



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

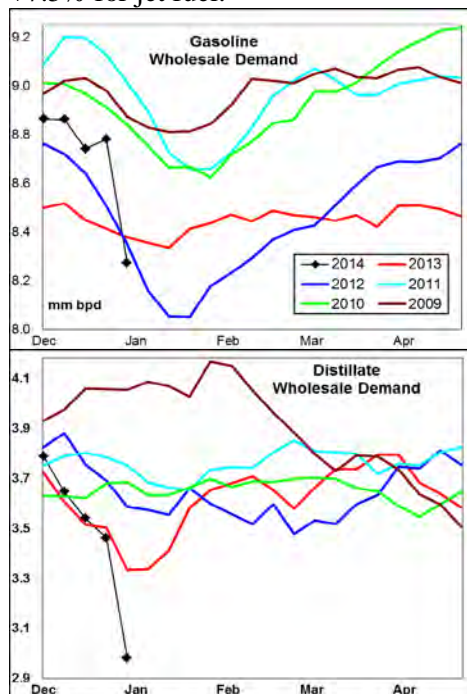
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, January 08, 2014



Major Fundamental Trends¹

Inclement weather and holiday reduced terminal loadings has led to a sharp decline in wholesale demand for transport fuels during the last 2-wks. However, for the most recent 4-wk period year-on-year growth was +4.8% for gasoline, +2.3% for distillate and +7.5% for jet fuel.

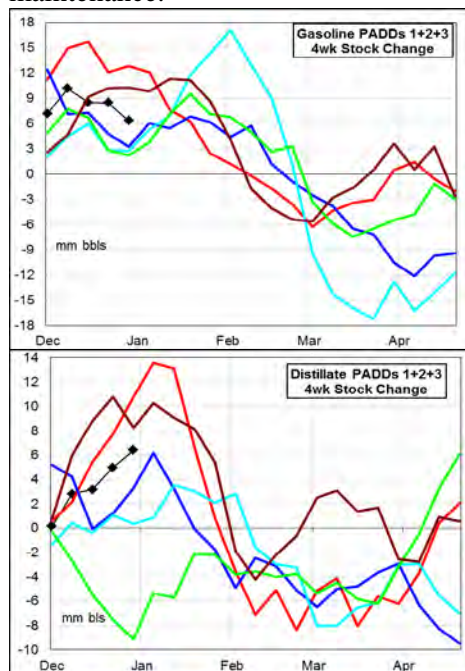


Look for further weakness in wholesale demand during the first ½ of January on inclement travel conditions, combined with seasonal downtrends for gasoline and jet fuel.

Lower wholesale demand led to +6 million barrel stock builds last week for gasoline and distillate. Even with the recent large weekly stock builds, the latest 4-wk stock change for both gasoline and distillates in markets East of the Rockies was comparable to the average of the last 3-yrs.

Crude oil refinery runs last week were +1.1 million bpd above a year ago; the result of incremental refinery expansions, fewer unplanned maintenance issues and a later than

normal start to Gulf winter refiner maintenance.



Thruput exceeded year ago levels in all regions last week, except the Rockies.

Demand for transport fuels fell a combined -0.9 million bpd last week, following the -1.3 million bpd drop the prior week. Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +4.8%; distillate was +2.3% higher; jet fuel was +7.5% higher, and residual decreased -27%.

Stocks forward coverage: Gasoline demand coverage increased on a +6.2 million barrel stock build and collapse in wholesale demand. Coverage ended the week at a level below the last 2-yrs.

Distillate coverage jumped on a +5.8 million barrel stock build and very low wholesale demand. Coverage ended the week at a level slightly below the 5-yr range.

Jet fuel coverage increased on a +0.6 million barrel stock build for the week. Coverage levels remain well below the 5-yr range.

Residual fuel oil coverage remains extremely high on very low demand and stock levels well above the historic mid range.

Refinery utilization rates decreased on

a -113,000 bpd declined in crude oil runs last week. During the latest 4-wk period crude oil input was +0.8 million bpd above a year ago.

Gasoline yield % on crude oil runs increased last week on a +42,000 bpd rise in output compared to the -113,000 bpd decline in crude oil runs. Yield % on crude oil runs ended the week at a record low level.

Distillate yield % on crude oil runs fell last week, on a -154,000 bpd decrease in output compared to the small decline in crude oil runs. The yield % on crude oil runs ended the week at a level above four of the last 5-yrs.

Jet fuel yield % on crude oil runs increased on a +25,000 bpd rise in output, compared the decrease in crude oil runs. The yield % level matched record 5-yr highs.

Petroleum Imports/Exports: Imports of crude oil increased +0.5 million bpd last week, on increases in all regions except the Gulf. Imports of gasoline increased last week while middle distillates were nearly unchanged.

During the latest 4-wk period crude oil *imports* were -0.3 million bpd below last year; distillate imports were -27,000 bpd lower; finished gasoline imports were -18,000 bpd lower, gasoline blend stock imports were -69,000 bpd lower; jet fuel imports increased +28,000 bpd, while residual fuel oil imports were +3,000 bpd higher.

The latest weekly *export* estimate saw a +36,000 bpd increase in gasoline, a +276,000 bpd jump in distillate and +14,000 bpd rise in jet fuel compared to a year ago.

Crude Oil stocks declined -2.7 million barrels last week, including a -6.1 million barrel draw in the Gulf region. Stocks increased +1.1 million barrels in Cushing OK, to a level -4.1 million barrels below last years' record high. Stock levels in the Gulf ended the week +1.3 million barrels above the prior record high for the period.

¹ Source is latest EIA Weekly Statistics



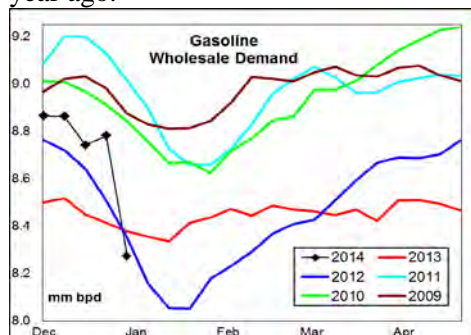
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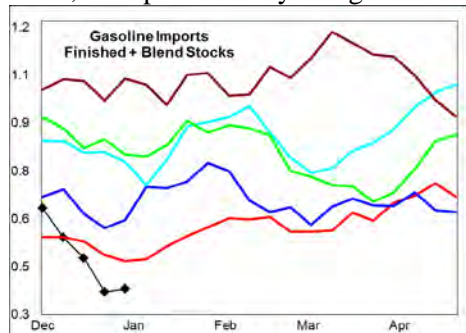
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Product Supply-Demand Trends

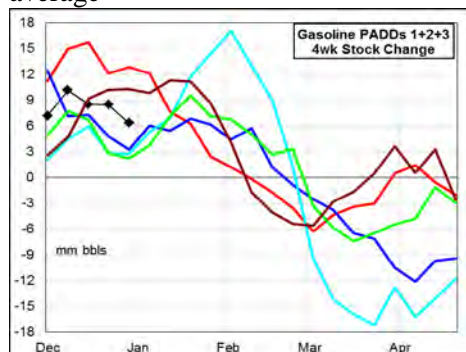
Gasoline wholesale demand fell -619,000 bpd last week on inclement weather. The latest 4-wk average demand was +401,000 bpd above a year ago.



Supply increased +174,000 bpd on higher production and imports; although imports remain very low. Supply for the latest 4-wk period was +354,000 bpd above a year ago.



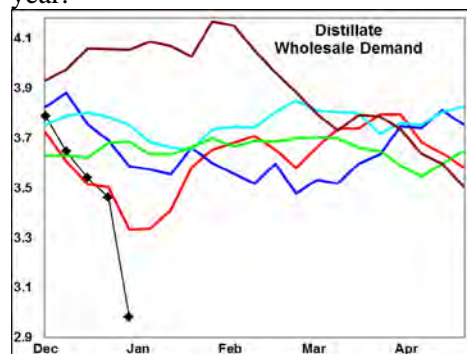
Stocks increased +6.2 million barrels last week, to a level near 5-yr highs. The latest 4-wk stock change in markets East of the Rockies was a +6.3 million barrel build, equal to the 3-yr average



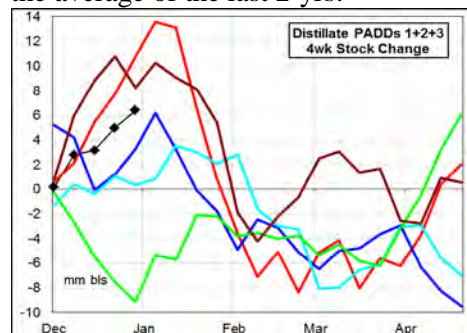
Look for weak wholesale demand on inclement weather in the 1st half of January, partially offset by weather related refinery operating disruptions. Widespread stock builds should continue during the next 30-days,

maintaining well supplied markets in all regions.

Distillate wholesale demand fell -0.3 million bpd last week on less holiday commercial use and lower export loadings. The latest 4-wk average demand was +82,000 bpd above last year. Supply fell -180,000 bpd last week on lower production. The latest 4-wk average supply was +165,000 bpd above last year. Stocks jumped +5.8 million barrels on the week, to a level -5.8 million barrels below last year.



The latest 4-wk stock change in markets East of the Rockies was a +6.4 million barrel build, a build equal to the average of the last 2-yrs.



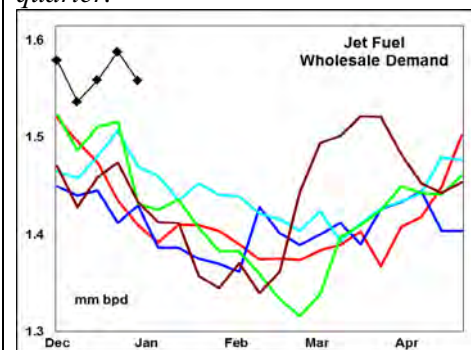
Look for a rebound in wholesale demand in the very near term on high heating use in the Northeast and a pickup in export loadings. A seasonal decrease in production and rebound in exports should keep stock levels at the low end of the 5-yr range during the 1st quarter.

Jet Fuel wholesale demand increased +48,000 bpd last week to a level above the 5-yr range. The latest 4-wk average demand was +107,000 bpd above a year ago.

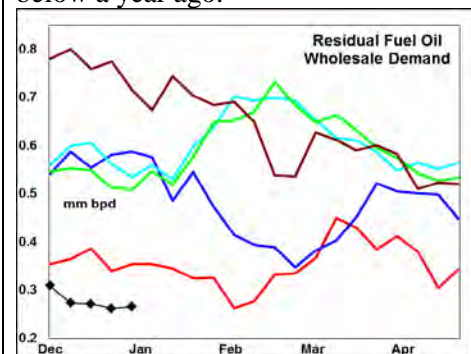
Production increased +25,000 bpd

on the week to a new record high. Output for the most recent 4-wk period was +133,000 bpd above a year ago. Imports were also +28,000 bpd above a year ago. Stocks increased +0.6 million barrels last week, to a level -2.2 million barrels below a year ago, and below the 5-yr range.

A record level of production and higher imports has been offset by a surge in wholesale demand that has kept stock levels extremely low in all major regional markets. A sharp drop in seasonal demand should lead to improved stock levels during the 1st quarter.



Residual fuel oil demand decreased -6,000 bpd last week. Demand for the latest 4-wk period was -85,000 bpd below a year ago.



Supply (production + imports) increased +41,000 bpd on higher imports. Production was +90,000 bpd above a year ago for the latest 4-wk period. Stock levels ended the week +2 million barrels above the last 2-yrs.

Imports and stock levels in the key Gulf region were each at record highs for the period. Stock levels were also at 5-yr highs on the West coast.



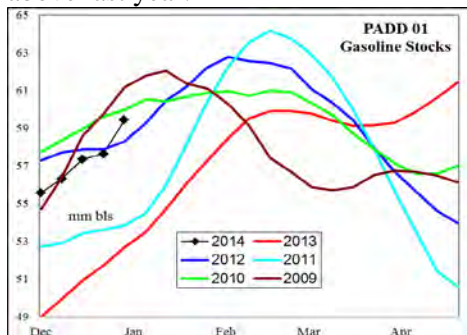
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PADD Supply Trends

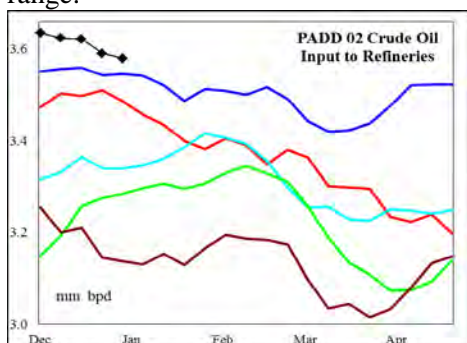
PADD 1 refinery crude oil runs decreased -5,000 bpd last week; with the latest 4-wk average +85,000 bpd above last year.



Gasoline supply decreased -64,000 bpd on the week, with the level +64,000 bpd above last year for the most recent 4-wk period. Stocks increased +2.2 million barrels last week, a level above the last 3-yr.

Distillate supply fell -46,000 bpd last week, on lower imports. Stocks increased +2.3 million barrels on the week, to a level -5.7 million barrels below the 5-yr range.

Jet fuel supplies increased +43,000 bpd last week, to a level above the 5-yr range.



PADD 2 crude oil refinery runs decreased -23,000 bpd last week, with the latest 4-wk average +78,000 bpd above last year. Crude oil stocks increased +2.3 million barrels last week, including a +1.1 million barrel build in Cushing.

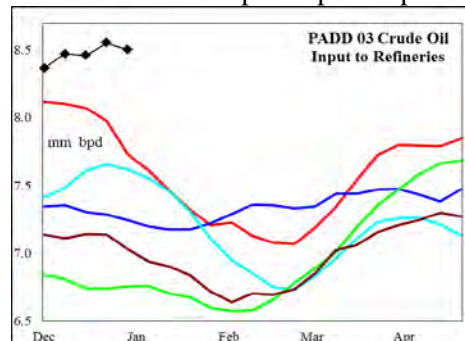
Gasoline production decreased -16,000 bpd last week to a level near prior year highs. Production for the most recent 4-wk period was +234,000 bpd above a year ago – driven by the EIA recording sub octane product

shipped into the Midwest as finished product production when blended with ethanol. Stocks increased +1.5 million barrels on the week, ending -2% below a year ago.

Distillate supply decreased -33,000 bpd last week, with the 4-wk average +66,000 bpd above last year. Stocks jumped +2.6 million barrels on the week, with the level +2% above last year.

Jet fuel production increased +23,000 bpd last week, to a level near 5-yr highs. Stocks ended the week -4% below the historic range.

PADD 3 refinery runs decreased -51,000 bpd last week, with the level above the 5-yr range. During the latest 4-wk period, average runs were +449,000 bpd above last year. Crude oil stocks fell -6.1 million barrels last week, due to very high refinery runs and a -0.4 million bpd drop in imports.



Gasoline supply increased +40,000 bpd last week, with the latest 4-wk average +22,000 bpd above a year ago. Stocks increased +0.4 million barrels last week, to a level near the 3-yr range.

Distillate supply fell -96,000 bpd on the week, with the latest 4-wk average supply +150,000 bpd above last year. Stocks decreased -0.4 million barrels last week, to a level +8% above last year.

Jet fuel production increased +29,000 bpd on the week, with the level above the 5-yr range. Stocks increased +0.7 million barrels on the week to a level near historic lows.

Residual fuel supply increased +119,000 bpd on higher imports. Stock levels ended the week at a record

high.

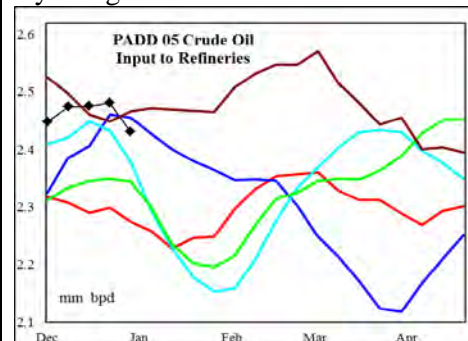
PADD 4 refinery crude runs increased +37,000 bpd last week, a level near the 5-yr high. Crude oil stock levels were +12% above the previous record high, while imports jumped to a record high for the week.

Gasoline production increased +7,000 bpd on the week, to a level that matched historic highs. Stocks increased +0.1 million barrels, to a level -2% below a year ago.

Distillate production was unchanged for the week, and -27,000 bpd below last year for the latest 4-wk period. Stocks increased +0.2 million barrels to a level that matched the 3-yr mid range.

Jet fuel production was at a 5-yr high for the week, with stocks near the 5-yr mid range.

PADD 5 crude oil refinery runs decreased -71,000 bpd last week although the level ended near historic highs for this time of year. The latest 4-wk run rate was +176,000 bpd above a year ago.

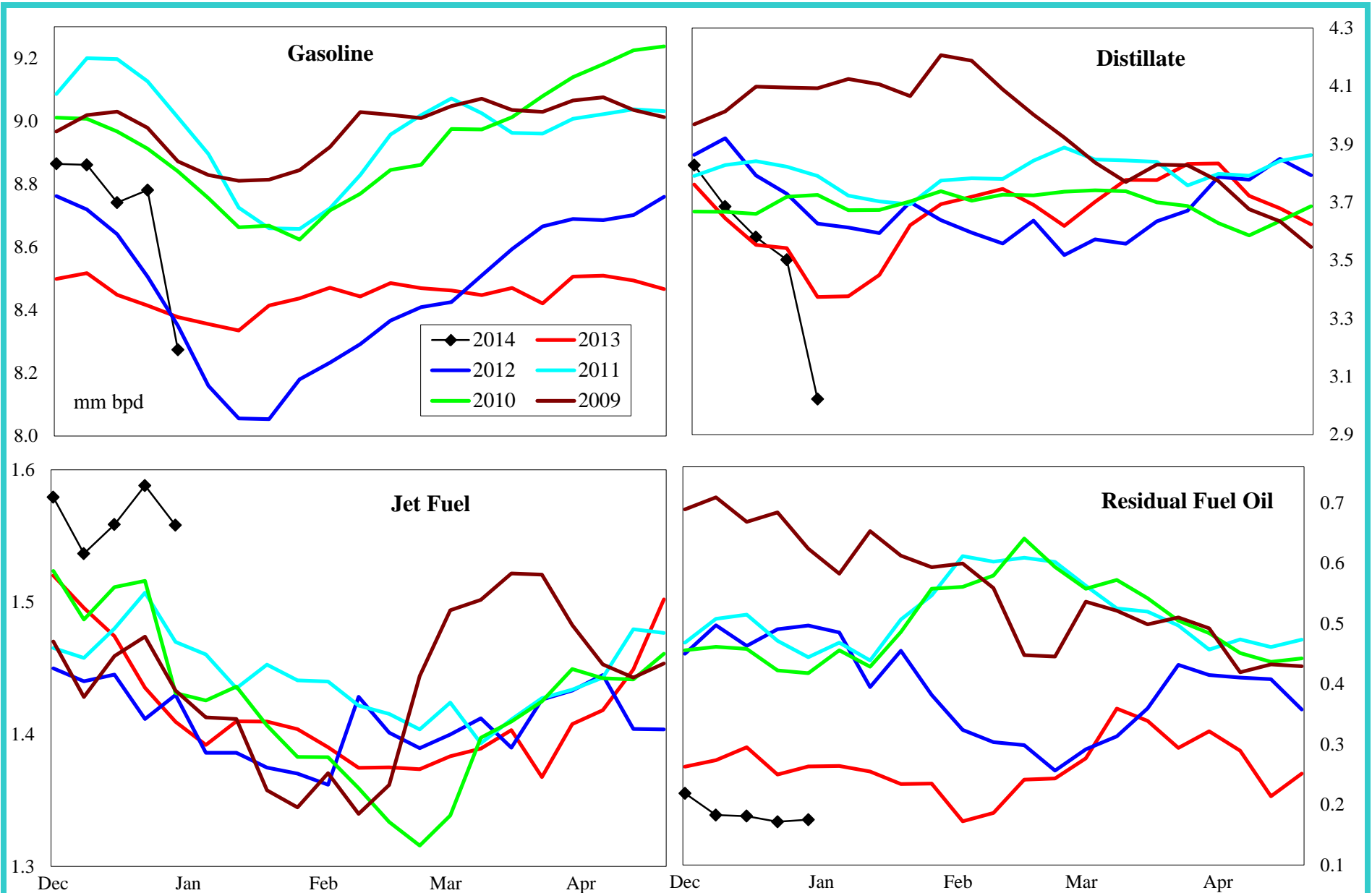


Gasoline supply decreased -54,000 bpd on the week to a level near the 5-yr mid range. The latest 4-wk average supply was +57,000 bpd above a year ago. Stocks jumped +2.1 million barrels on the week to a level above the 3-yr mid range.

Distillate supply decreased -7,000 bpd, with production above the 5-yr range. The latest 4-wk average supply was +27,000 bpd jumped +1.1 million barrels last week, to a level -1.6 million barrels below last year, which was a 5-yr high.

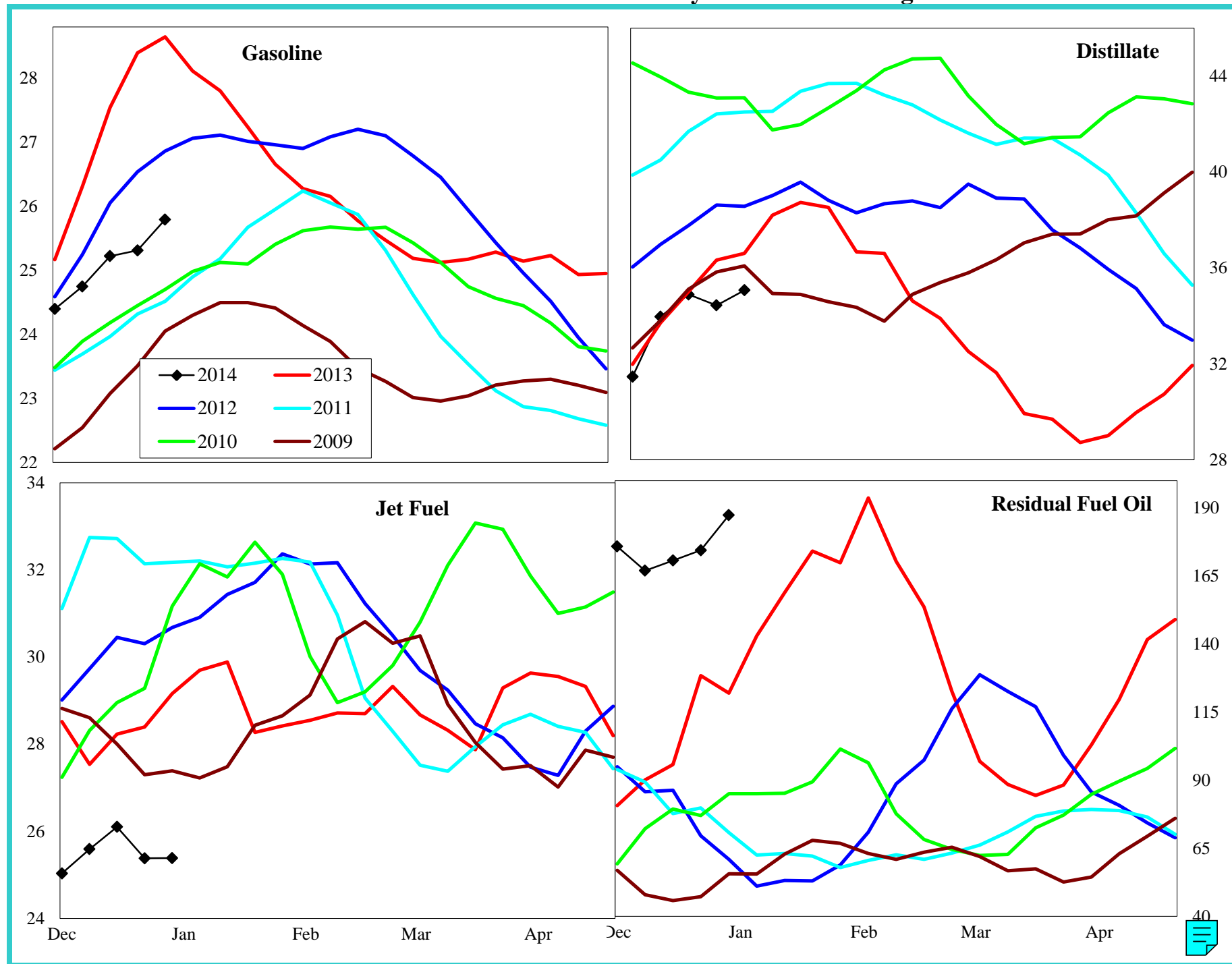
Jet fuel supply remains extremely high on record production.

United States Wholesale Petroleum Demand

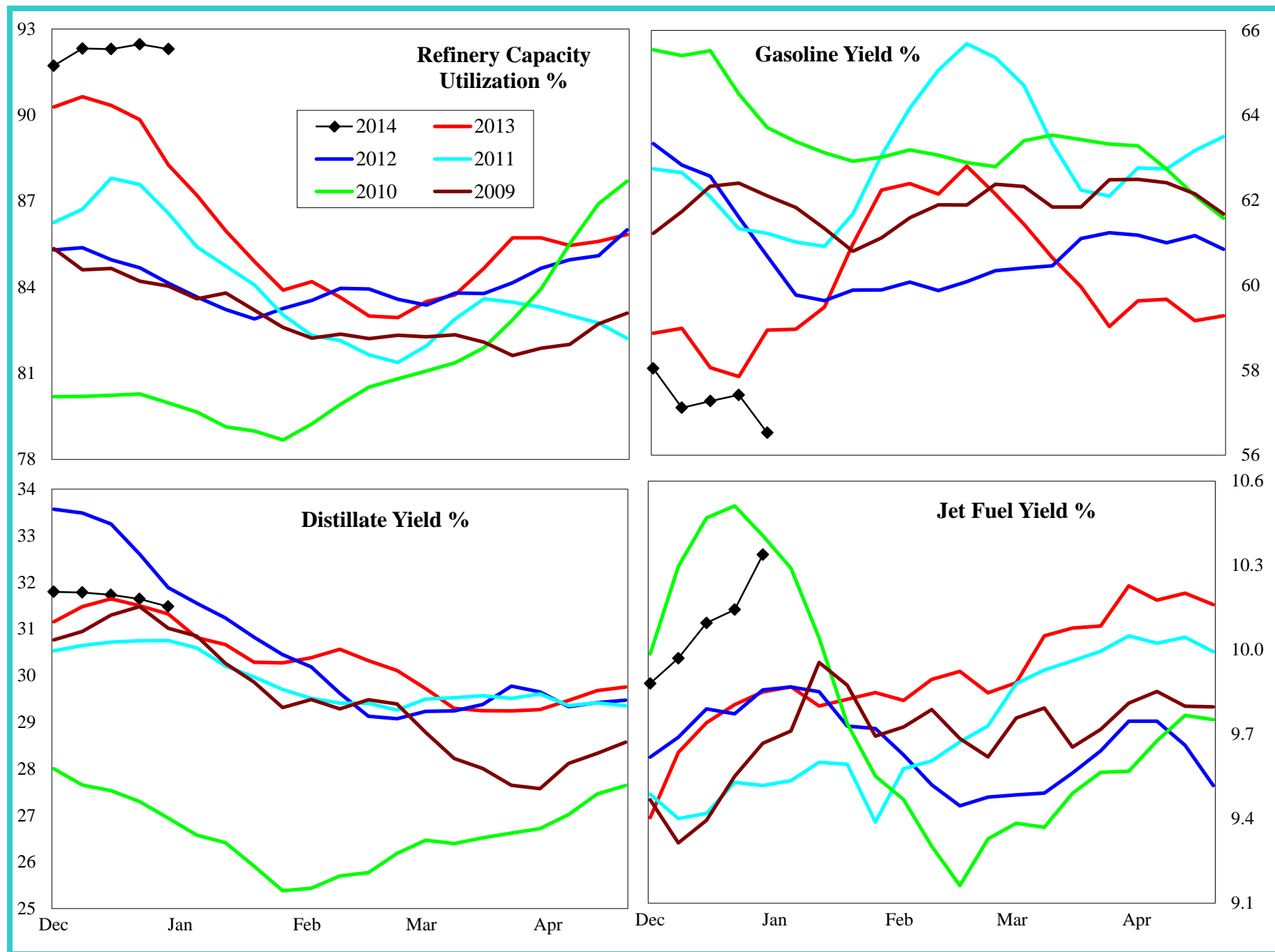


| | 000 bpd change from prior year | | | | % change from prior year | | | |
|-------------------|--------------------------------|-----|-----|-----|--------------------------|------|-------|-----|
| | 4wk avg | Dec | Nov | Oct | 4wk avg | Dec | Nov | Oct |
| Gasoline | 401 | 480 | 396 | 121 | 4.8 | 5.7 | 4.6 | 1.4 |
| Distillate | 82 | 191 | 22 | 257 | 2.3 | 5.4 | 0.6 | 6.7 |
| Jet Fuel | 107 | 146 | 132 | 111 | 7.5 | 10.6 | 9.4 | 8.3 |
| Resid | -85 | 33 | -53 | 26 | -27.4 | 17.4 | -18.0 | 9.3 |

