

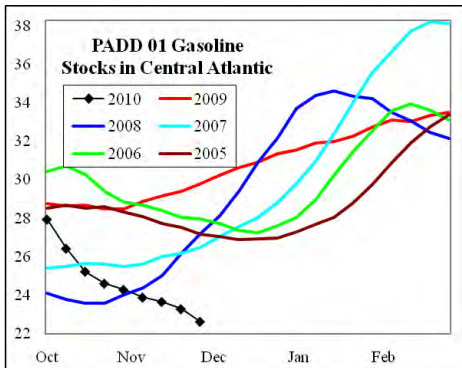
WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

A Fundamental Petroleum Trends Weekly Report

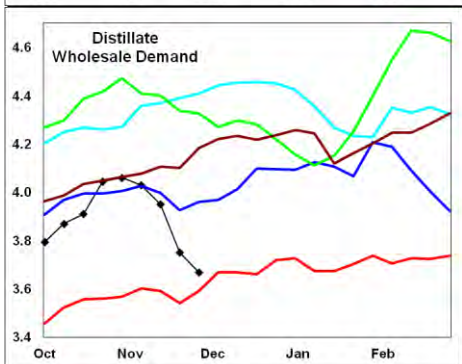
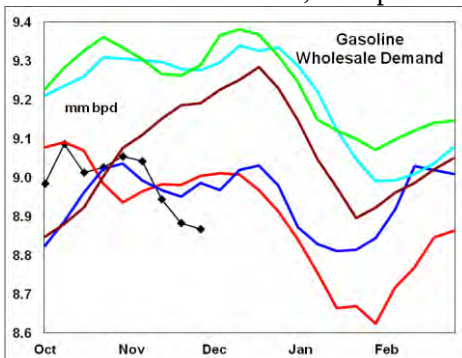
 Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, December 01,


Major Fundamental Trends¹

The impact of refinery closures in Europe and the U.S. East Coast during the recession is evident in ongoing tightness in gasoline supplies in the Central Atlantic Region of PADD 1. Stock levels in this key region remain at record low levels.



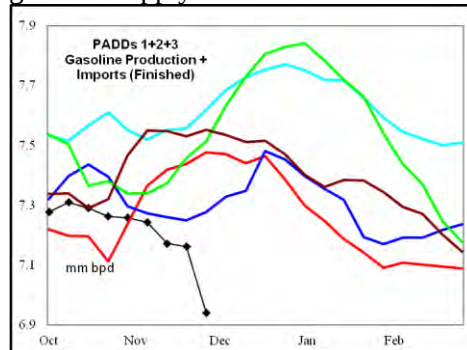
Weekly wholesale demand for gasoline, distillate and jet fuel were each lackluster. Gasoline demand was below the 5-year range, while middle distillate demand fell 347,000 bpd.



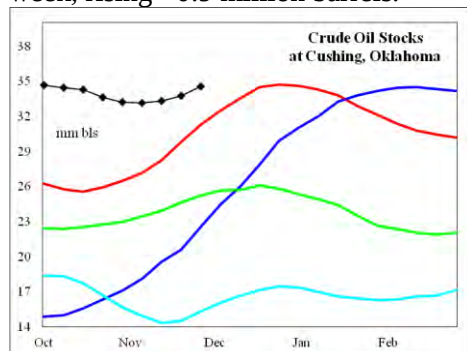
Crude oil refinery runs experienced a counter seasonal decline of -170,000 bpd last week. As a result, production

was lower for each major transport fuel.

Gasoline production was particularly low last week, falling below the 5-year range as a result of unplanned maintenance to several FCCU units. Gasoline imports also fell to new record lows. The chart below shows the unusual drop in gasoline supply East of the Rockies.



The seasonal build of crude oil stocks in Cushing, Oklahoma continued last week, rising +0.9 million barrels.



Demand for middle distillates fell -347,000 bpd last week, while gasoline saw limited change.

Wholesale demand (including exports) measured over the last four weeks compared to a year ago: gasoline decreased -0.5%; distillate up +8.8%; jet fuel down -3.6% while residual fuel oil decreased -7%.

Stocks forward coverage: Gasoline demand coverage increased on a +0.6 million barrel build in stocks and lower seasonal demand. Coverage was near last years' record high.

Distillate coverage improved on sharply lower demand and stocks that were nearly unchanged on the week. The coverage level was well below last years' record high.

Jet fuel coverage increased on a collapse in demand and +0.2 million barrel stock build. Coverage was a record high for this time of year.

Refinery utilization rates declined on a -170,000 bpd decline in crude oil runs; with decreases in PADDs 2, 3 and 5. Crude oil runs for the latest 4-wk period were +324,000 bpd above last year.

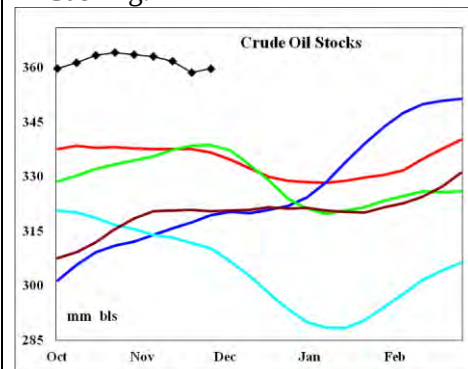
Gasoline yield % on crude oil runs decreased last week on a -148,000 bpd decrease in production versus a -170,000 bpd drop in crude runs. Yield % was sharply below last years' record high.

Distillate yield % on crude oil runs was flat with production down -69,000 bpd compared to the decline in crude oil runs. Yield % matched the 5-year high for the period.

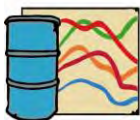
Jet fuel yield % on crude oil runs fell on a -90,000 bpd drop in output, with the yield % below the mid range.

Petroleum Imports were lower for crude oil and all major fuels last week.

During the latest 4-wk period crude oil imports decreased -291,000 bpd compared to last year; distillate imports declined -48,000 bpd; finished gasoline imports decreased -79,000 bpd, gasoline blend stock imports declined -46,000 bpd; jet fuel imports were -13,000 bpd lower, while residual fuel oil imports increased +50,000 bpd. **Crude Oil** imports fell -0.6 million bpd last week and crude oil runs decreased -170,000 bpd. The result was a stock build of +1.1 million barrels, including a +2.7 million barrel build in PADD 3. Stocks increased +0.9 million barrels in Cushing.



¹ Source is latest EIA Weekly Statistics



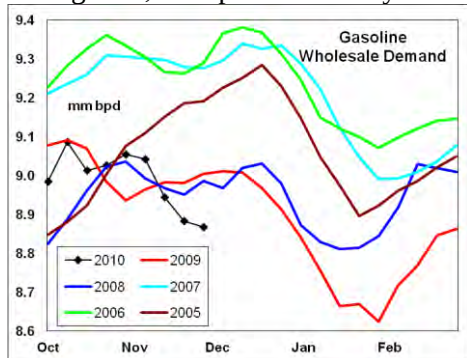
WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

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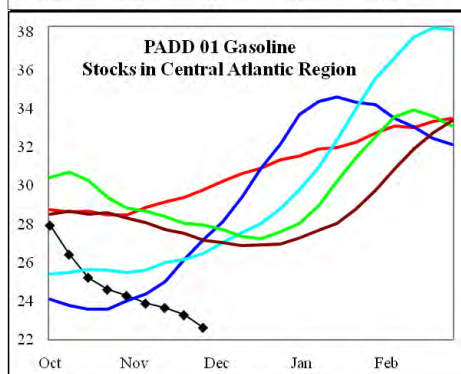
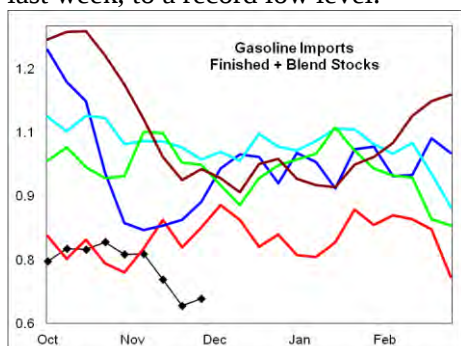
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Product Supply-Demand Trends

Gasoline demand increased +38,000 bpd last week, with the latest 4-wk average -48,000 bpd below last year.



Production declined -148,000 bpd on the week (including a +214,000 bpd EIA adjustment at the U.S. level); with the level falling to the low end of the 5-year range. Imports fell -86,000 bpd last week, to a record low level.



Stocks increased +0.6 million barrels on the week, including a -0.9 million barrel draw in PADD 1.

Supplies fell in the key Central Atlantic Region of PADD 1 last week, pushing stock levels to new record lows in the region.

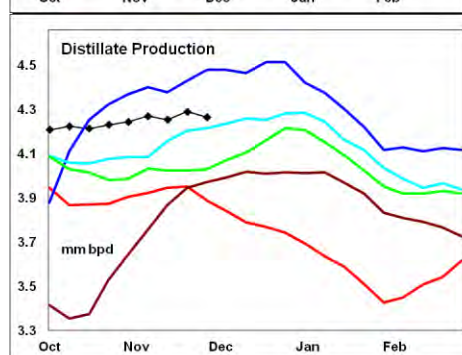
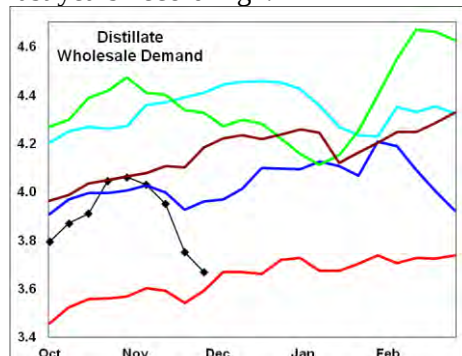
Production fell in all regions on the week, delaying a meaningful improvement in the supply balance. Until the supply balance improves in

the Atlantic Basin, expect price strength for gasoline compared to the overall energy complex.

Distillate demand declined -136,000 bpd on the week, with the latest 4-wk average up +315,000 bpd year-on-year.

Supply declined -87,000 bpd on the week, with both production and imports lower. Production levels remain below the 2008 5-year highs.

Stocks extended the seasonal draw, declining -0.2 million barrels. Stock levels were -7.6 million barrels below last years' record high.



Demand has pulled back sharply from earlier levels, pointing to a slowdown in exports and off road use. Demand is likely to again trend seasonally higher as heating use increases.

Production has been flat for the last 2-months, at high levels, but not record highs. Seasonal production declines begin in early January as Gulf maintenance gets under way.

These trends point to a continued tightening in the supply balance which should support distillate prices.

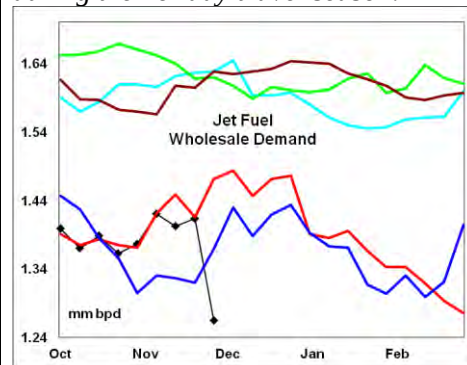
Jet Fuel demand collapsed -211,000 bpd last week; due in part to a drop in direct imports by airlines. The latest 4-wk average demand was -52,000 bpd

below last year.

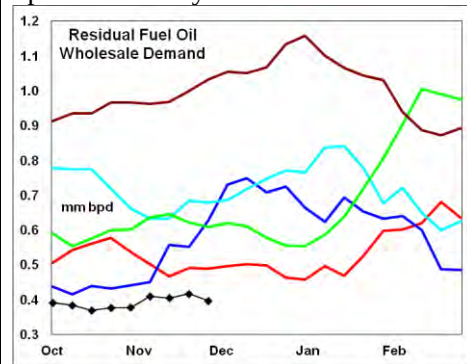
Supply fell -168,000 bpd last week, with both production and imports down sharply. Stocks increased -0.2 million barrels on the week, to a level well above the historic range.

Volatile weekly demand reflects variation in direct imports by airlines, where the imports are placed in private storage. Demand does remain weak as airlines increase efficiency.

Stock levels remain very high, which should assure ample supply during the holiday travel season.

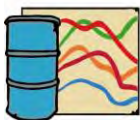


Residual fuel oil demand, including exports, decreased -110,000 bpd last week, with the 4-wk average -31,000 bpd below last year.



Supply (production + imports) increased +46,000 bpd on the week, the result of higher production. The latest 4-wk average was -149,000 bpd below a year ago. Stock levels remain above four of the last five years.

Wholesale demand continues to track at 5-year lows; due to lower production for export and substitution of lower cost natural gas. Stock levels remain very high measured in days of supply.



WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

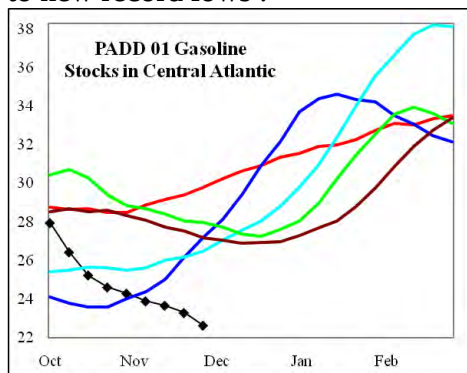
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PADD Supply Trends

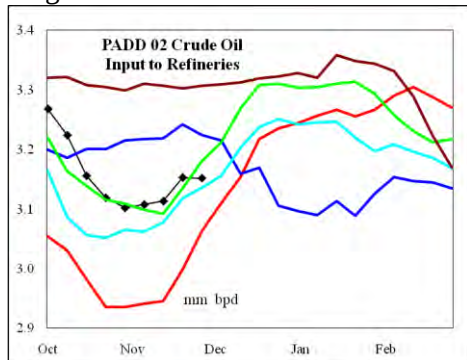
PADD 1 refinery crude oil runs increased +115,000 bpd on the week, with the 4-wk average -330,000 bpd below last years' record low rate. Crude oil imports jumped +283,000 bpd last week, the highest level of the last 2-months.

Gasoline production fell -118,000 bpd, with imports also lower by -153,000 bpd. The sharp drop in supply led to a -0.9 million barrel stock draw. Stock levels in the key Central Atlantic Region fell to new record lows.



Distillate supply decreased -25,000 bpd last week. Stocks decreased -0.4 million barrels last week, with the level -5 million barrels below last year.

Jet fuel supply increased +11,000 bpd to a level near last years' lows. Stocks declined -0.4 million barrels last week, to a level above the mid range.



PADD 2 crude oil refinery runs declined -51,000 bpd last week, to a level below the 5-year mid range for the period. Imports declined -211,000 bpd on the week, a level well below the mid range. Stocks were nearly

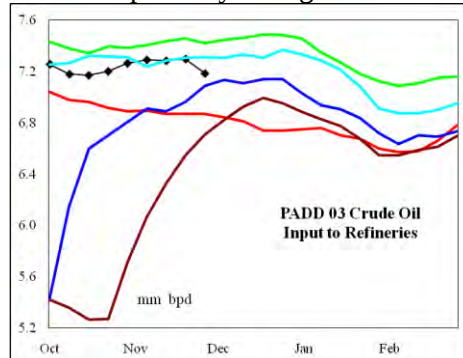
unchanged on the week. Stocks increased +0.9 million barrels in Cushing.

Gasoline production fell -140,000 bpd, to a level near 5-year lows for the week. Stocks increased +0.5 million barrels on the week, although the level remains near historic lows.

Distillate production increased +18,000 bpd on the week, to a level at the mid range. Stocks increased +0.2 million barrels to a level near the mid range.

Jet fuel production fell -55,000 bpd on the week, to below the historic range. Stock levels remain above the historic range.

PADD 3 crude oil runs declined -136,000 bpd last week, with the latest 4-wk average +440,000 bpd above a year ago. Crude imports decreased -117,000 bpd on the week, with the level +3% above the 5-year low. Stocks increased +2.7 million barrels, ending the week +4 million barrels above the prior 5-year high.



Gasoline production decreased -56,000 bpd on the week. Stocks increased +0.4 million barrels last week with the level +3.2 million barrels above the prior record high.

Distillate production fell -149,000 bpd last week, a level above the historic range. Stocks declined -1 million barrels, to a level below last years' record high.

Jet fuel production decreased -4,000 bpd last week, to a level above the last 2-years. Stocks increased +0.3 million barrels on the week. Stock levels were +3 million barrels above the prior record high.

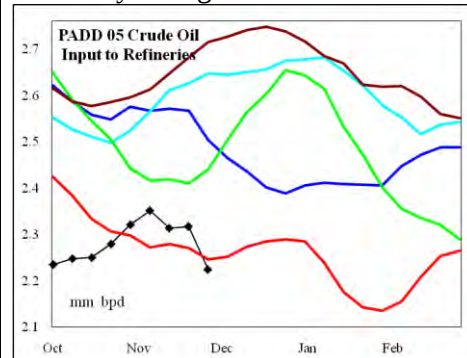
Residual fuel oil supply increased +18,000 bpd on higher production last week. Stock levels ended the week +2.7 million barrels above the prior record high.

PADD 4 refinery crude runs increased +9,000 bpd on the week, to a at the upper end of the historic range. Crude oil stock levels remain above the historic range.

Gasoline production fell -35,000 bpd on the week, to the mid range. Stock levels remain at the upper end of the historic range.

Distillate production increased +4,000 bpd last week, to a level near the mid range. Stock levels were at the upper end of the historic range.

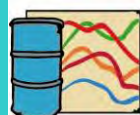
PADD 5 crude oil refinery runs declined -108,000 bpd on the week to a level below the historic range. Crude imports reversed the prior week surge, falling -496,000 bpd. Stocks levels match 5-year highs.



Gasoline production decreased -13,000 bpd last week, to a level near the 5-year mid range. Stocks increased +0.7 million barrels, to a level at the upper end of the historic range.

Distillate production increased +69,000 bpd on the week, to a level at the upper end of the historic range. Stocks increased +0.8 million barrels to a level at the upper end of the historic range.

Jet fuel supplies reversed last weeks' surge, falling -120,000 bpd; driven by lower production and imports. Stocks increased +0.4 million barrels to a level above the mid range.


**FUNDAMENTAL
PETROLEUM
TRENDS**


PETROLEUM: Graph Link and Weekly Summary

A Fundamental Petroleum Trends Weekly Report

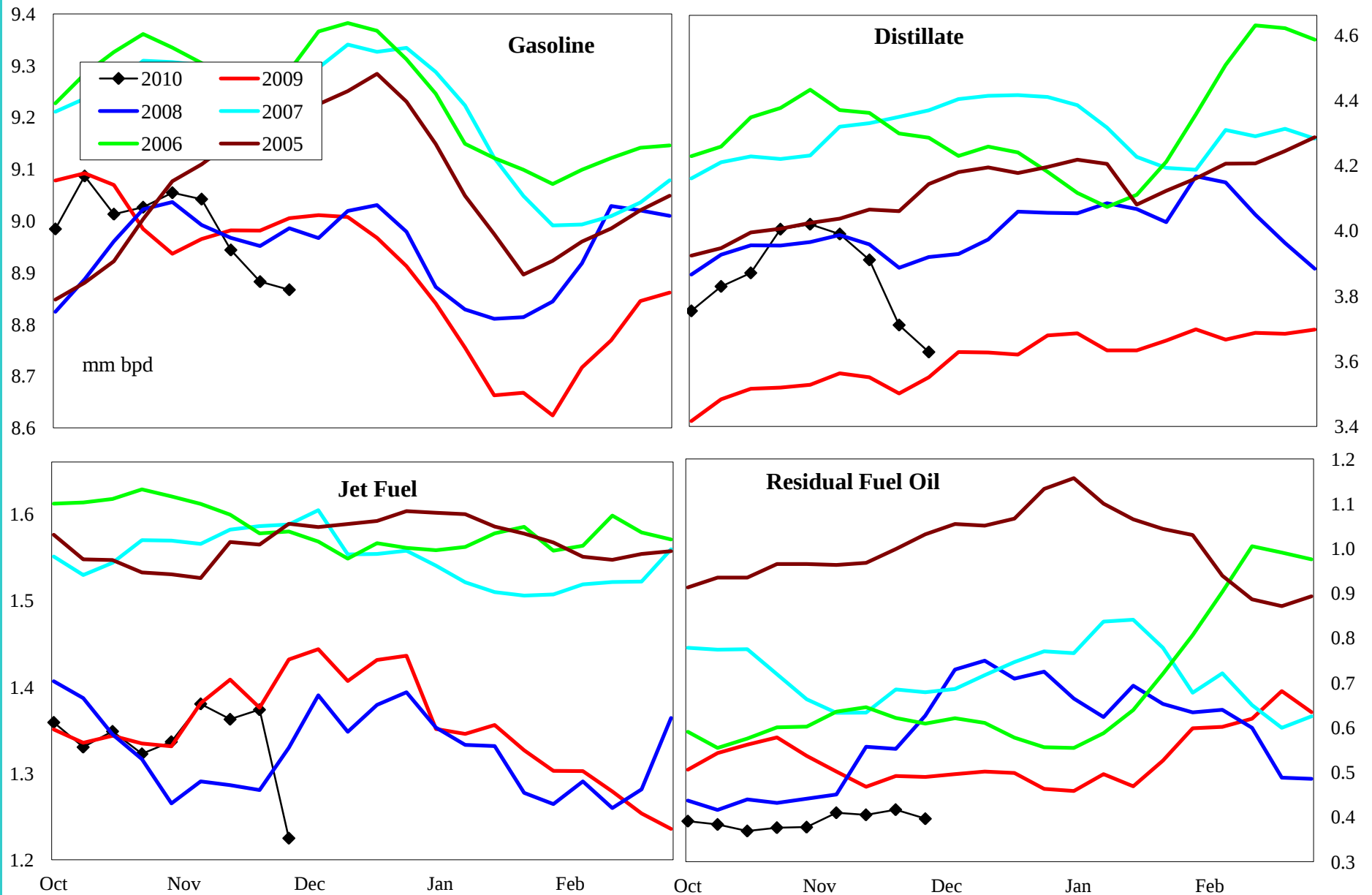
December 1, 2010

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Fundamental Trends	<u>Wholesale Demand</u>	<u>Stocks Days Fwd Coverage</u>	<u>Refinery Utilization</u> <u>Product Yield %</u>				<u>Imports</u>
Supply/Demand Trends	26-Nov-10	EIA-DOE CHANGE FROM PRIOR WEEK					
	000 bpd stocks 000 bls	U. S. Total	PADD				
			1	2	3	4	5
<u>Crude Oil</u>	Stocks	1,066	-350	-150	2,689	-301	-822
	Imports	-578	283	-211	-117	-37	-496
	Input	-170	115	-51	-136	9	-108
	% Utilization	-2.90					
<u>Gasoline</u>	Stocks	561	-937	477	363	-74	733
	Production	-148	-118	-140	-56	-35	-13
	Imports	-86	-153	-2	71	0	-2
	Supplied	38					
<u>Distillate</u>	Stocks	-194	-385	238	-1,010	150	814
	Production	-69	-10	18	-149	4	69
	Imports	-18	-15	0	0	-3	0
	Supplied	-136					
<u>Jet Fuel</u>	Stocks	214	-353	-209	344	25	410
	Production	-90	7	-55	-4	2	-38
	Imports	-78	4	0	0	0	-82
	Supplied	-211					
<u>Residual Fuel Oil</u>	Stocks	383	-753	56	1,313	18	-251
	Production	76	7	-4	73	3	-3
	Imports	-30	15	9	-55	0	0
	Supplied	-110					

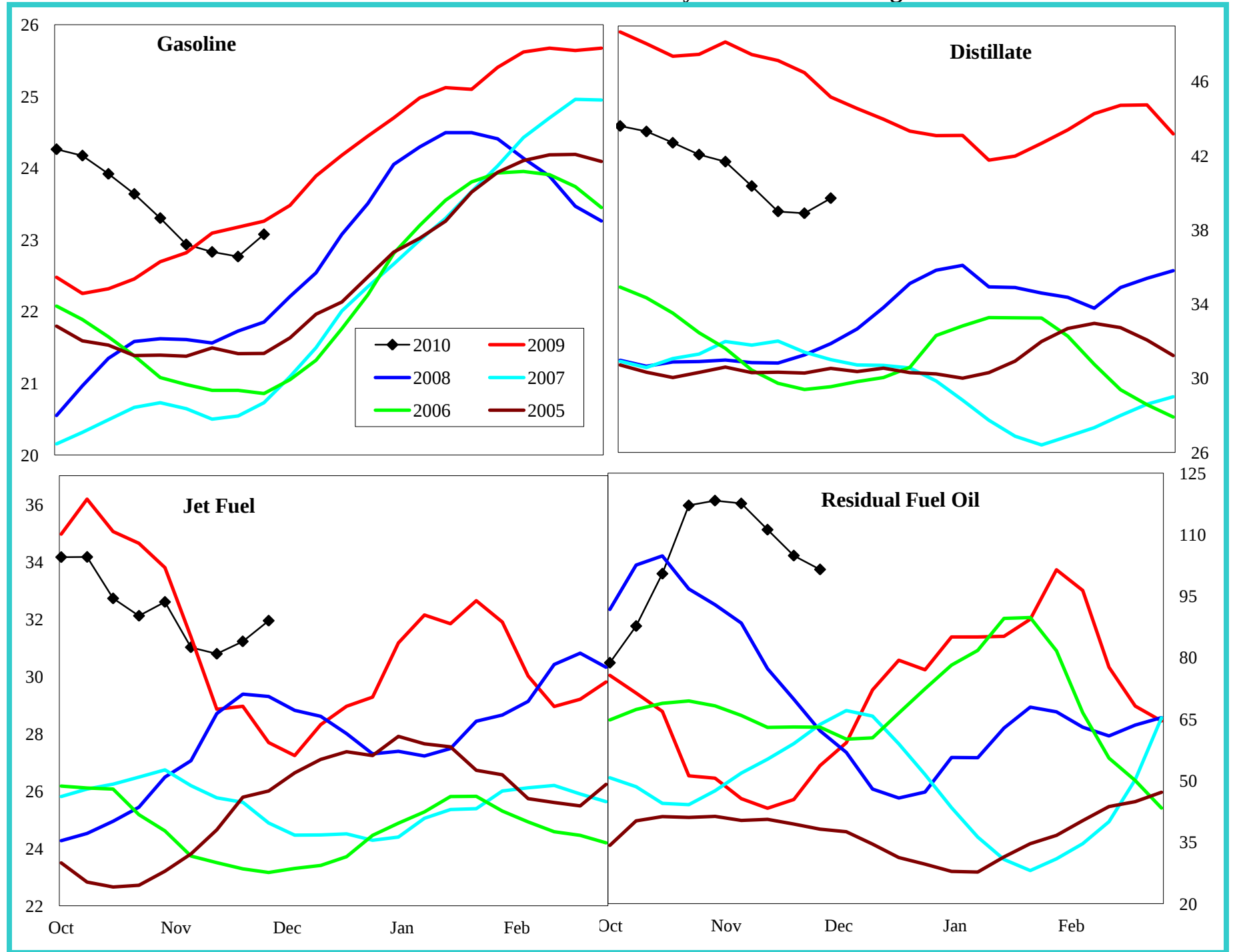
United States Wholesale Petroleum Demand



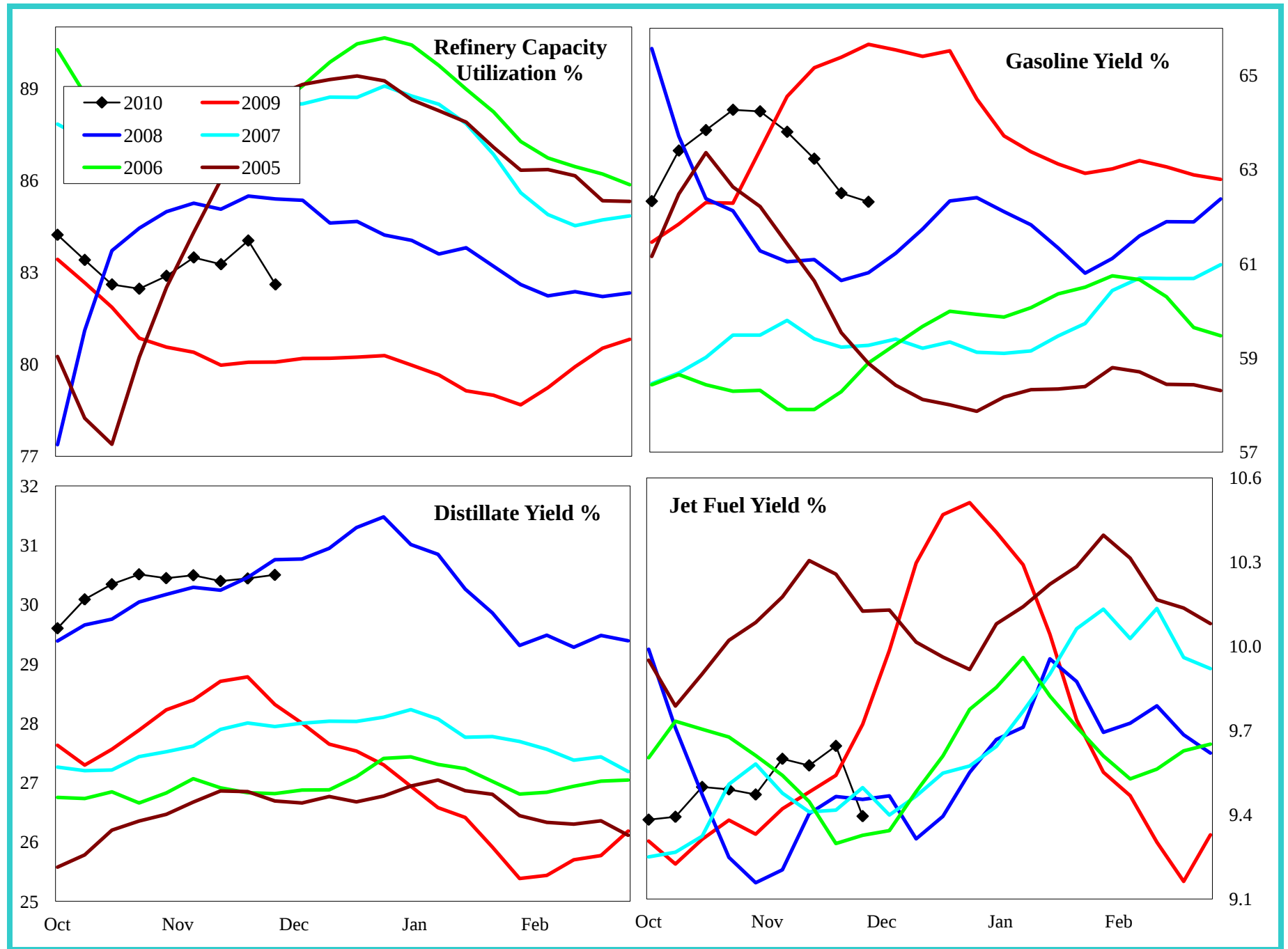
	000 bpd change from prior year				% change from prior year			
	4wk avg	Oct	Jan	Jan	4wk avg	Oct	Sep	Aug
Gasoline	-48	94	149	76	-0.5	1.0	1.7	0.8
Distillate	315	476	229	364	8.8	13.0	6.4	10.6
Jet Fuel	-52	-16	36	0	-3.6	-1.2	2.5	0.0
Resid	-31	-110	76	-22	-6.9	-22.2	22.4	-4.7



