



## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

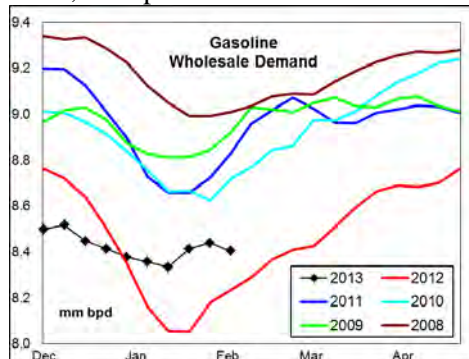
### A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 [www.fundamentalpetroleumtrends.com](http://www.fundamentalpetroleumtrends.com) Wednesday, February 13,

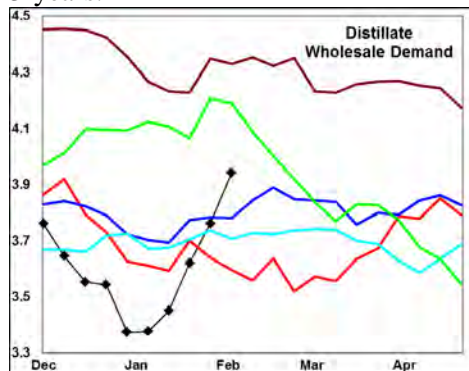


#### Major Fundamental Trends<sup>1</sup>

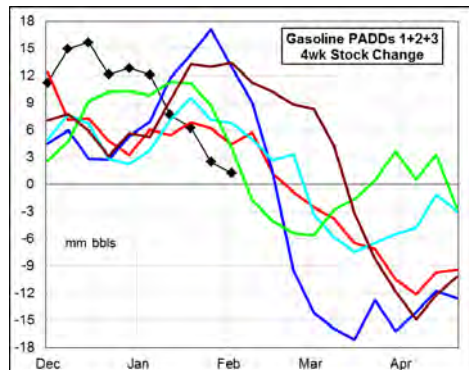
Gasoline wholesale demand remains well above the record lows of a year ago, due to the lack of a sharp seasonal drop seen in past years. The latest 4-wk average year on year increase was +370,000 bpd.



Distillate demand surged +0.3 million bpd last week, to a level above the last 3-years.

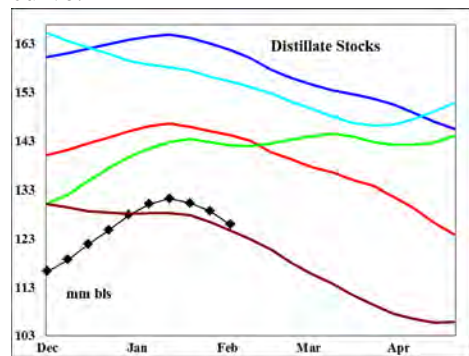


The lack of a steep winter decrease in gasoline and demand and rebound in distillate demand has led to much larger than average stock draw down in markets east of the Rockies.



Distillate stocks witness seasonal stock

draws during the next 60-day period. Stock levels currently match 5-year lows. Look for distillate stocks to fall below the 5-year range during spring maintenance, supporting a continued steep inversion in the forward price curve.



Distillate stock levels are particularly low in Regions 1 and 2; risking a supply squeeze in some regions during spring refinery maintenance.

Crude oil imports fell -0.5 million bpd in the Gulf last week; offset by a surge in imports into PADDs 1 and 2. These trends point to a significant increase in movement of domestic production and Canadian crude oil imports, south into the Gulf region.

**Demand** for distillate surged over +0.3 million bpd last week. Wholesale demand, measured over the last four weeks compared to a year ago: gasoline increased +4.6%; distillate was -1.4% lower; jet fuel was +2.2% higher and residual fuel fell -39%. **Stocks forward coverage:** Gasoline demand coverage decreased on a -0.8 million barrel stock draw. Coverage levels were near last years' record.

Distillate coverage decreased on a -3.7 million barrel stock draw and sharply higher demand. Coverage levels were well below the last 3-years.

Jet fuel coverage remains below four of the last 5-years on record low stock levels and higher demand.

Residual fuel oil coverage climbed to new record highs of 200 days supply on very low demand and record high stocks in the Gulf region.

**Refinery utilization** rates decreased on a -121,000 bpd decline in crude oil

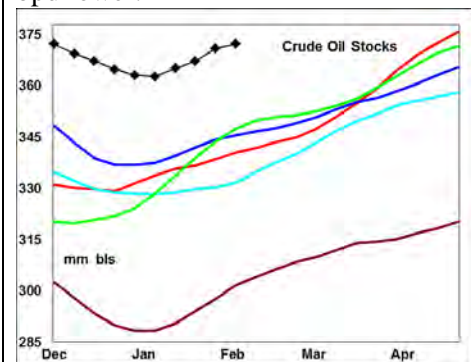
throughput. During the latest 4-wk period crude oil input was -53,000 bpd below a year ago.

Gasoline yield % on crude oil runs increased on a +135,000 bpd rise in output compared to the -553,000 bpd decline in crude oil runs. Yield % on crude oil runs was above the 5-year mid-range for the week.

Distillate yield % on crude oil runs decreased on a -115,000 bpd drop in output compared to the smaller decrease in crude oil throughput. The yield % on crude oil runs matched last years' 5-year high.

Jet fuel yield % on crude oil runs increased on a +43,000 bpd rise in output, compared to the decrease in crude oil runs. The yield % was near 5-year highs.

**Petroleum Imports** of crude oil, and gasoline saw modest declines last week. During the latest 4-wk period crude oil imports were -1 million bpd below last year; distillate imports increased +19,000 bpd; finished gasoline imports decreased -55,000 bpd, gasoline blend stock imports decreased -113,000 bpd; jet fuel imports increased +24,000 bpd, while residual fuel oil imports were -34,000 bpd lower.



**Crude Oil** stocks increased +0.6 million barrels last week, including modest builds in PADDs 3, 4 & 5. U.S. stocks ended the week +10% above last year and a fresh record high.

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



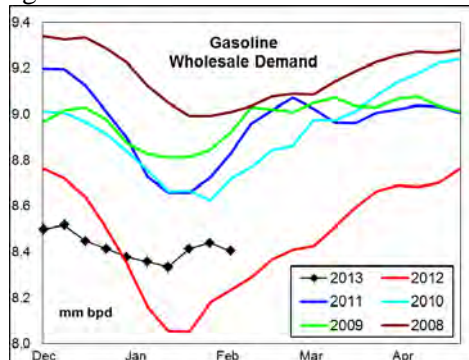
## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

### A Fundamental Petroleum Trends Weekly Report

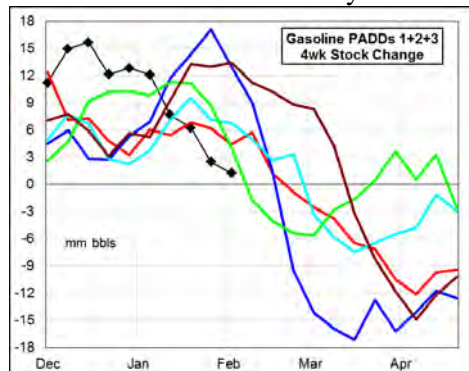
Lehi German Tel: 816.505.0980 [www.fundamentalpetroleumtrends.com](http://www.fundamentalpetroleumtrends.com) Wednesday, February 13,

#### Product Supply-Demand Trends

**Gasoline** demand decreased -11,000 bpd on the week, with the level above last years' record lows. The latest 4-wk average demand was +370,000 bpd above a year ago. This represents the a near record year-on-year increase since the recession. Supply increased +53,000 bpd last week on higher production. Supply for the latest 4-wk period was +236,000 bpd above a year ago.



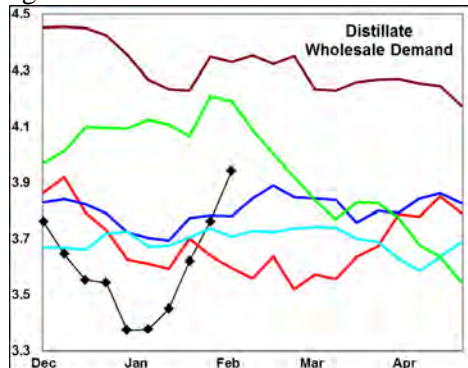
Stocks decreased -0.8 million barrels last week, with the level equal to the average of the last 2-years. The latest 4-wk build of +1.2 million barrels was a record low for this time of year.



Look for stock draws with demand trending higher on both a seasonal uptrend and year-on-year increase. Combined with refinery maintenance and low imports due to a tight European market, look for a record rate of stock draws during the next quarter.

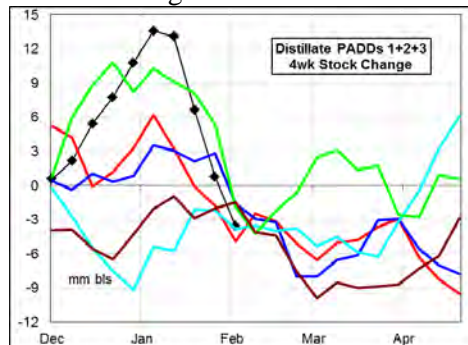
Exceptionally large builds on the East Coast has reduced the risk of a supply squeeze, although much of the build represents winter grade product that has depressed the front end of the forward price curve.

**Distillate** demand surged +318,000 bpd last week, to a level above the last 3-years. The latest 4-wk average demand was -53,000 bpd below a year ago.



Supply decreased -58,000 bpd last week, with the latest 4-wk average -77,000 bpd below last year. Stocks fell -3.7 million barrels last week, on a surge in downstream inventory builds in the Northeast.

The latest 4-wk stock change in markets East of the Rockies was a -3.8 million barrel draw, a level below the historic average.



The rebound in wholesale demand and seasonal refinery maintenance should lead to further stock draws over the next quarter. Stock levels remain at 5-year lows in the Midwest and East coast regions.

**Jet Fuel** demand decreased -31,000 bpd on the week, with the level above the last 4-years. The latest 4-wk average demand was +30,000 bpd above a year ago.

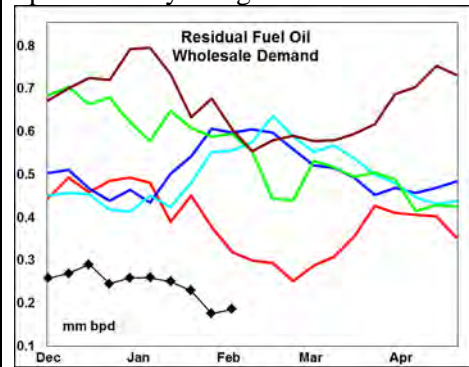
Supplies increased +36,000 bpd on the week, due to higher production. Production levels were above the last 3-years, with the 4-wk average +25,000 bpd above a year ago. Stocks decreased -0.3 million barrels last

week to a new 5-year low for this time of year.

*Expect refiners to maximize jet output on very low stock levels in key regions. Record low stocks and a seasonal draw down should keep supplies tight for the next 60-days in key markets.*



**Residual fuel oil** demand increased +33,000 bpd last week. Demand for the latest 4-wk period was -182,000 bpd below a year ago.



Supply (production + imports) increased +113,000 bpd last week, on higher production and imports. The latest 4-wk average supply was -135,000 bpd below last year on lower imports and production. Stocks increased +0.7 million barrels last week, to a level +9% above a year ago.

Stocks reached record highs in the Gulf Region last week on a surge in production. Stock levels on the East and West coasts were each at record lows.





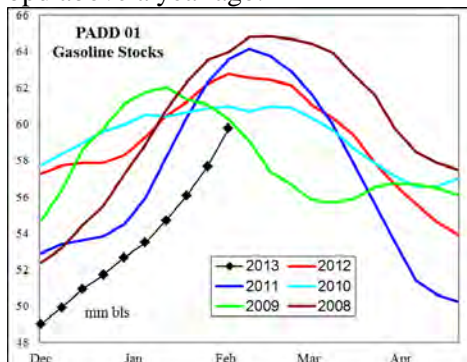
## WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

### A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 [www.fundamentalpetroleumtrends.com](http://www.fundamentalpetroleumtrends.com) Wednesday, February 13,

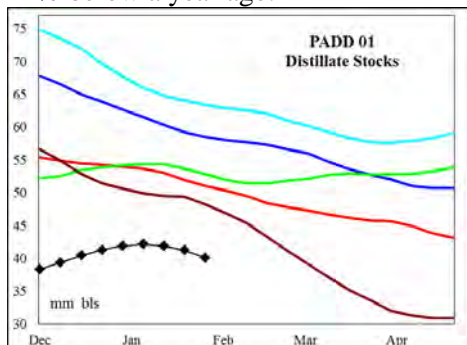
#### PADD Supply Trends

**PADD 1** refinery crude oil runs decreased -120,000 bpd last week. The latest 4-wk average was +118,000 bpd above a year ago.

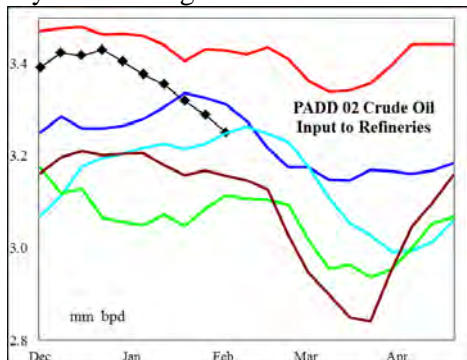


Gasoline supply decreased -68,000 bpd on the week. Stocks increased +1.7 million barrels on the week, ending at a level near the low end of the historic range.

Distillate supply decreased -13,000 bpd on the week due to lower production. Stocks fell -2.6 million barrels on the week, with the level -24% below a year ago.



Jet fuel supply declined -25,000 bpd on lower imports. Stock levels match the 5-year mid range.



**PADD 2** crude oil refinery runs decreased -63,000 bpd last week, to a level which matched the 5-year mid

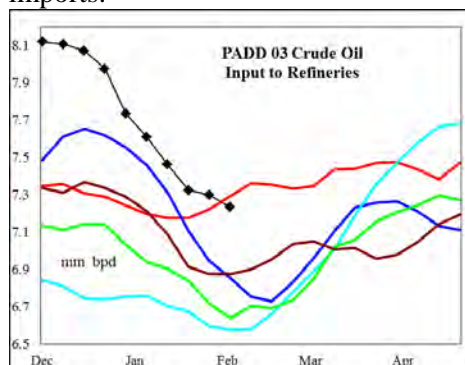
range. Runs for the latest 4-wk period were -115,000 bpd below last year. Crude oil stocks decreased -0.7 million barrels on the week. Stocks ended the week +58% above a year ago at Cushing, Oklahoma.

Gasoline production decreased -20,000 bpd on the week, to a record low for this time of year. Stocks increased +0.5 million barrels on the week, a level below the 5-year range.

Distillate supply fell -84,000 bpd on the week, to a level near historic lows for the period. Stocks were unchanged on the week, at a level that matched 5-year lows.

Jet fuel production decreased -12,000 bpd on the week, to a level near the mid range. Stock levels ended the week -21% below last year, and a record low.

**PADD 3** refinery runs decreased -69,000 bpd last week, with the latest 4-wk average +95,000 bpd above a year ago. Crude oil stocks increased +0.5 million barrels lower than the recent trend, due to a -0.5 million bpd drop in imports.



Gasoline supply decreased -154,000 bpd last week, ending the week at a level above the last 2-years. Stocks decreased -0.5 million barrels, a level still above the prior 5-year high.

Distillate supply increased +21,000 bpd on the week, with the latest 4-wk average -120,000 bpd below a year ago. Stocks decreased -0.2 million bpd last week, to a level that matched the 5-year mid range.

Jet fuel supply increased +47,000 bpd last week on higher production. Stocks decreased -0.3 million barrels

on the week, to a level comparable with the last 2-years.

Residual fuel oil supplies increased +53,000 bpd on the week. Stocks increased +1.3 million barrels ending the week at a record high for the season.

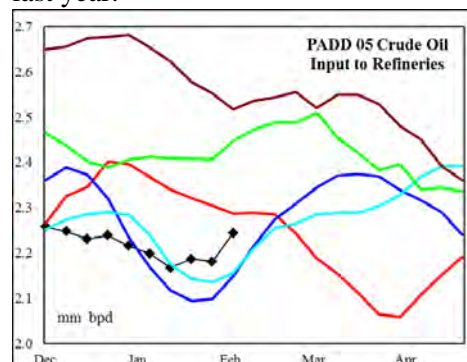
**PADD 4** refinery crude runs were nearly unchanged last week, at a level near last years' record high.

Gasoline production decreased -14,000 bpd on the week, with the level below the mid range. Stock levels ended the week well below the 5-year mid-range.

Distillate production extended the recent downtrend last week, although the level remains above four of the last 5-years. Stock levels remain above the historic mid range.

Jet fuel production was below the historic range last week. Stock levels were below the last 2-years.

**PADD 5** crude oil refinery runs increased +132,000 bpd on the week, to a level above the average of the last 3-years. Runs for the most recent 4-wk period were -139,000 bpd below last year.

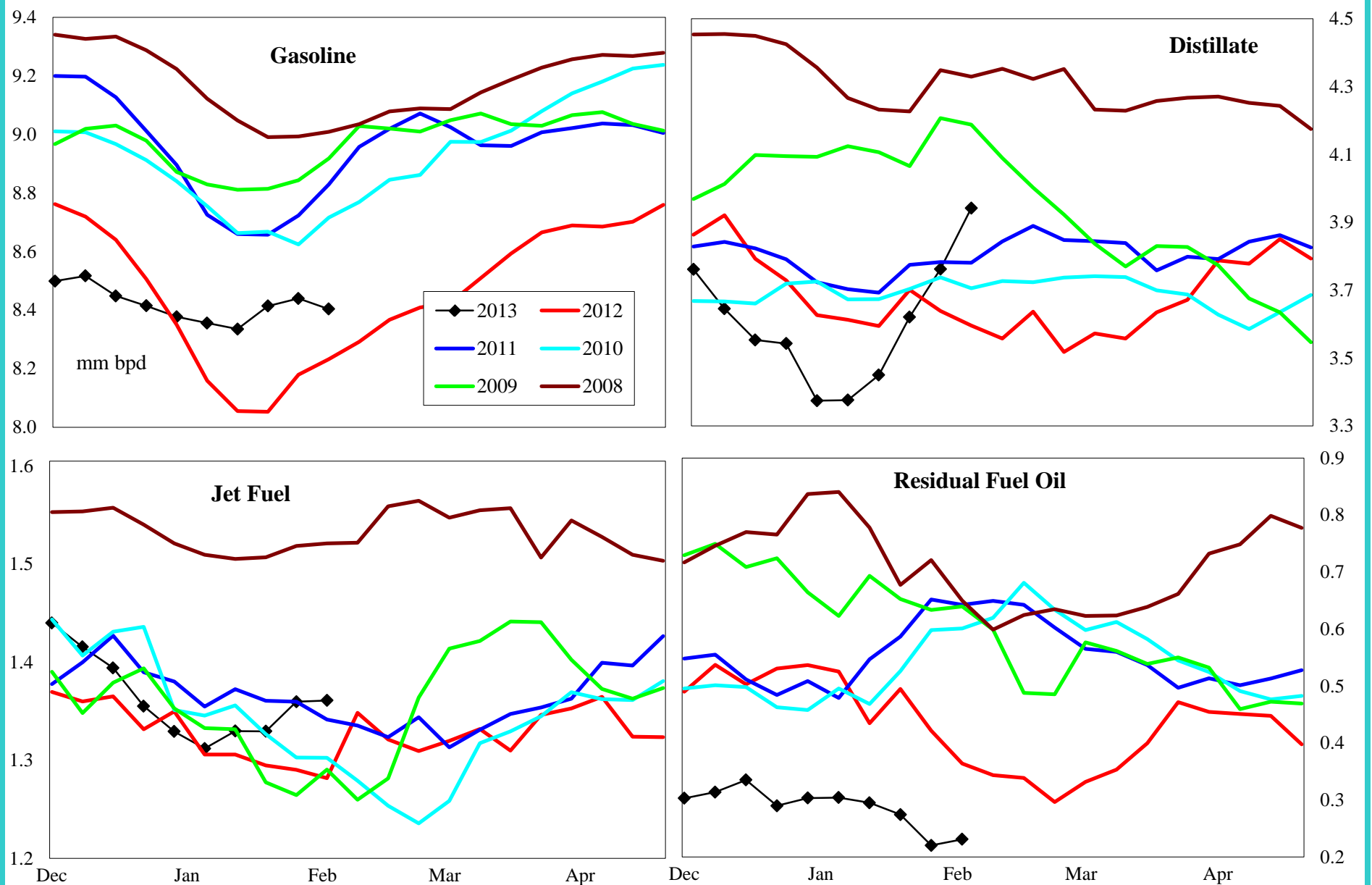


Gasoline supply was nearly unchanged on the week, with higher output offset by a decrease in imports. The latest 4-wk average supply was +12,000 bpd above last year. Stocks fell -1.5 million barrels, with the level near 5-year highs for the period.

Distillate supply increased +23,000 bpd, to a level above the last 3-years. Stocks fell -0.9 million barrels for the week, to a level that matched the historic mid range.



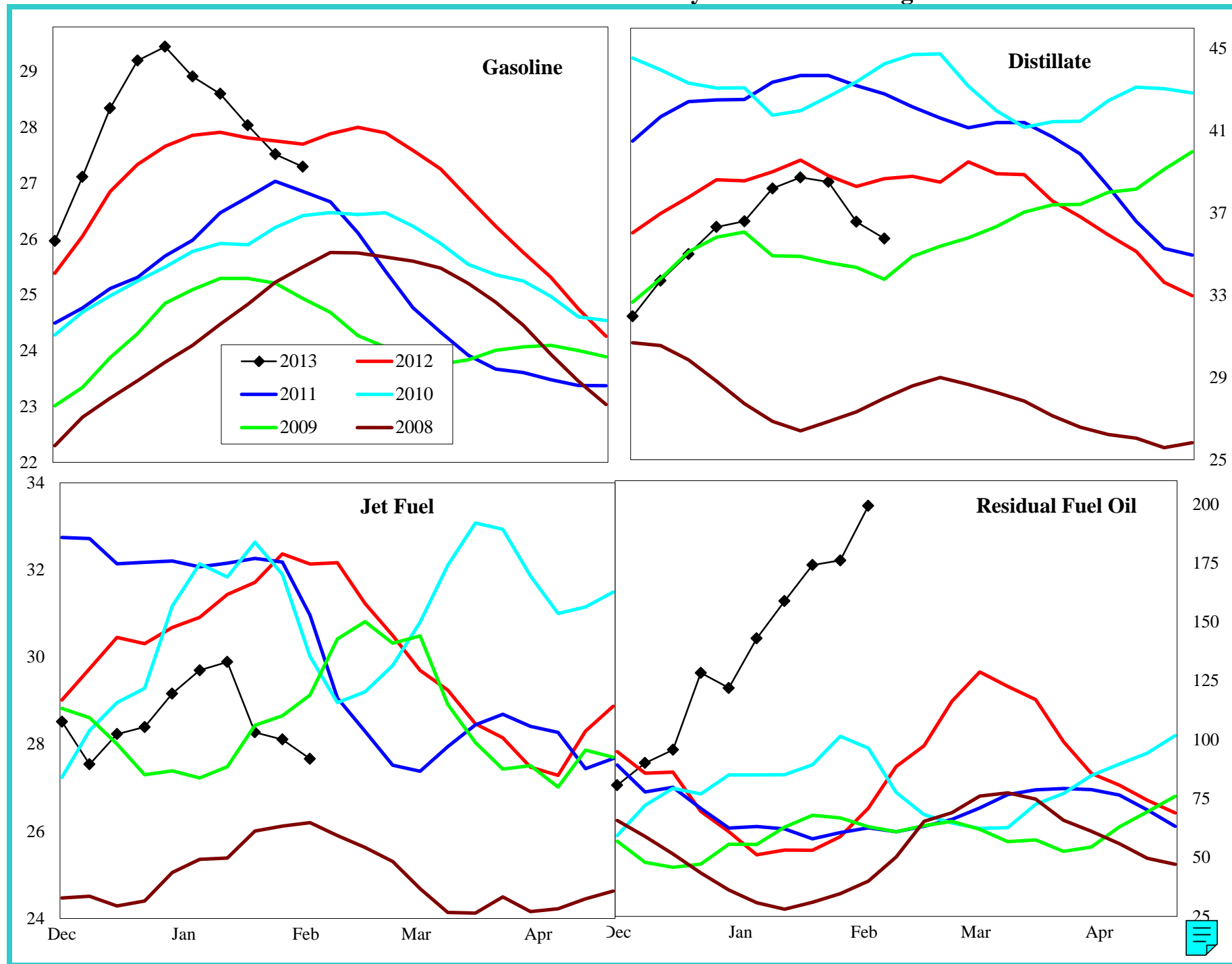
## United States Wholesale Petroleum Demand



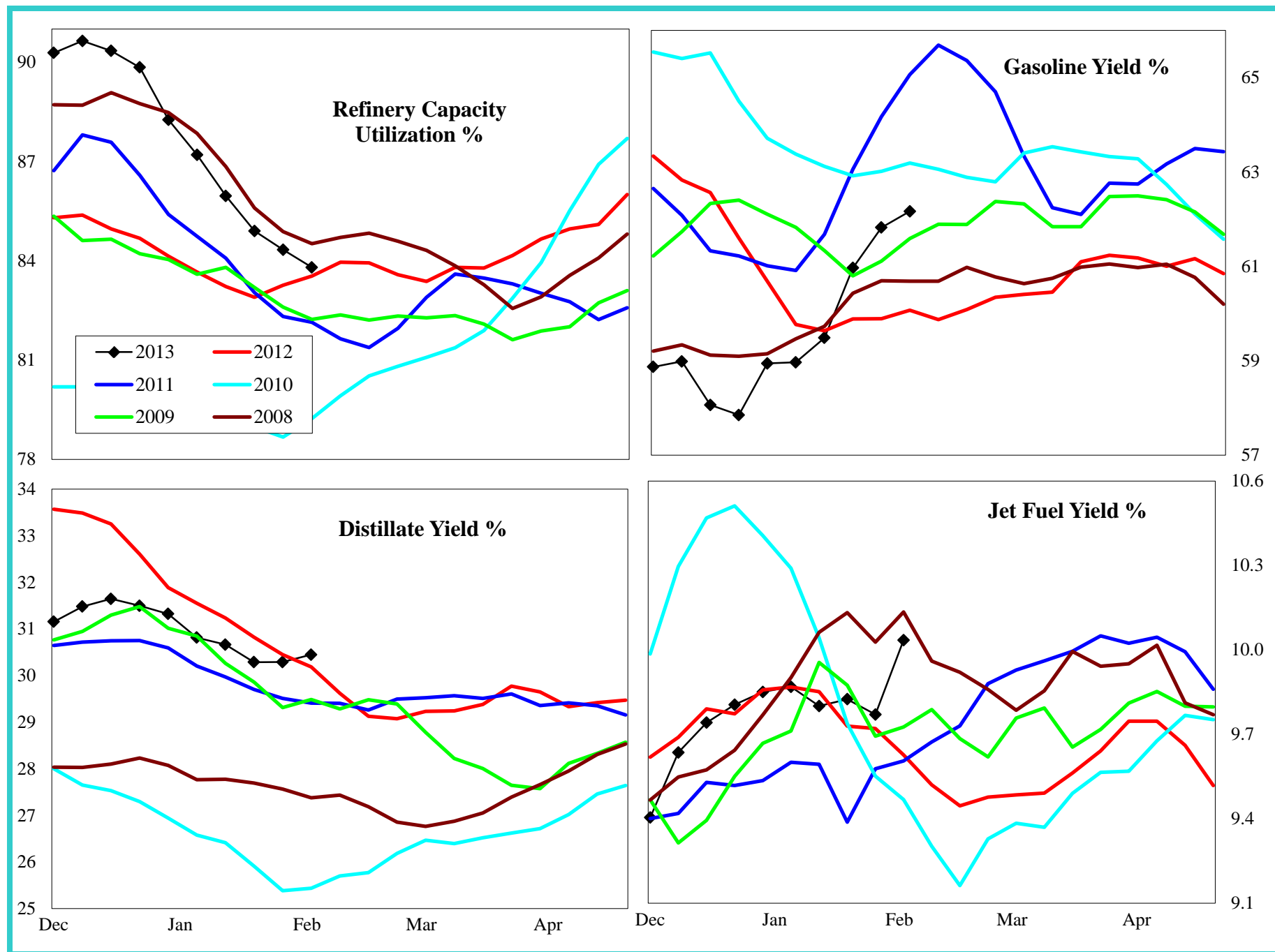
	000 bpd change from prior year				% change from prior year				
	4wk avg	Jan	Dec	Nov	4wk avg	Jan	Dec	Nov	
Gasoline	370	230	-244	2	4.6	2.8	-2.8	0.0	
Distillate	-53	-282	-286	-207	-1.4	-7.4	-7.4	-5.0	
Jet Fuel	30	49	67	-9	2.2	3.7	4.9	-0.6	
Resid	-182	-135	-209	-100	-38.5	-32.1	-40.3	-25.3	



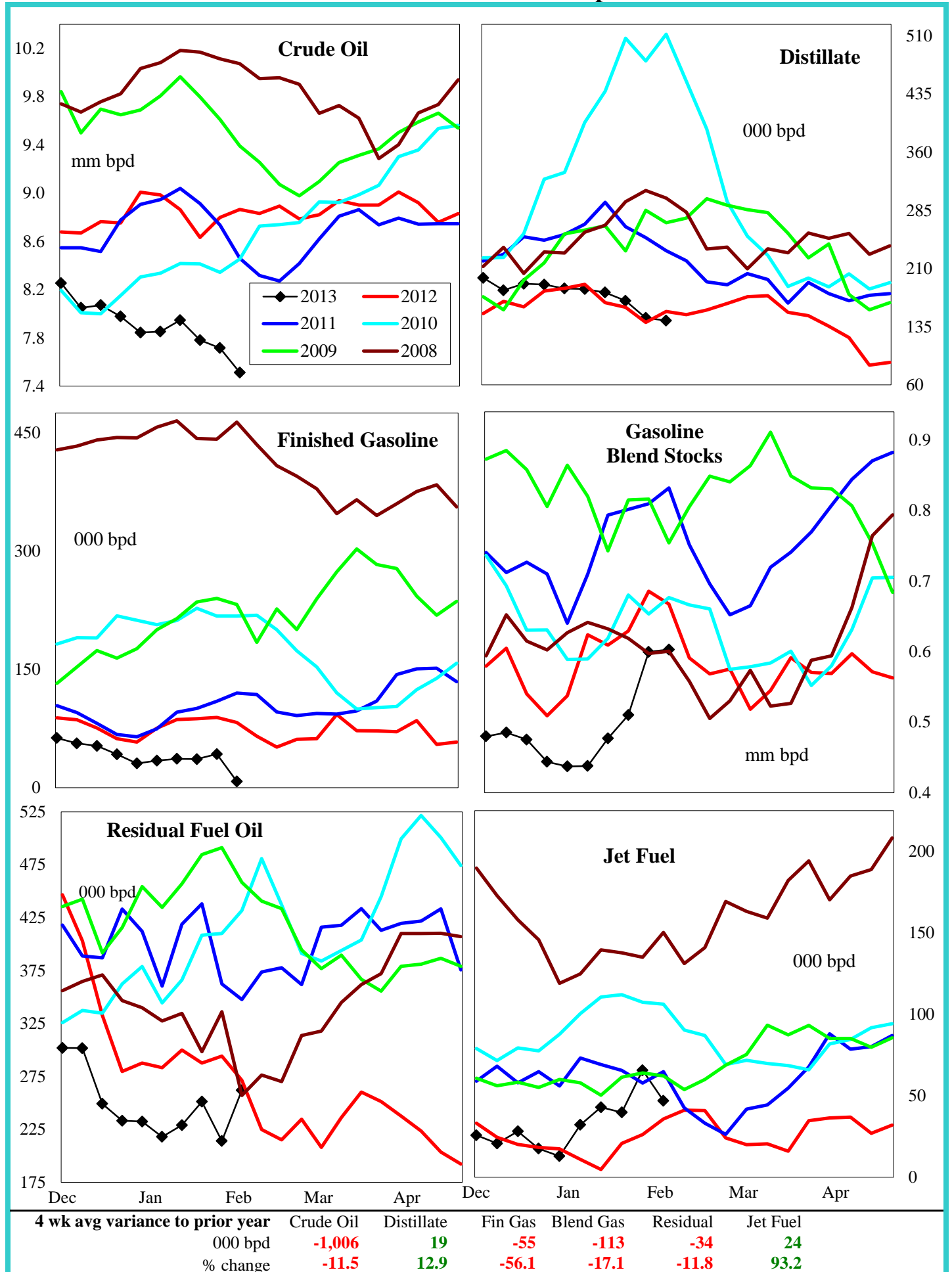
## United States Product Stocks: Days Forward Coverage



