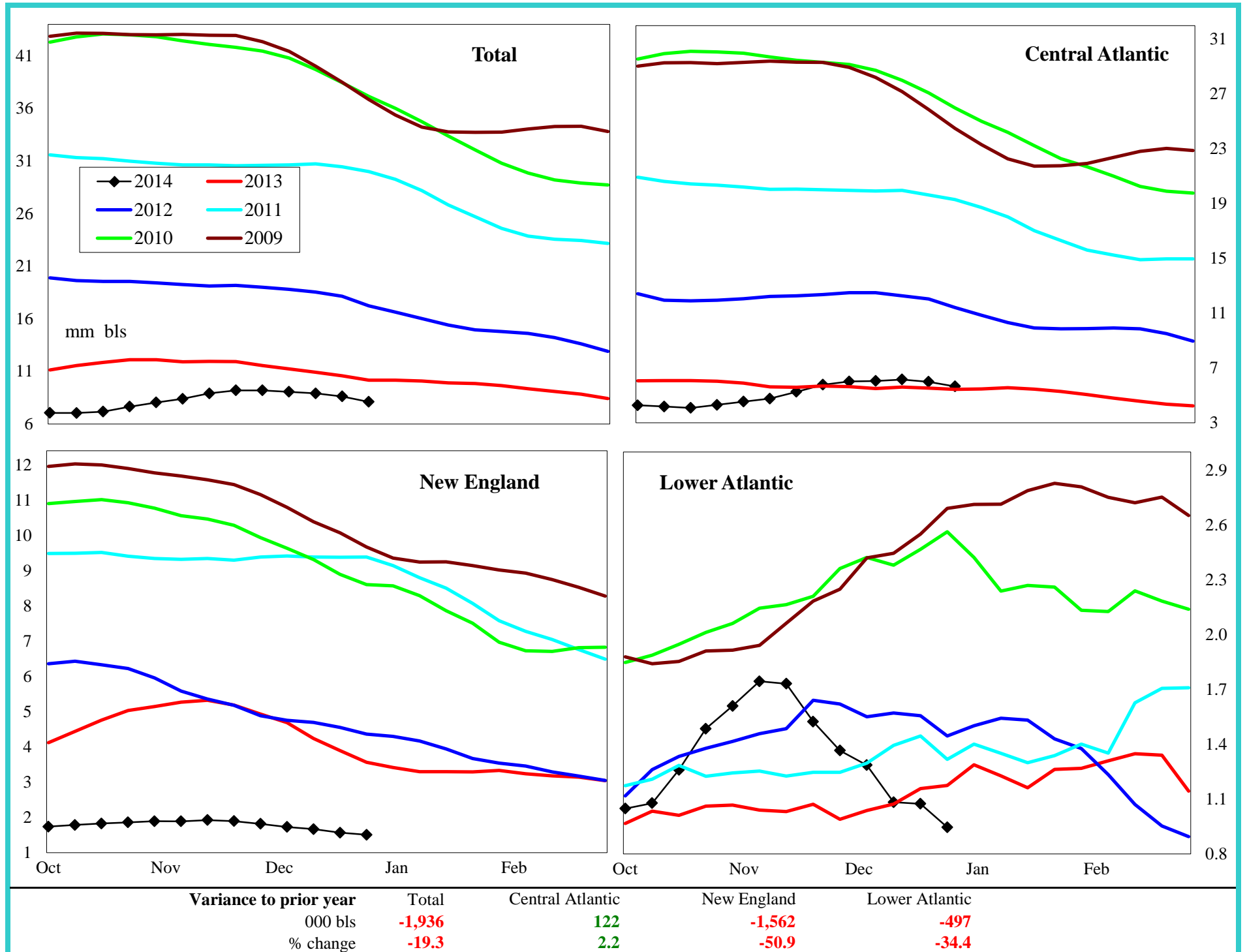
PADD 1 Low Sulfur Distillate Stocks by Region



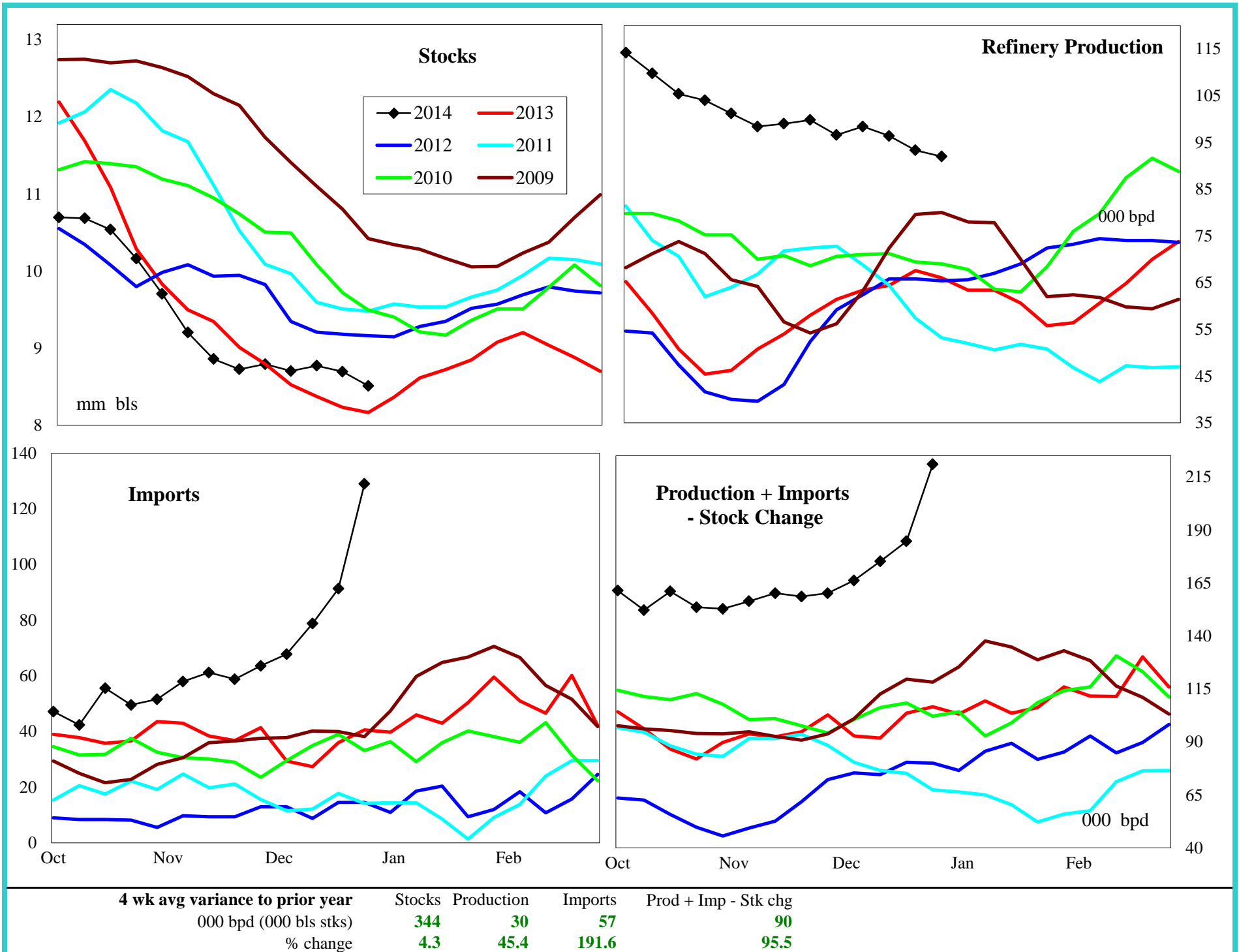
PADD 1 High Sulfur Distillate Supply



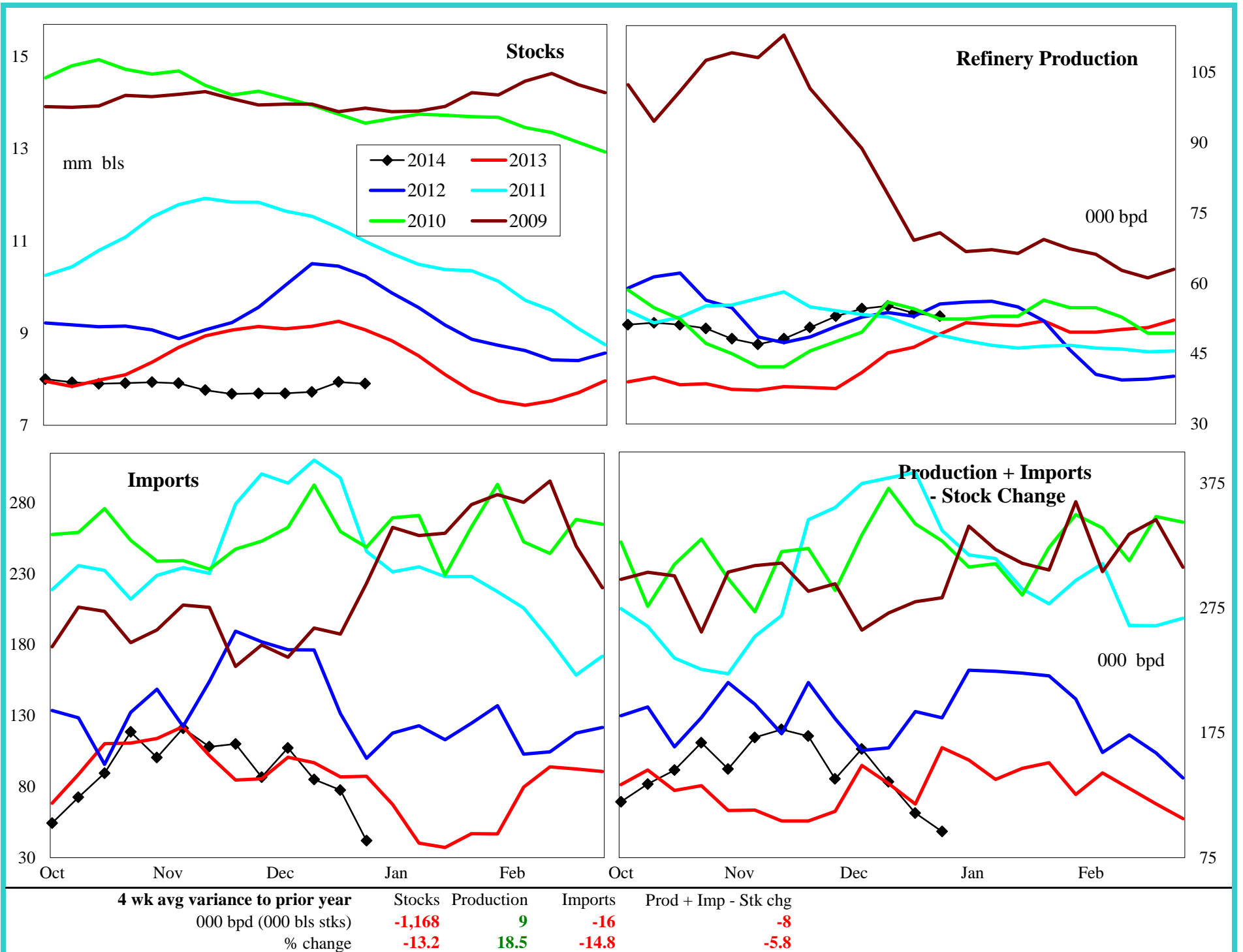
PADD 1 High Sulfur Distillate Stocks by Region