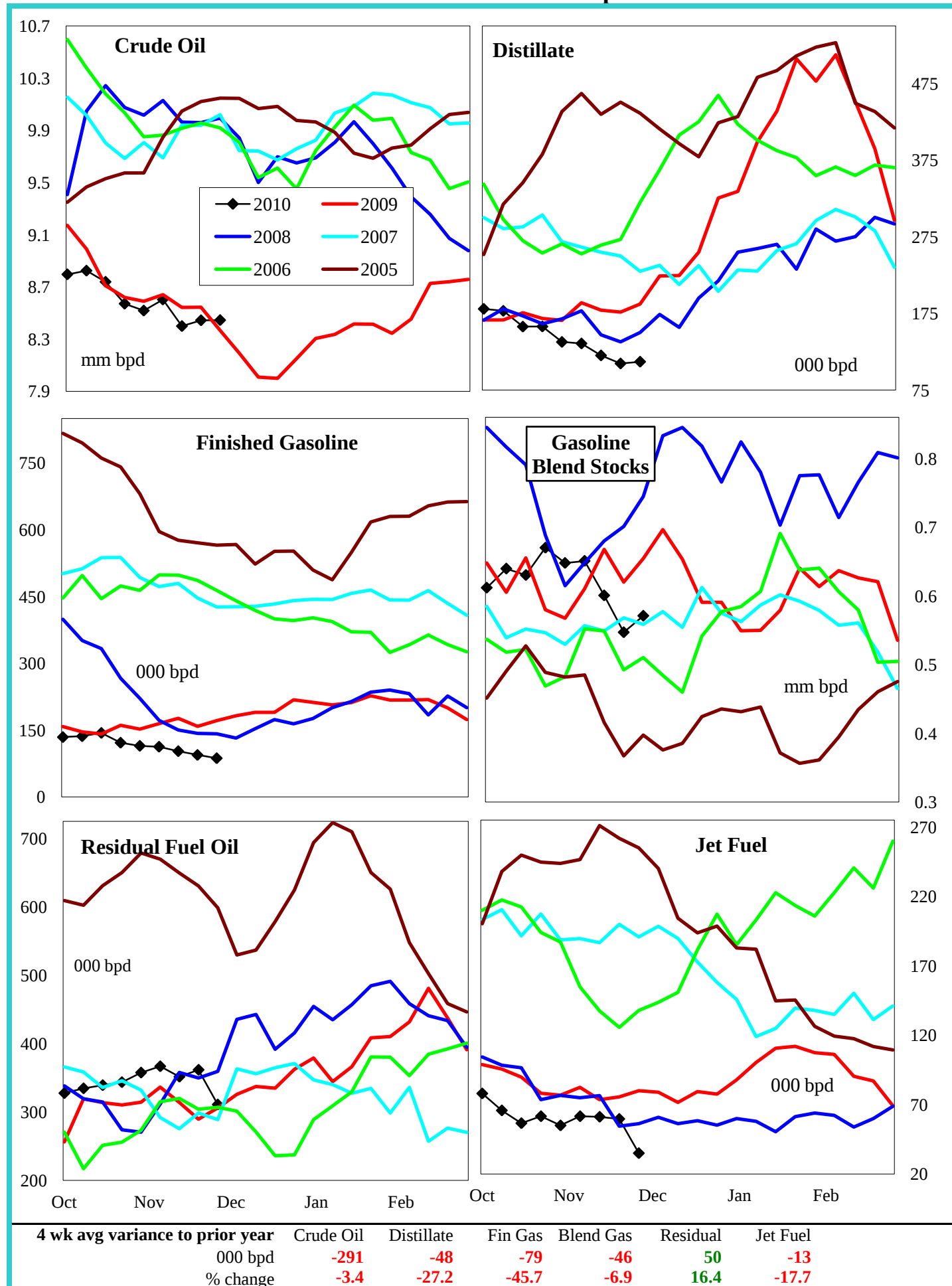
United States Product Stocks: Days Forward Coverage



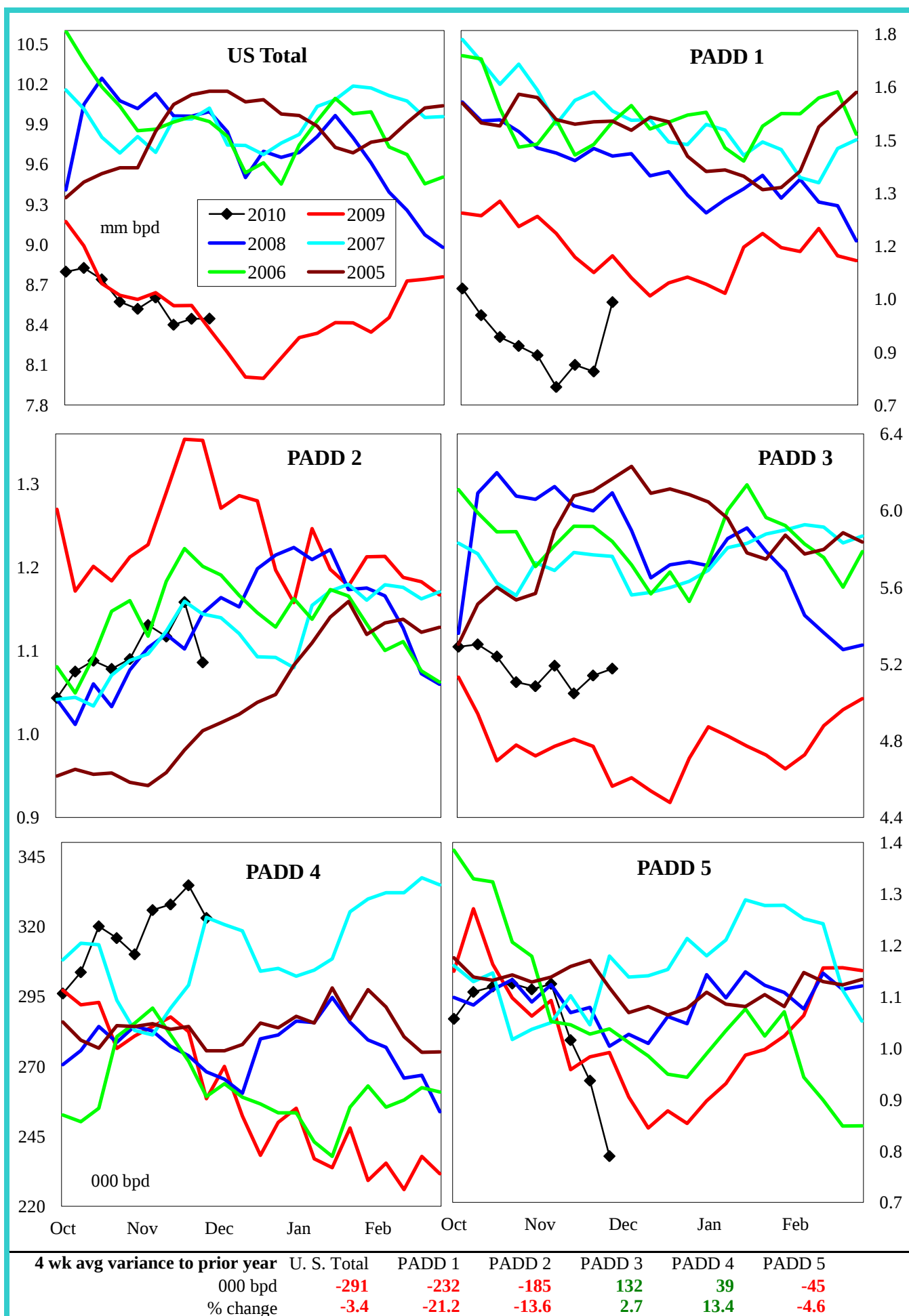
United States Refinery Percent Utilization Rate and Product Yields



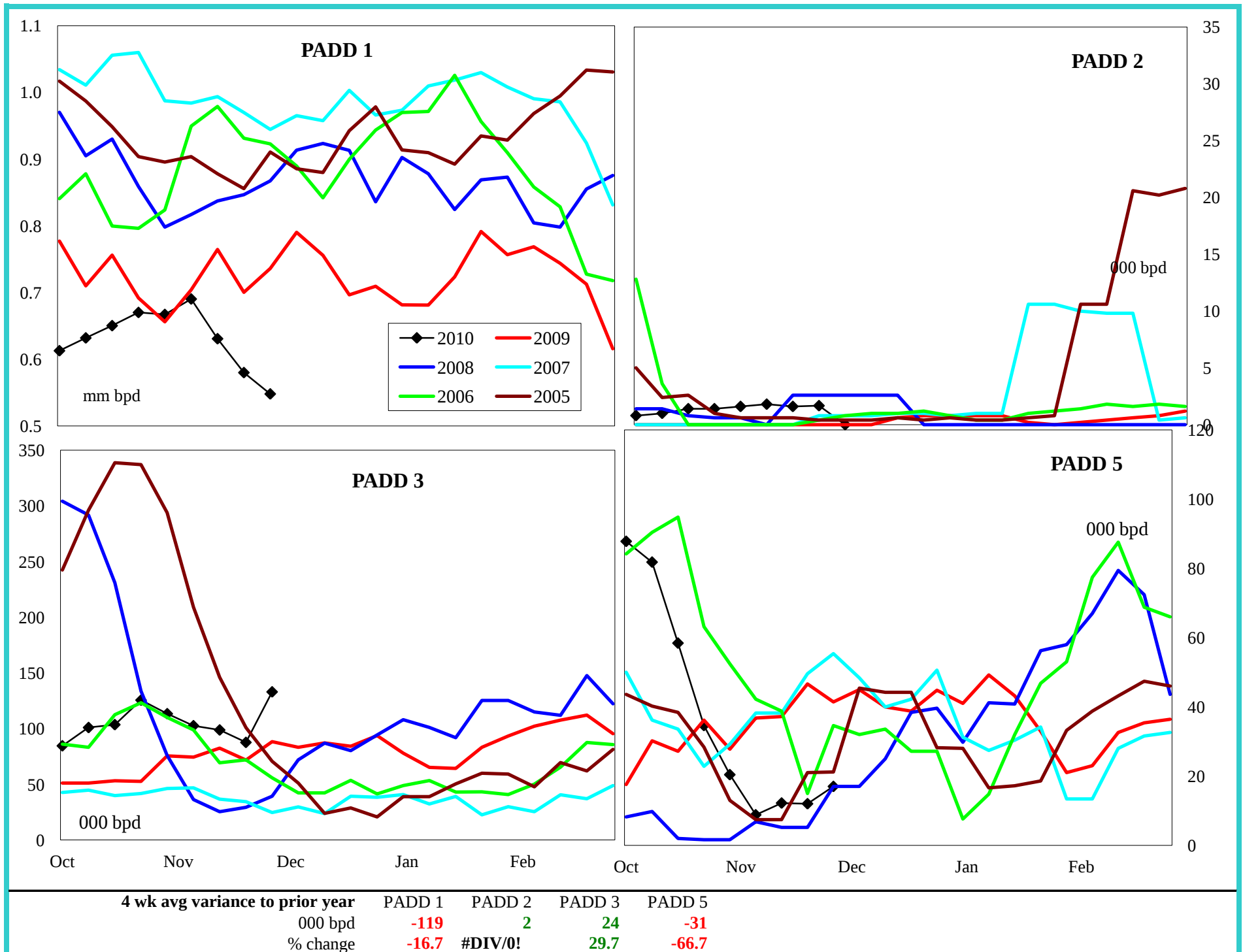
United States Petroleum Imports



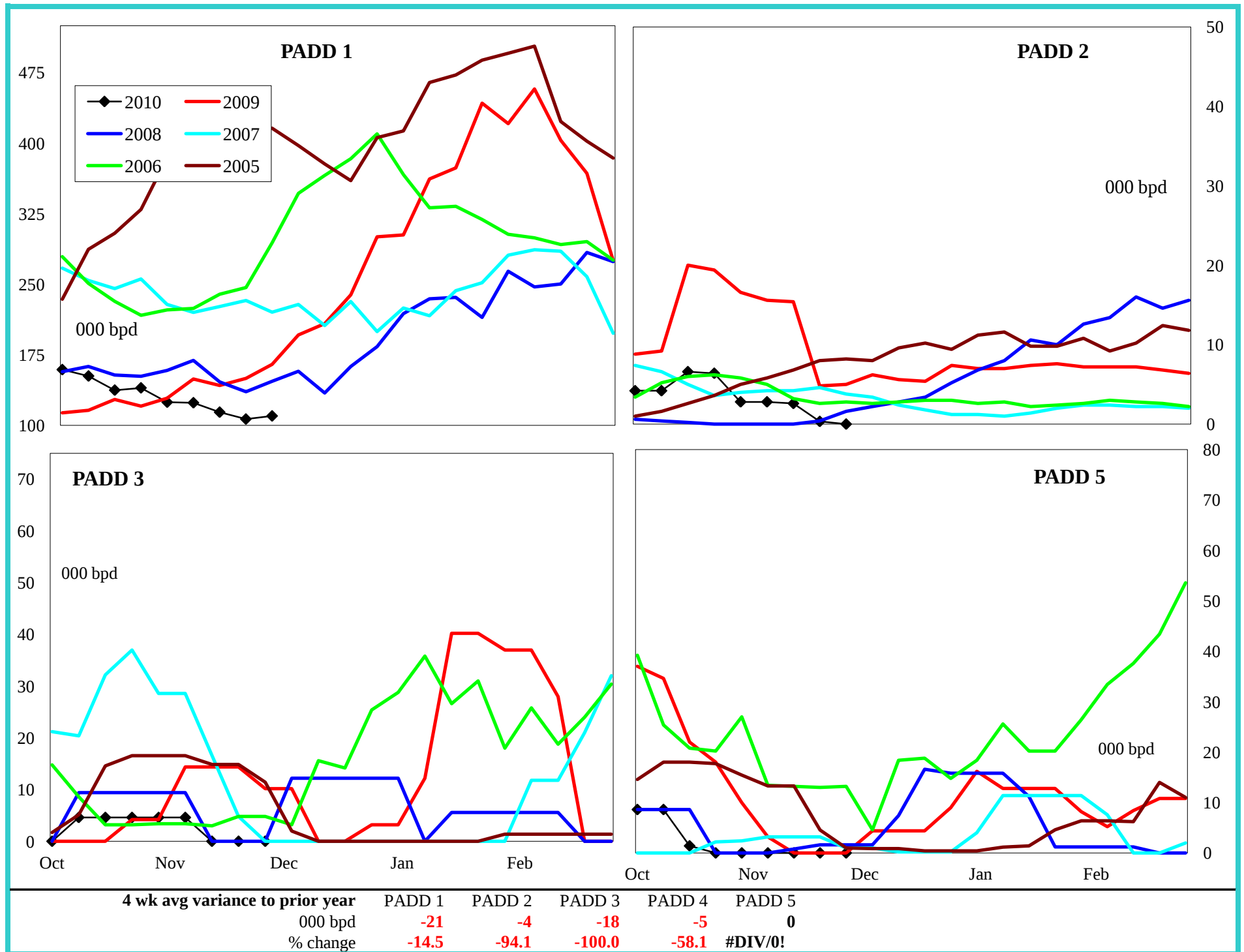
Crude Oil Imports by PADD



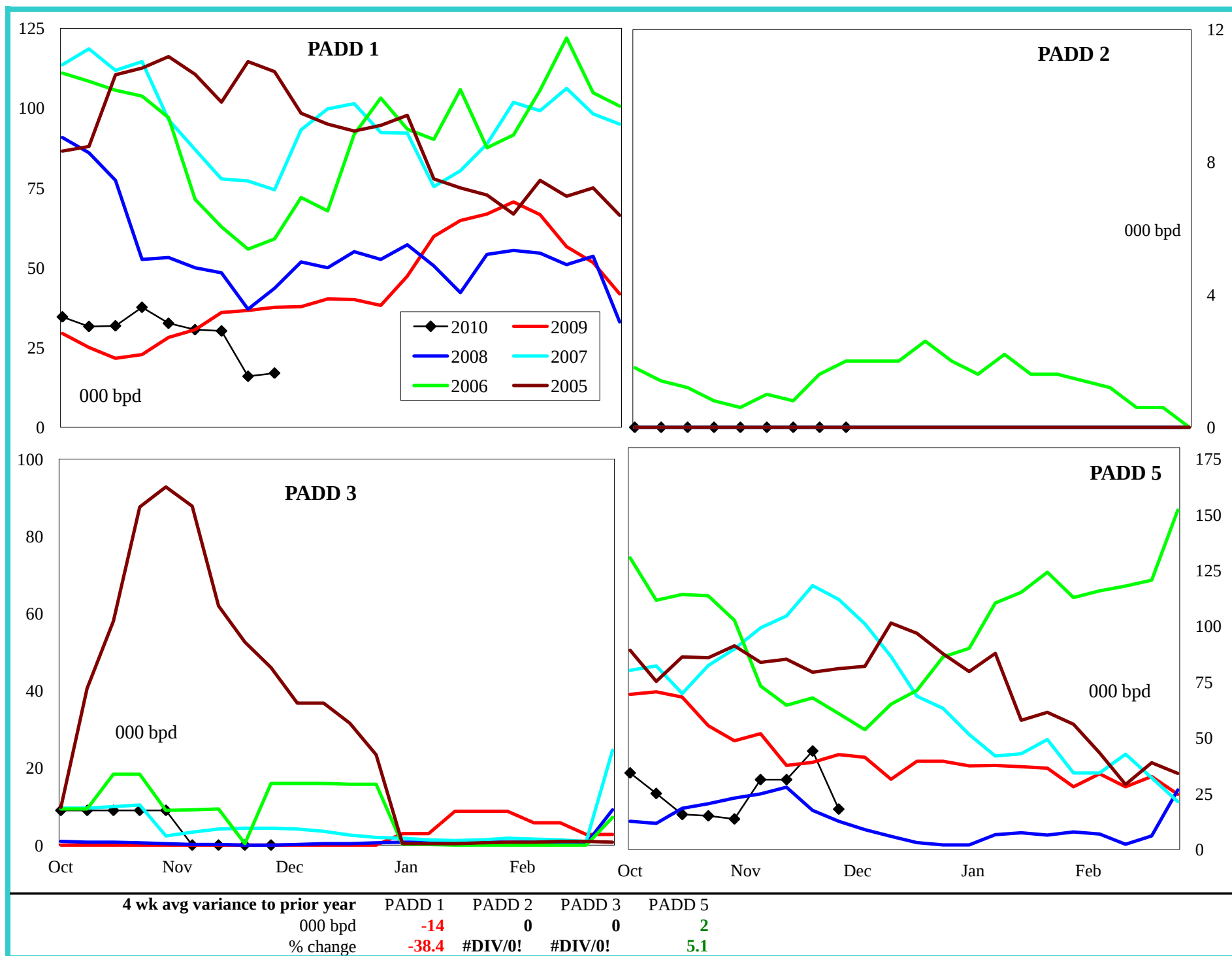
Gasoline Imports by PADD (Finished + Blend Stocks)