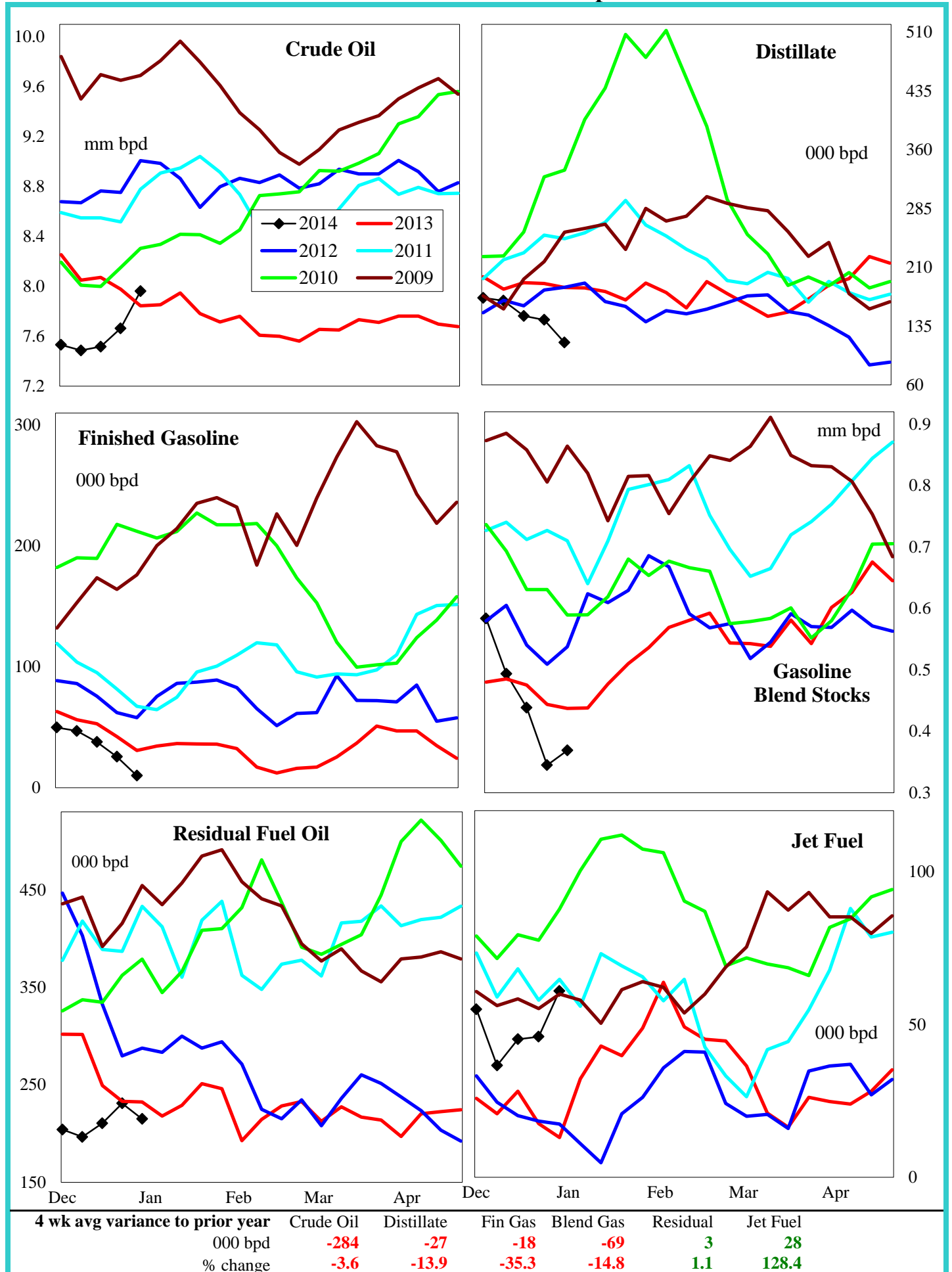


United States Product Stocks: Days Forward Coverage

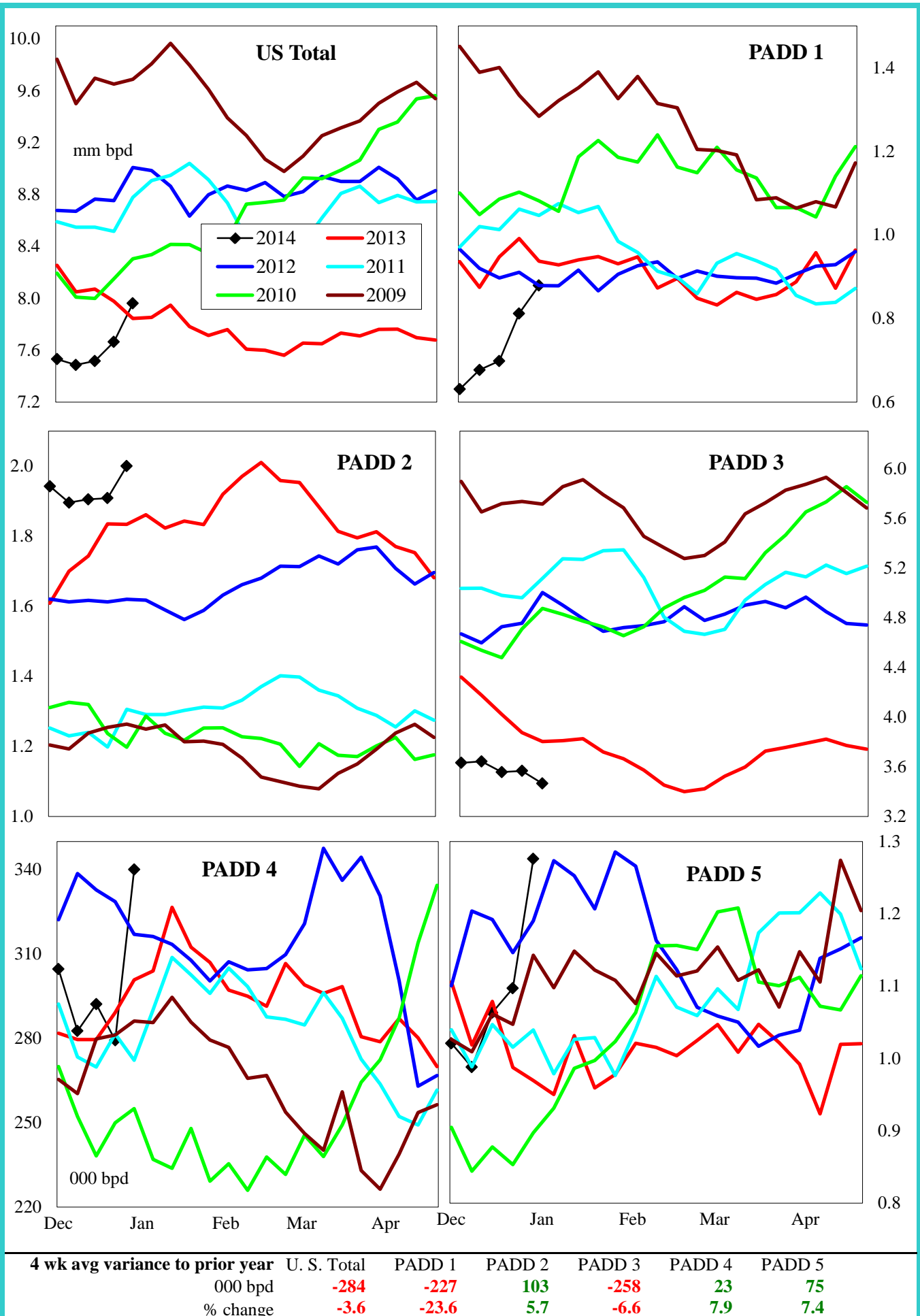
United States Refinery Percent Utilization Rate and Product Yields



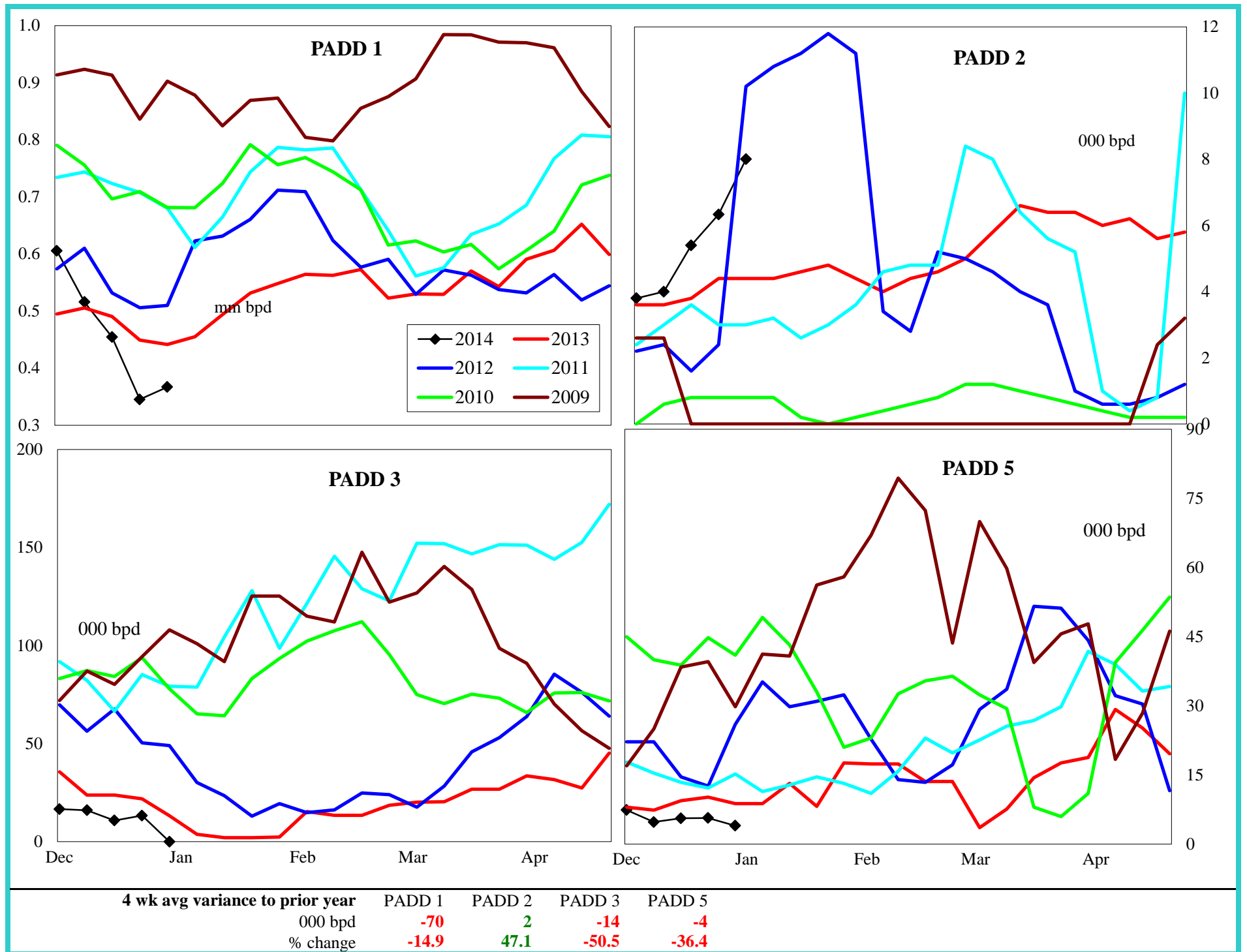
United States Petroleum Imports



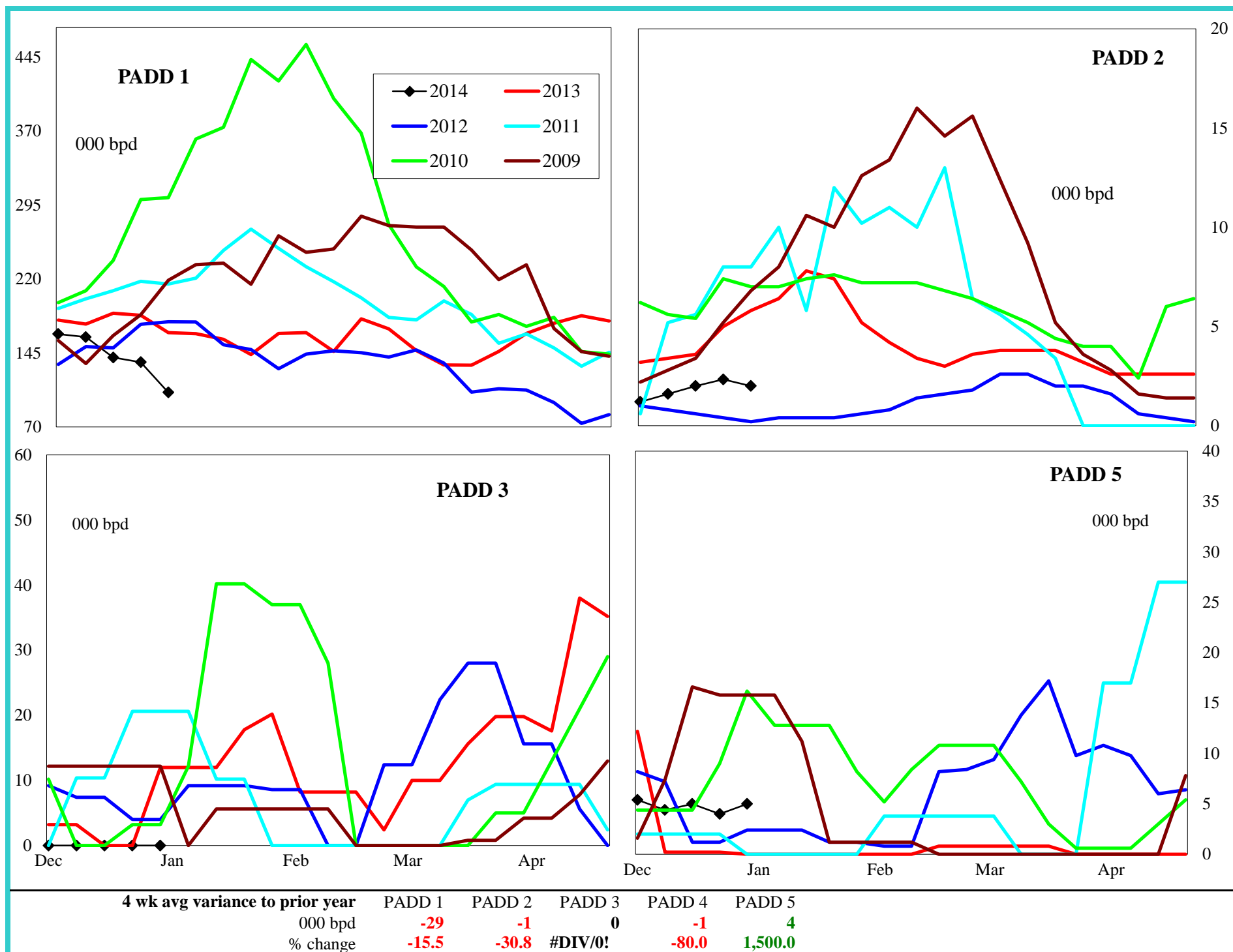
Crude Oil Imports by PADD



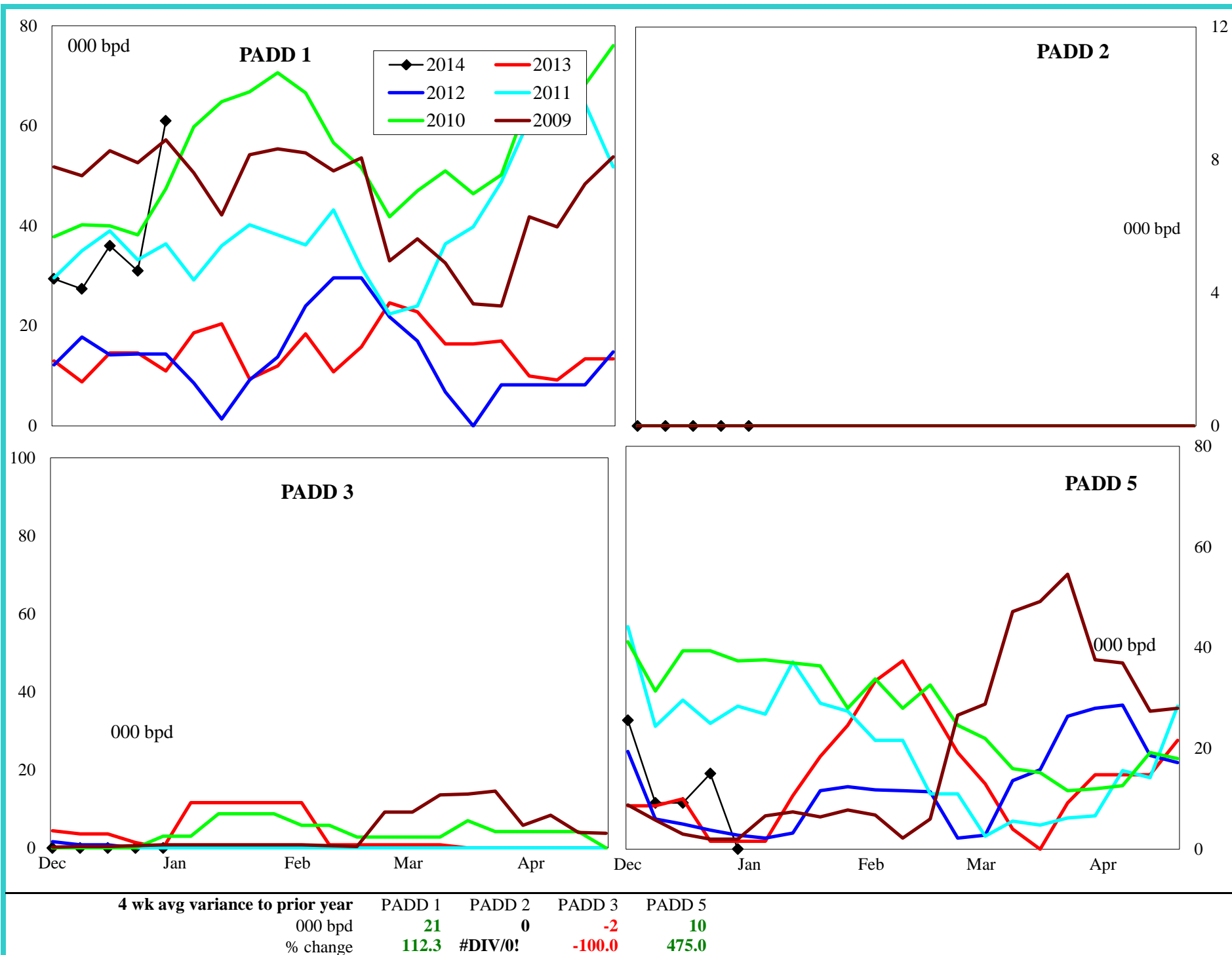
Gasoline Imports by PADD (Finished + Blend Stocks)



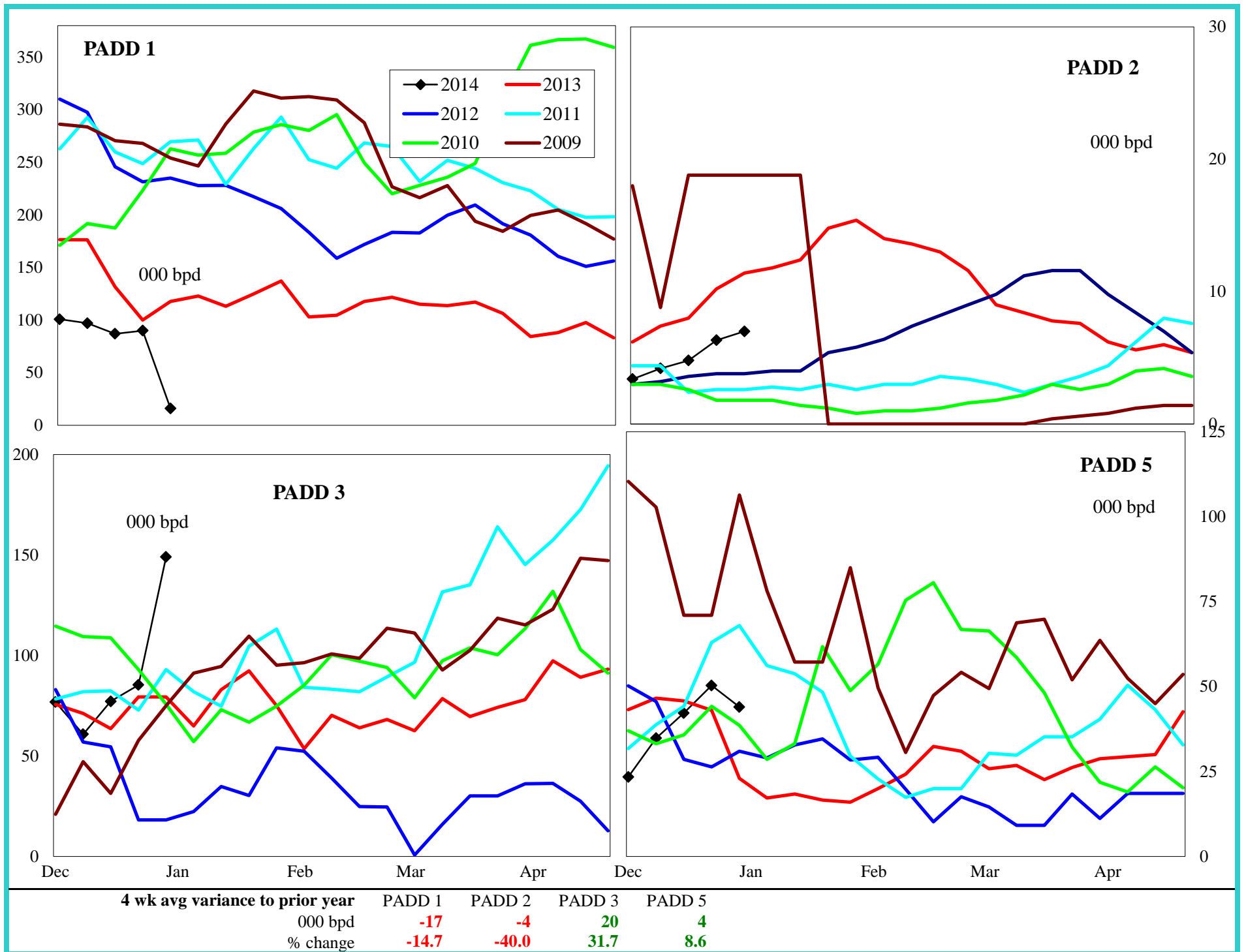
Distillate Imports by PADD



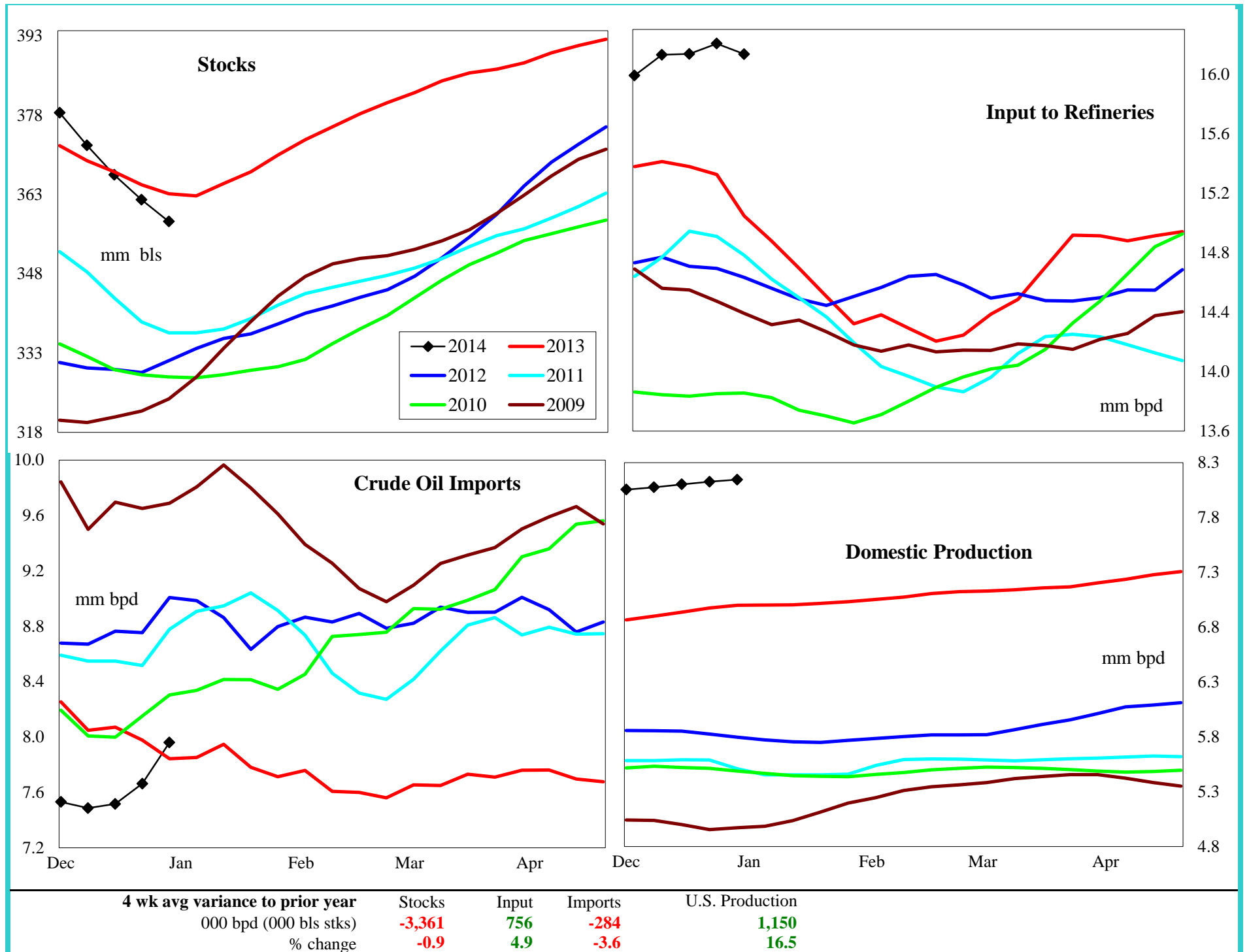
Jet Fuel Imports by PADD



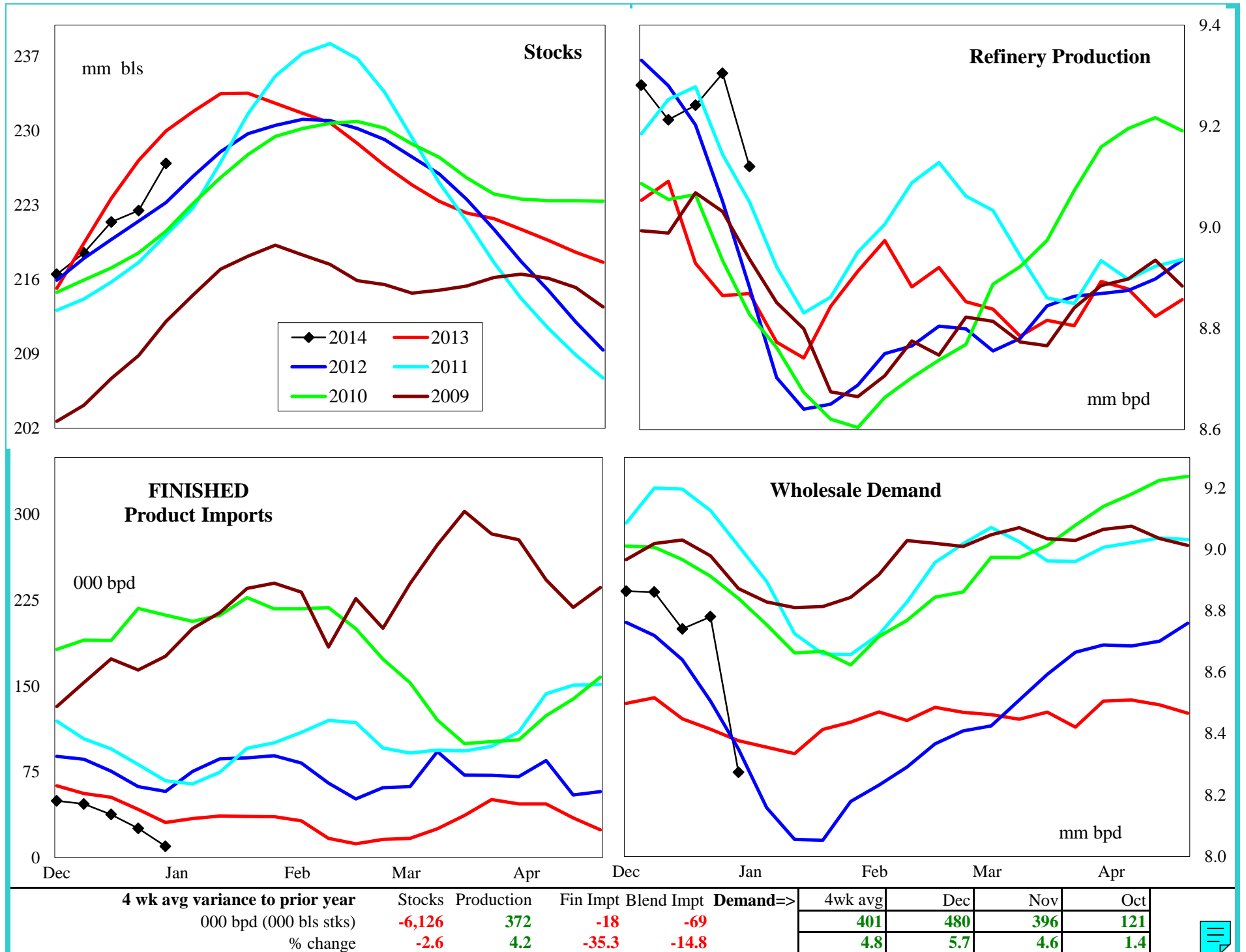
Residual Fuel Oil Imports by PADD



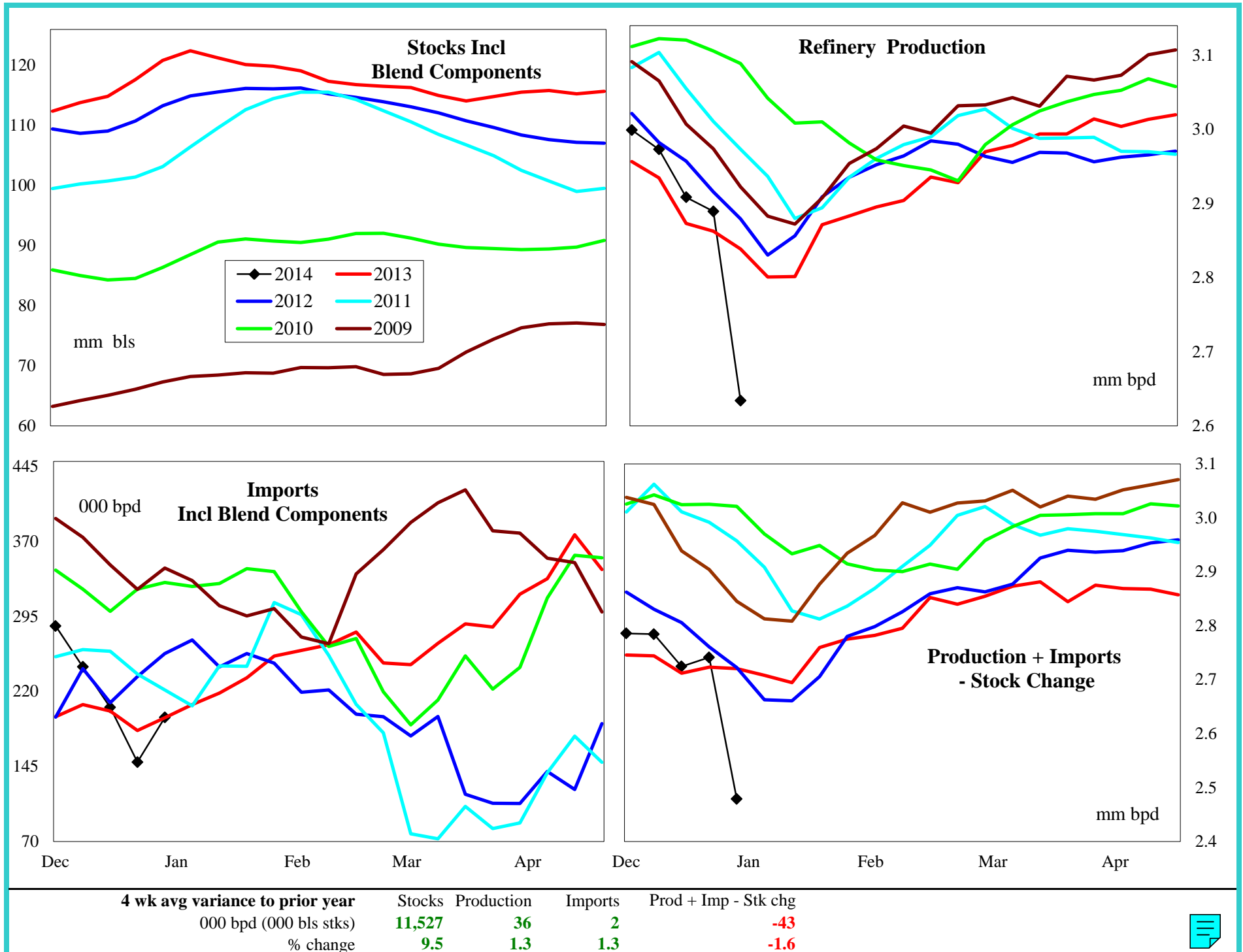
United States Crude Oil Supply and Demand Balance