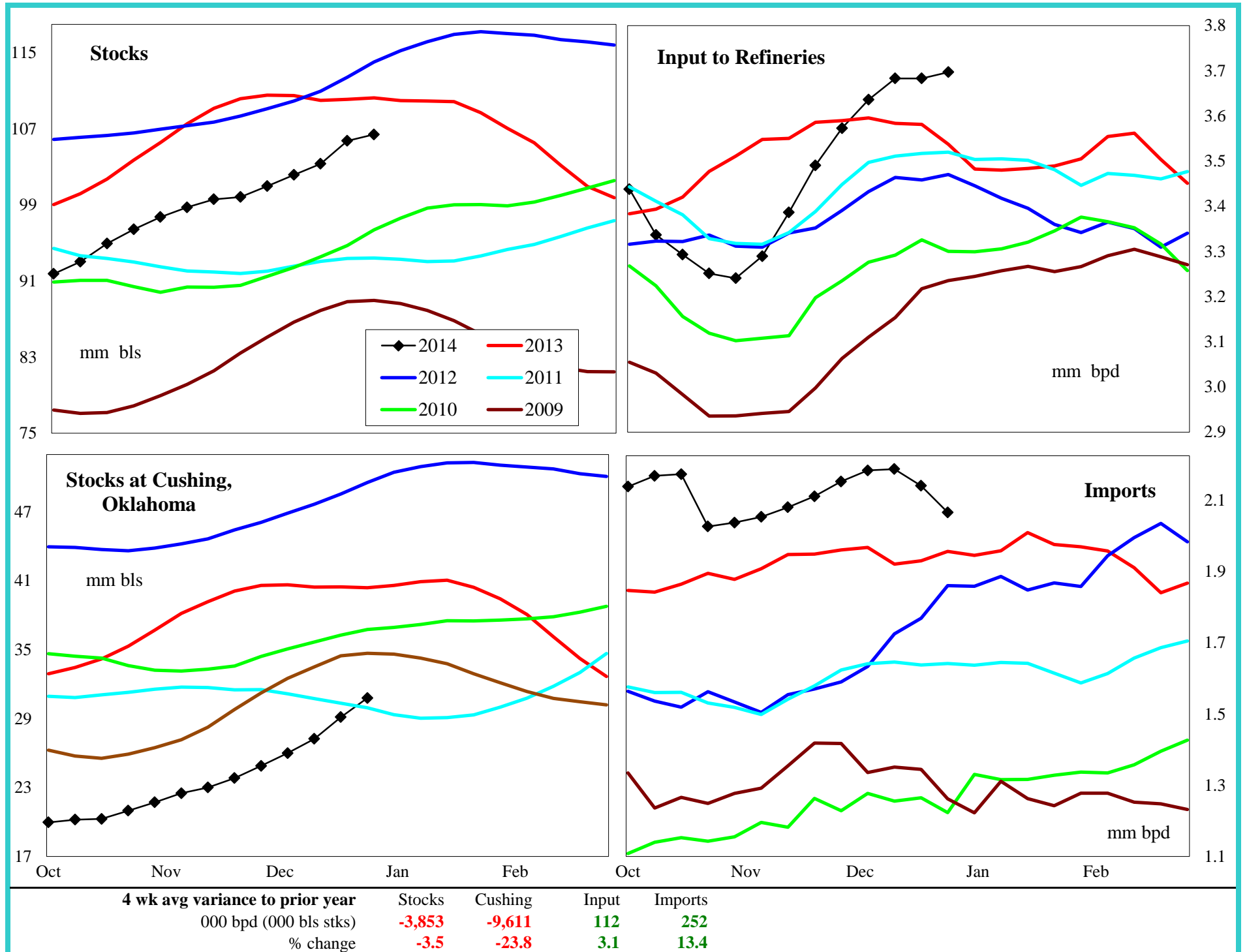
PADD 1 Jet Fuel Supply



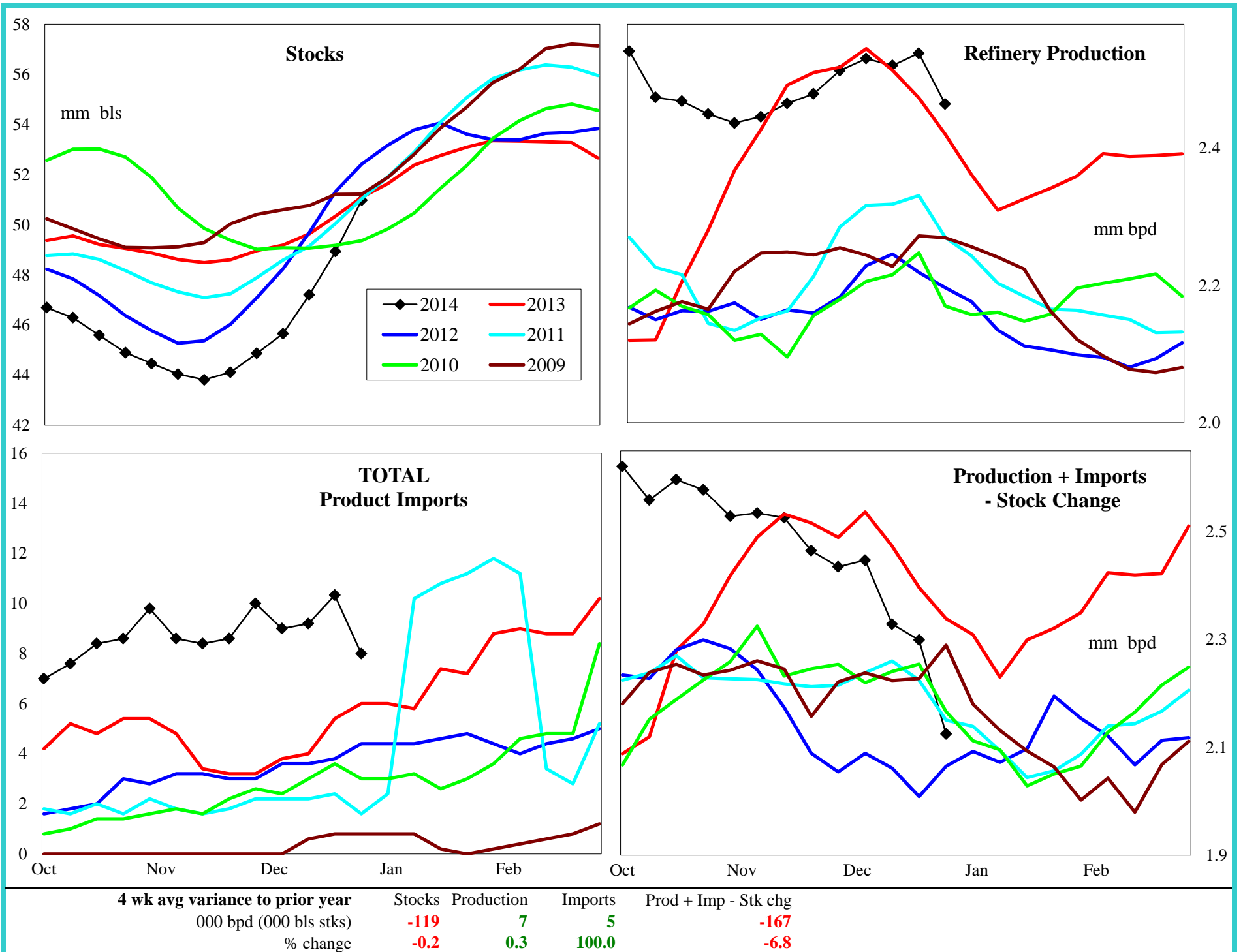
PADD 1 Residual Fuel Oil Supply



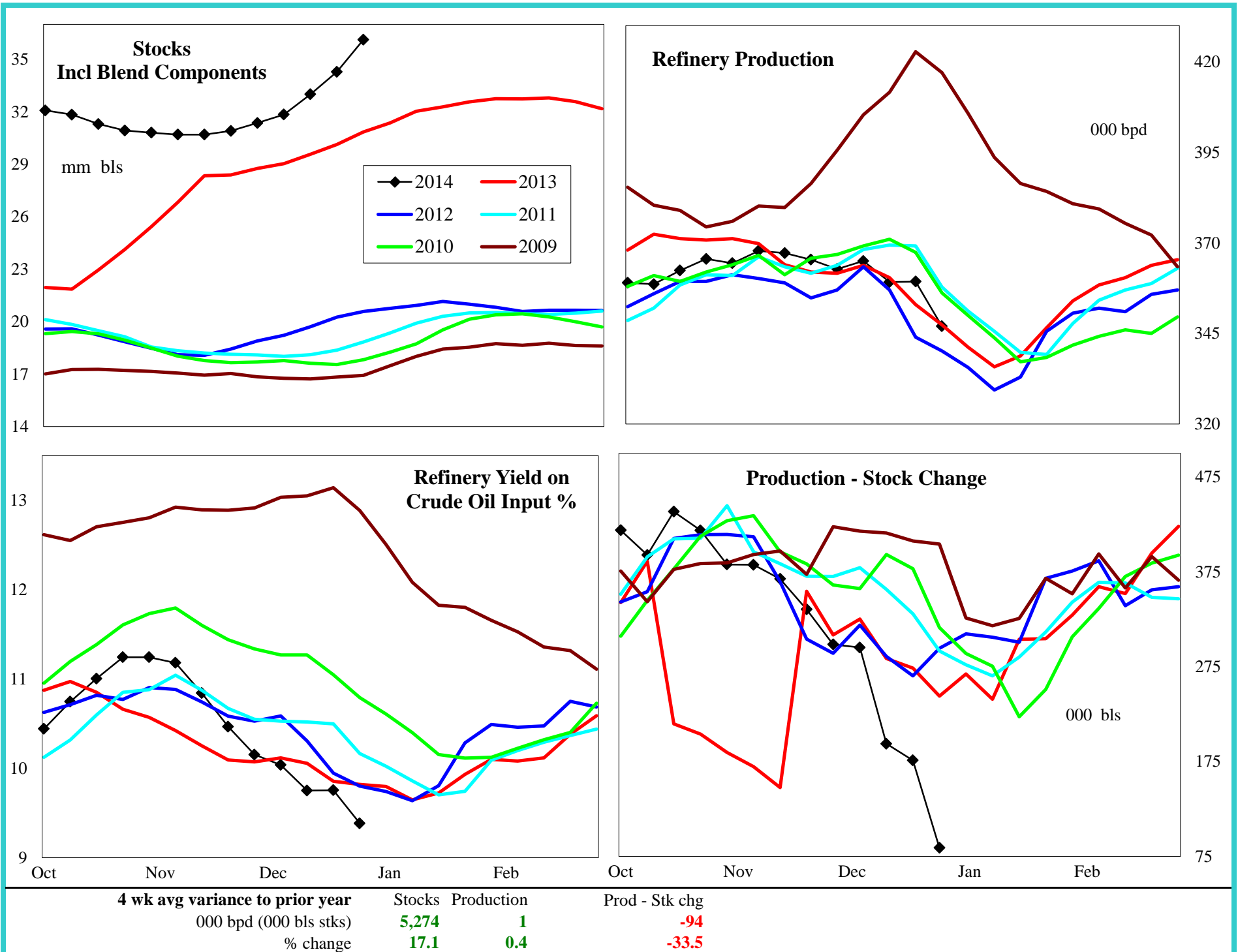
PADD 2 Crude Oil Supply and Refining



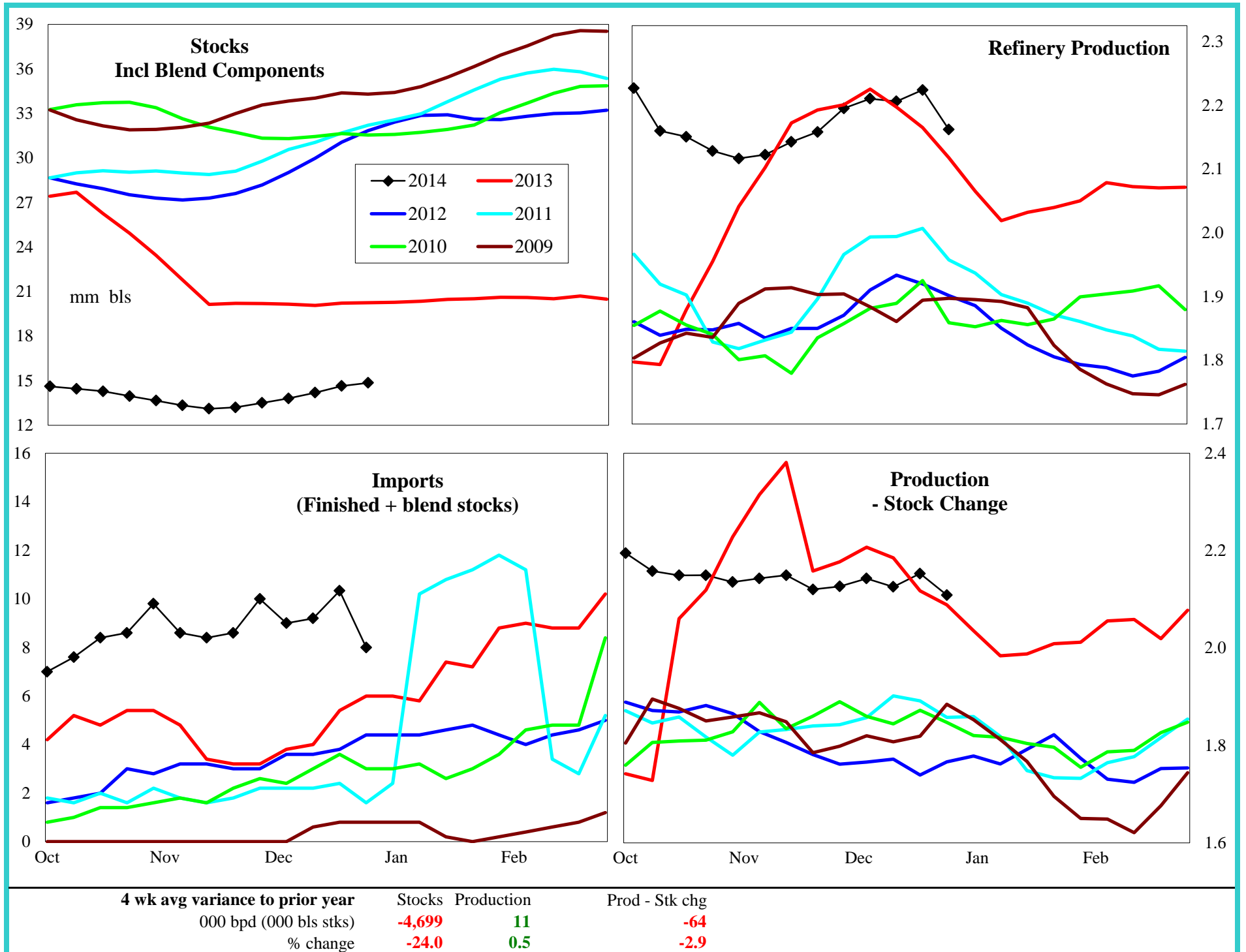
PADD 2 Gasoline Supply



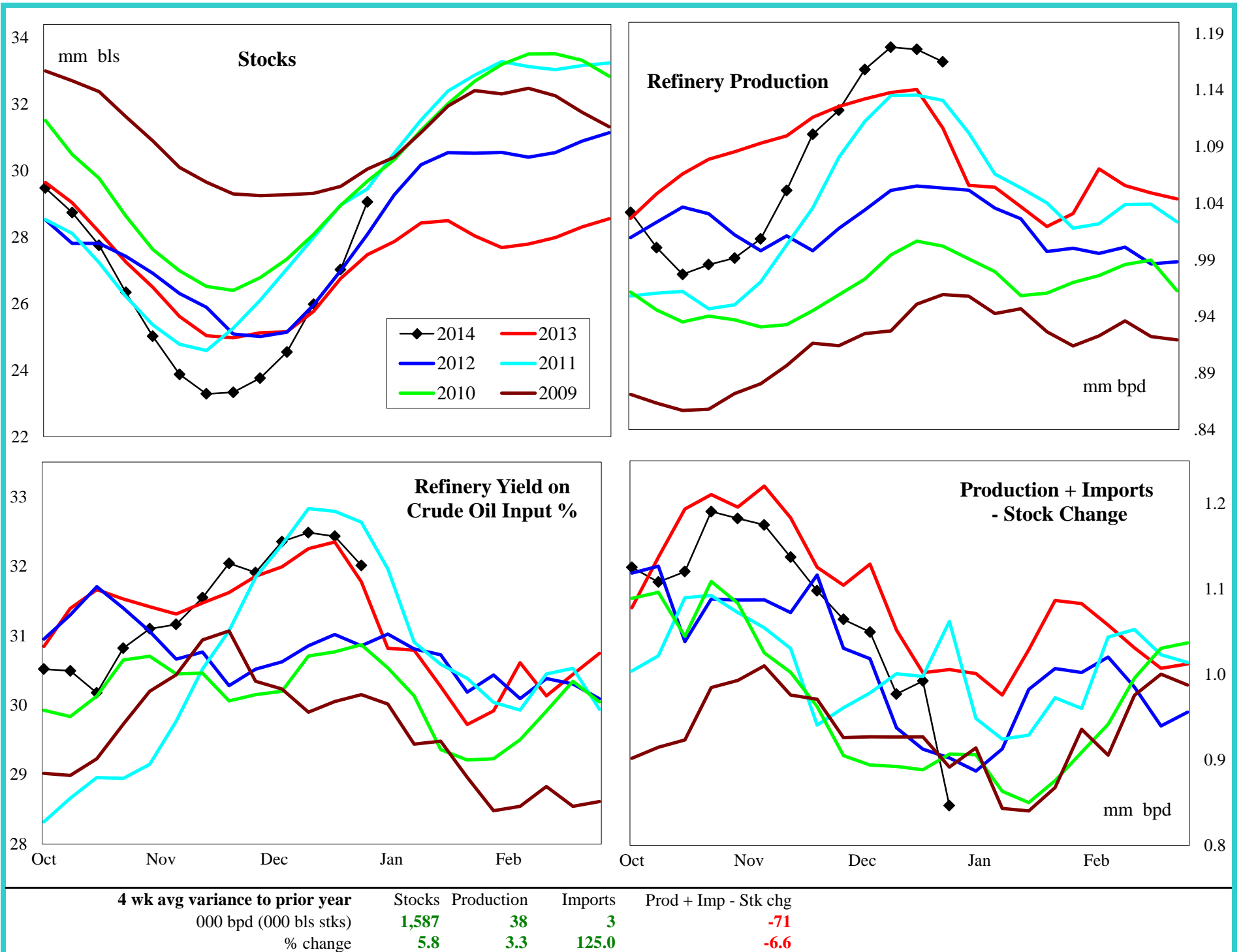
PADD 2 Reformulated Gasoline Supply



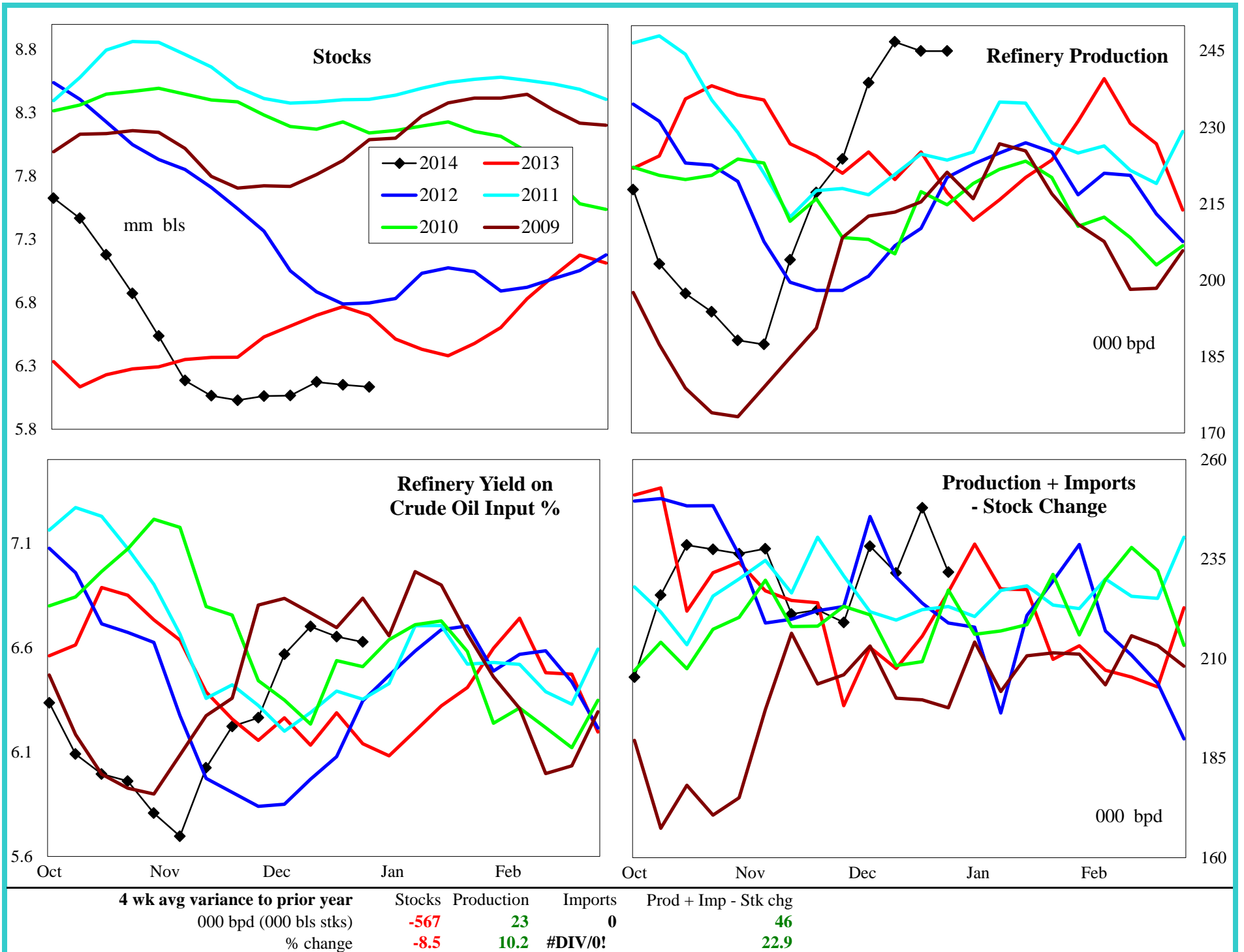
PADD 2 Conventional Gasoline Supply



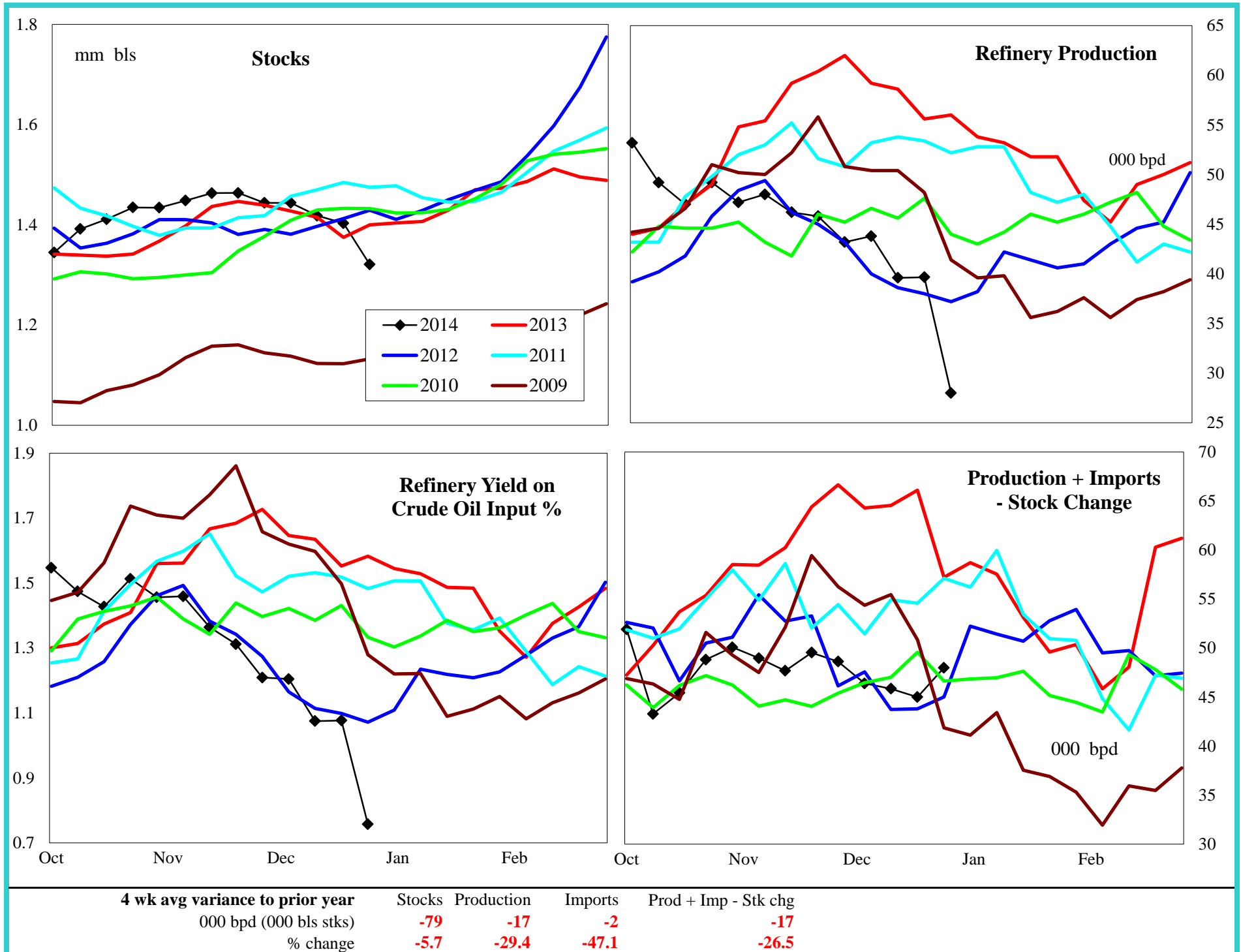