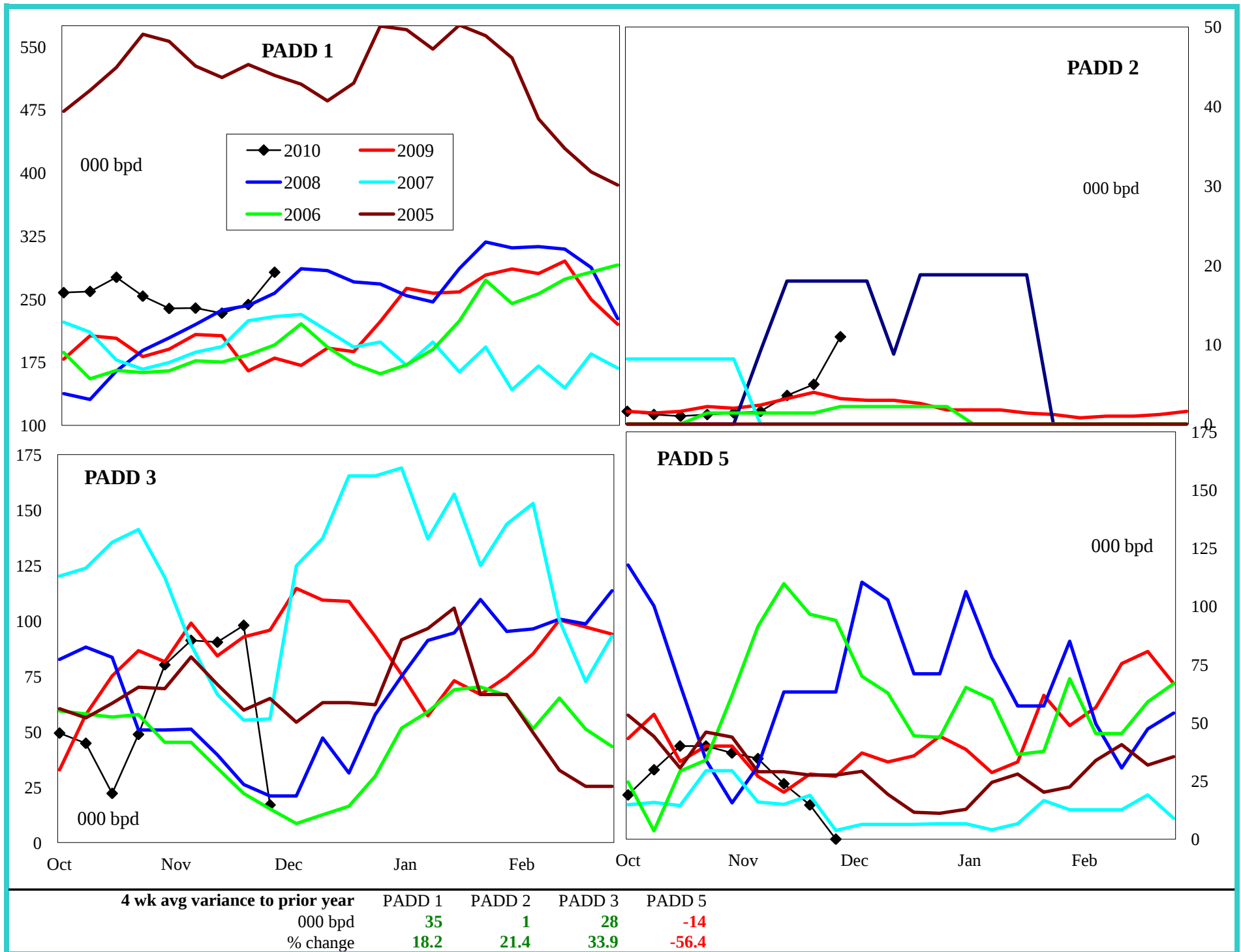
Distillate Imports by PADD



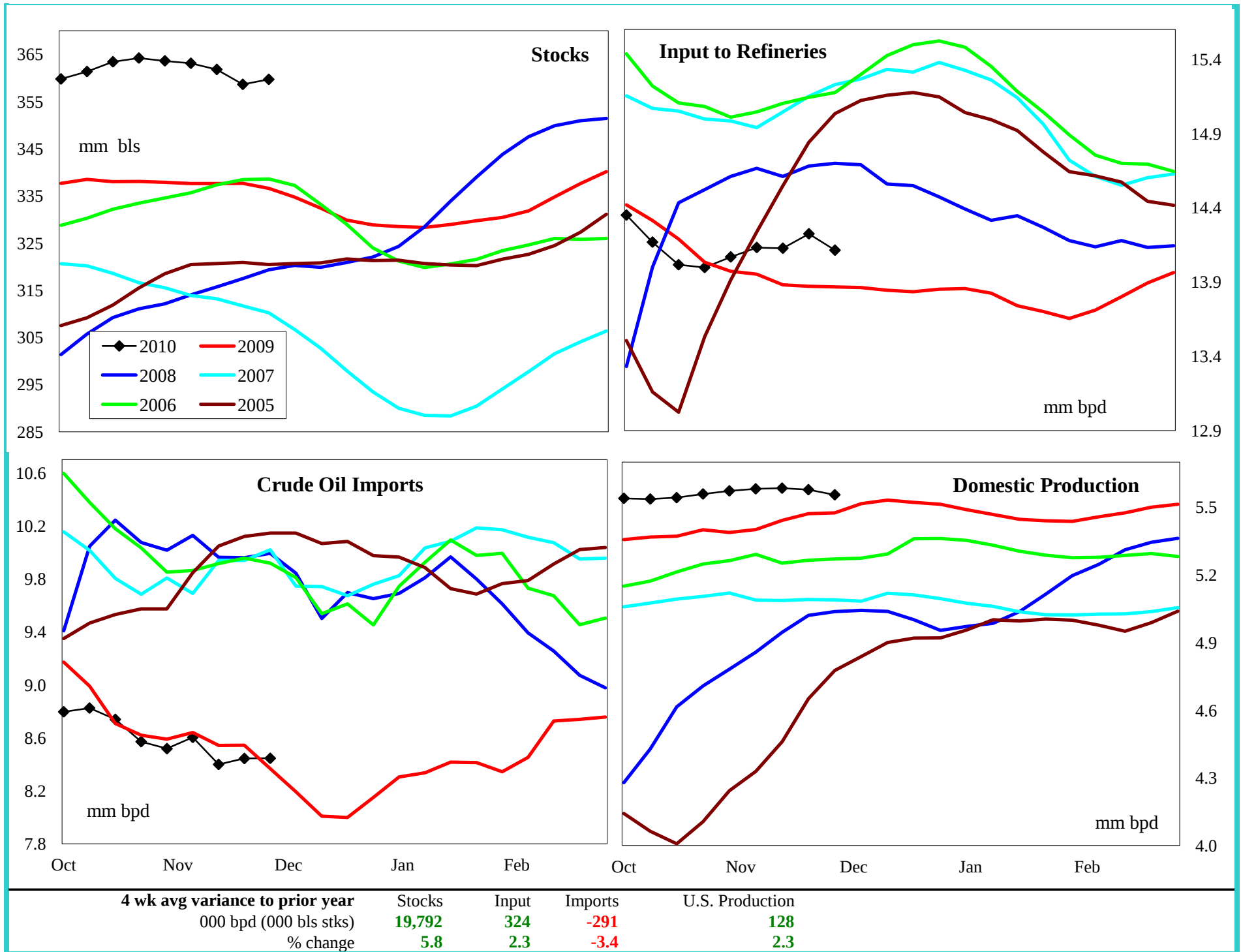
Jet Fuel Imports by PADD



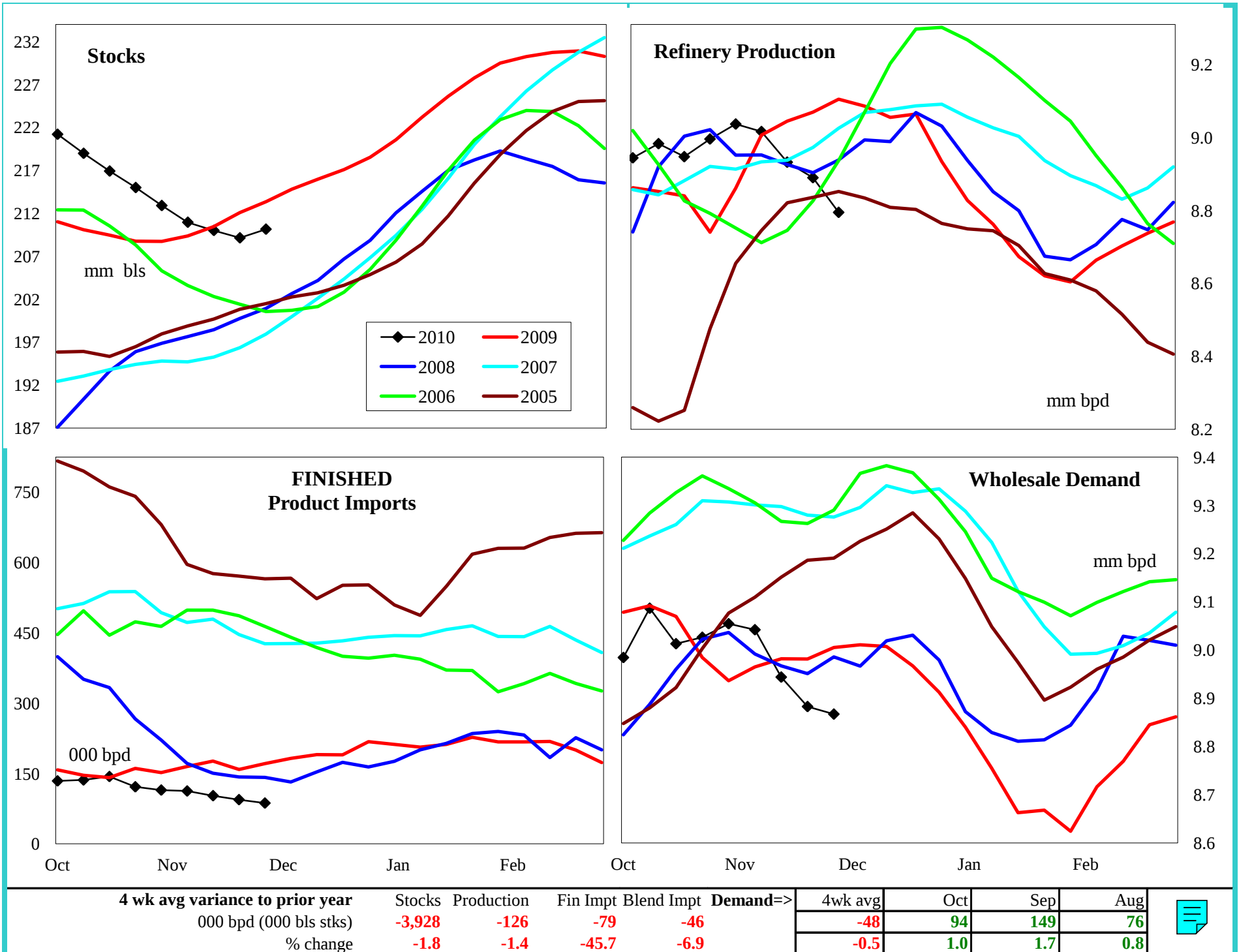
Residual Fuel Oil Imports by PADD



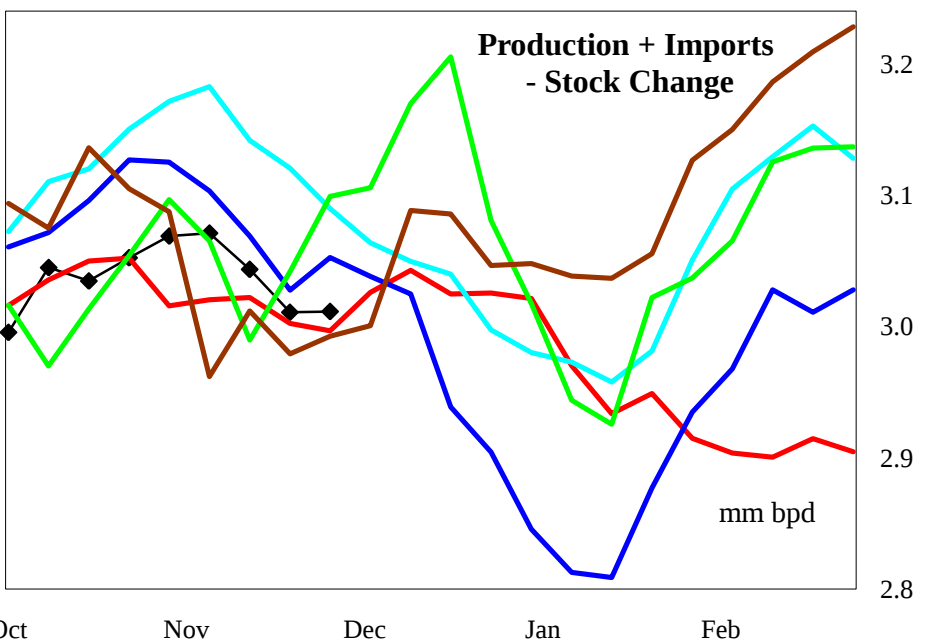
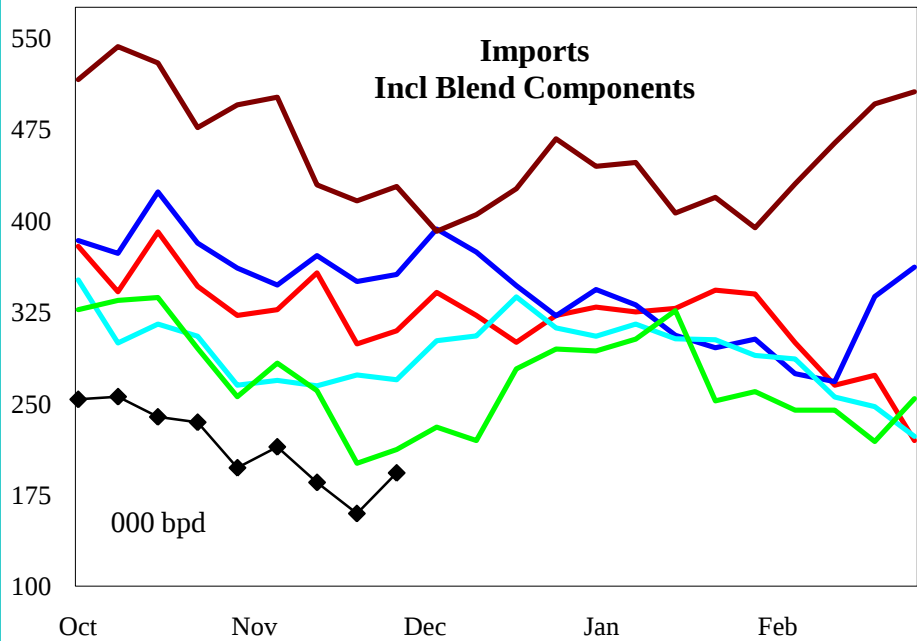
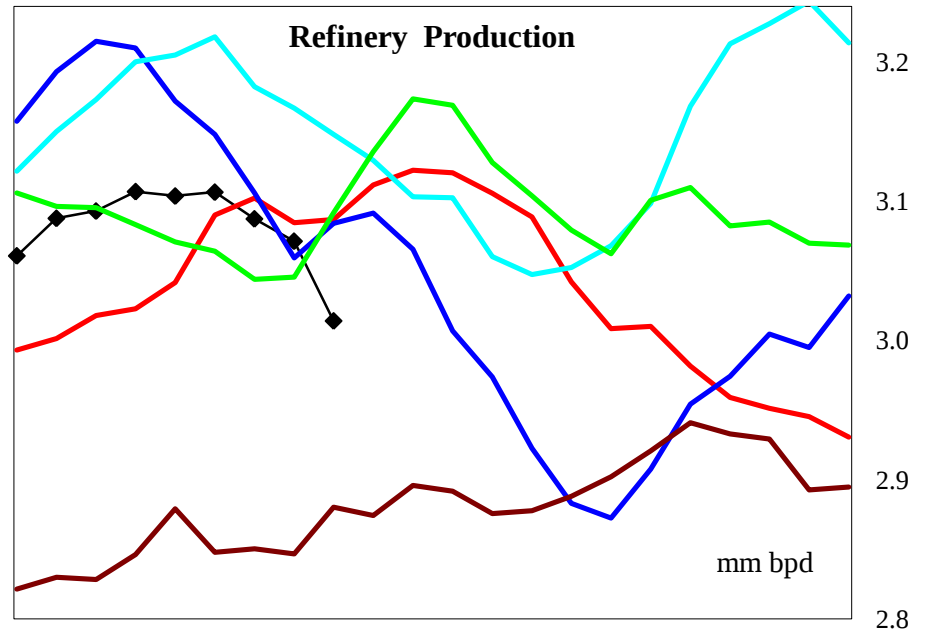
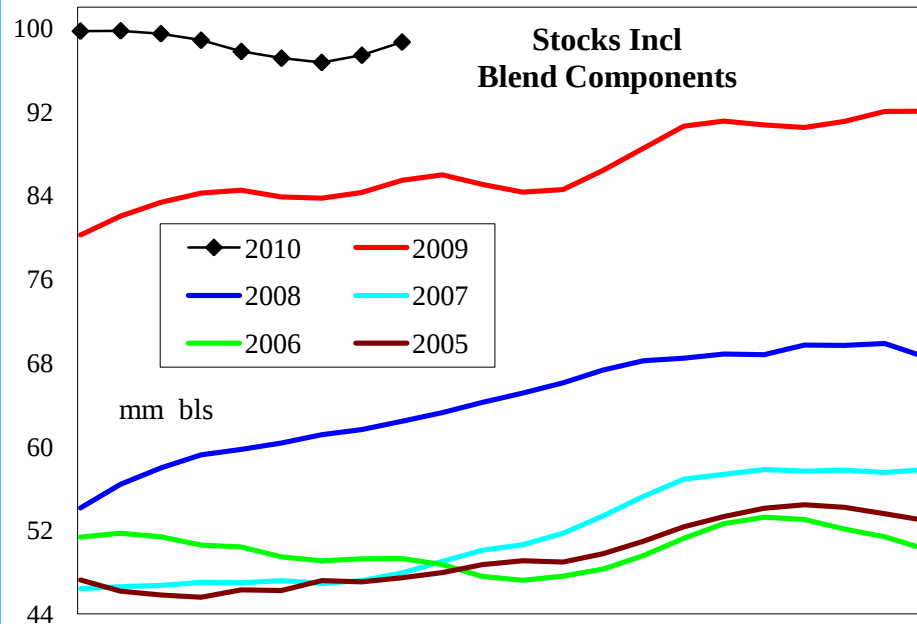
United States Crude Oil Supply and Demand Balance



United States Gasoline Supply and Demand Balance



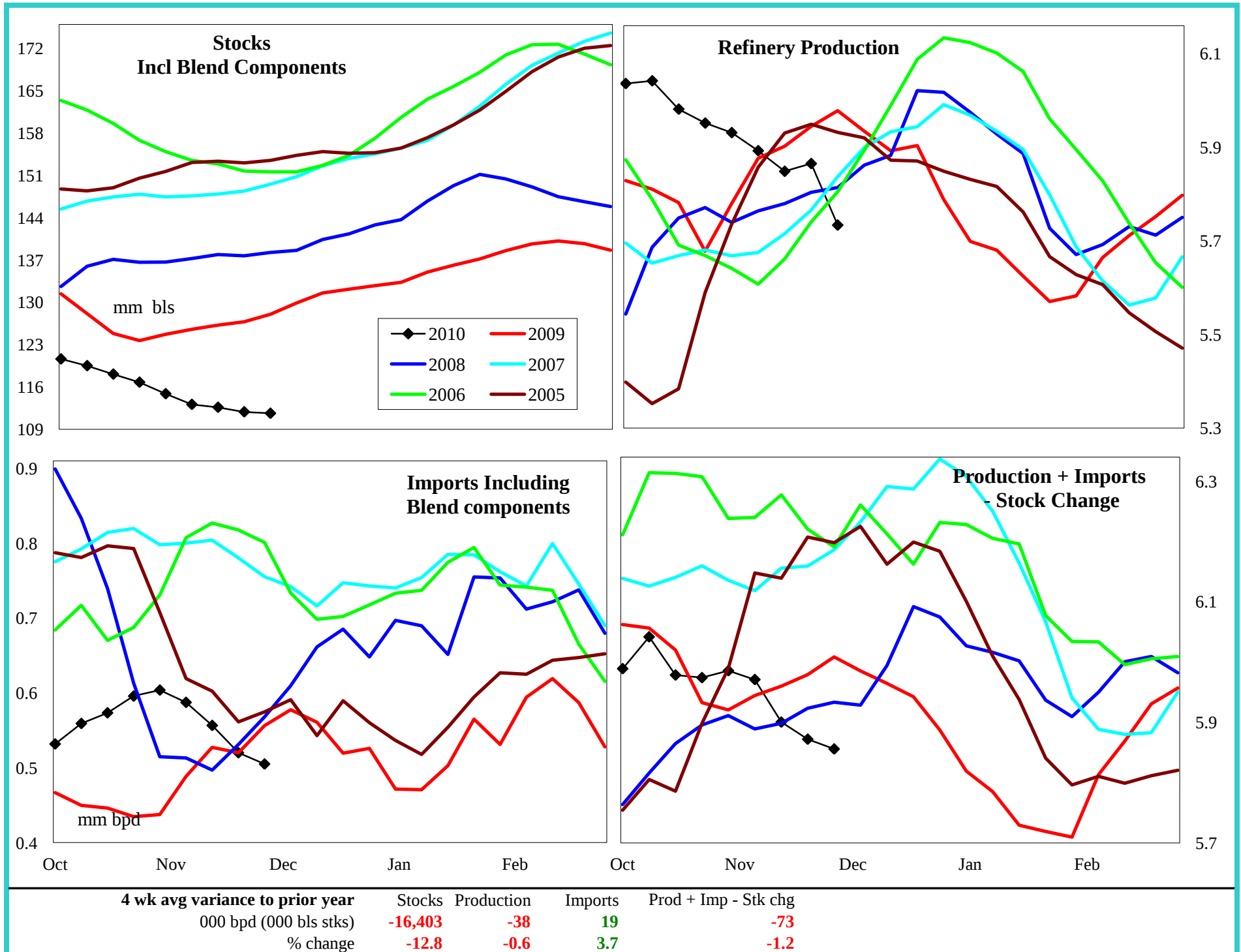
United States Reformulated Gasoline Supply



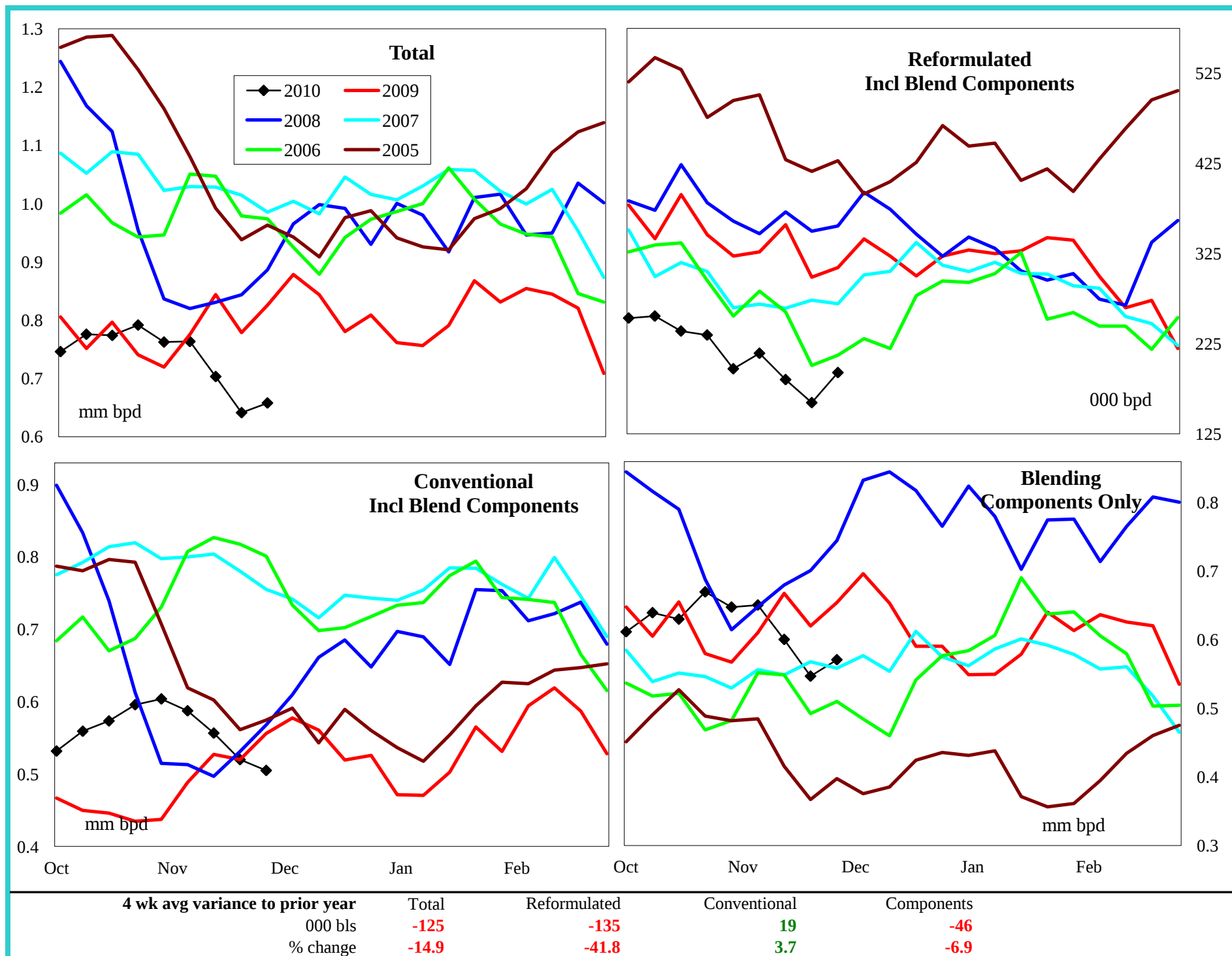
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Imports	Prod + Imp - Stk chg
13,224	-20	-135	24
15.5	-0.6	-41.8	0.8

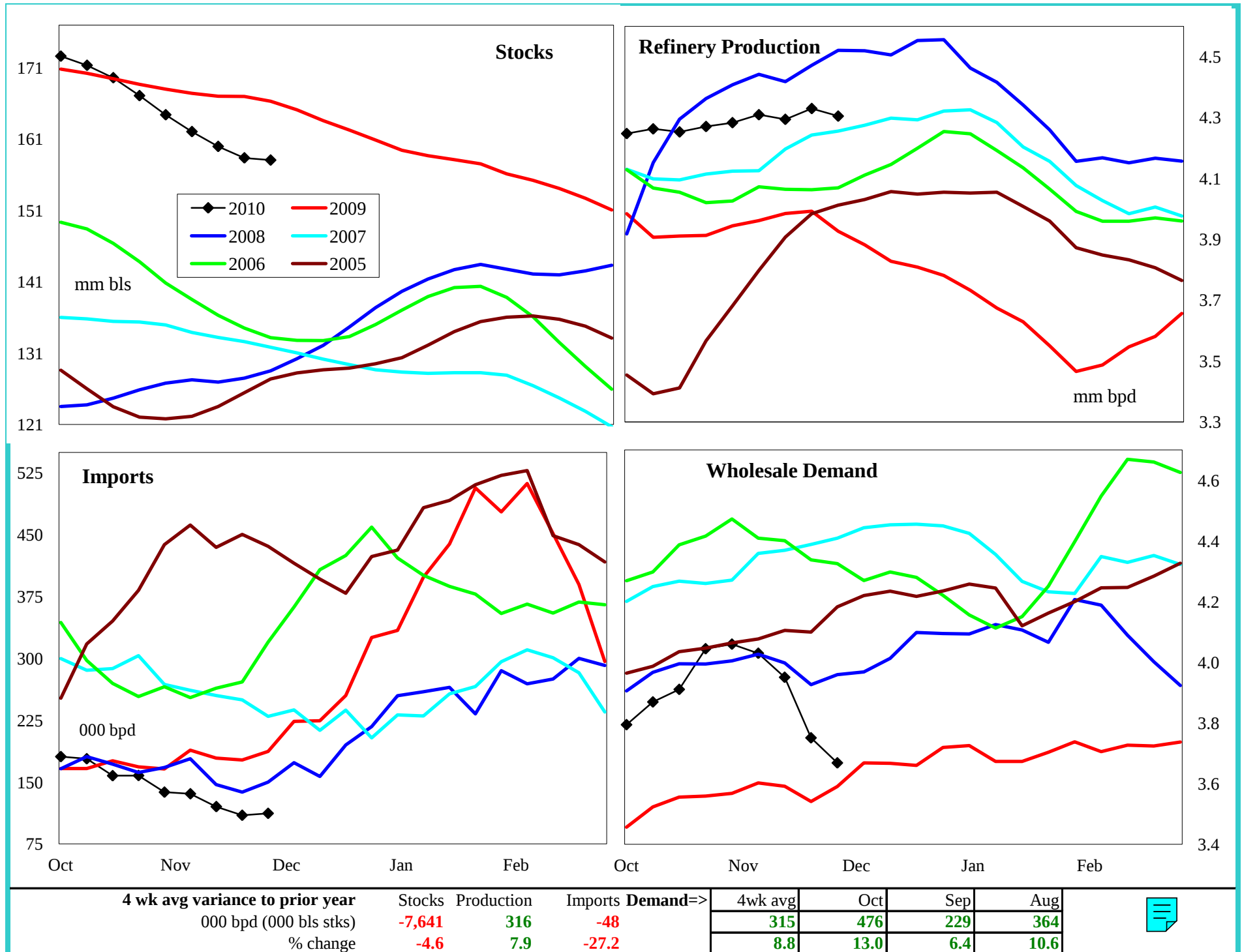
United States Conventional Gasoline Supply



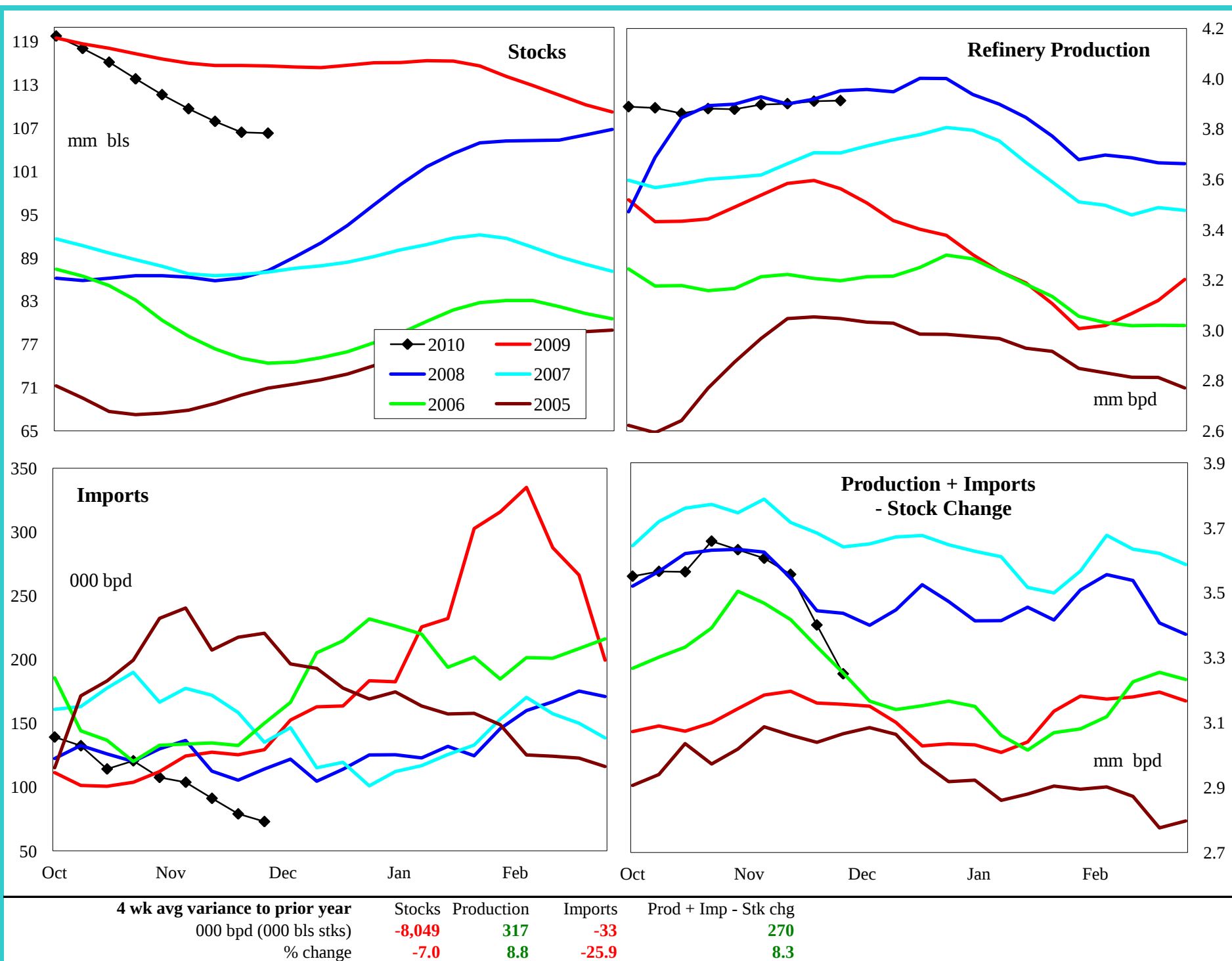
United States Gasoline Imports by Type



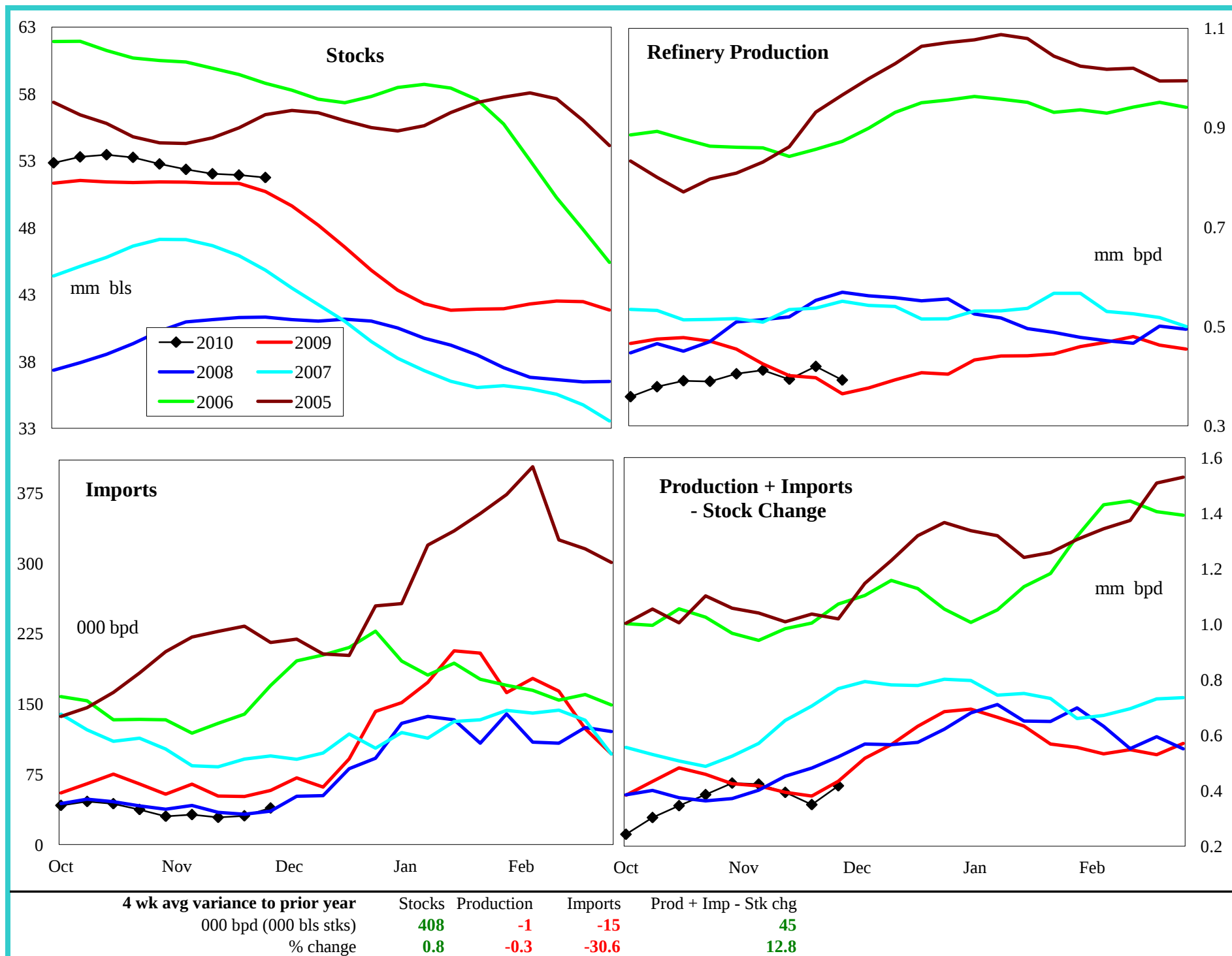
United States Distillate Supply and Demand Balance



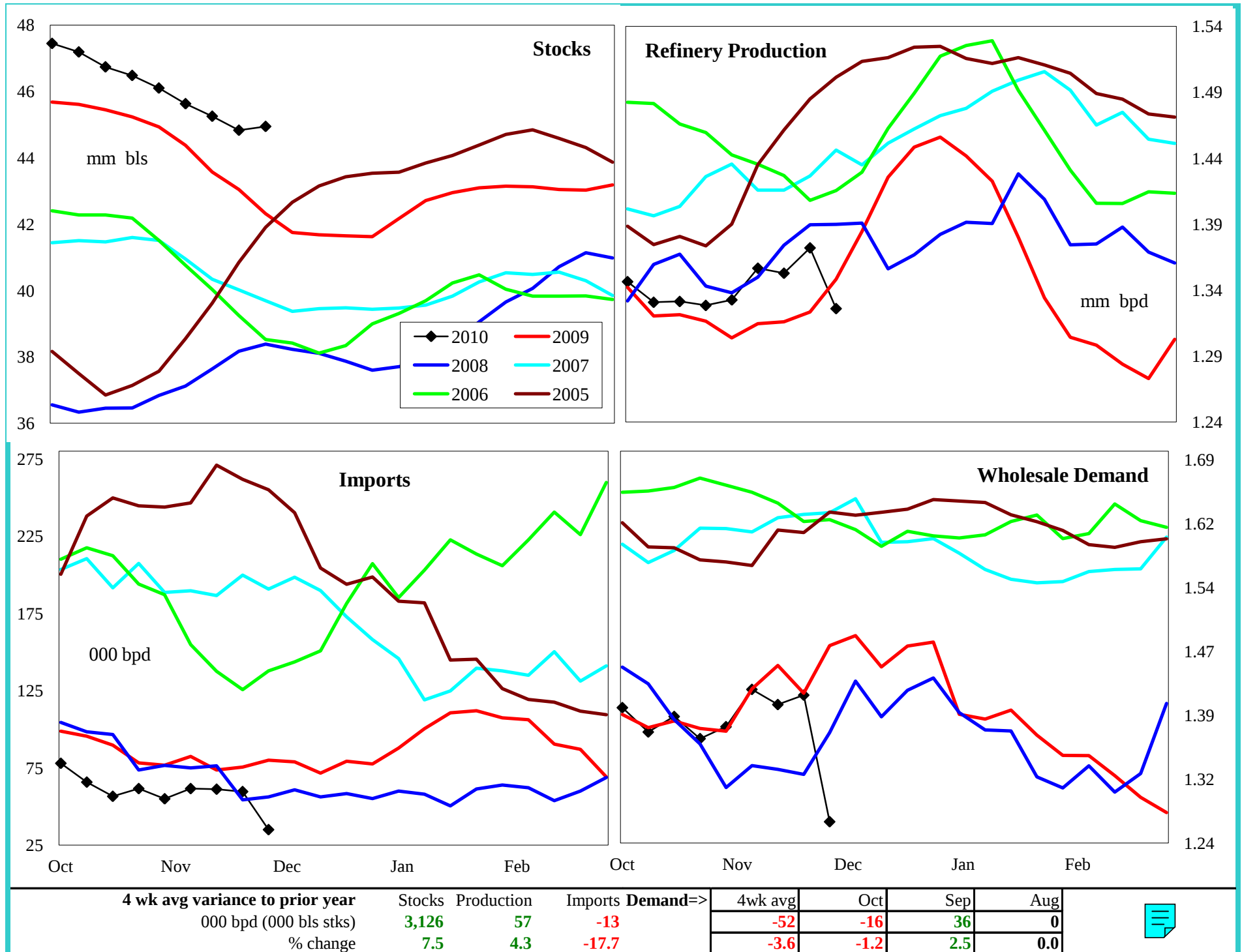
United States Low Sulfur Distillate Supply