## United States Refinery Percent Utilization Rate and Product Yields

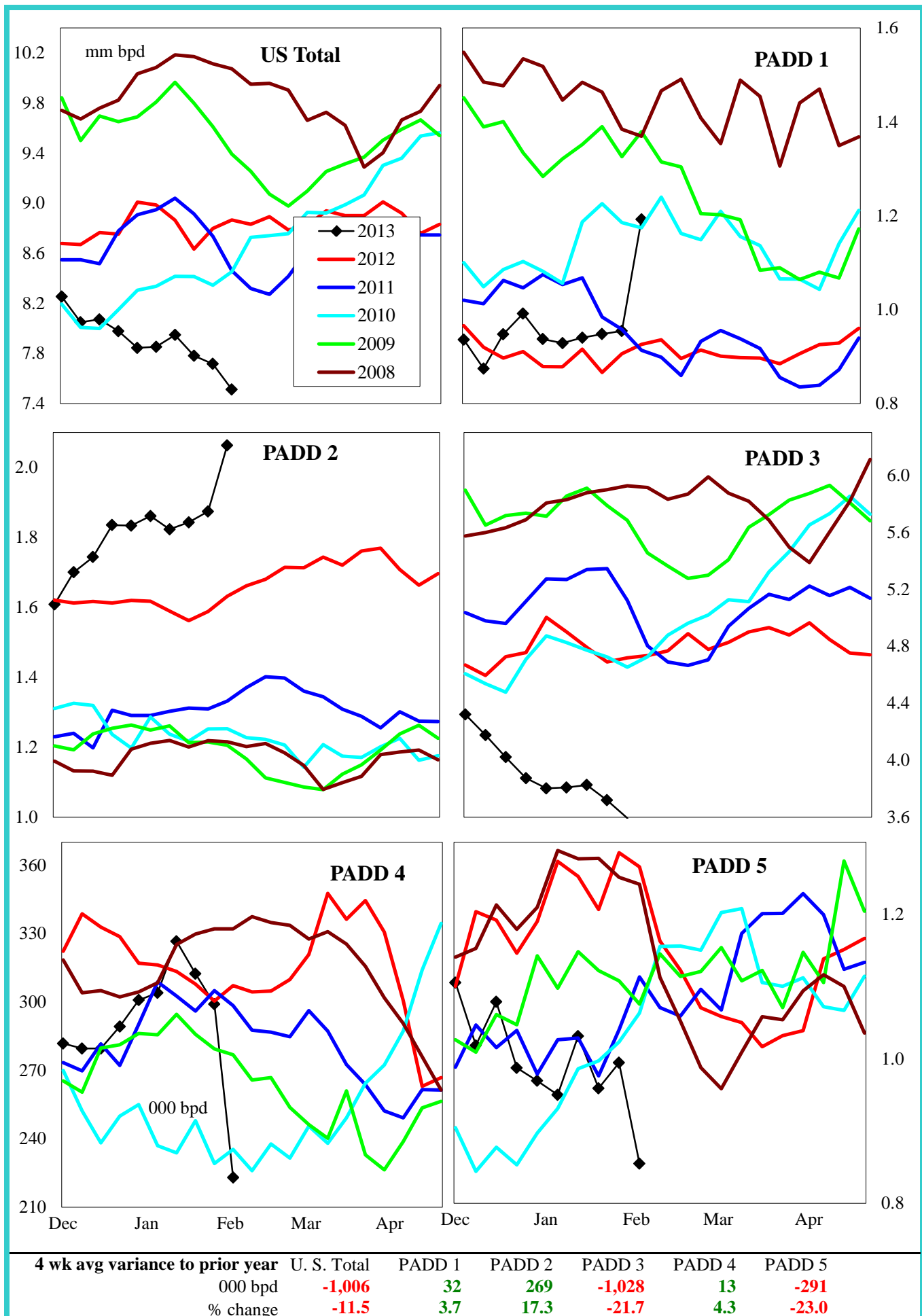


# United States Petroleum Imports

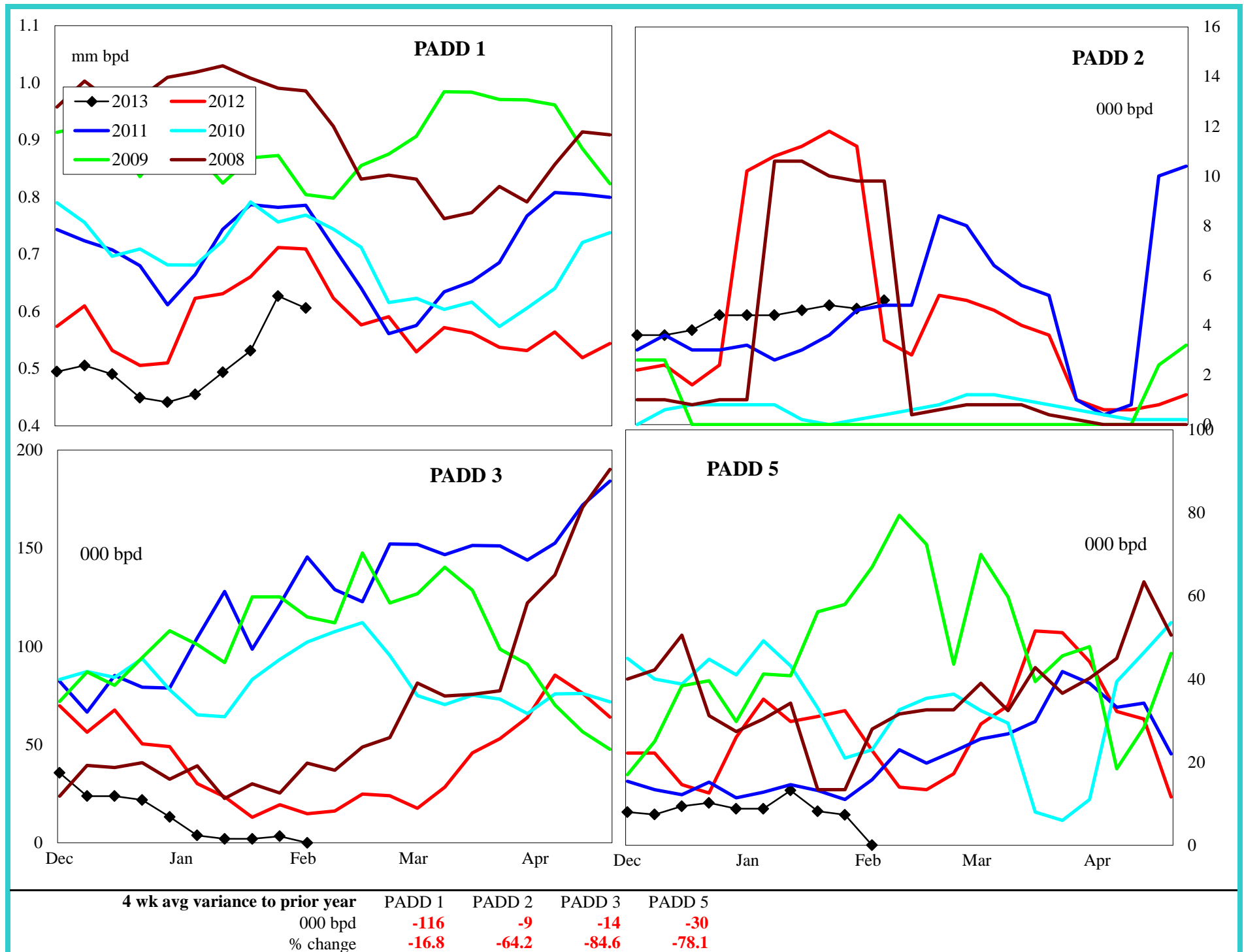




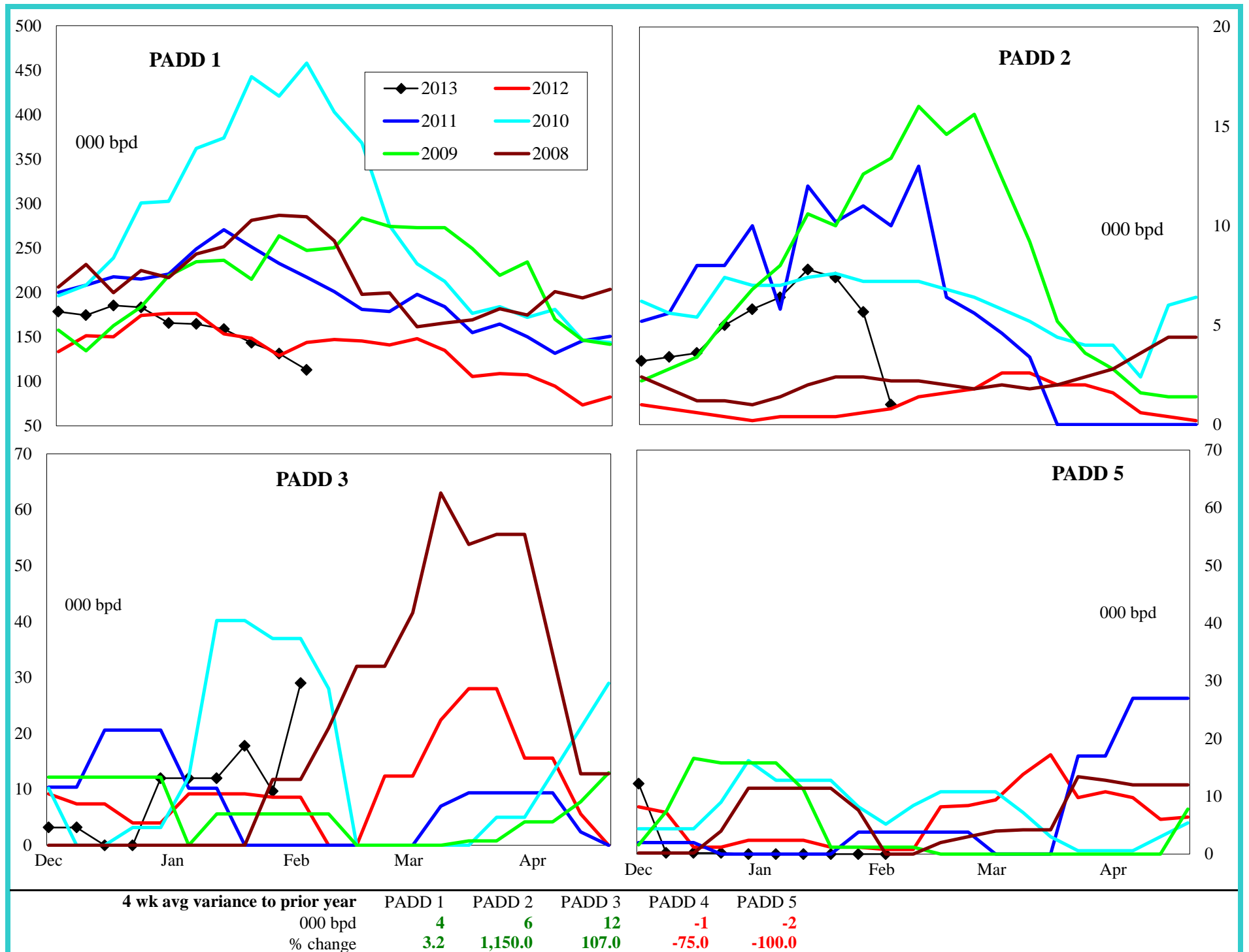
## Crude Oil Imports by PADD



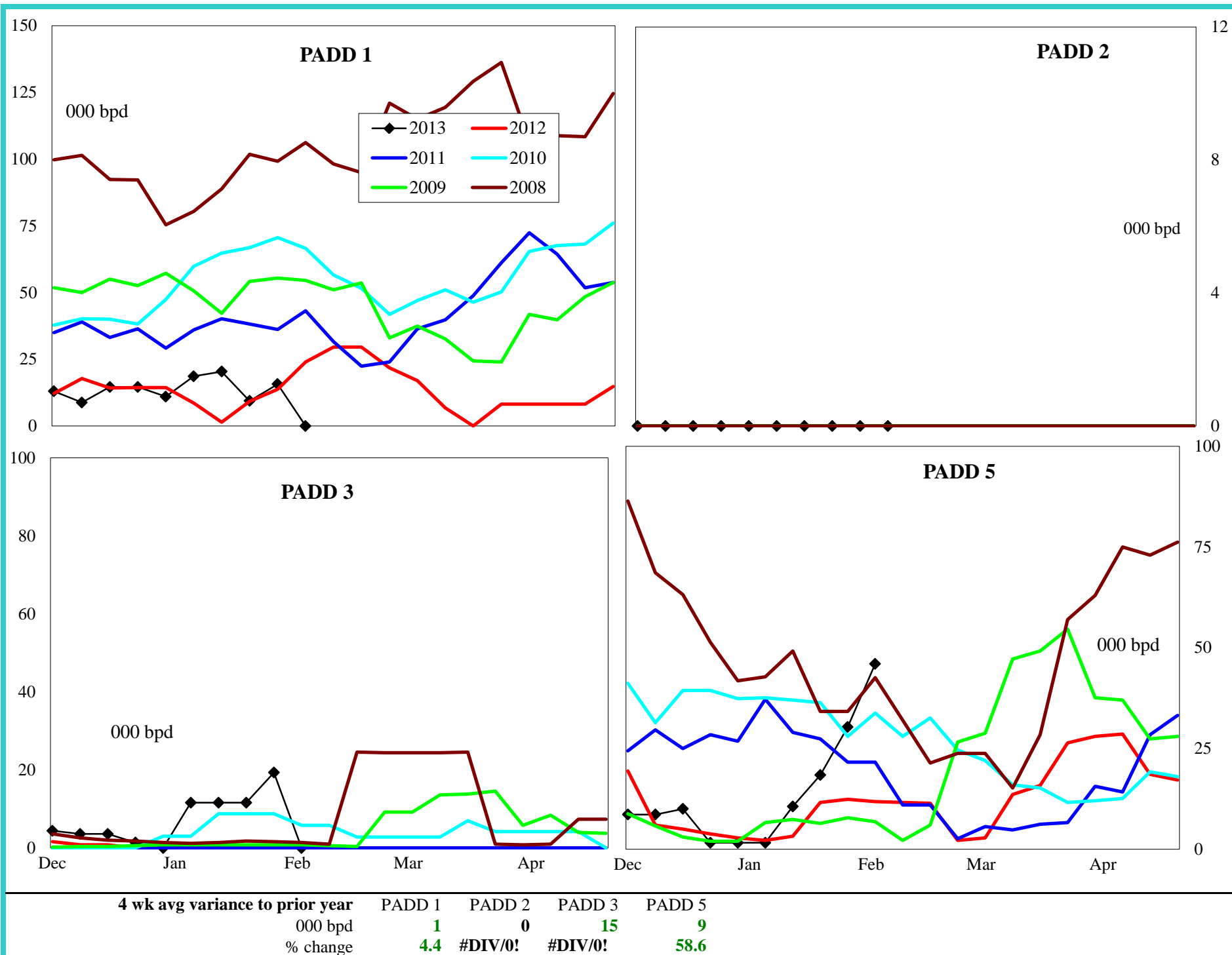
# Gasoline Imports by PADD (Finished + Blend Stocks)



# Distillate Imports by PADD

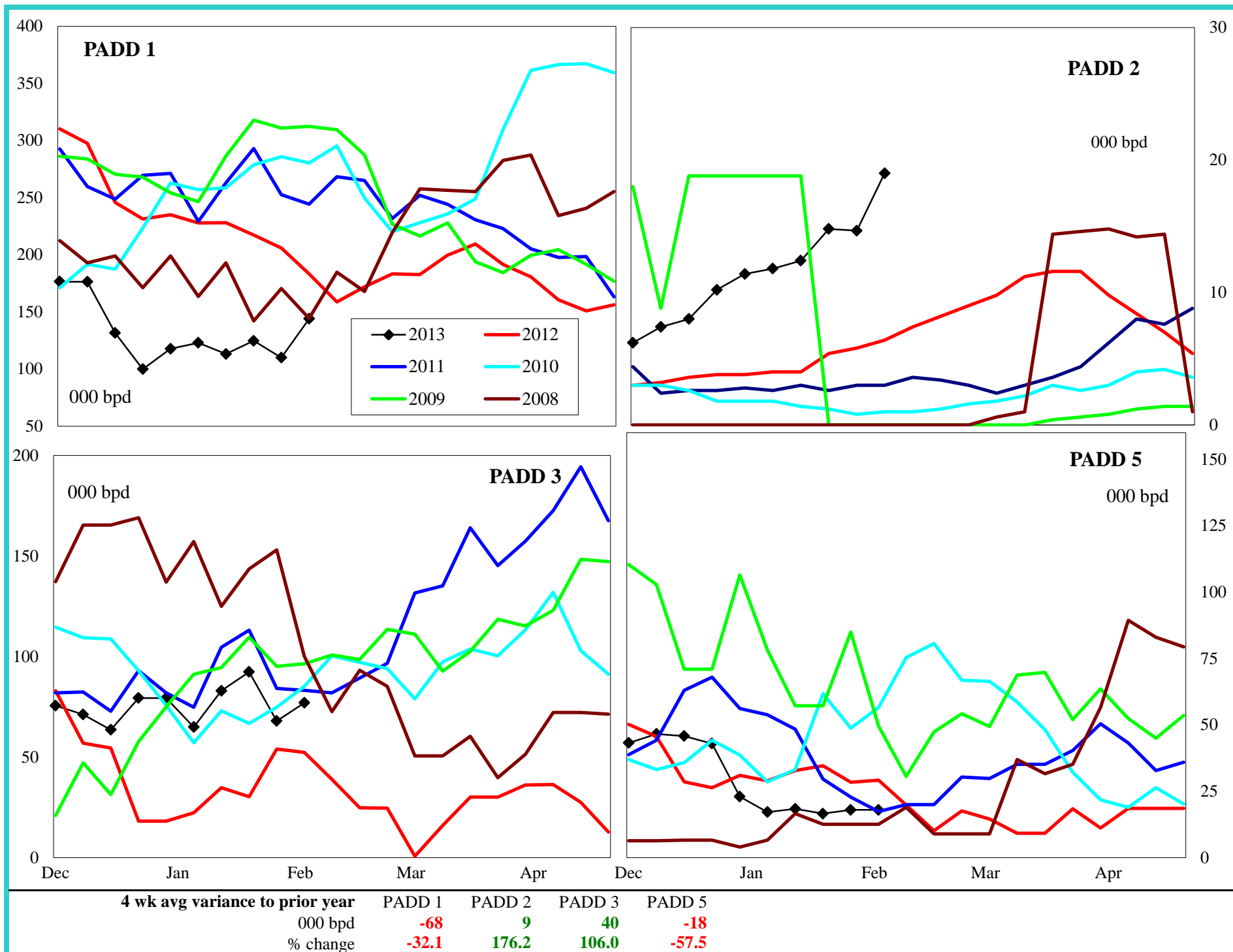


# Jet Fuel Imports by PADD

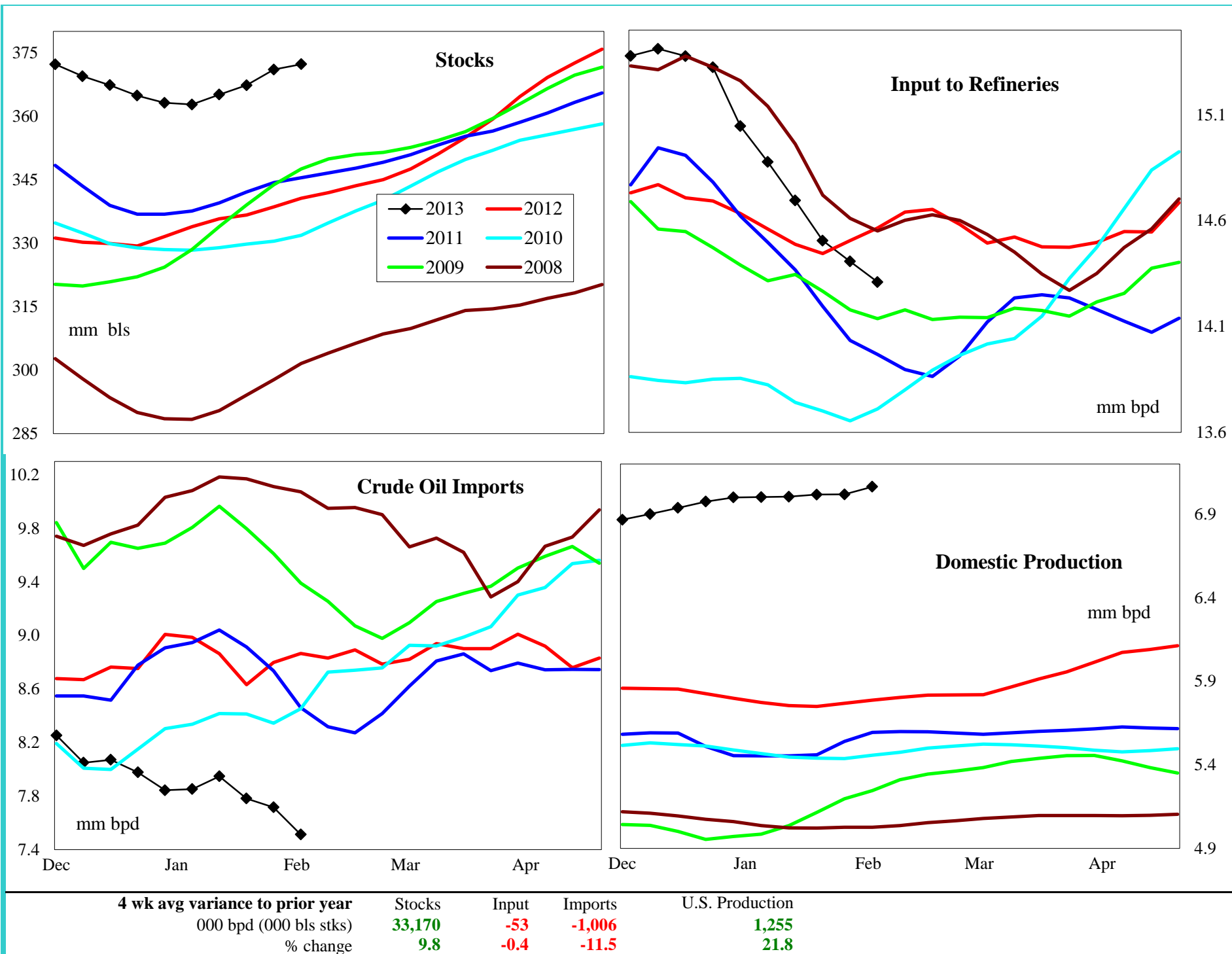




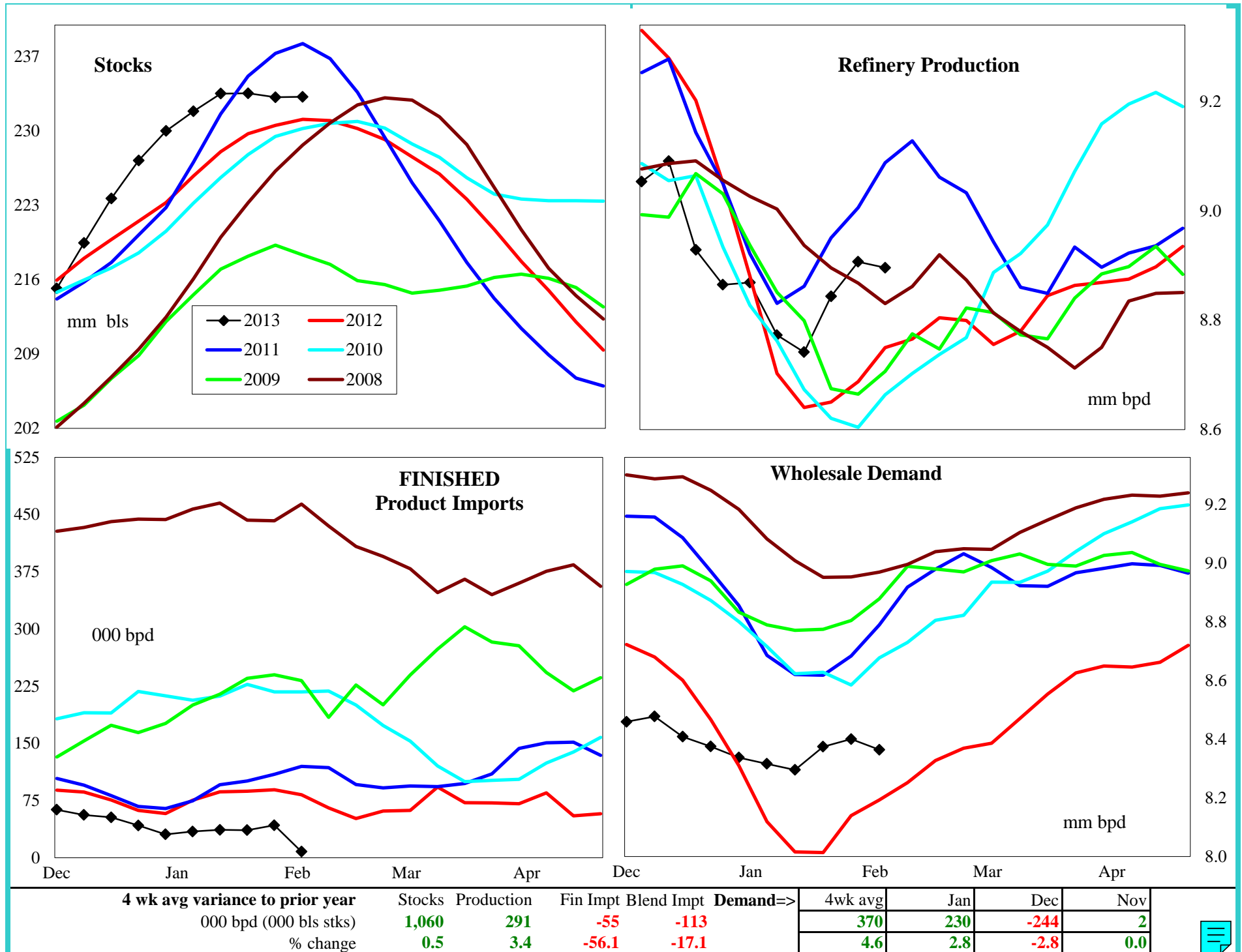
## Residual Fuel Oil Imports by PADD



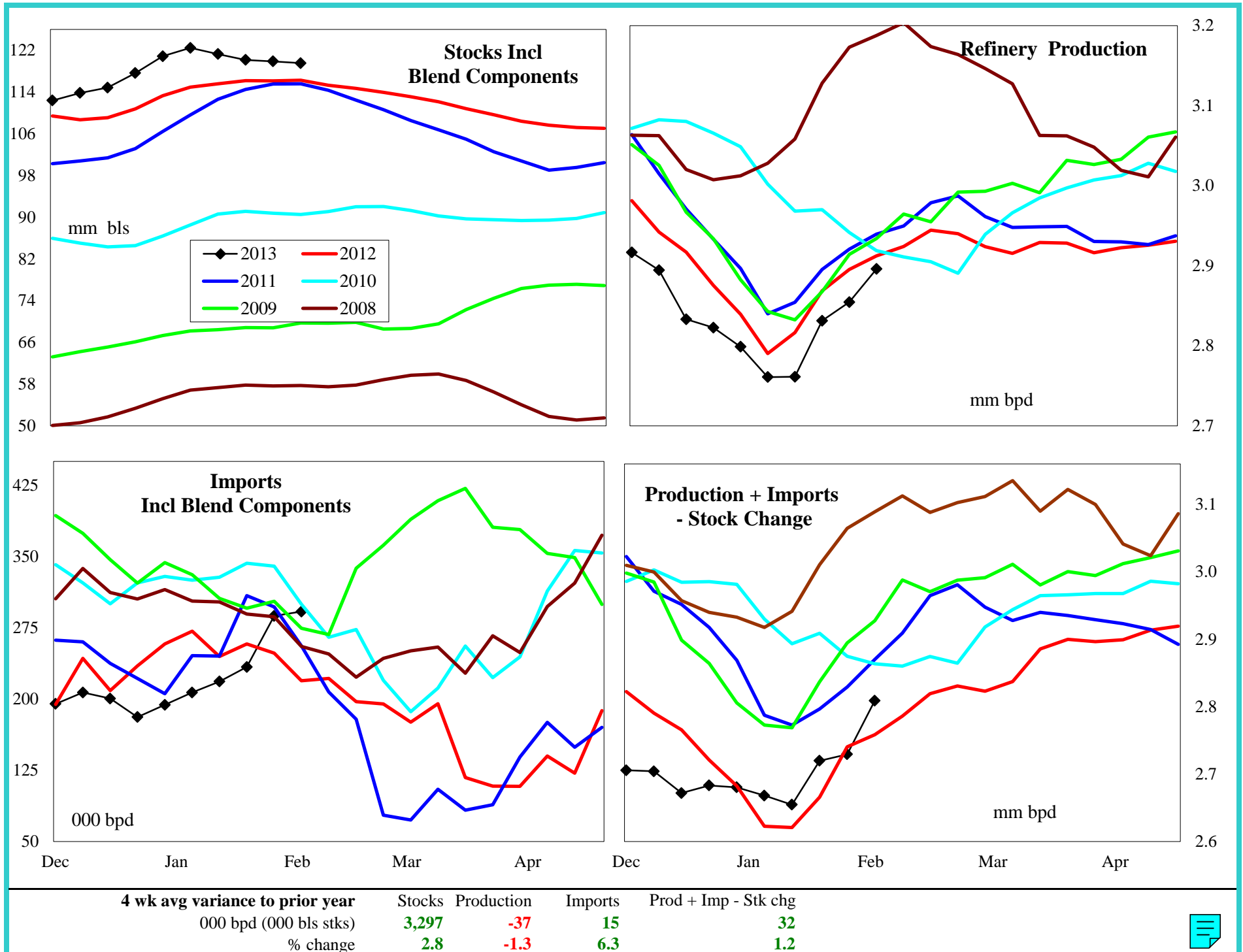
# United States Crude Oil Supply and Demand Balance