PADD 2 Distillate Supply



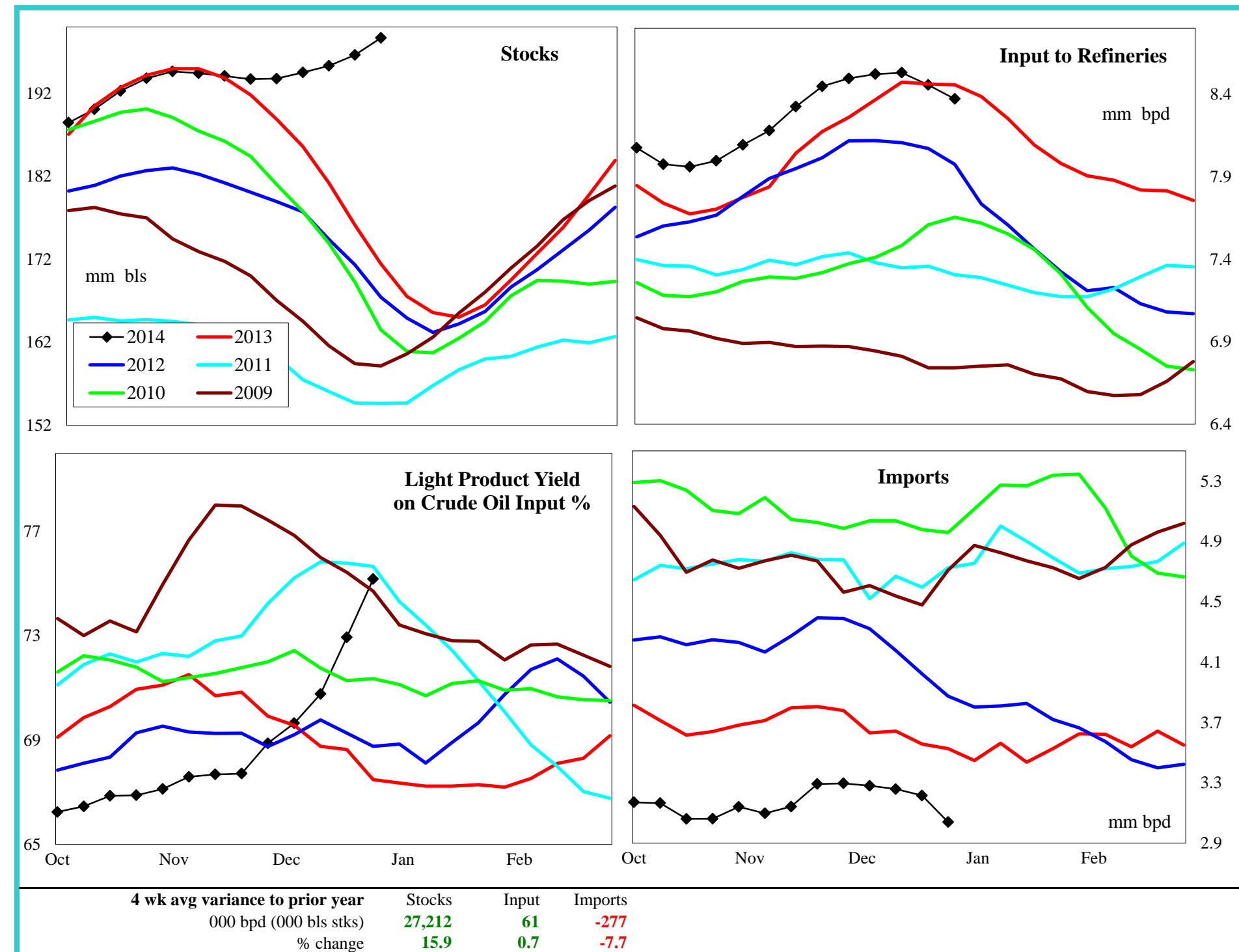
PADD 2 Jet Fuel Supply



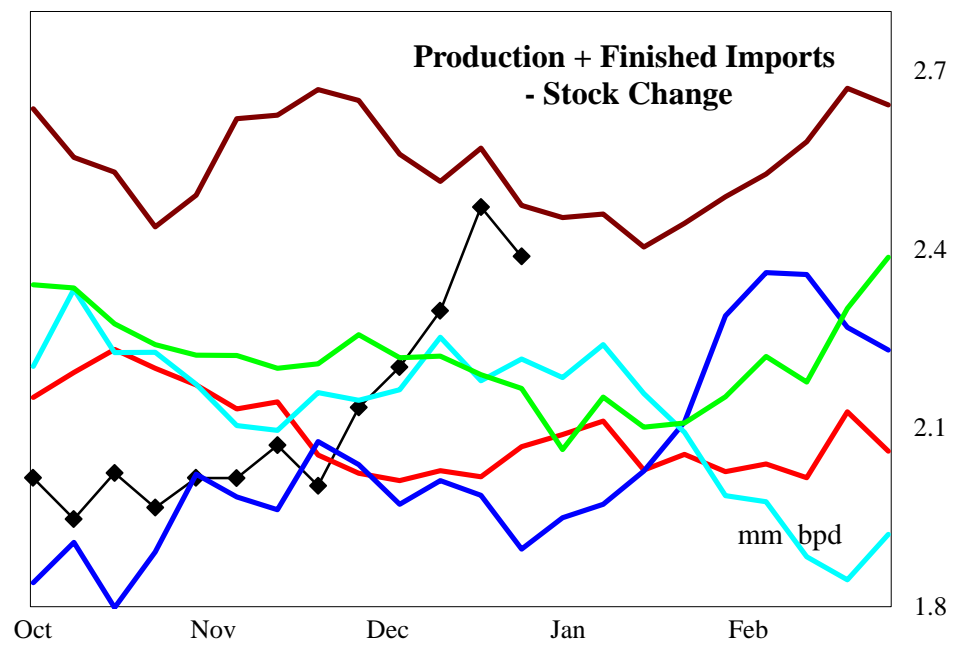
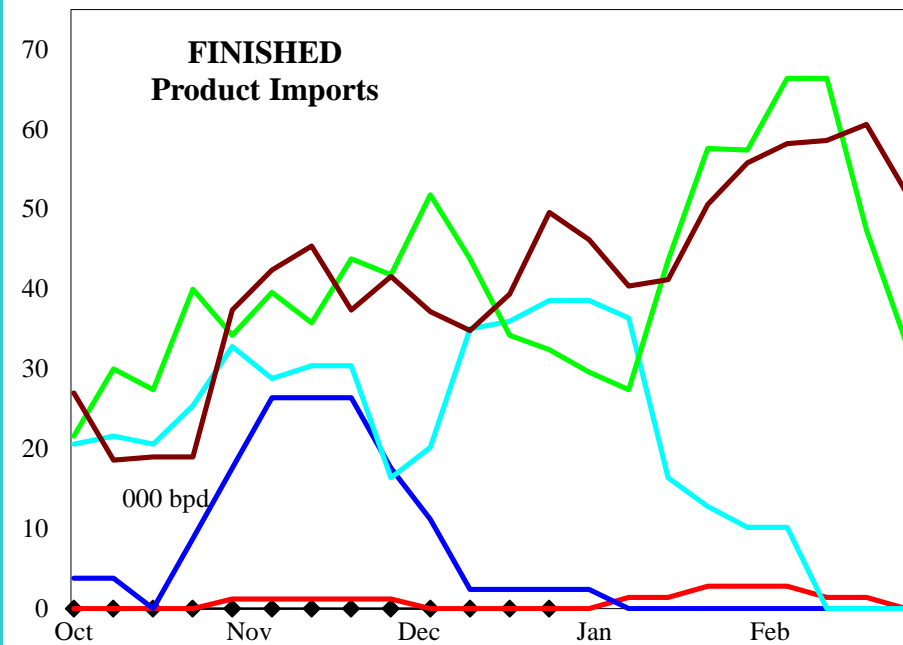
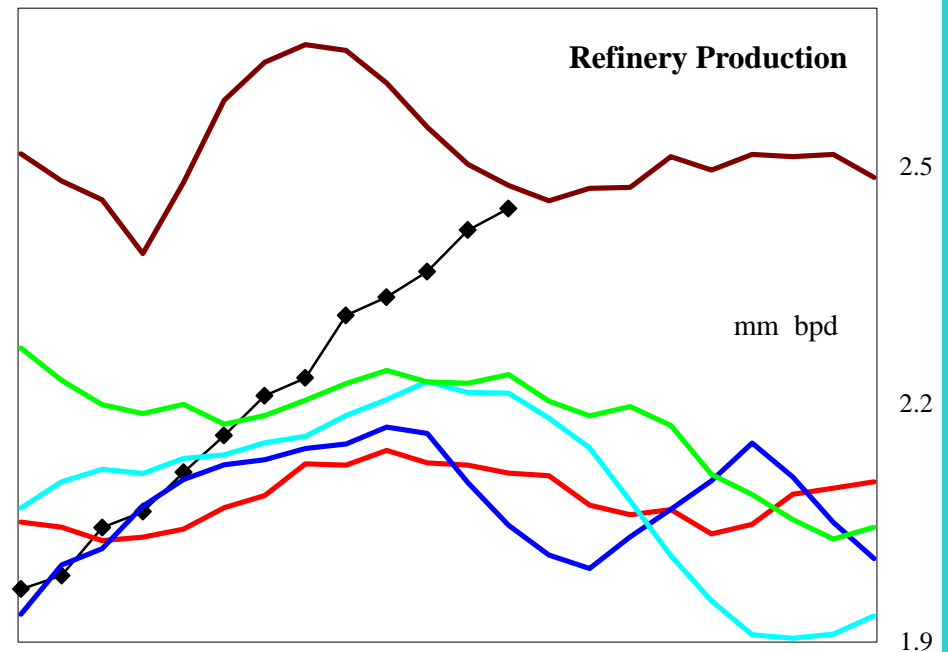
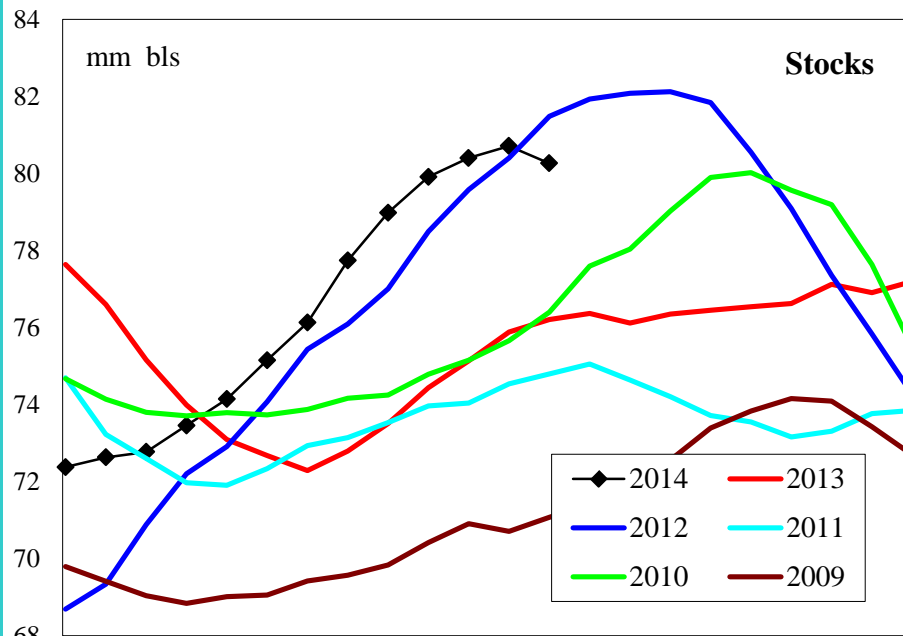
PADD 2 Residual Fuel Oil Supply



PADD 3 Crude Oil Supply and Refining



PADD 3 Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

4,645

6.1

Production

251

11.8

Fin Impt

0

#DIV/0!