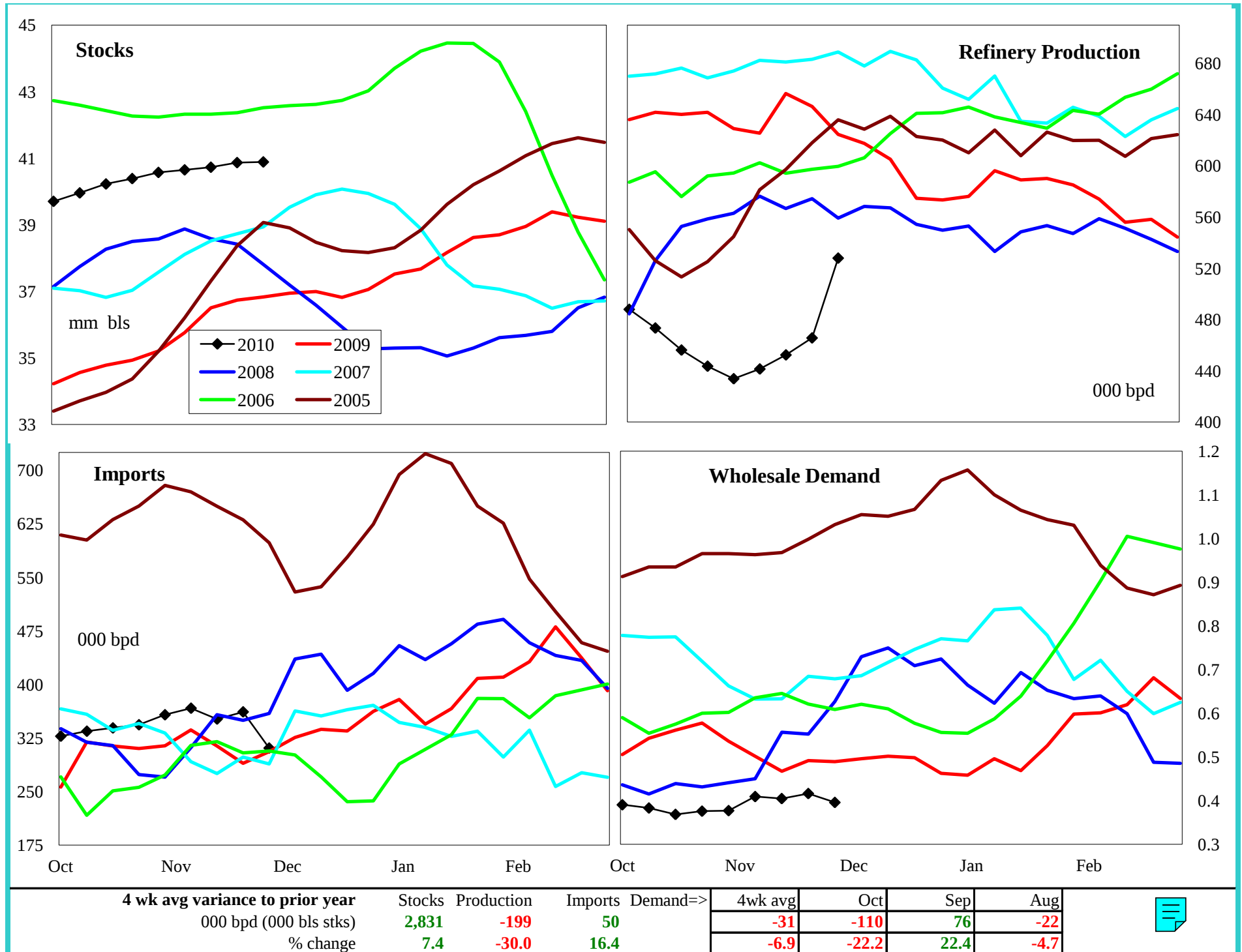
United States High Sulfur Distillate Supply



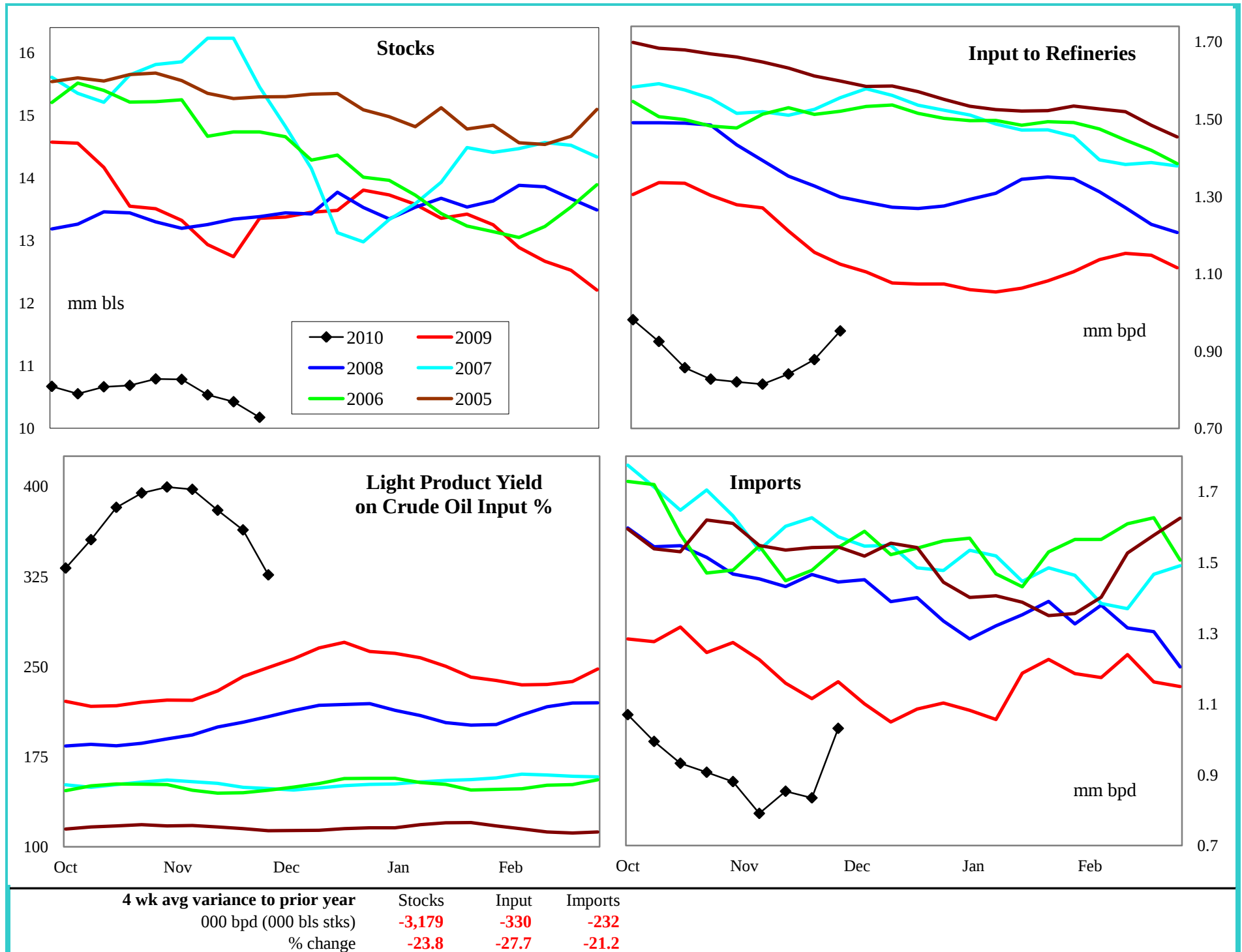
United States Jet Fuel Supply and Demand Balance



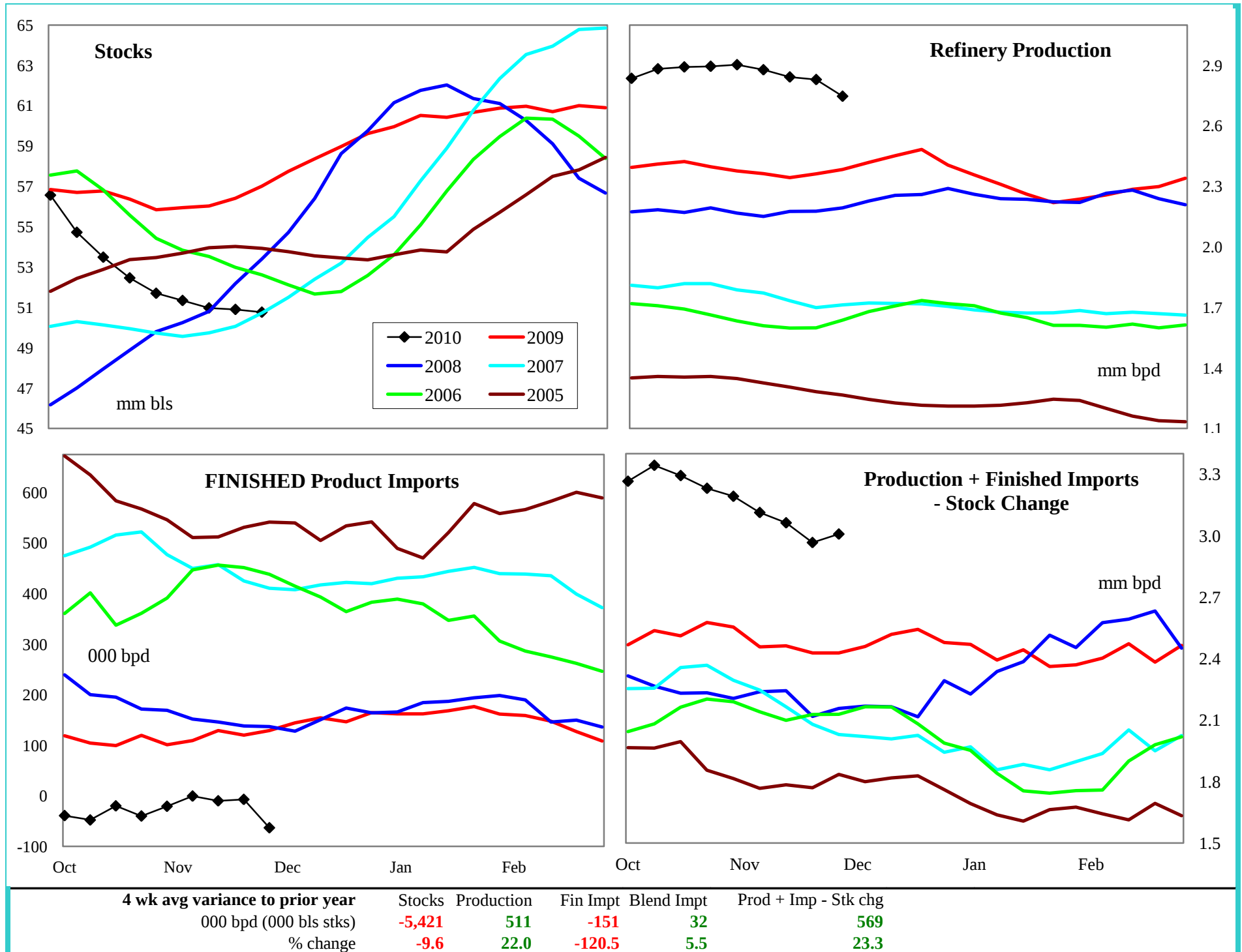
United States Residual Fuel Oil Supply and Demand Balance