# United States Gasoline Supply and Demand Balance

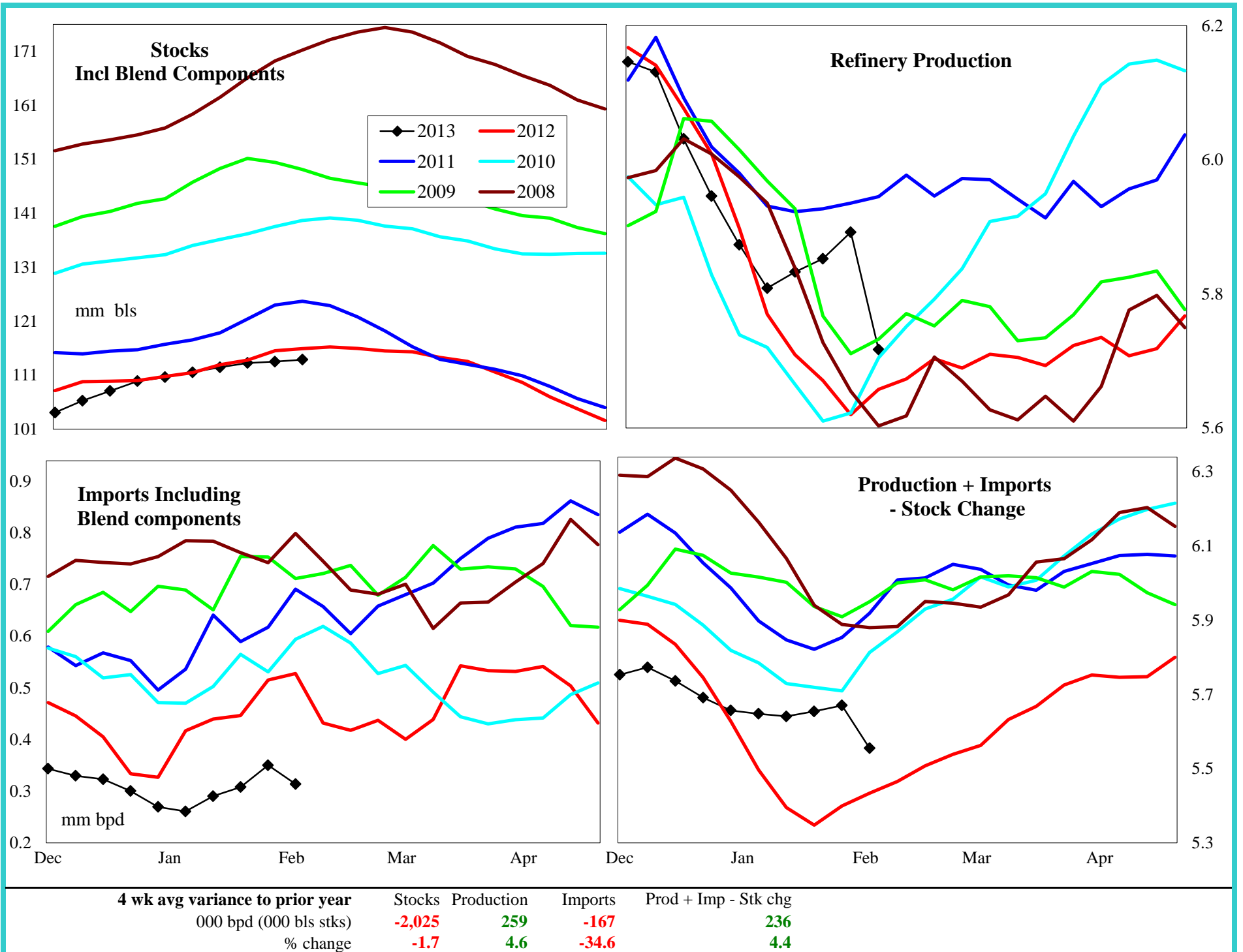


# United States Reformulated Gasoline Supply

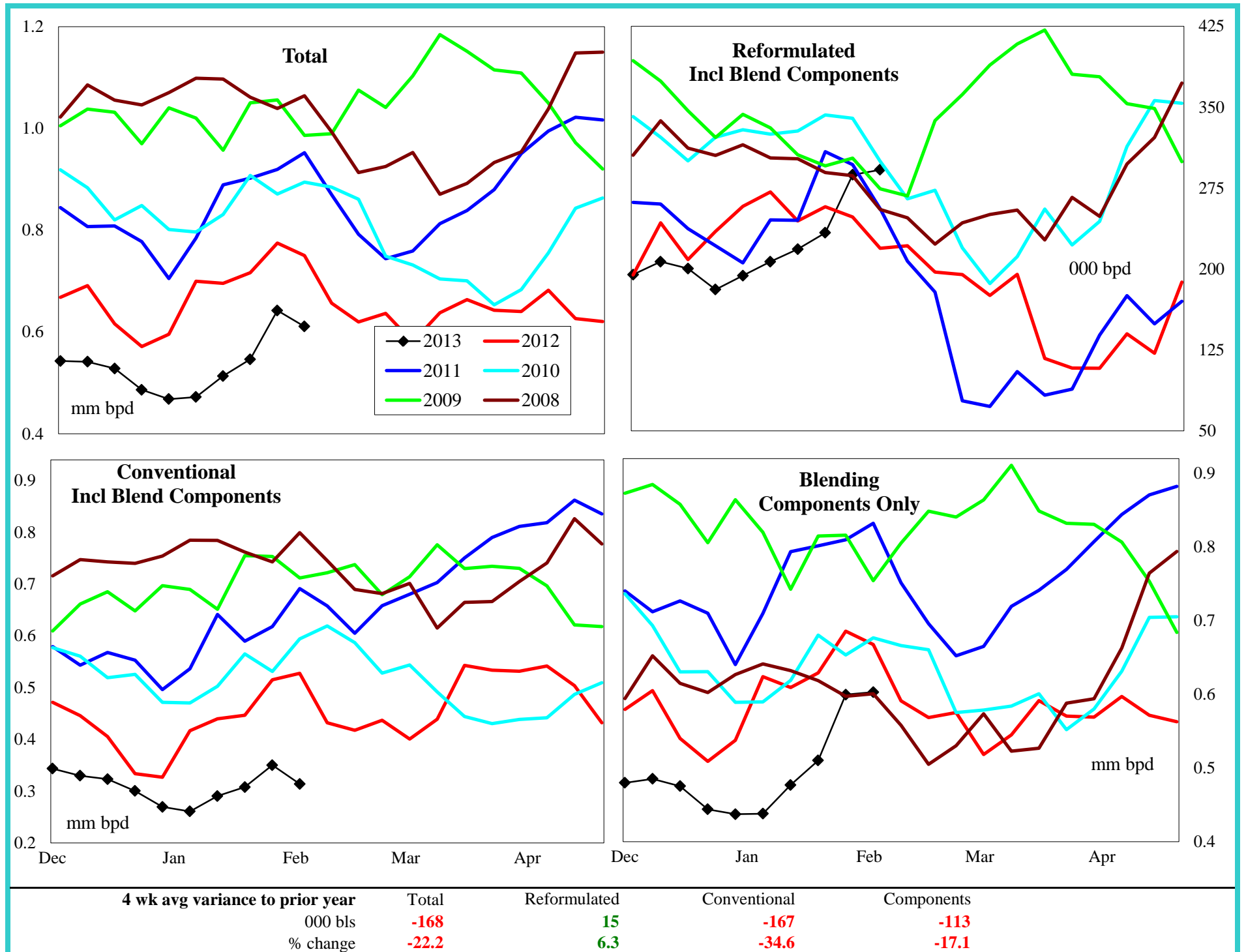




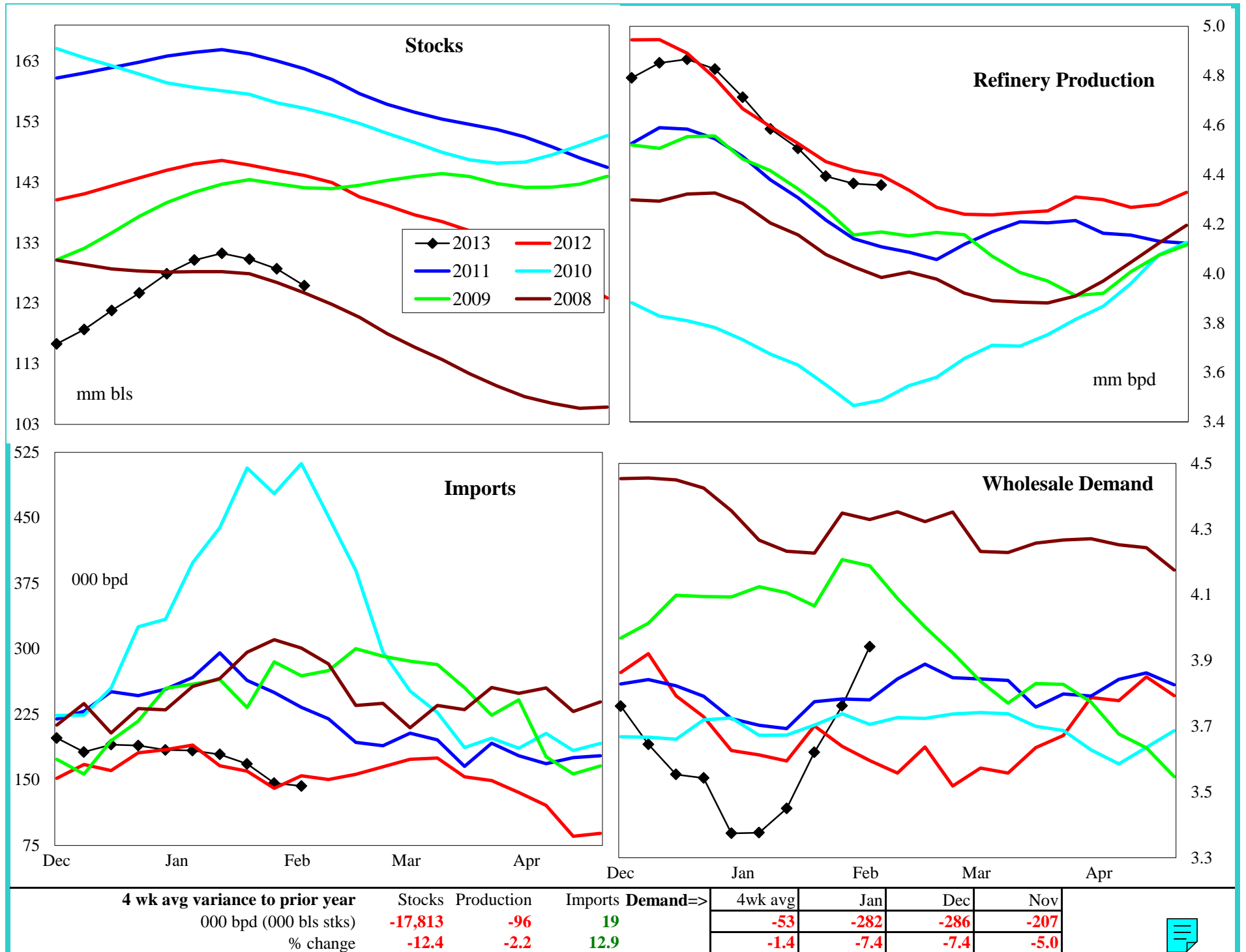
# United States Conventional Gasoline Supply



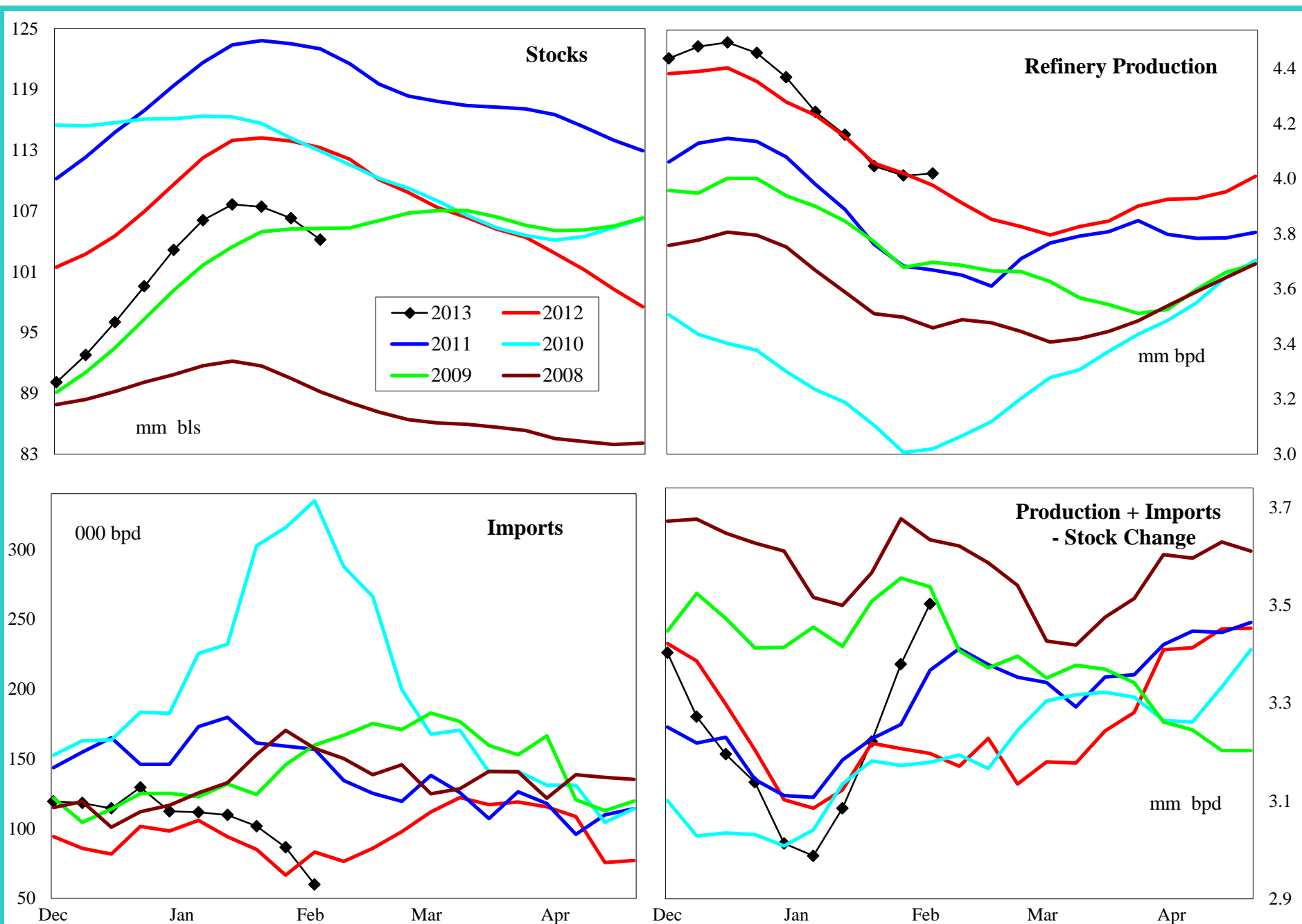
# United States Gasoline Imports by Type



# United States Distillate Supply and Demand Balance



# United States Low Sulfur Distillate Supply



**4 wk avg variance to prior year**

000 bpd (000 bls stks)

% change

Stocks

-9,046

-8.0

Production

-31

-0.8

Imports

14

20.1

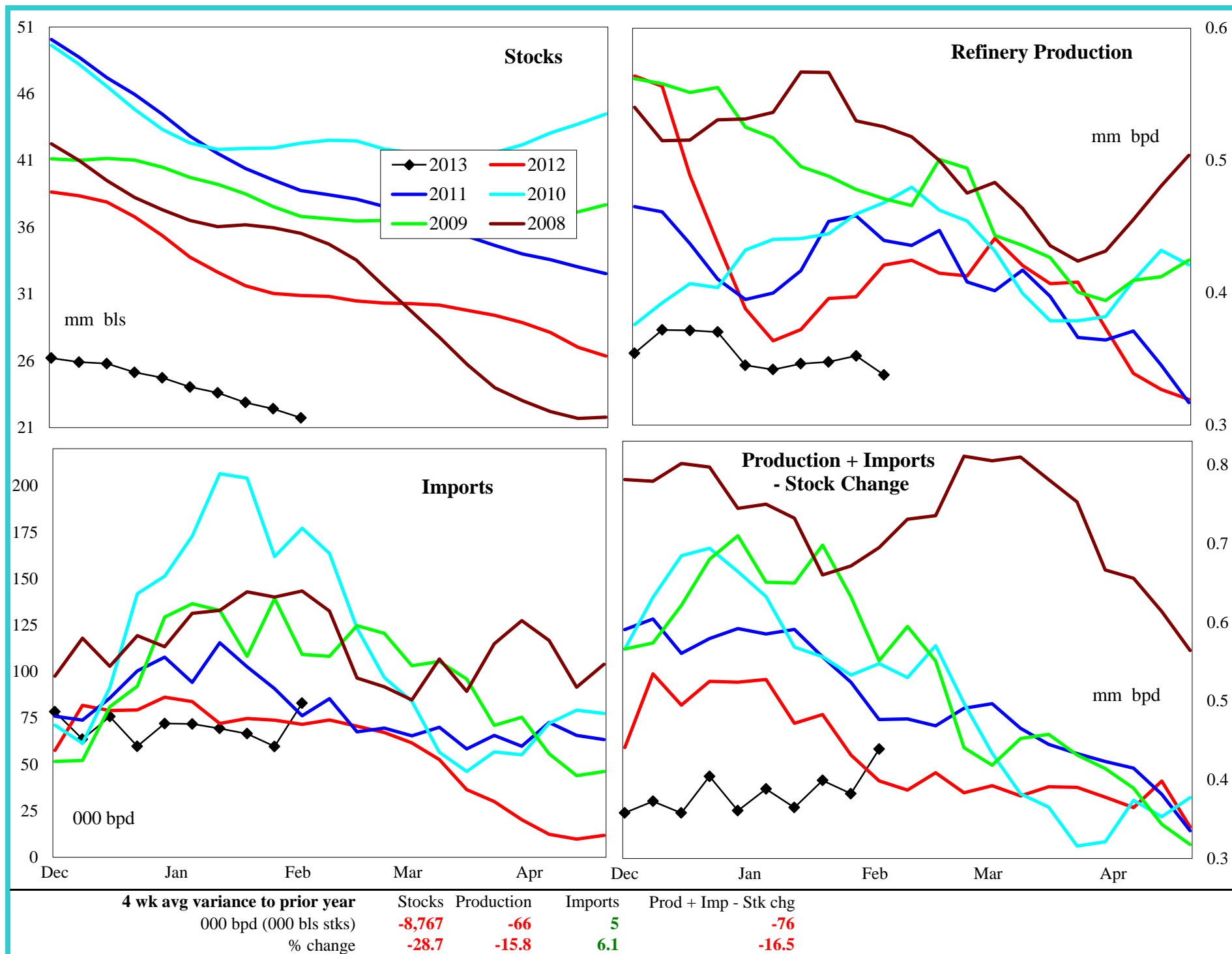
Prod + Imp - Stk chg

24

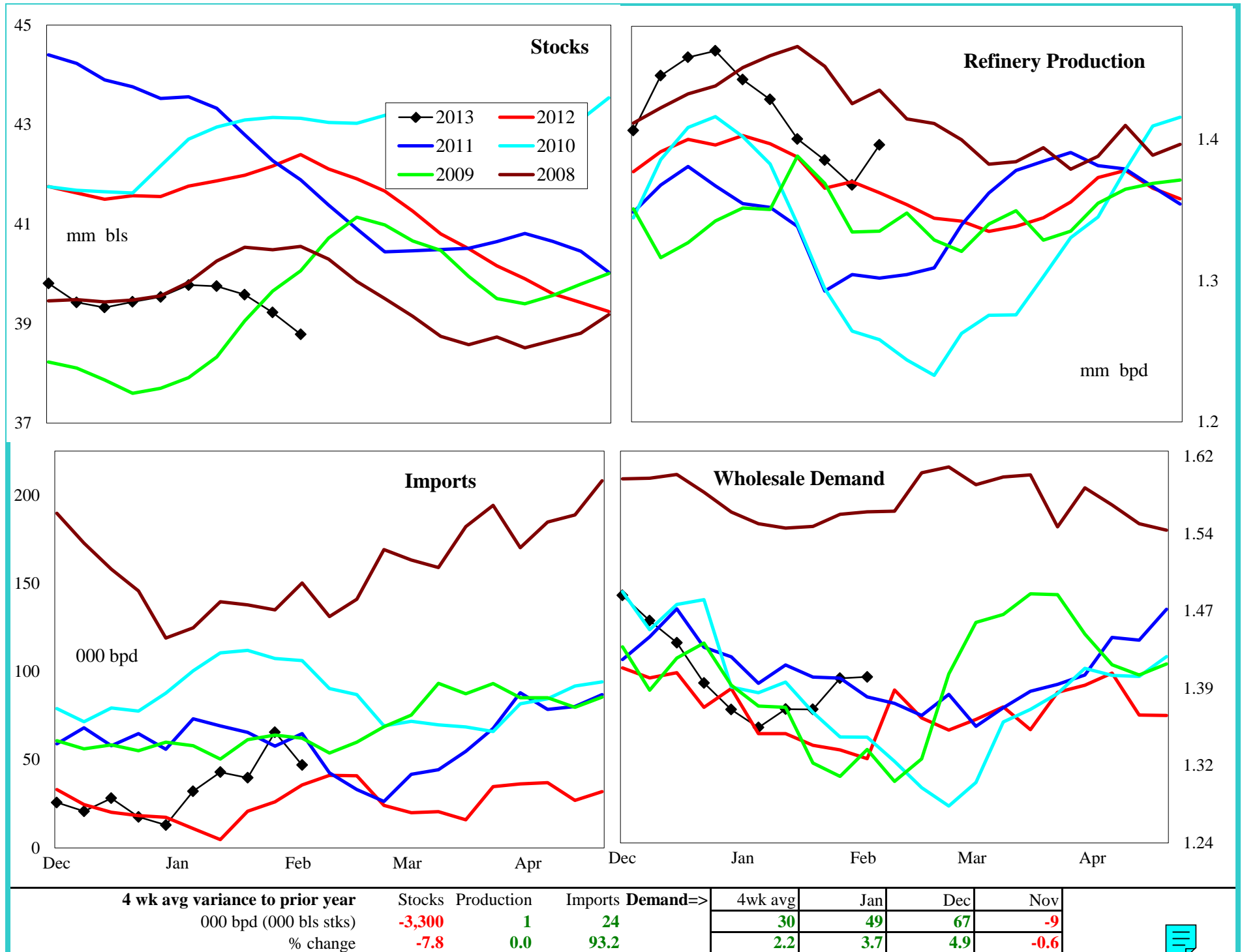
0.7



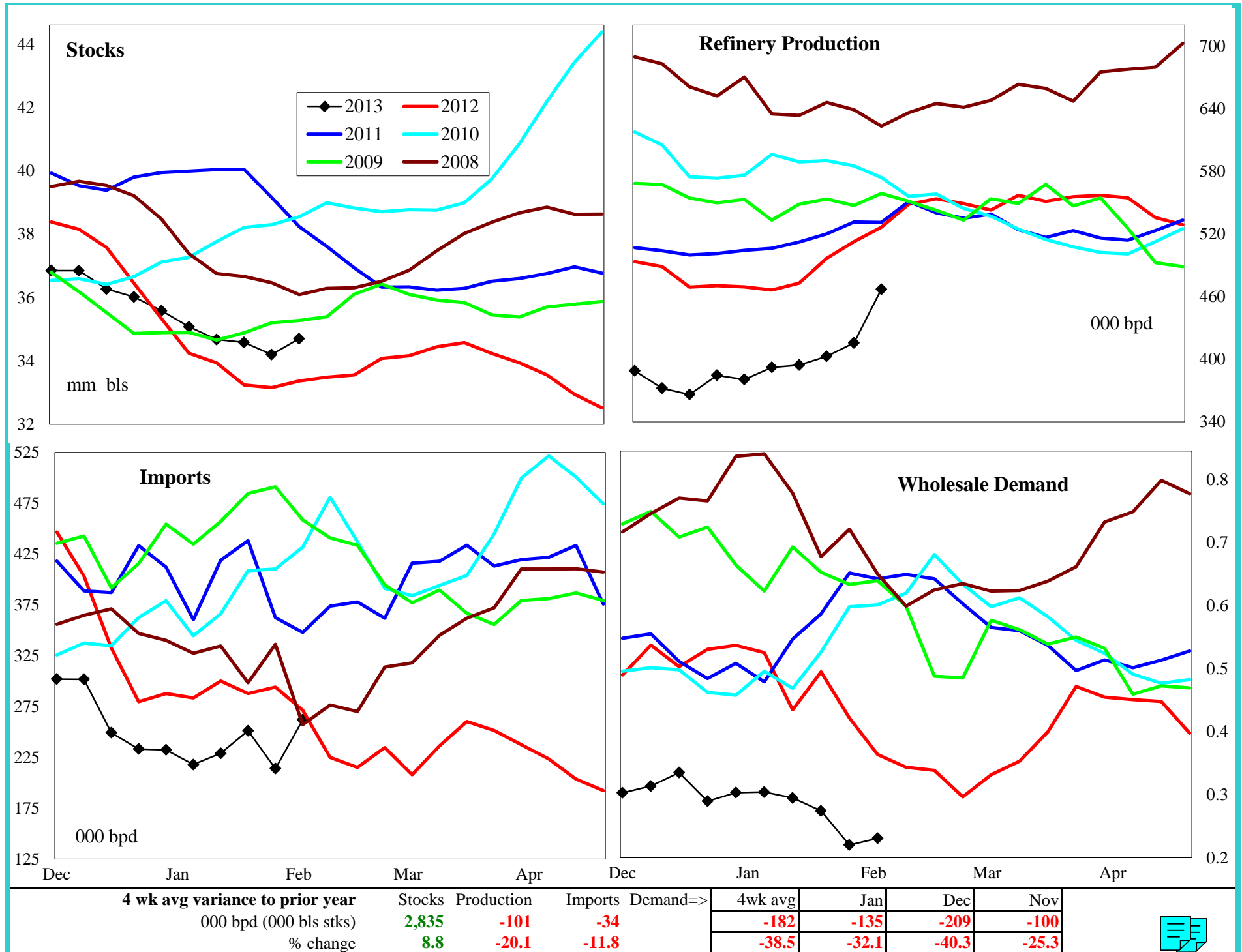
# United States High Sulfur Distillate Supply



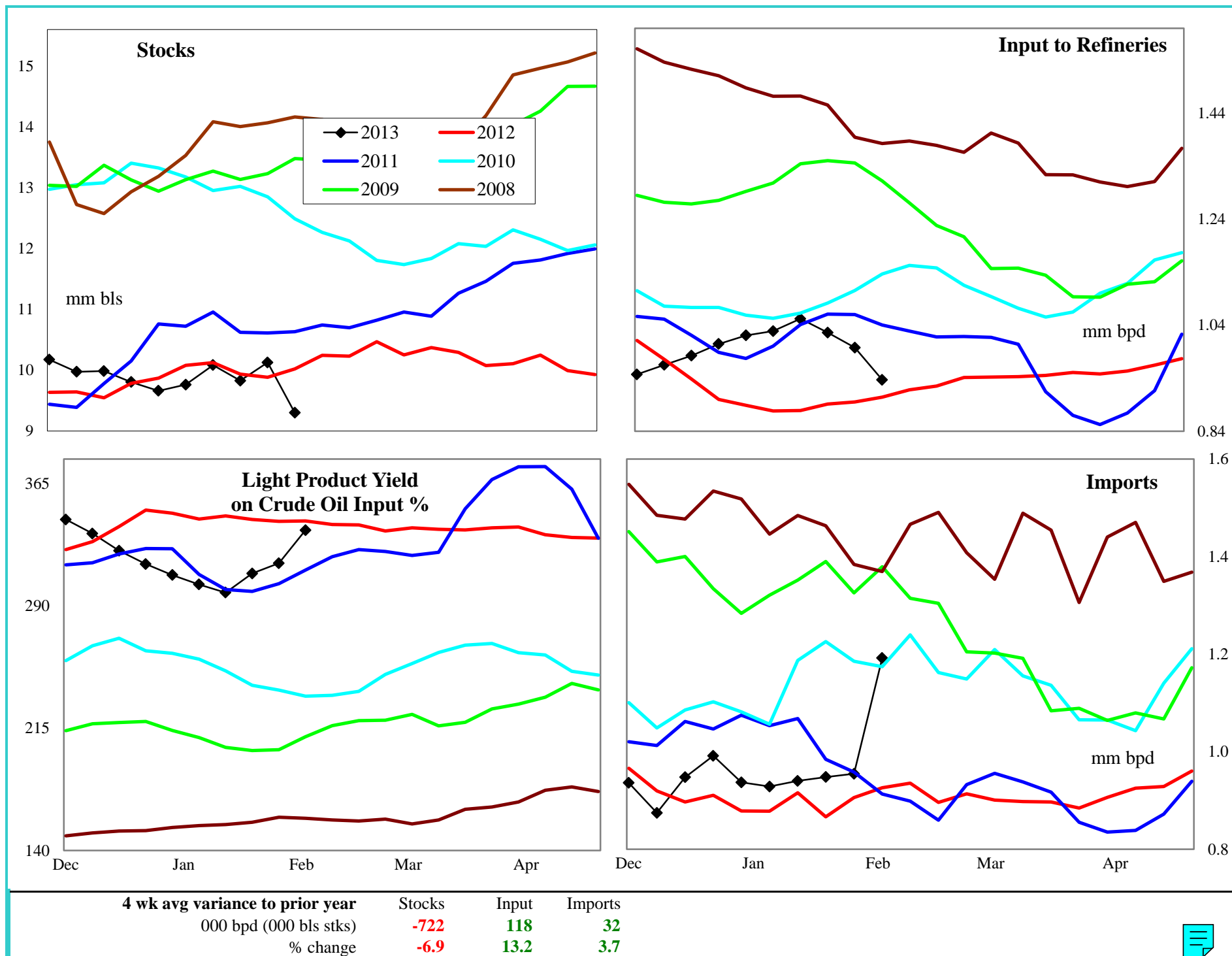
# United States Jet Fuel Supply and Demand Balance