Blend Impt

-2

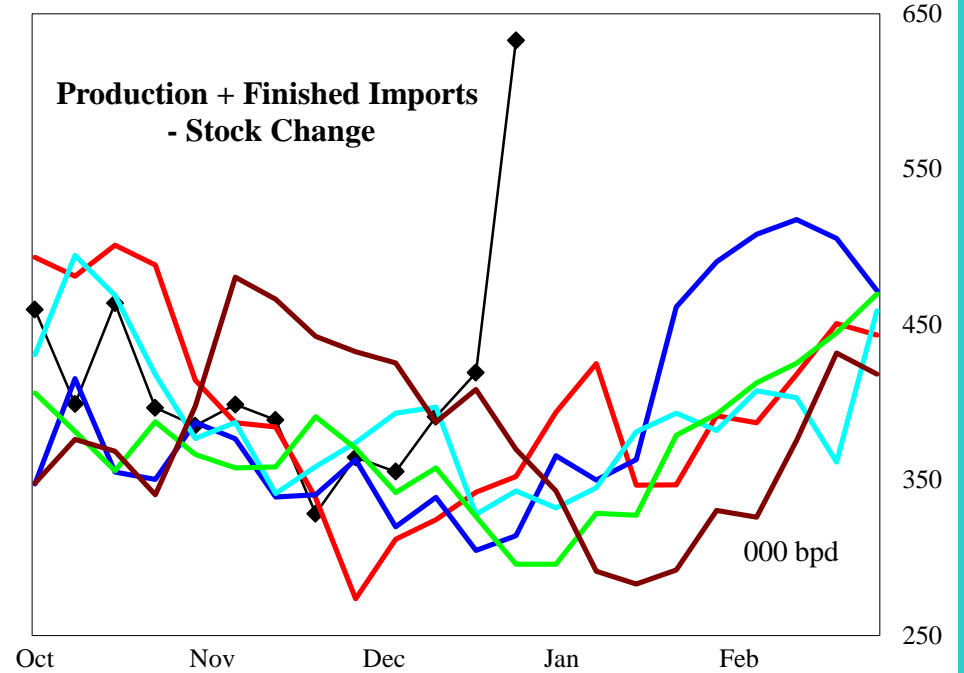
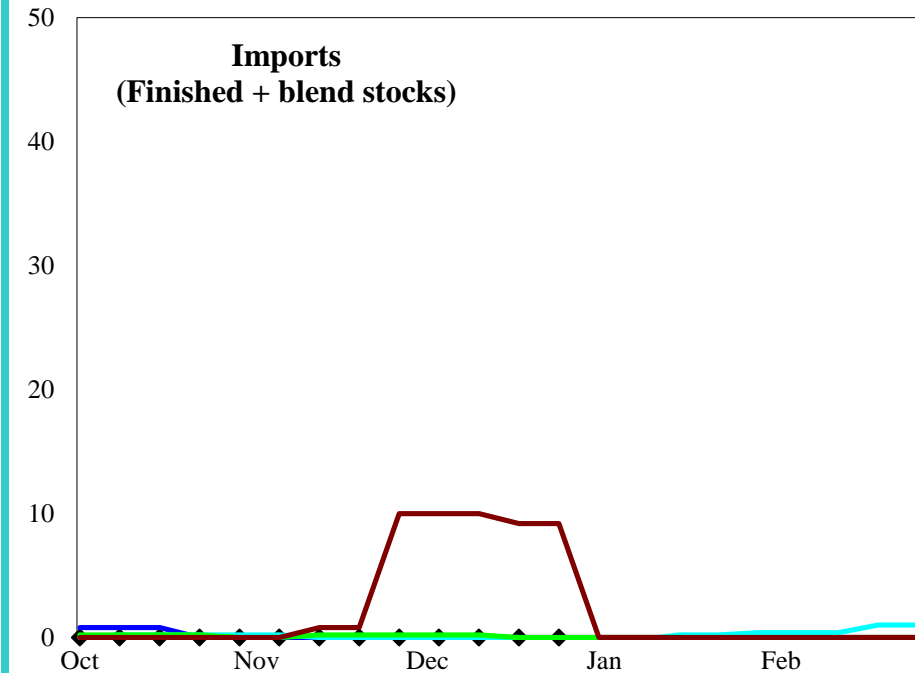
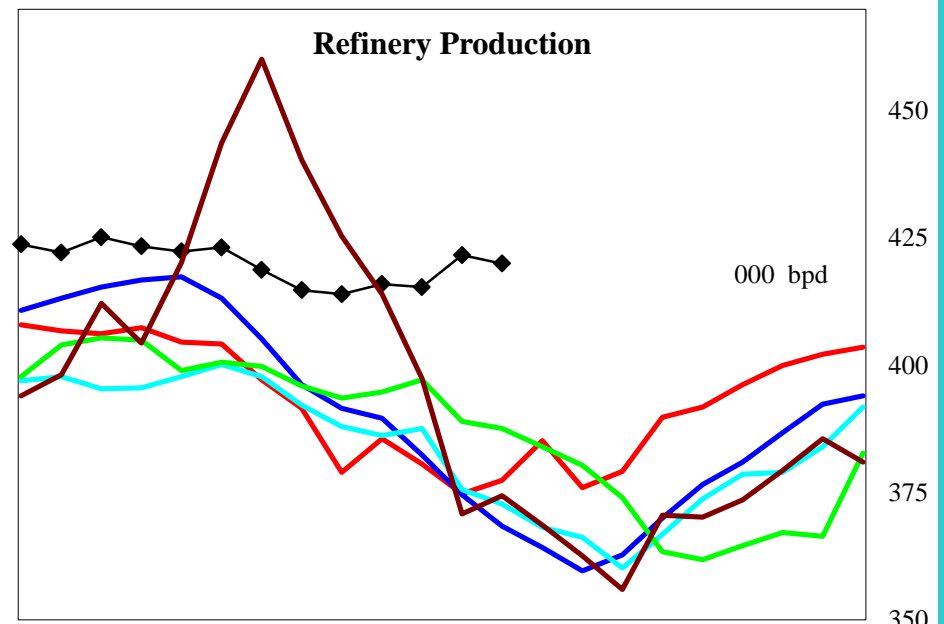
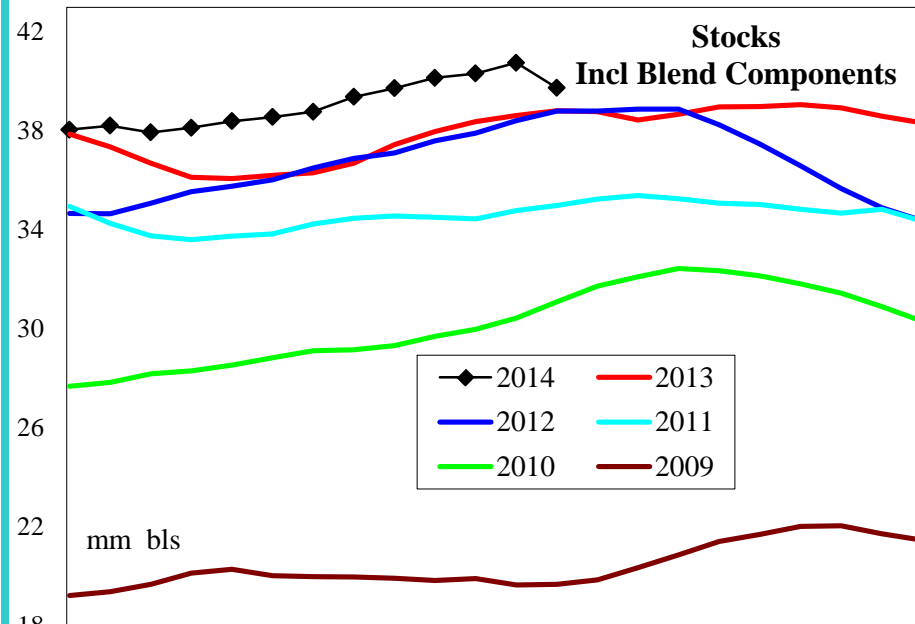
-11.1

Prod + Imp - Stk chg

308

15.3

PADD 3 Reformulated Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

1,664

4.4

Production

35

9.1

Imports

0

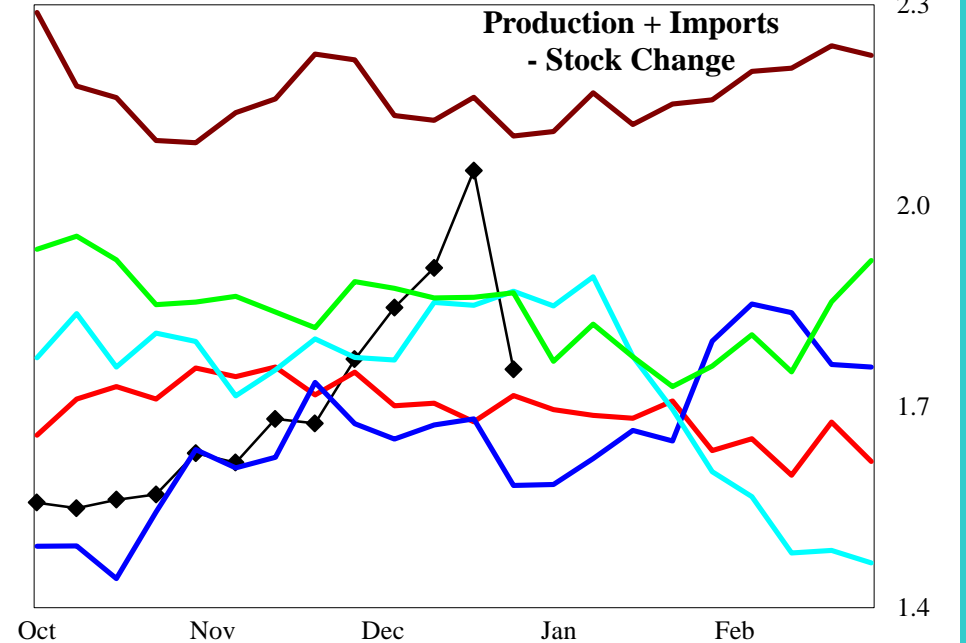
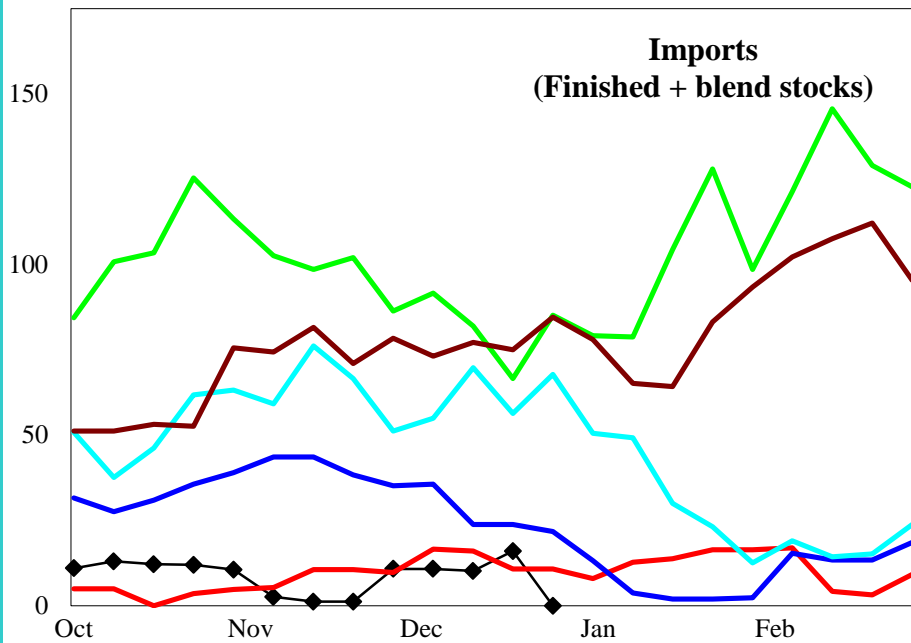
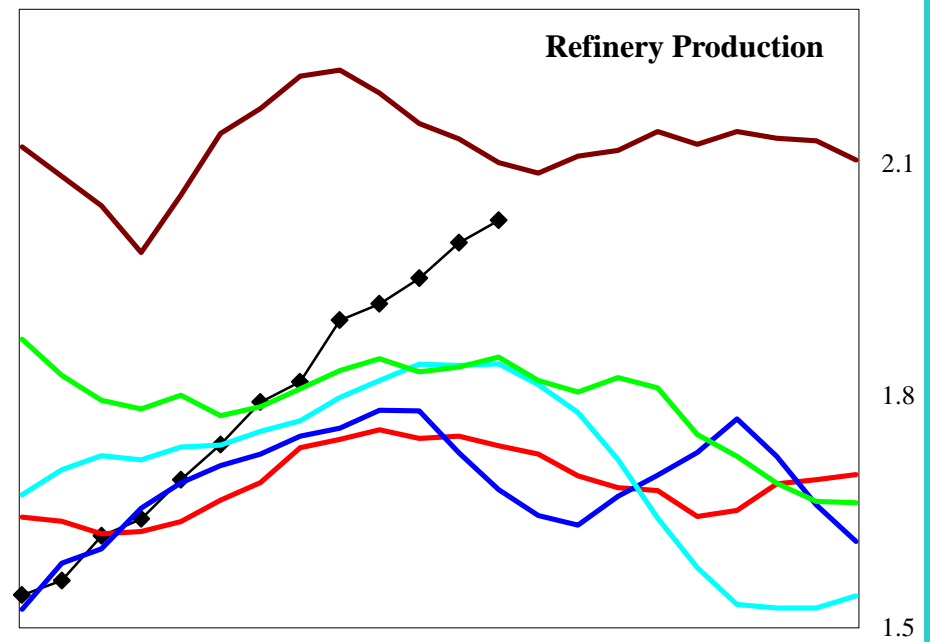
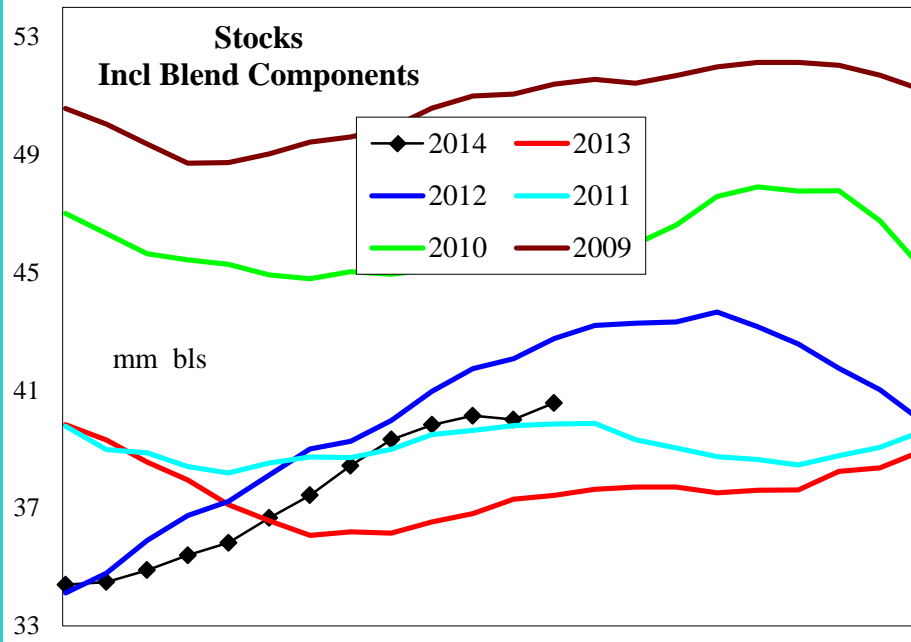
#DIV/0!