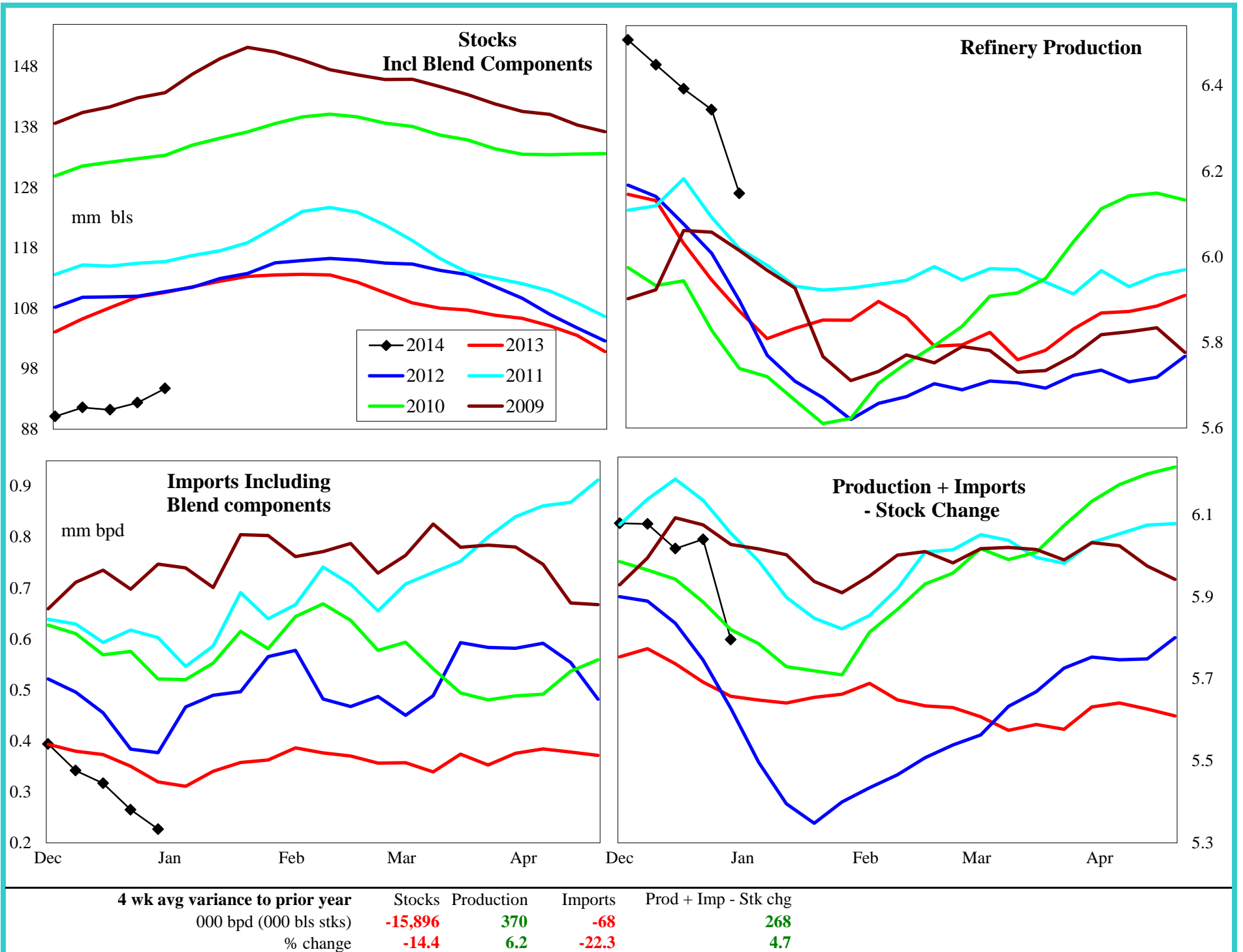
United States Gasoline Supply and Demand Balance



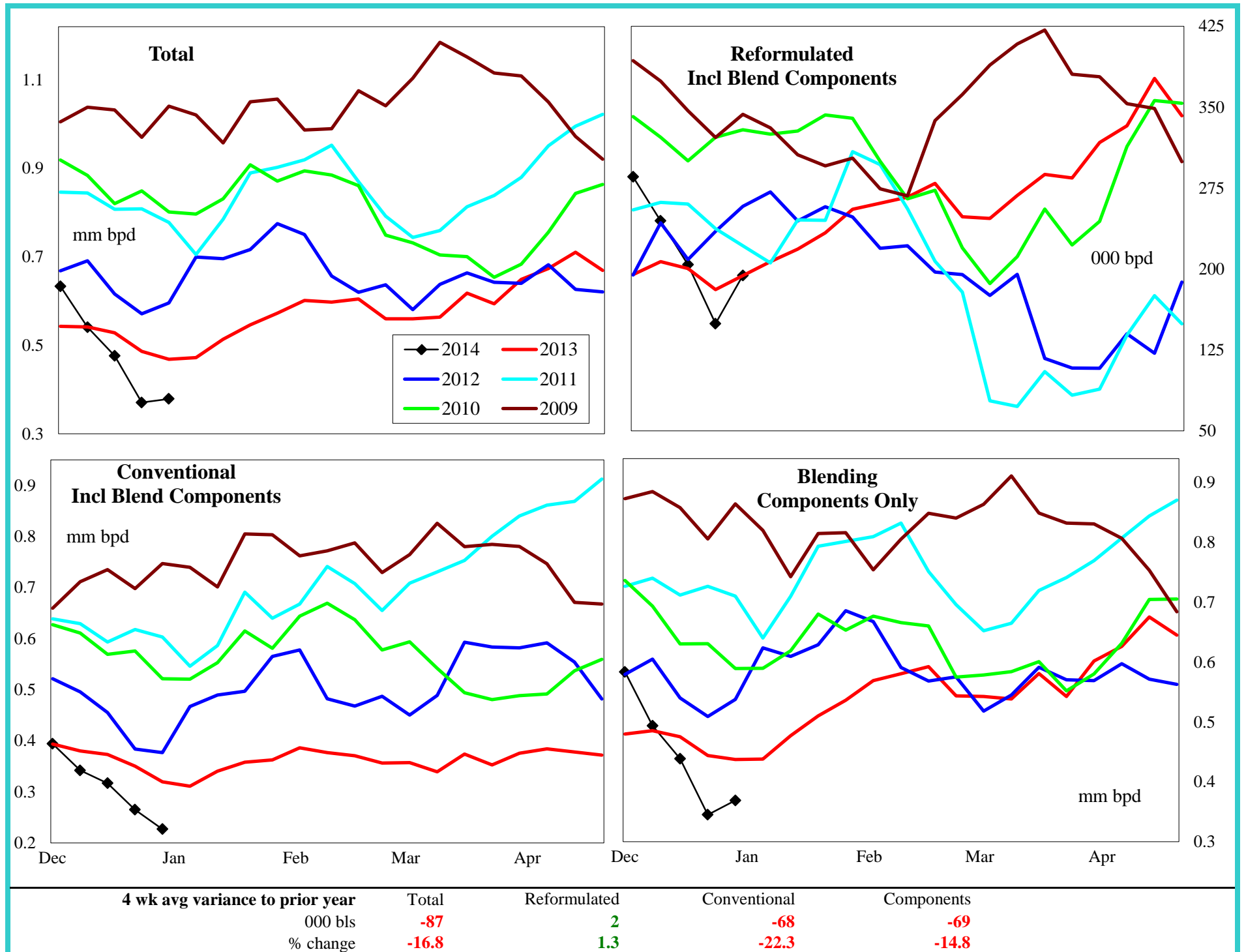
United States Reformulated Gasoline Supply



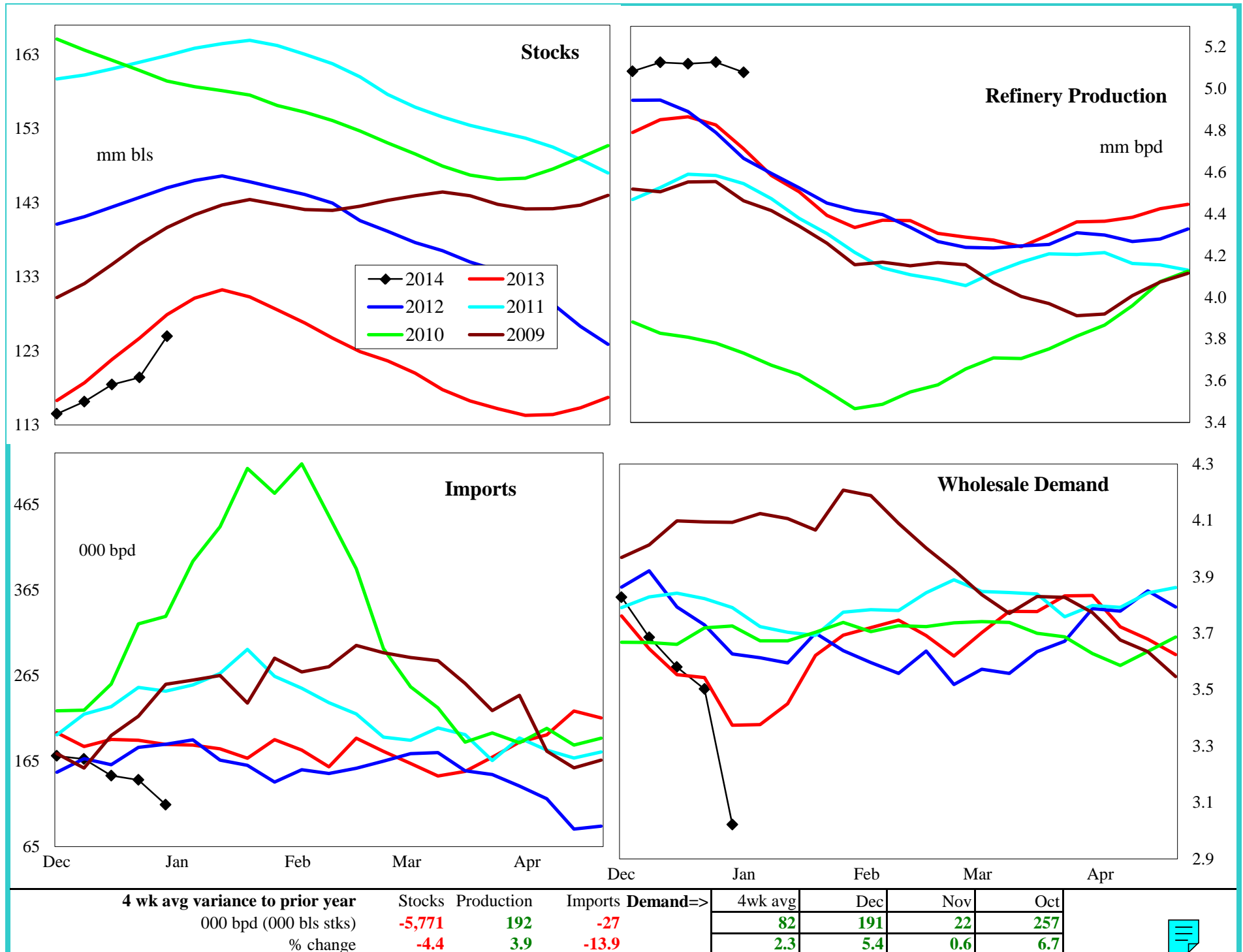
United States Conventional Gasoline Supply



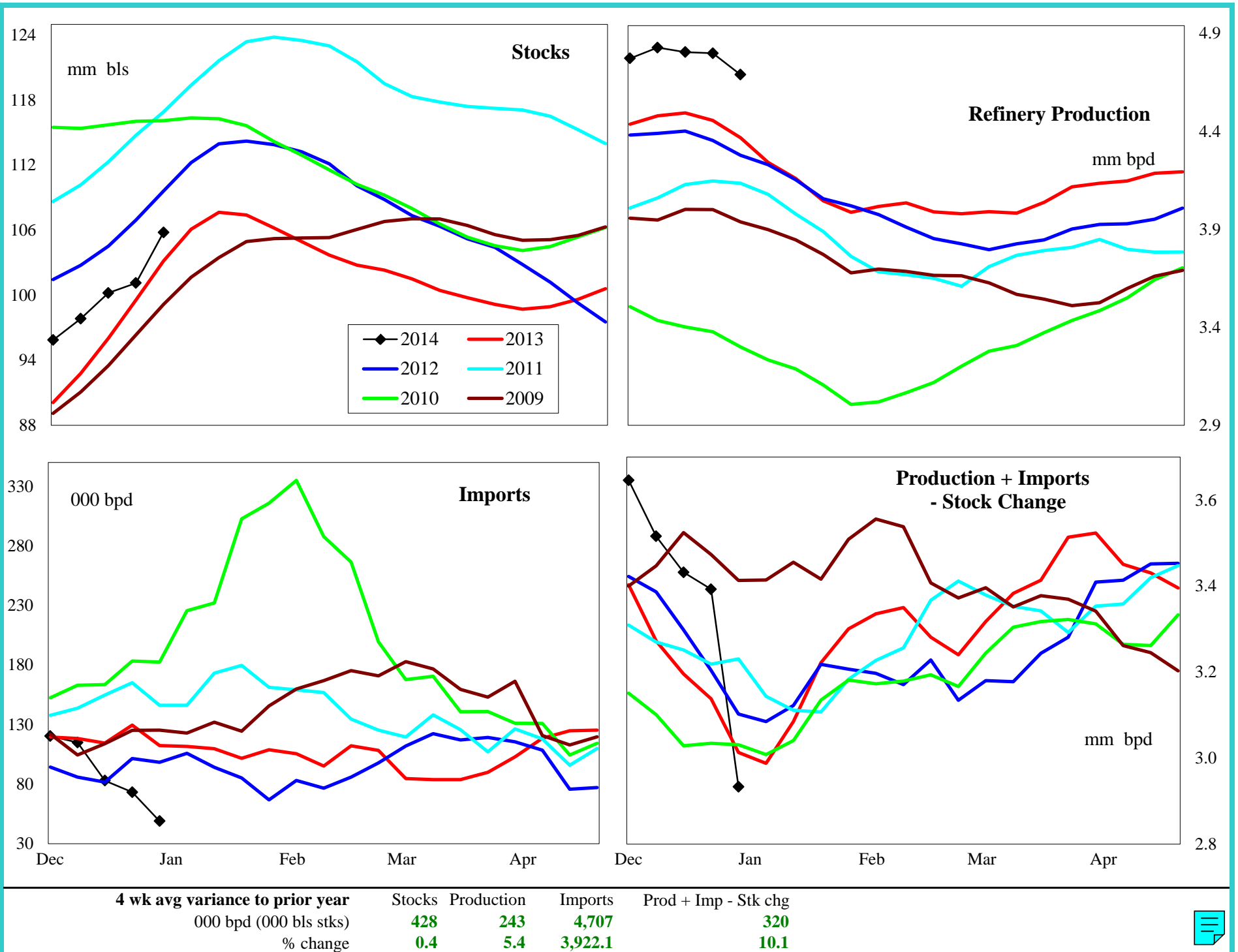
United States Gasoline Imports by Type



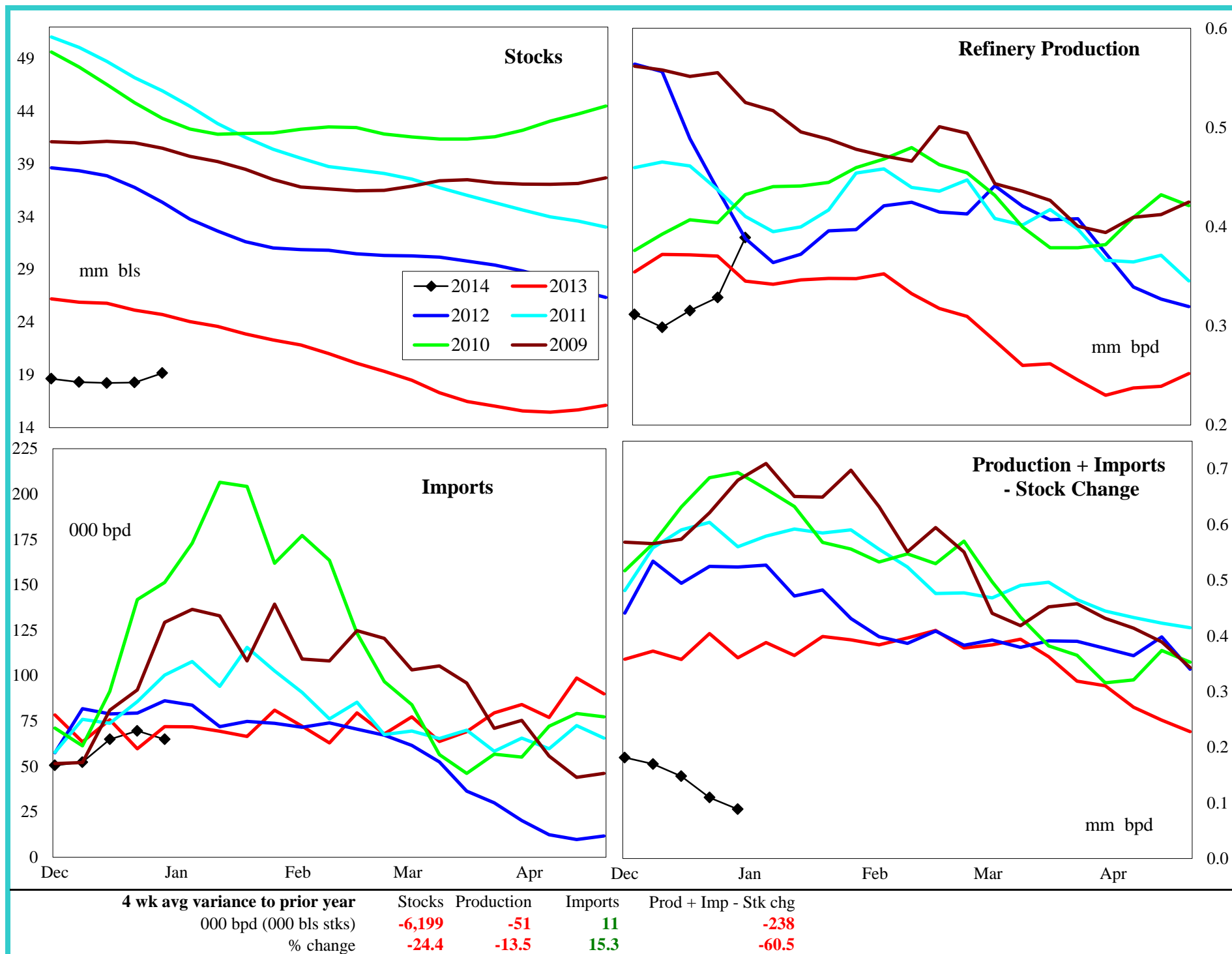
United States Distillate Supply and Demand Balance



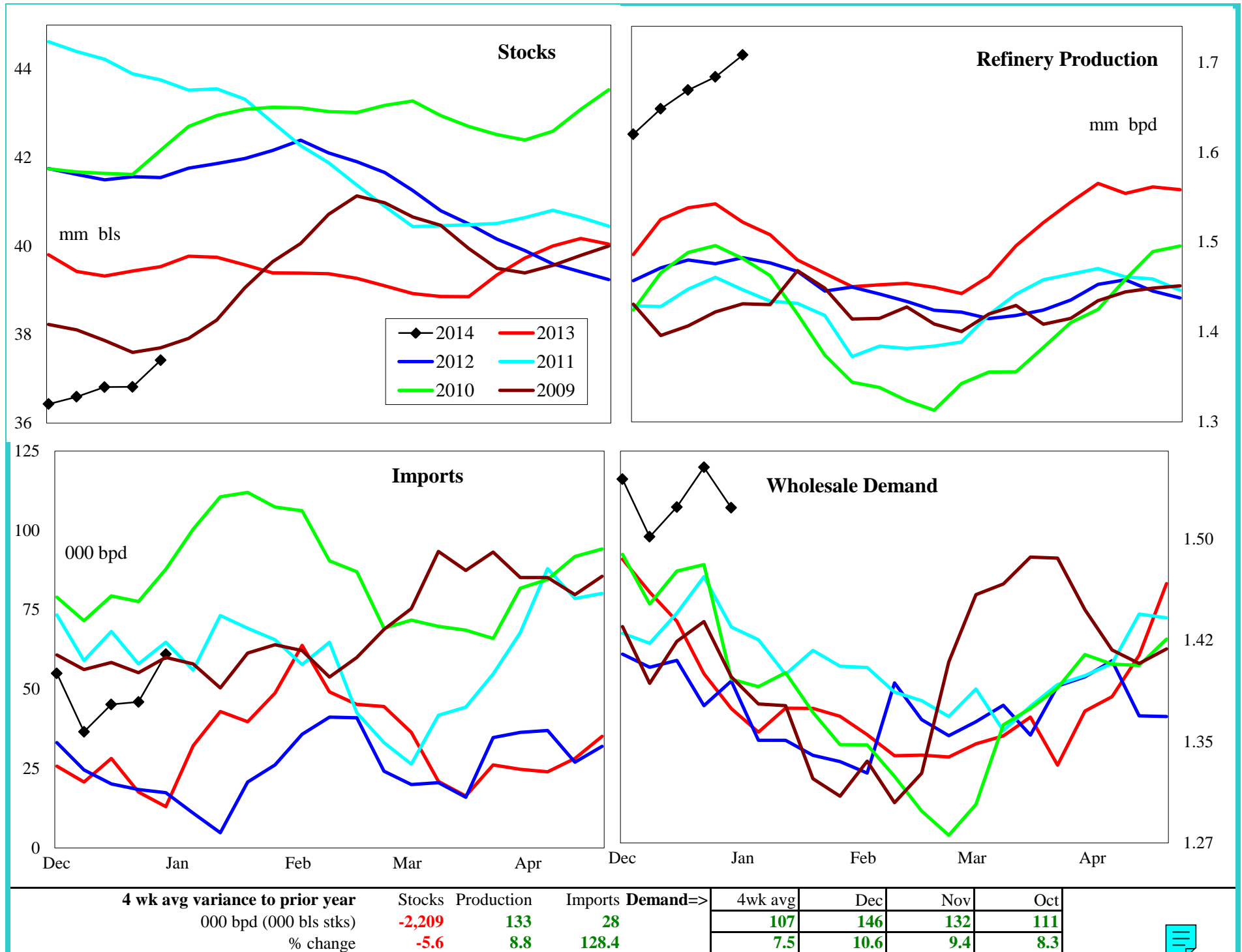
United States Low Sulfur Distillate Supply



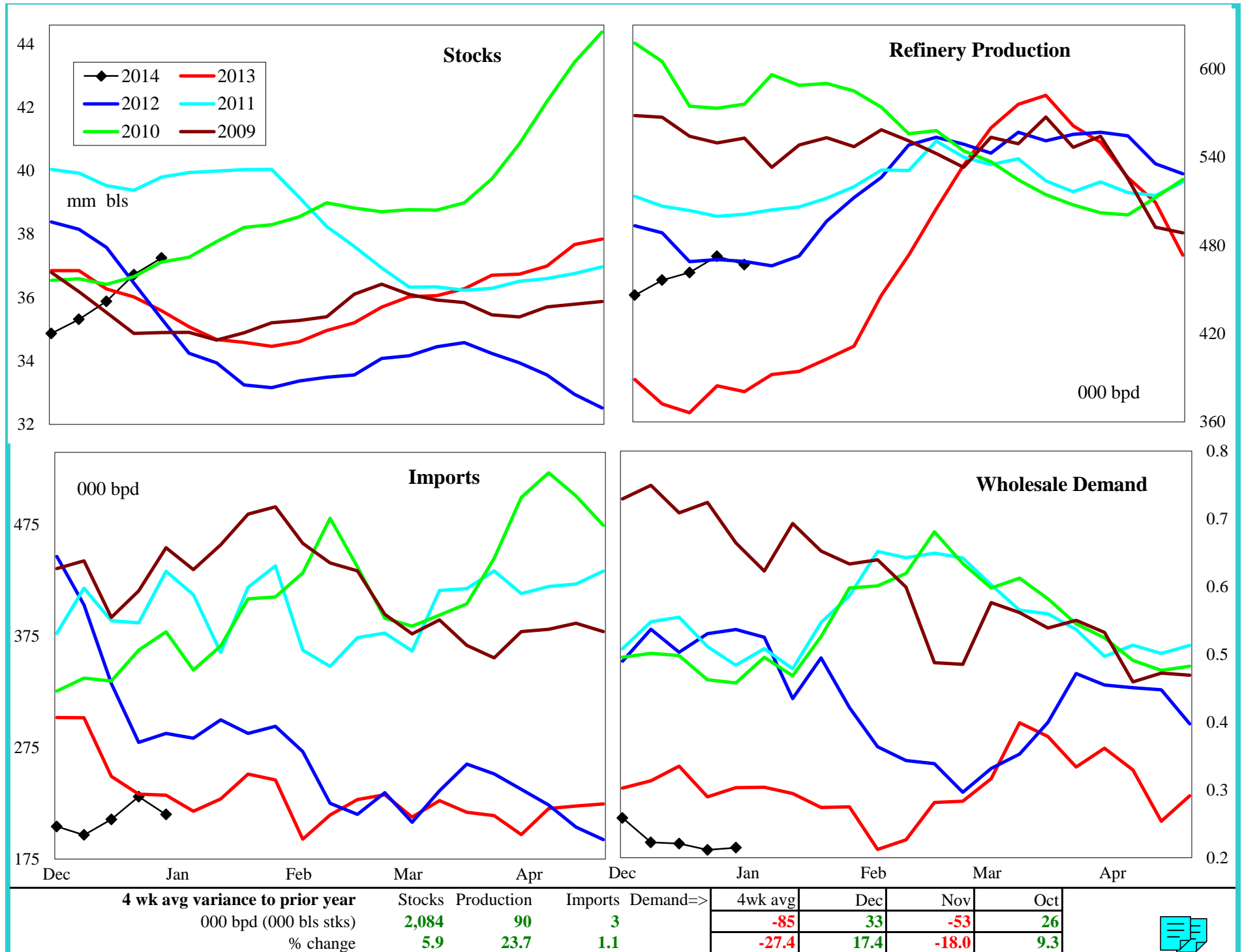
United States High Sulfur Distillate Supply



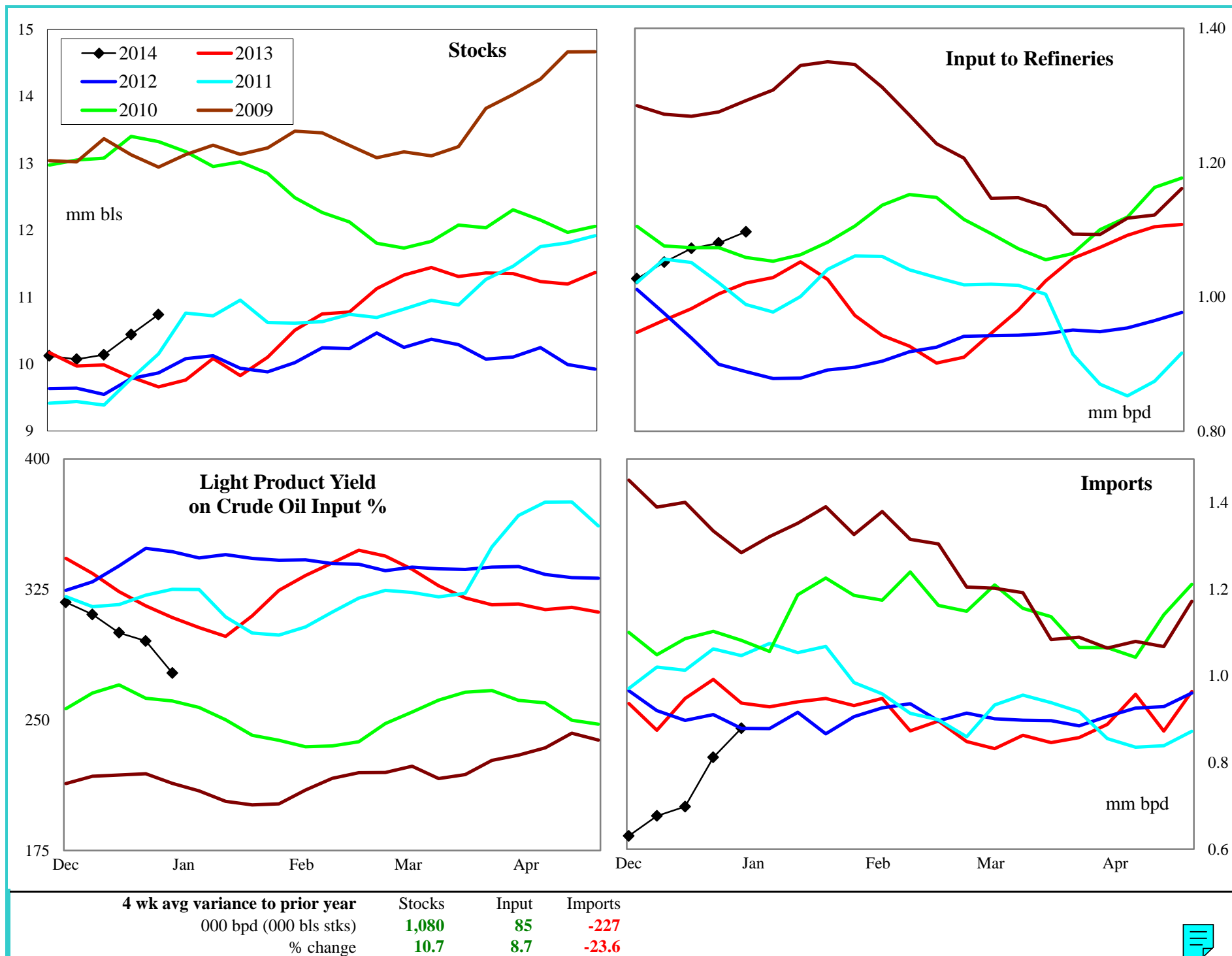
United States Jet Fuel Supply and Demand Balance