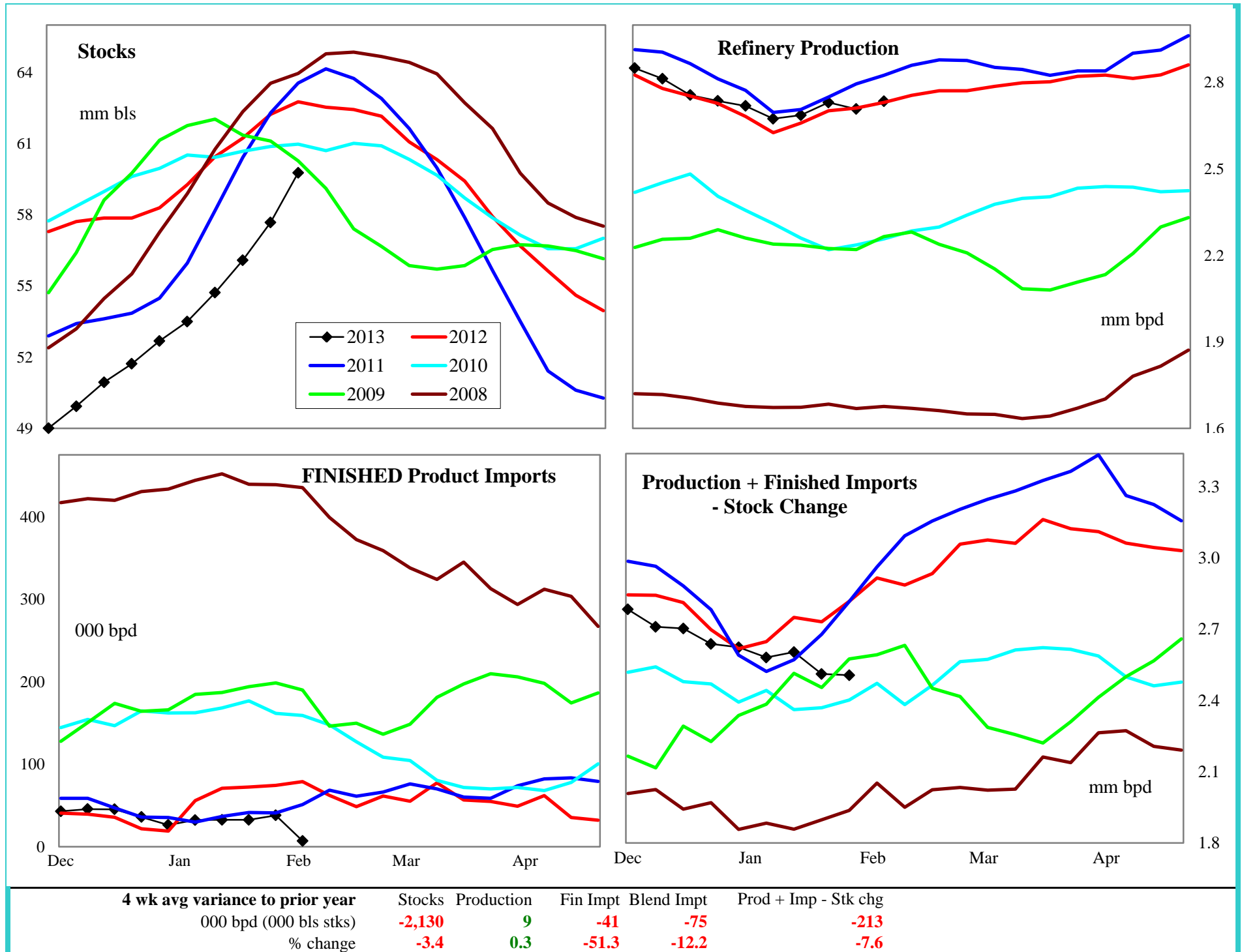
# United States Residual Fuel Oil Supply and Demand Balance