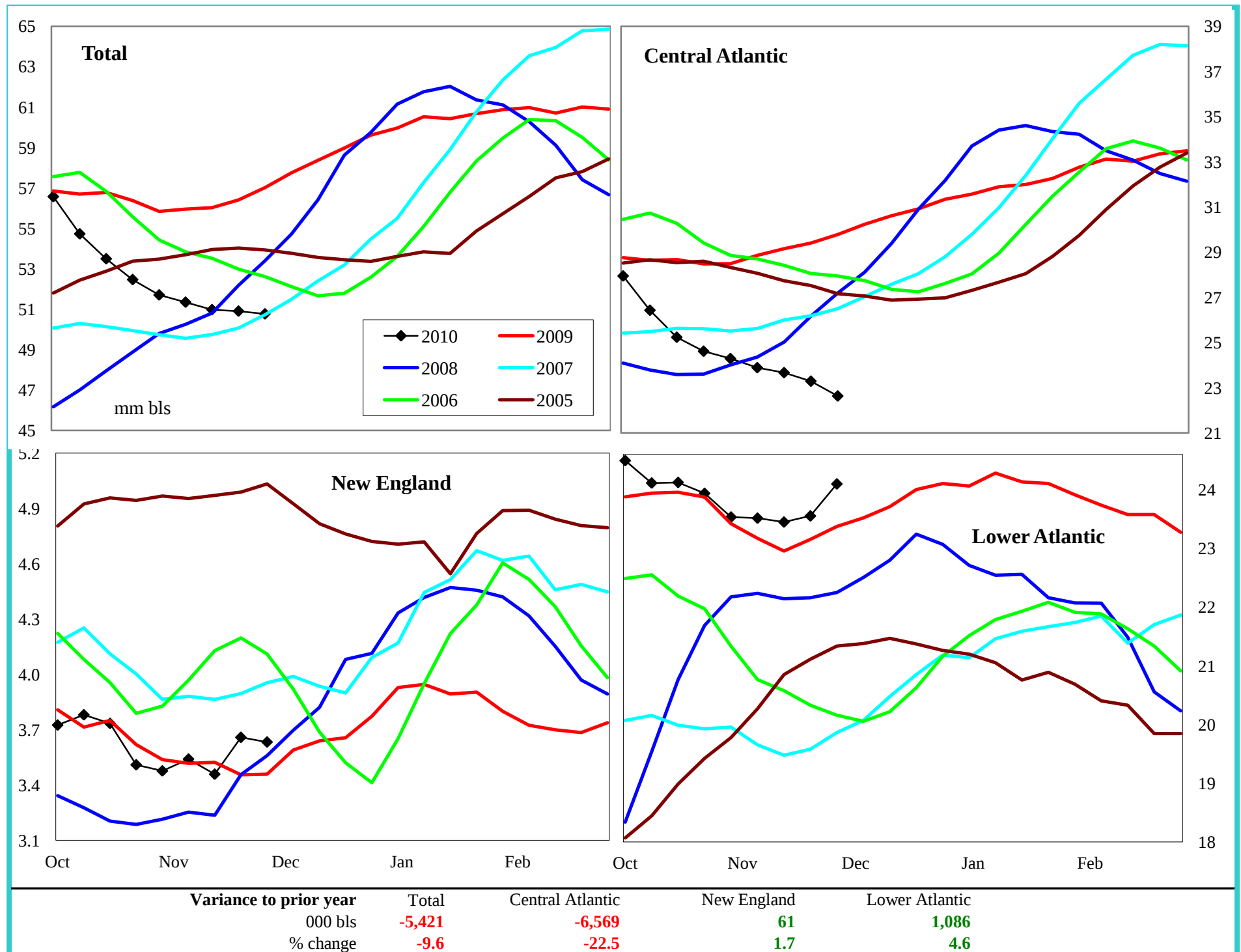
PADD 1 Crude Oil Supply and Refining



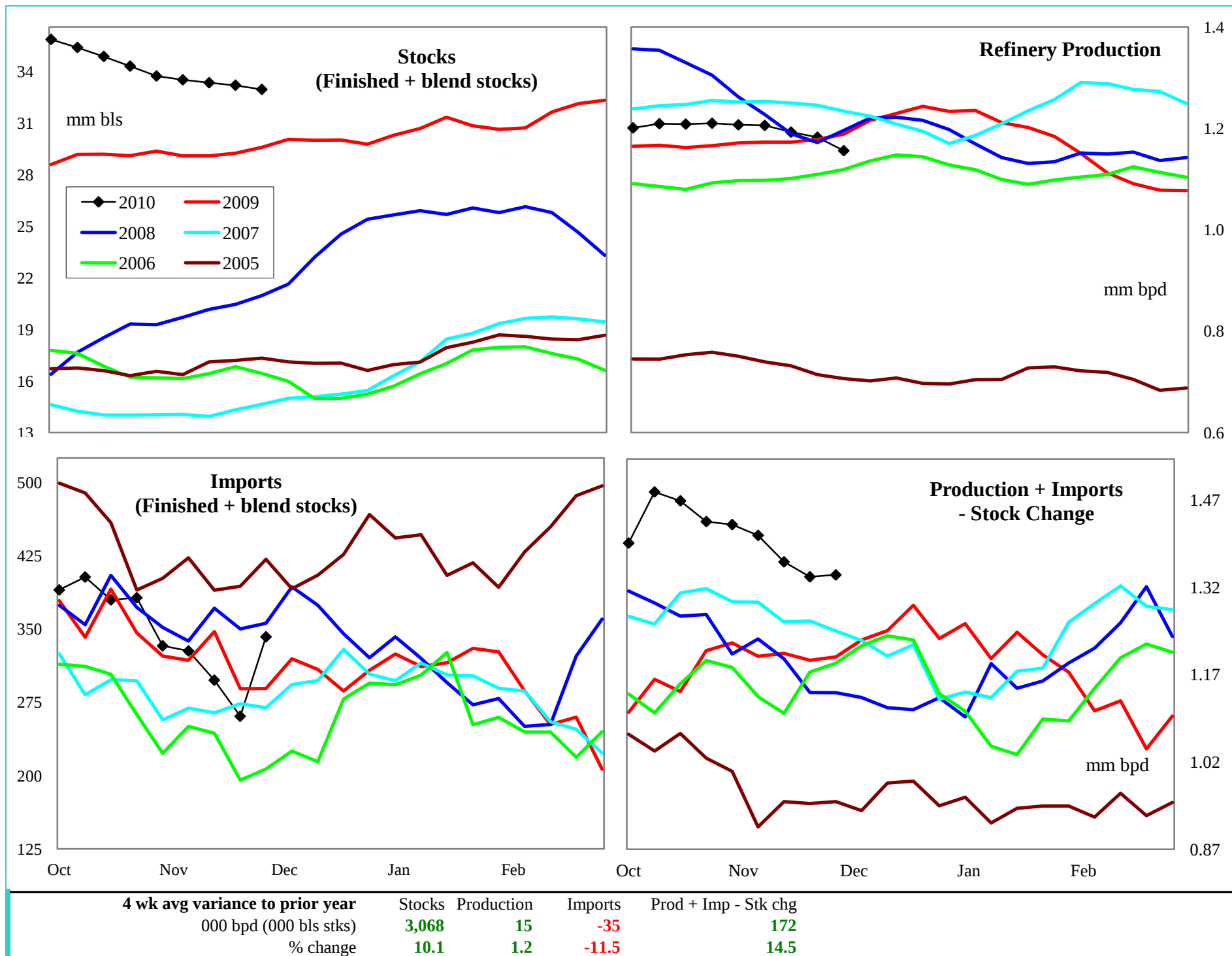
PADD 1 Gasoline Supply



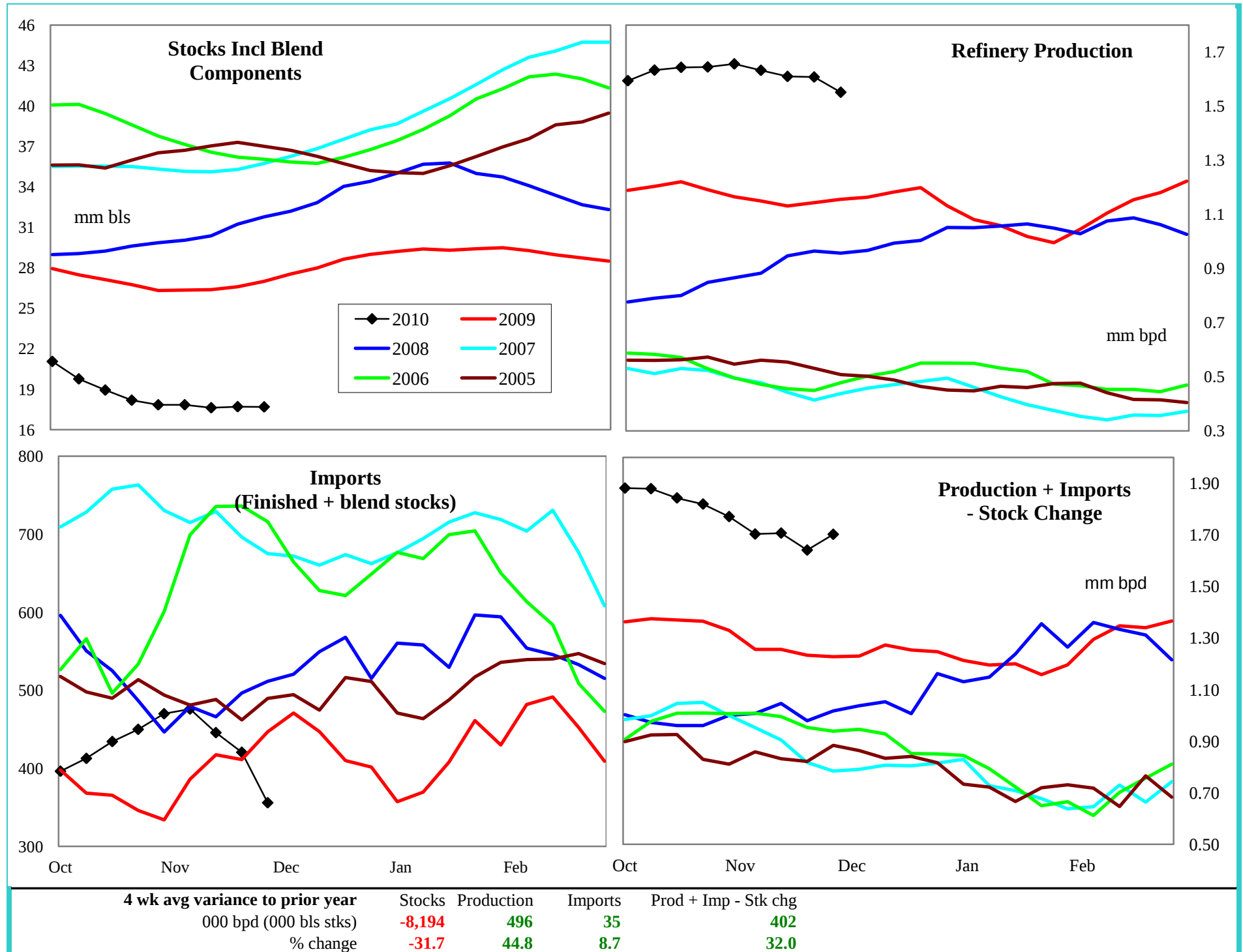
PADD 1 Gasoline Stocks by Region



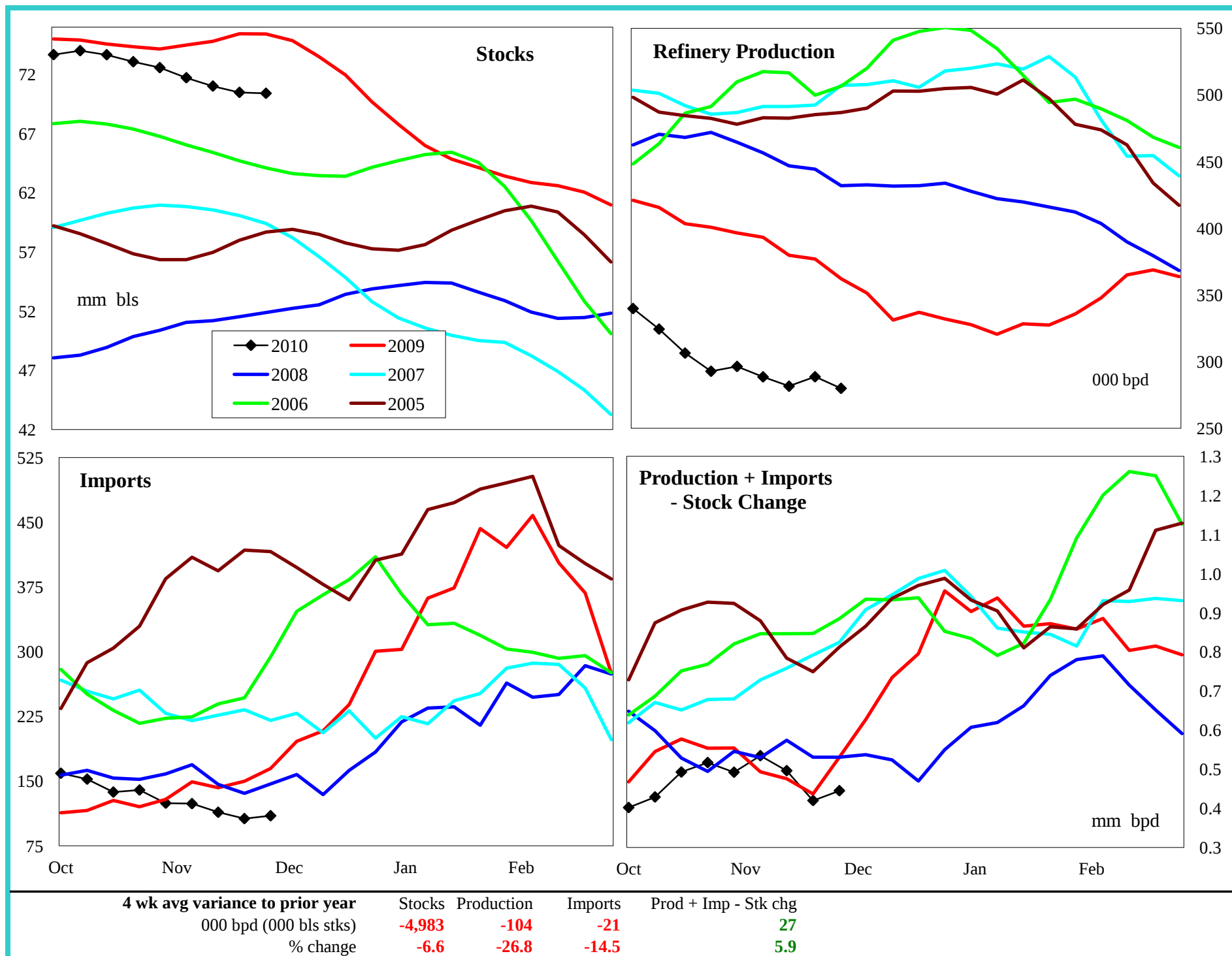
PADD 1 Reformulated Gasoline Supply



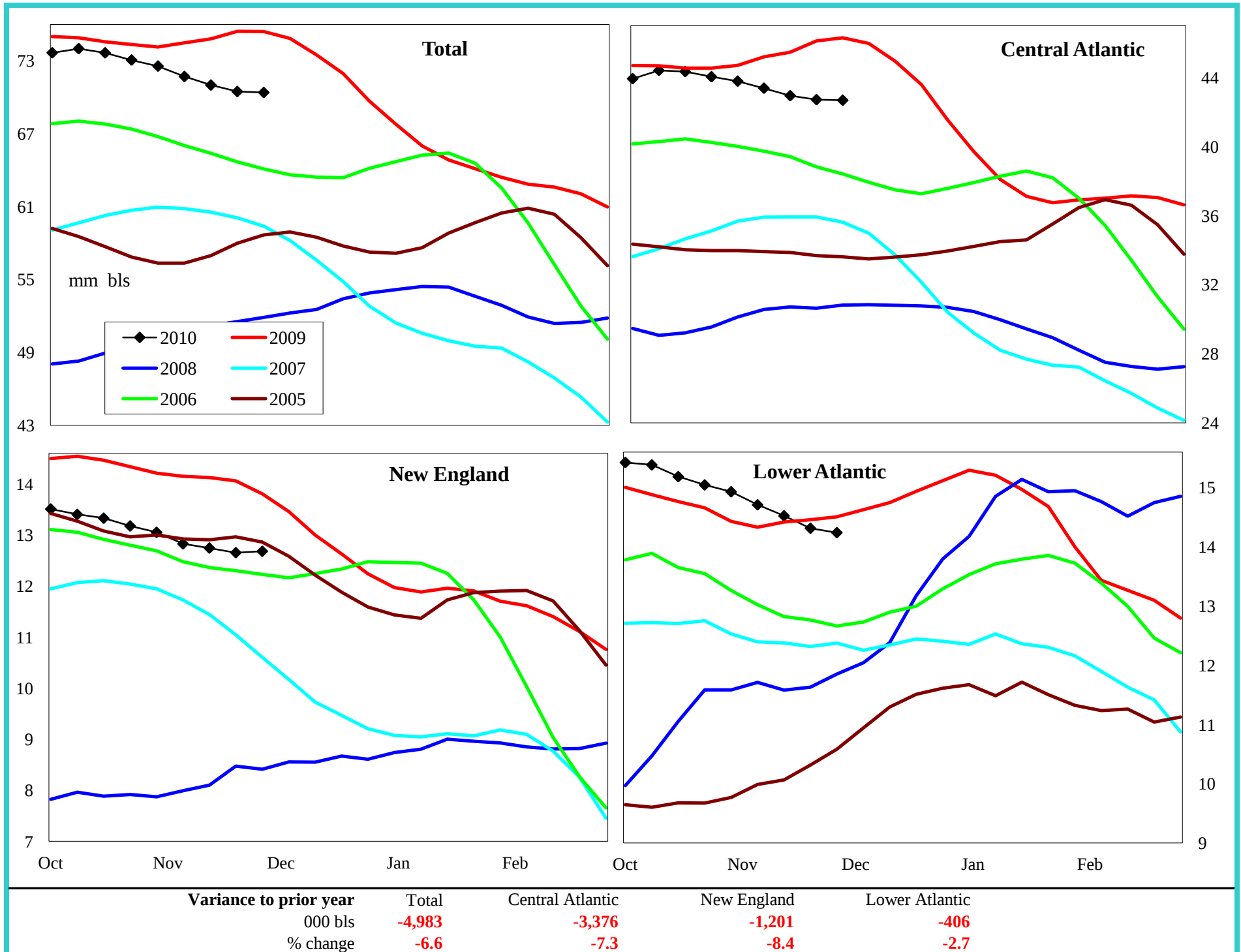
PADD 1 Conventional Gasoline Supply



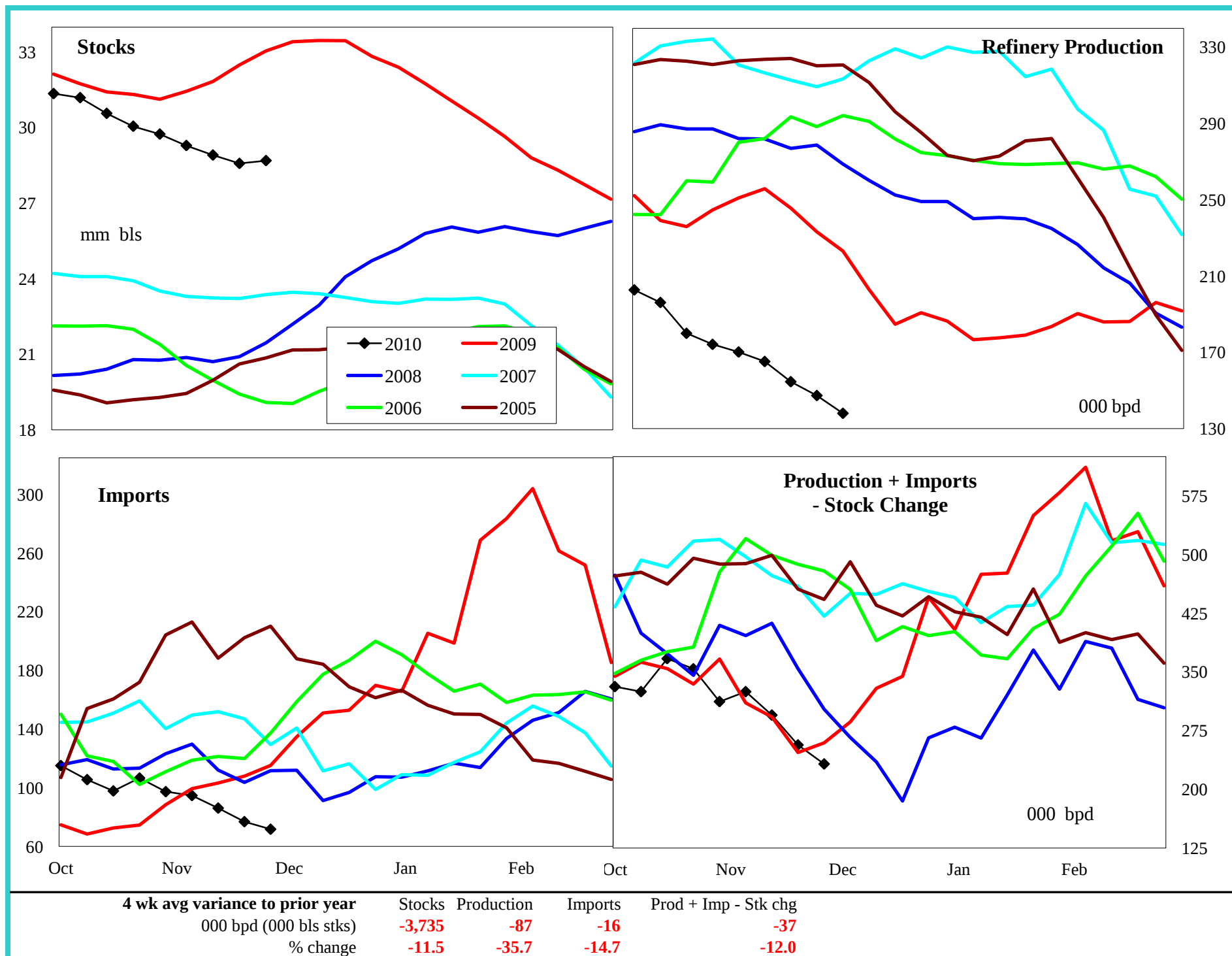
PADD 1 Distillate Supply



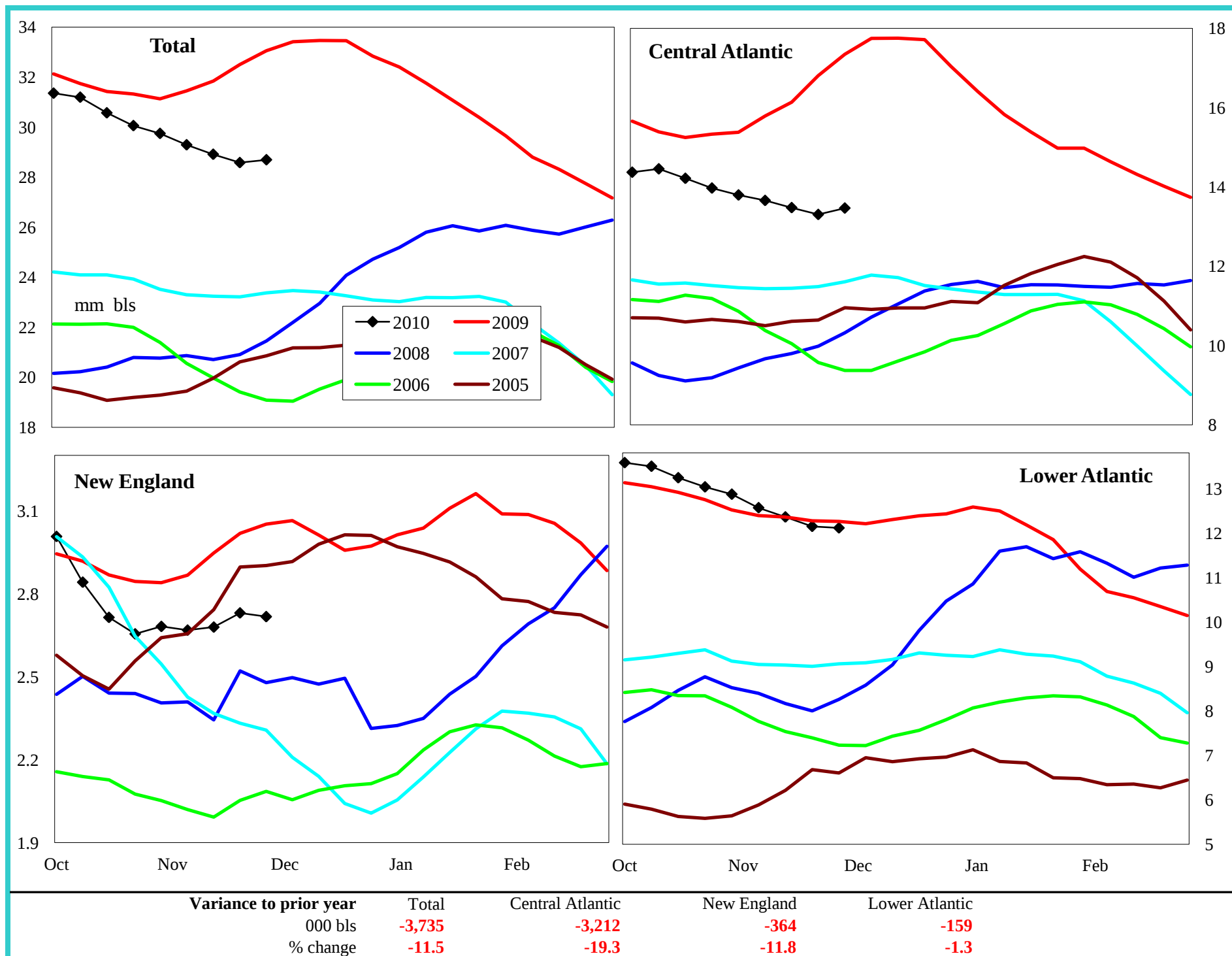
PADD 1 Distillate Stocks by Region



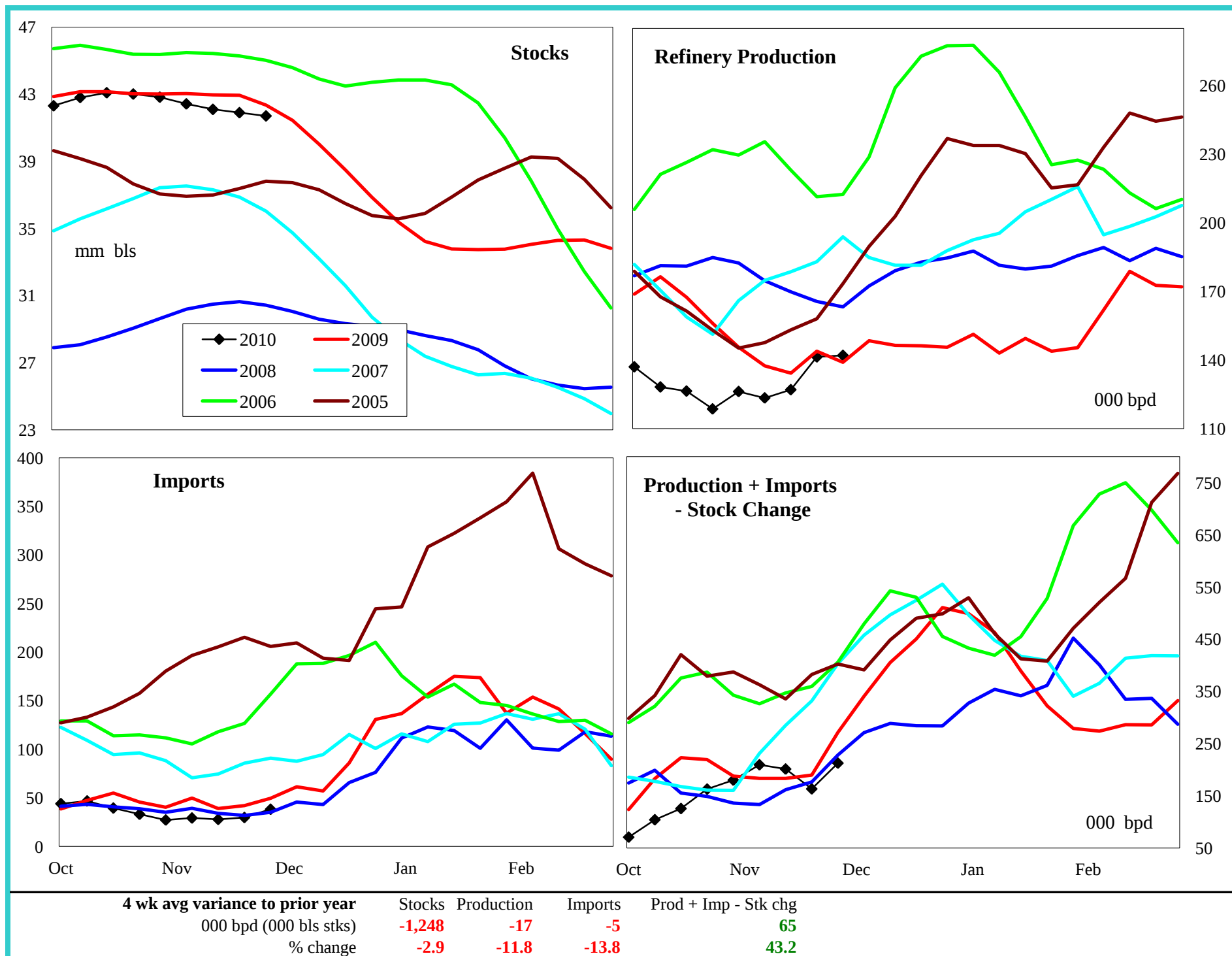
PADD 1 Low Sulfur Distillate Supply



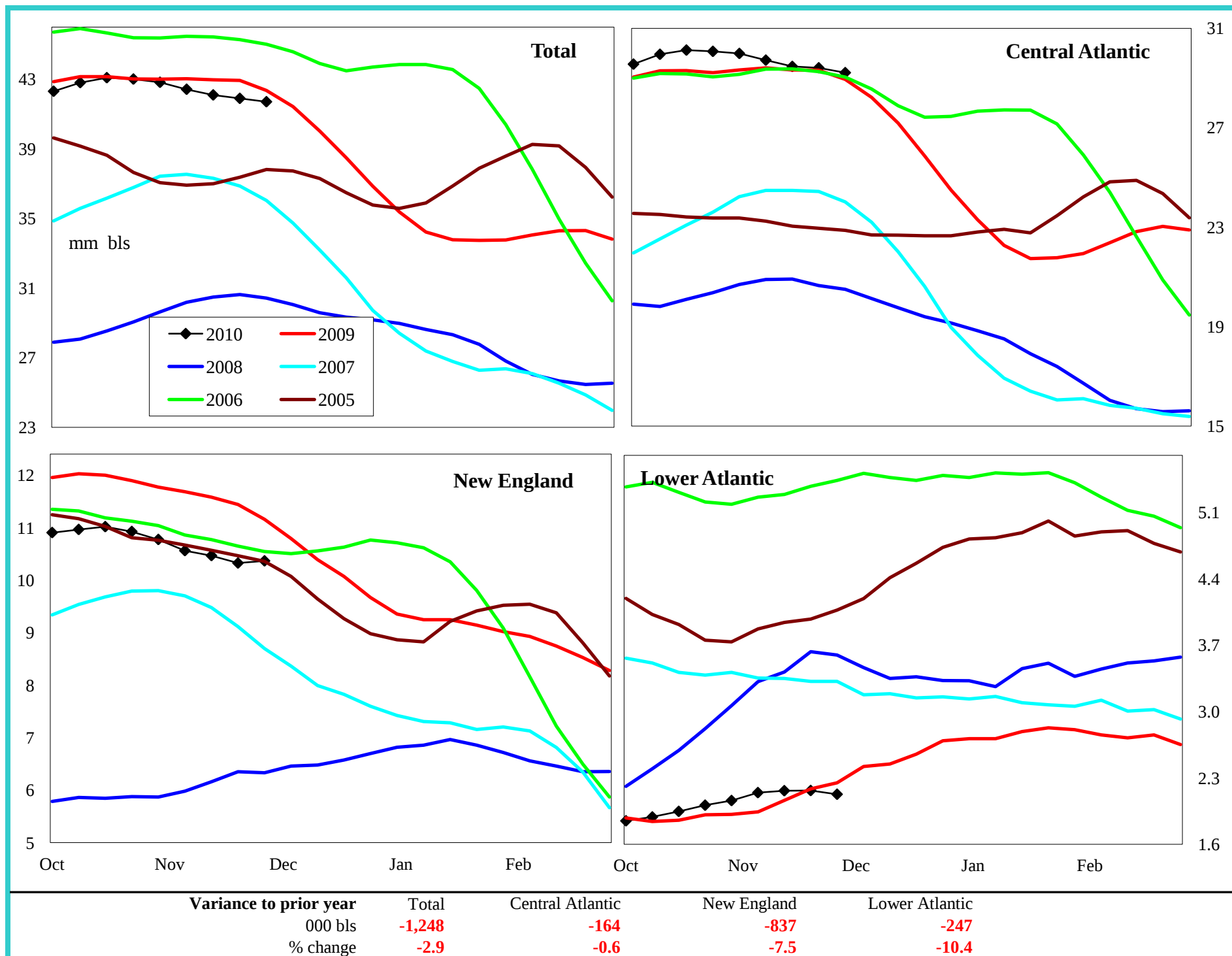
PADD 1 Low Sulfur Distillate Stocks by Region



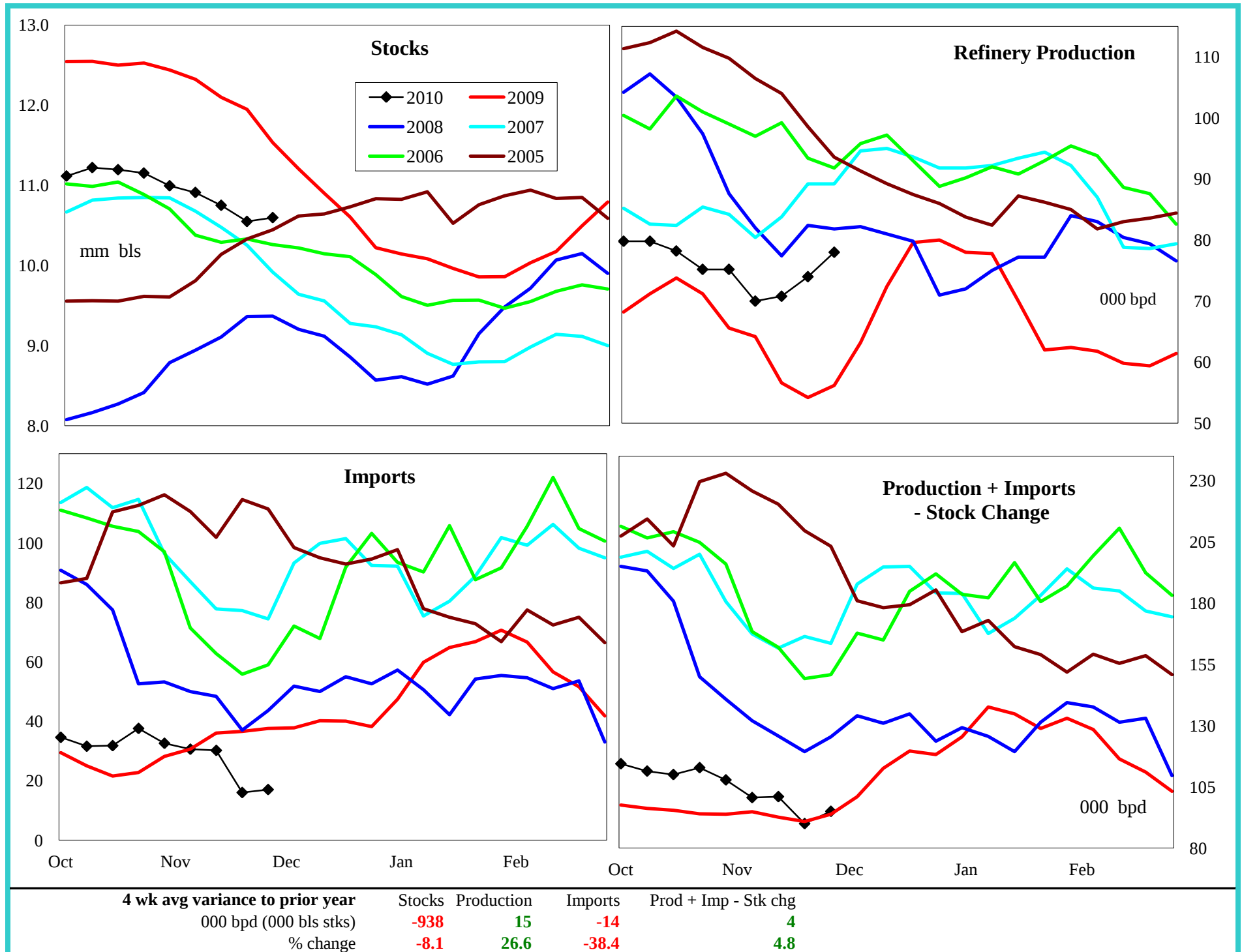
PADD 1 High Sulfur Distillate Supply



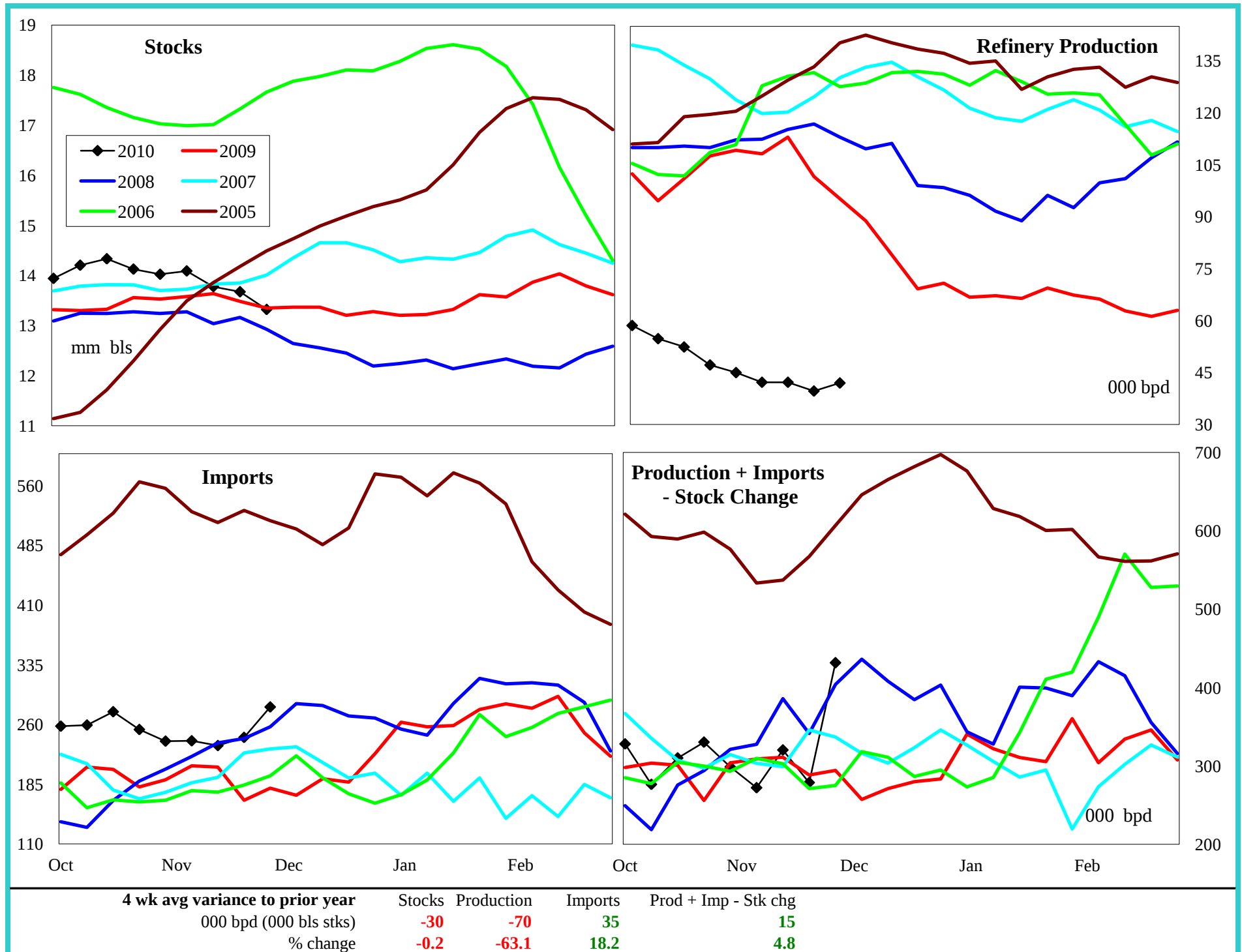
PADD 1 High Sulfur Distillate Stocks by Region