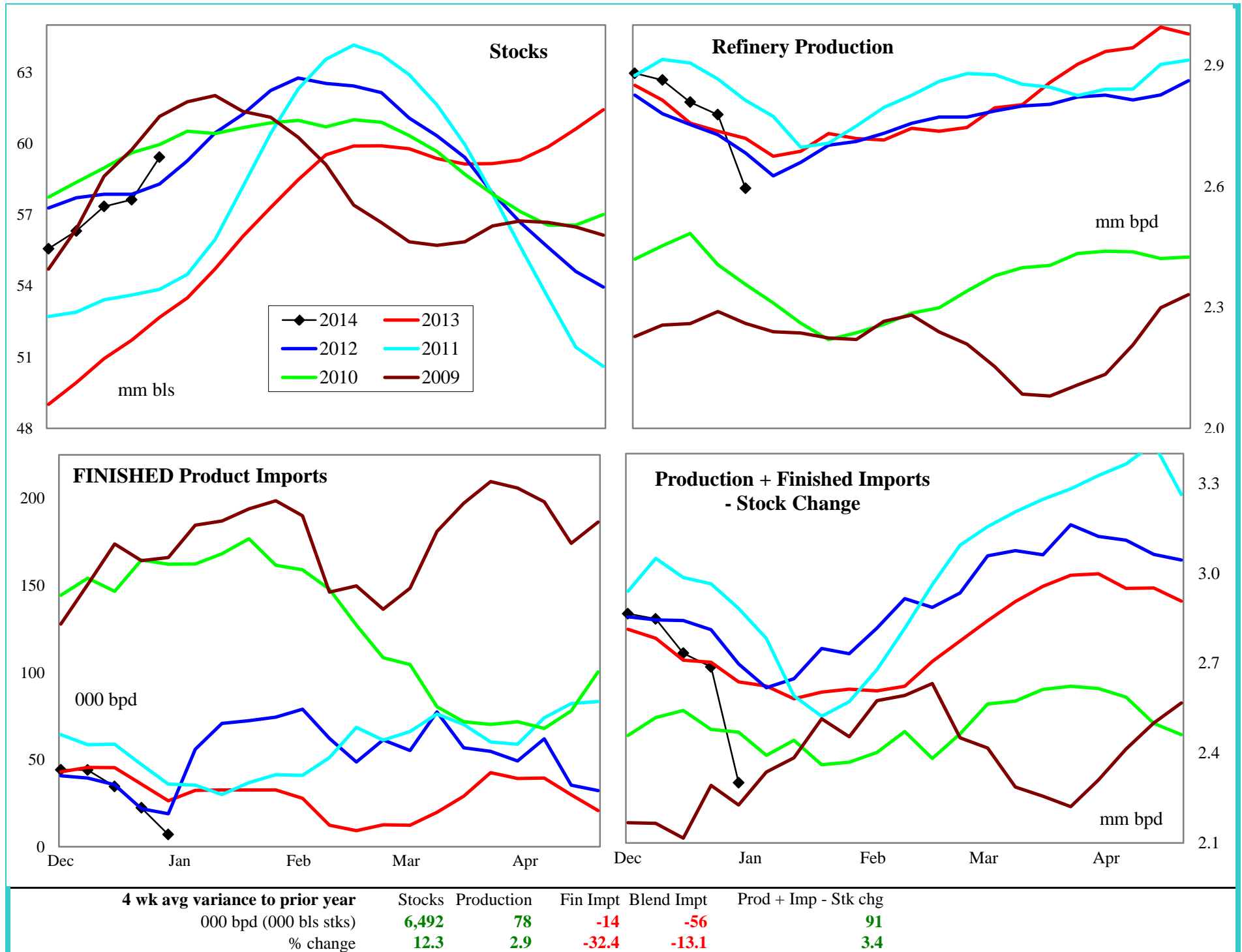
United States Residual Fuel Oil Supply and Demand Balance