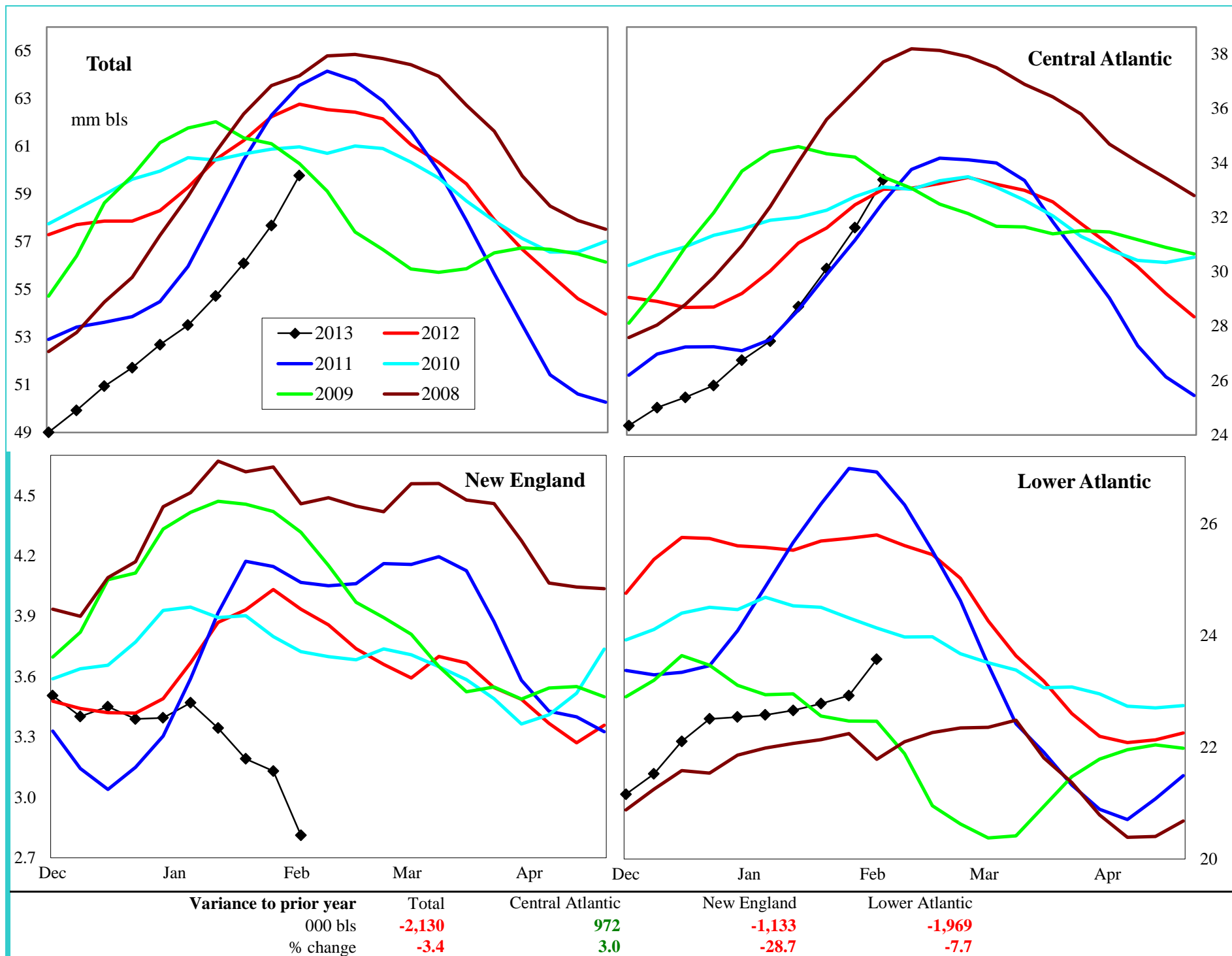
# PADD 1 Crude Oil Supply and Refining



## PADD 1 Gasoline Supply

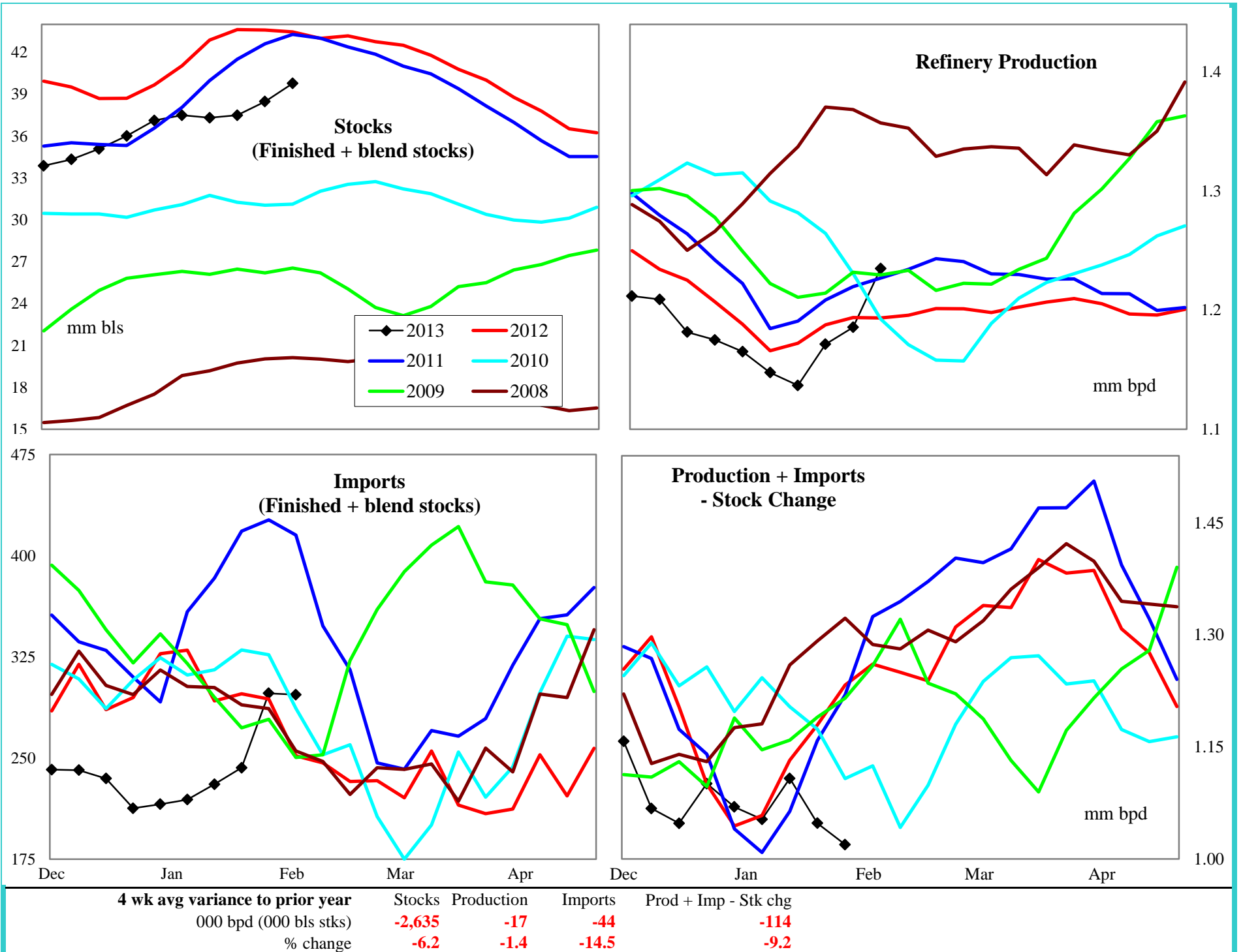


## PADD 1 Gasoline Stocks by Region

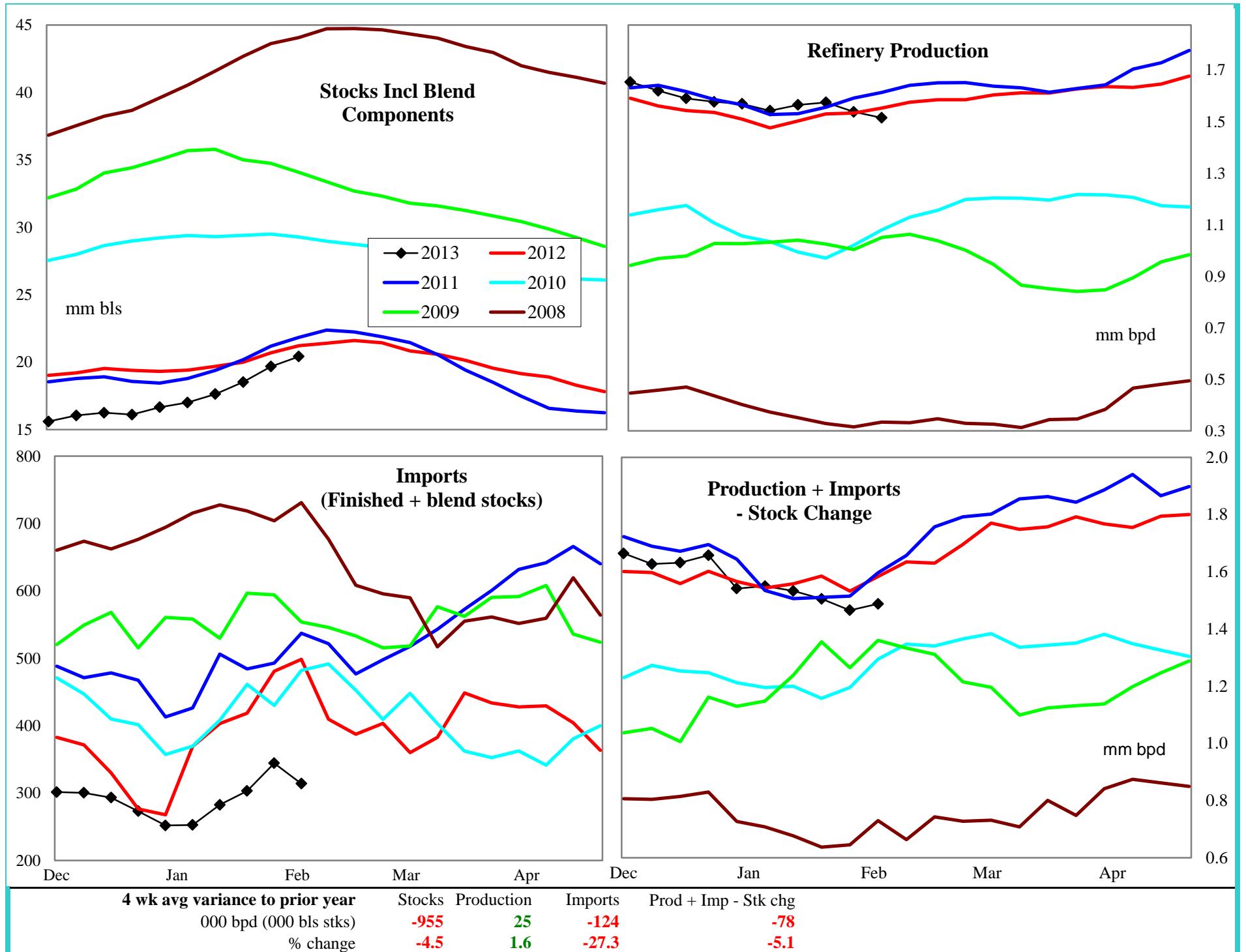




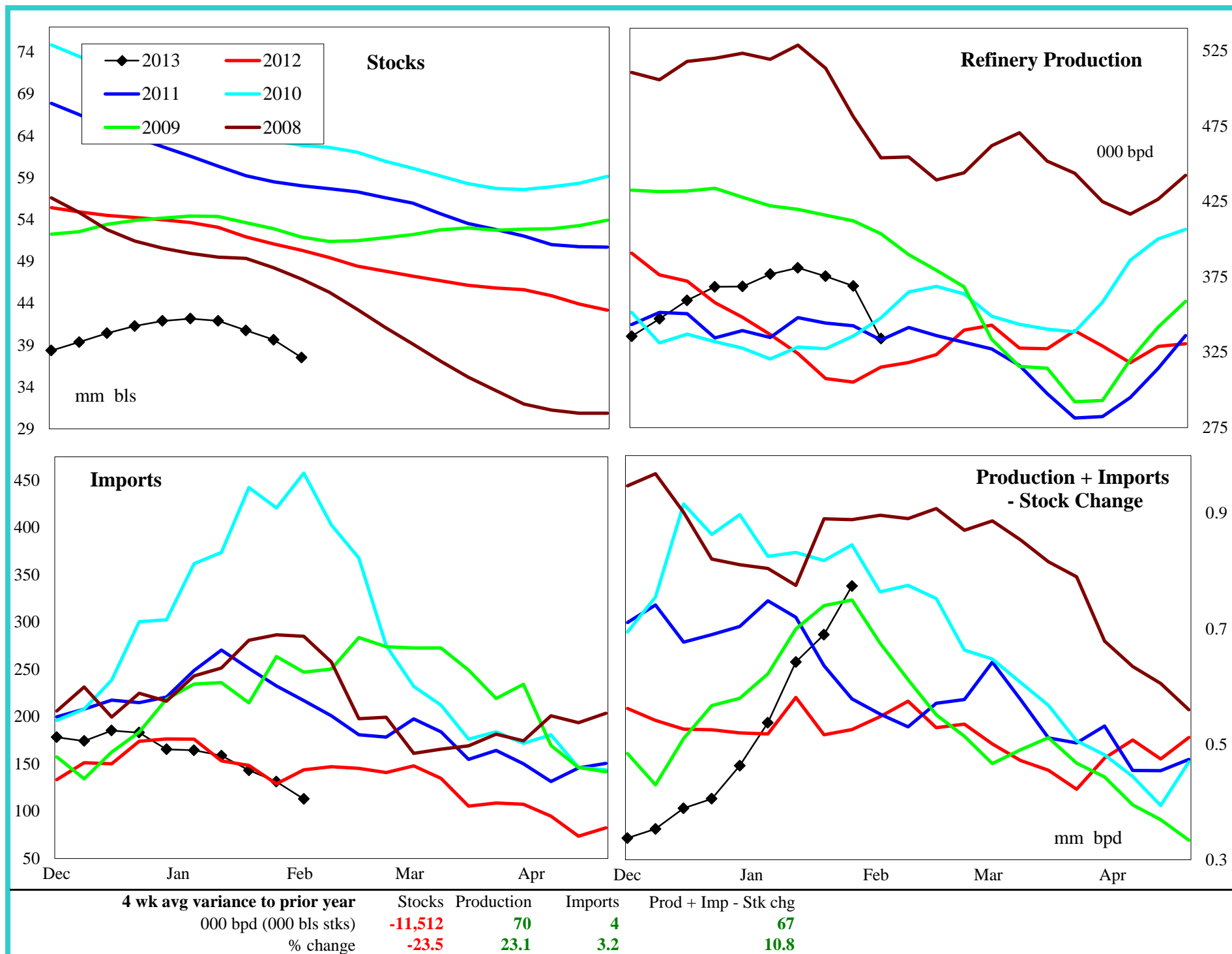
# PADD 1 Reformulated Gasoline Supply



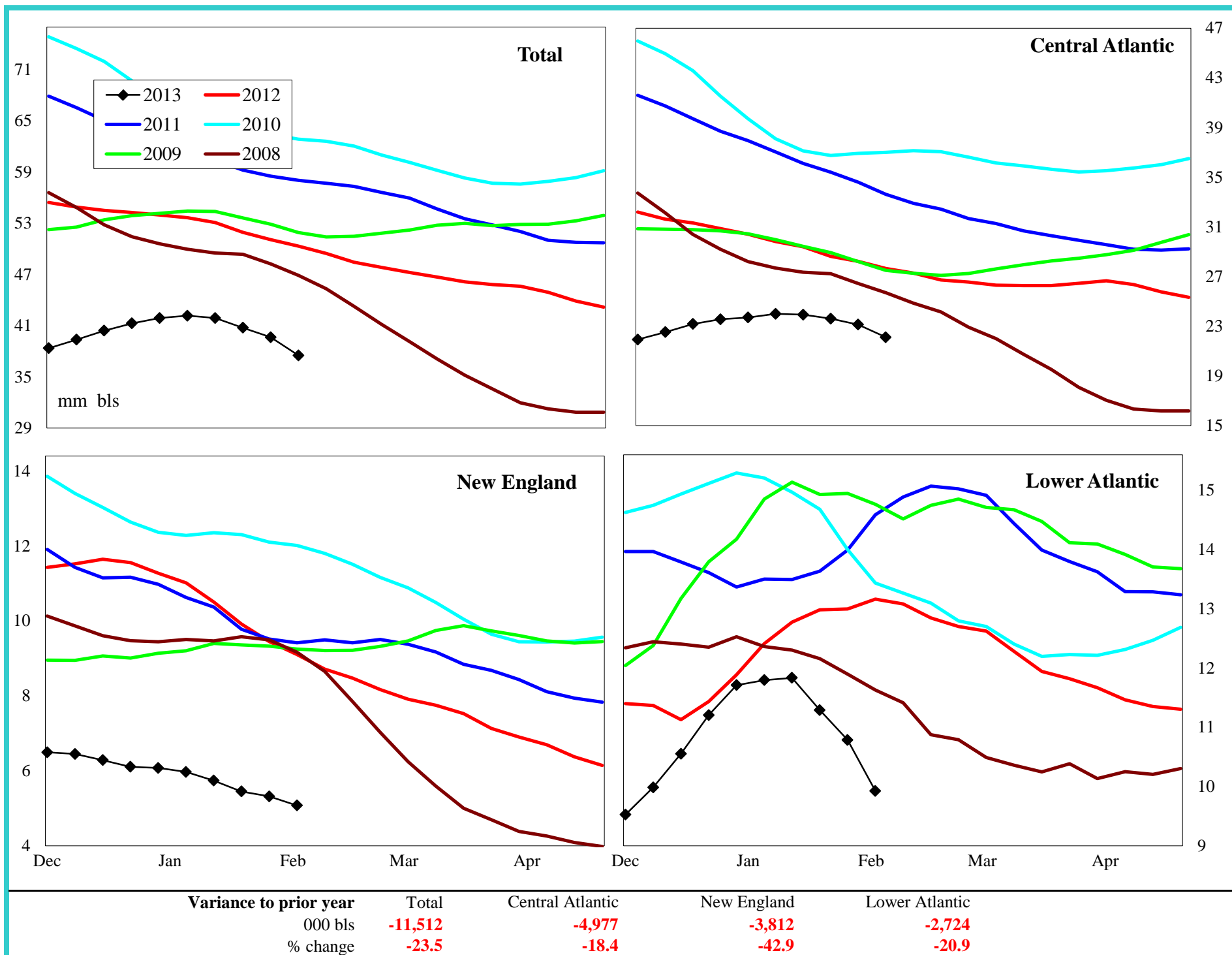
# PADD 1 Conventional Gasoline Supply



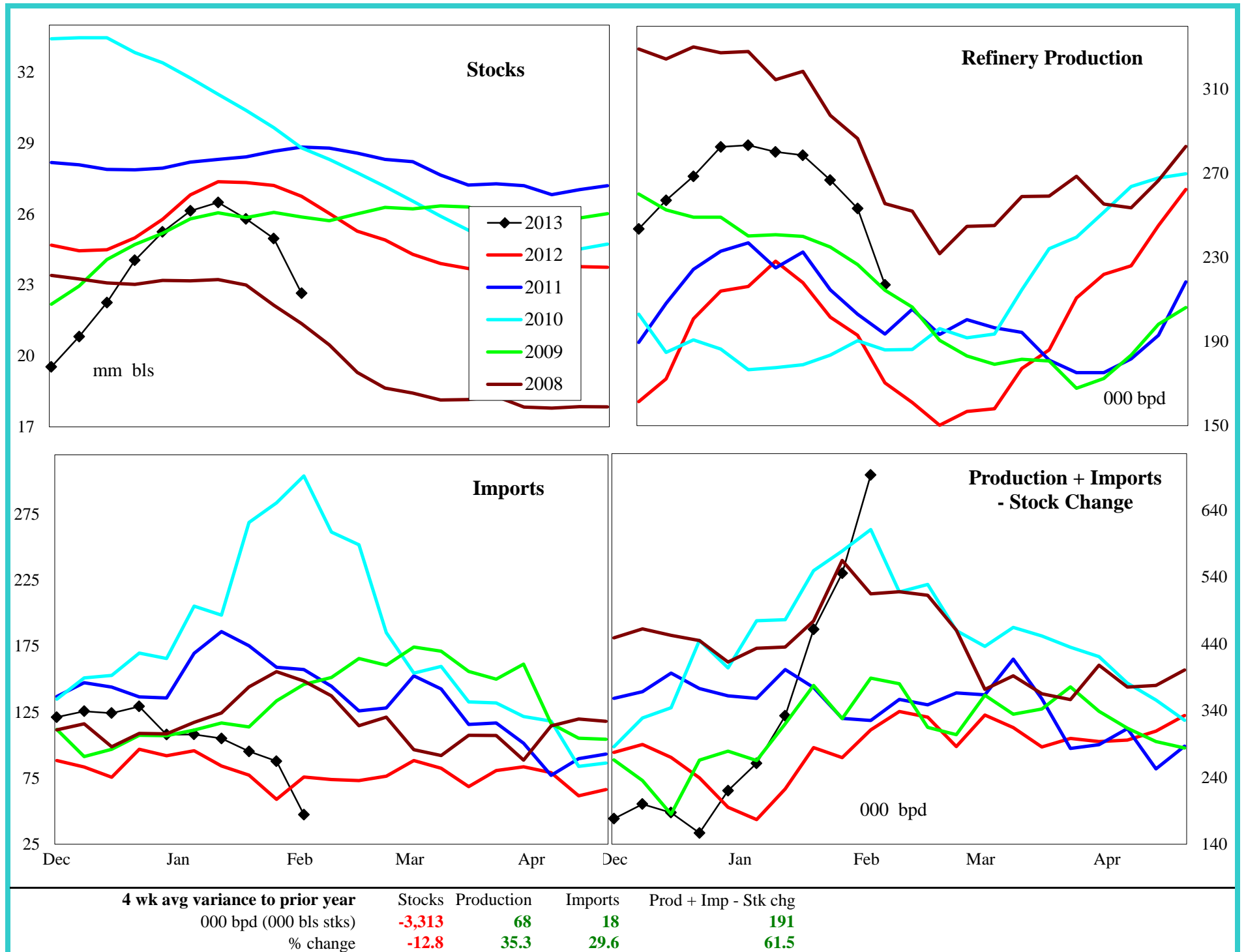
## PADD 1 Distillate Supply



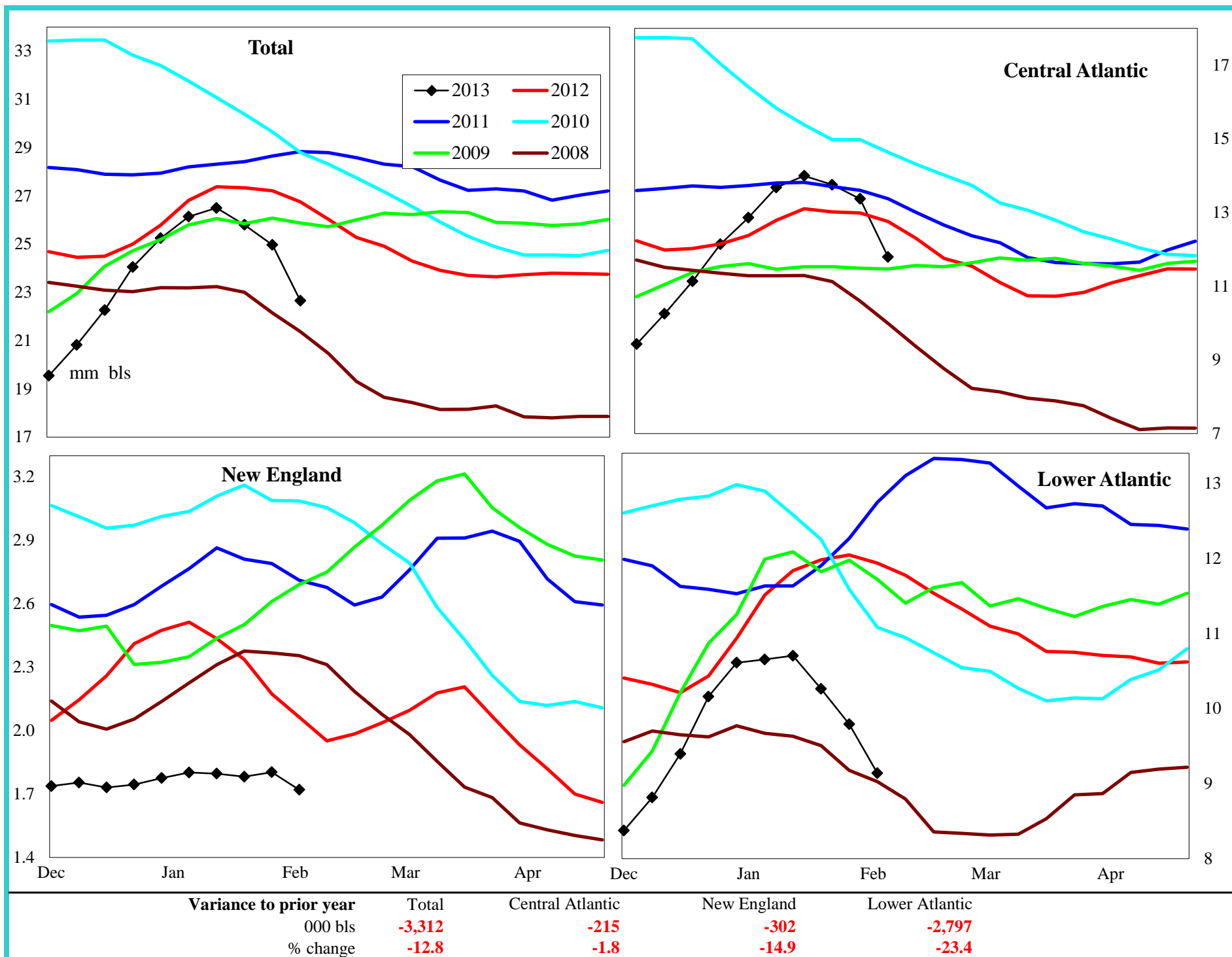
# PADD 1 Distillate Stocks by Region



# PADD 1 Low Sulfur Distillate Supply

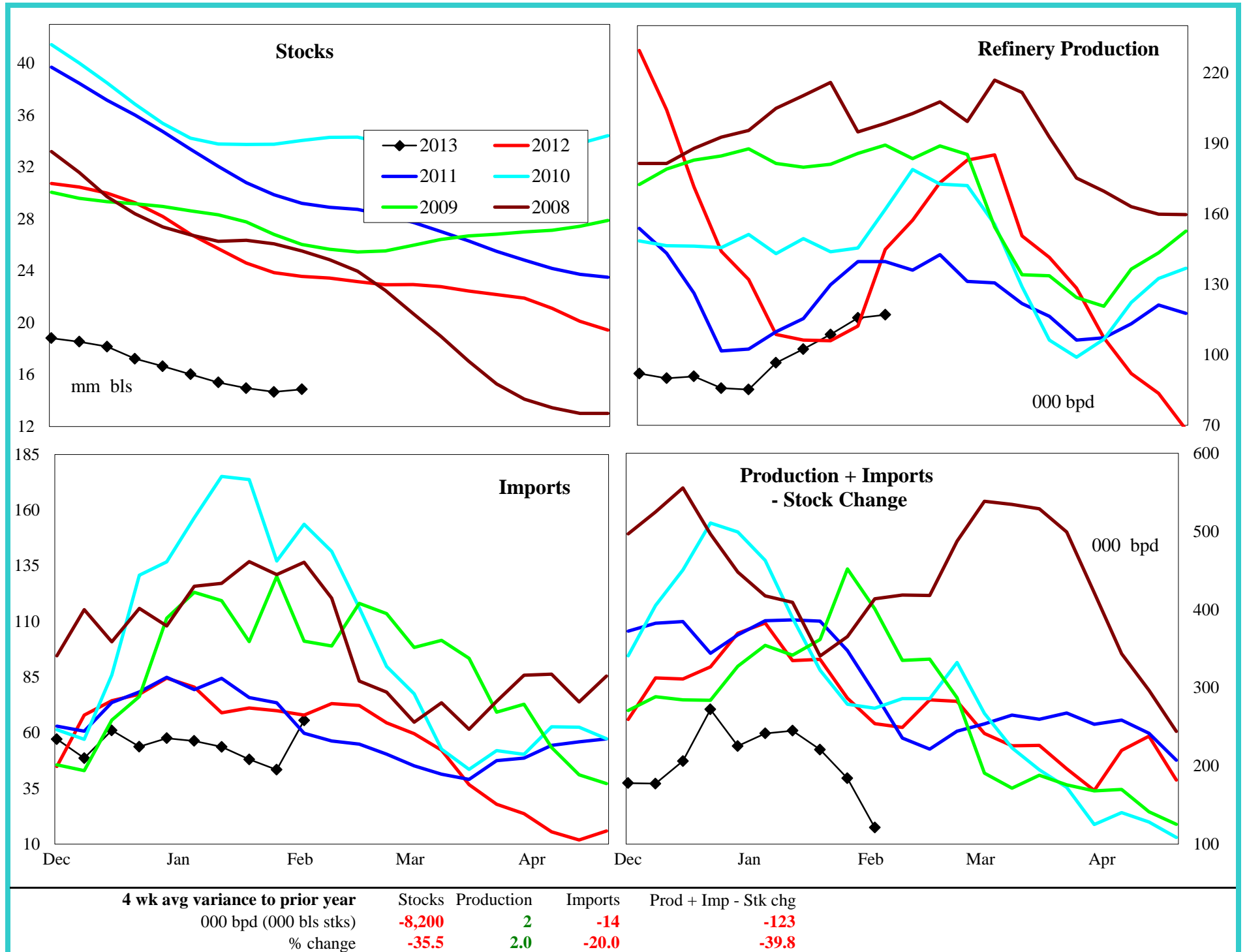


# PADD 1 Low Sulfur Distillate Stocks by Region

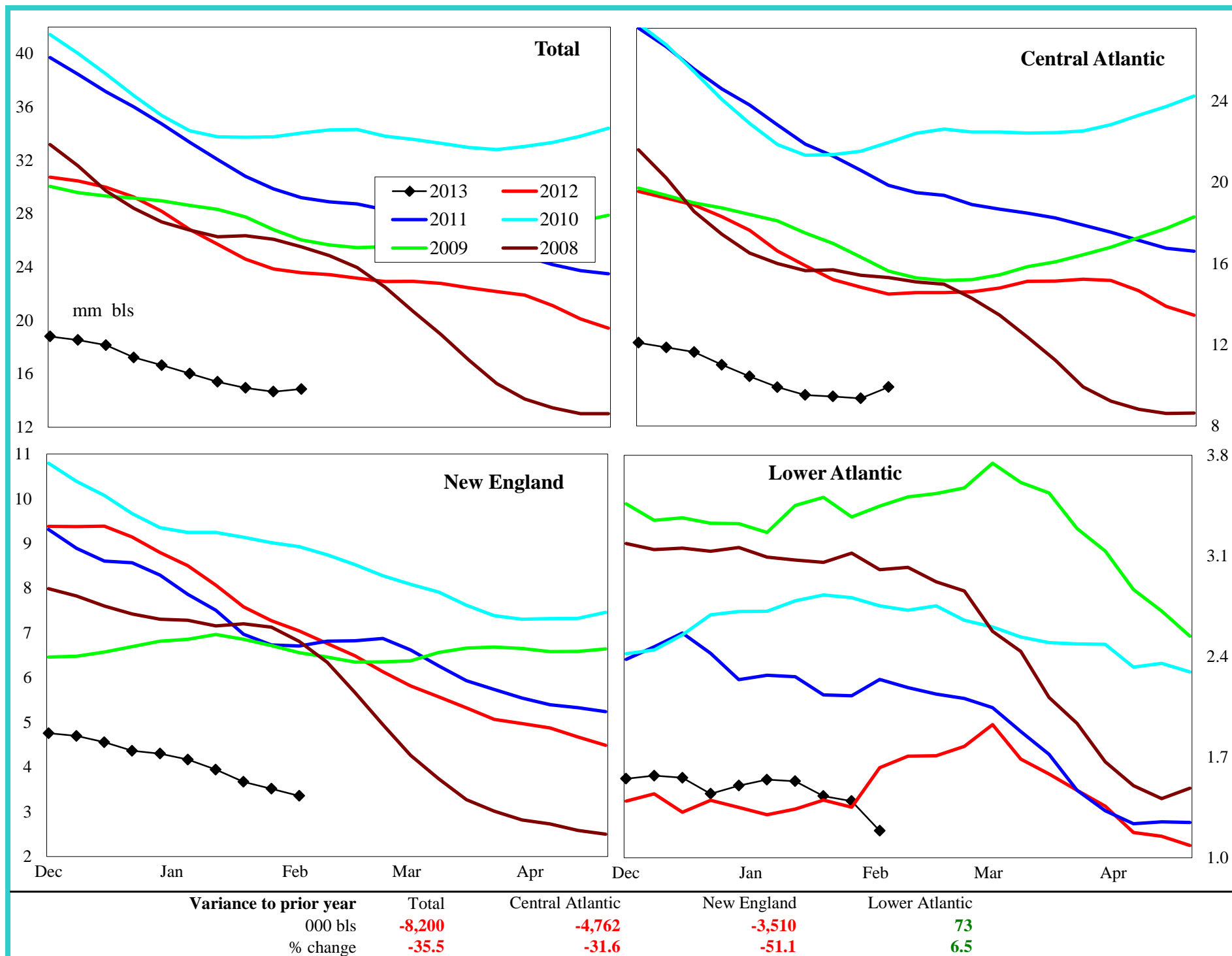




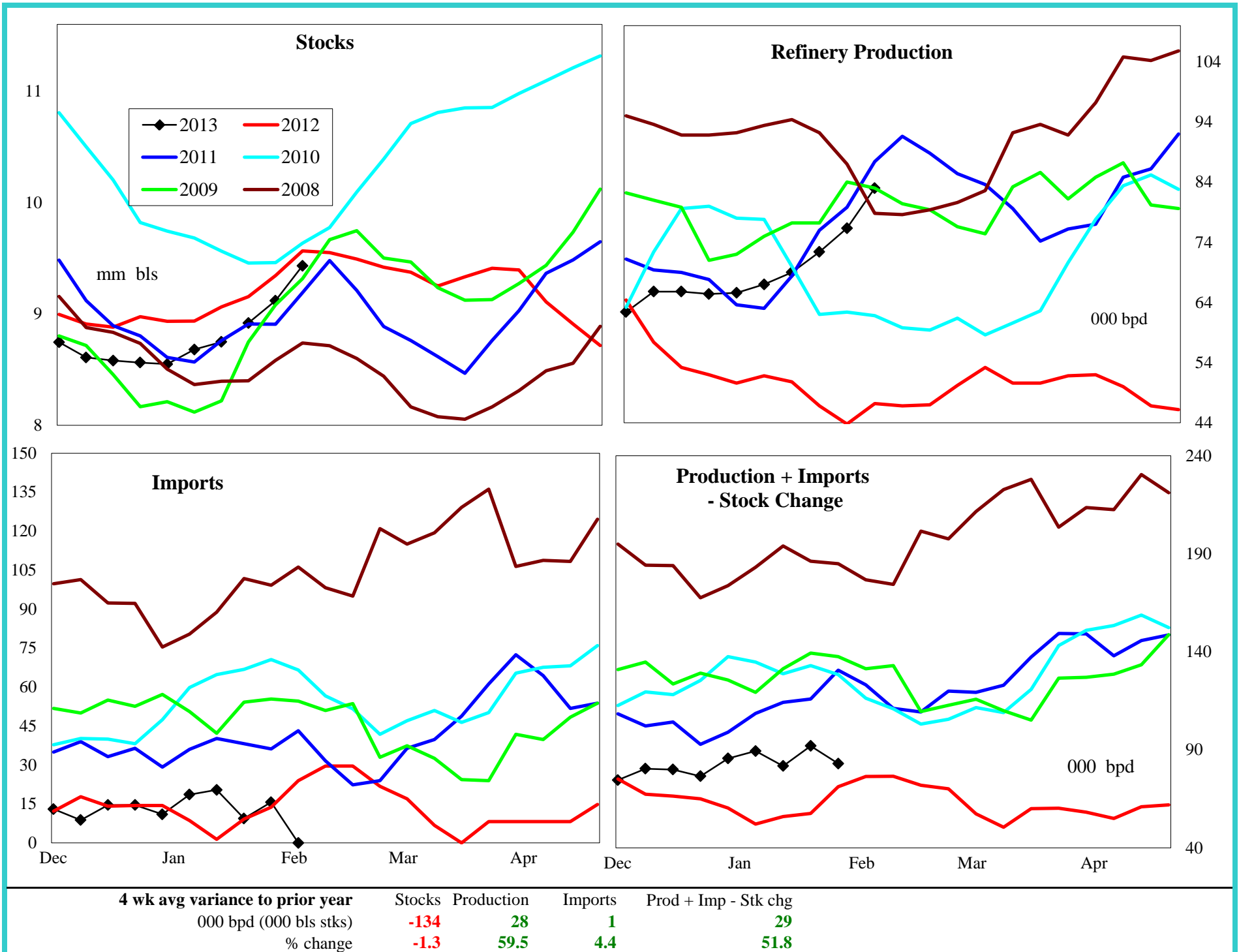
# PADD 1 High Sulfur Distillate Supply



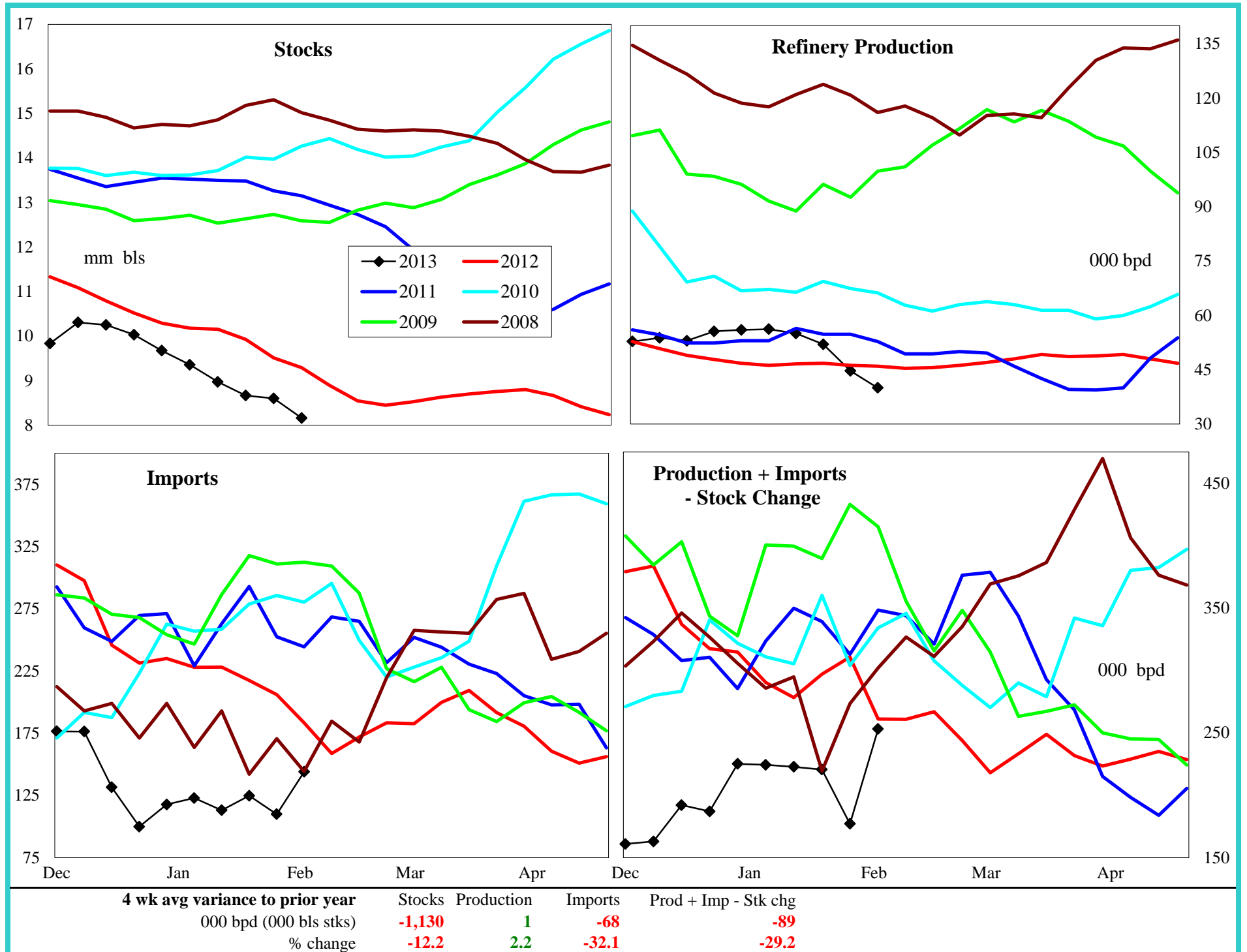
# PADD 1 High Sulfur Distillate Stocks by Region



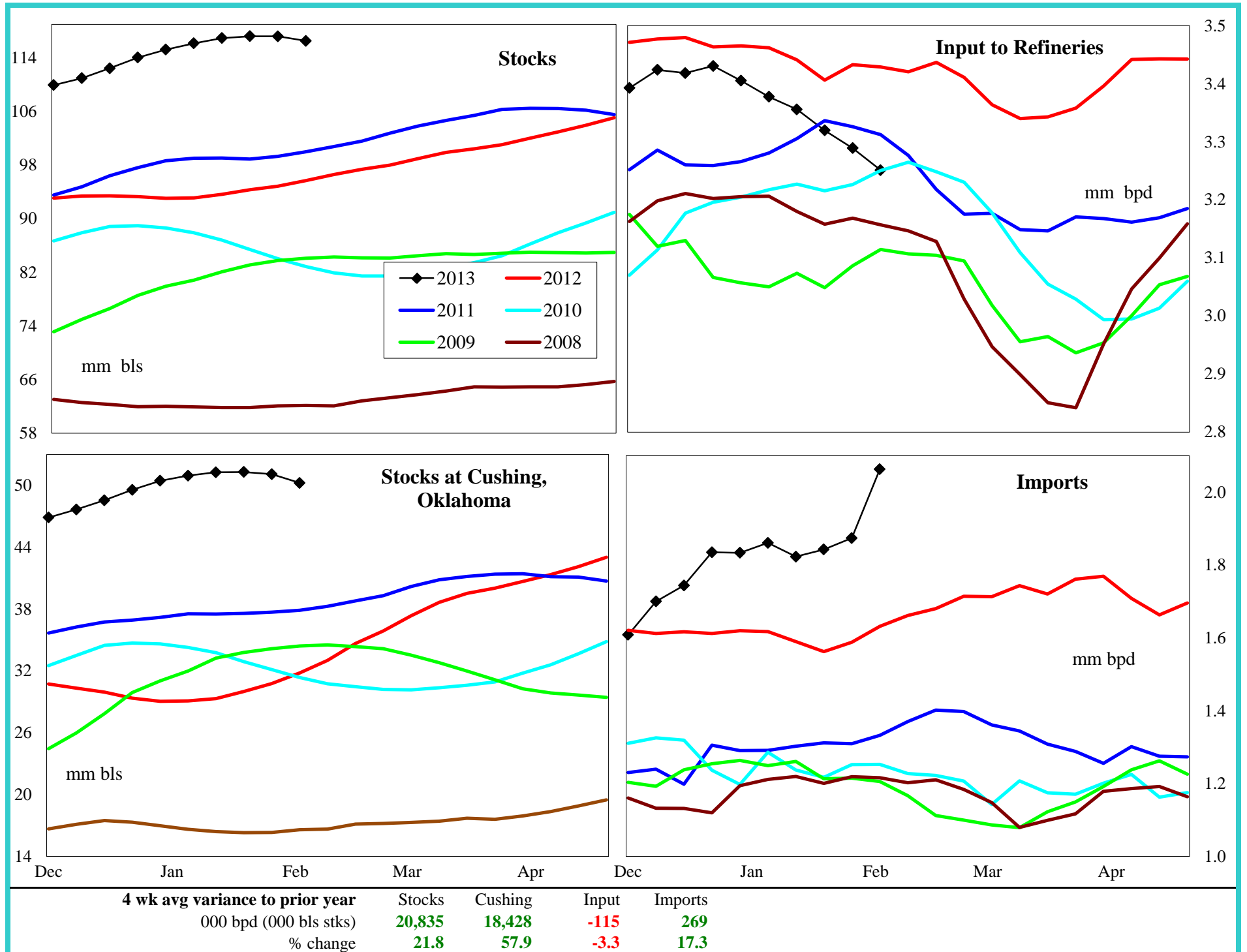
## PADD 1 Jet Fuel Supply



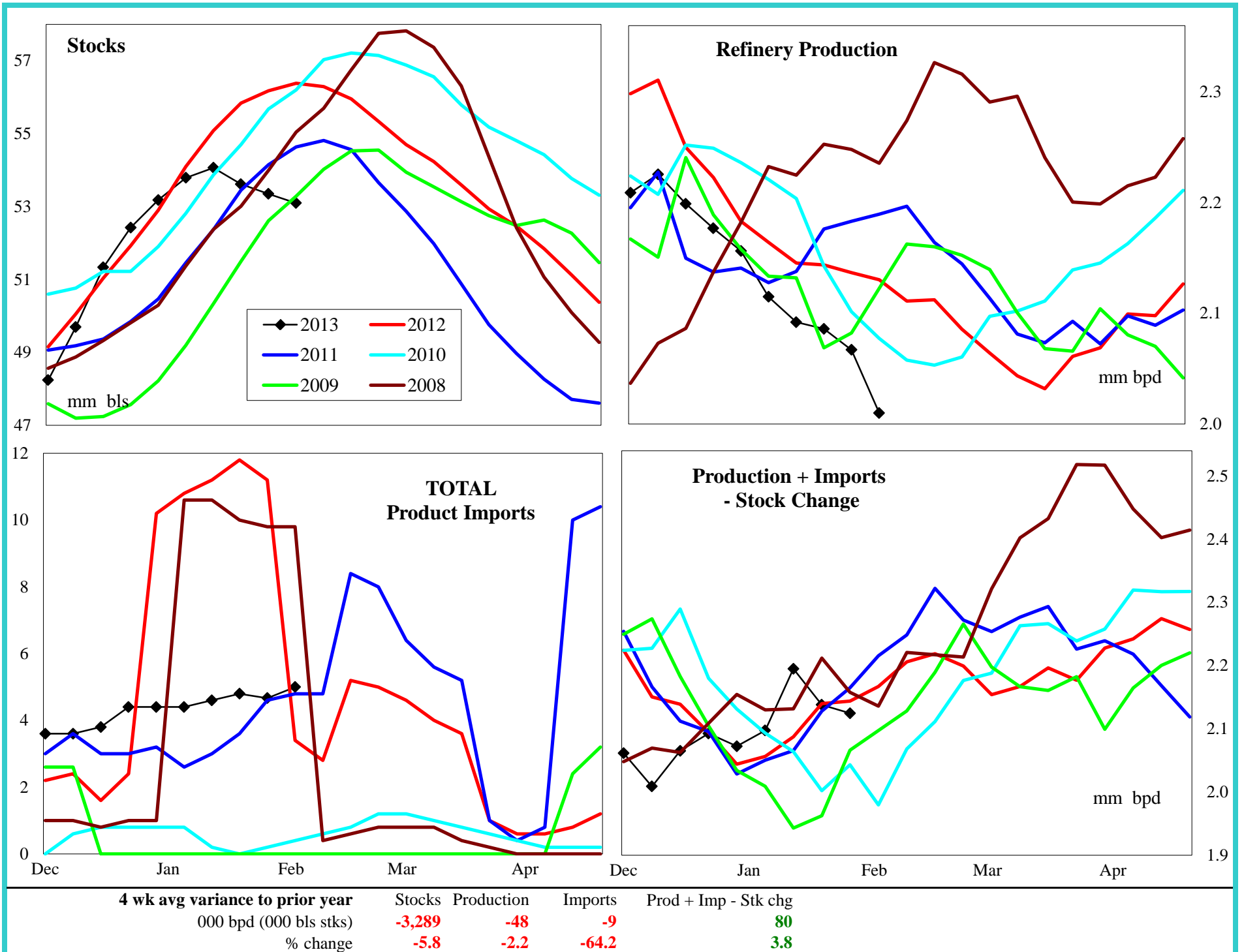
# PADD 1 Residual Fuel Oil Supply



# PADD 2 Crude Oil Supply and Refining

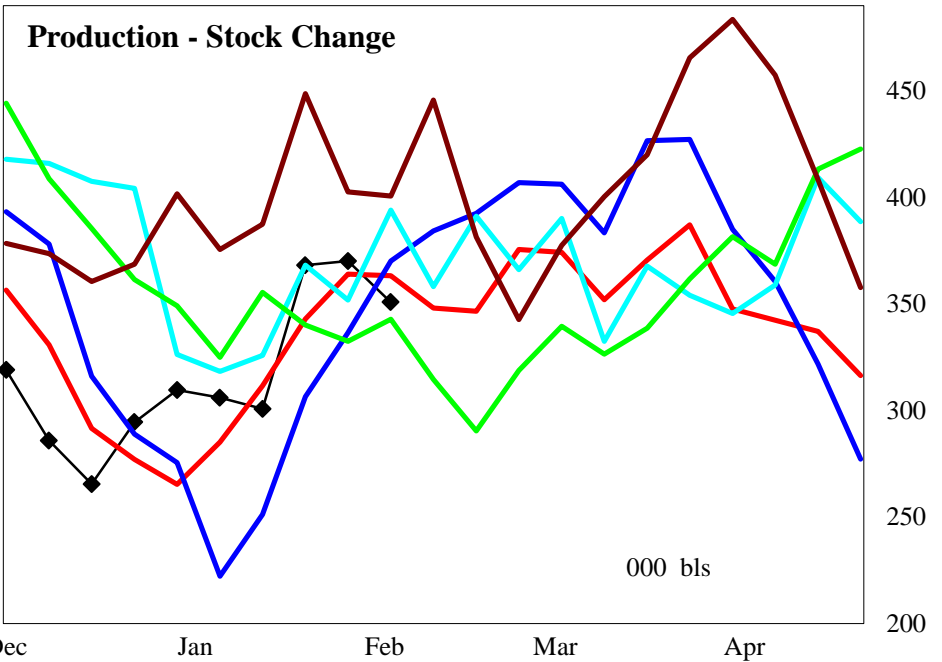
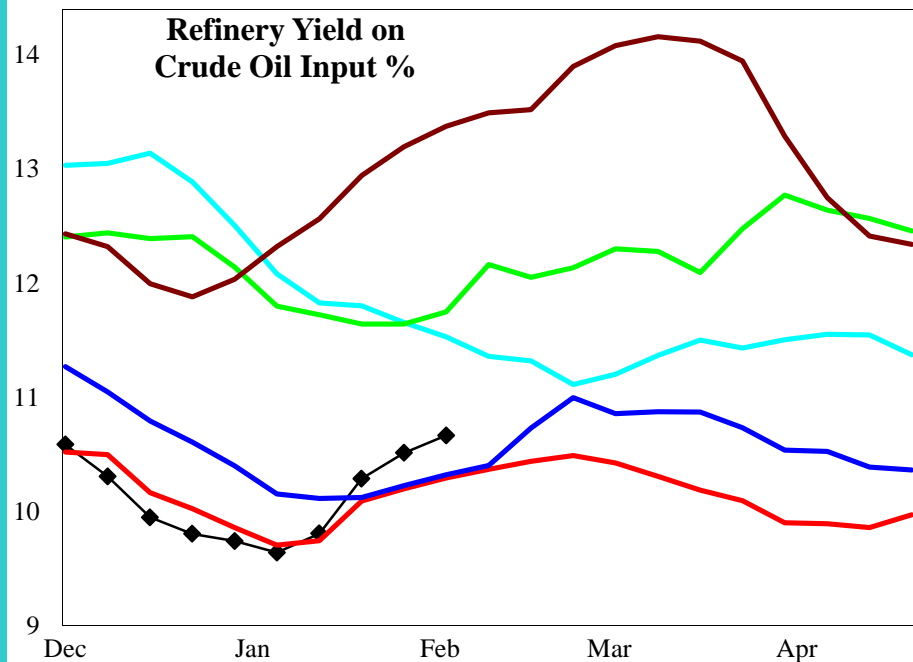
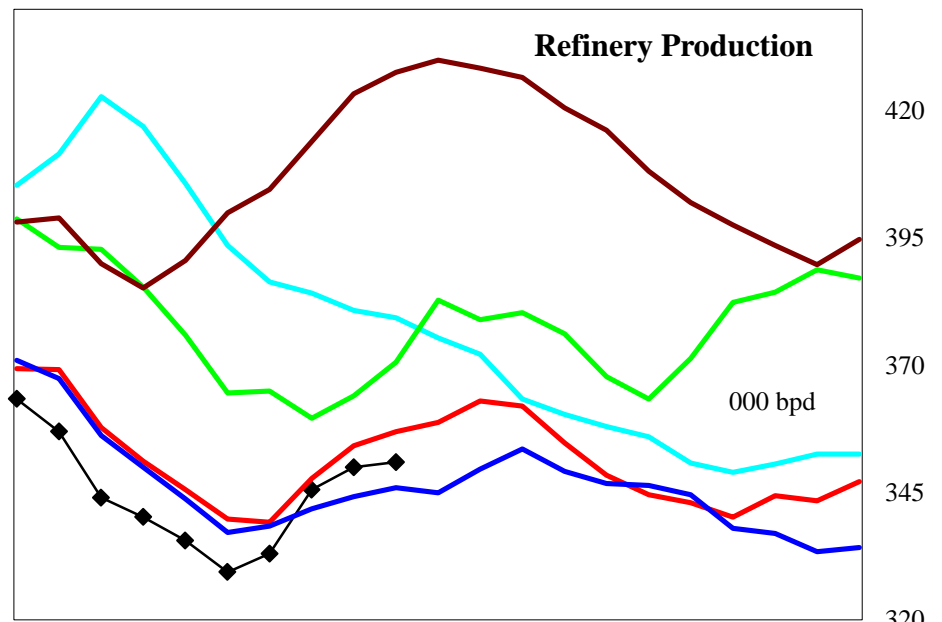
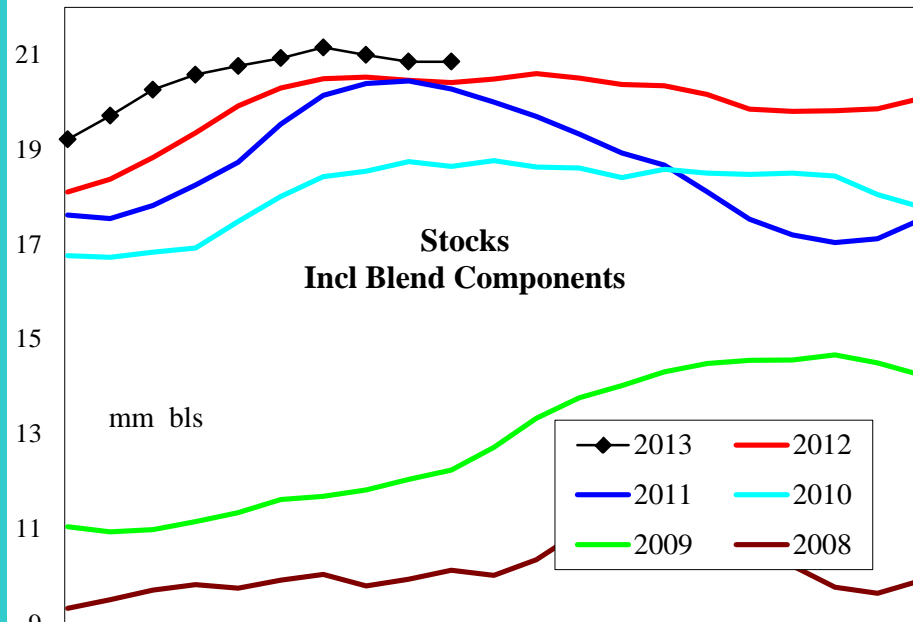


## PADD 2 Gasoline Supply





# PADD 2 Reformulated Gasoline Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

441

-5

2.2

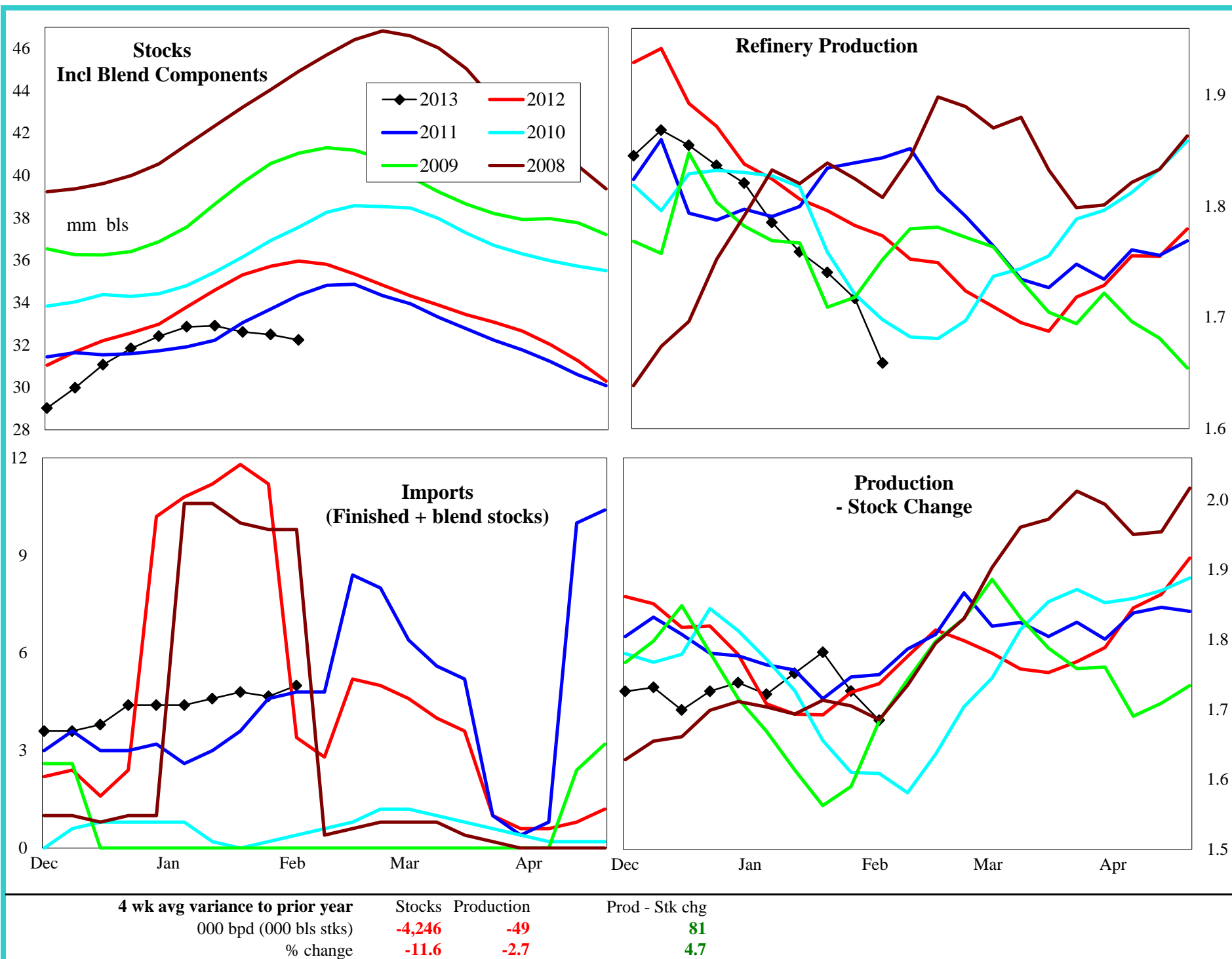
-1.3

Prod - Stk chg

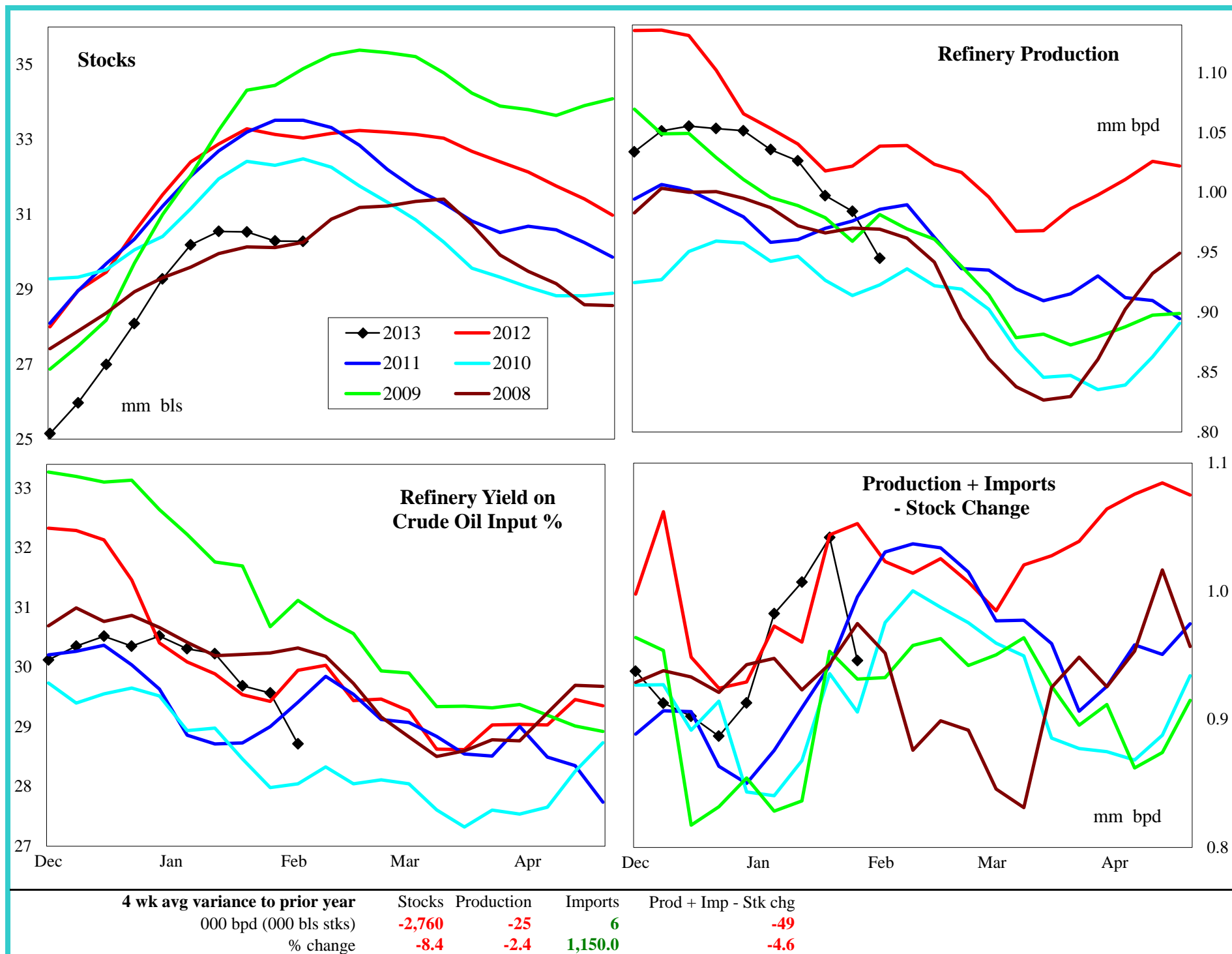
2

0.6

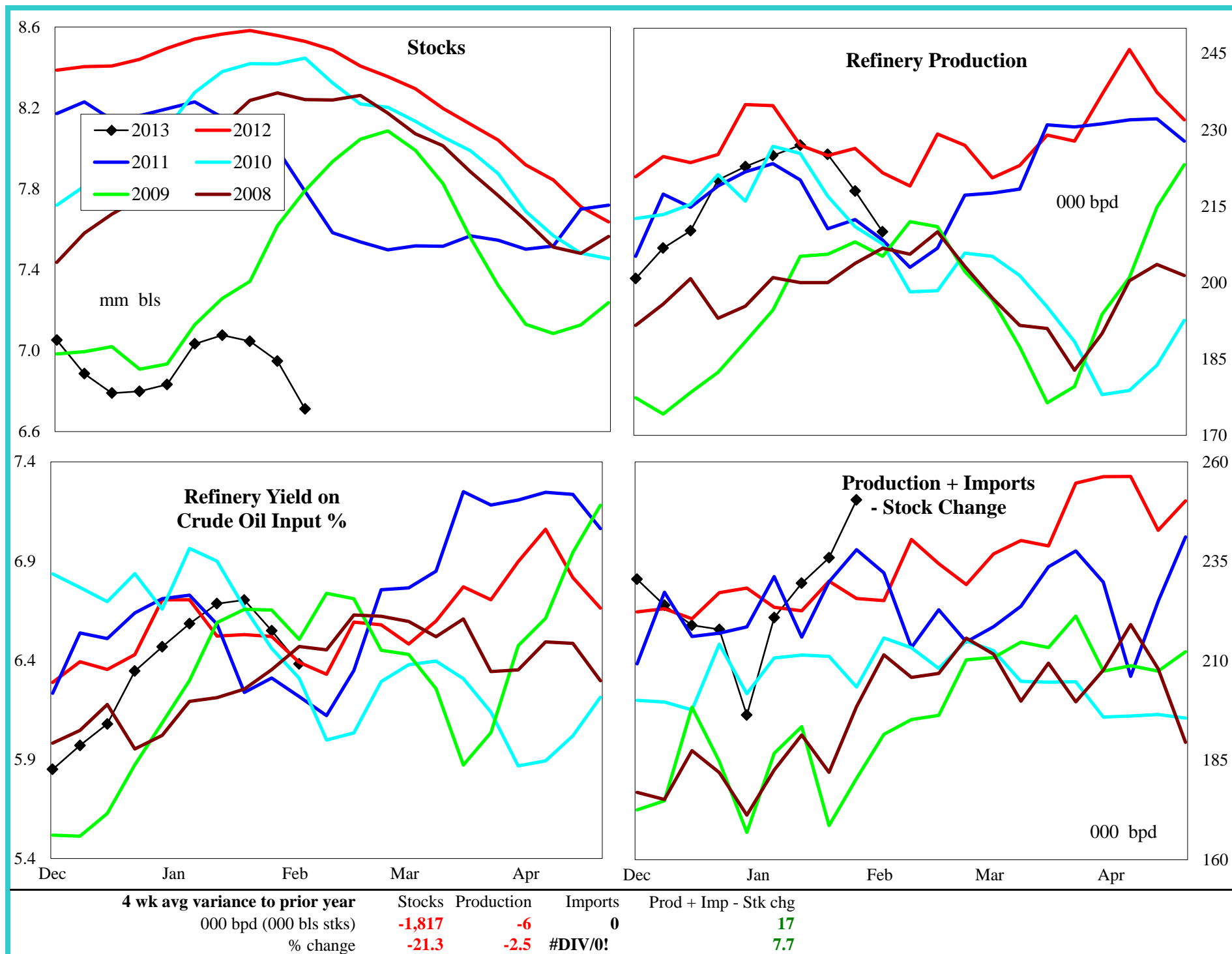
# PADD 2 Conventional Gasoline Supply



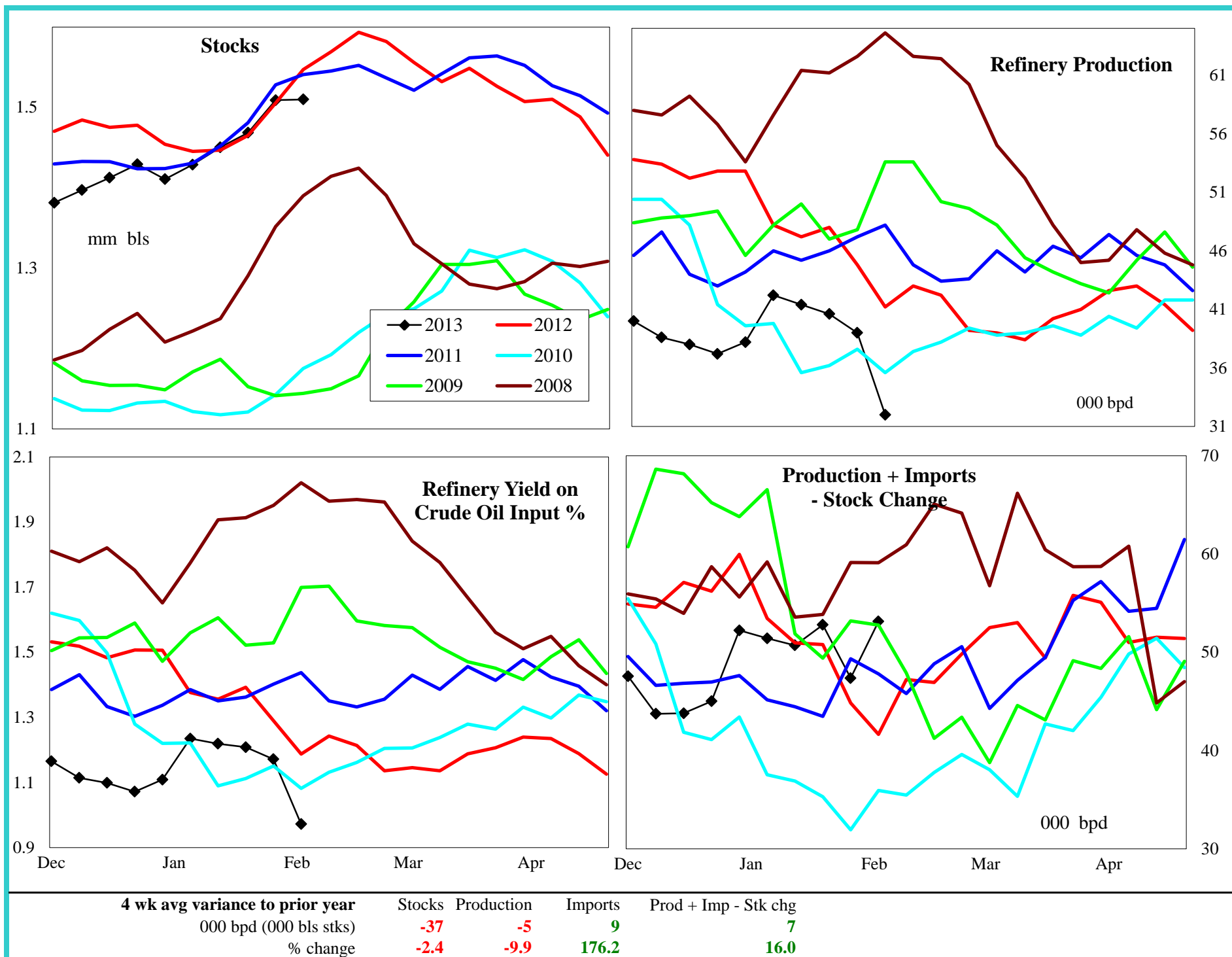
## PADD 2 Distillate Supply



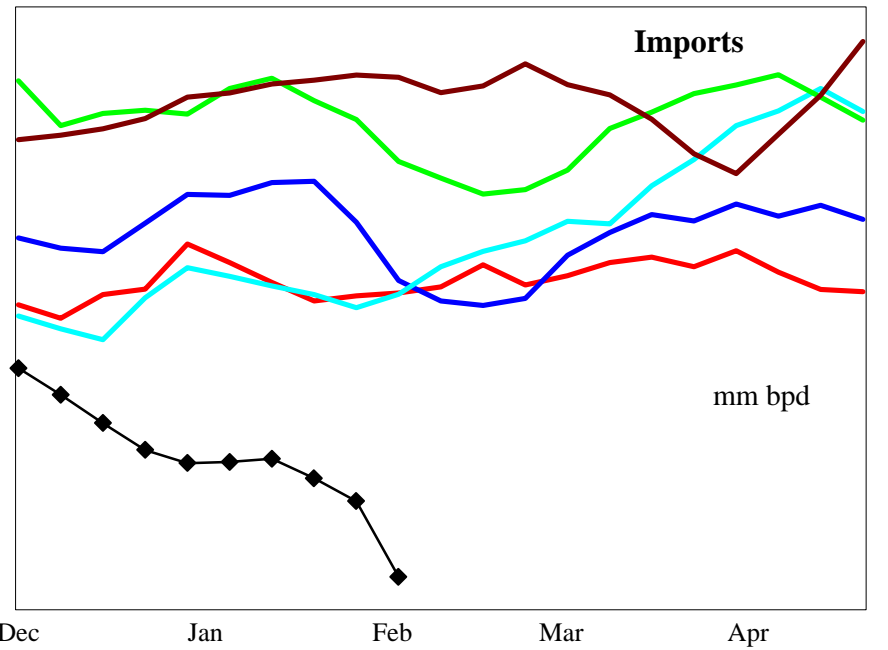
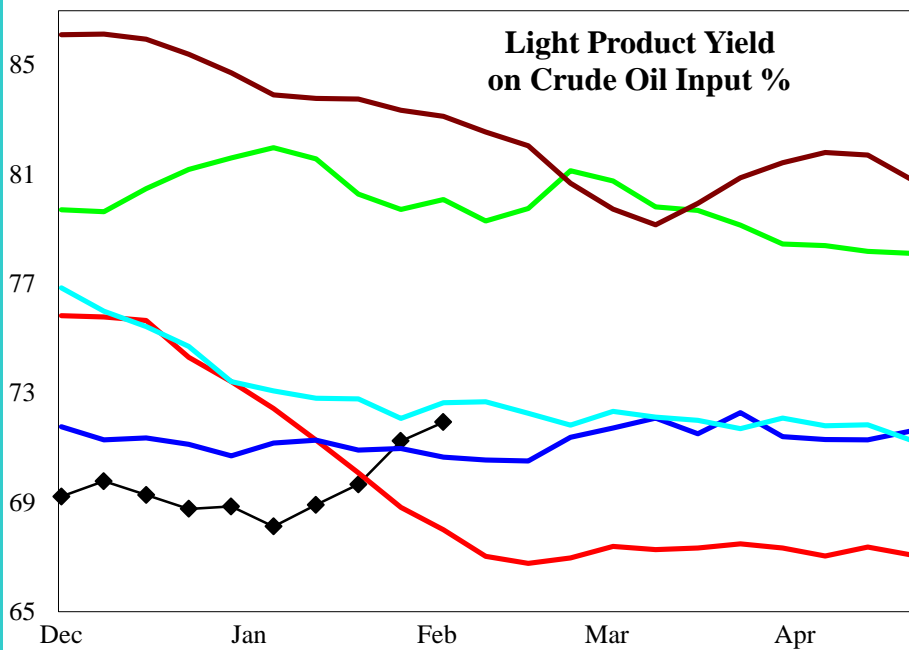
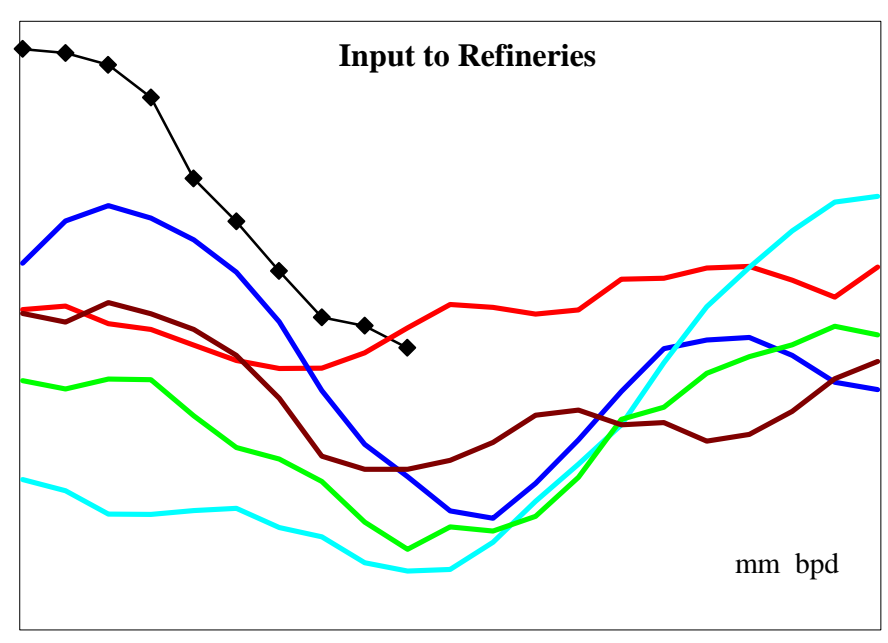
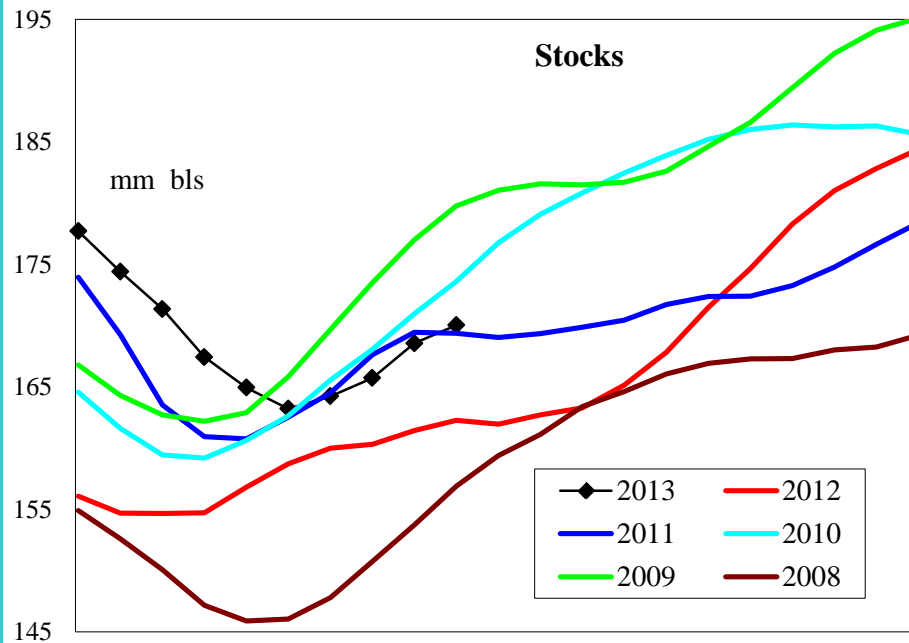
## PADD 2 Jet Fuel Supply



# PADD 2 Residual Fuel Oil Supply



# PADD 3 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

7,749

4.8

Input

95

1.3

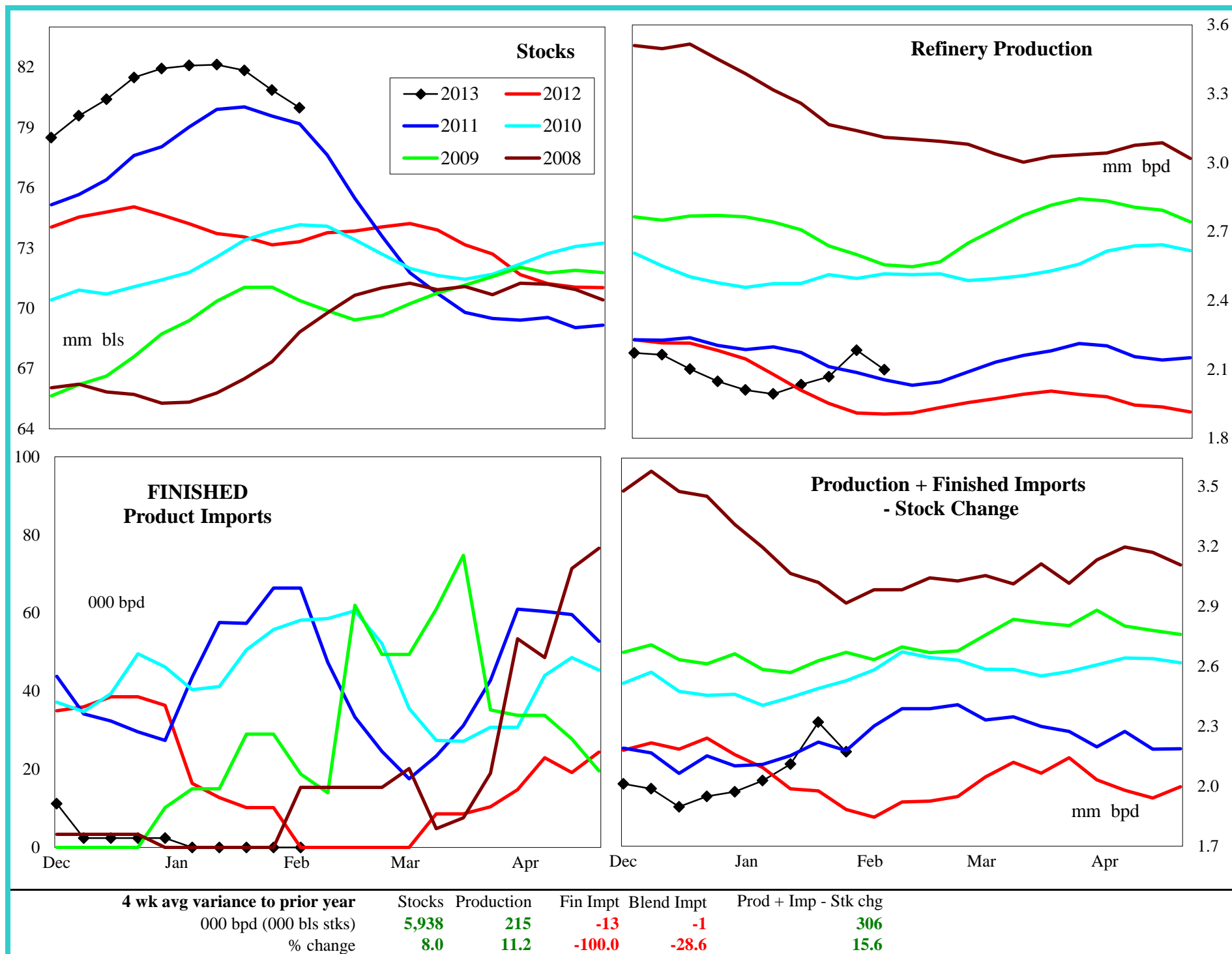
Imports

-1,028

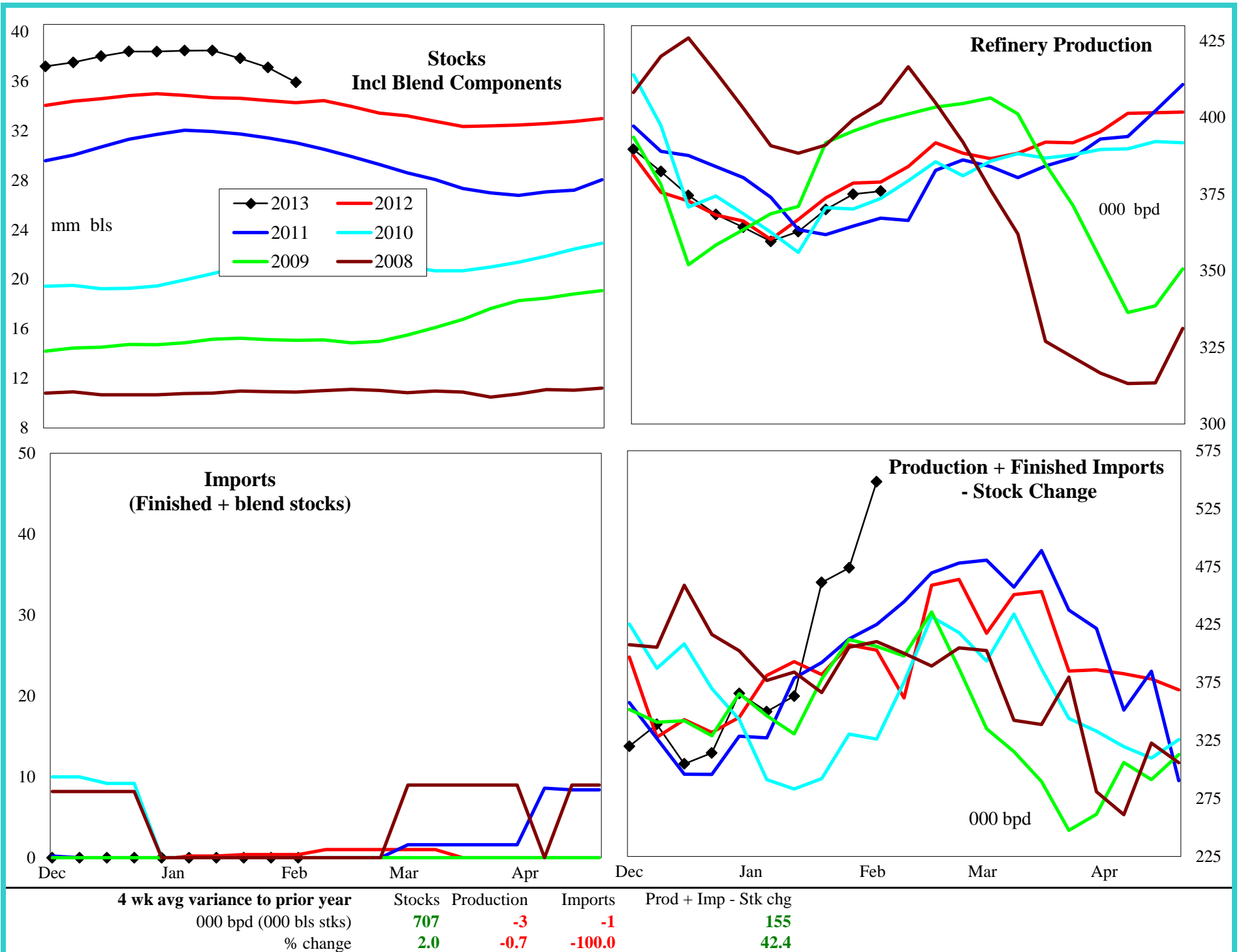
-21.7



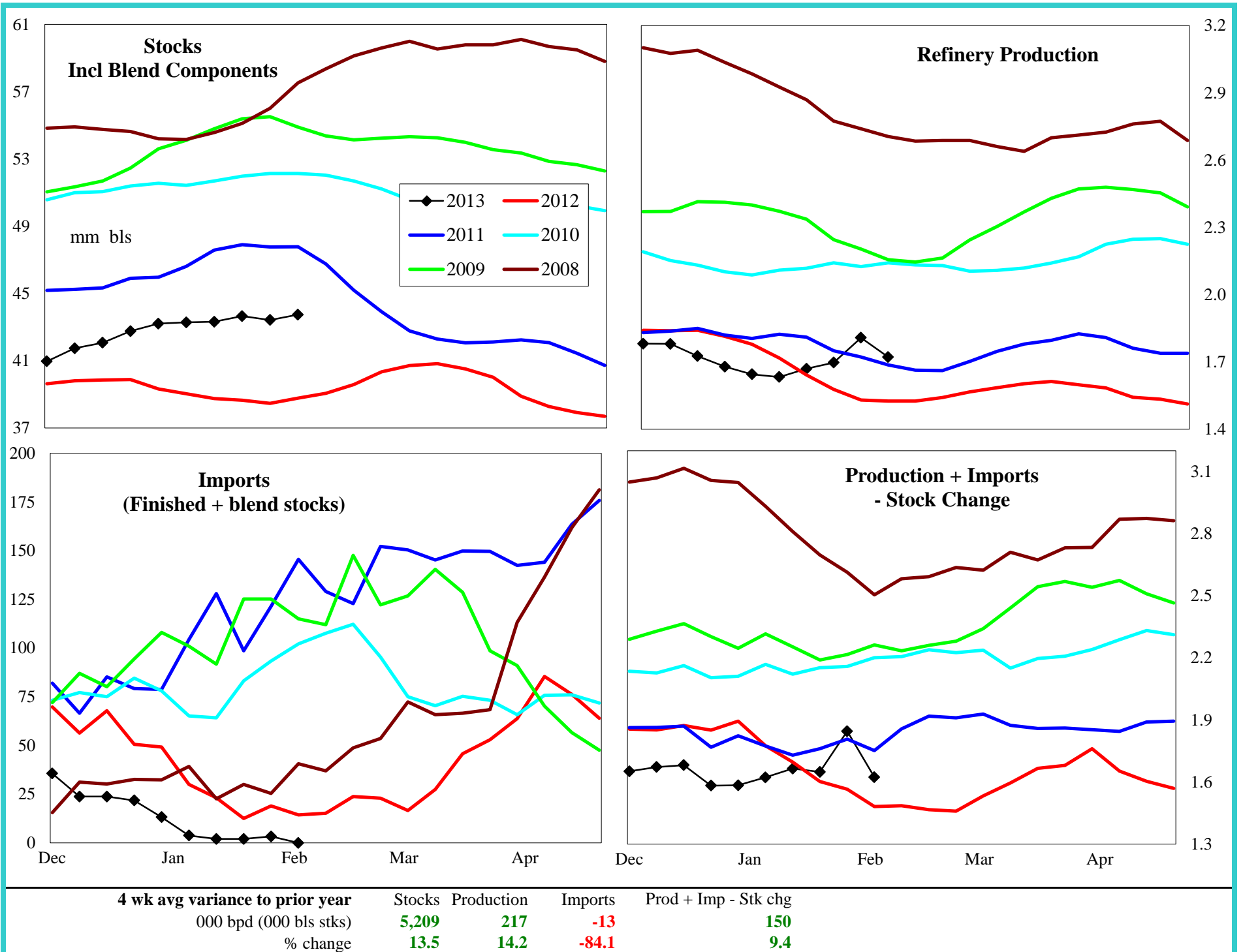
## PADD 3 Gasoline Supply



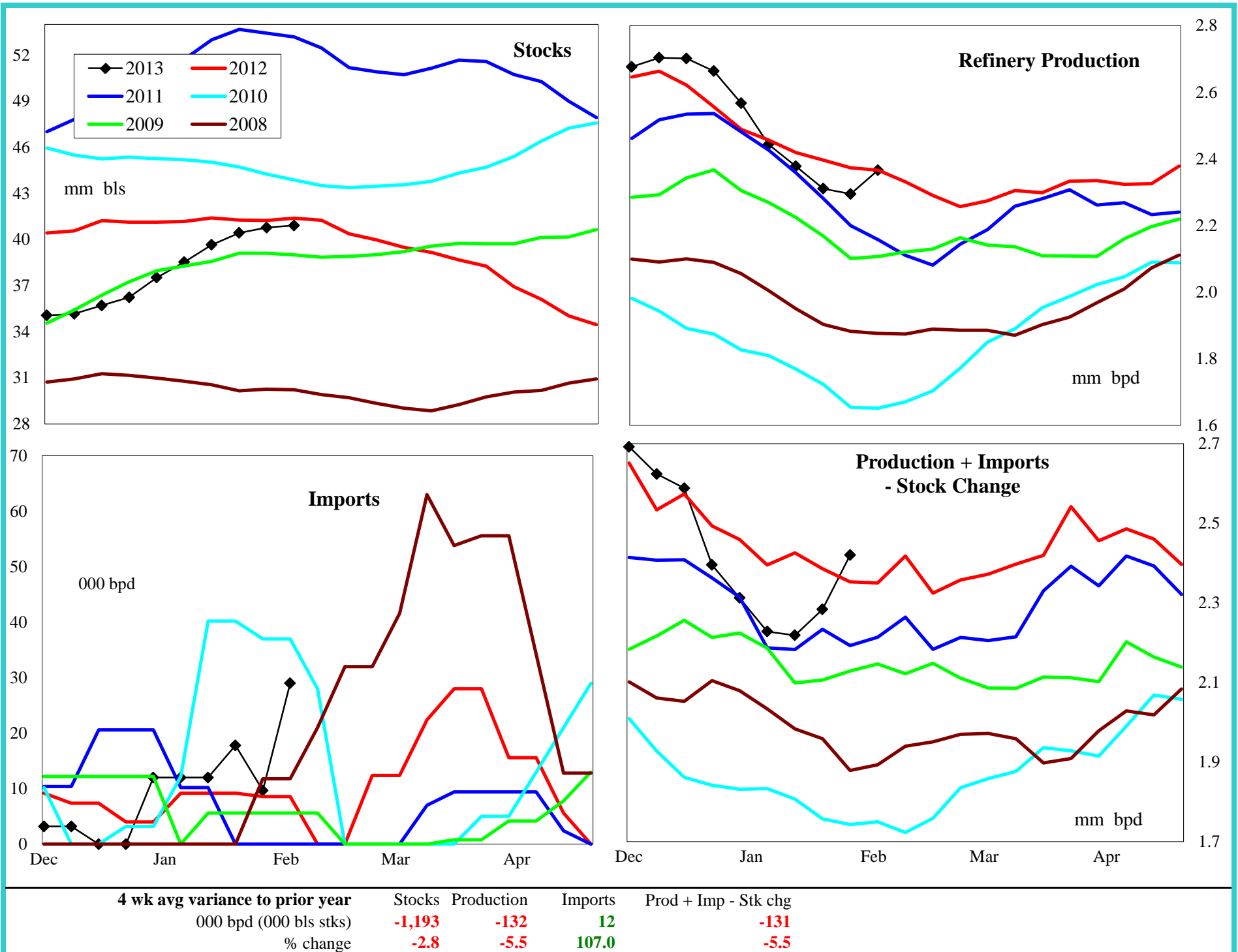
# PADD 3 Reformulated Gasoline Supply



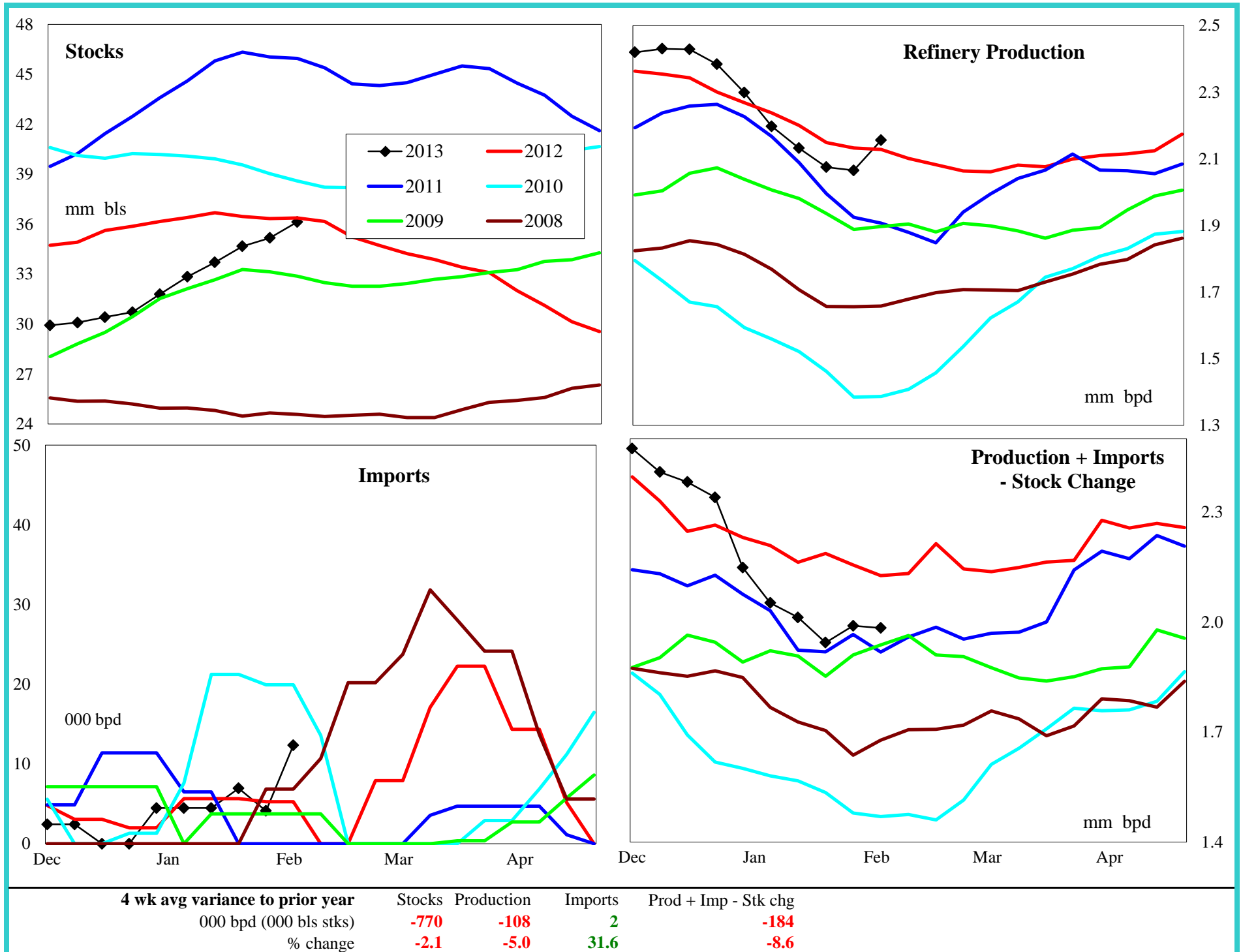
# PADD 3 Conventional Gasoline Supply



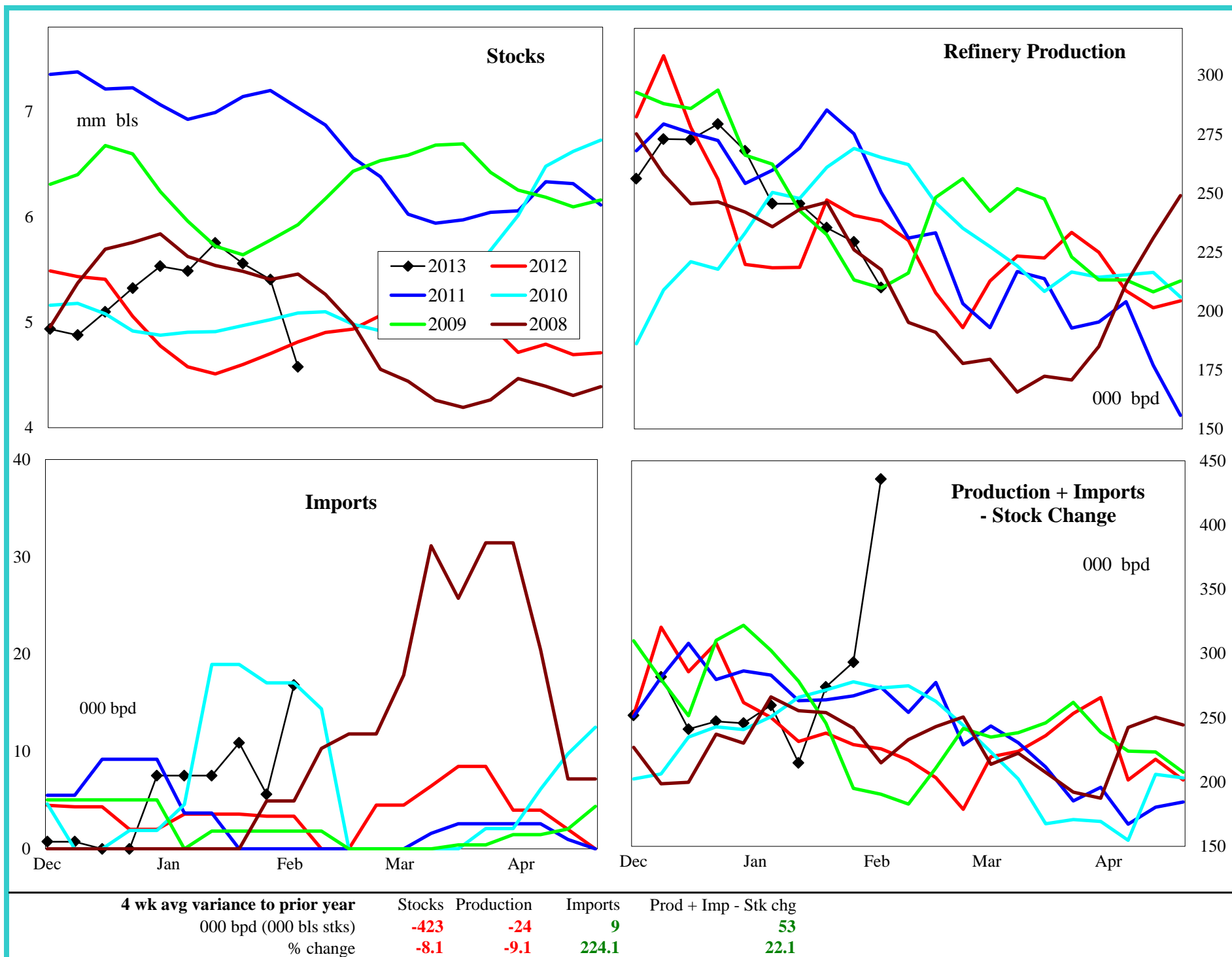
## PADD 3 Distillate Supply



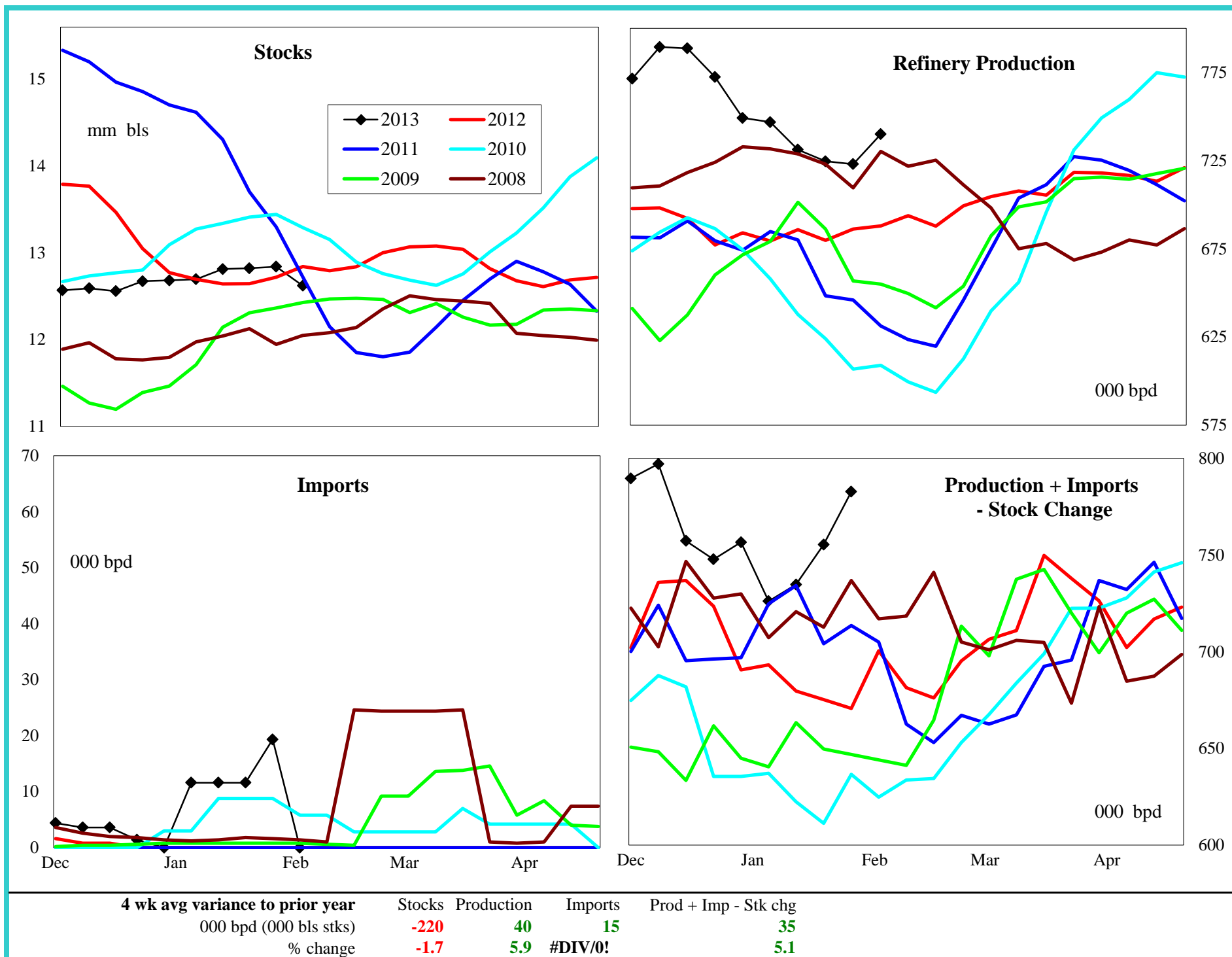
# PADD 3 Low Sulfur Distillate Supply



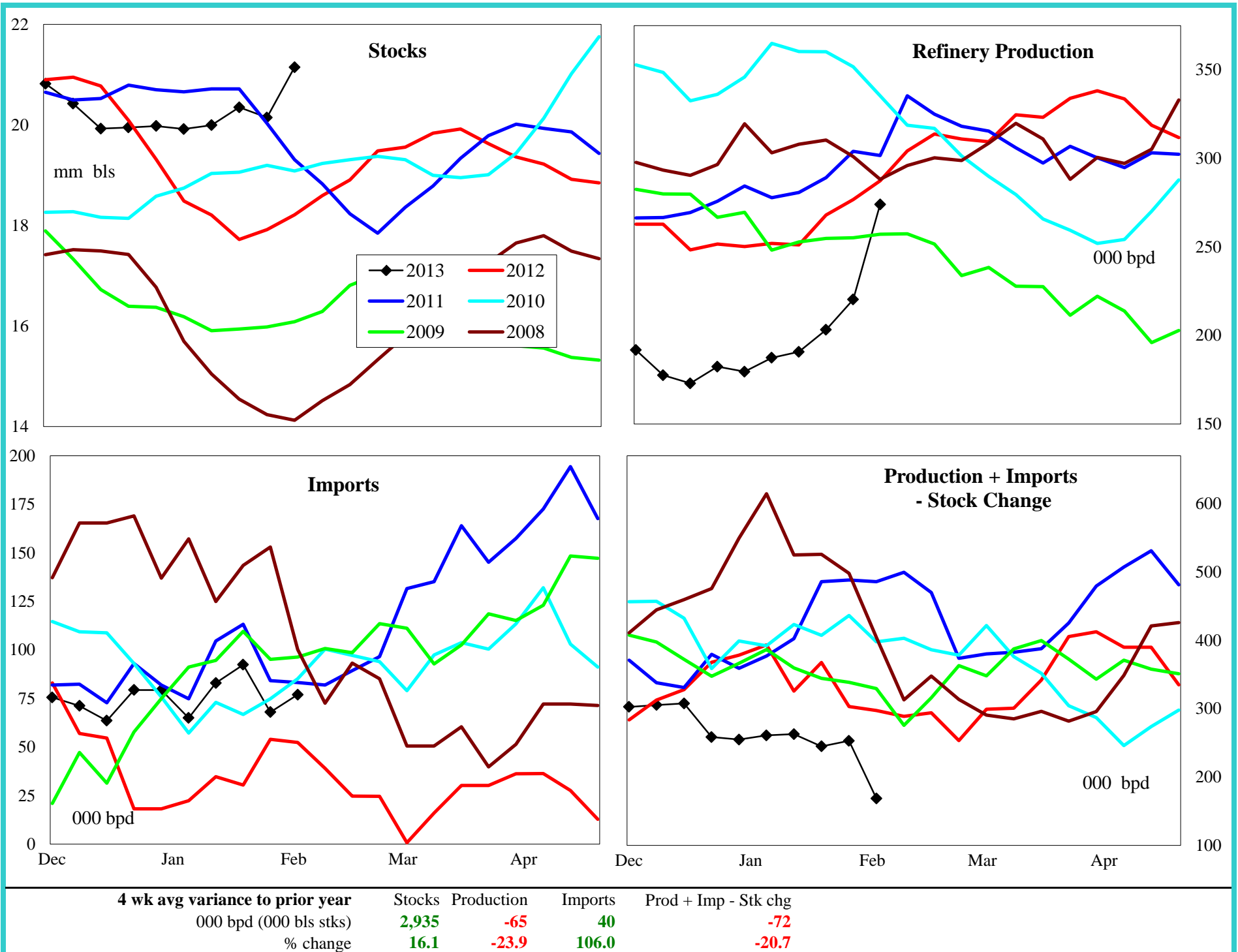
# PADD 3 High Sulfur Distillate Supply



## PADD 3 Jet Fuel Supply

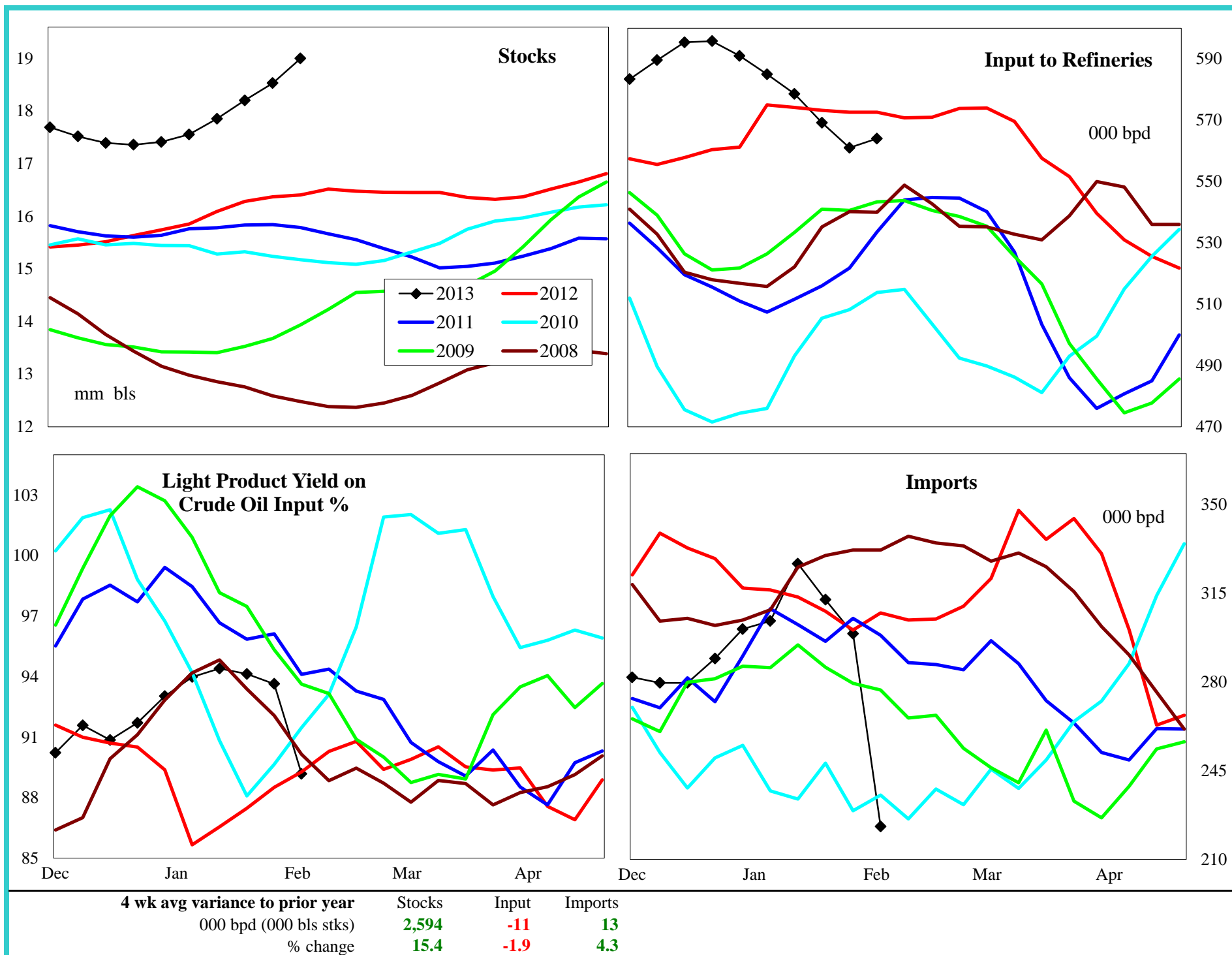


# PADD 3 Residual Fuel Oil Supply

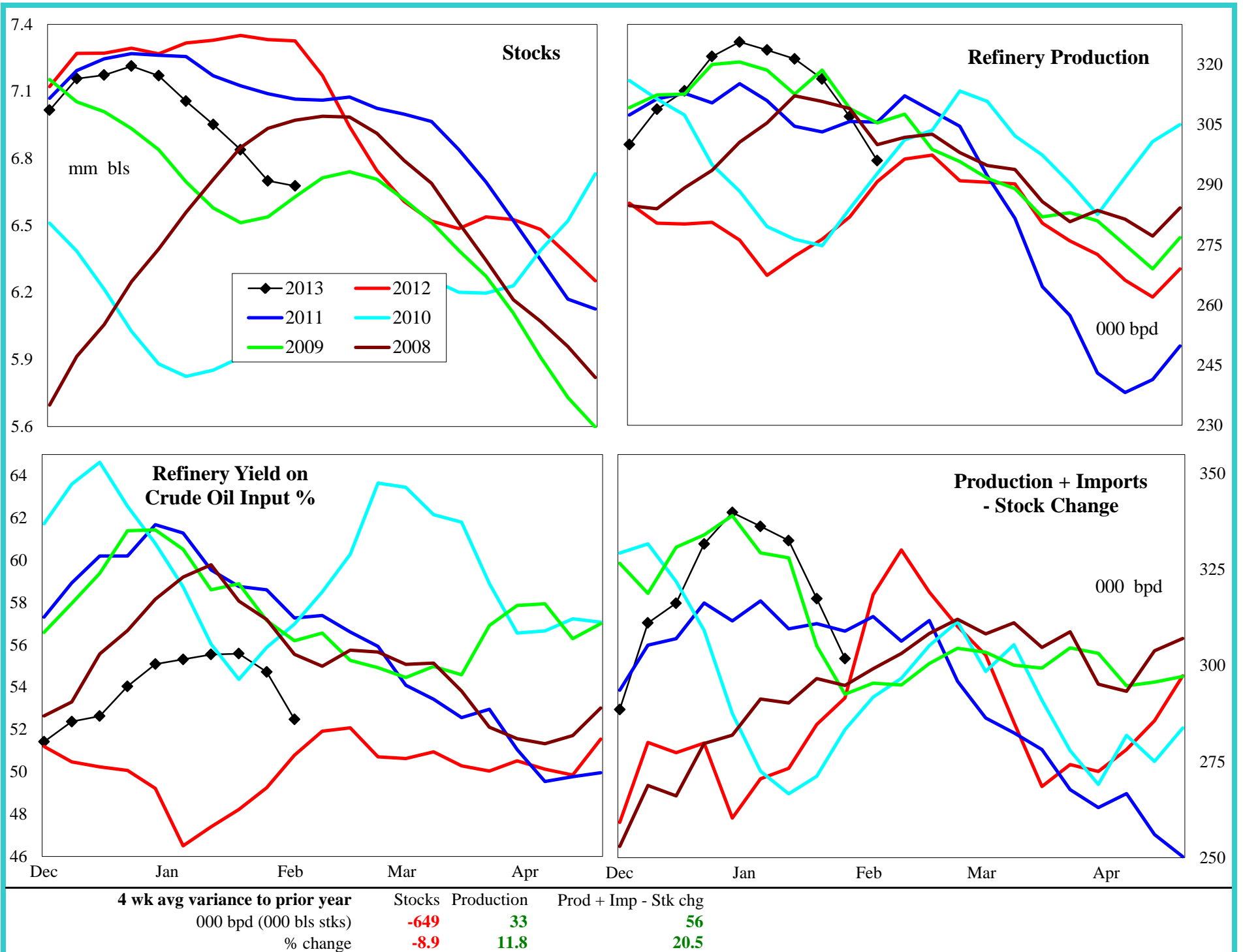




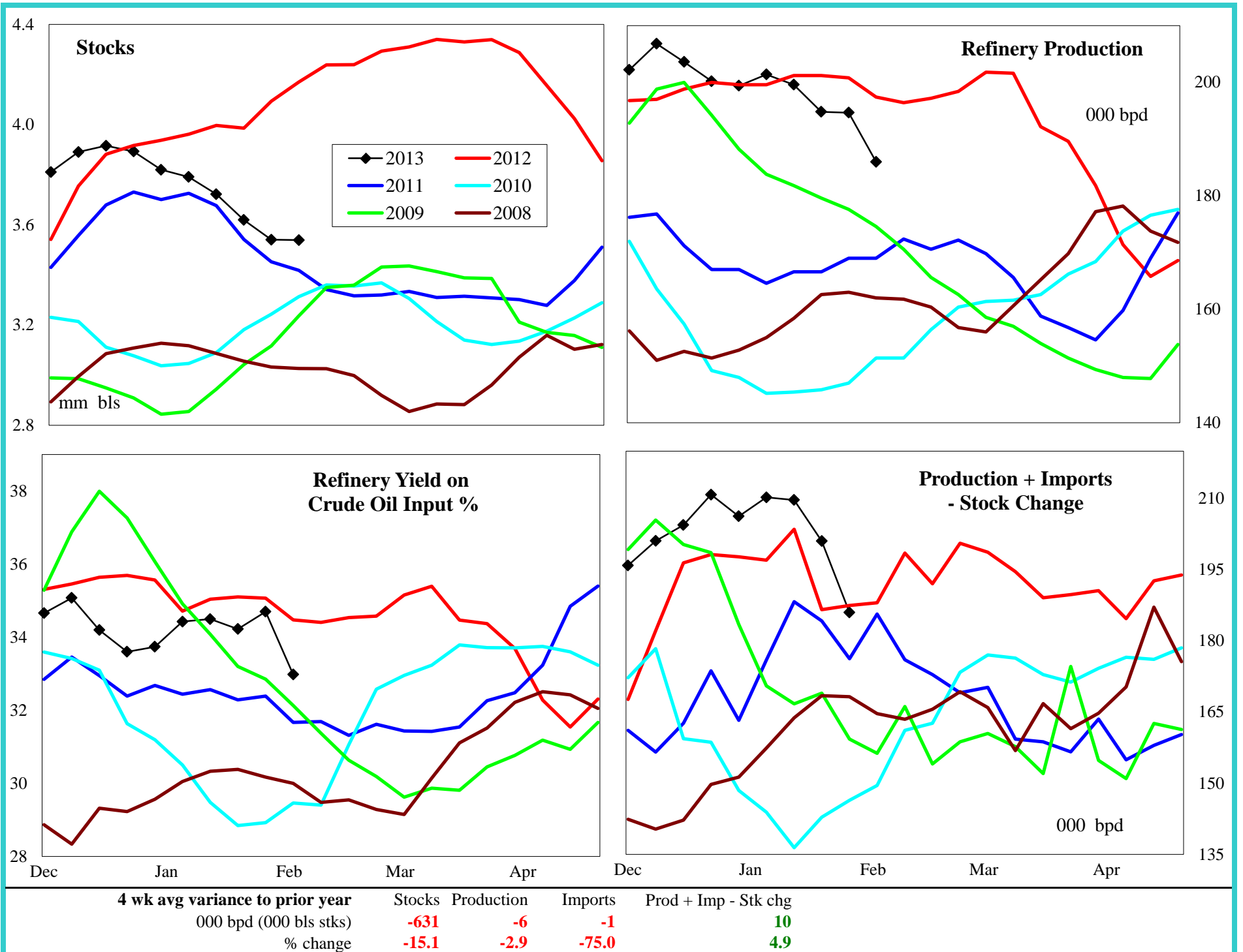
# PADD 4 Crude Oil Supply and Refining



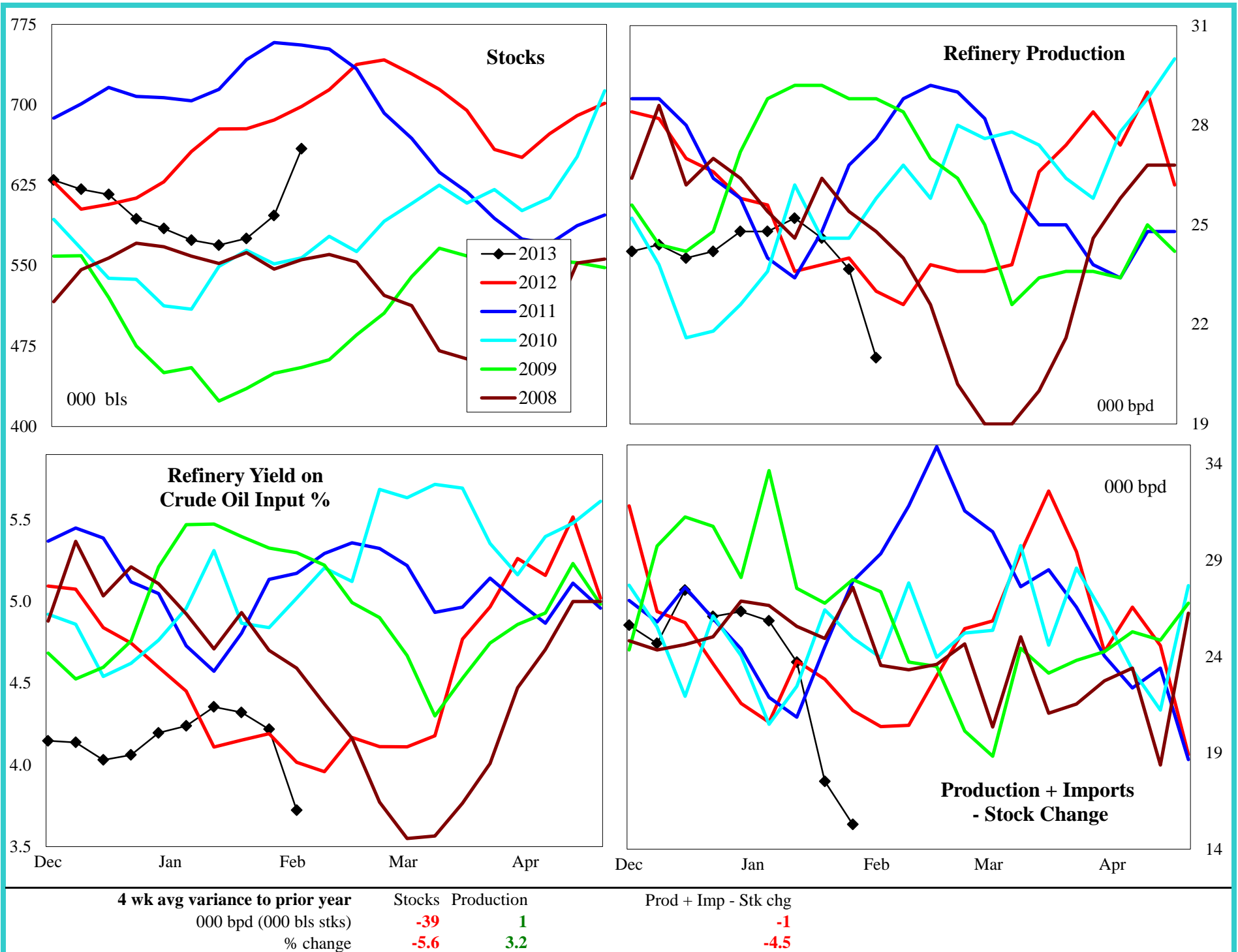
## PADD 4 Gasoline Supply



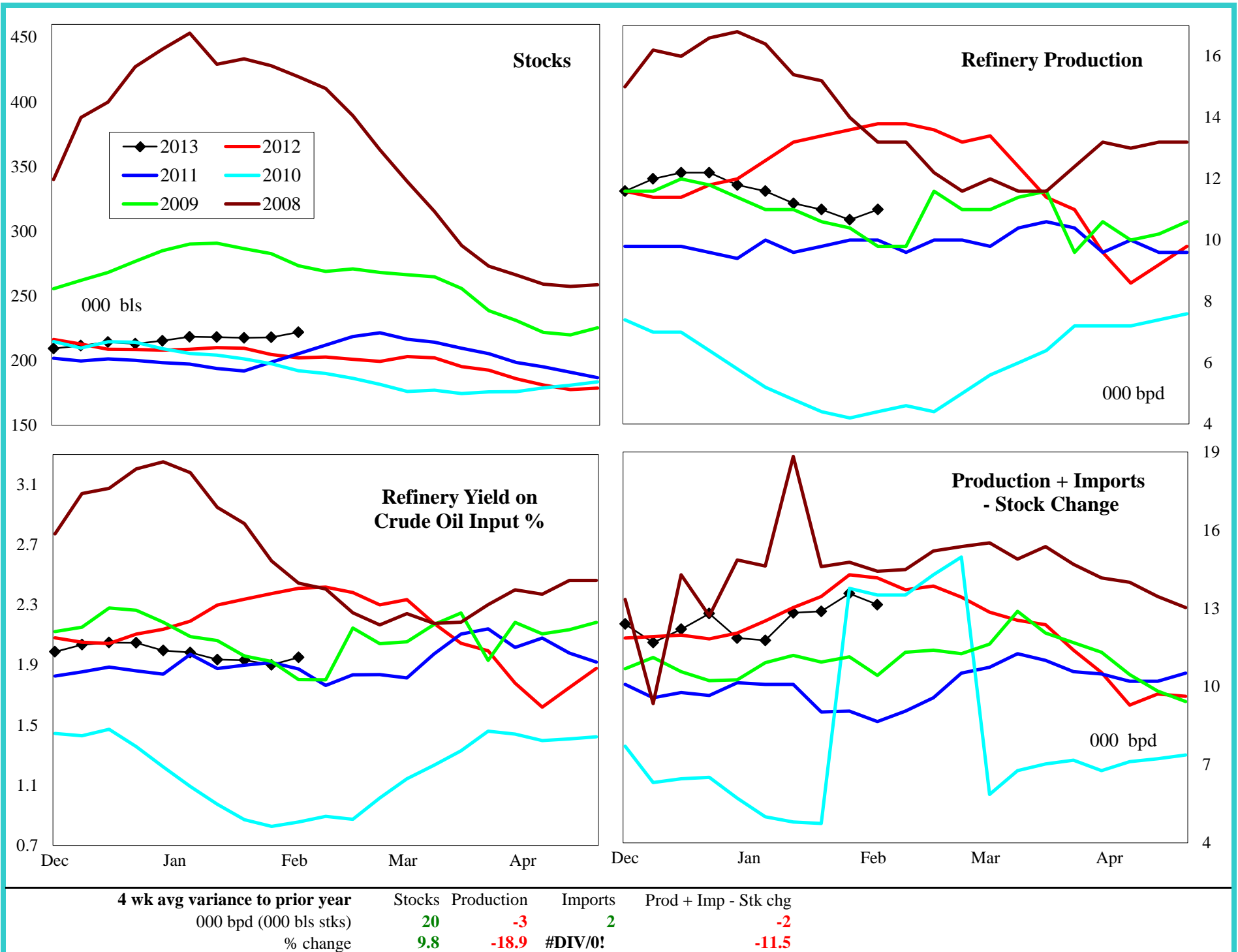
## PADD 4 Distillate Supply



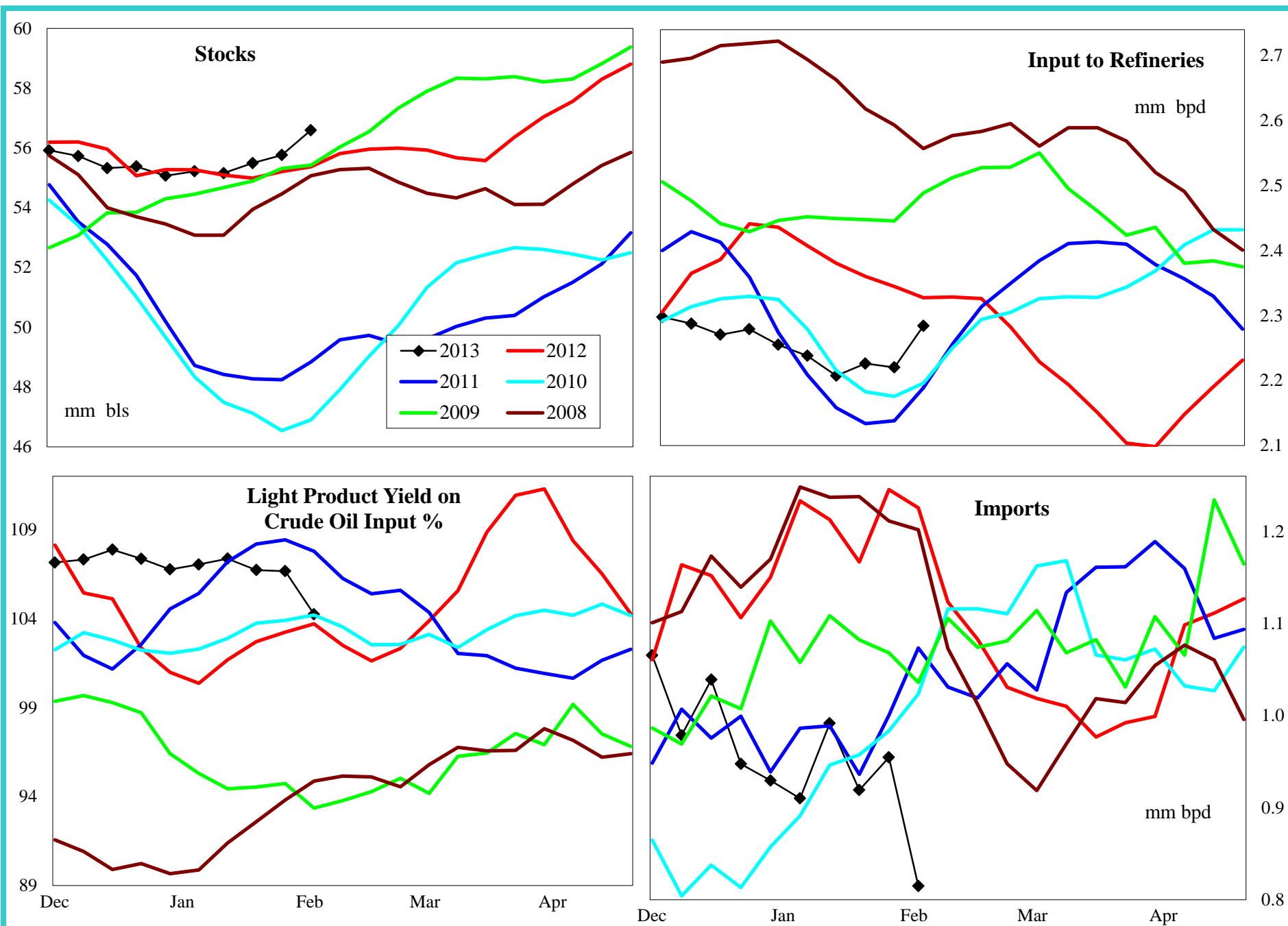
## PADD 4 Jet Fuel Supply



## PADD 4 Residual Fuel Oil Supply



# PADD 5 Crude Oil Supply and Refining



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

1,221

2.2

Input

-139

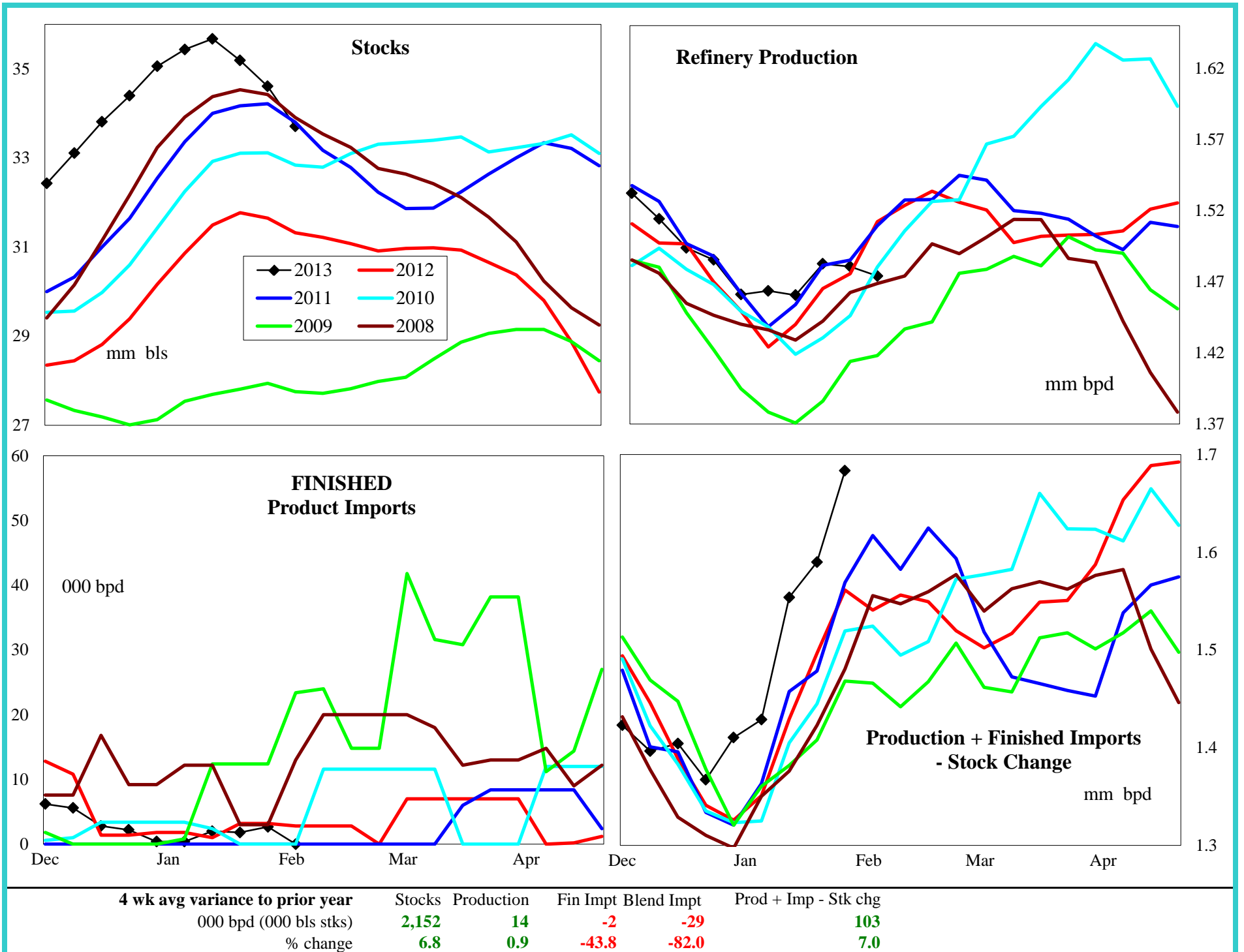
-5.9

Imports

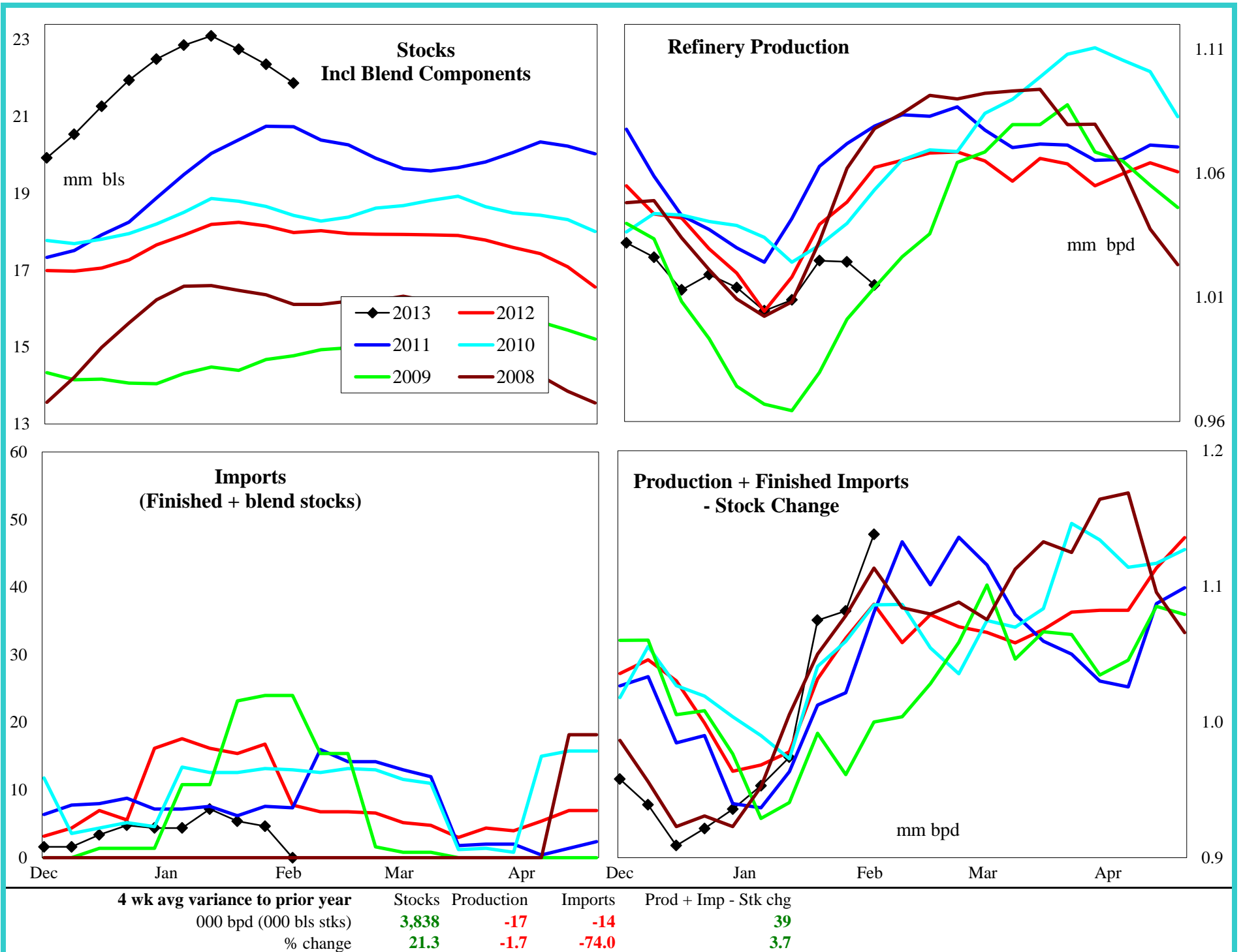
-291

-23.0

## PADD 5 Gasoline Supply

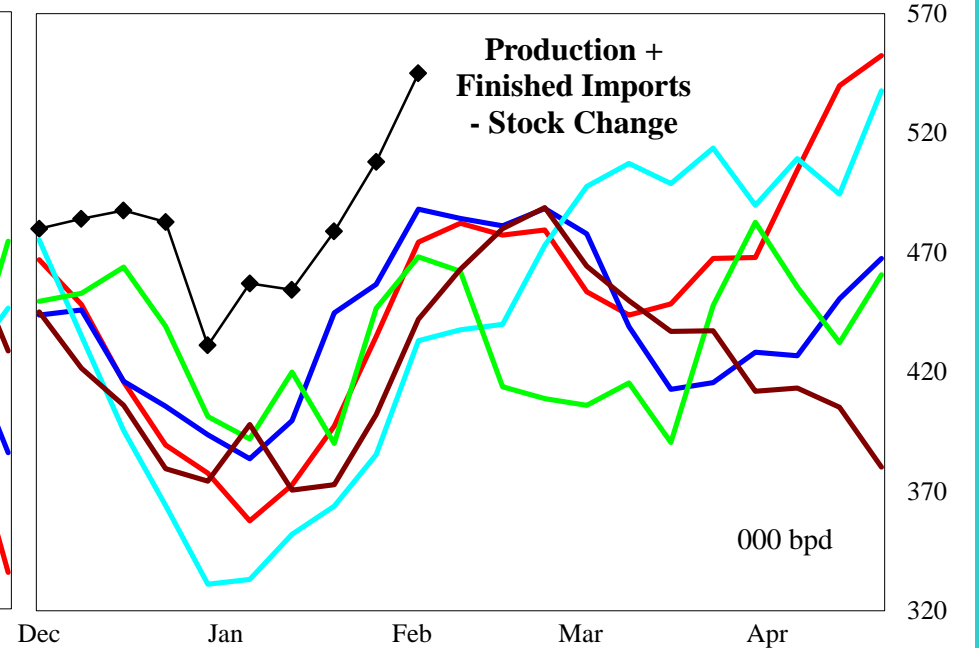
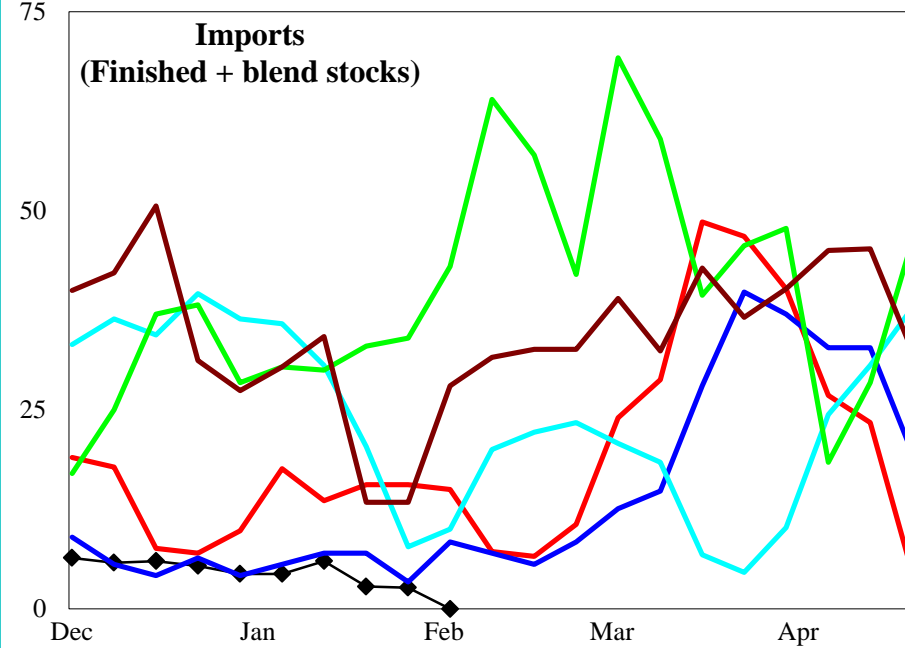
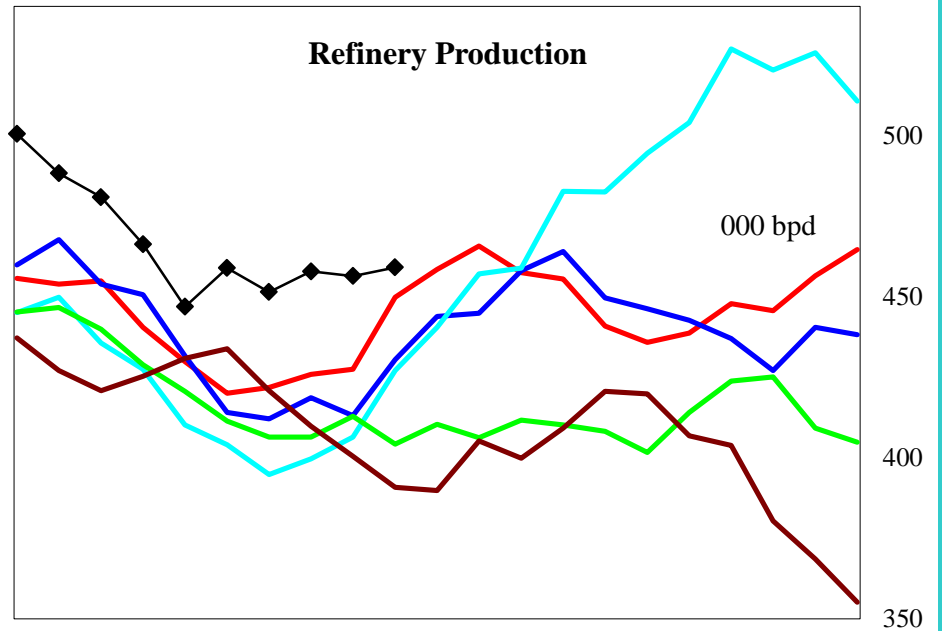
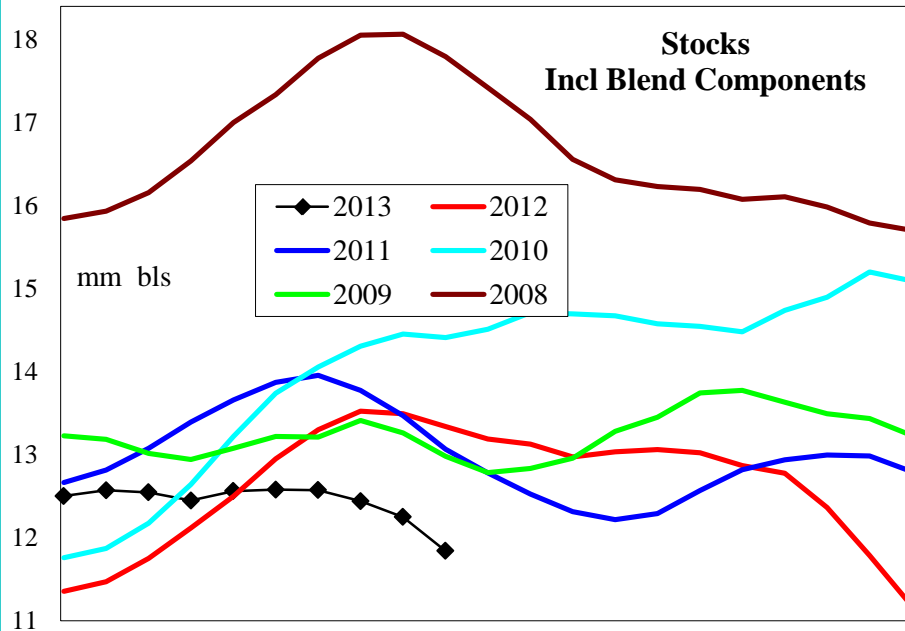


# PADD 5 Reformulated Gasoline Supply





# PADD 5 Conventional Gasoline Supply



**4 wk avg variance to prior year**

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

-1,686

31

-16

64

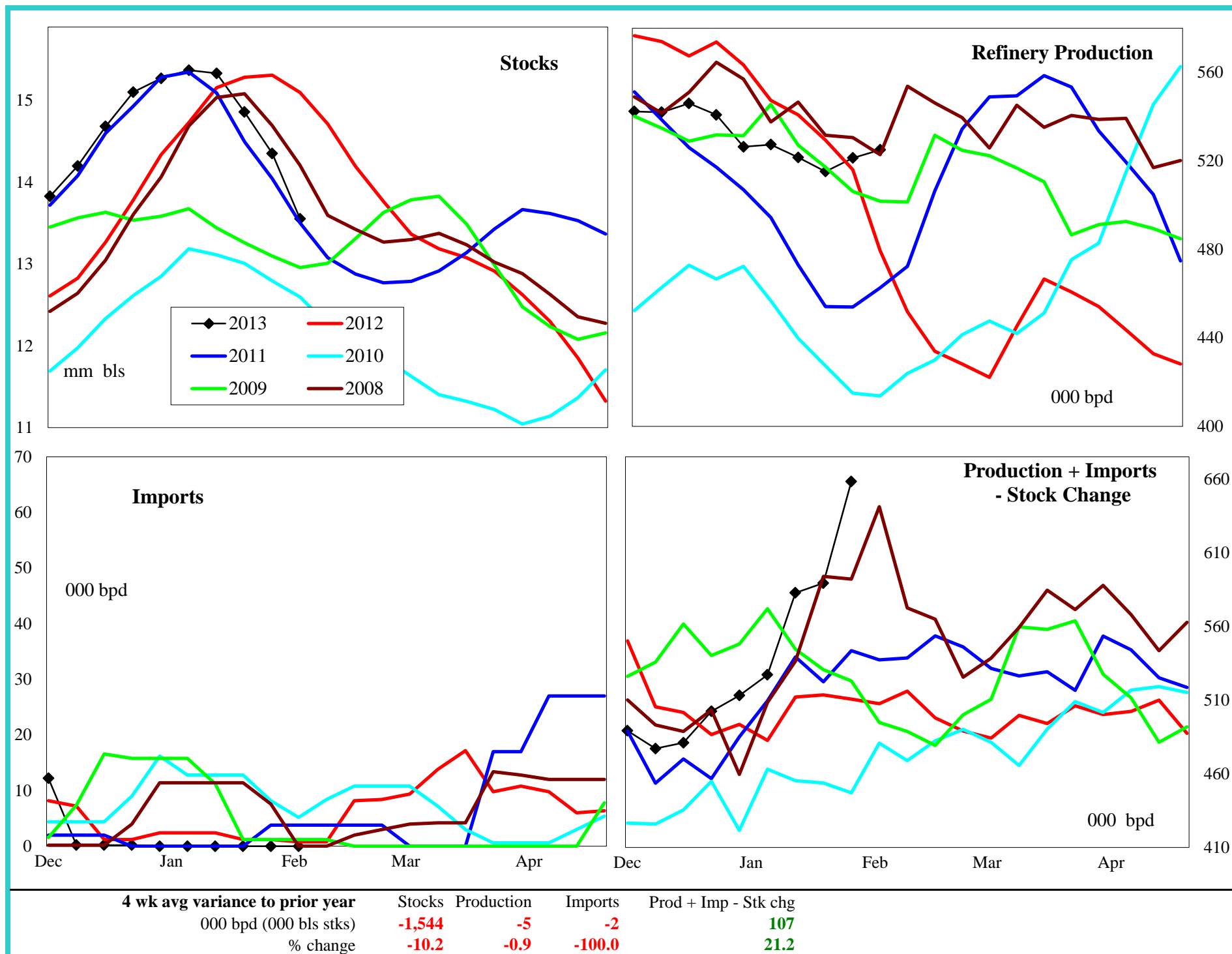
-12.5

7.3

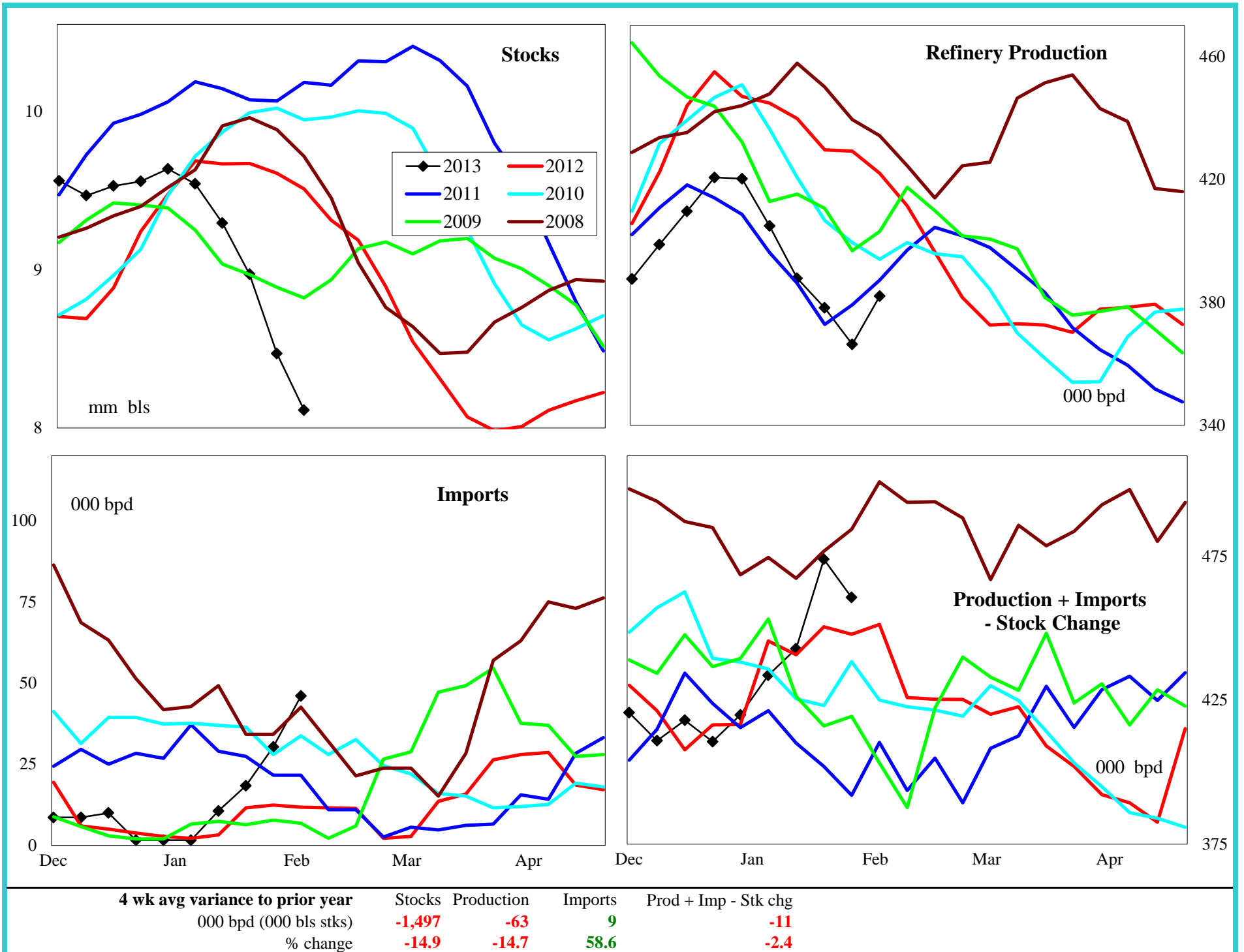
-82.1

15.4

## PADD 5 Distillate Supply



# PADD 5 Jet Fuel Supply



# PADD 5 Residual Fuel Oil Supply