Prod + Imp - Stk chg

76

22.5

PADD 3 Conventional Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bbls stks)

% change

Stocks

2,981

7.9

Production

217

12.4

Imports

-2

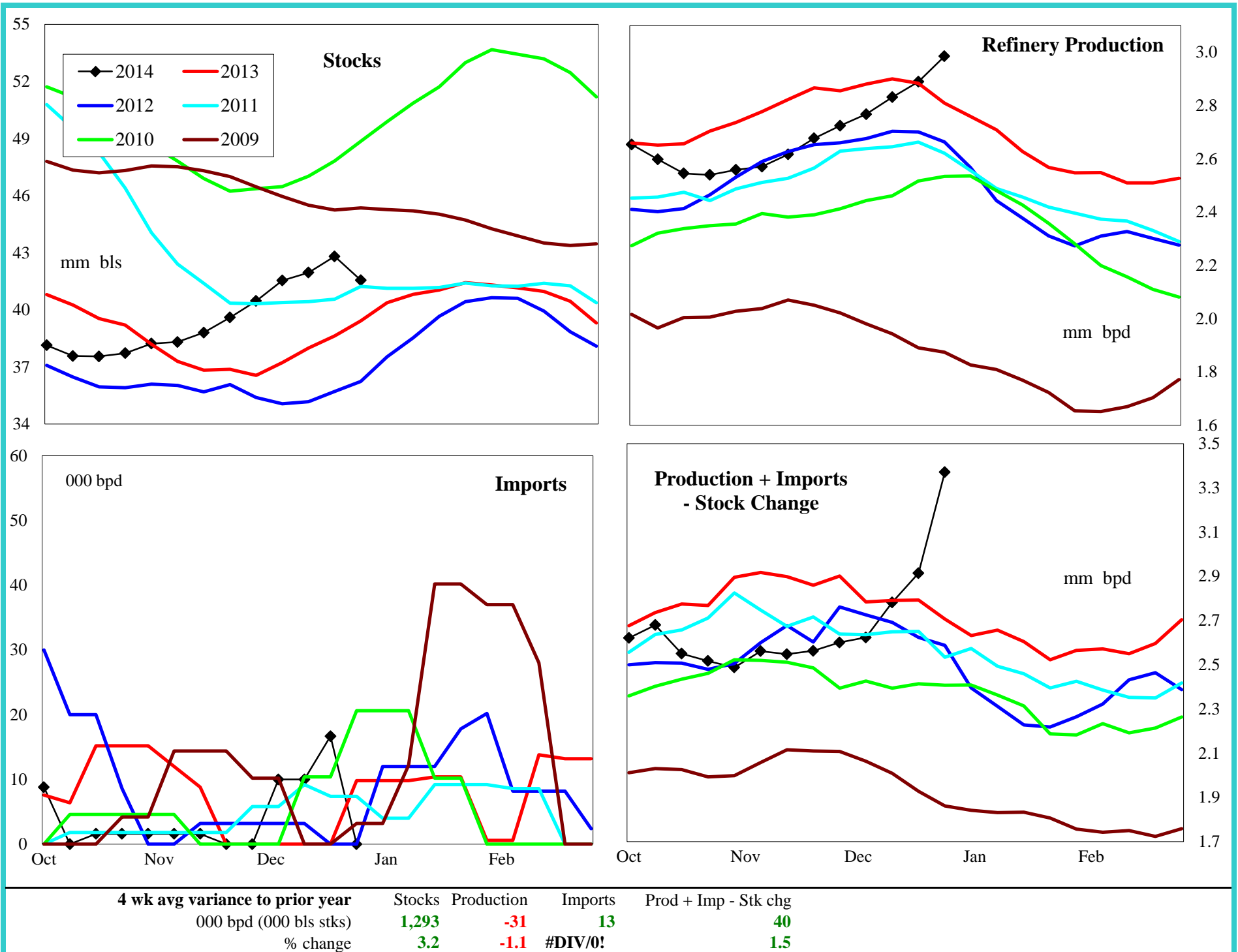
-11.1

Prod + Imp - Stk chg

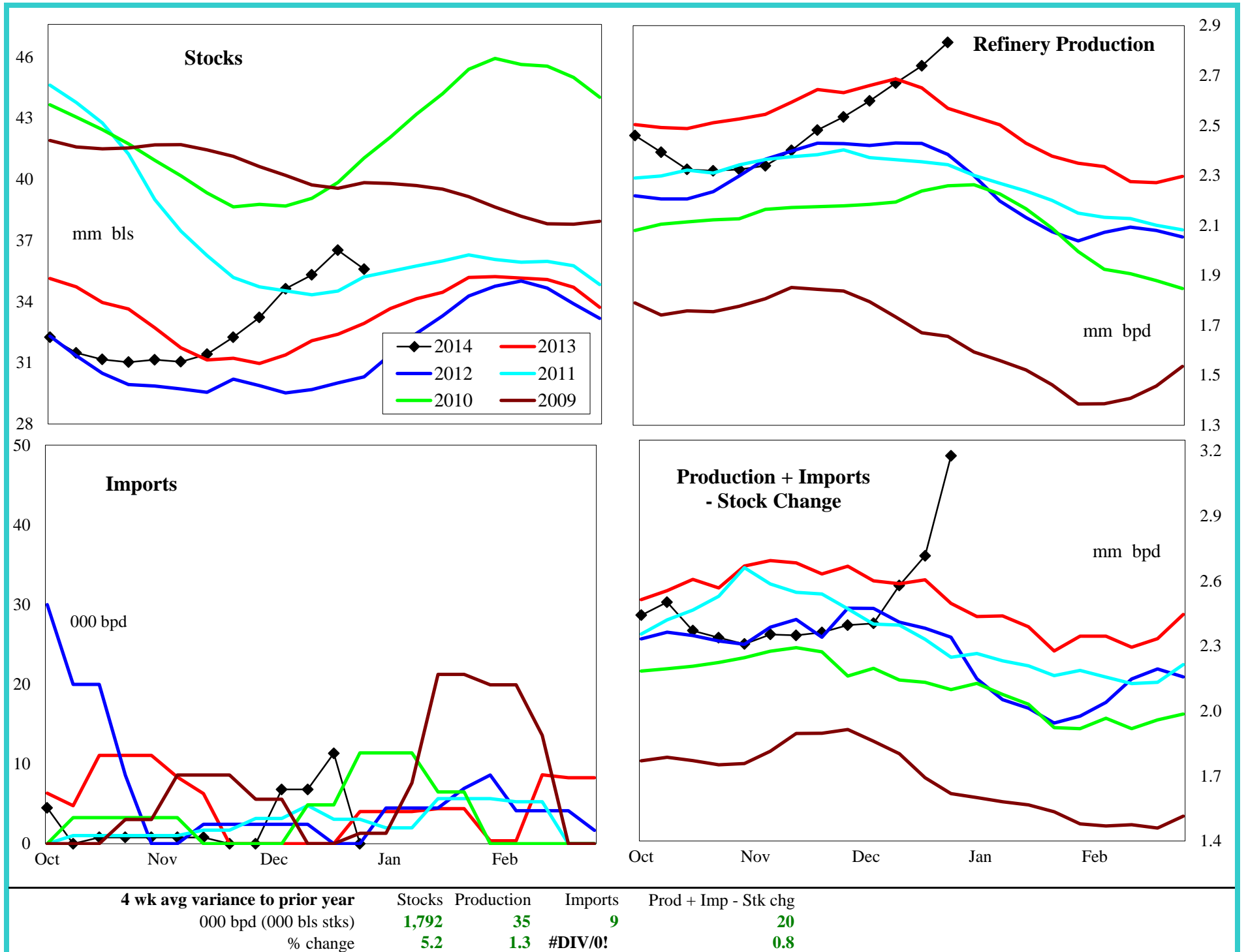
232

13.8

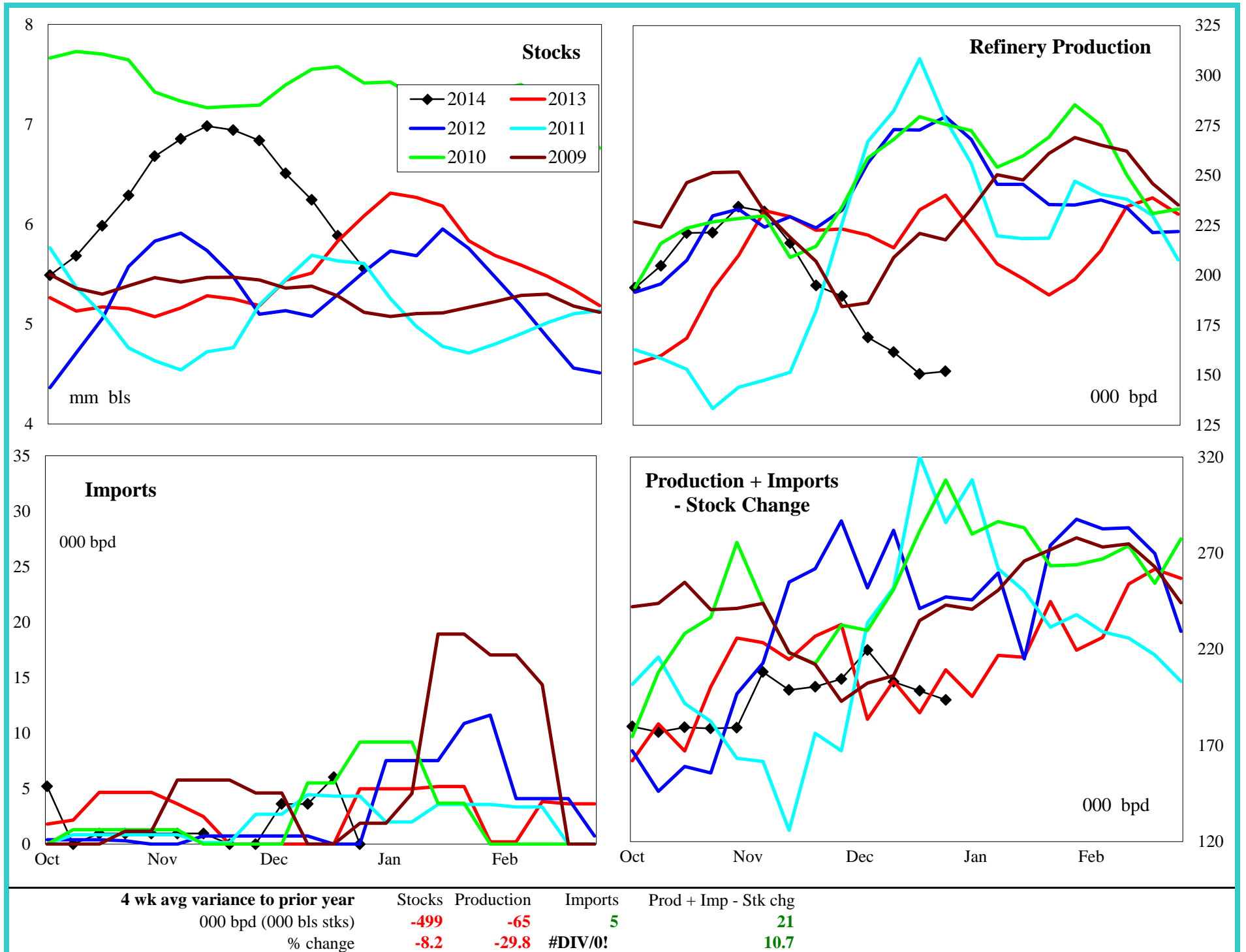
PADD 3 Distillate Supply



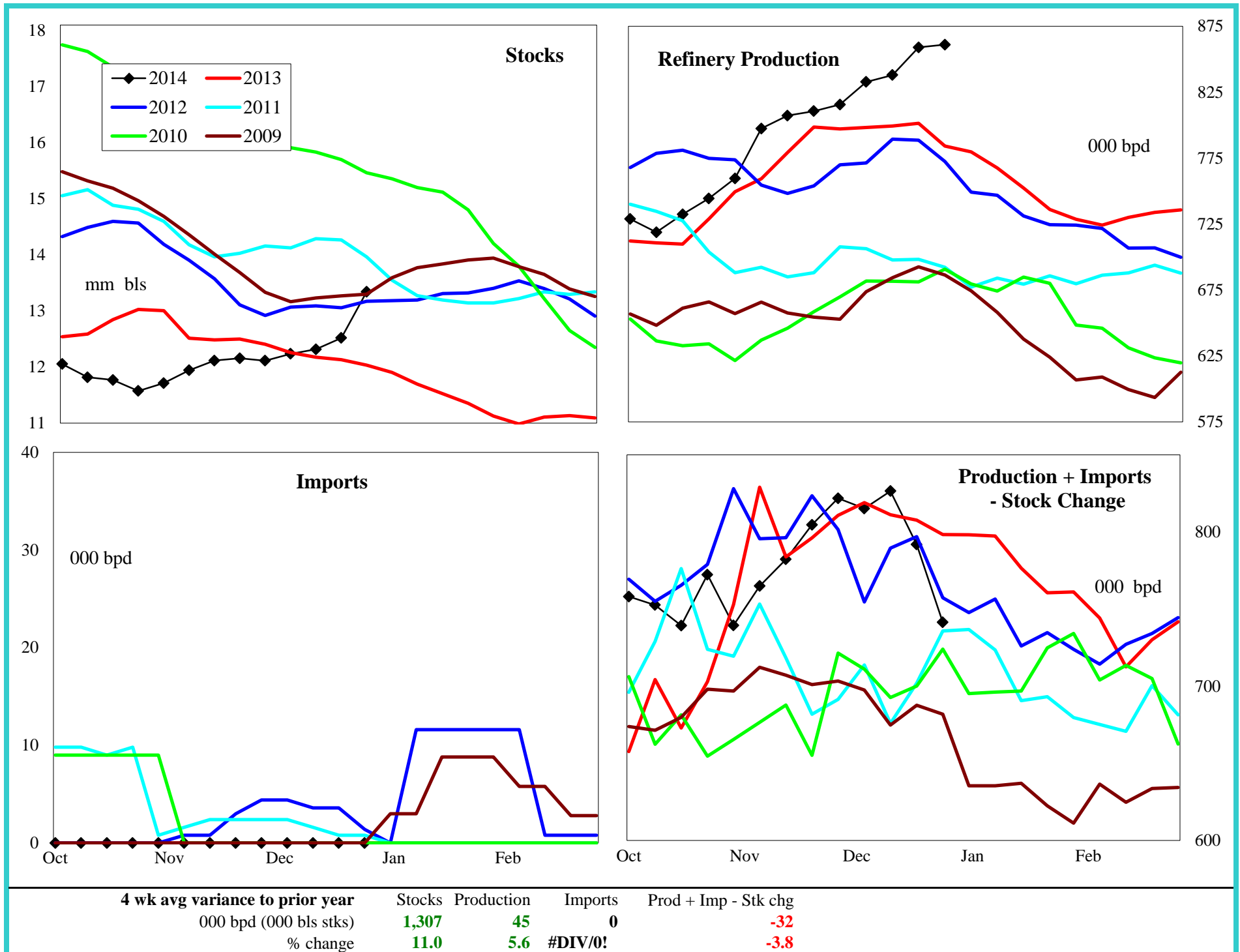
PADD 3 Low Sulfur Distillate Supply



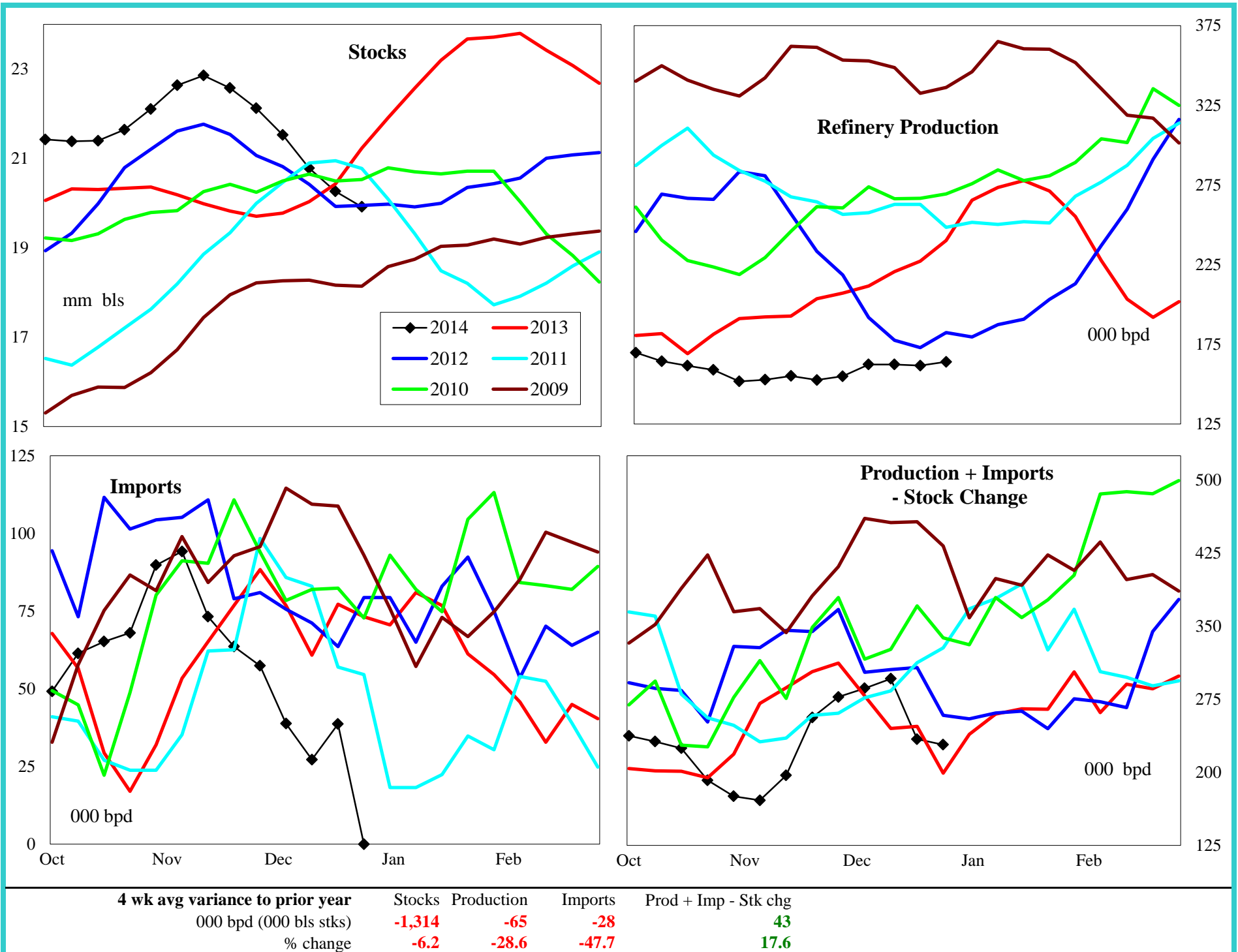
PADD 3 High Sulfur Distillate Supply



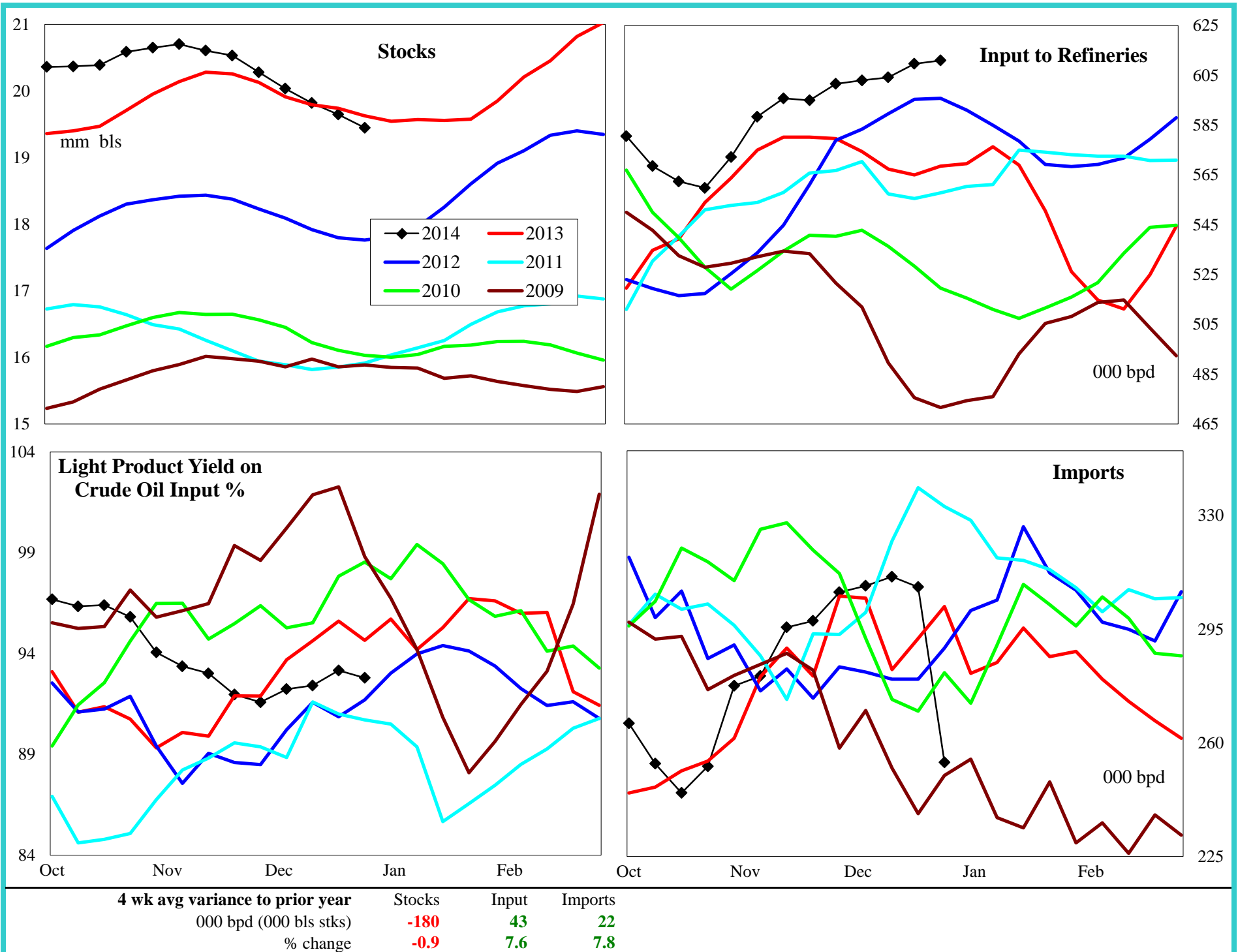
PADD 3 Jet Fuel Supply



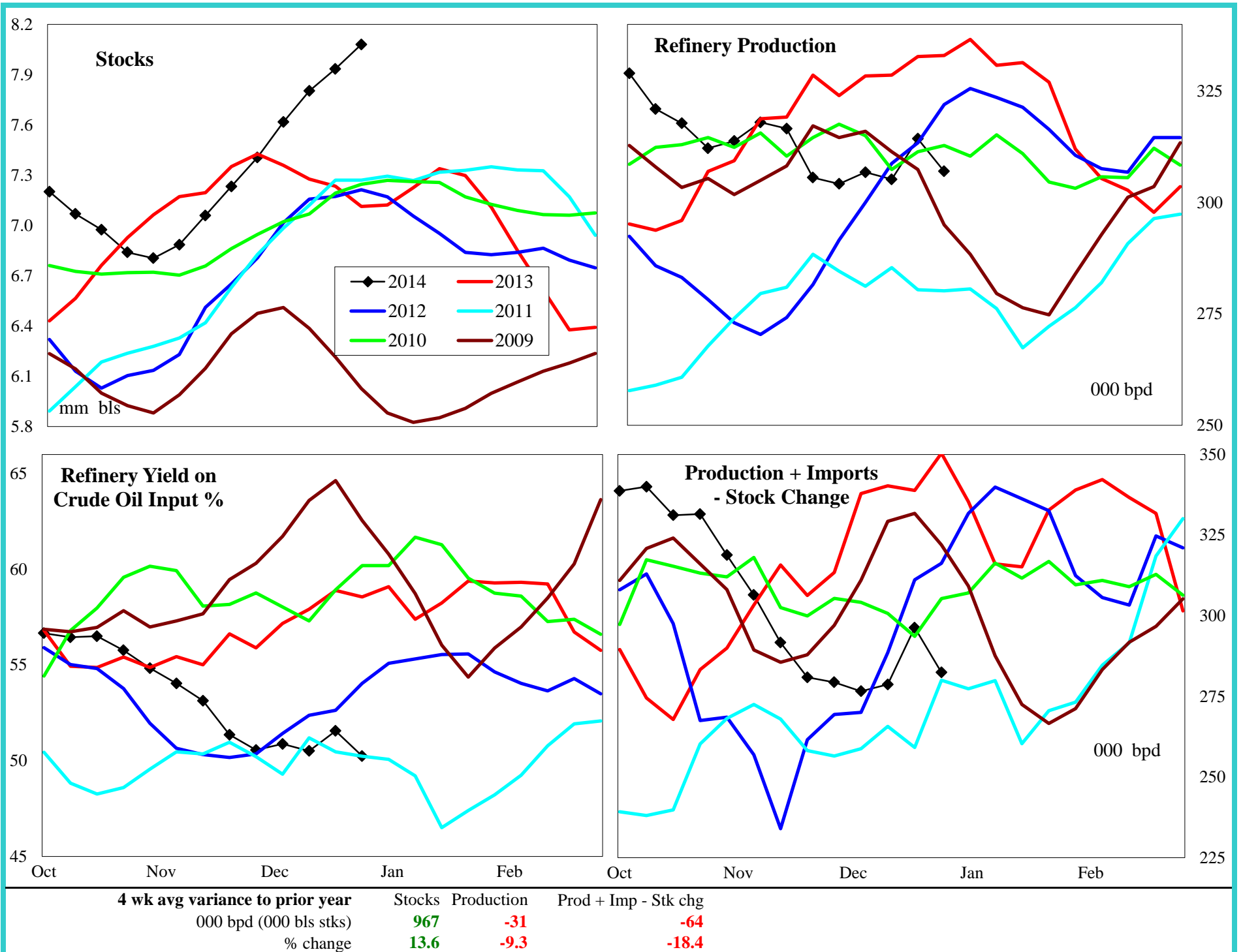
PADD 3 Residual Fuel Oil Supply



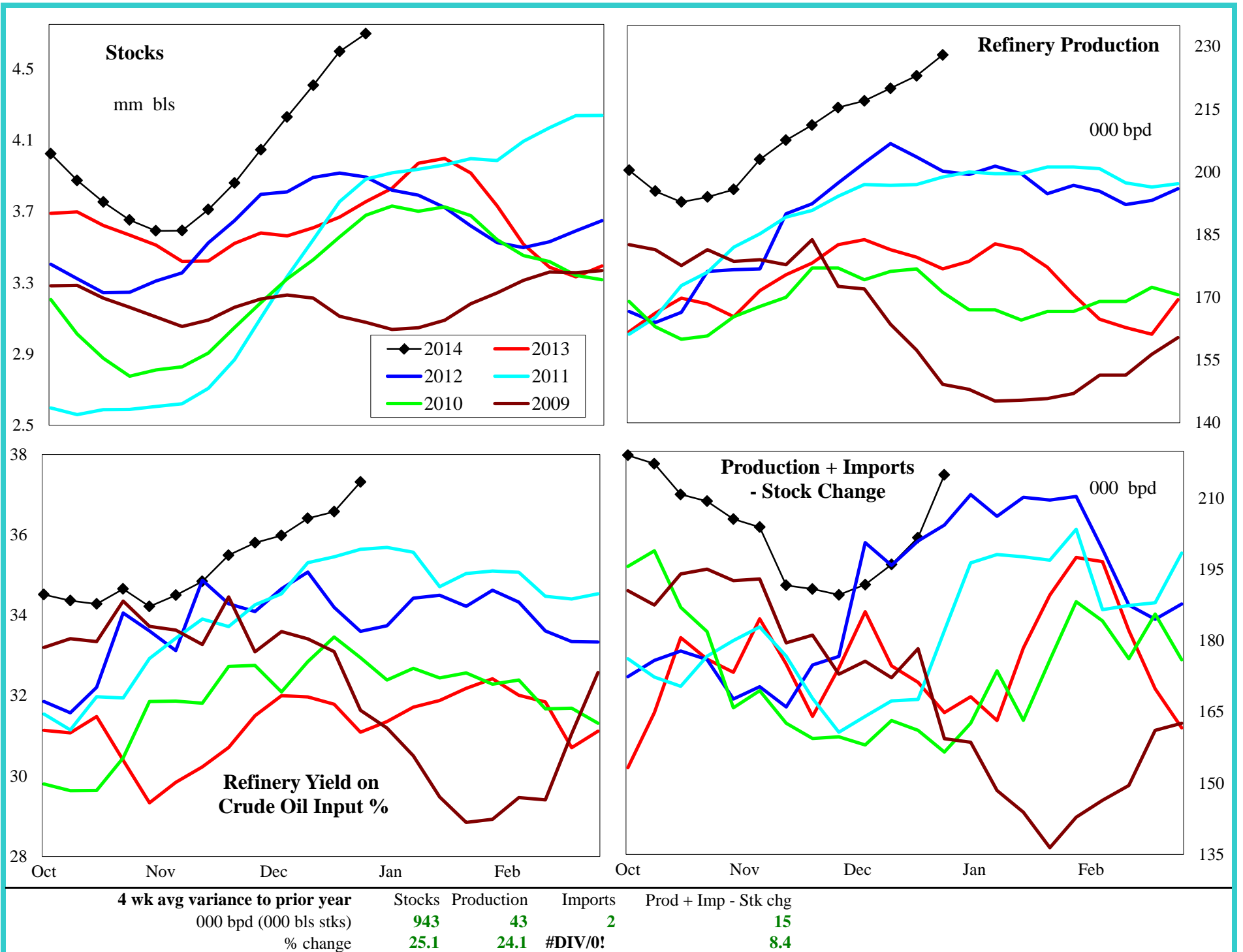
PADD 4 Crude Oil Supply and Refining



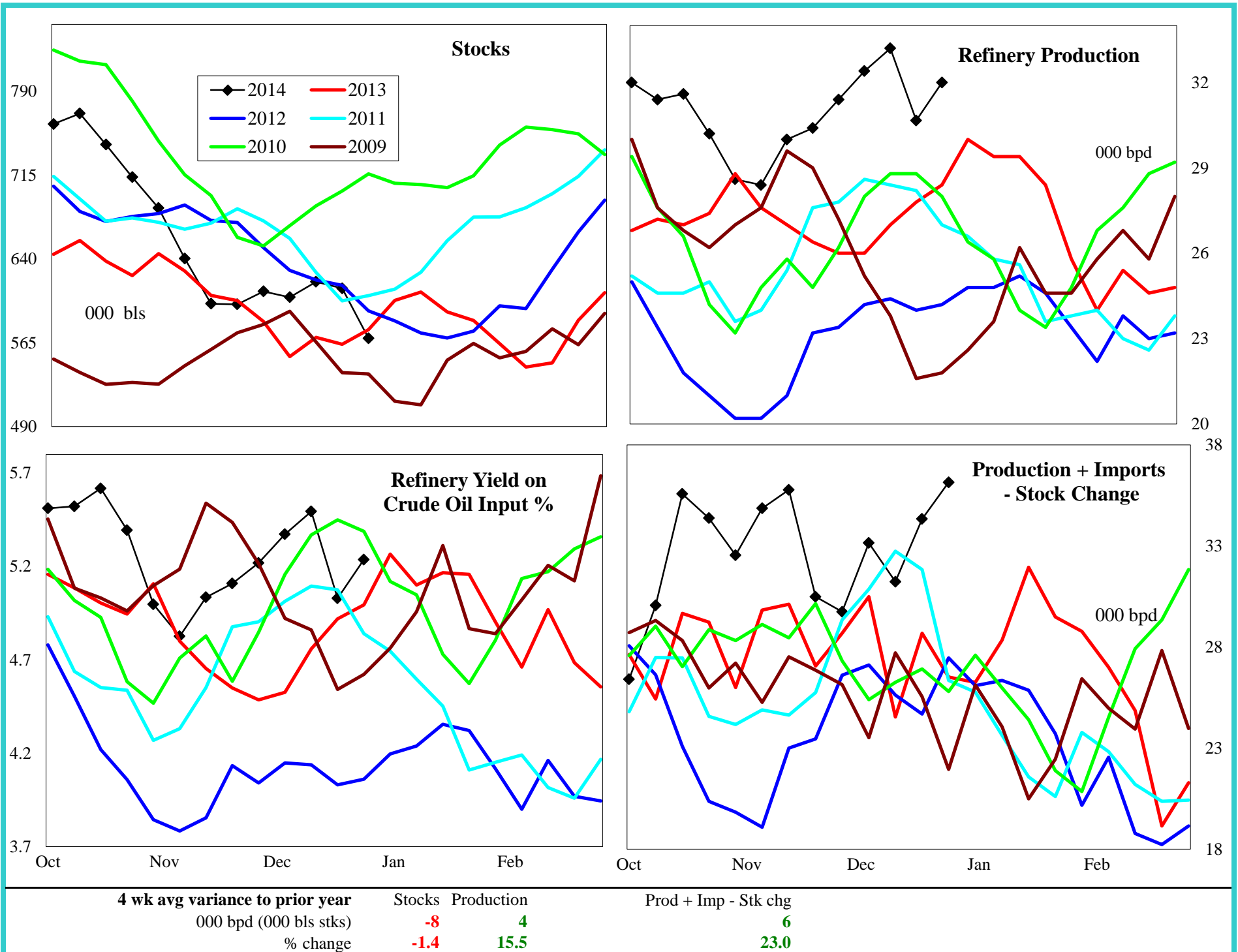
PADD 4 Gasoline Supply



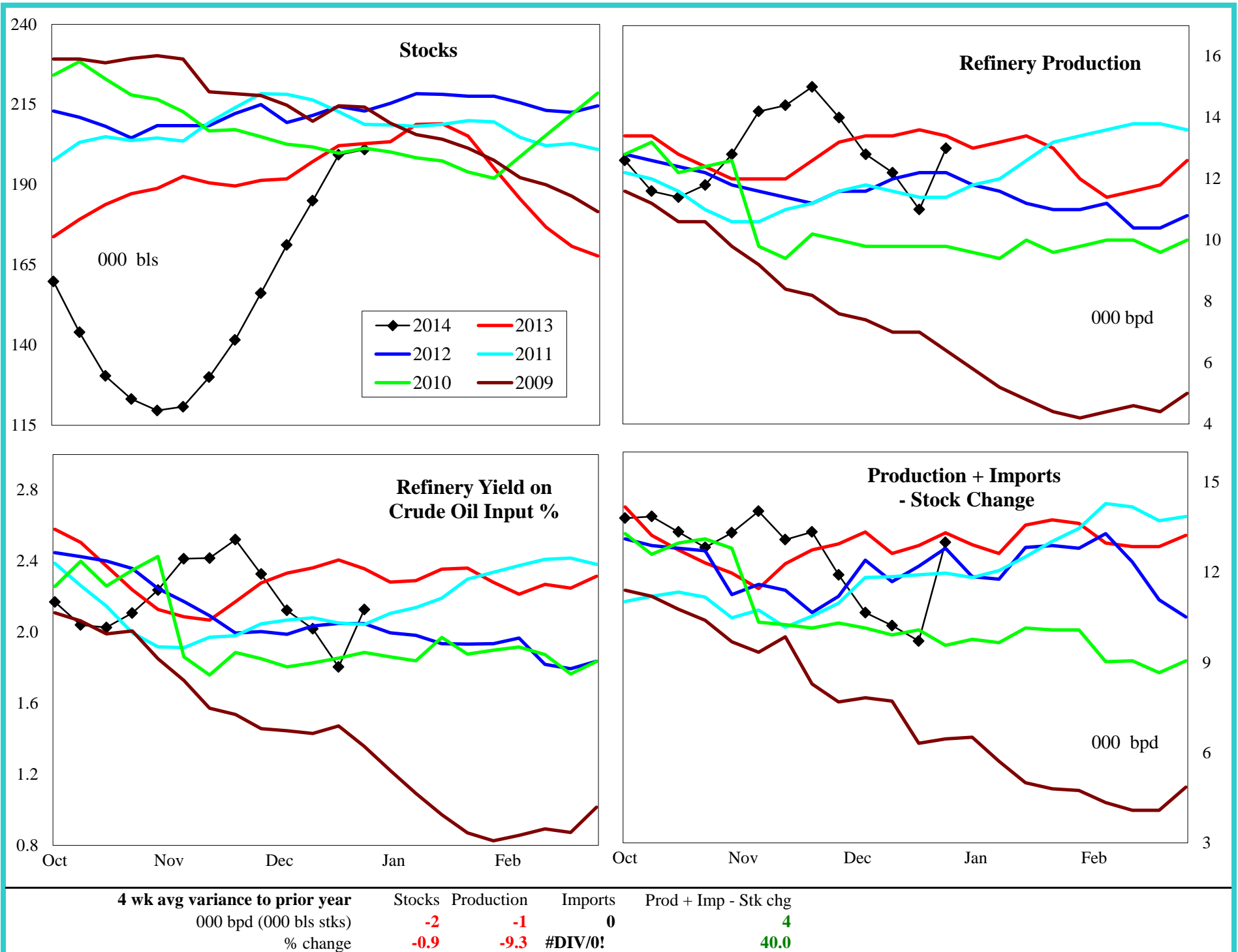
PADD 4 Distillate Supply



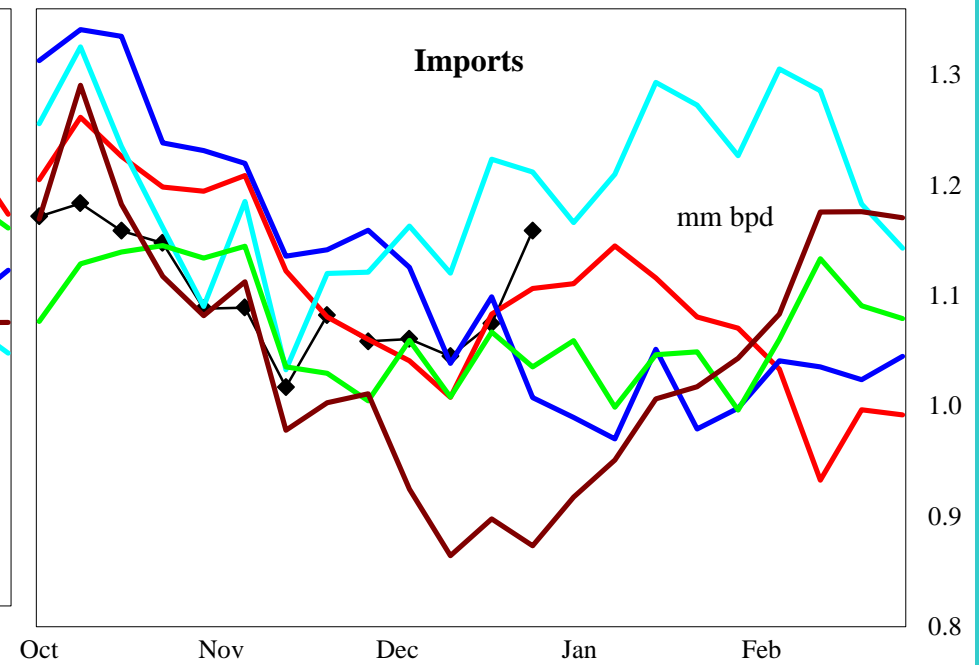
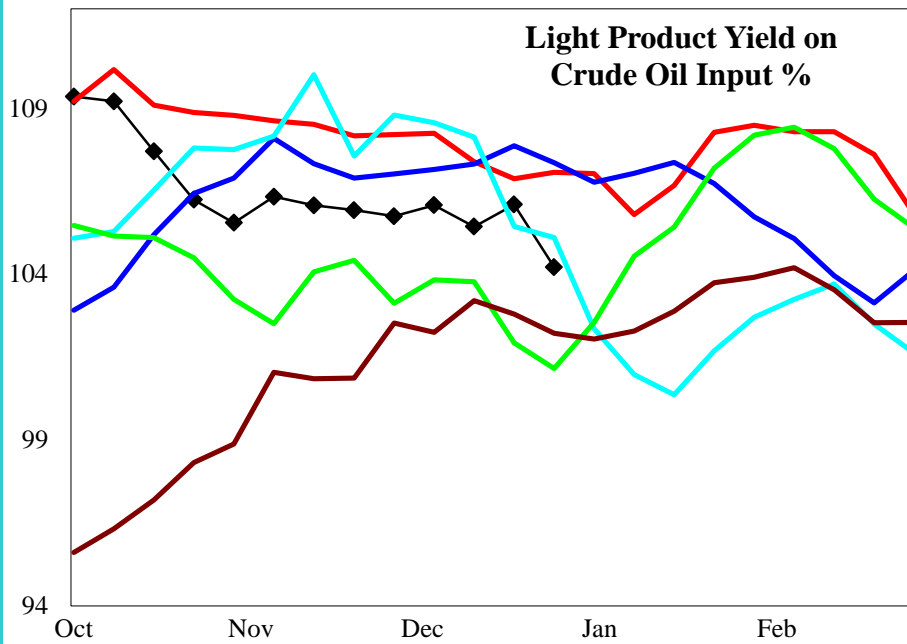
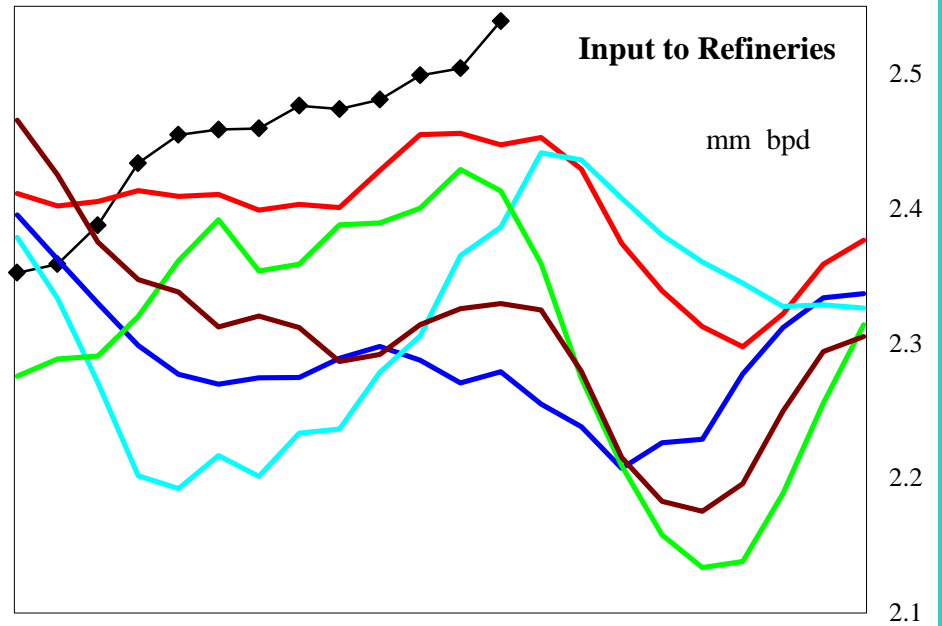
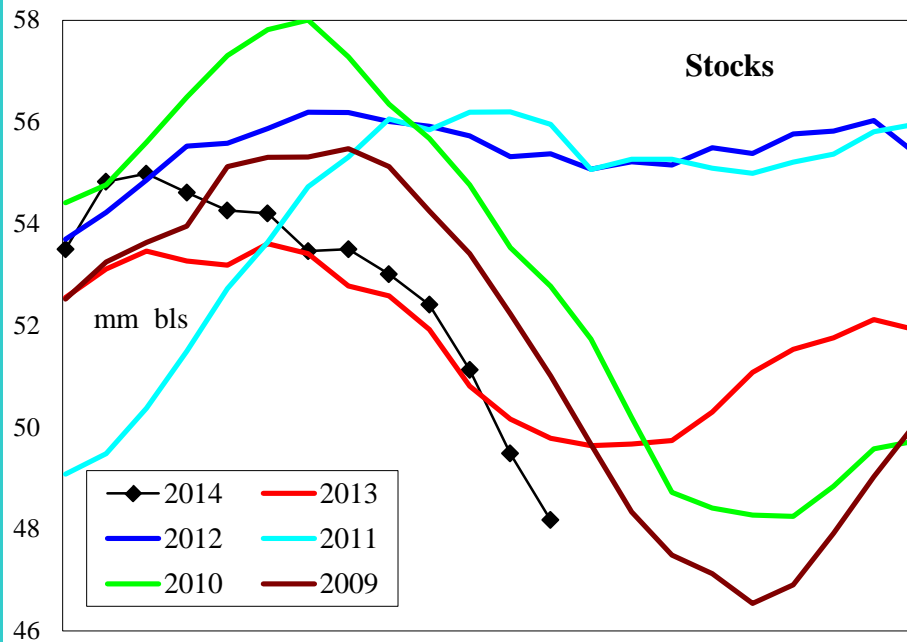
PADD 4 Jet Fuel Supply



PADD 4 Residual Fuel Oil Supply



PADD 5 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bbls stks)