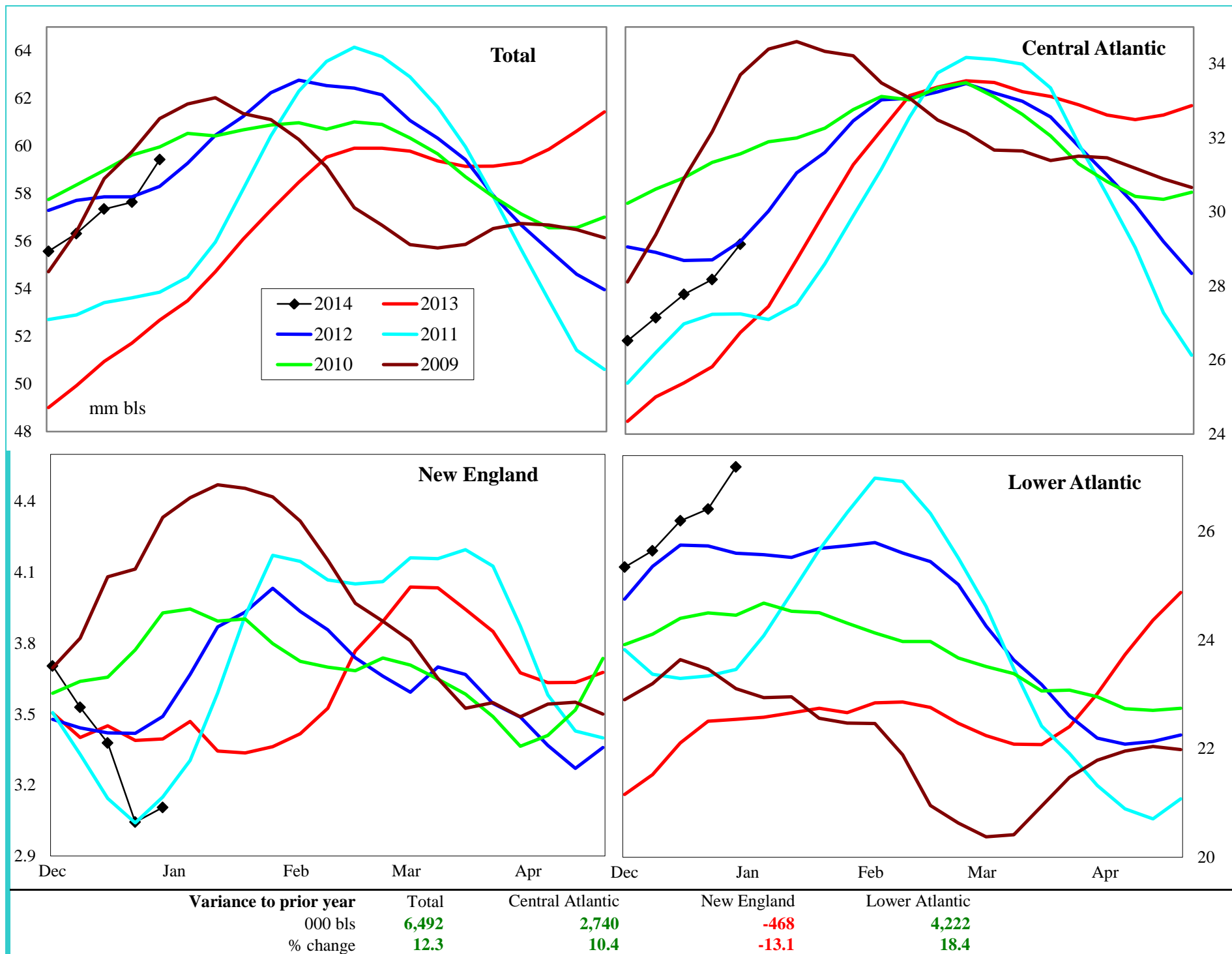
PADD 1 Crude Oil Supply and Refining



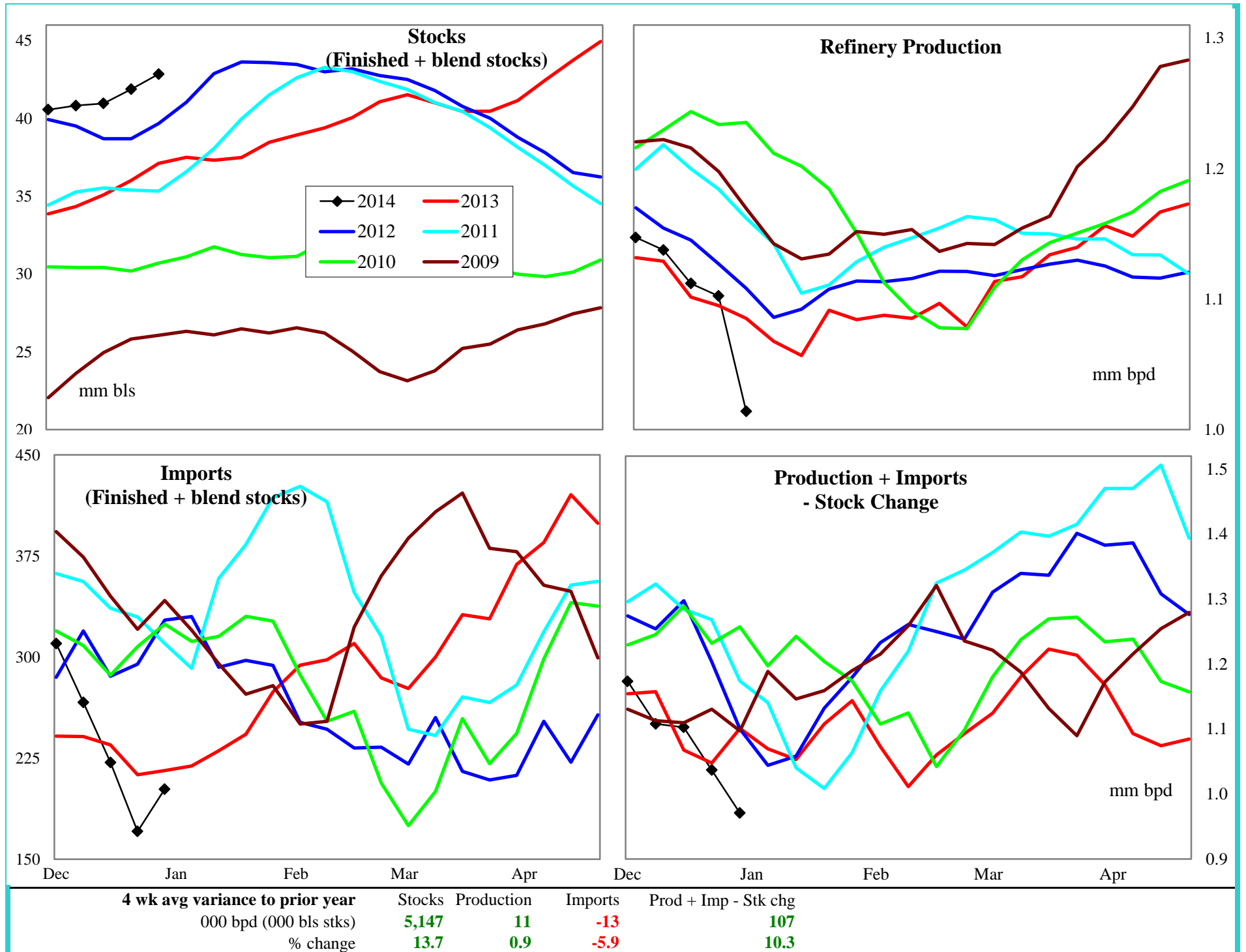
PADD 1 Gasoline Supply



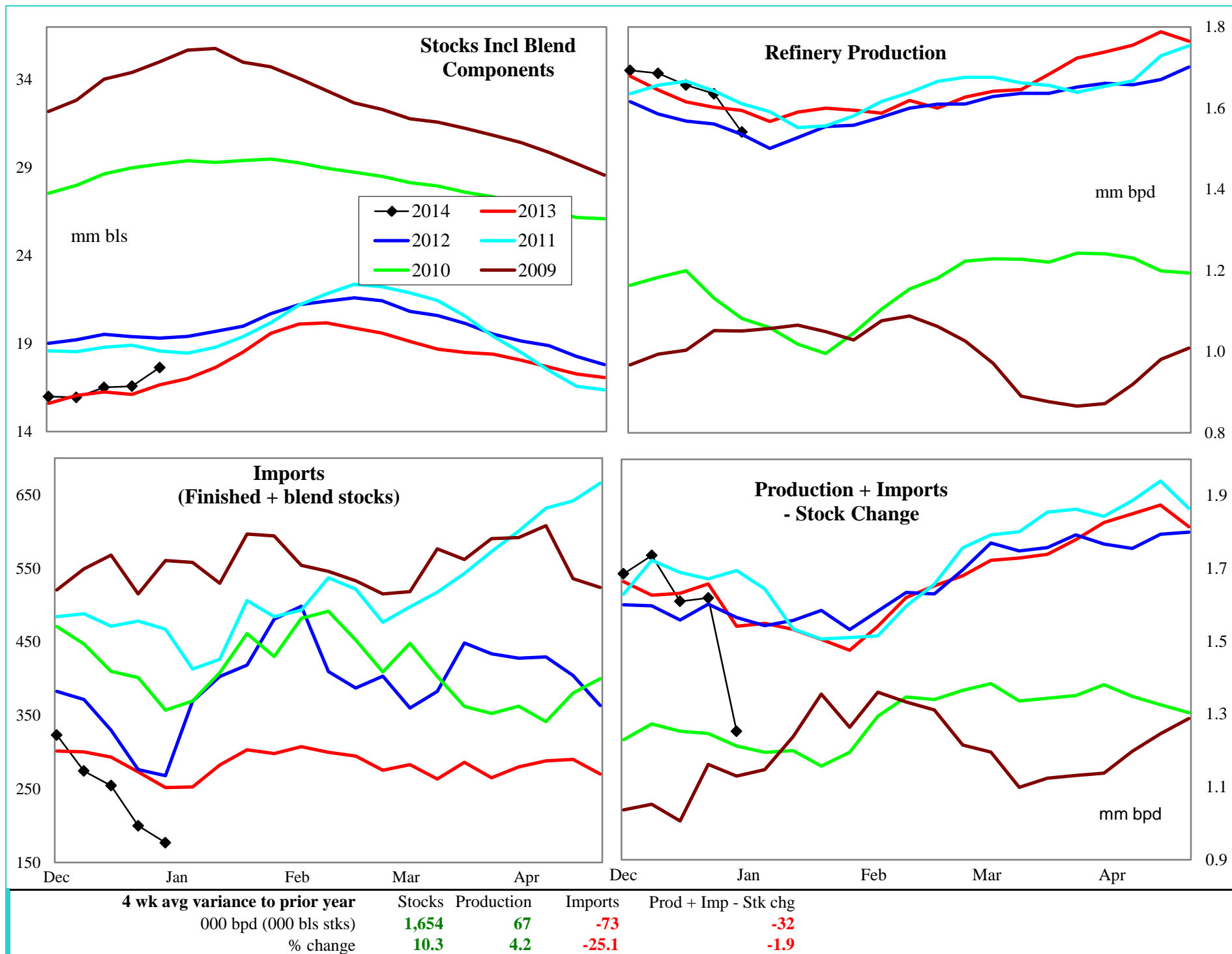
PADD 1 Gasoline Stocks by Region



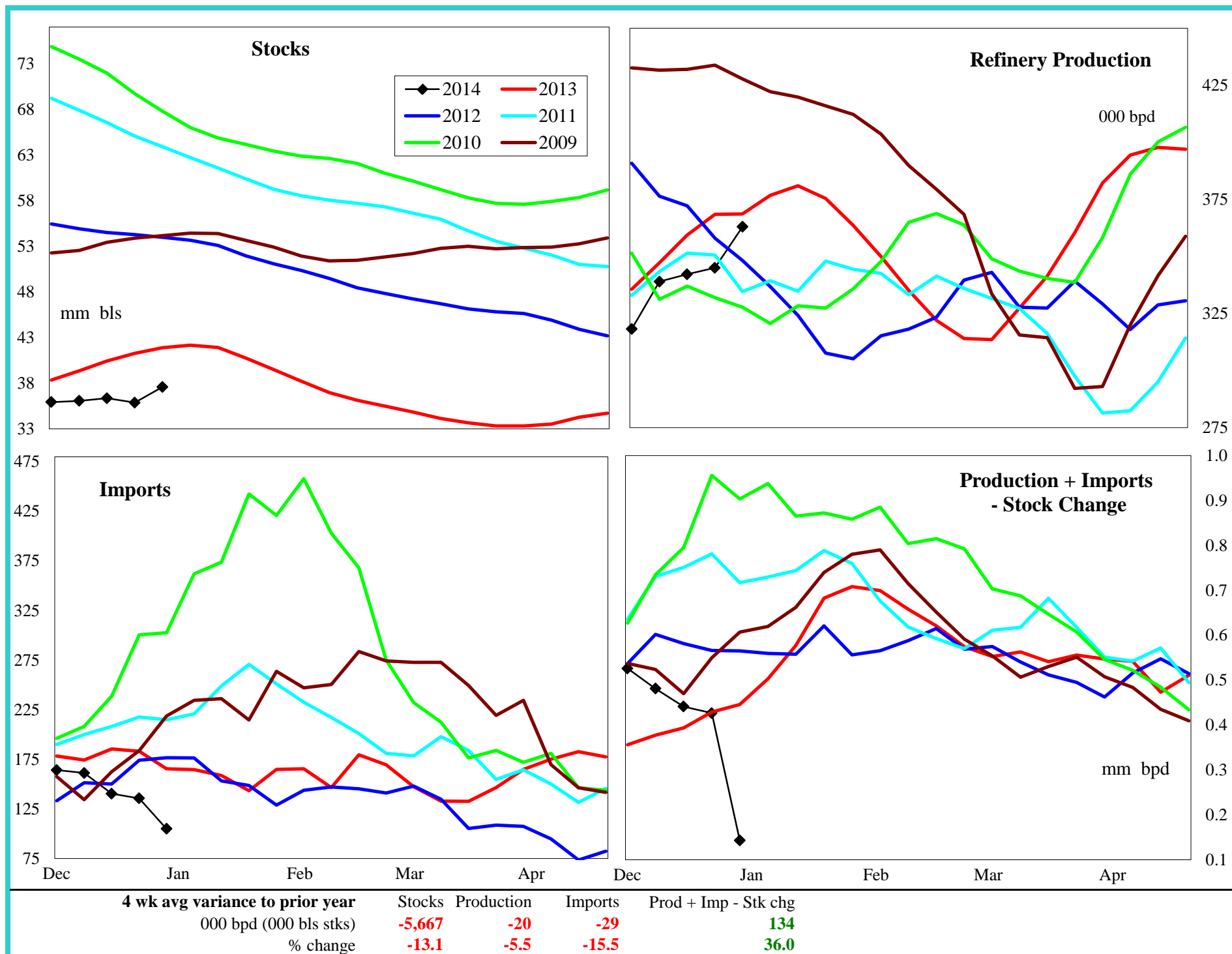
PADD 1 Reformulated Gasoline Supply



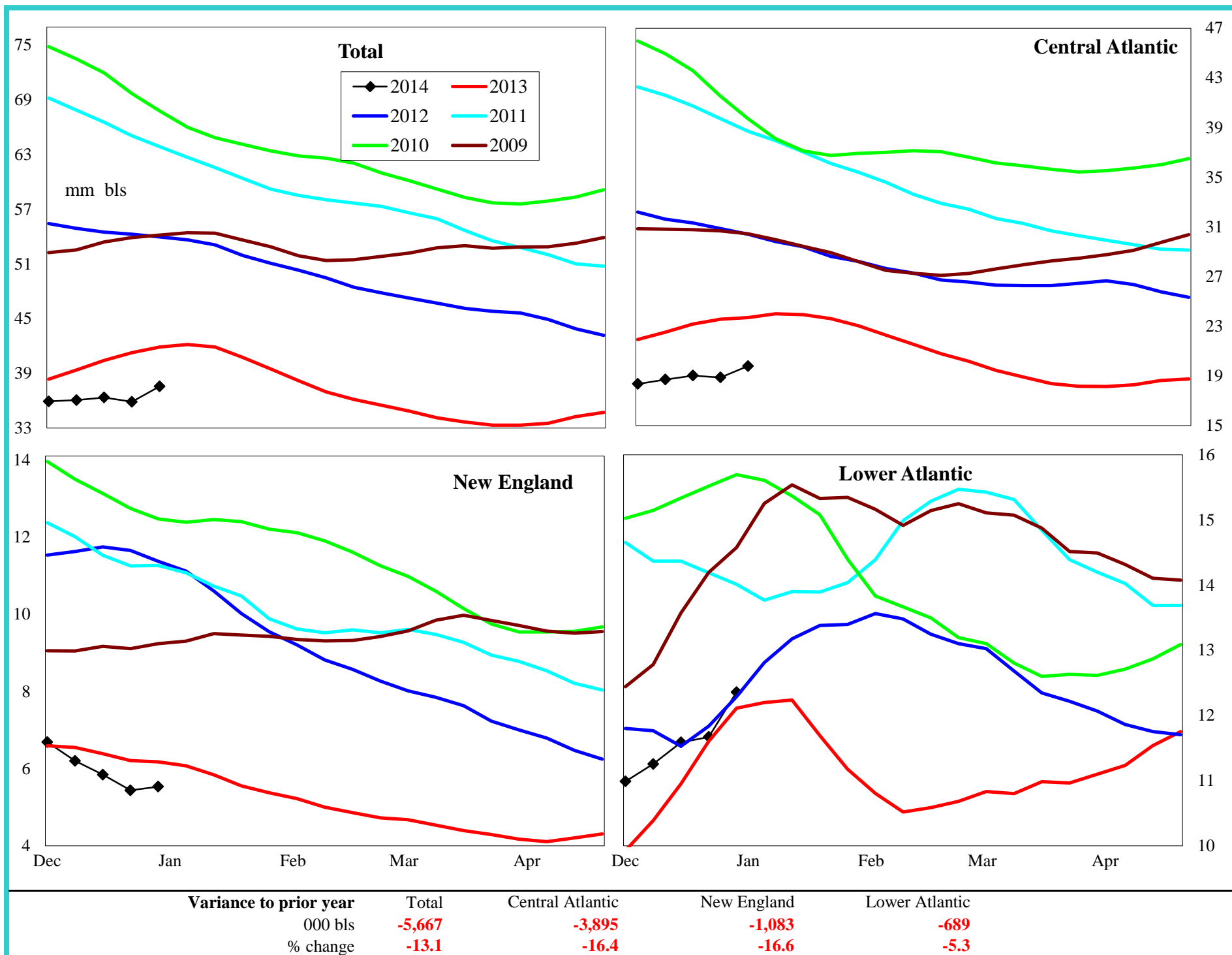
PADD 1 Conventional Gasoline Supply



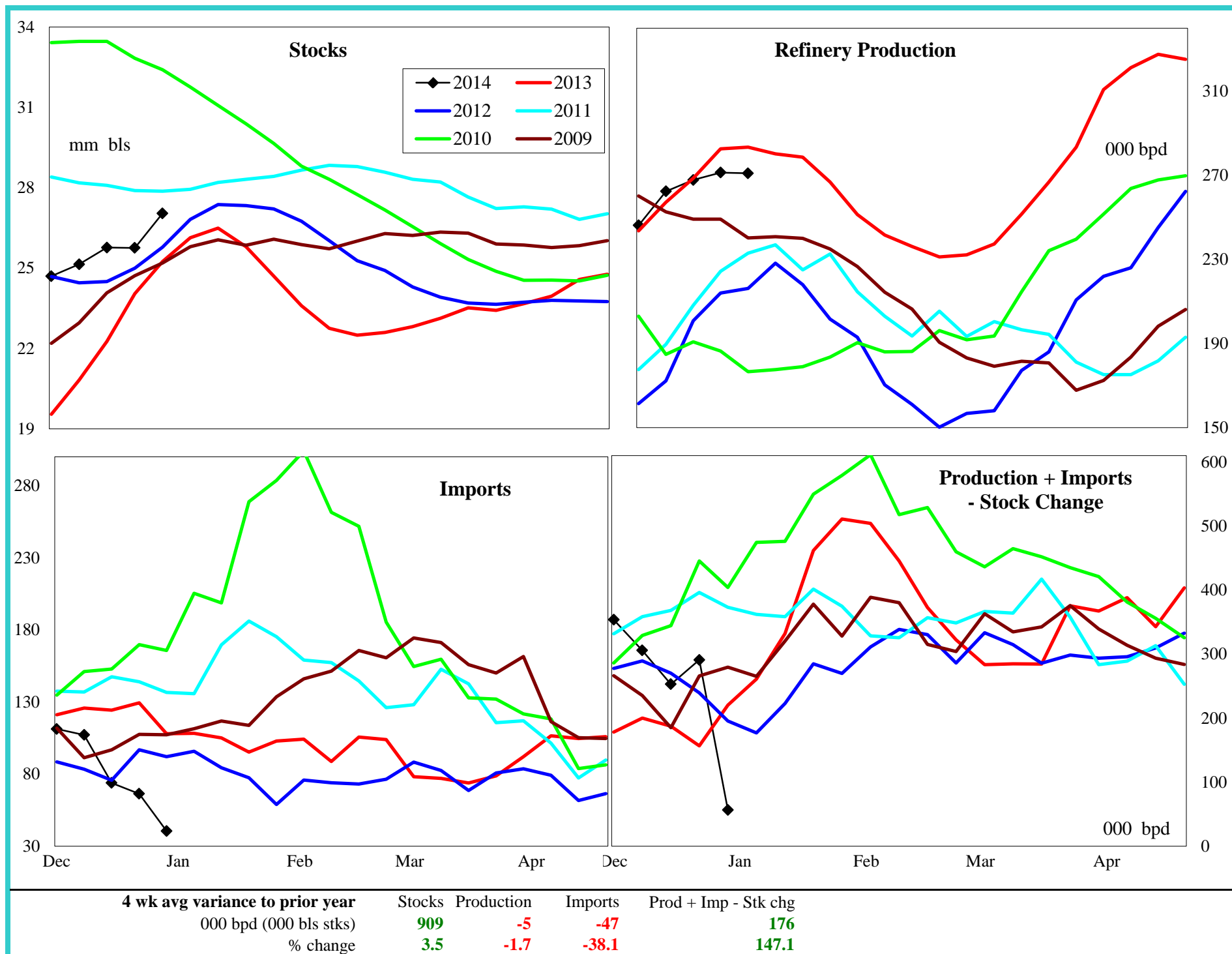
PADD 1 Distillate Supply



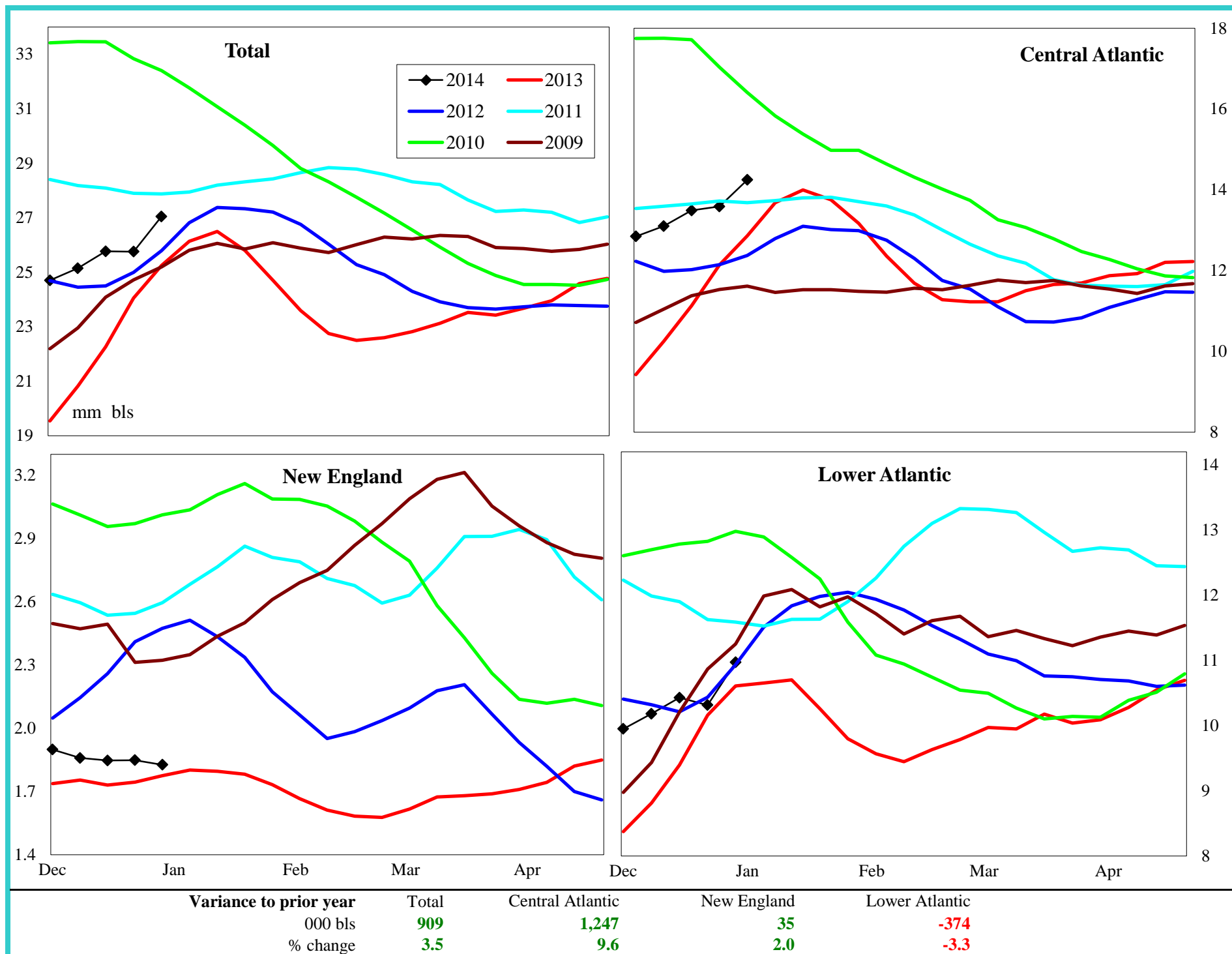
PADD 1 Distillate Stocks by Region



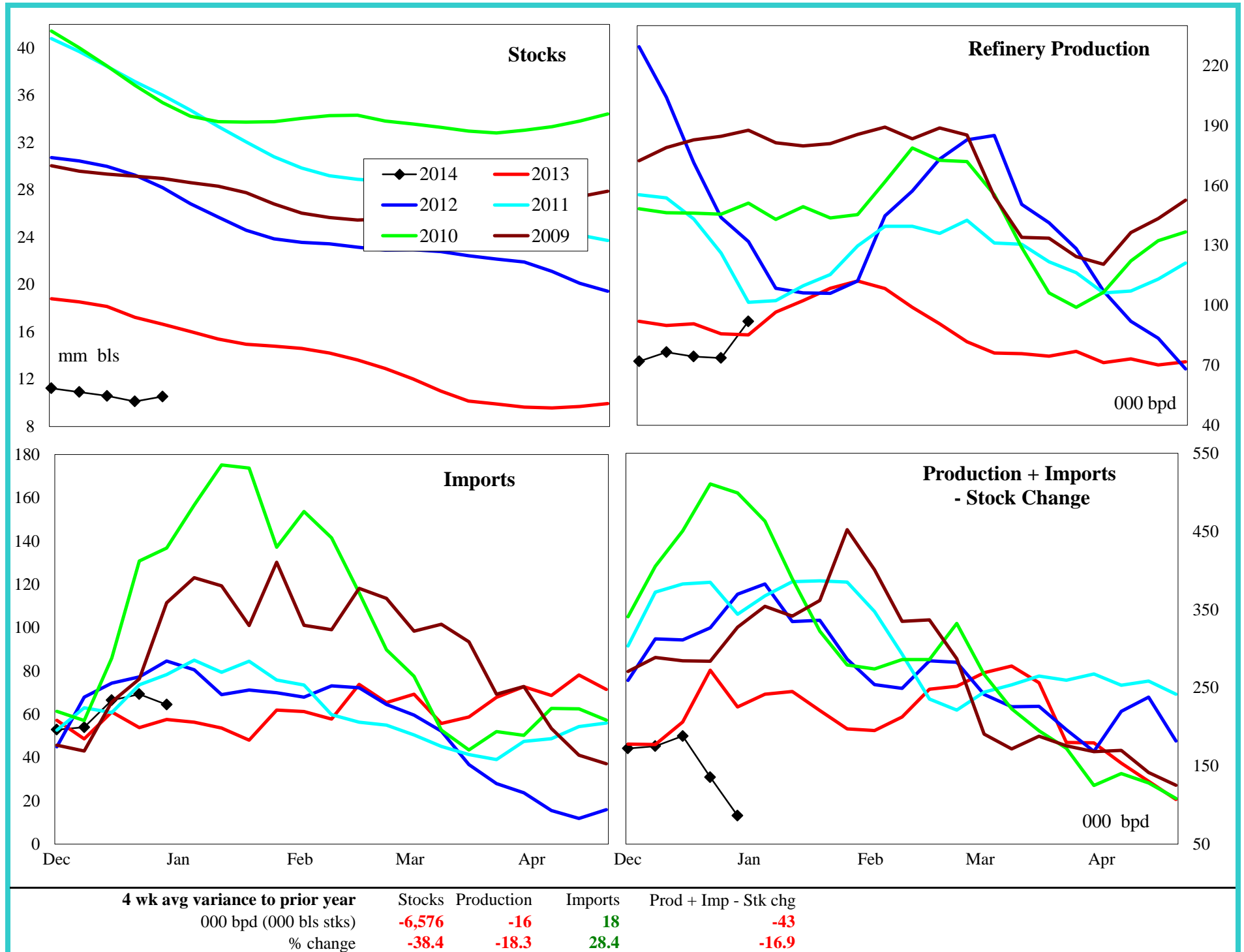
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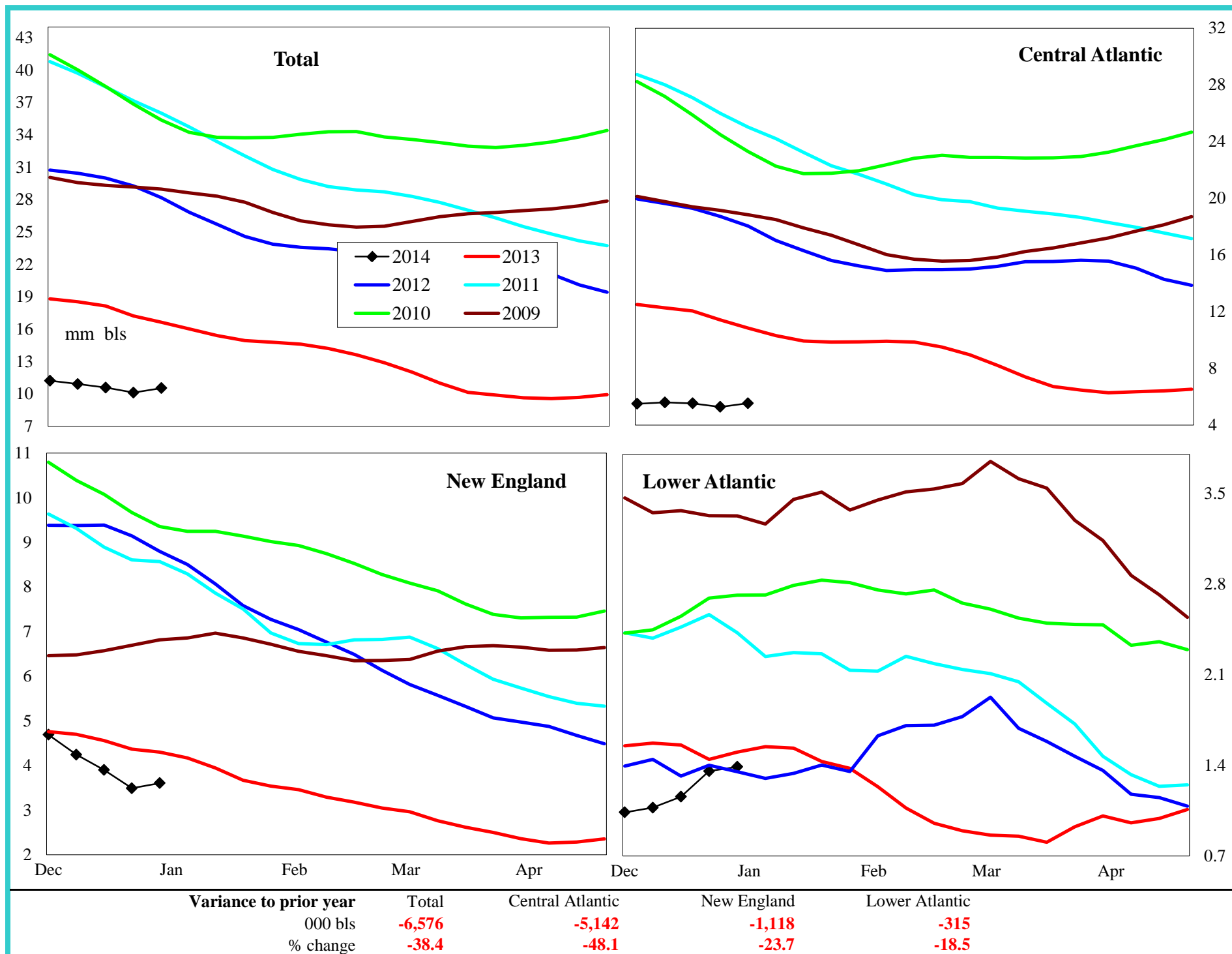
PADD 1 Low Sulfur Distillate Stocks by Region



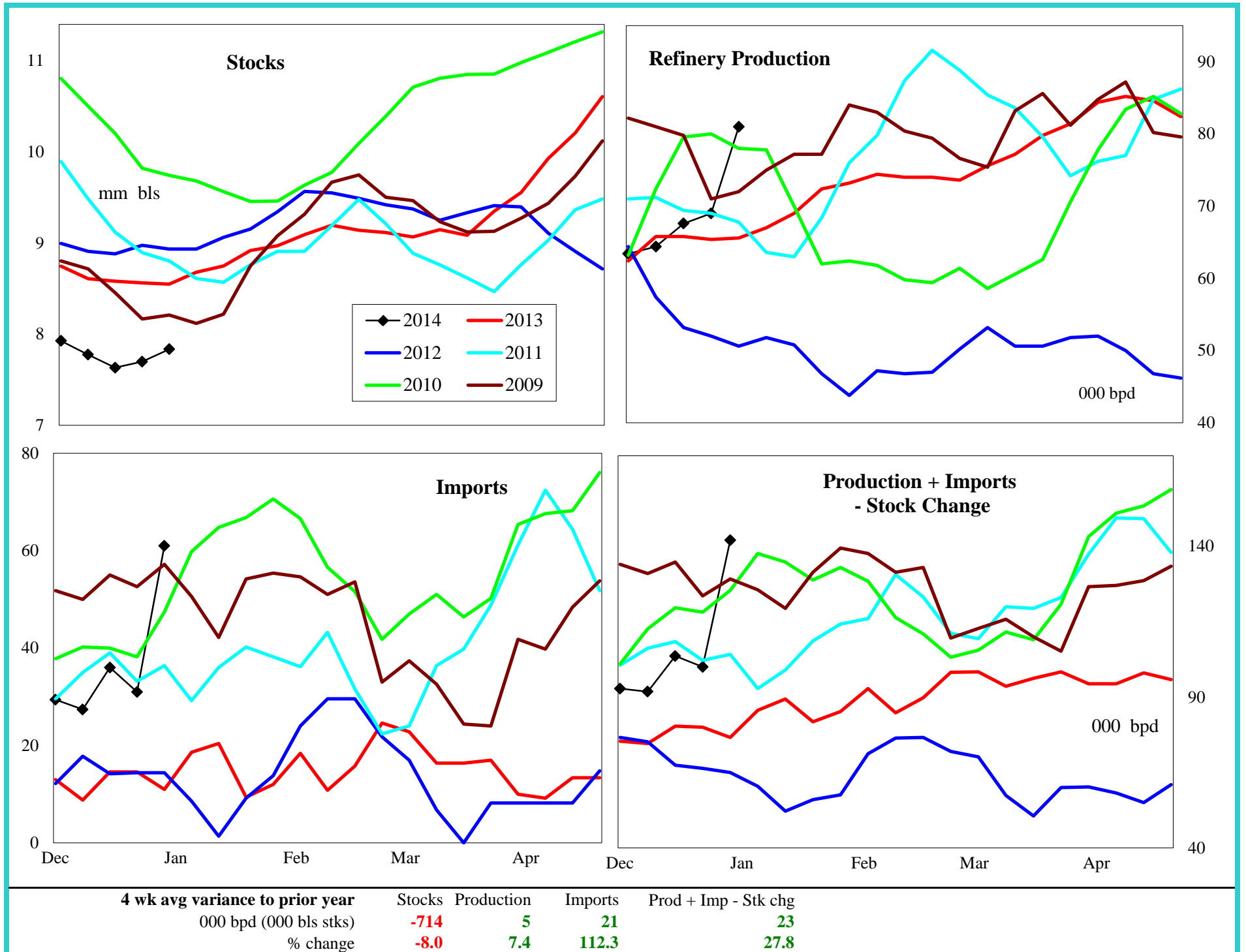
PADD 1 High Sulfur Distillate Supply



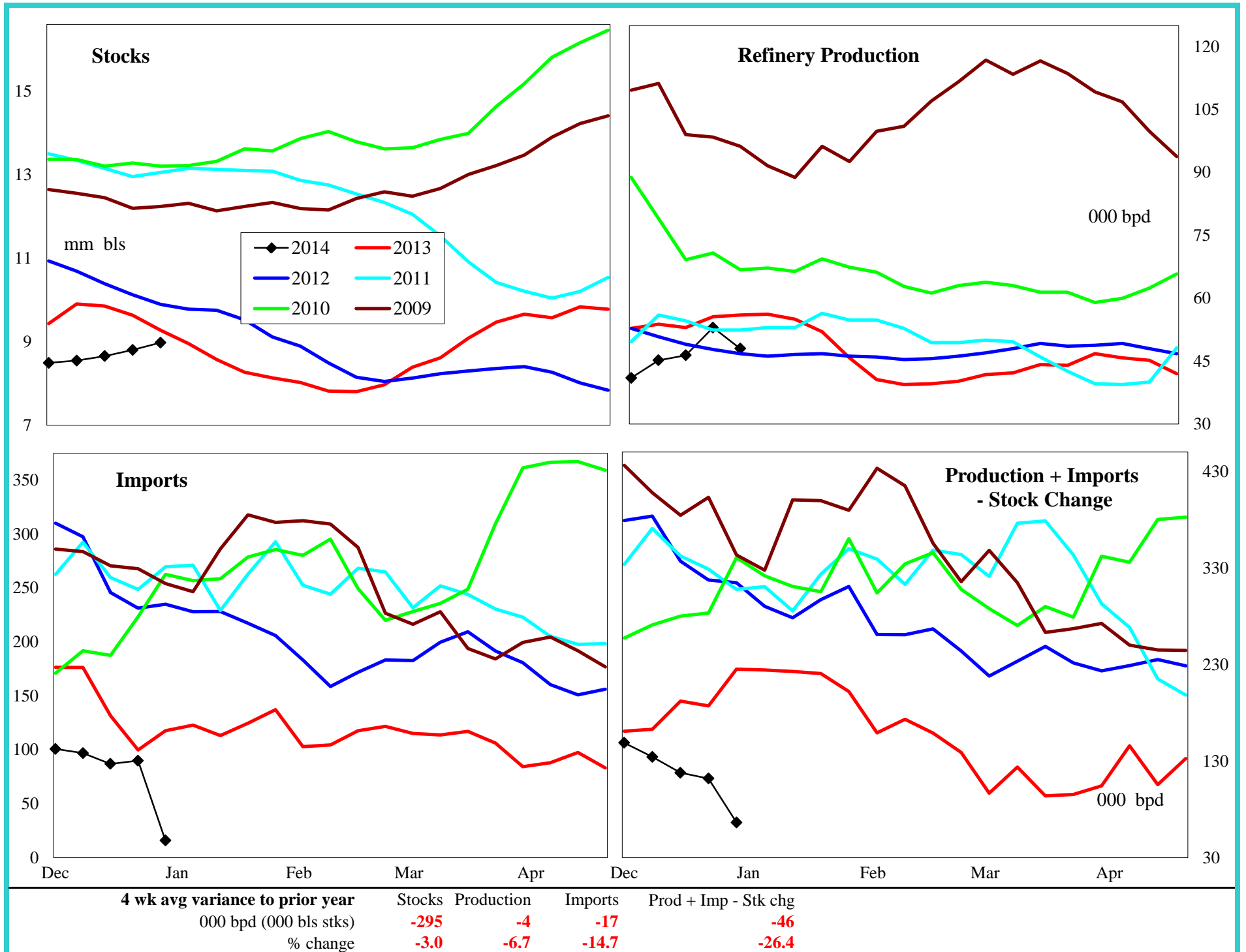
PADD 1 High Sulfur Distillate Stocks by Region



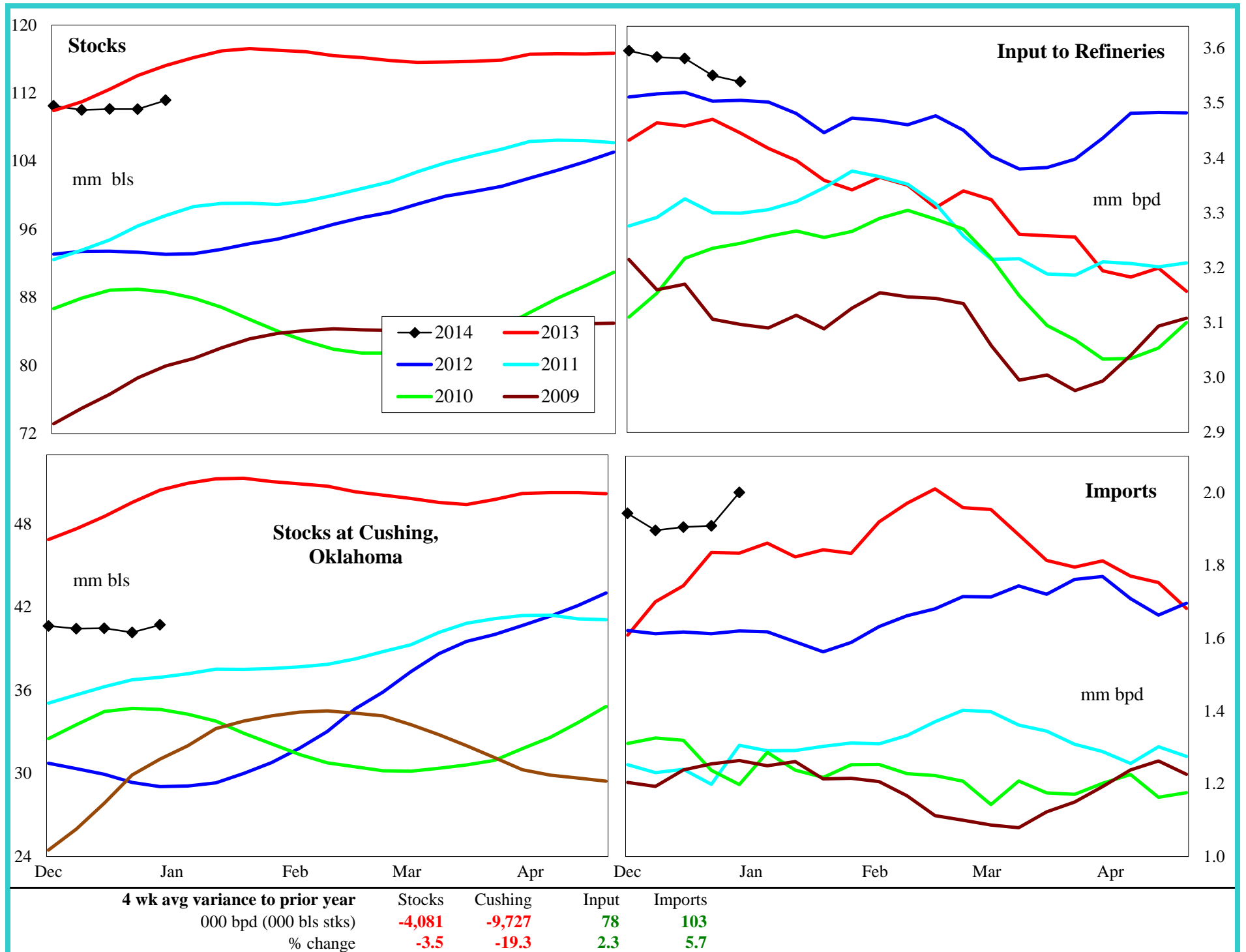
PADD 1 Jet Fuel Supply



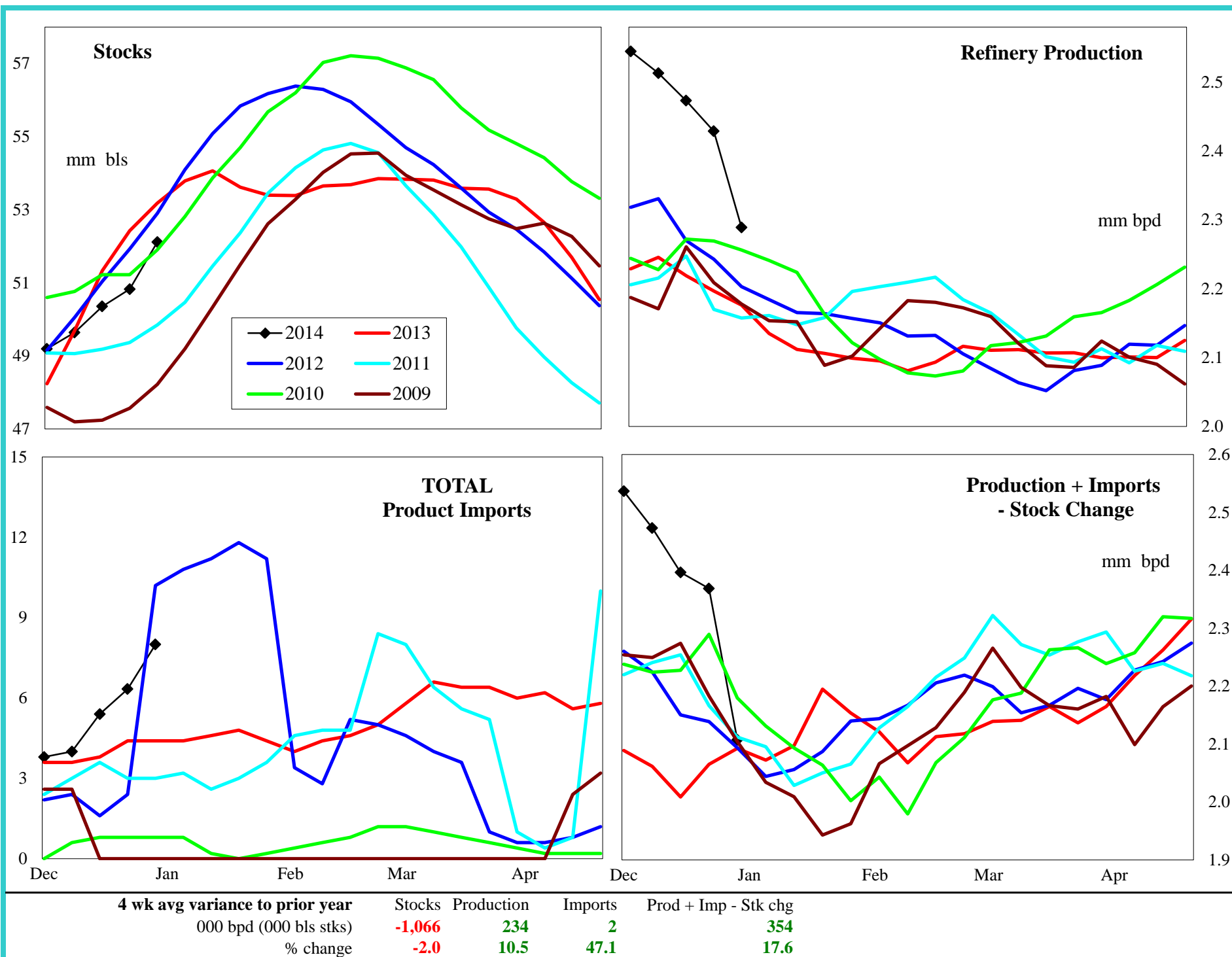
PADD 1 Residual Fuel Oil Supply



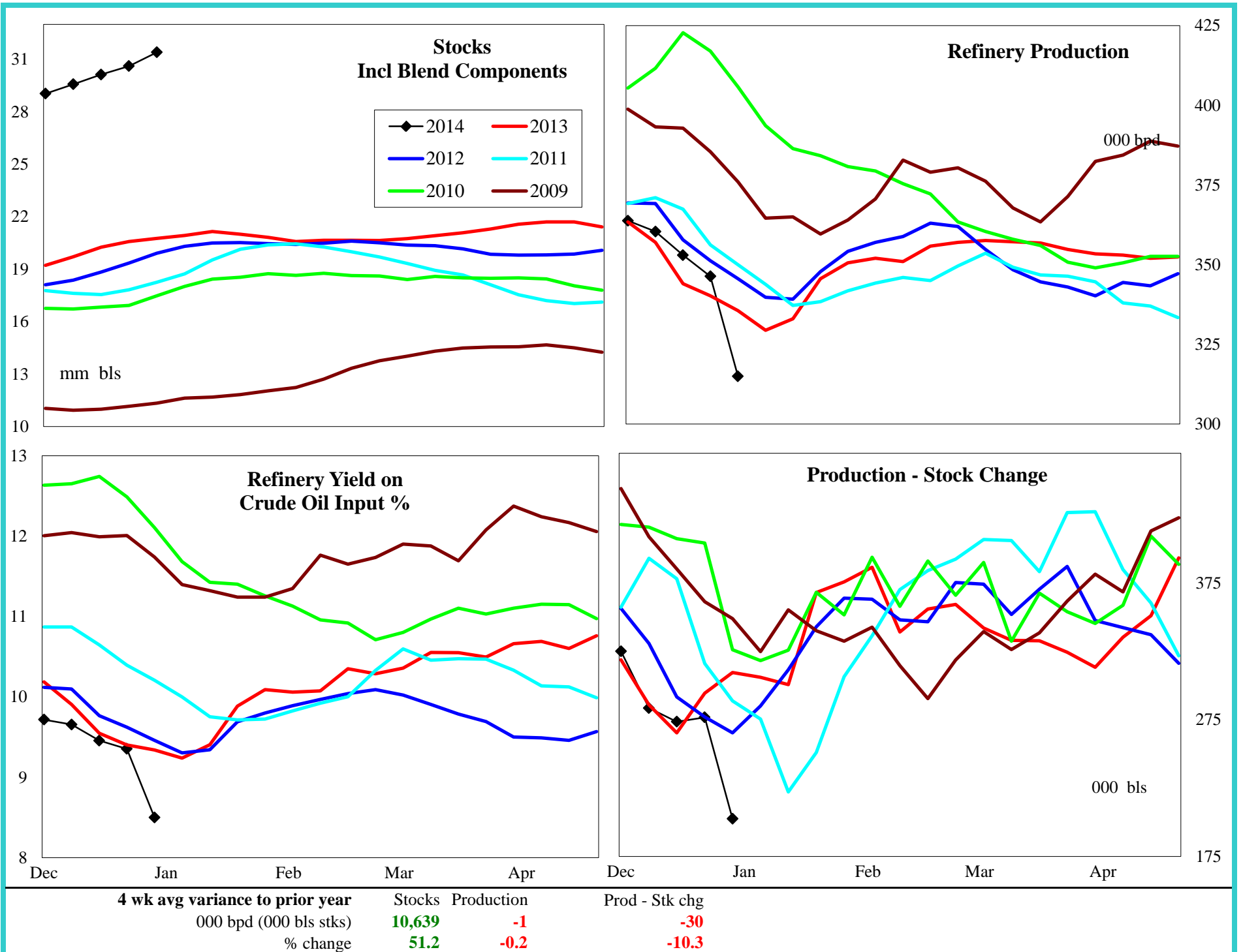
PADD 2 Crude Oil Supply and Refining



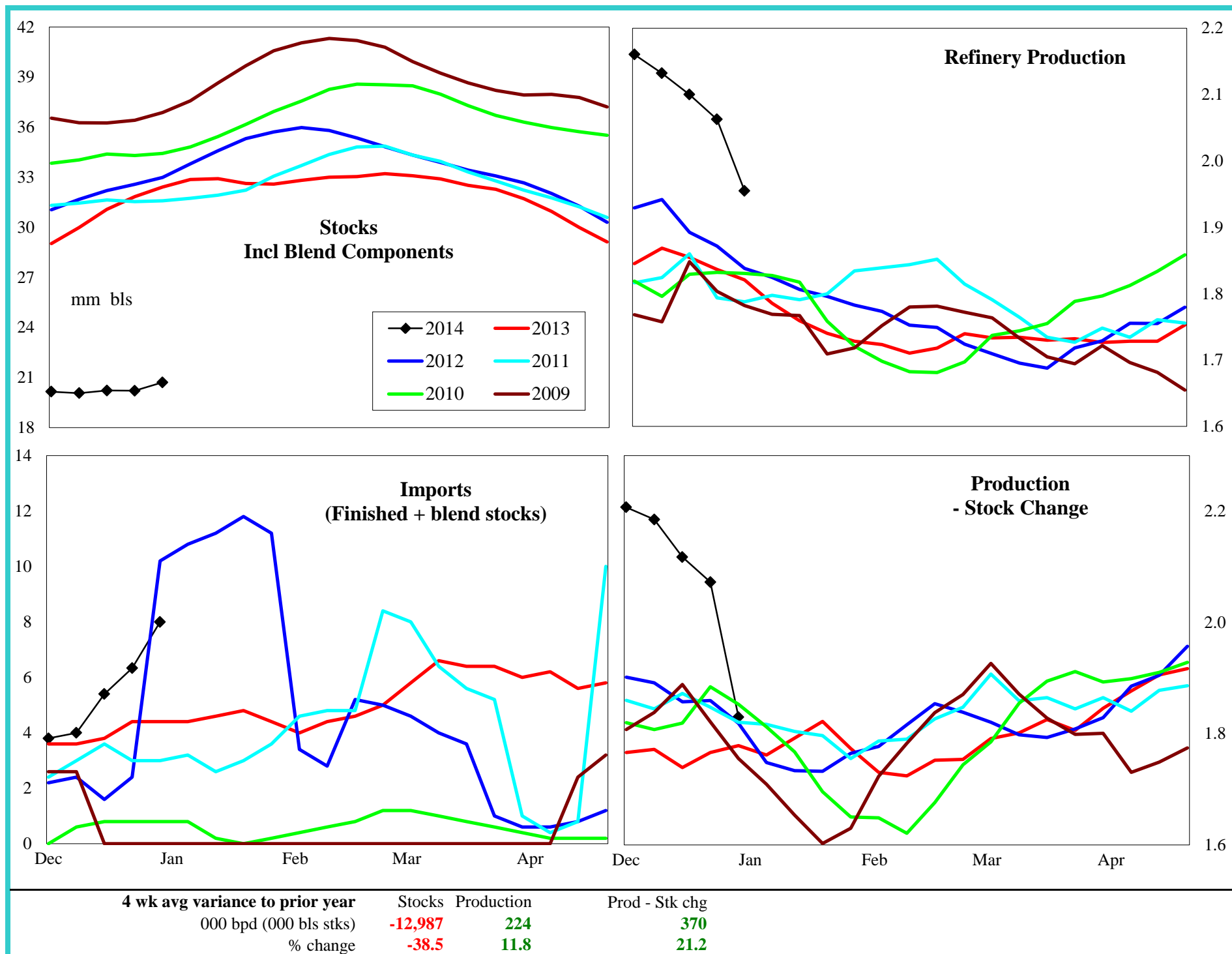
PADD 2 Gasoline Supply



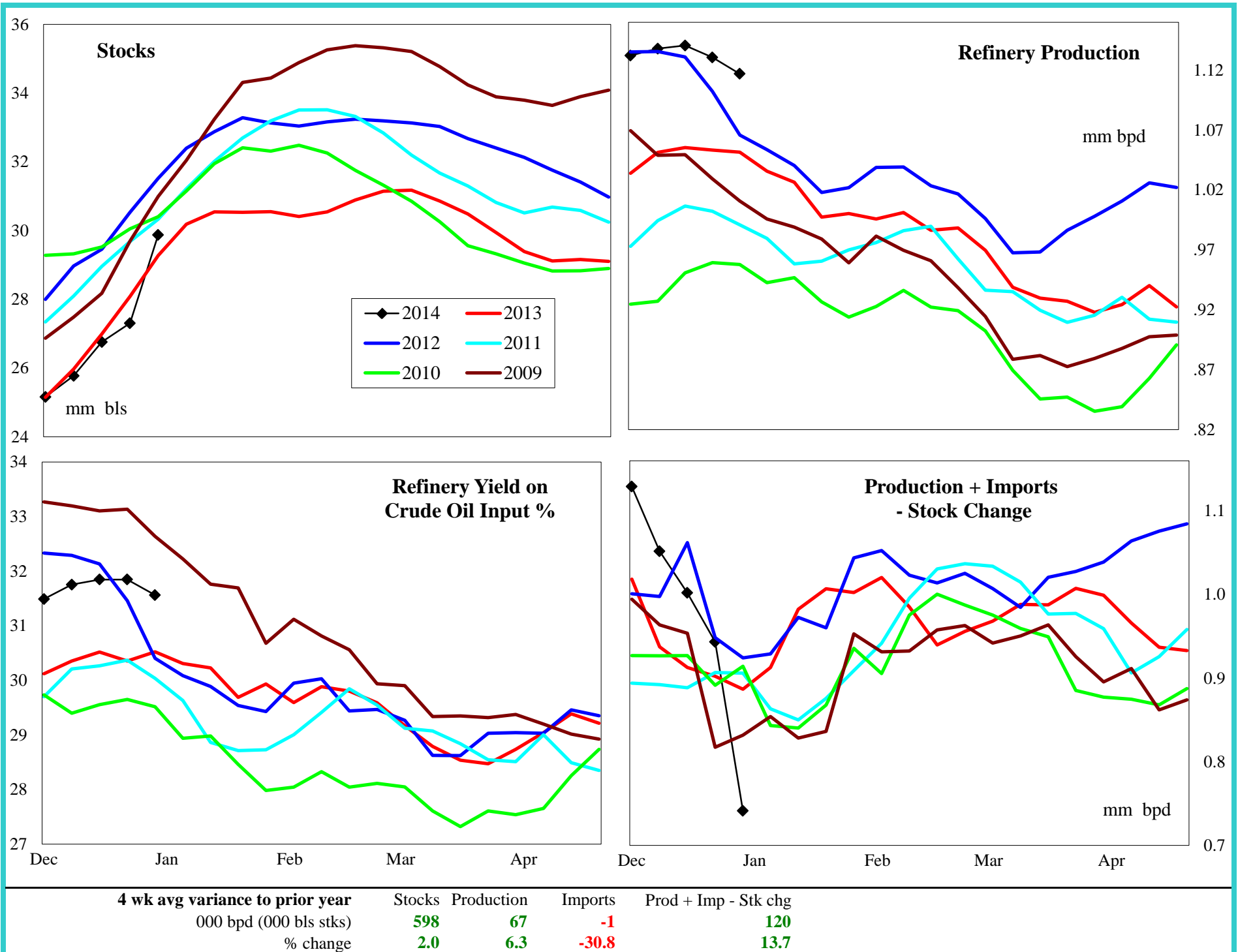
PADD 2 Reformulated Gasoline Supply



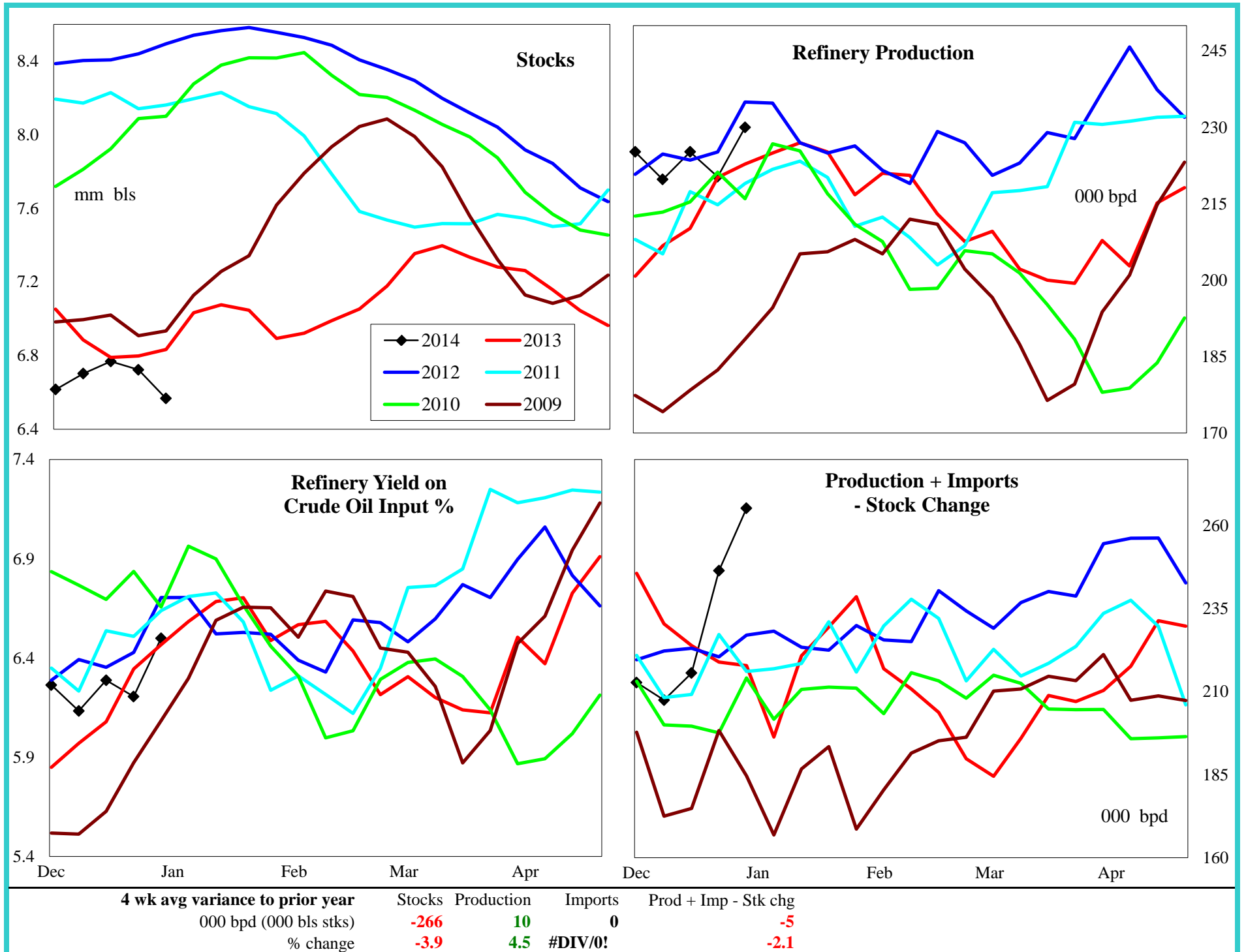
PADD 2 Conventional Gasoline Supply



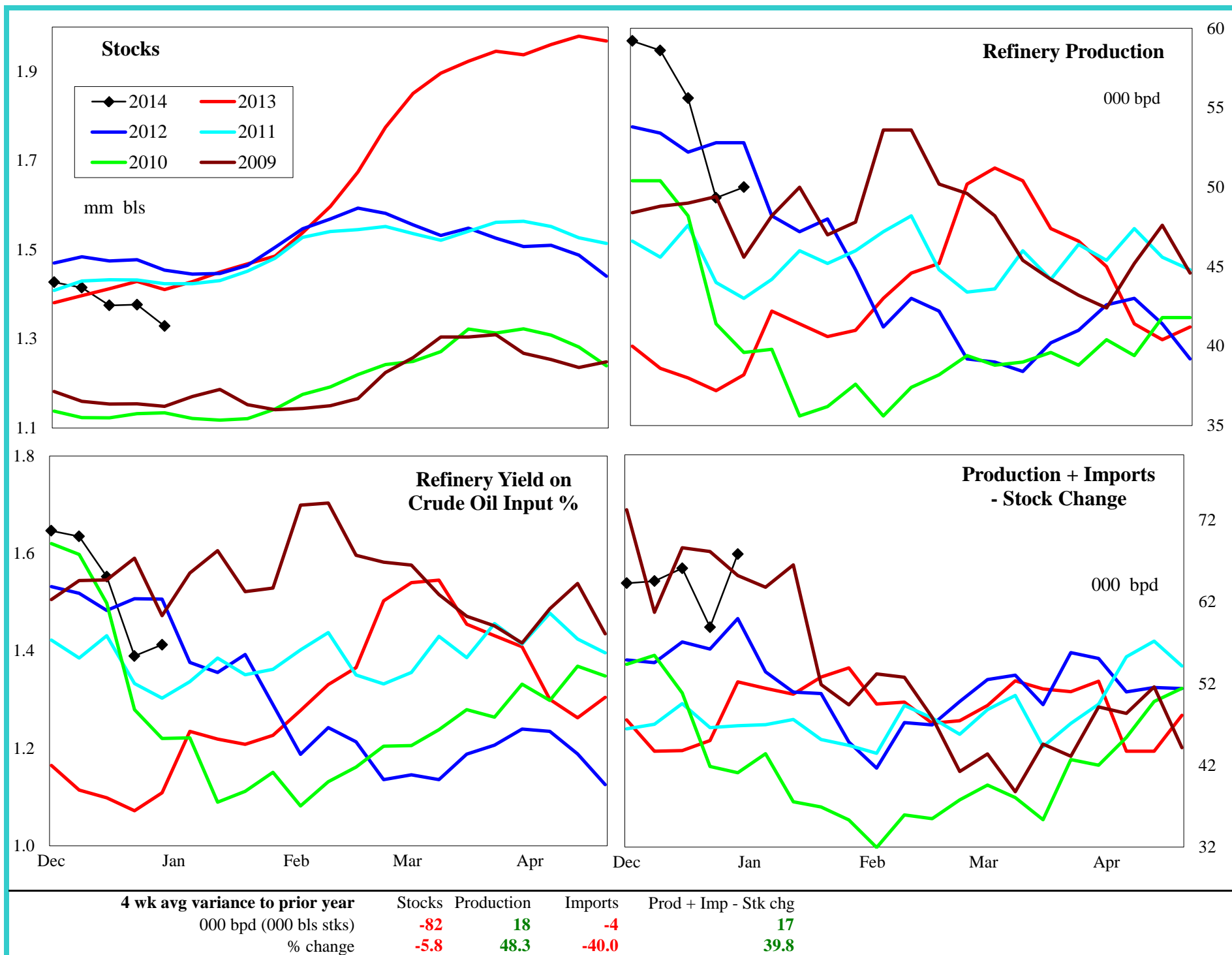
PADD 2 Distillate Supply



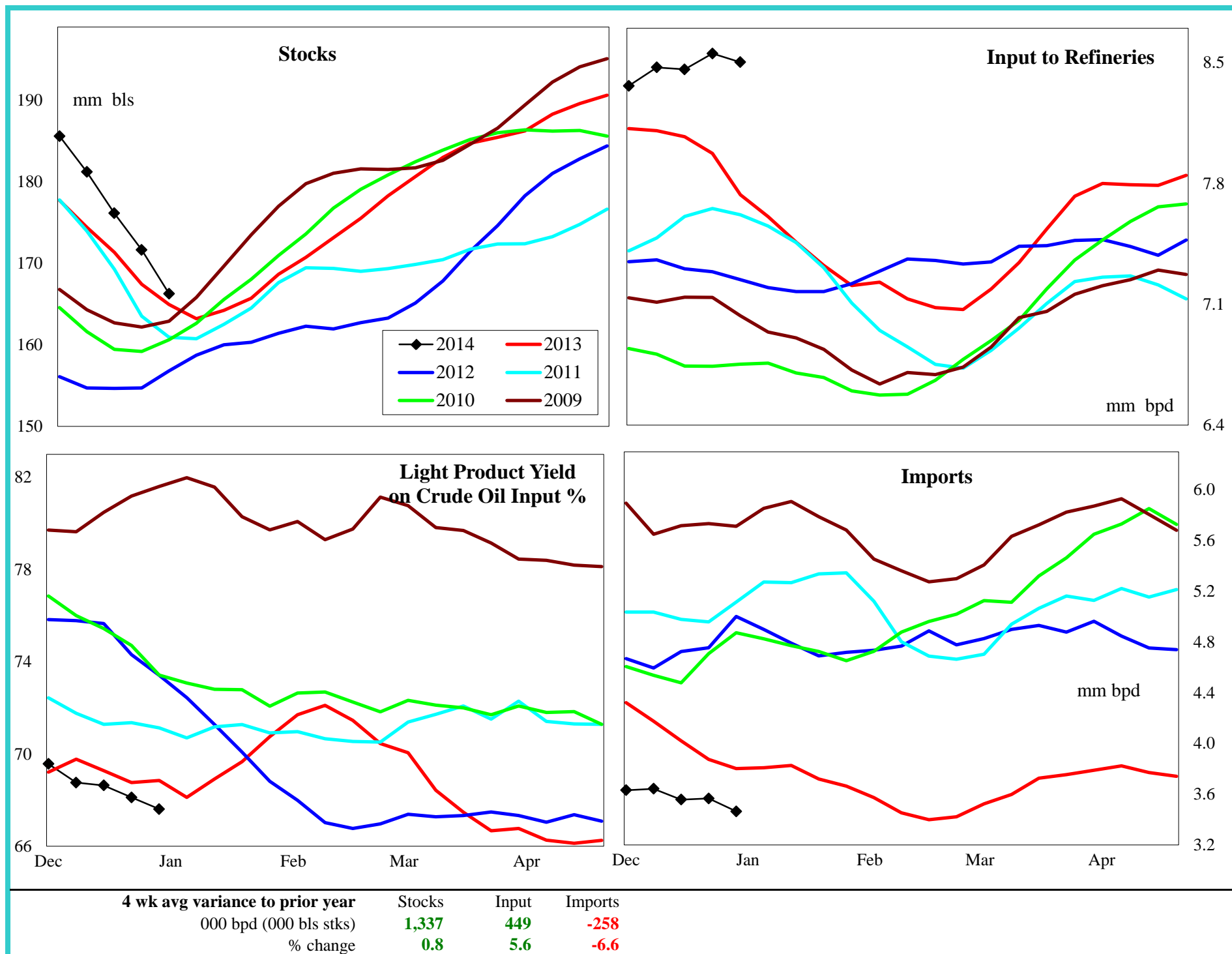
PADD 2 Jet Fuel Supply



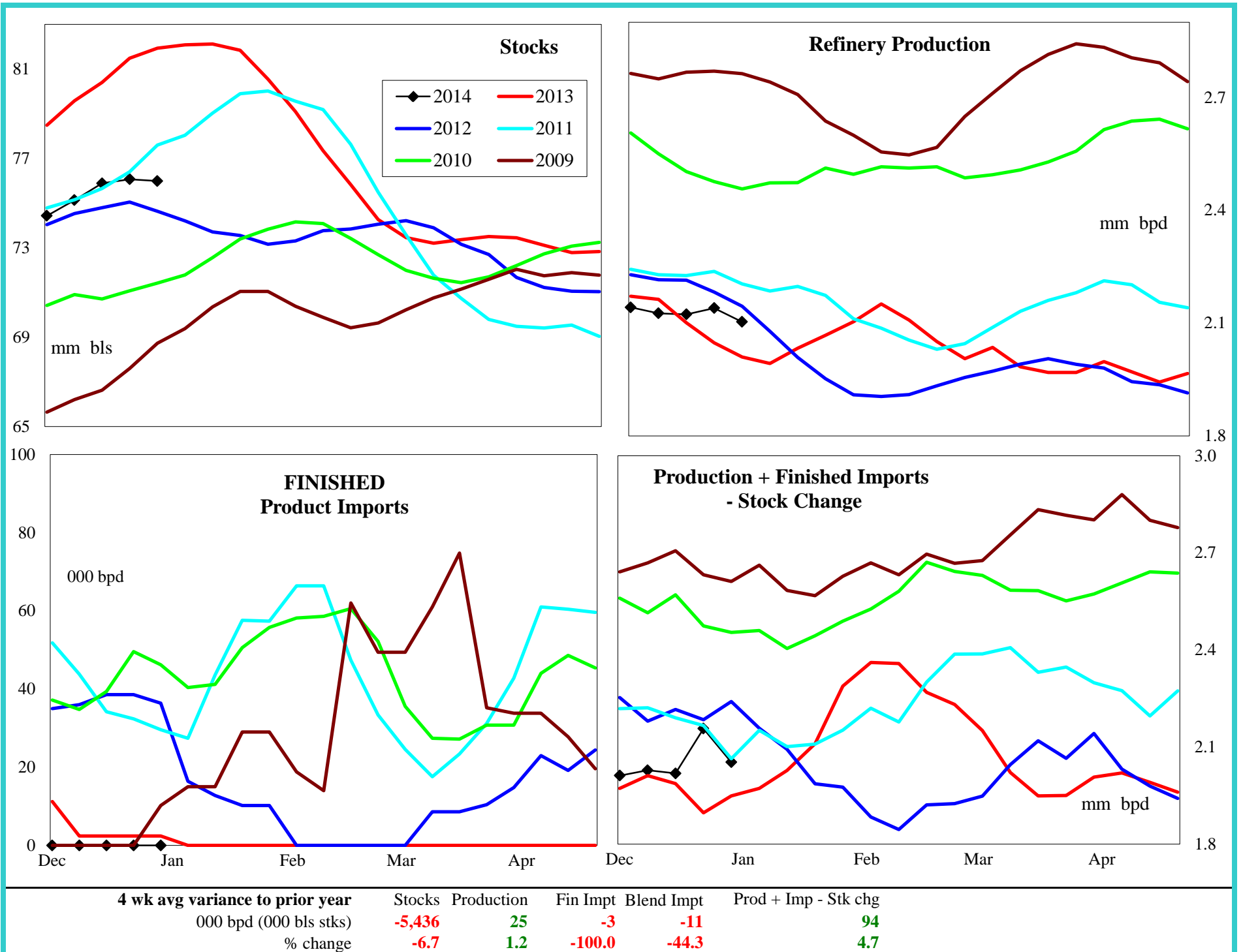
PADD 2 Residual Fuel Oil Supply



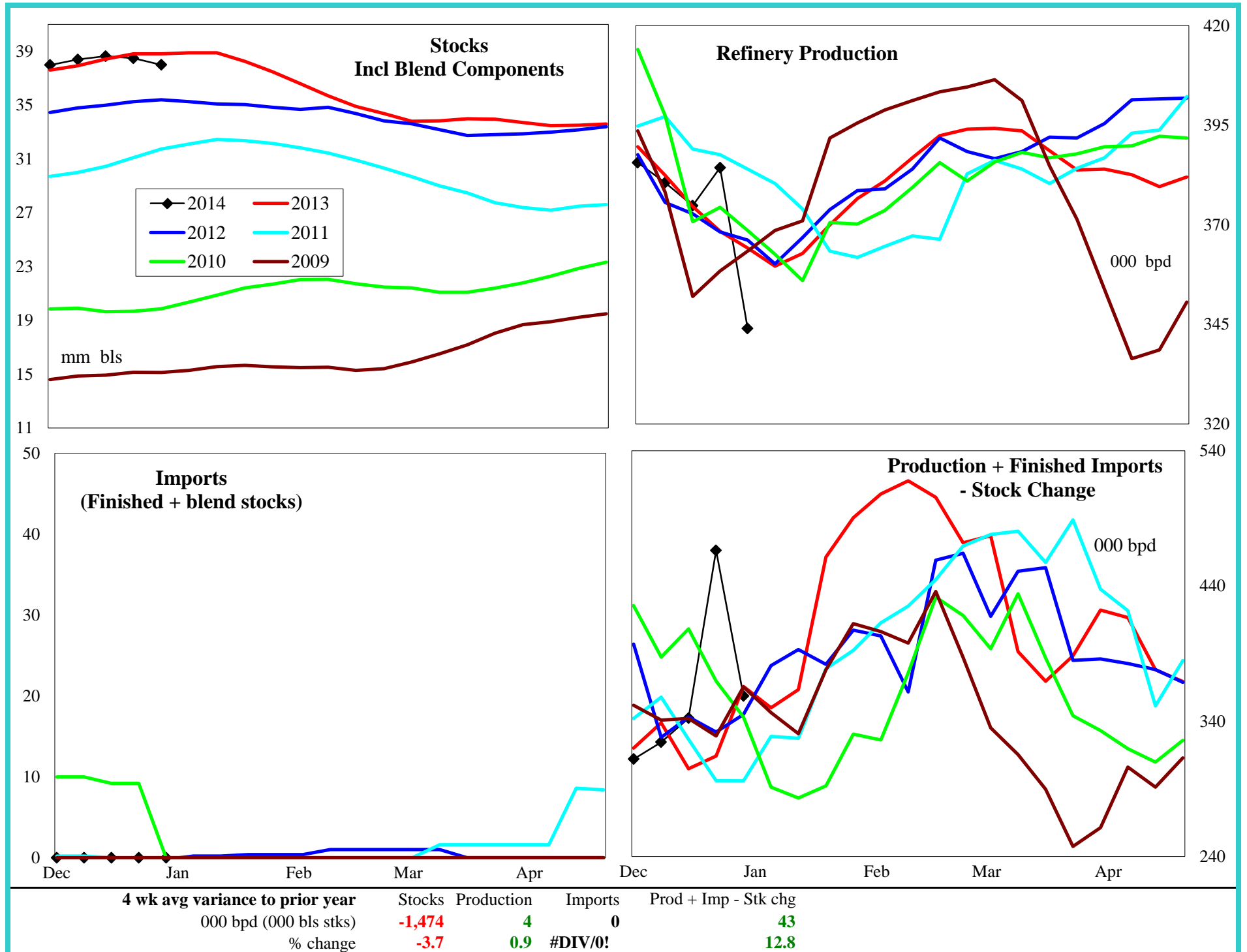
PADD 3 Crude Oil Supply and Refining