% change

Stocks

-1,607

-3.2

Input

46

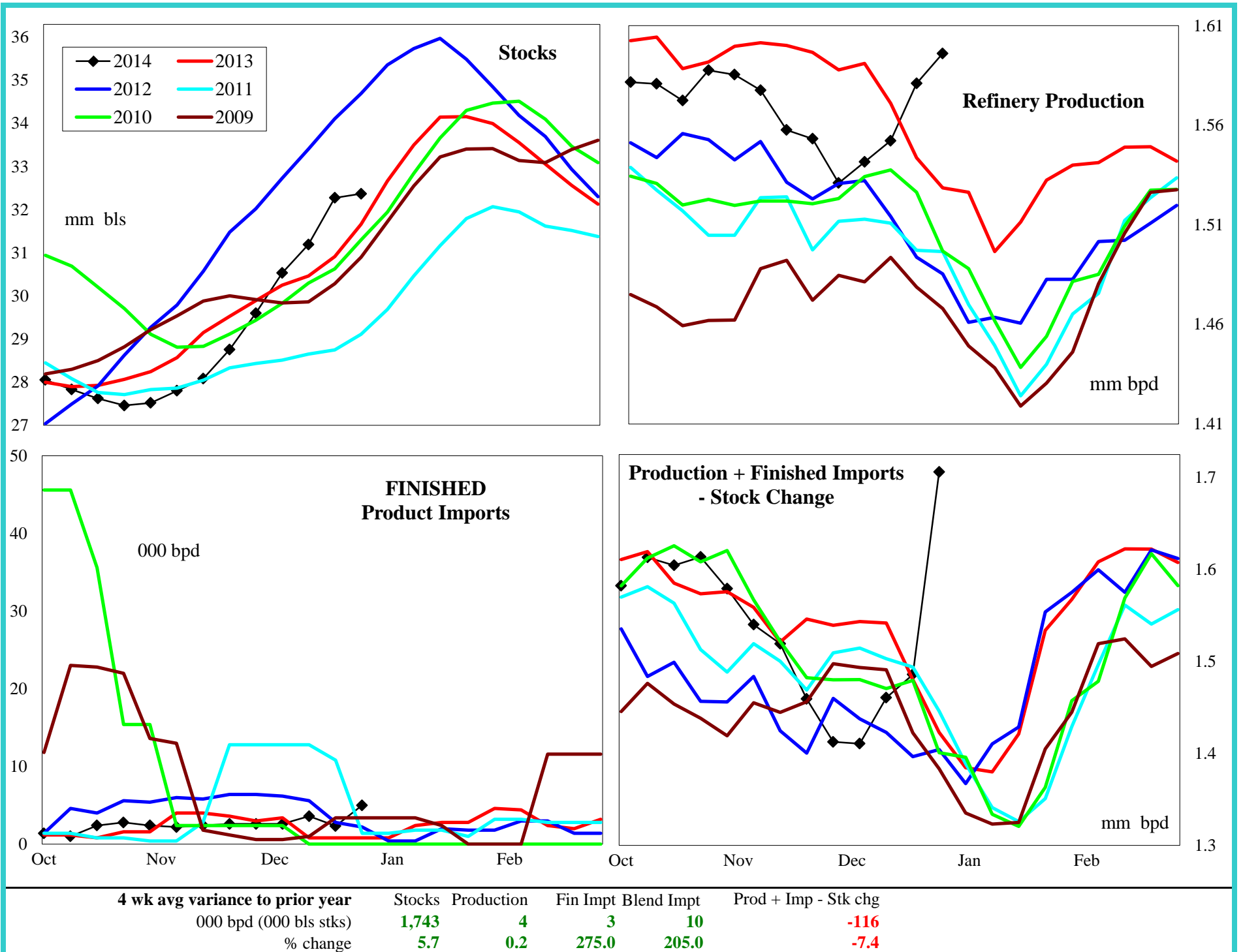
1.8

Imports

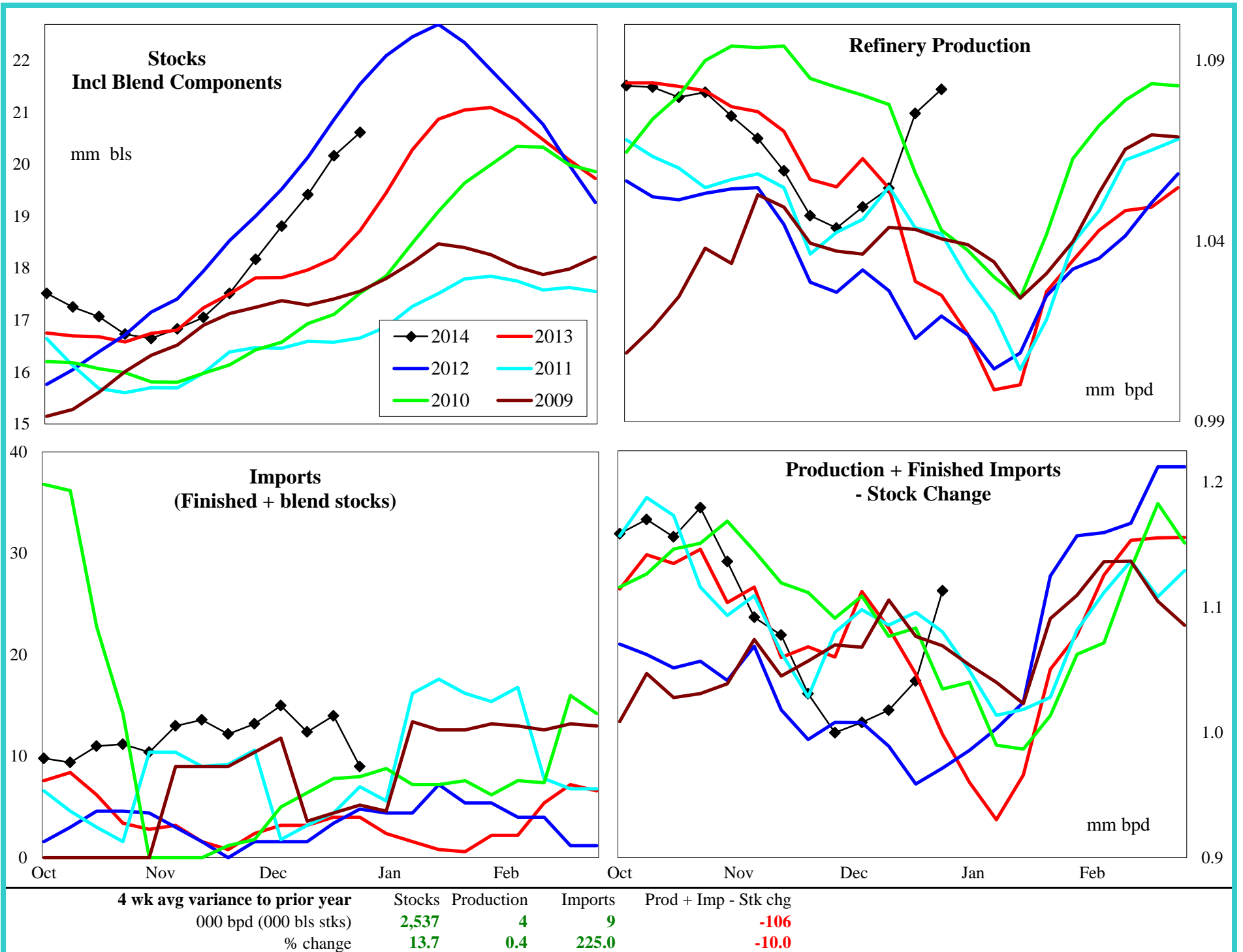
71

7.0

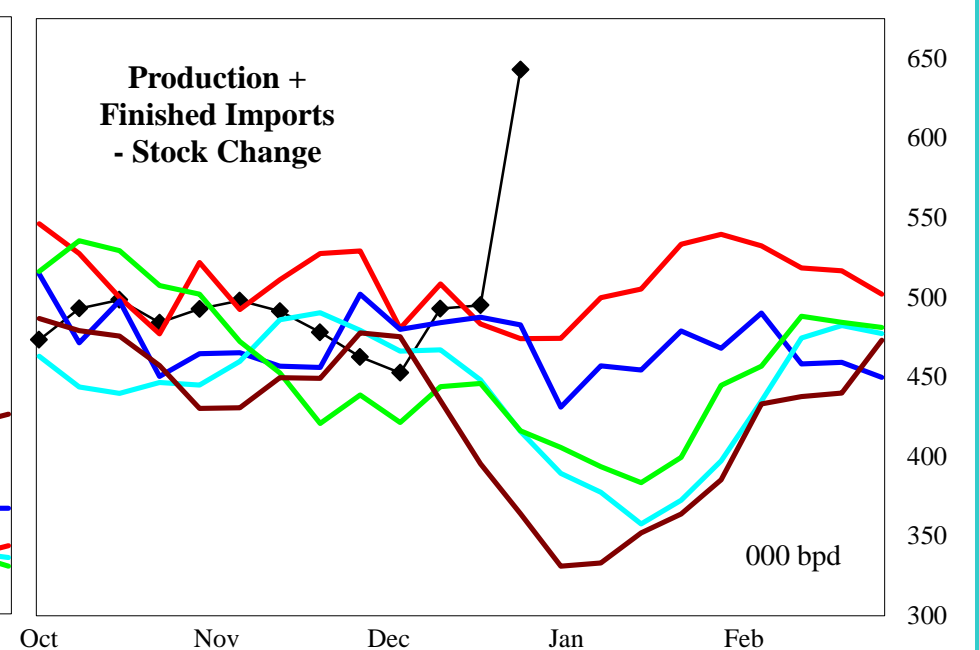
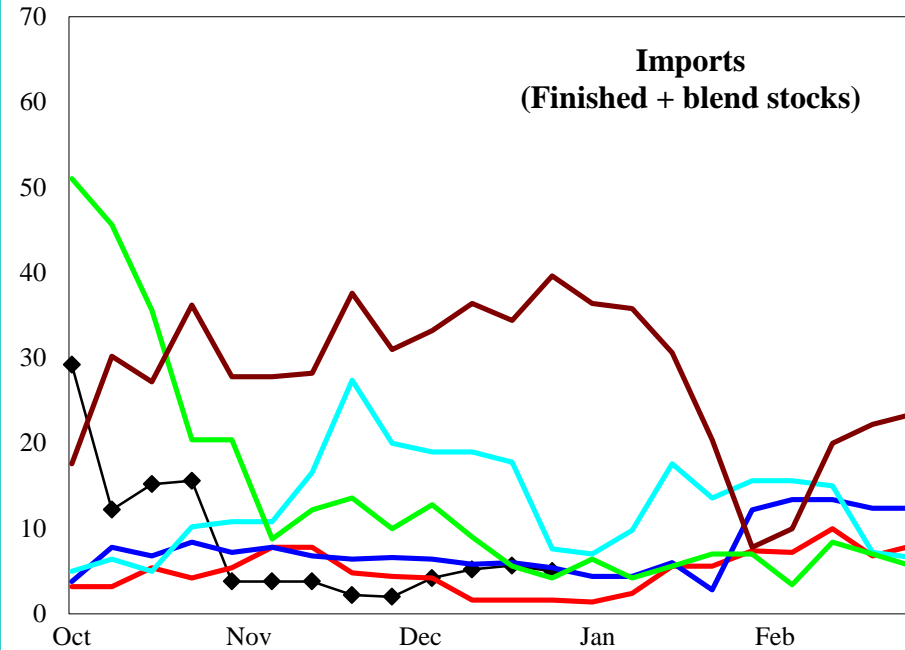
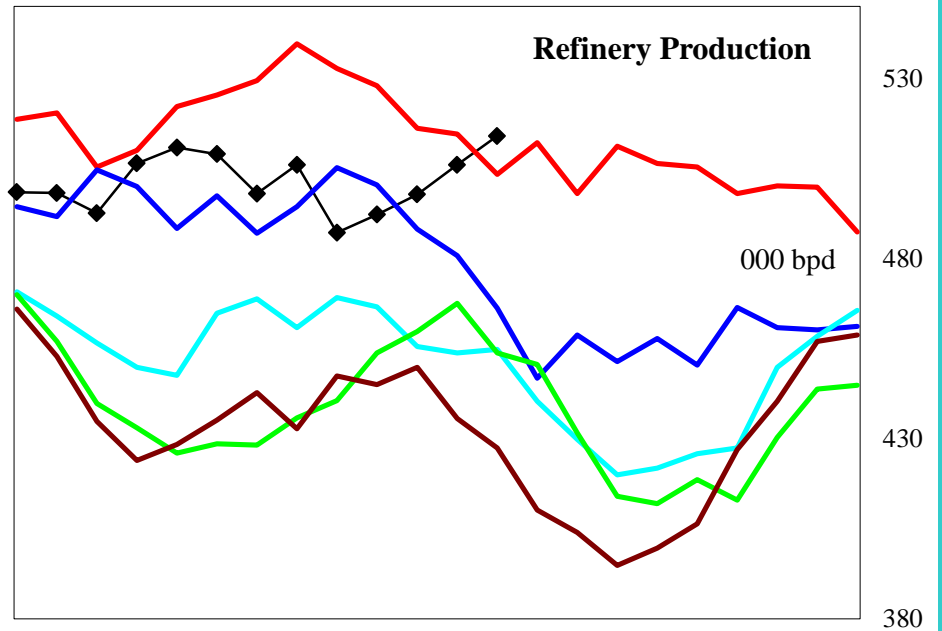
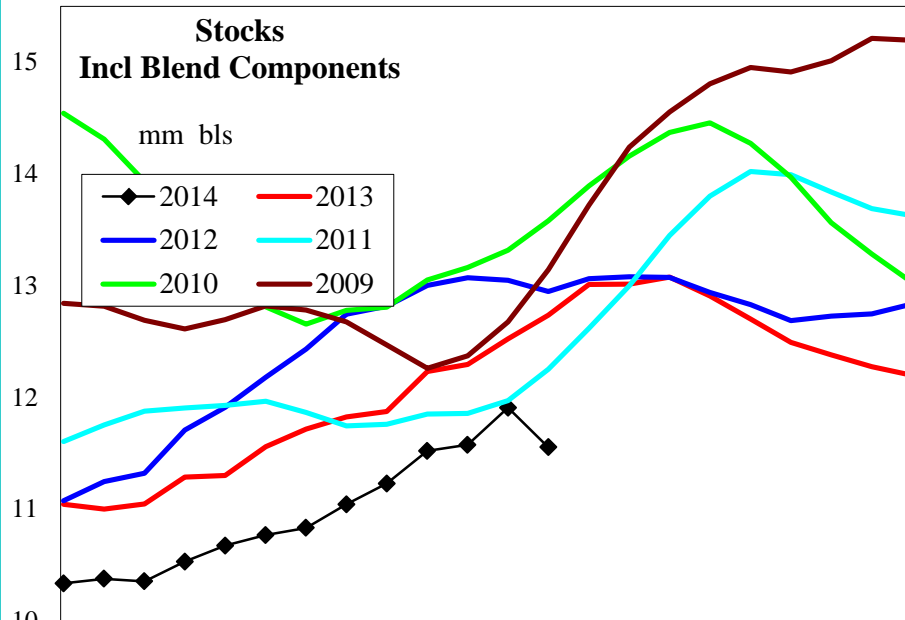
PADD 5 Gasoline Supply



PADD 5 Reformulated Gasoline Supply



PADD 5 Conventional Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

-794

-6.7

Production

1

0.1

Imports

4

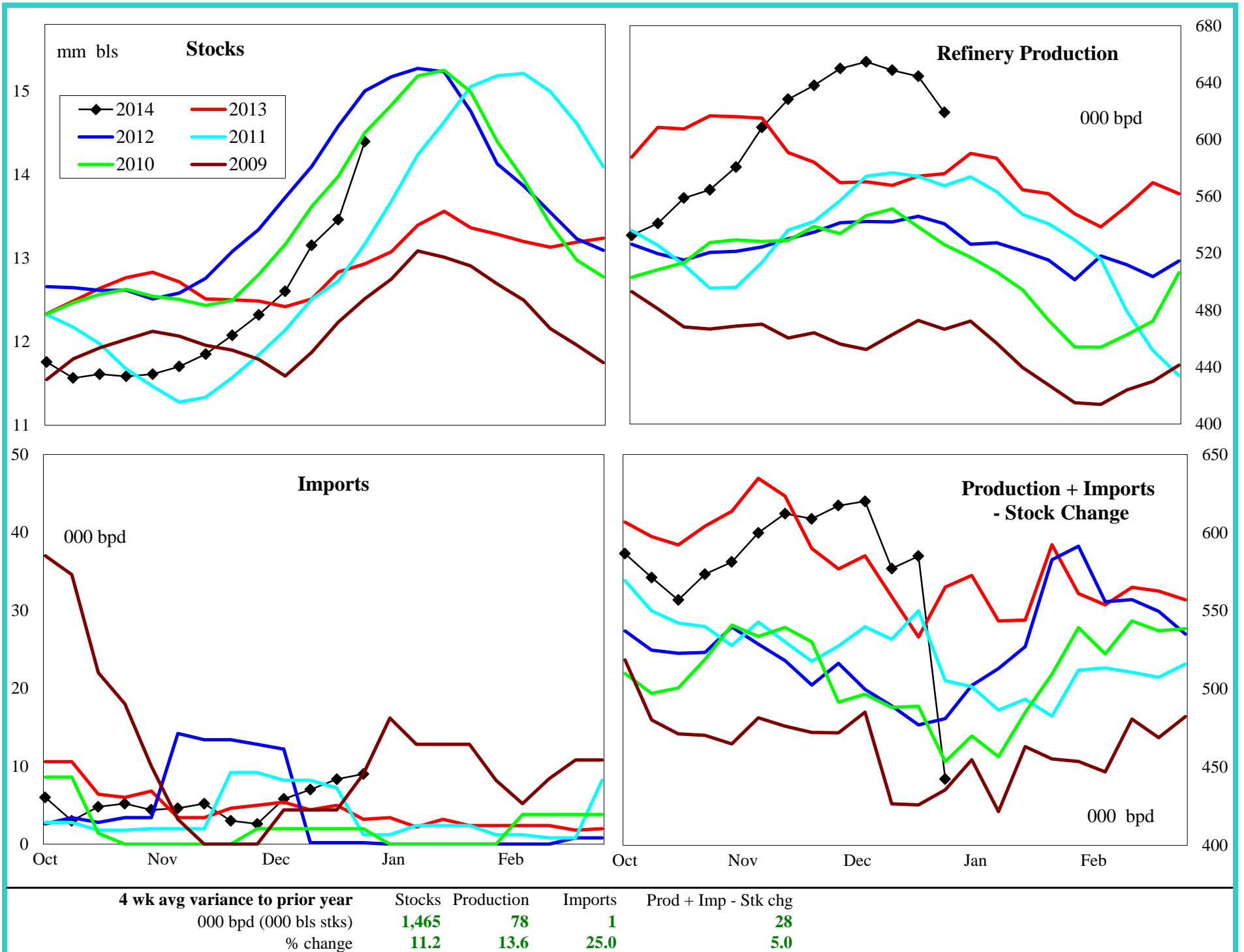
200.0

Prod + Imp - Stk chg

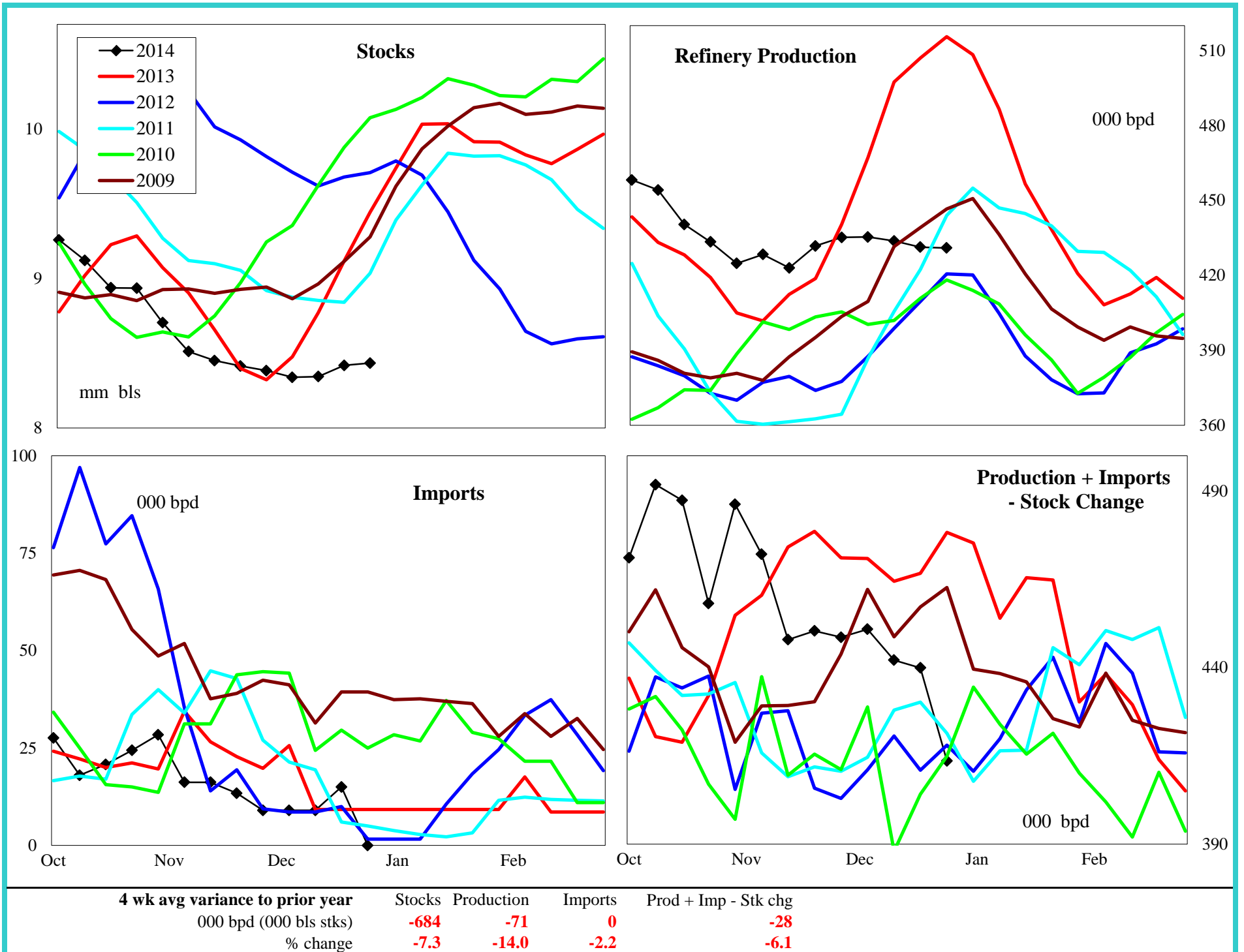
-9

-1.9

PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply