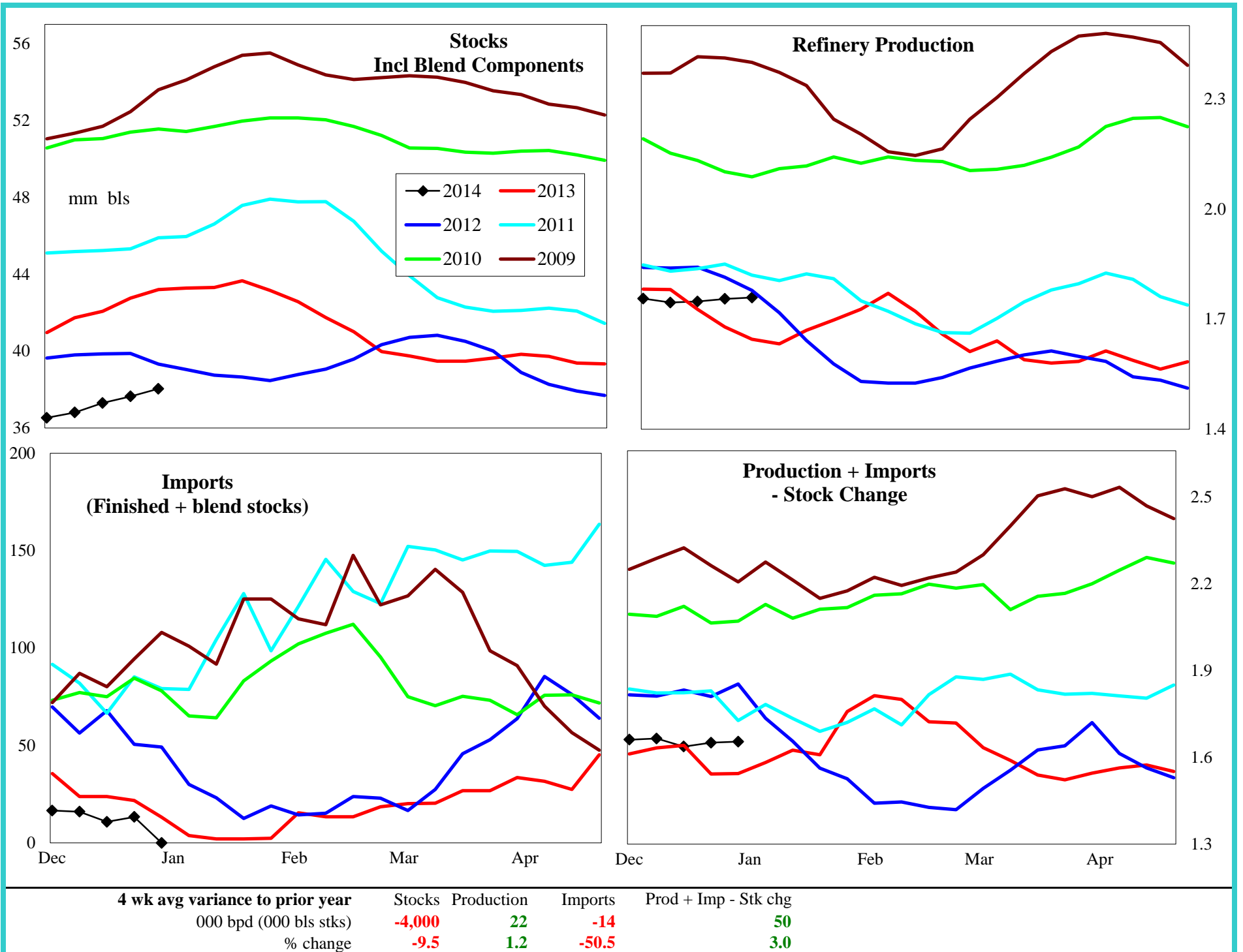
PADD 3 Gasoline Supply



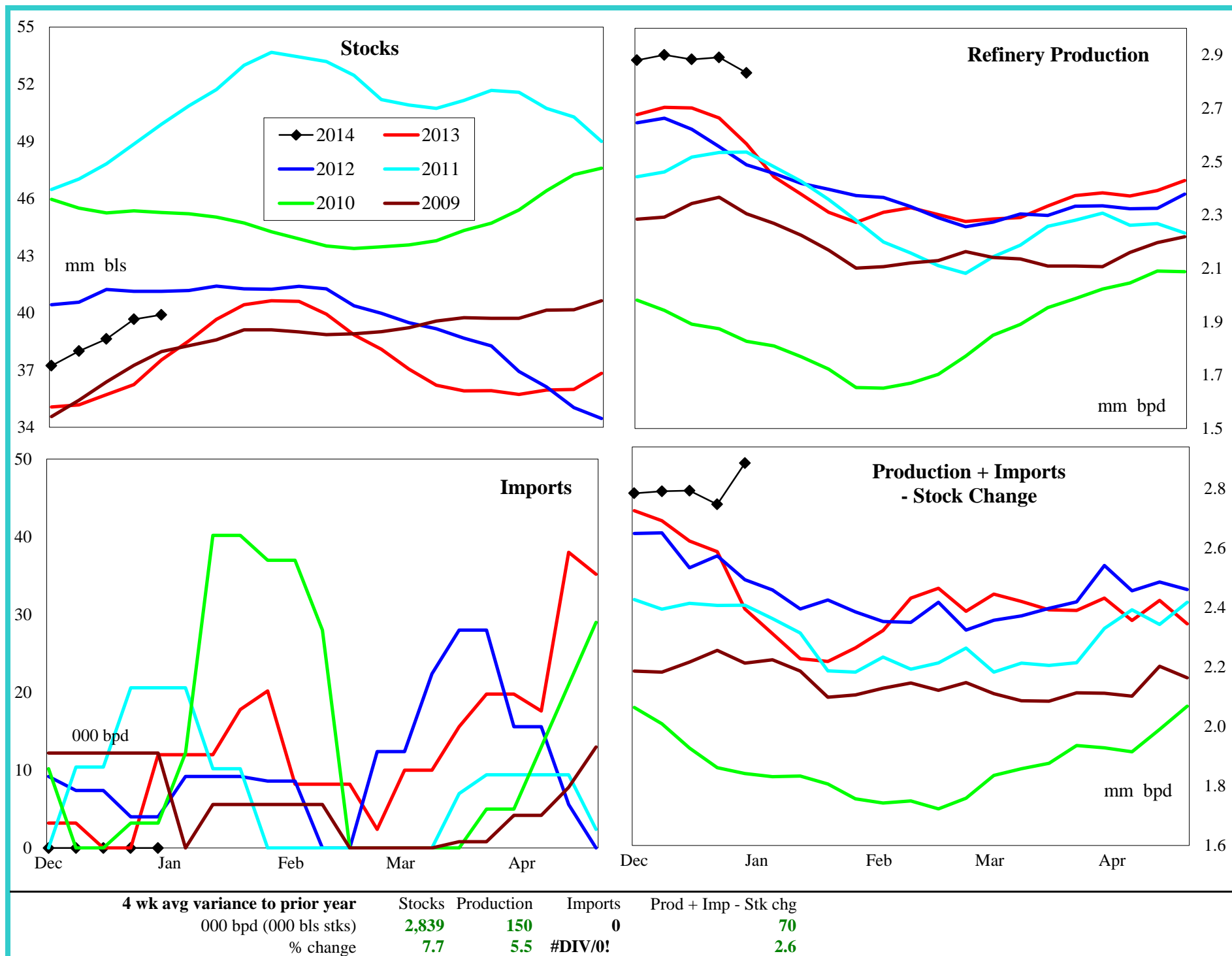
PADD 3 Reformulated Gasoline Supply



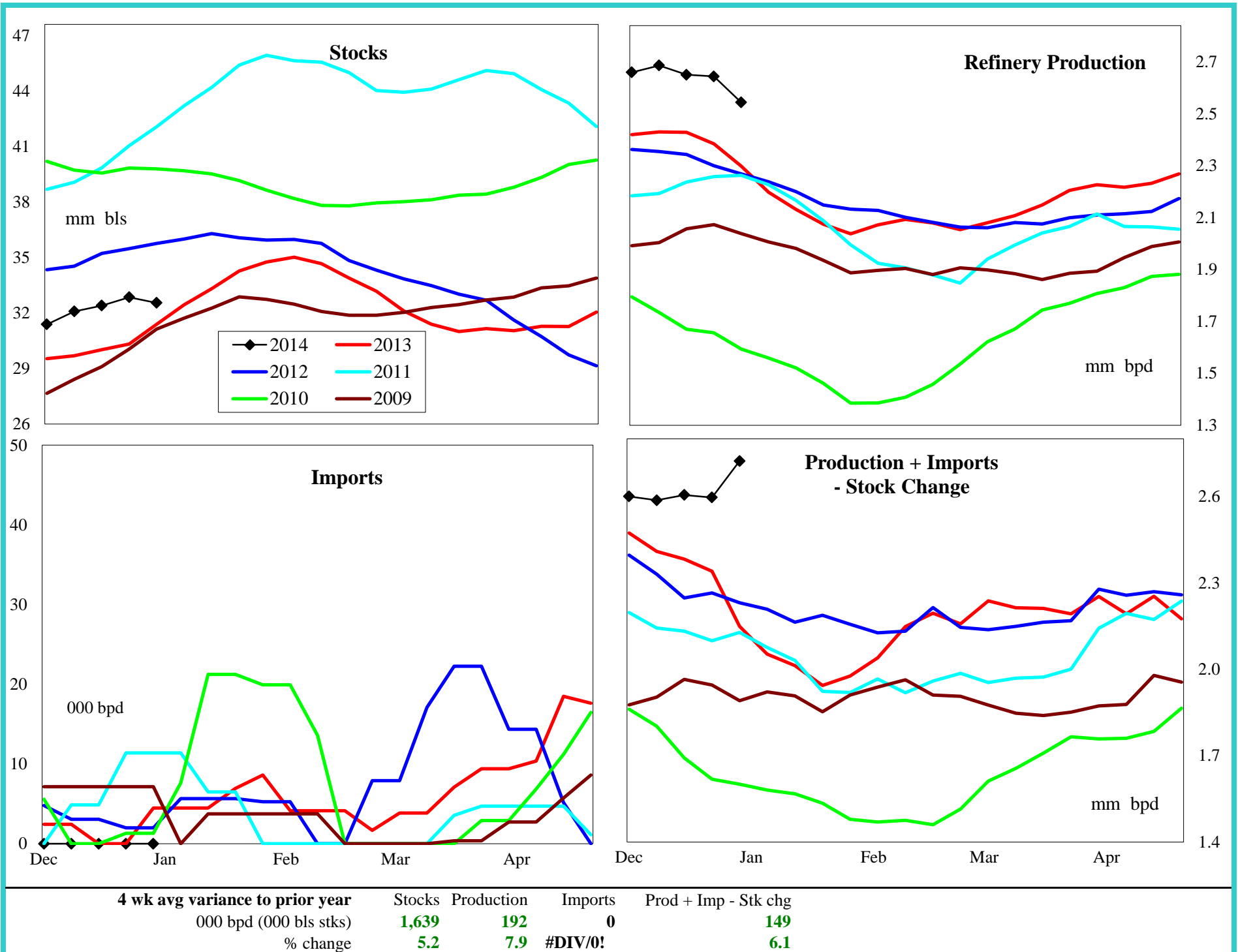
PADD 3 Conventional Gasoline Supply



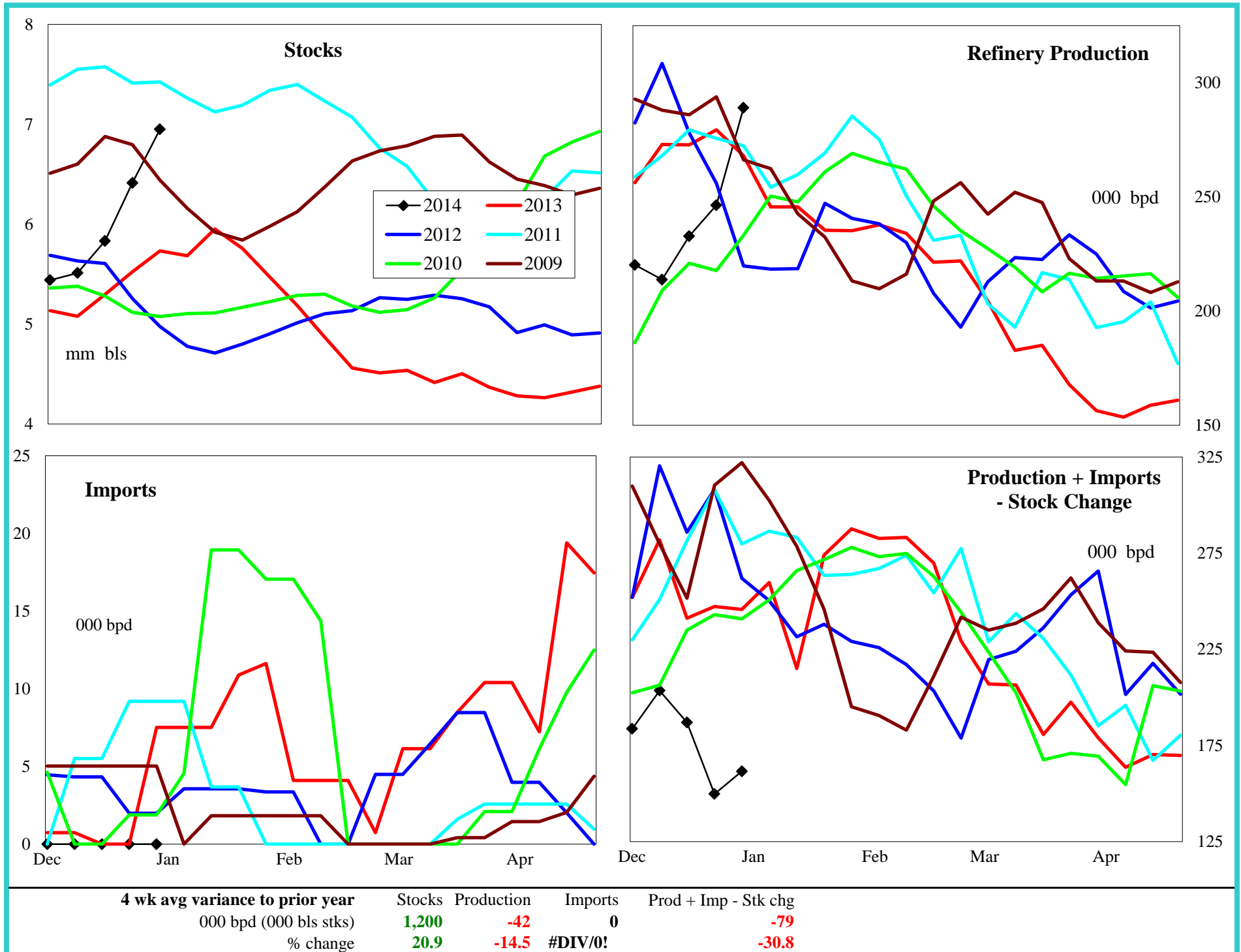
PADD 3 Distillate Supply



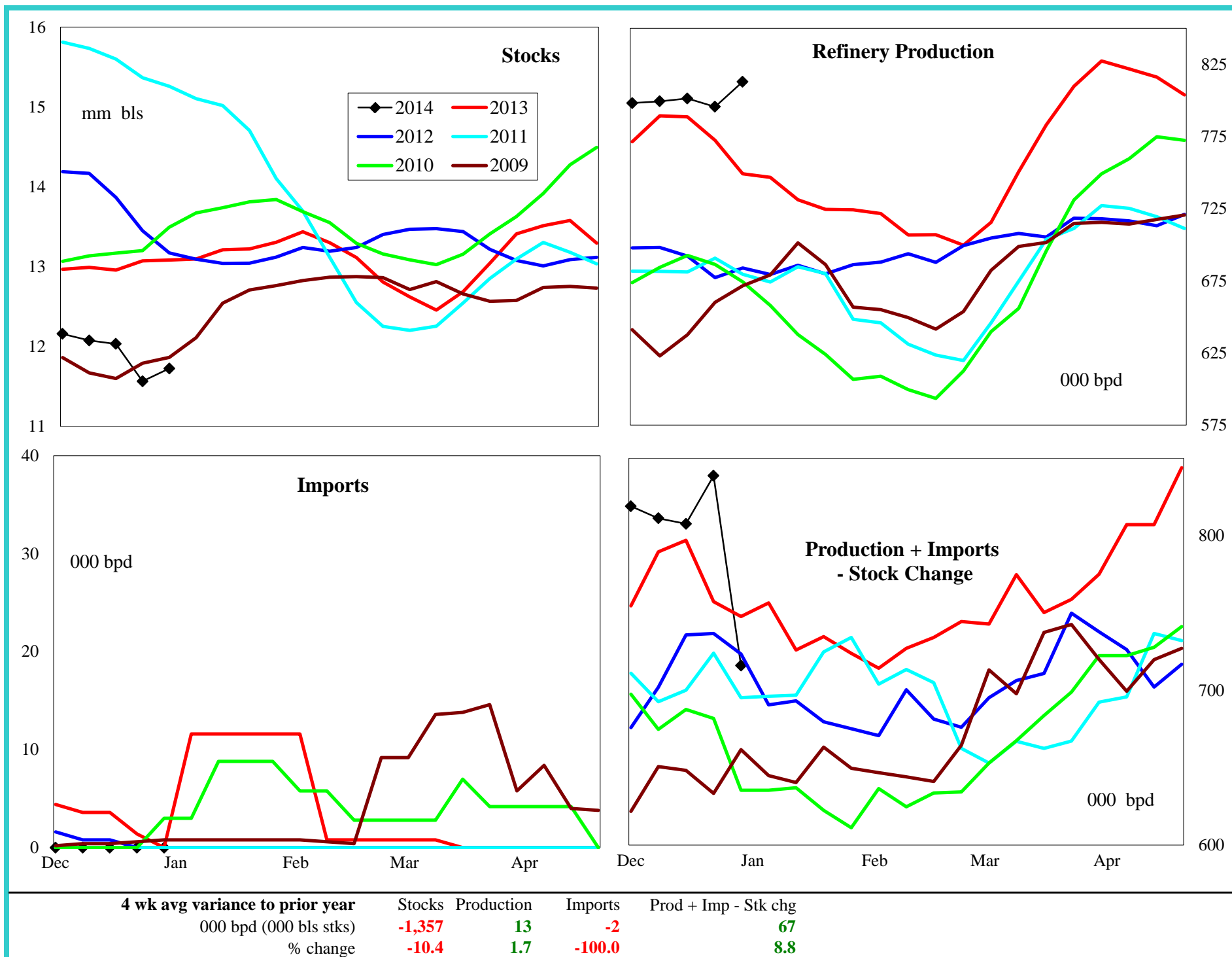
PADD 3 Low Sulfur Distillate Supply



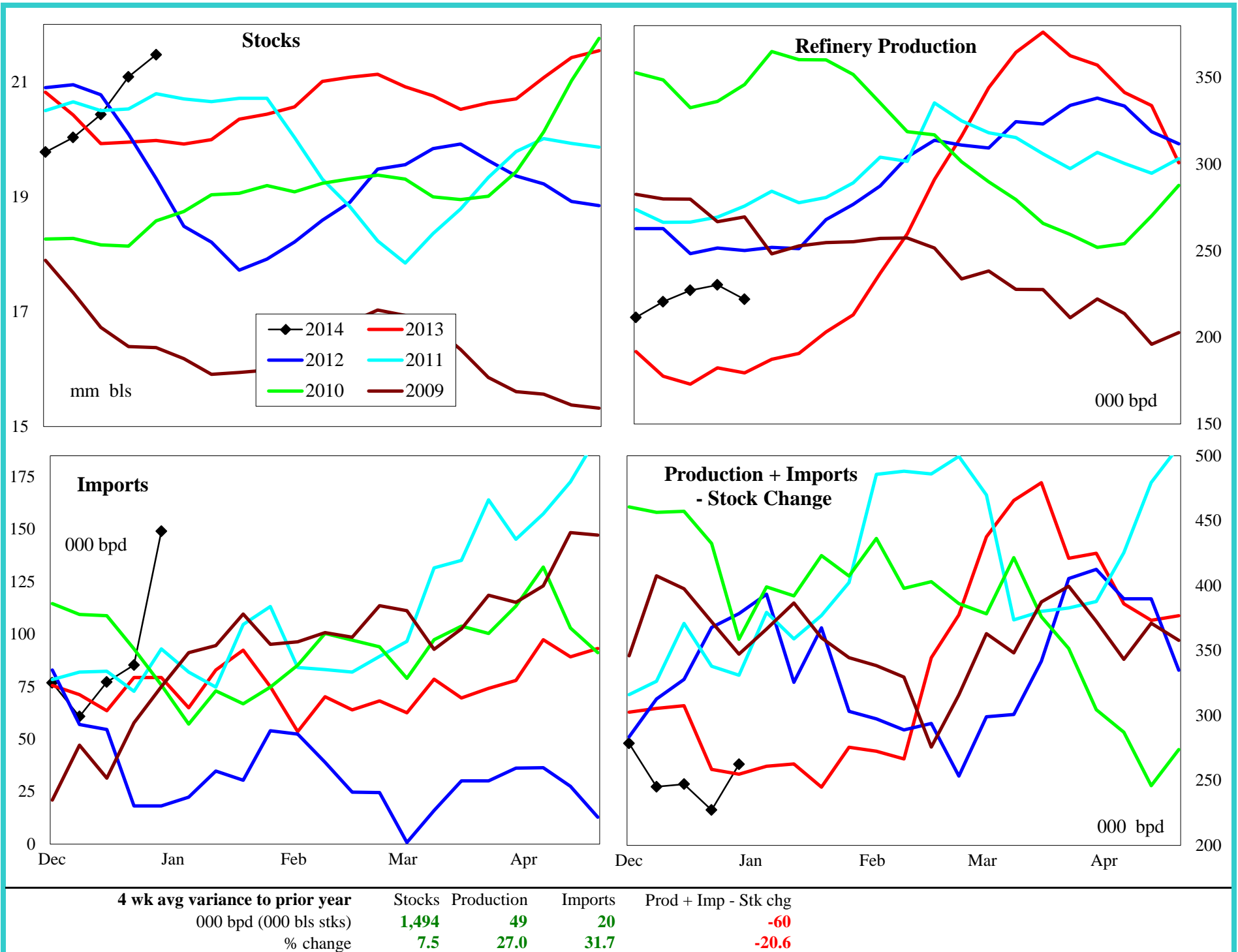
PADD 3 High Sulfur Distillate Supply



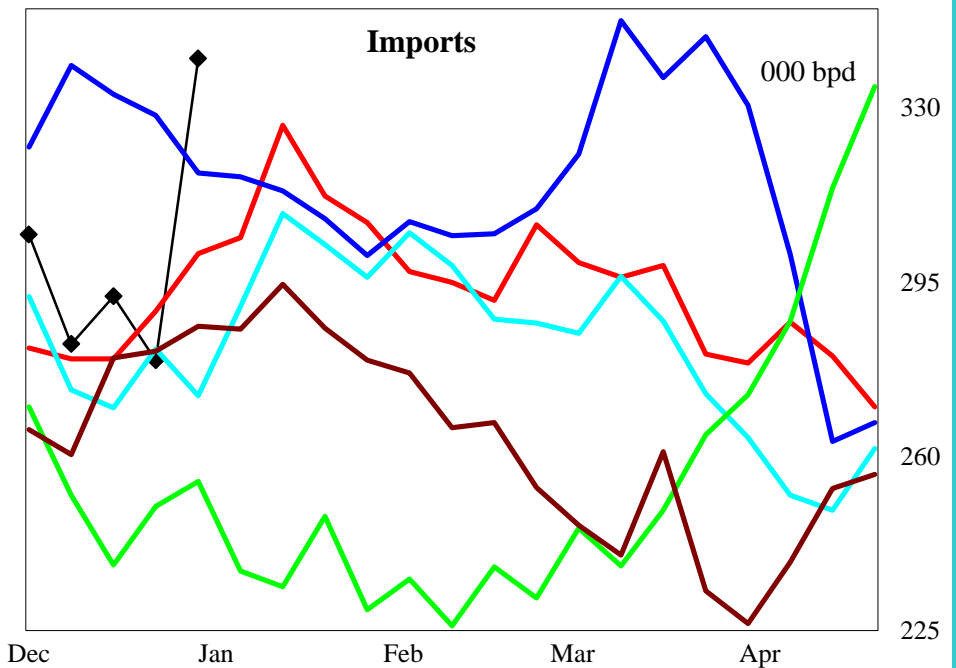
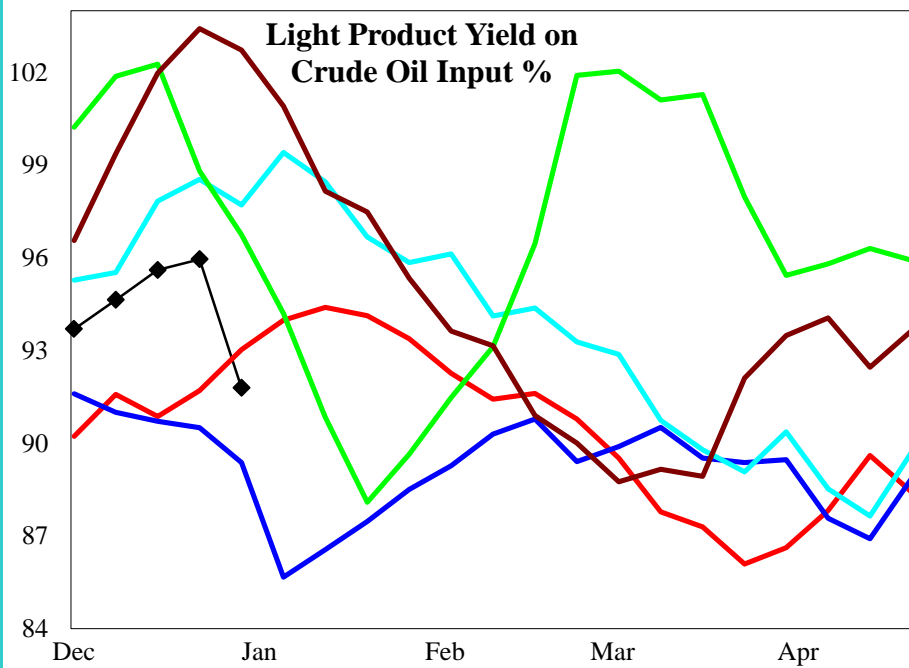
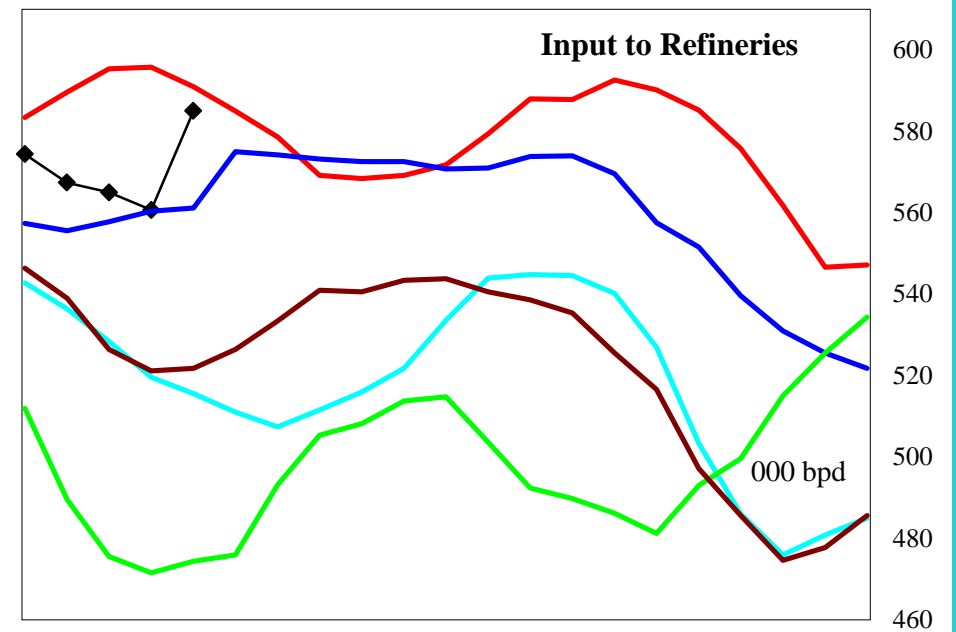
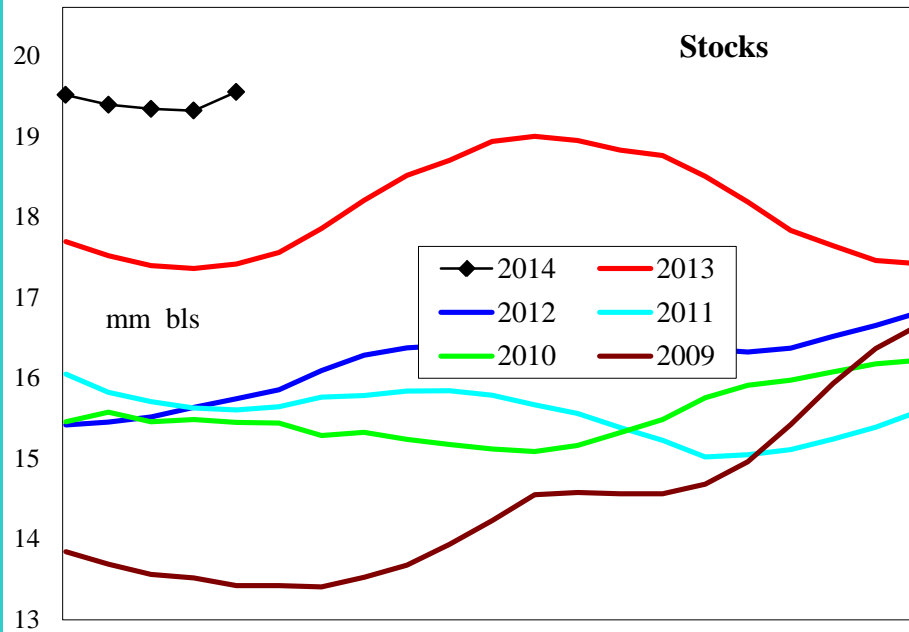
PADD 3 Jet Fuel Supply



PADD 3 Residual Fuel Oil Supply



PADD 4 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bbls stks)

% change

Stocks

2,136

12.0

Input

-32

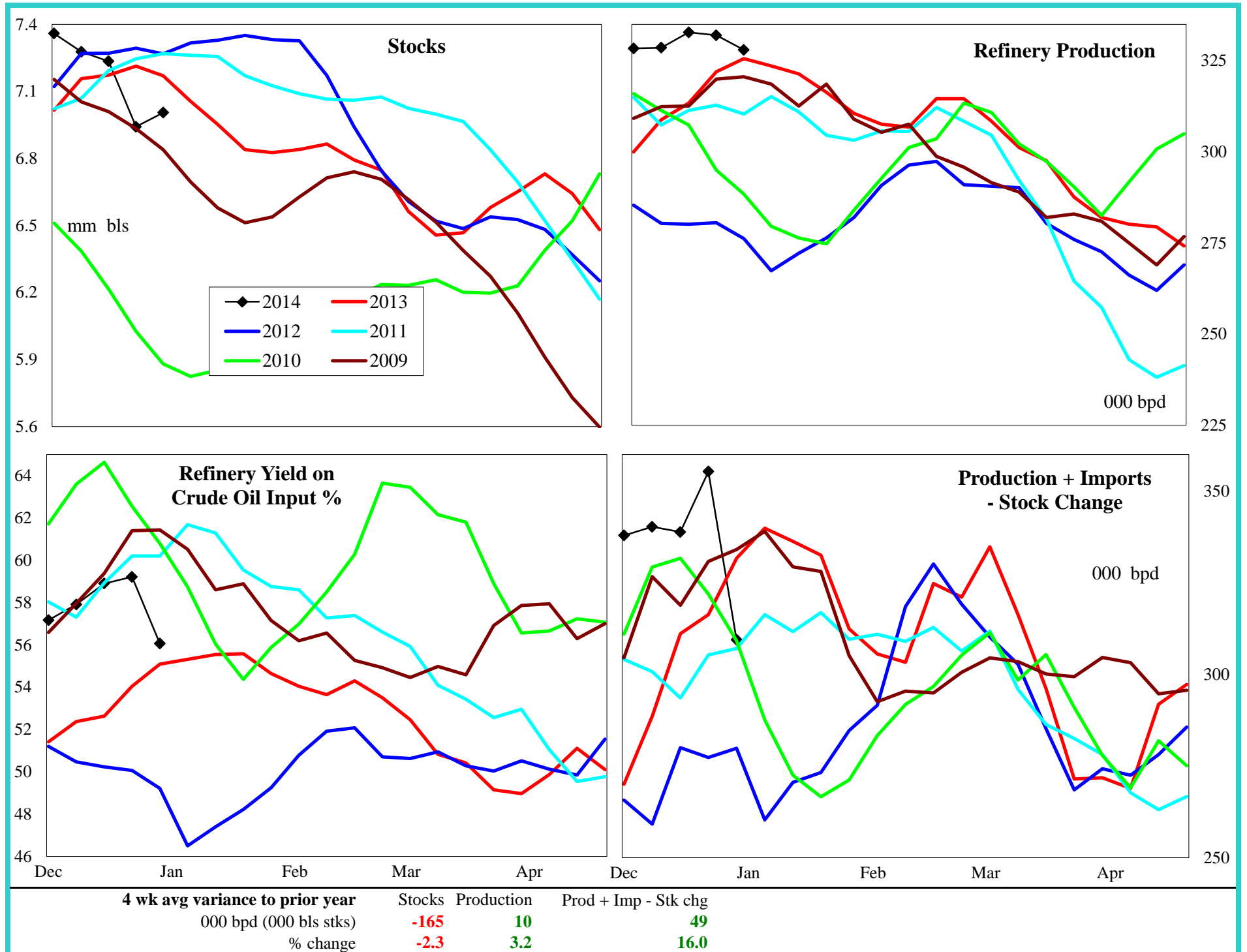
-5.4

Imports

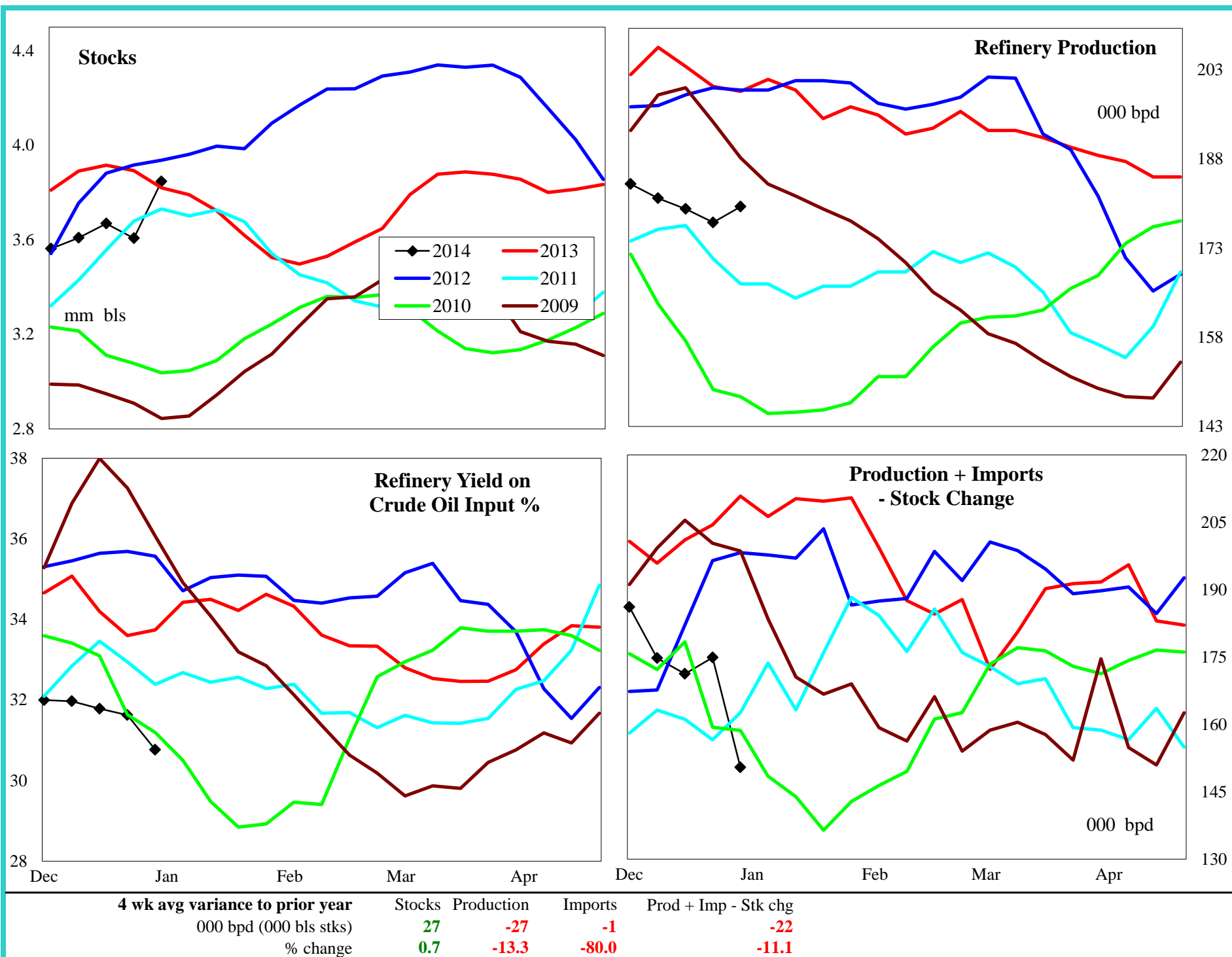
23

7.9

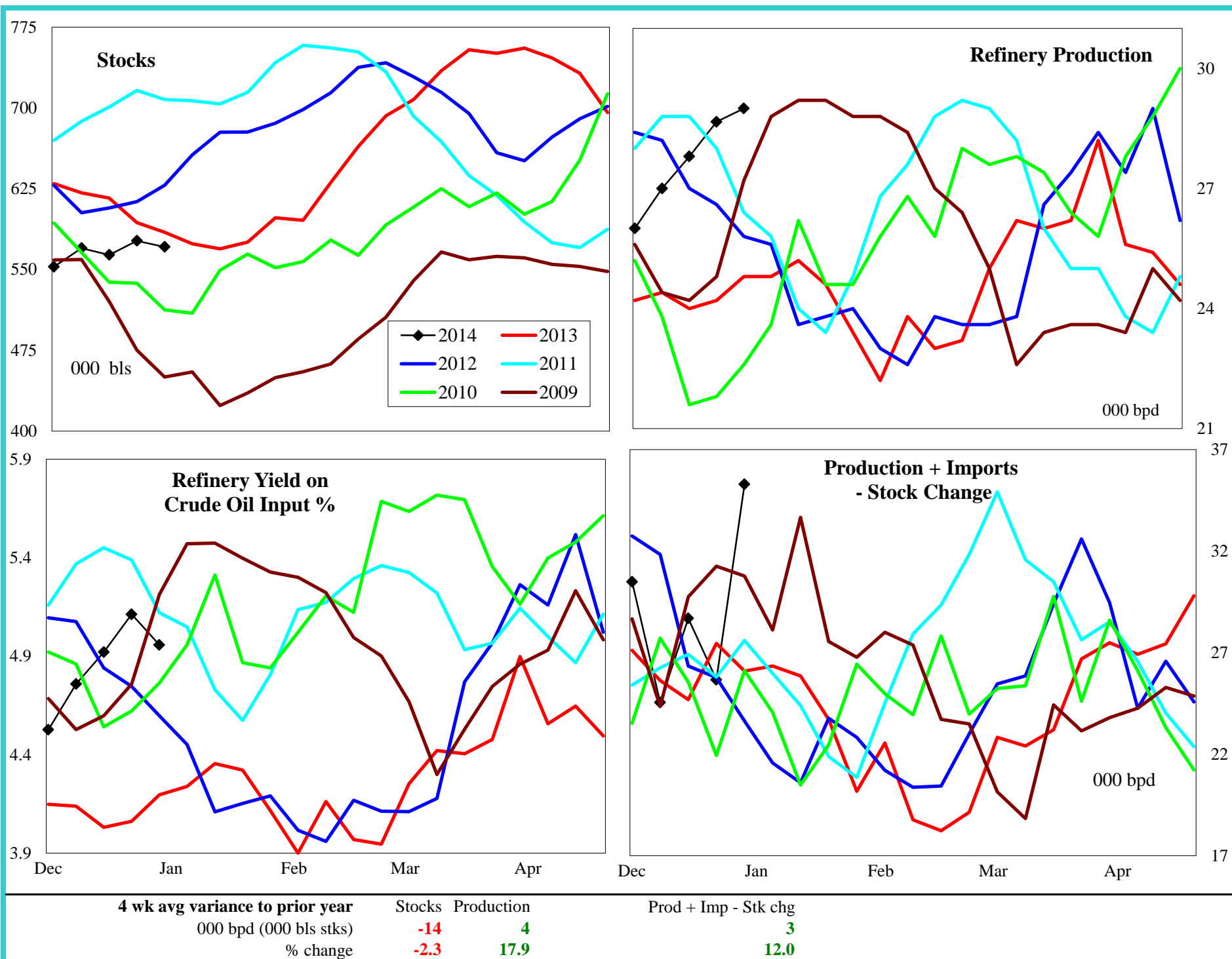
PADD 4 Gasoline Supply



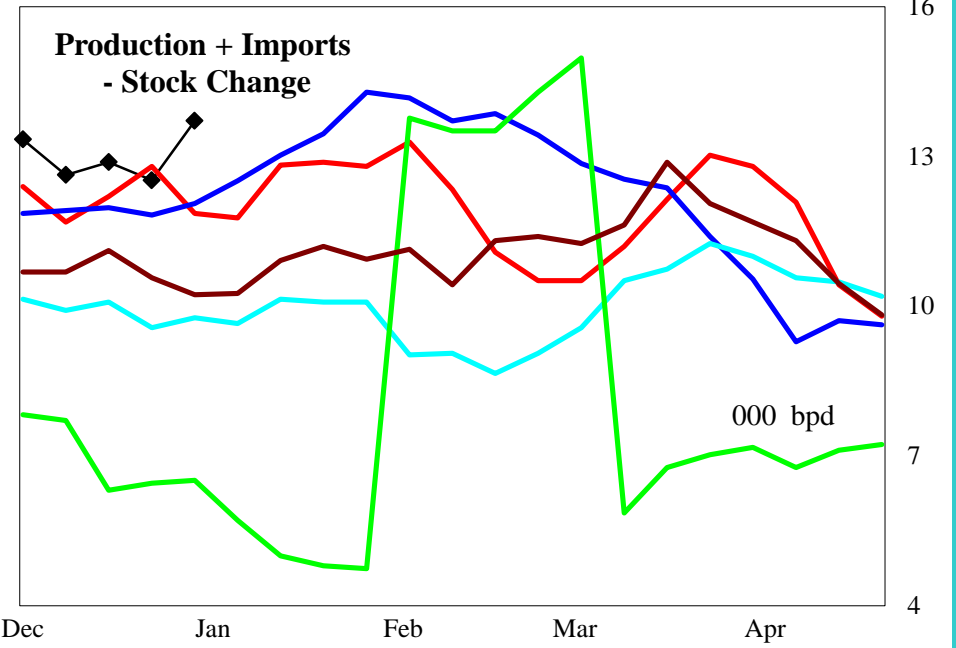
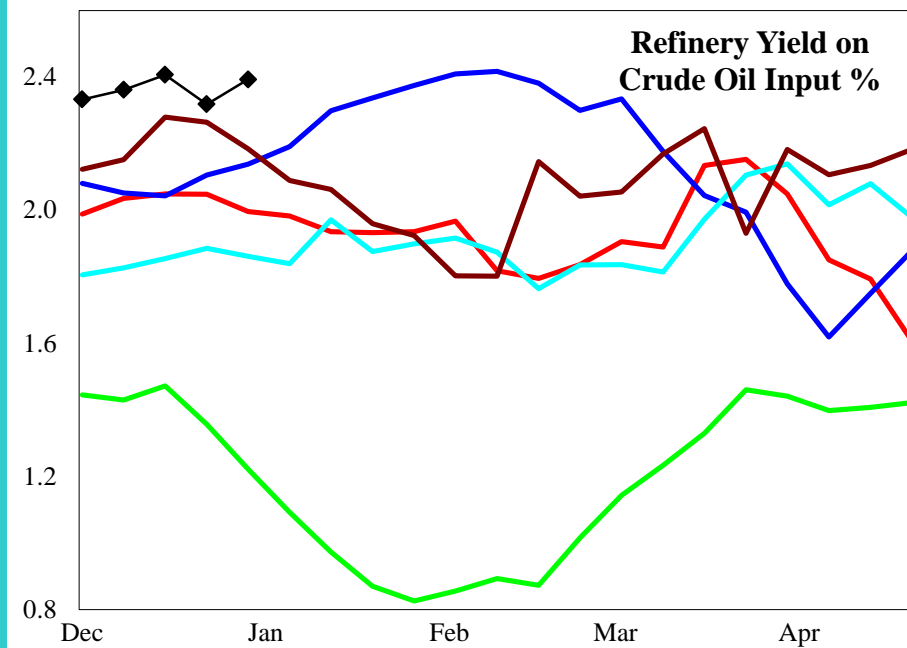
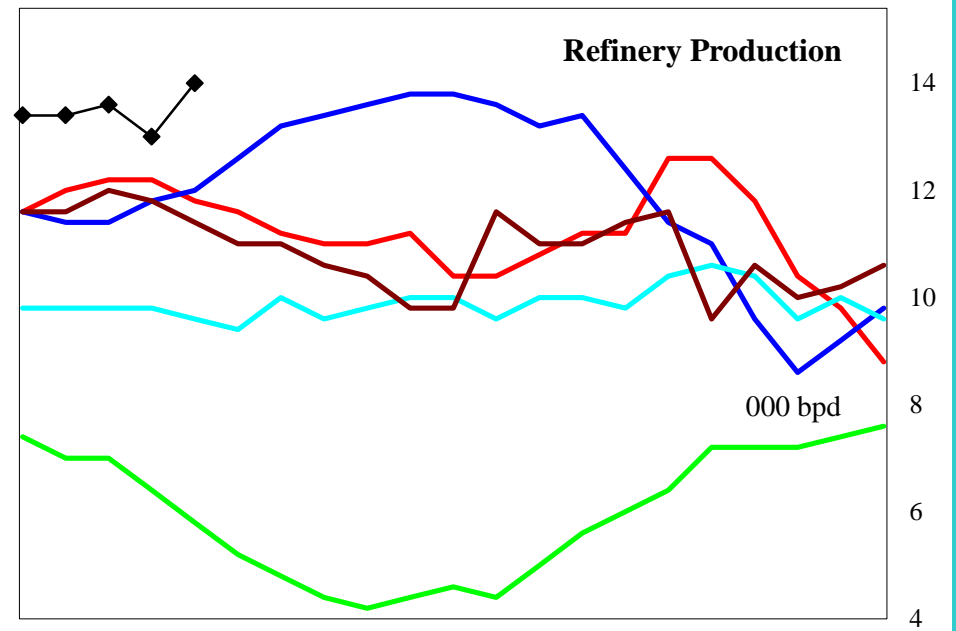
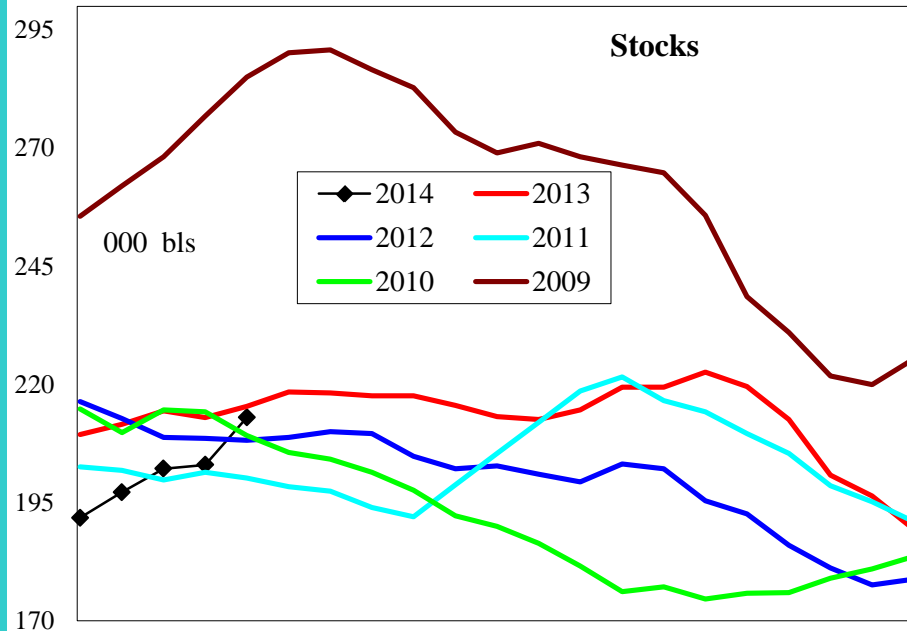
PADD 4 Distillate Supply



PADD 4 Jet Fuel Supply



PADD 4 Residual Fuel Oil Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

-2

1

-1

1

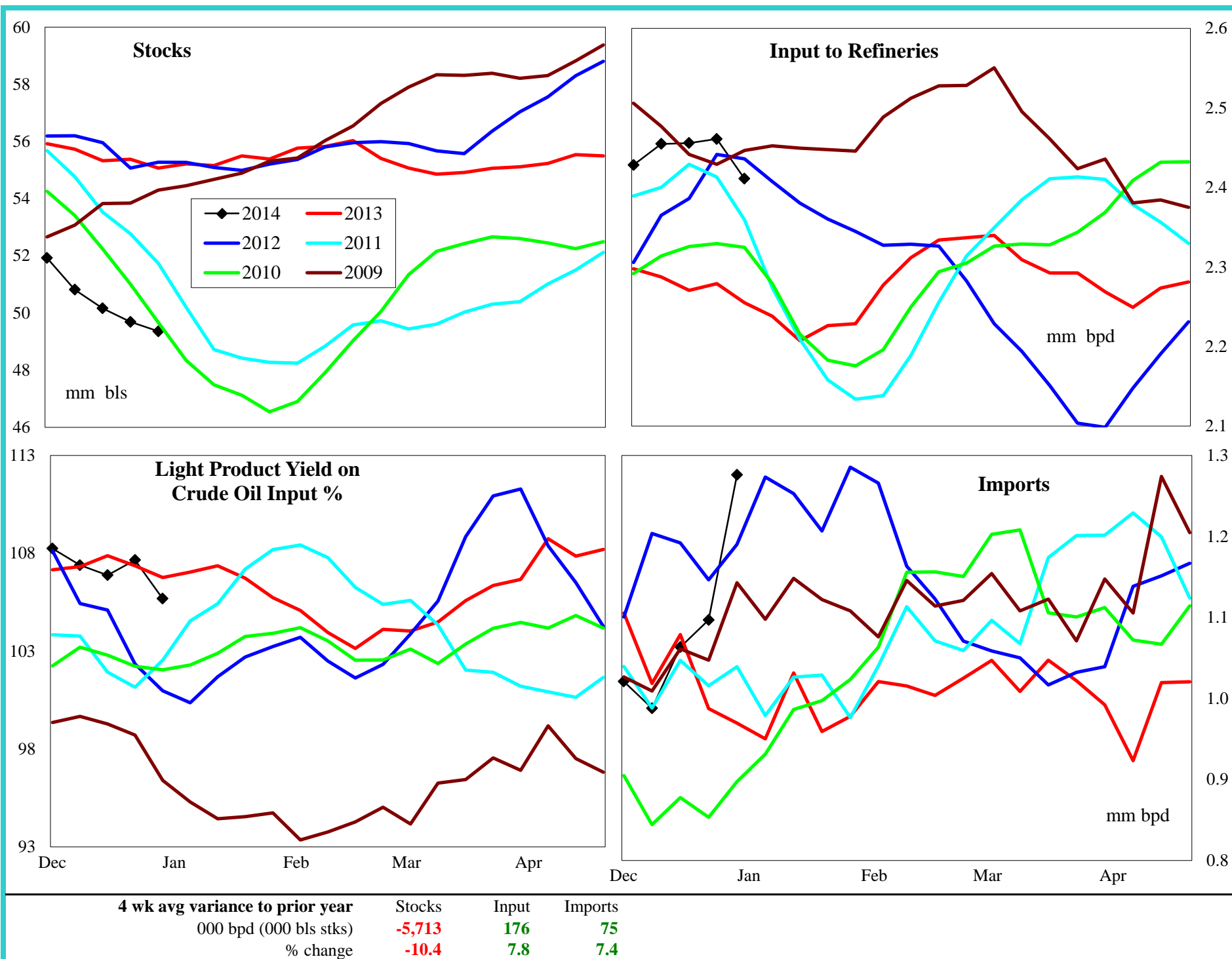
-1.1

8.2

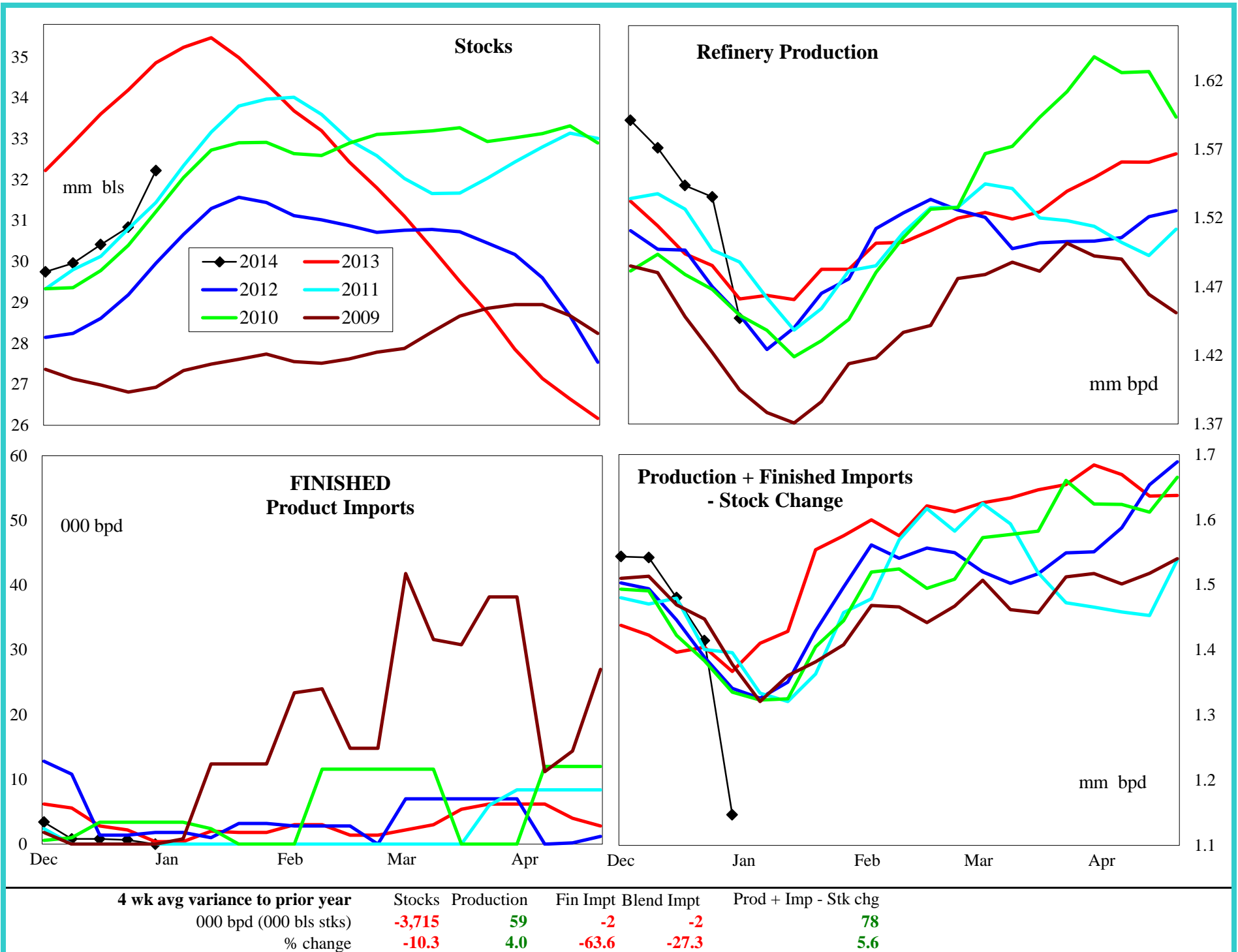
-100.0

6.7

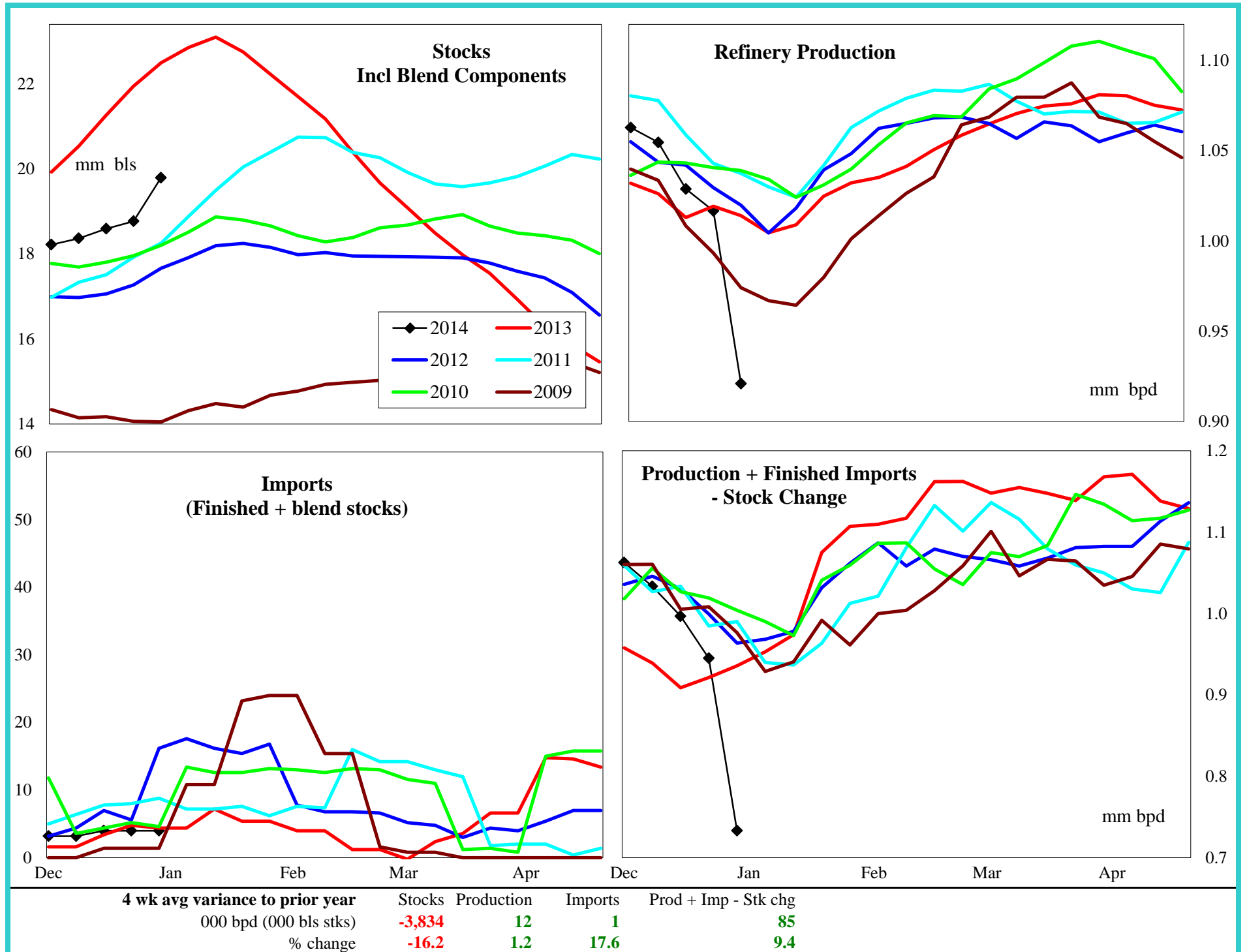
PADD 5 Crude Oil Supply and Refining



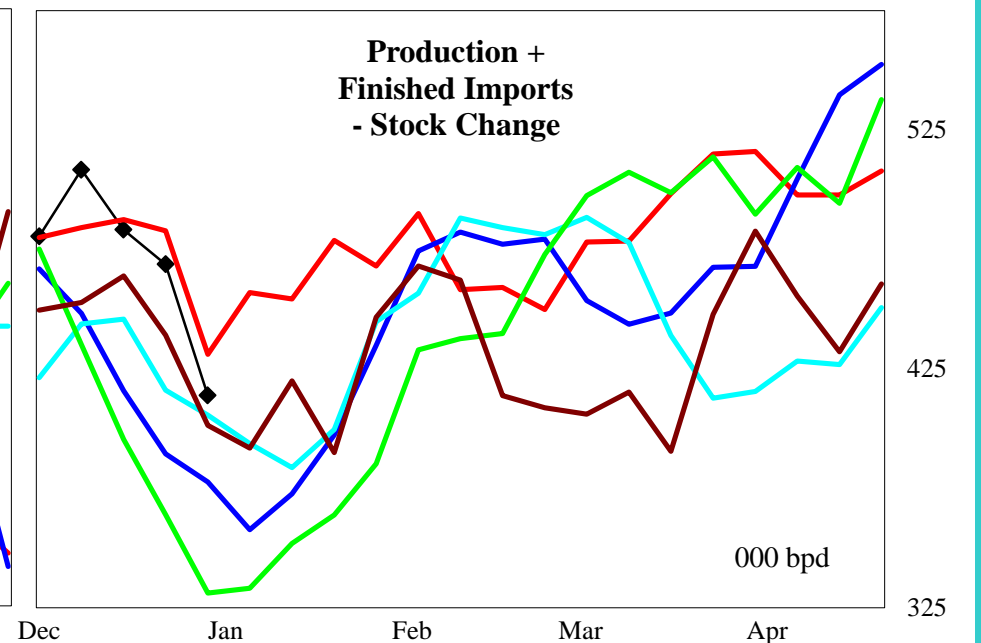
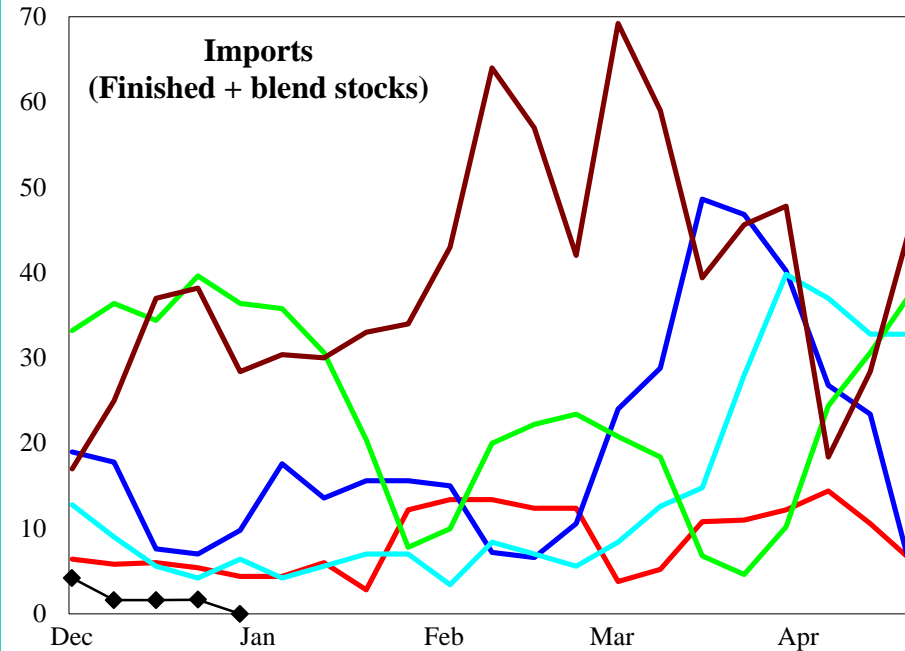
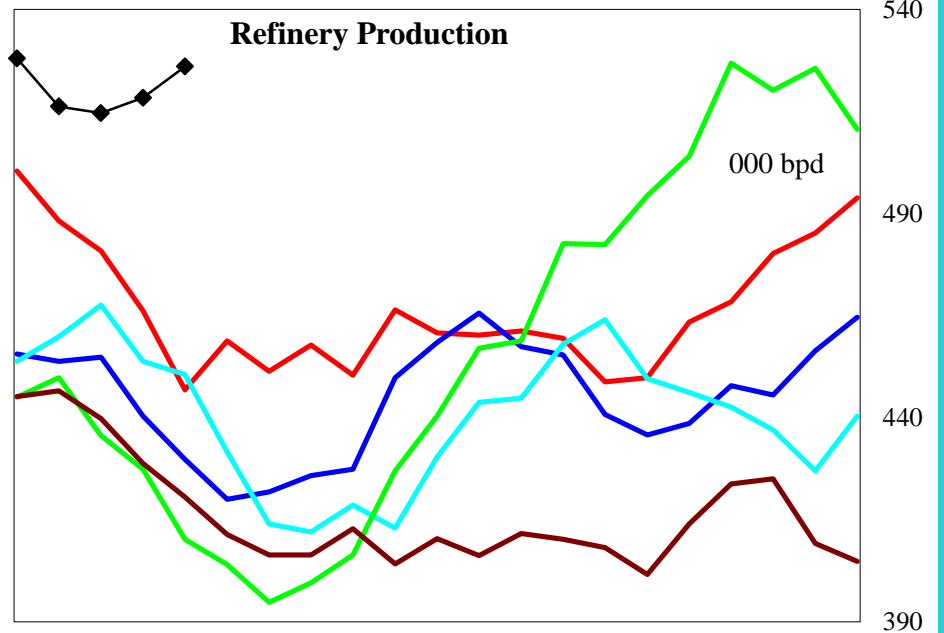
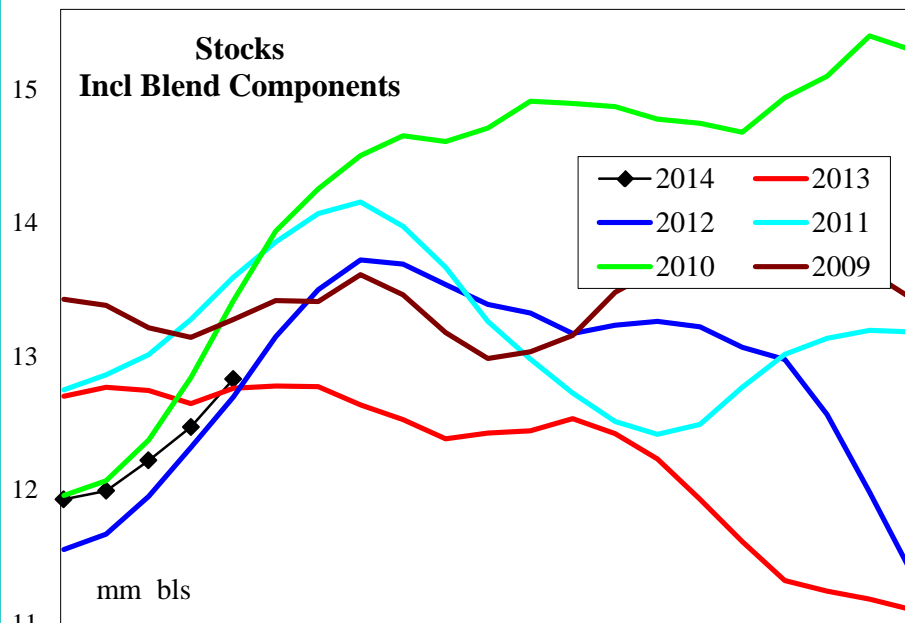
PADD 5 Gasoline Supply



PADD 5 Reformulated Gasoline Supply



PADD 5 Conventional Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

119

47

-5

-7

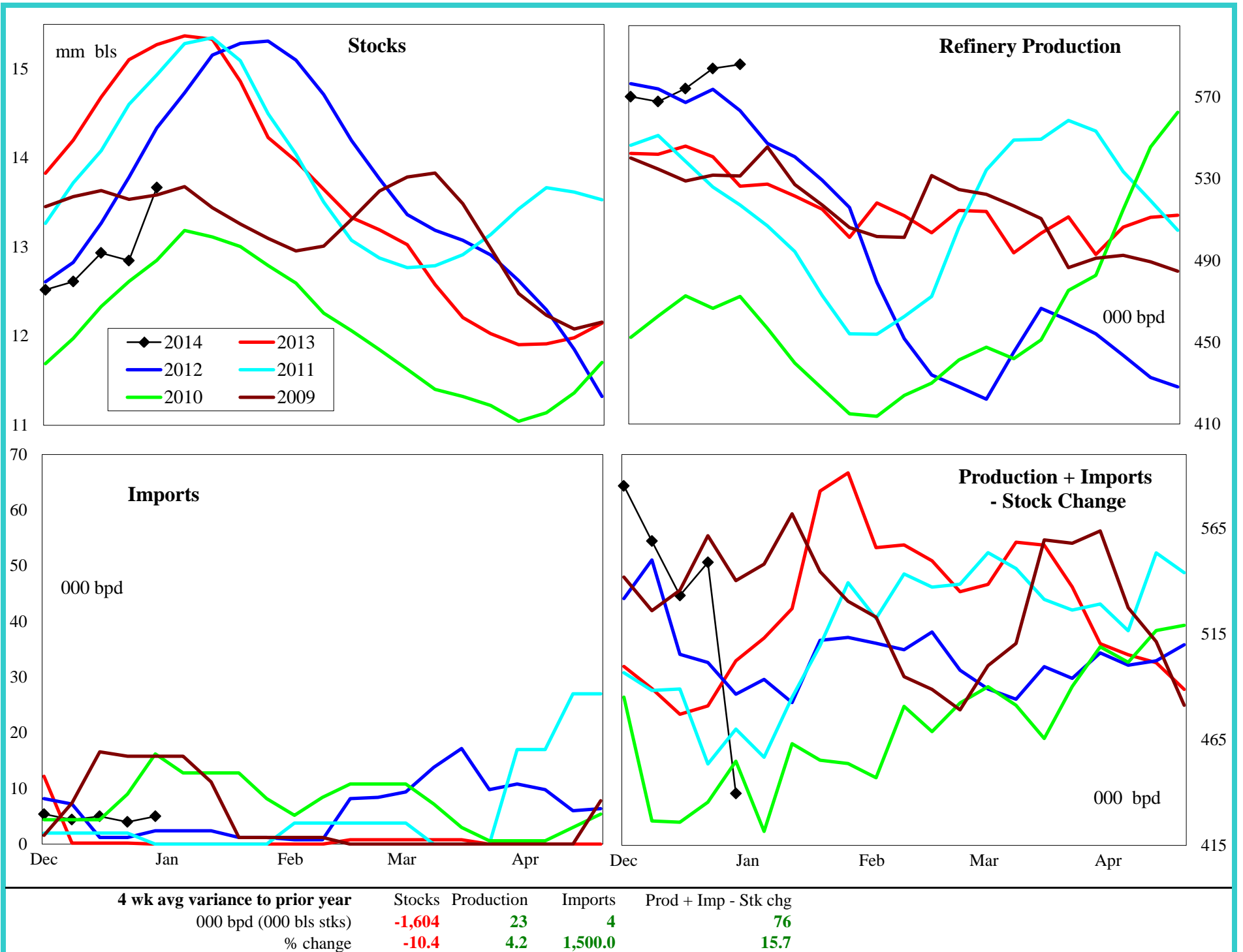
1.0

10.1

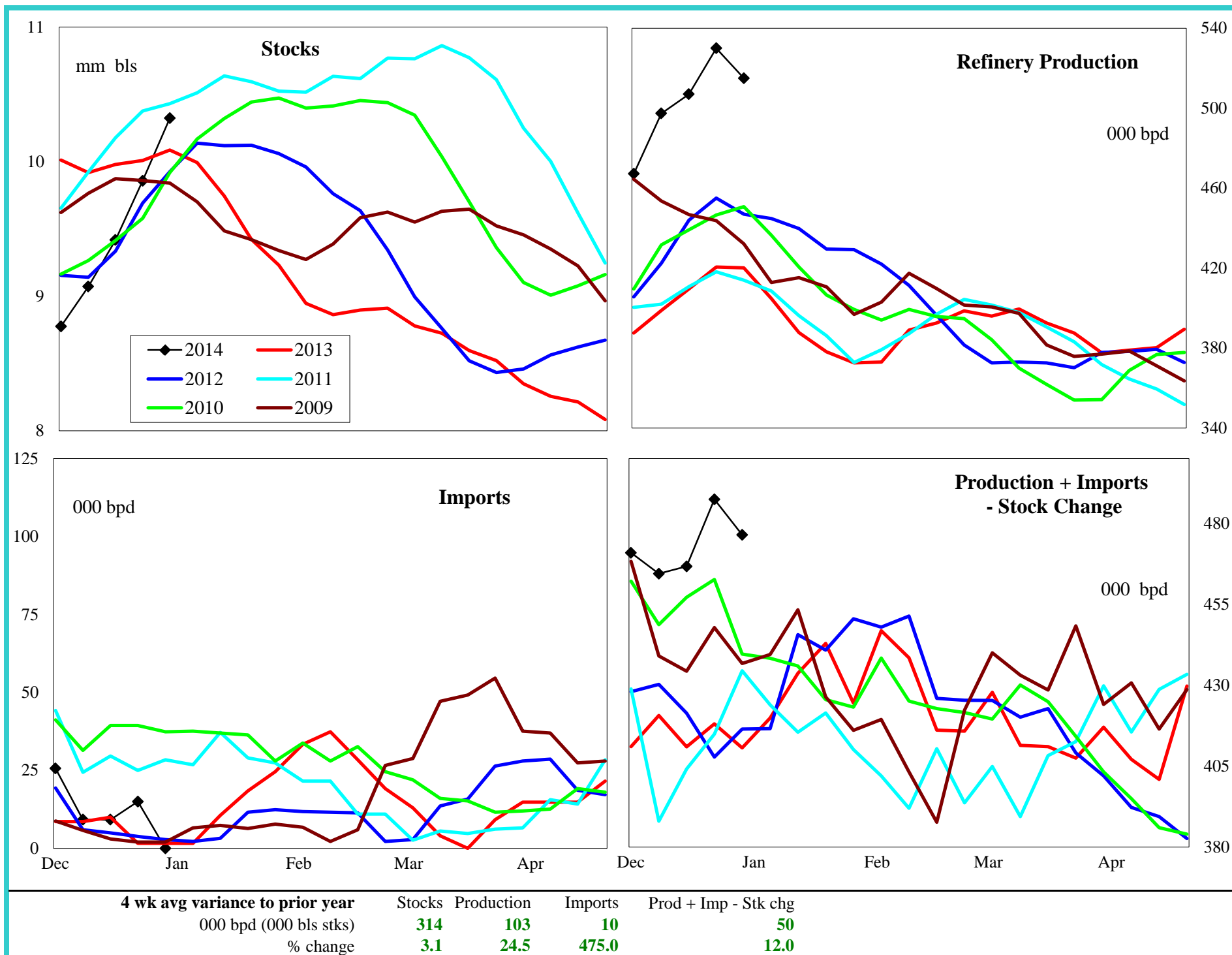
-70.4

-1.5

PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply