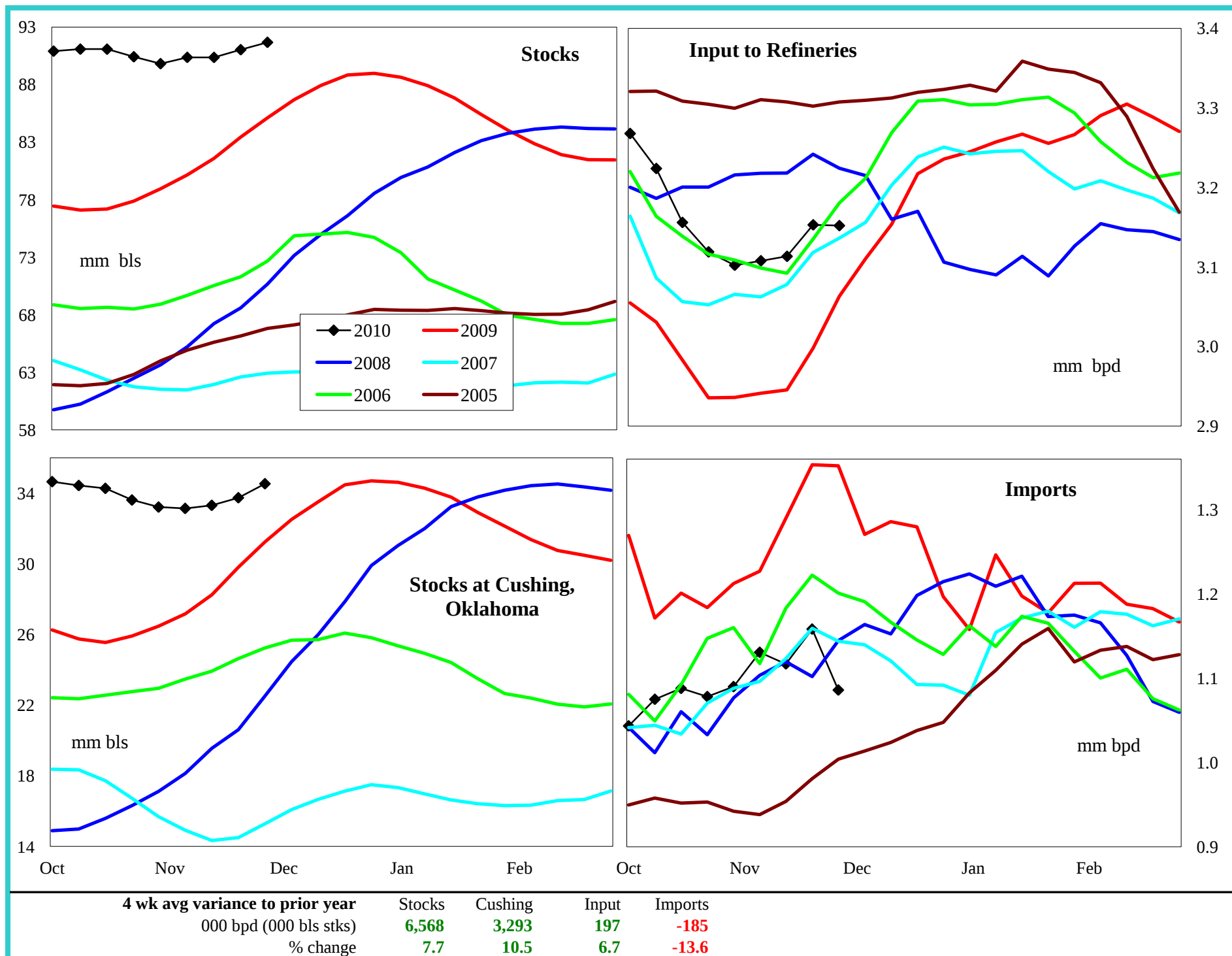
PADD 1 Jet Fuel Supply



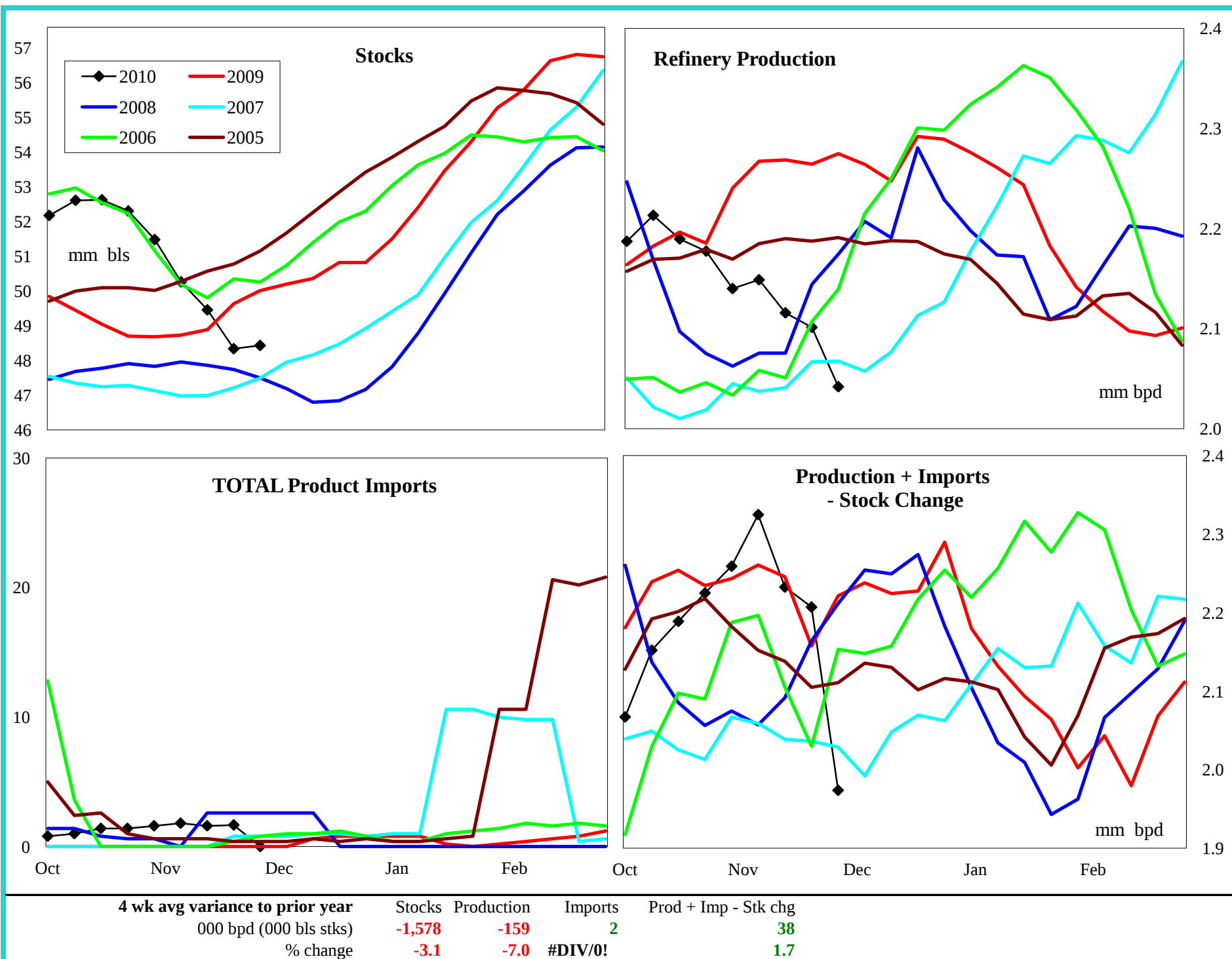
PADD 1 Residual Fuel Oil Supply



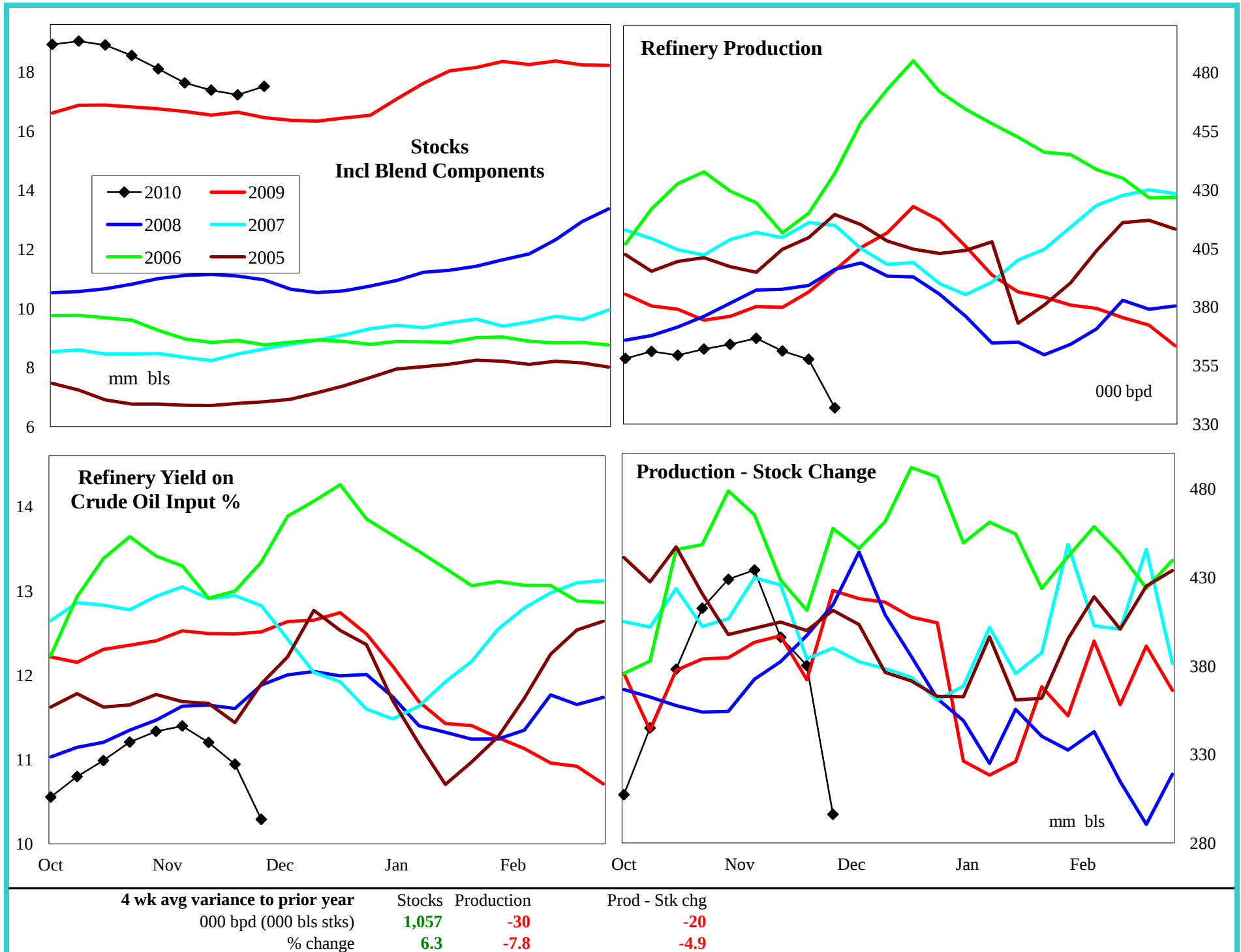
PADD 2 Crude Oil Supply and Refining



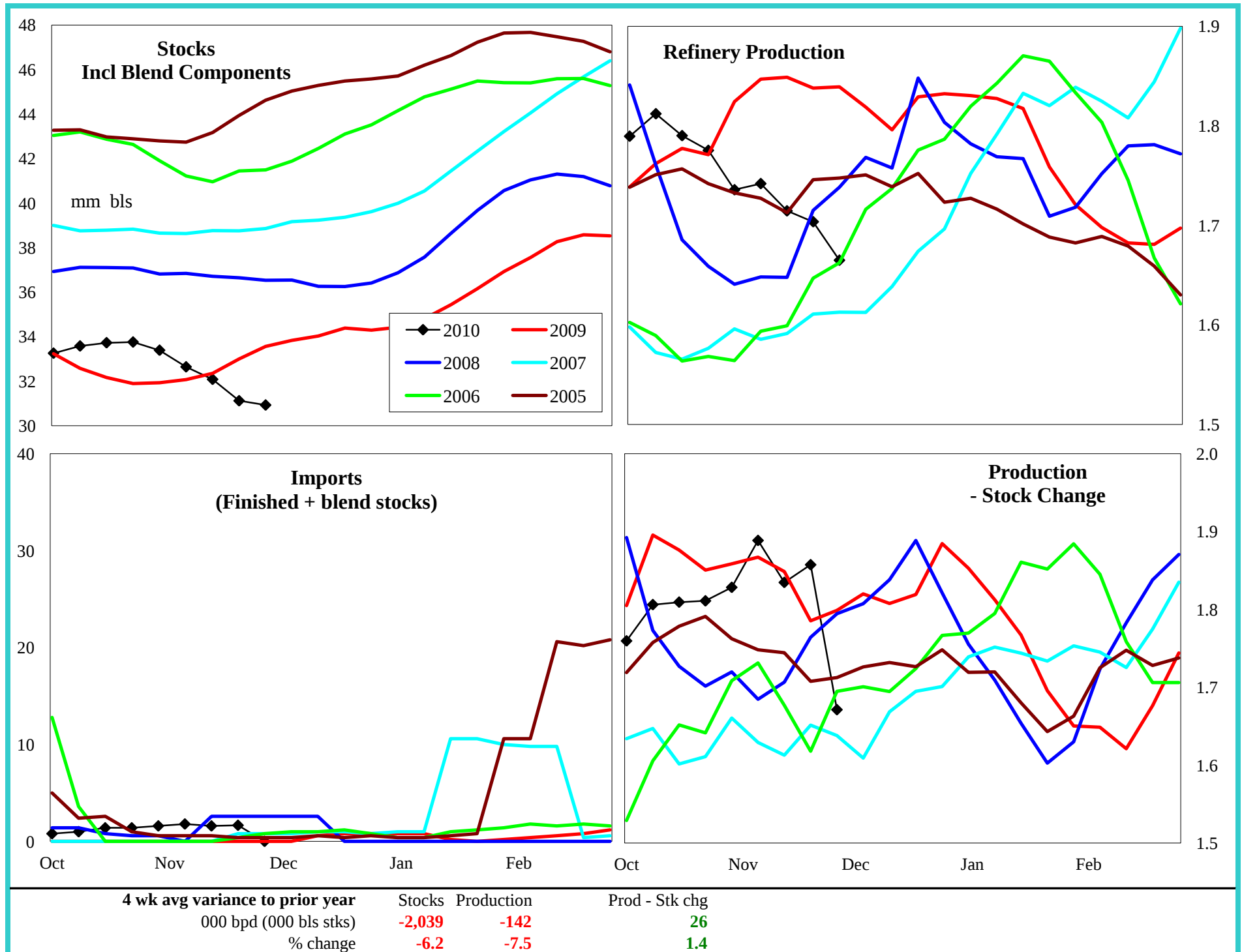
PADD 2 Gasoline Supply



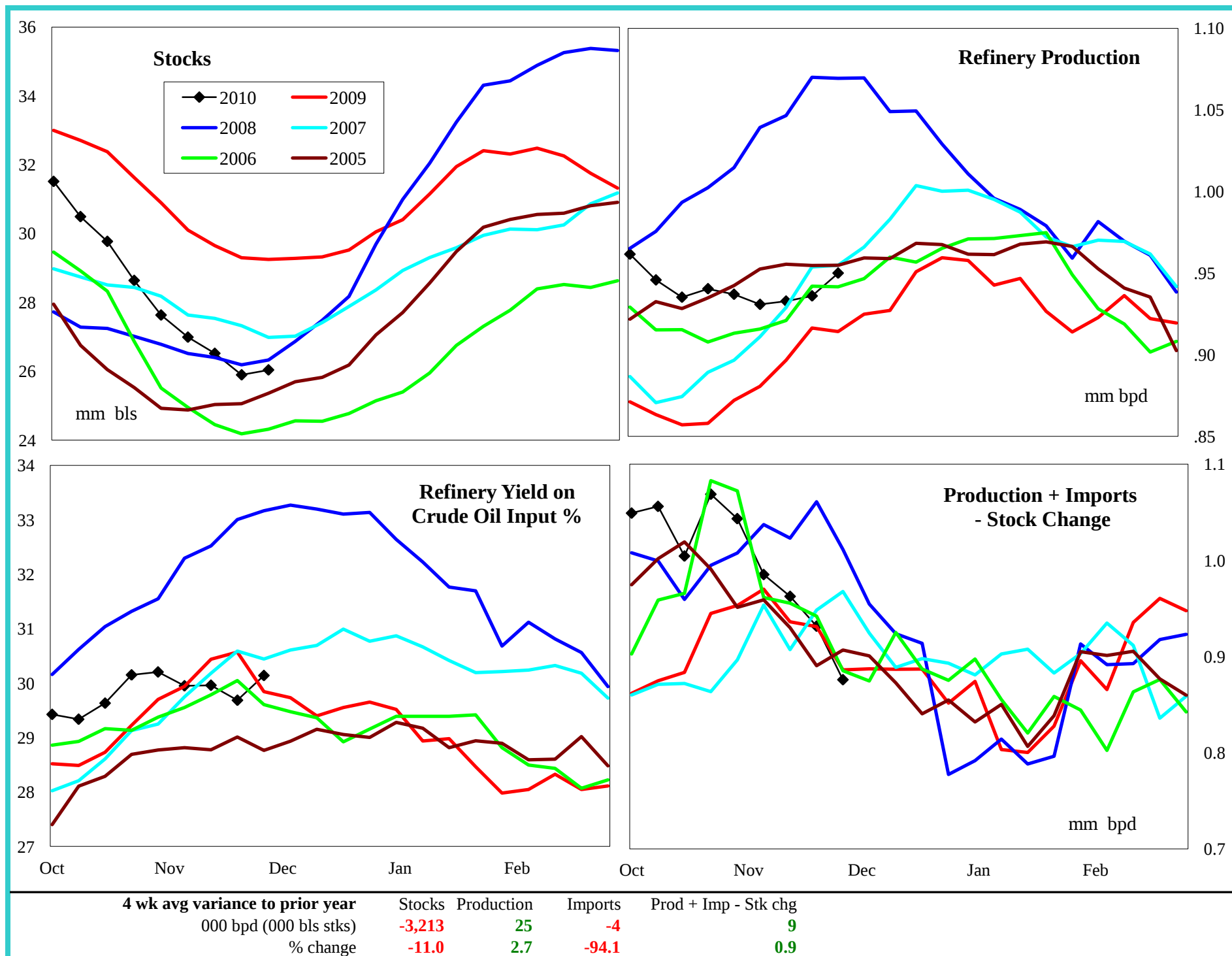
PADD 2 Reformulated Gasoline Supply



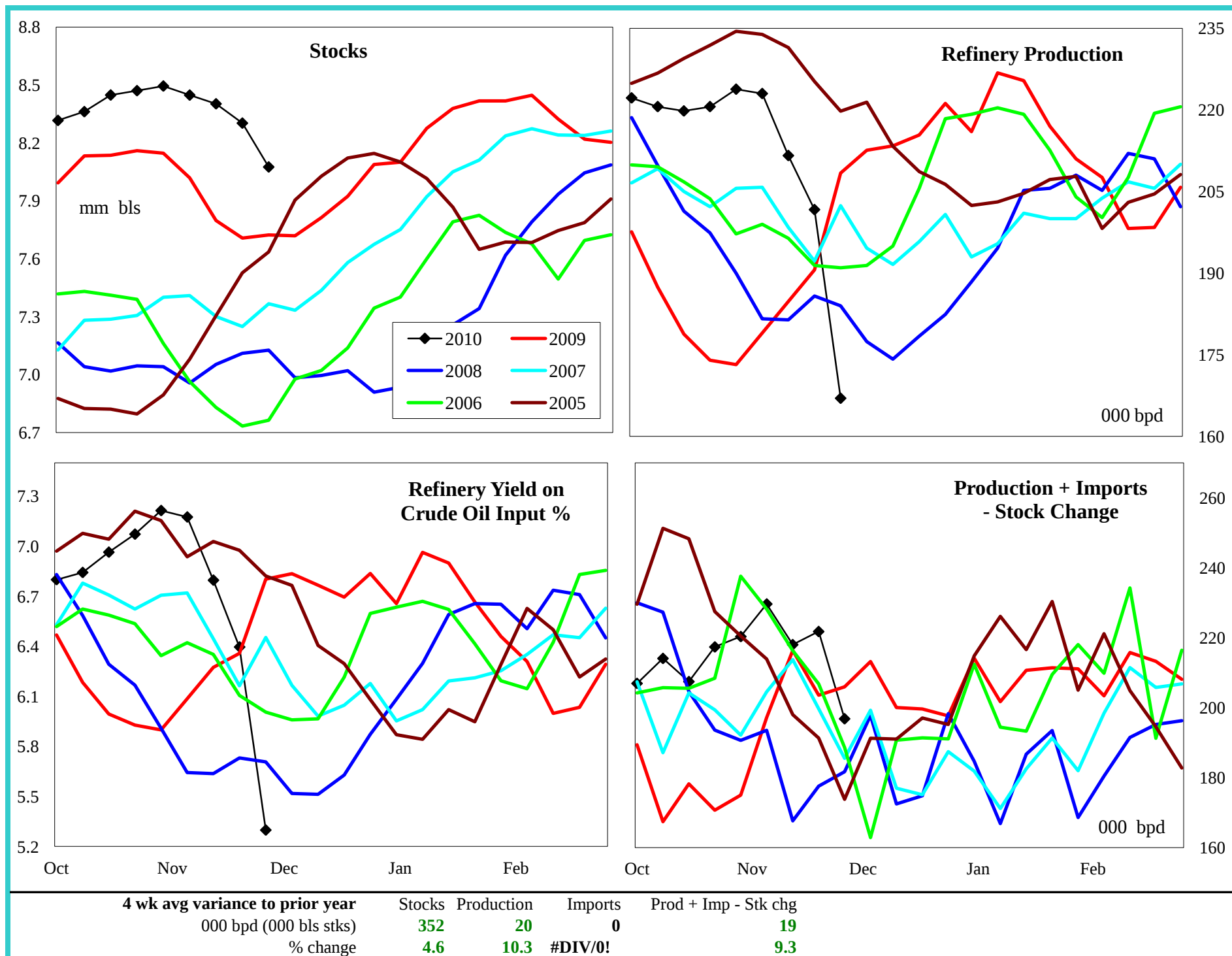
PADD 2 Conventional Gasoline Supply



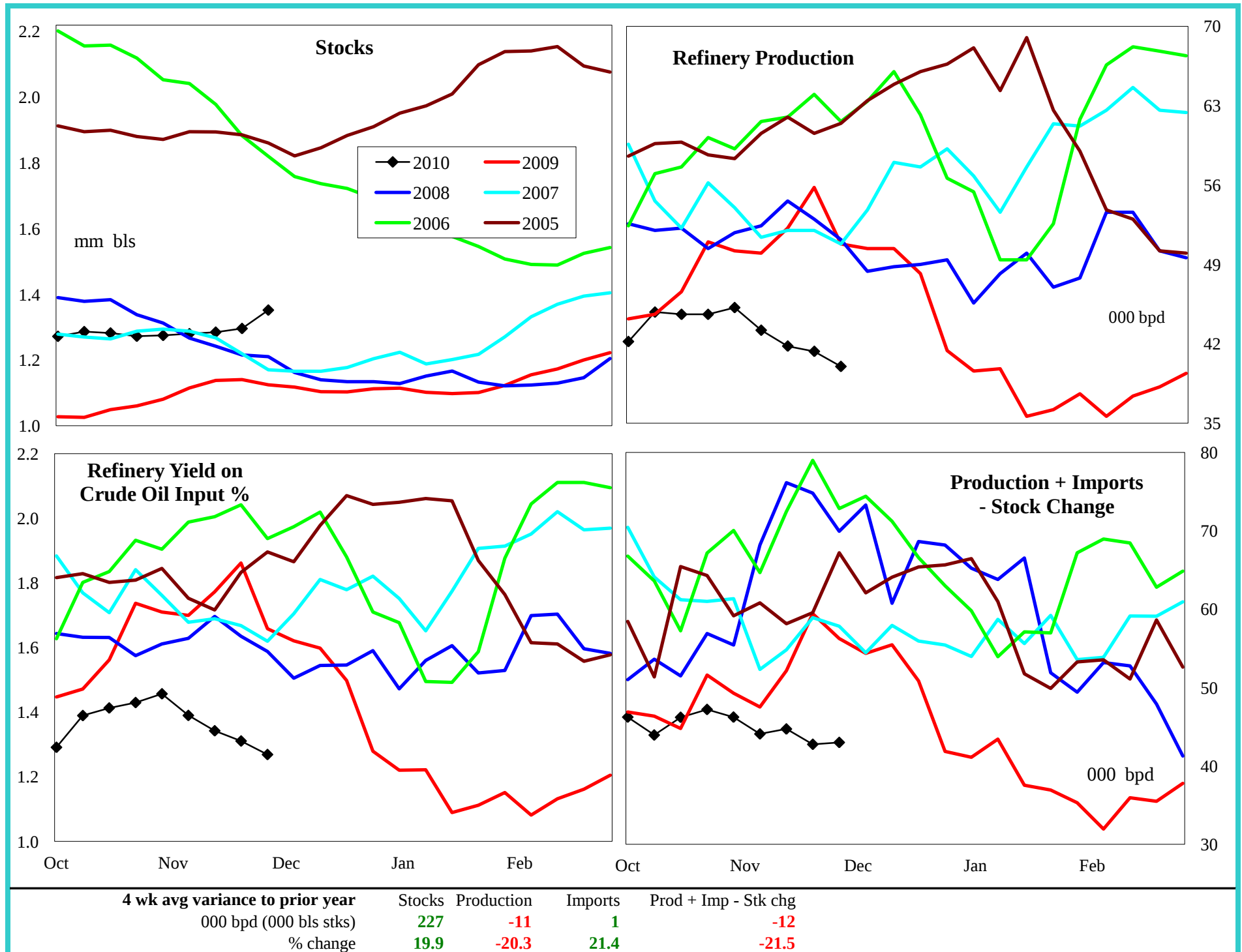
PADD 2 Distillate Supply



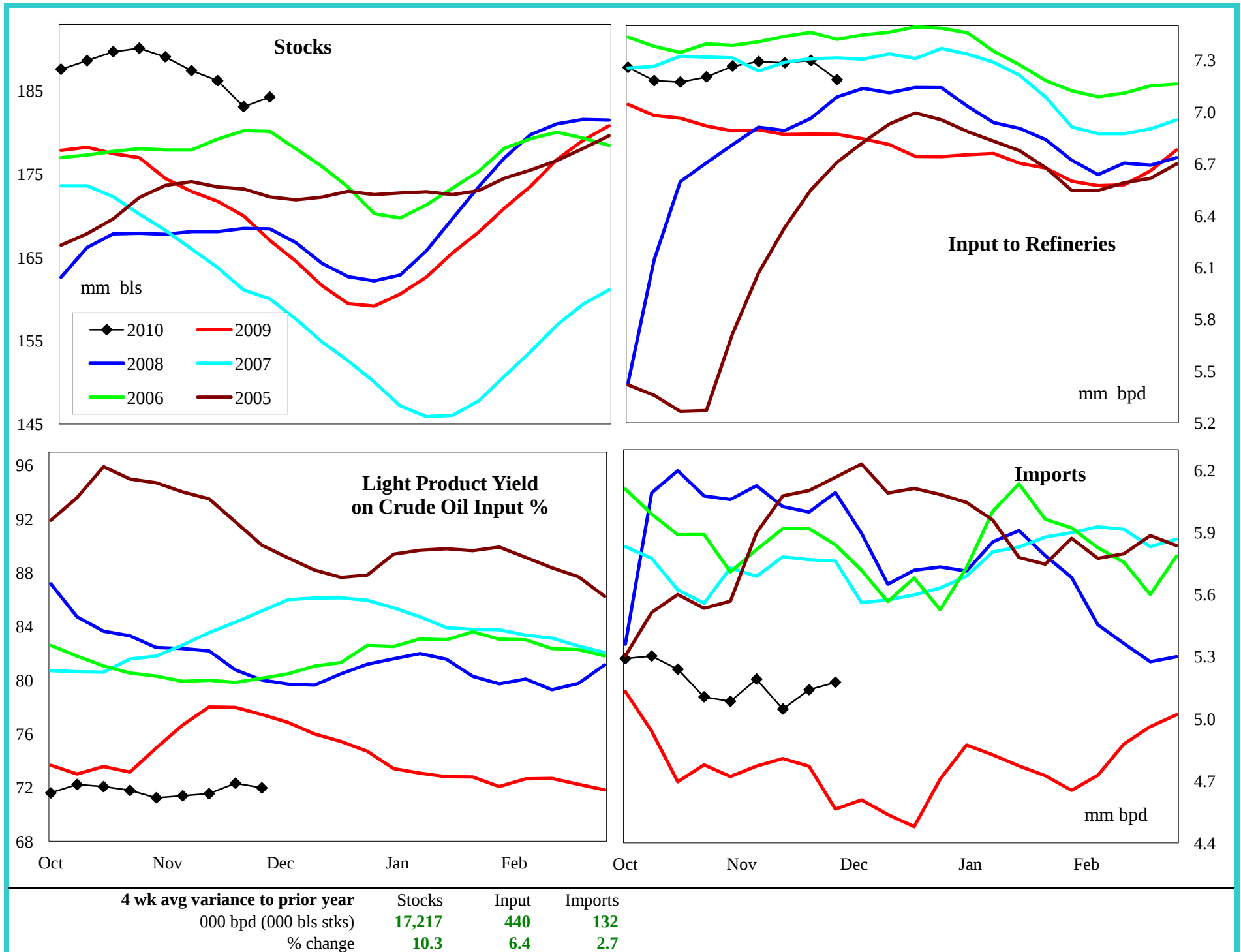
PADD 2 Jet Fuel Supply



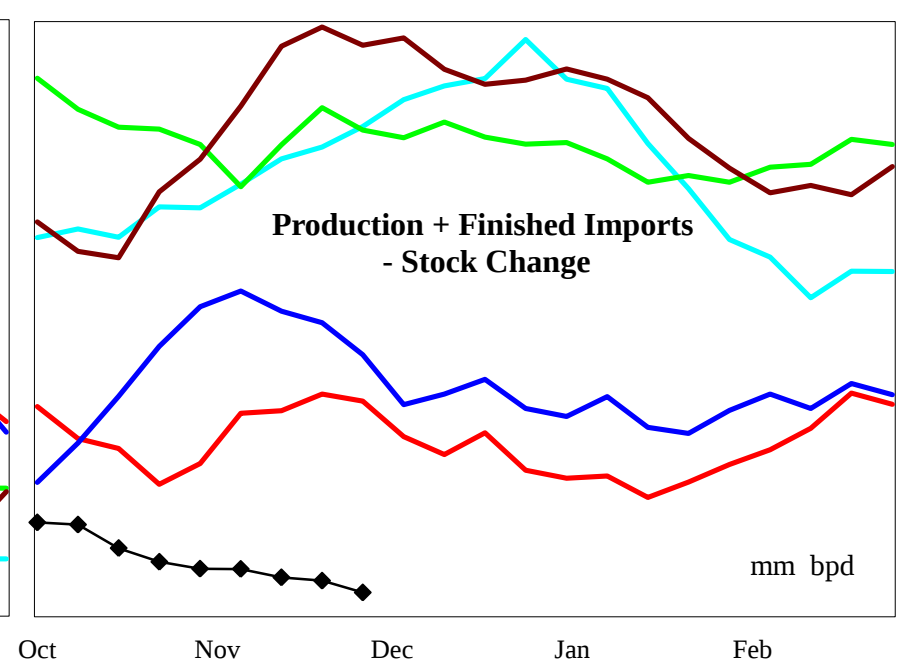
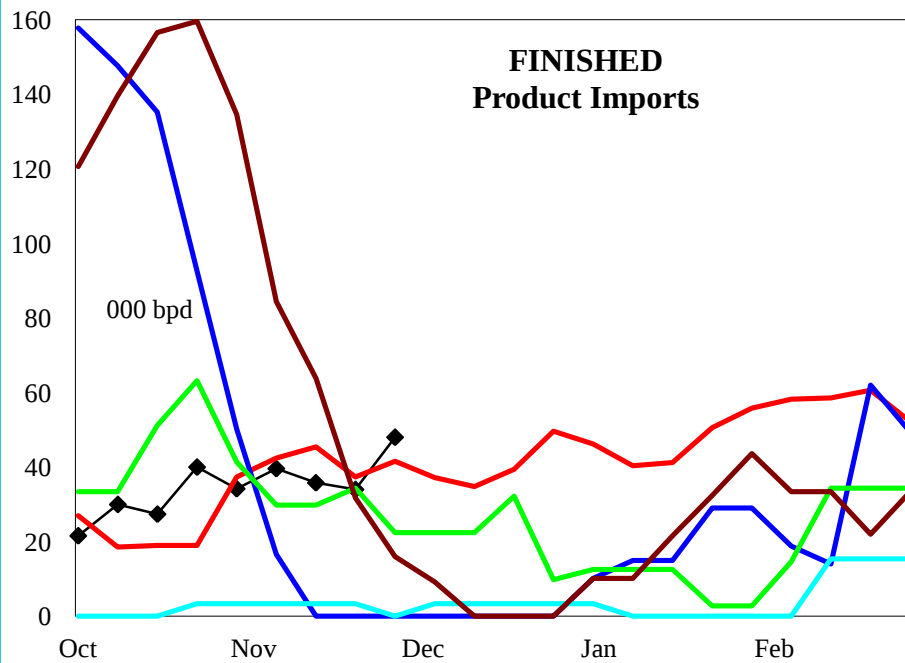
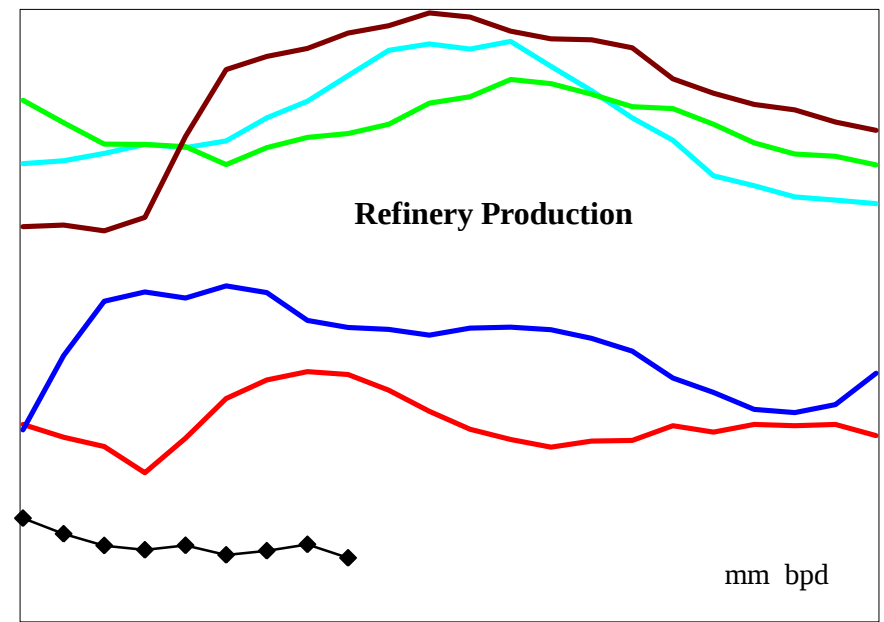
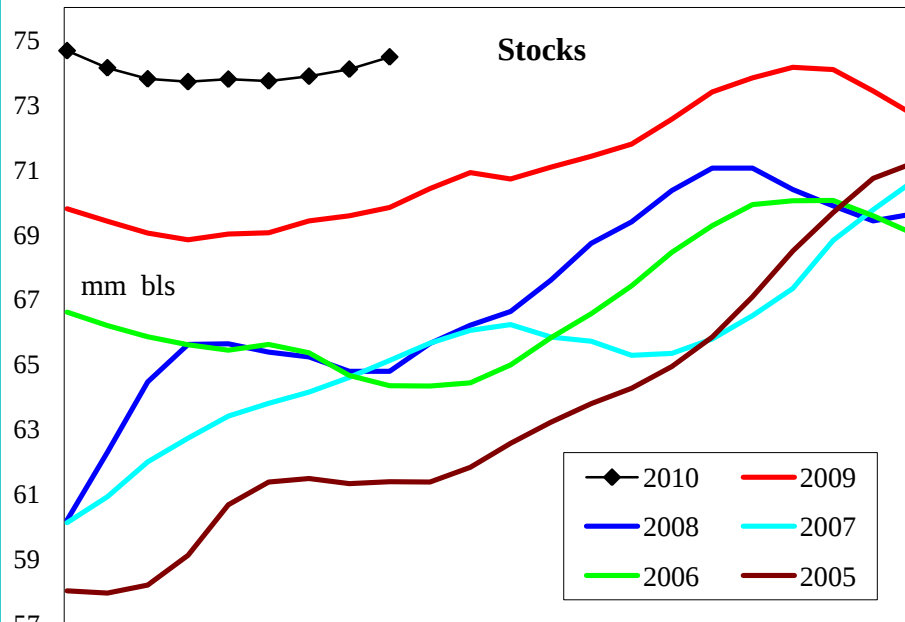
PADD 2 Residual Fuel Oil Supply



PADD 3 Crude Oil Supply and Refining



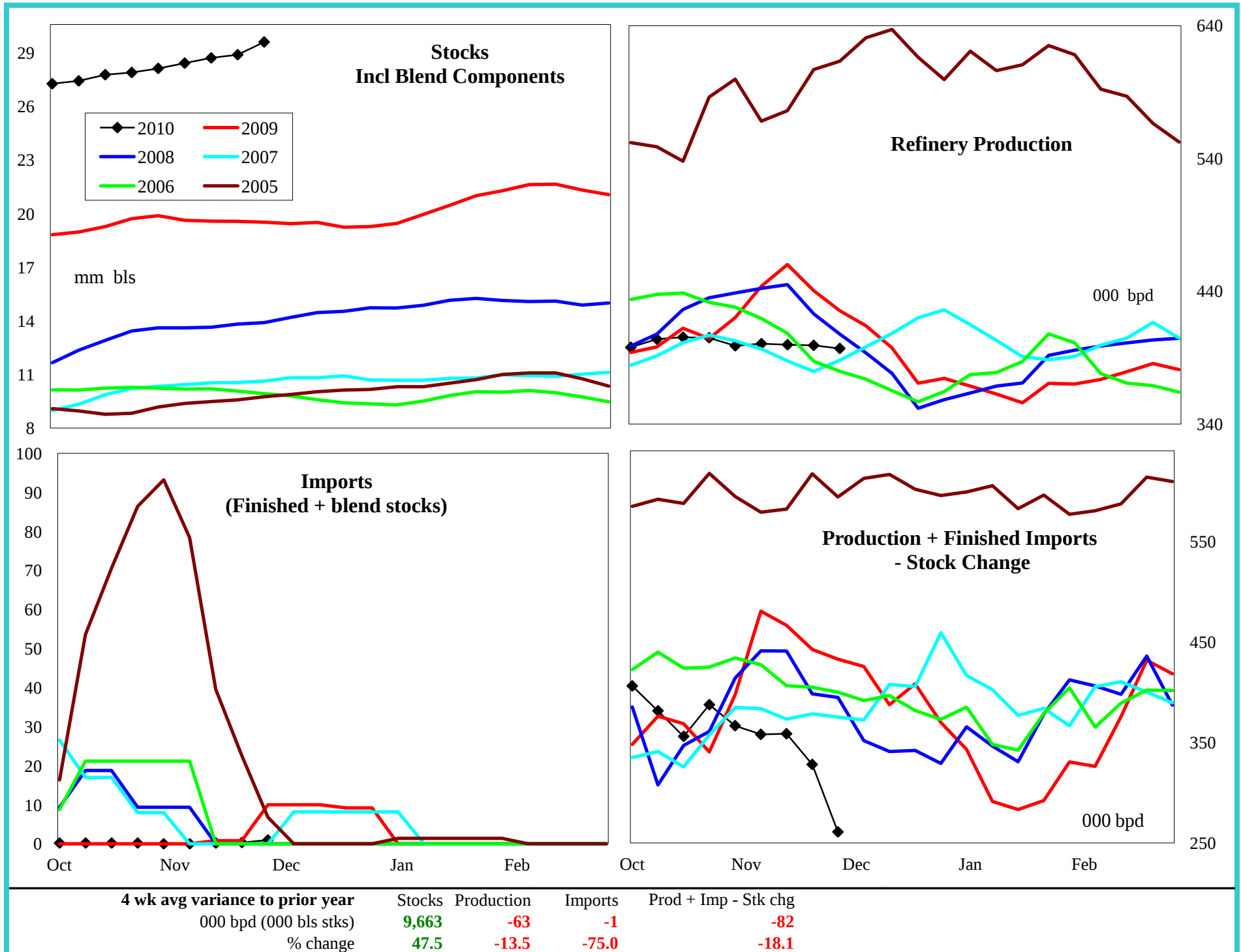
PADD 3 Gasoline Supply



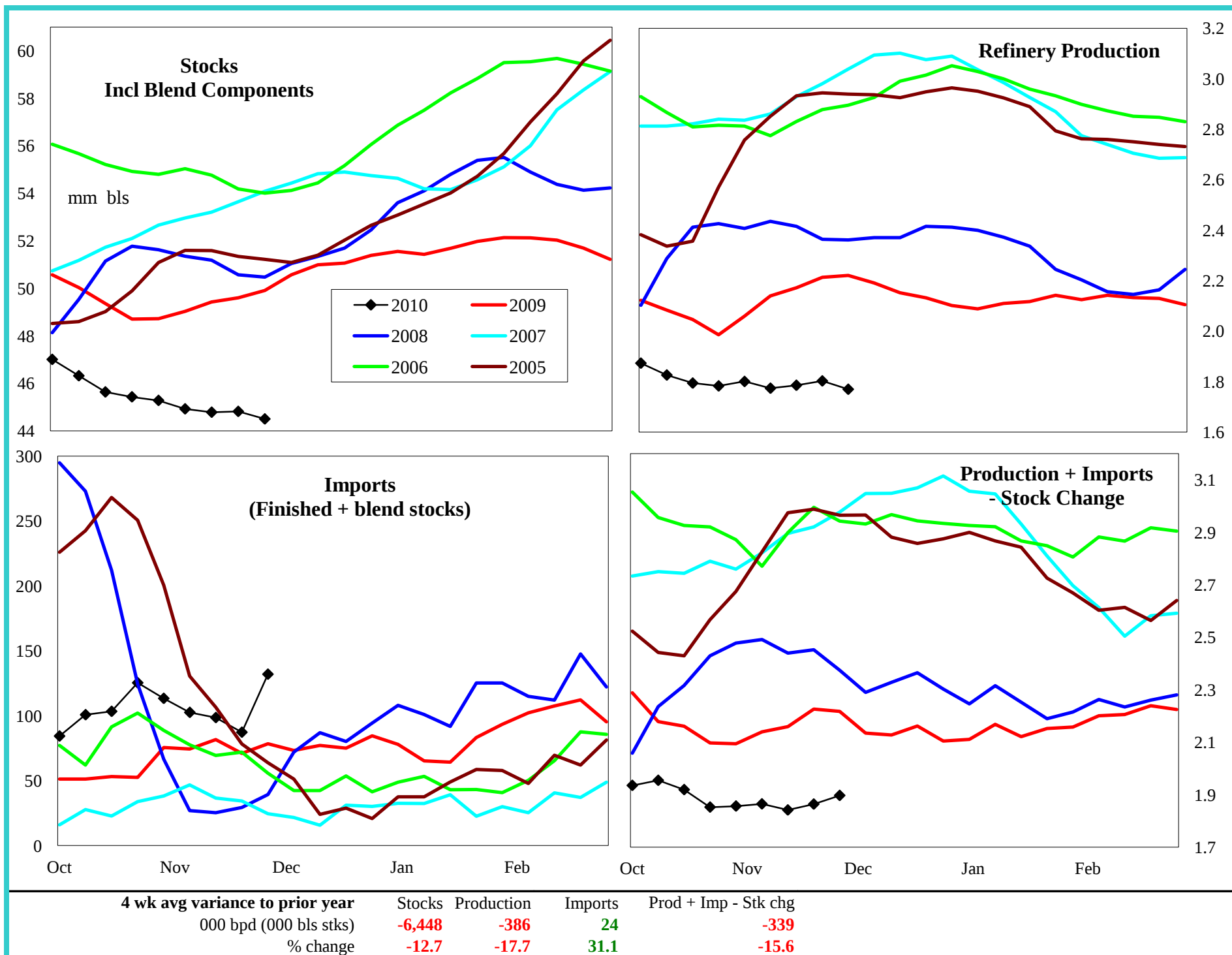
4 wk avg variance to prior year
000 bpd (000 bls stks)
% change

Stocks	Production	Fin Impt	Blend Impt	Prod + Imp - Stk chg
3,177	-449	-4	28	-421
4.5	-17.0	-8.8	81.5	-16.0

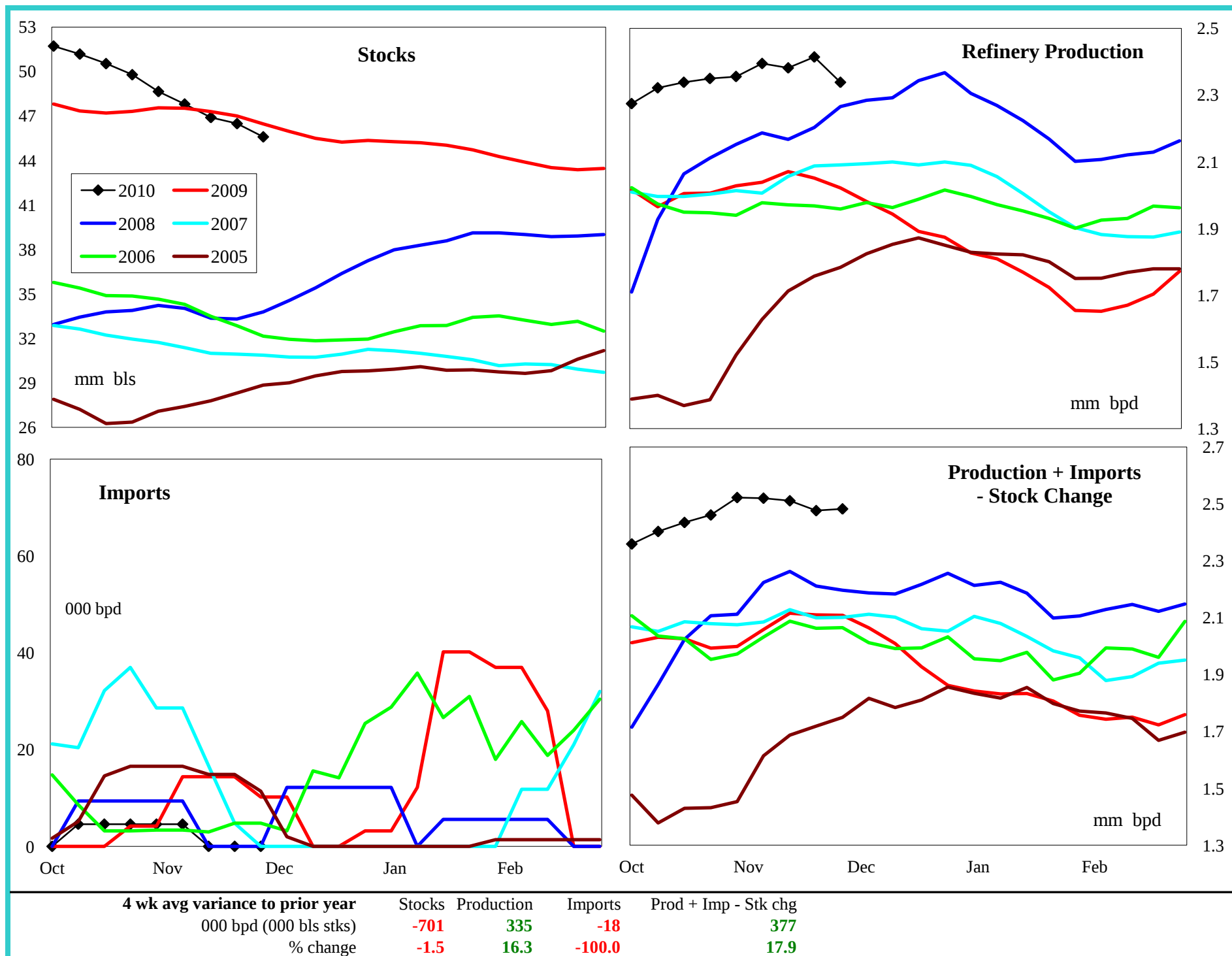
PADD 3 Reformulated Gasoline Supply



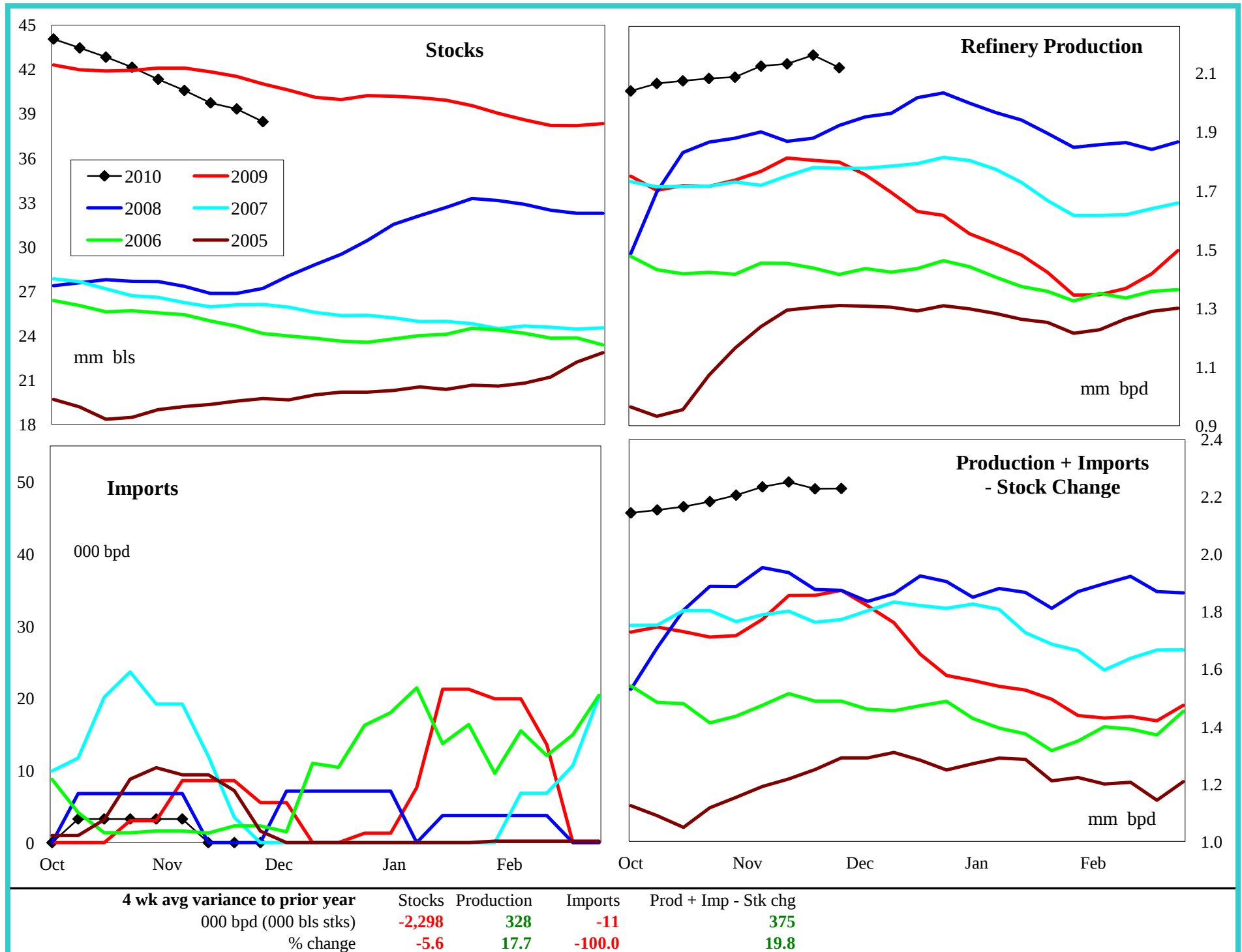
PADD 3 Conventional Gasoline Supply



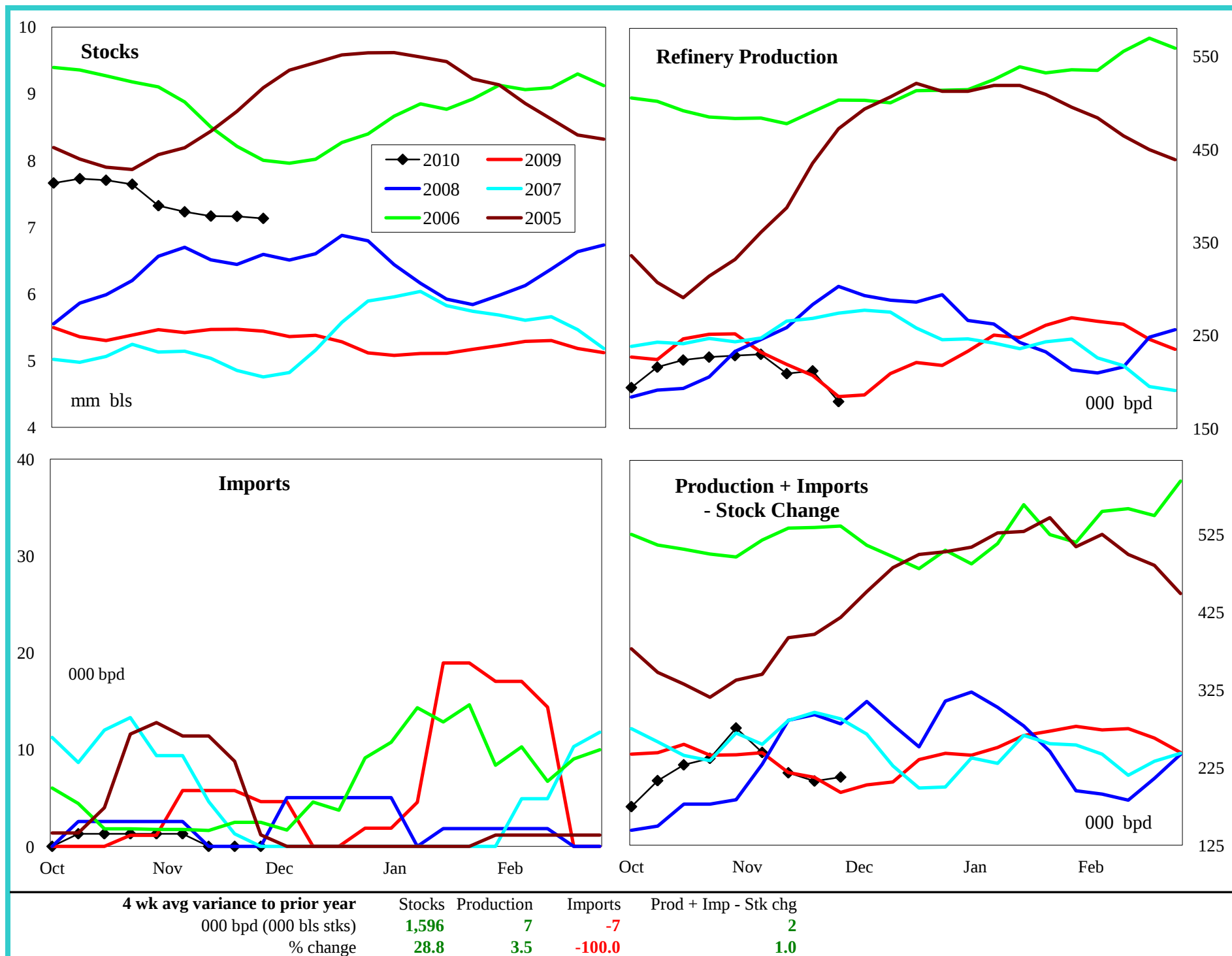
PADD 3 Distillate Supply



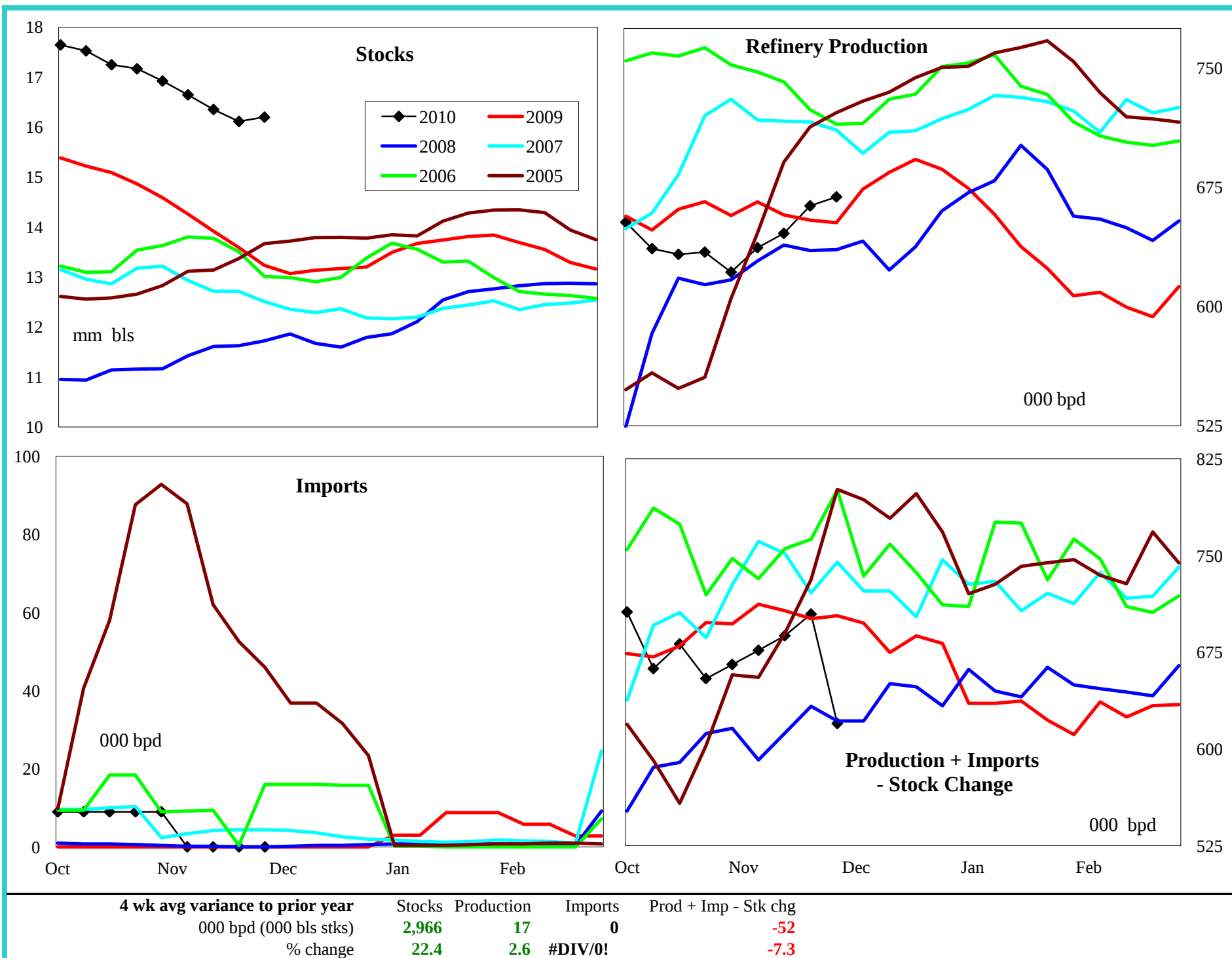
PADD 3 Low Sulfur Distillate Supply



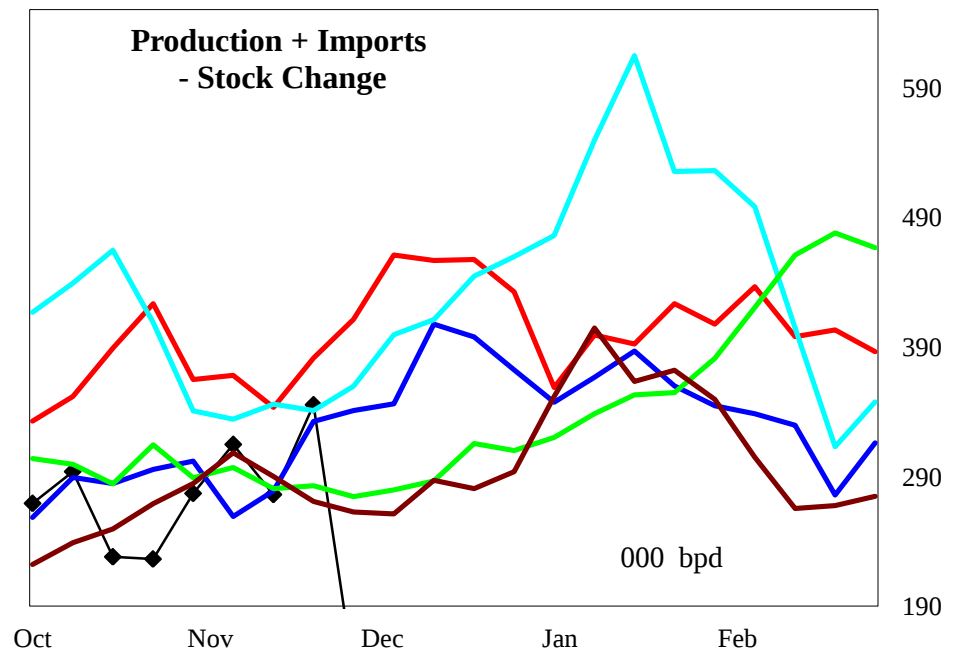
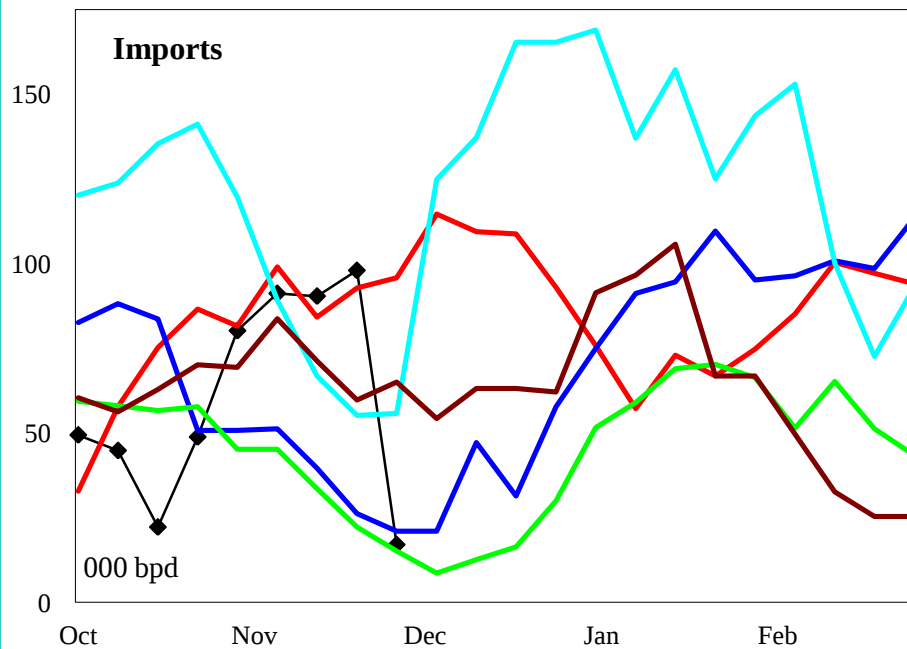
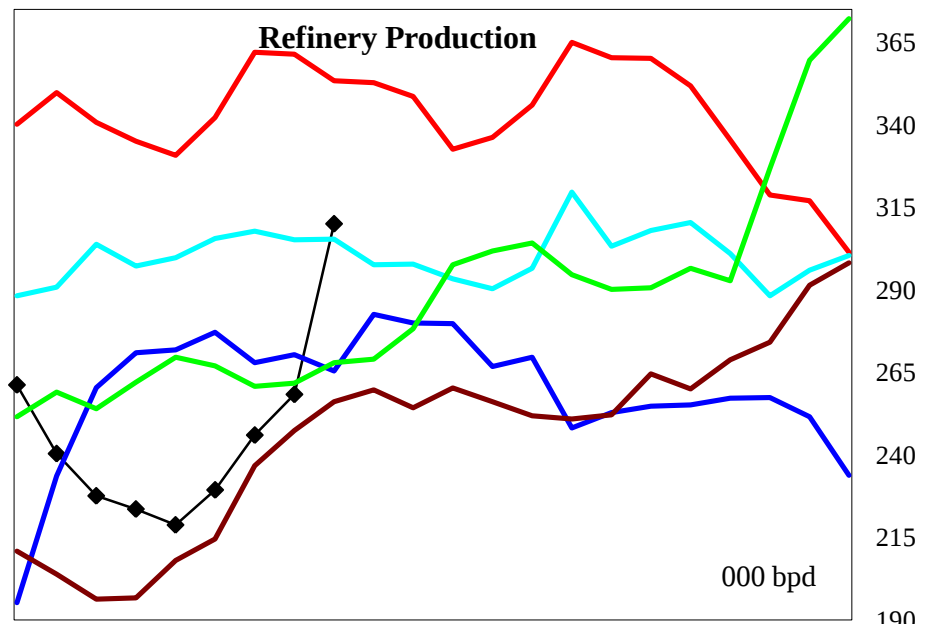
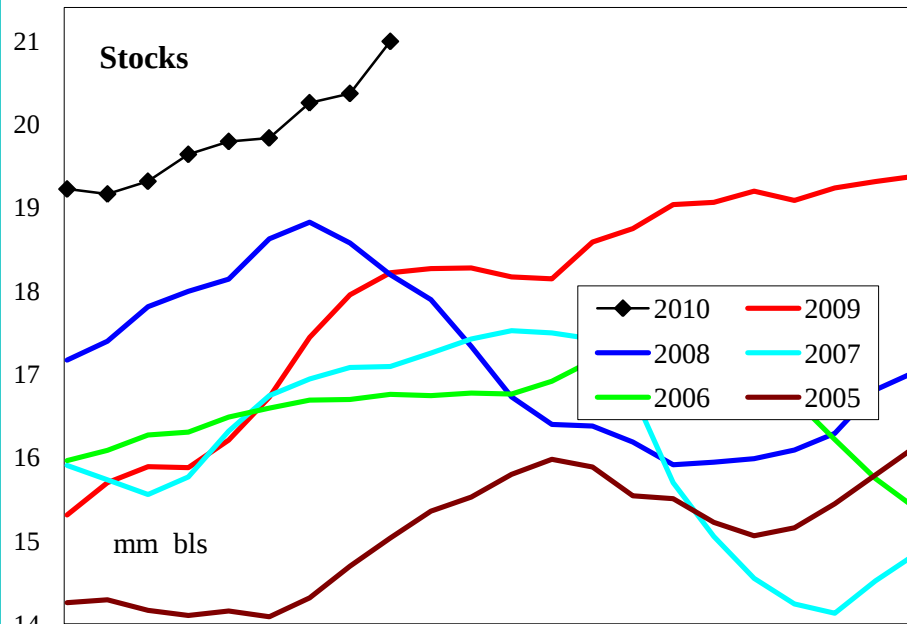
PADD 3 High Sulfur Distillate Supply



PADD 3 Jet Fuel Supply



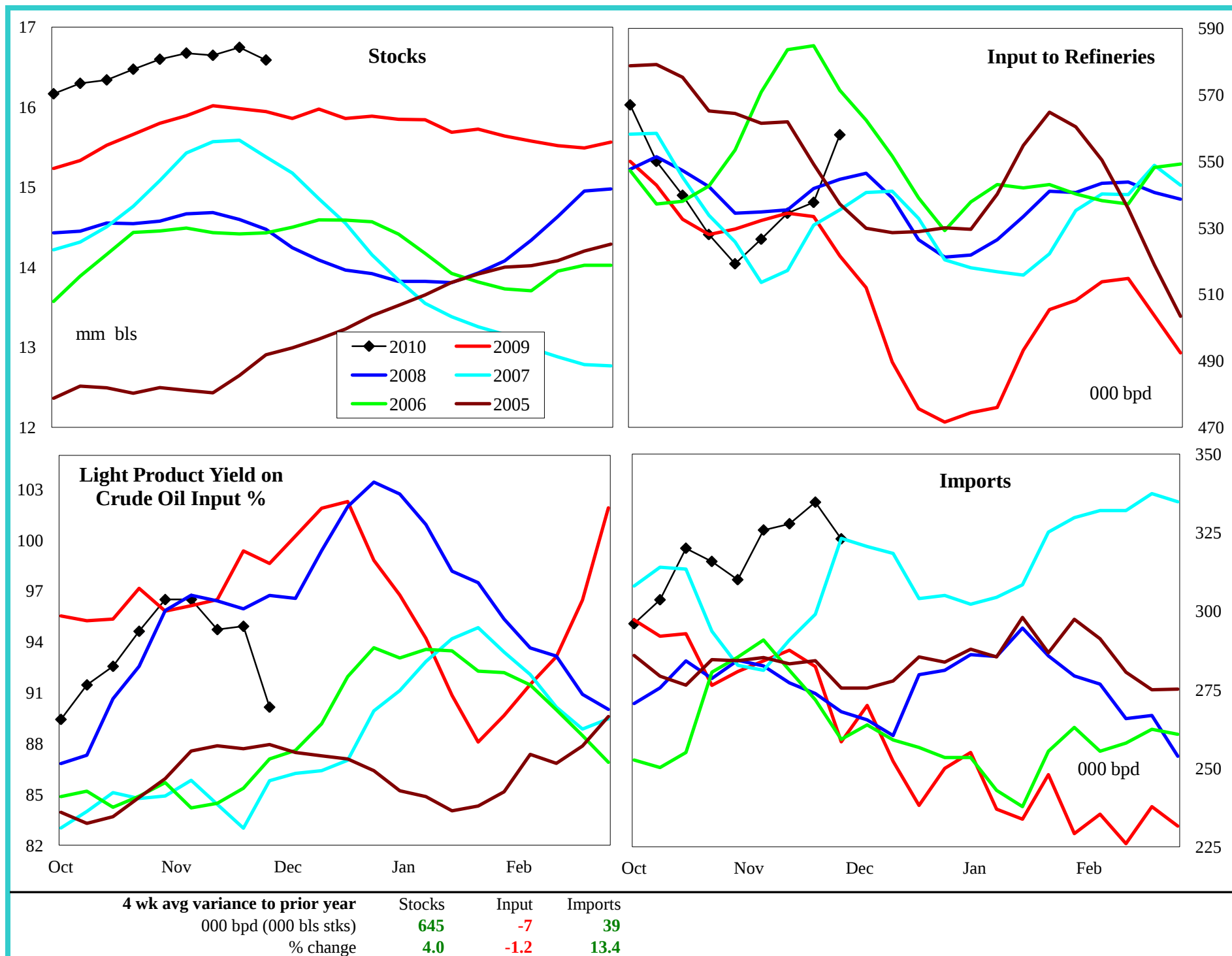
PADD 3 Residual Fuel Oil Supply



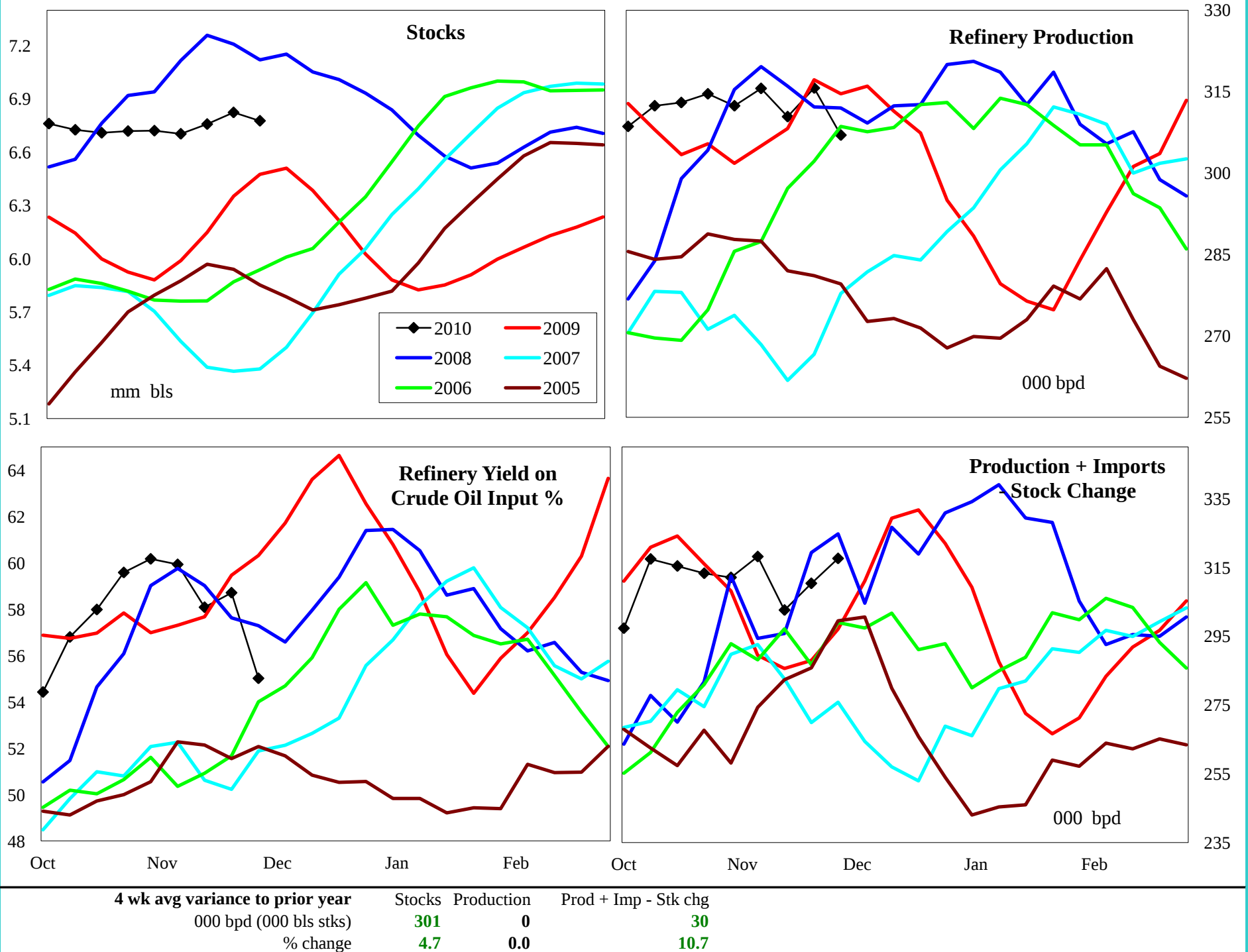
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

	Stocks	Production	Imports	Prod + Imp - Stk chg
000 bpd (000 bls stks)	2,775	-112	28	-20
% change	15.2	-30.4	33.9	-5.9

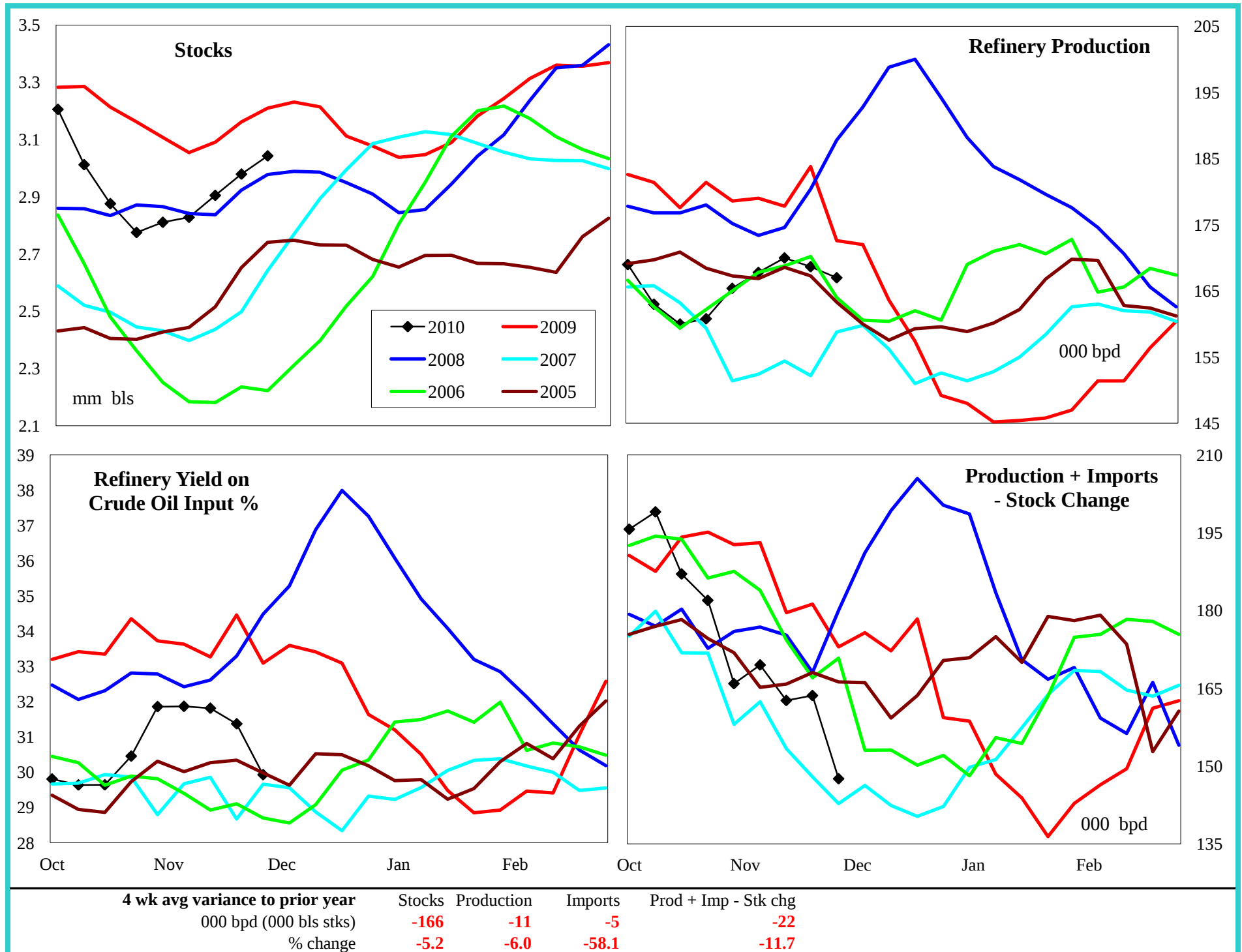
PADD 4 Crude Oil Supply and Refining



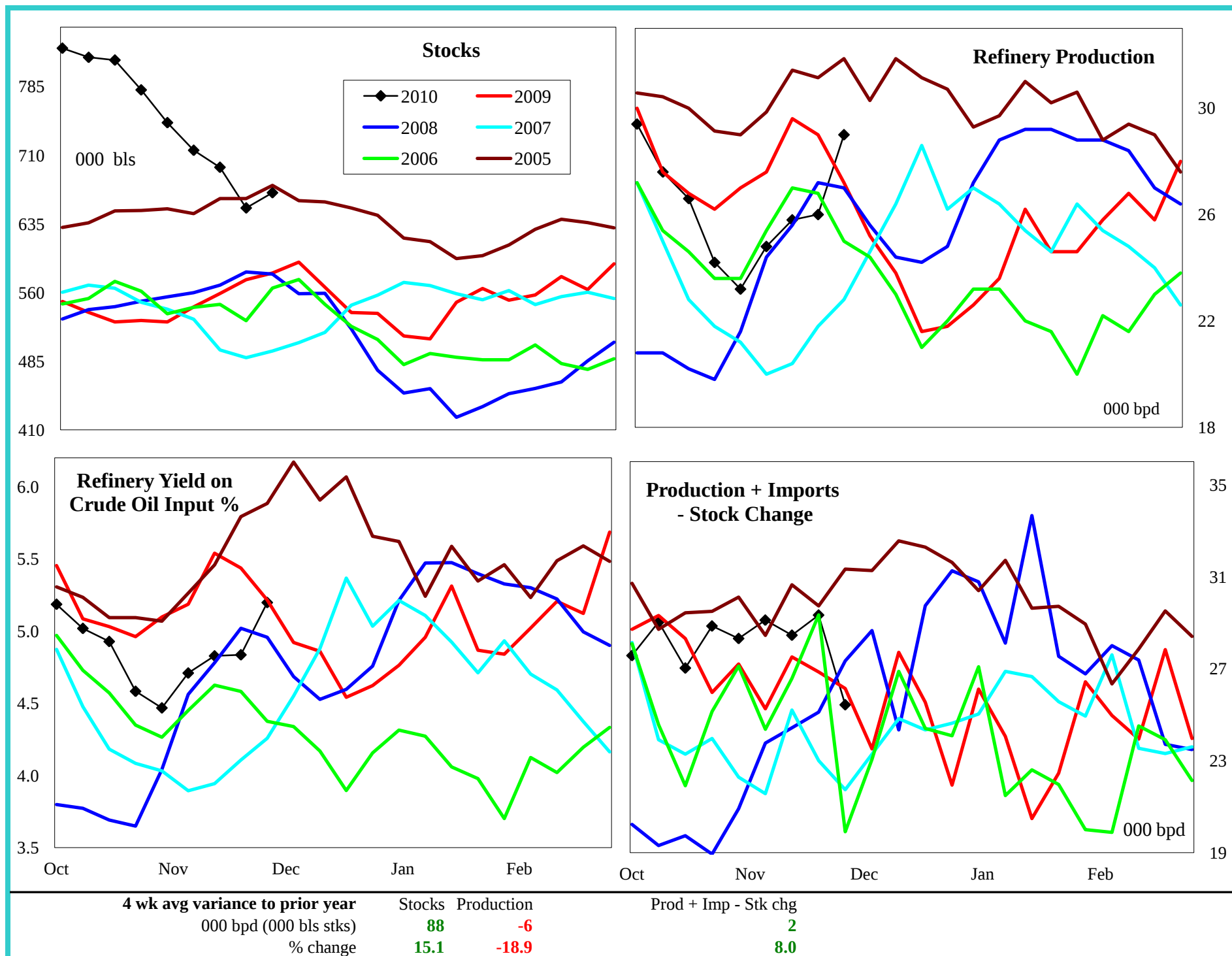
PADD 4 Gasoline Supply



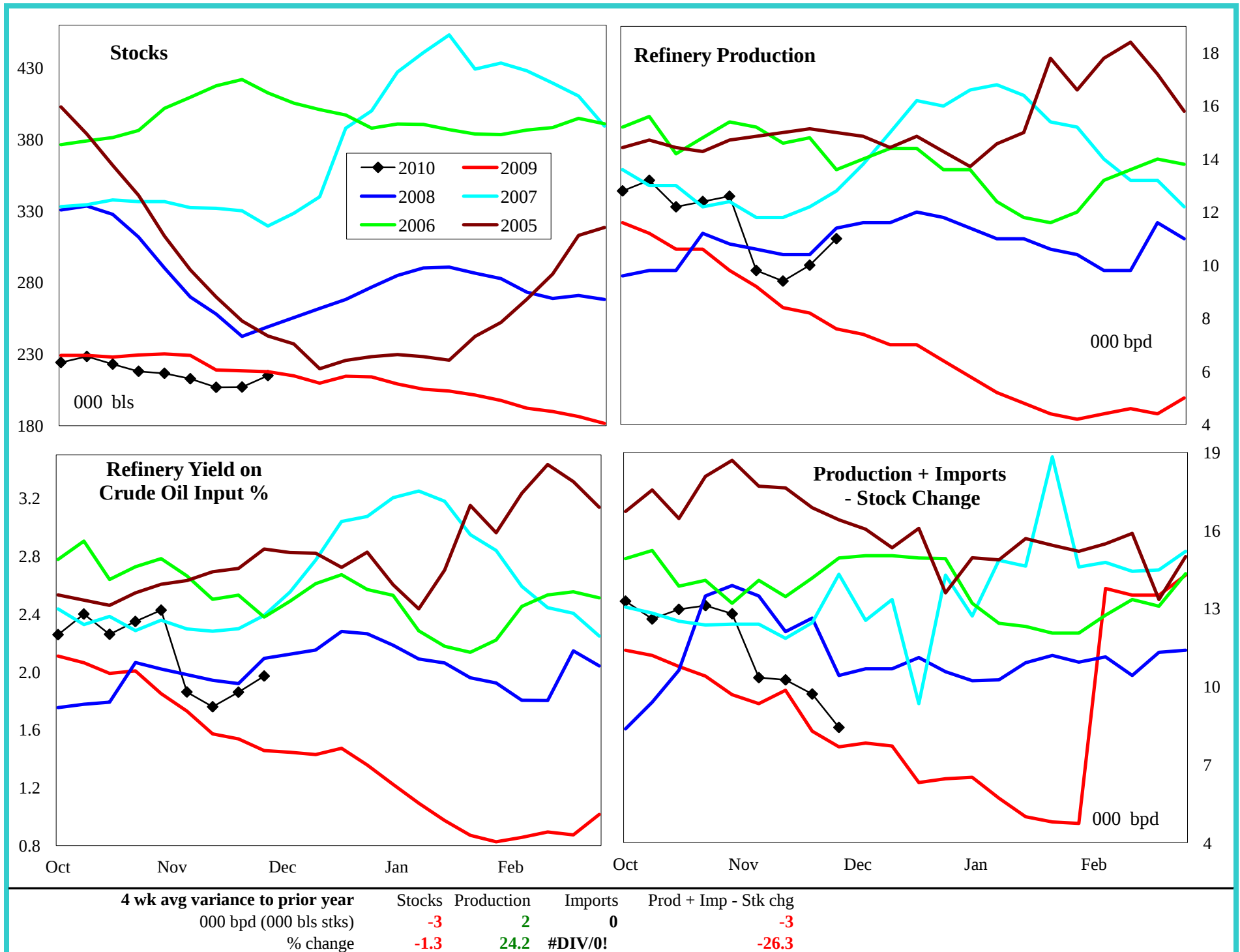
PADD 4 Distillate Supply



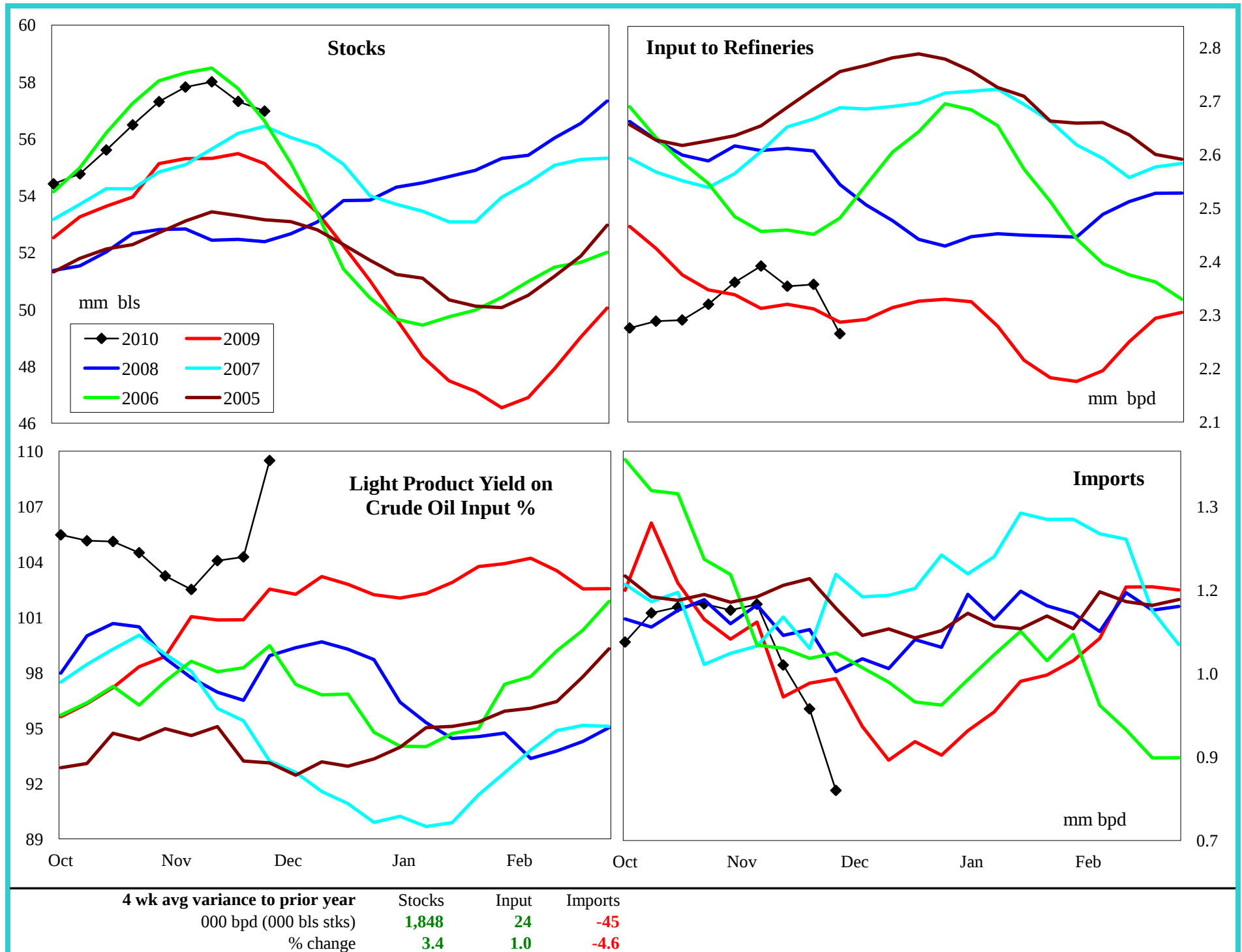
PADD 4 Jet Fuel Supply



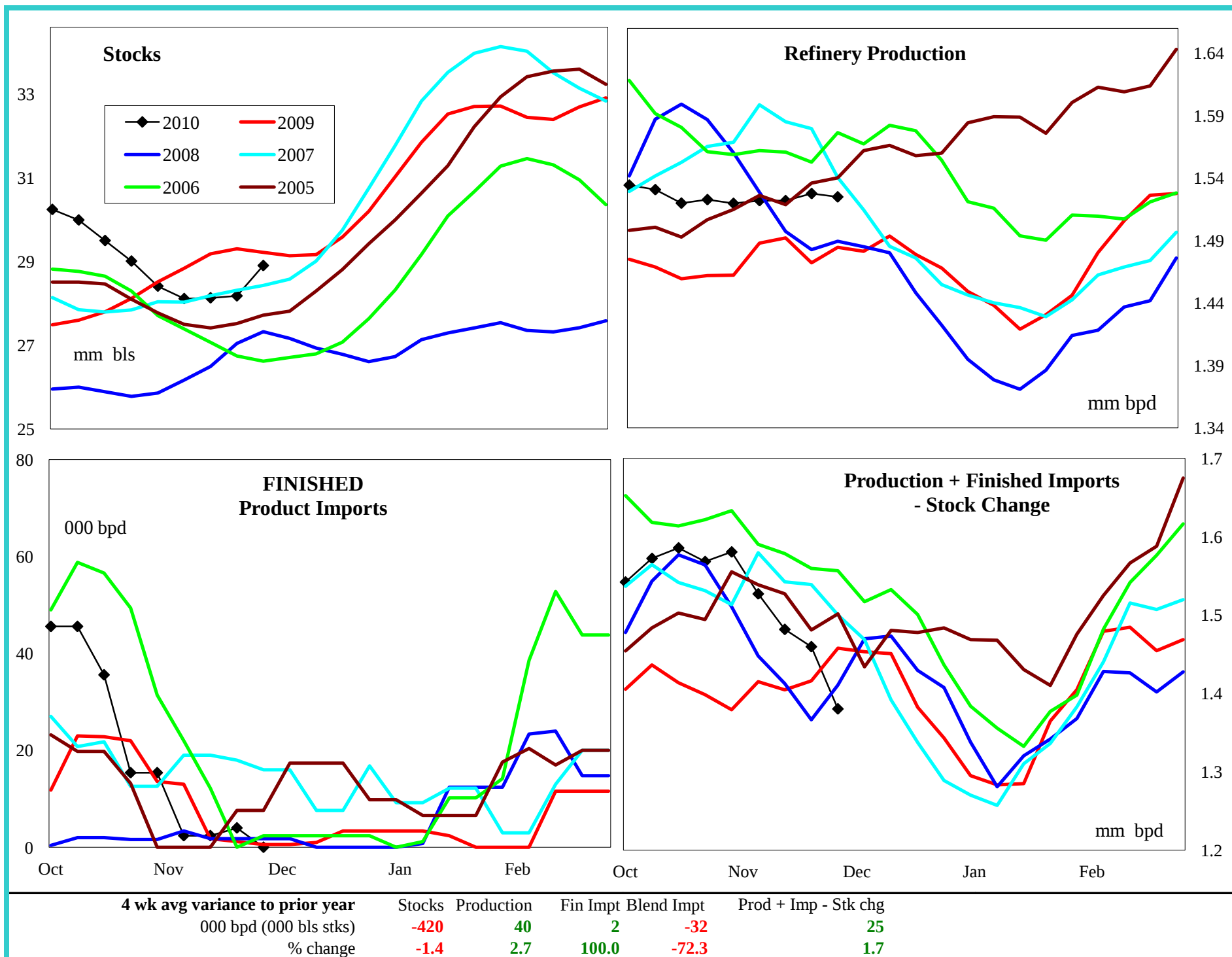
PADD 4 Residual Fuel Oil Supply



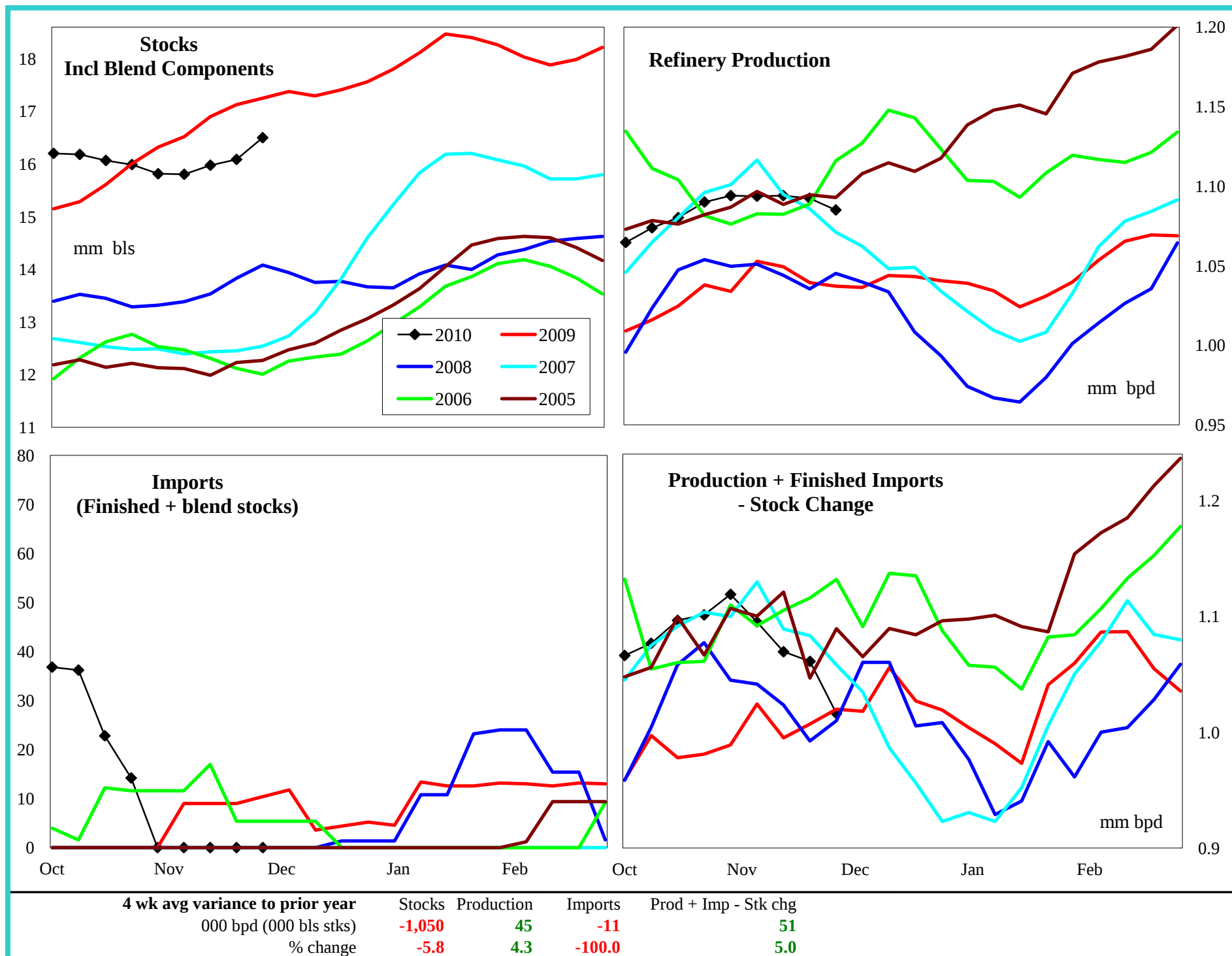
PADD 5 Crude Oil Supply and Refining



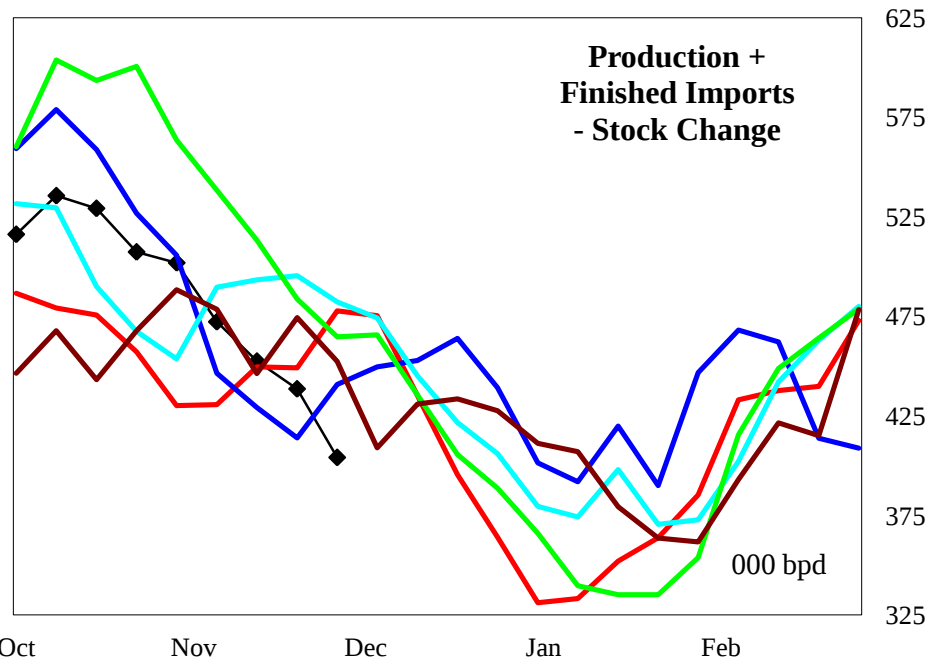
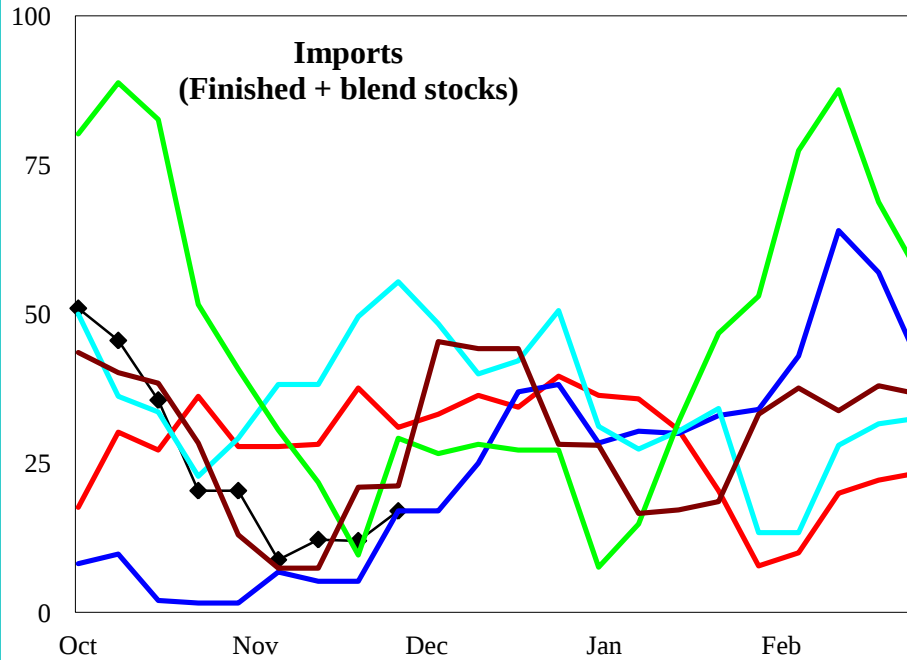
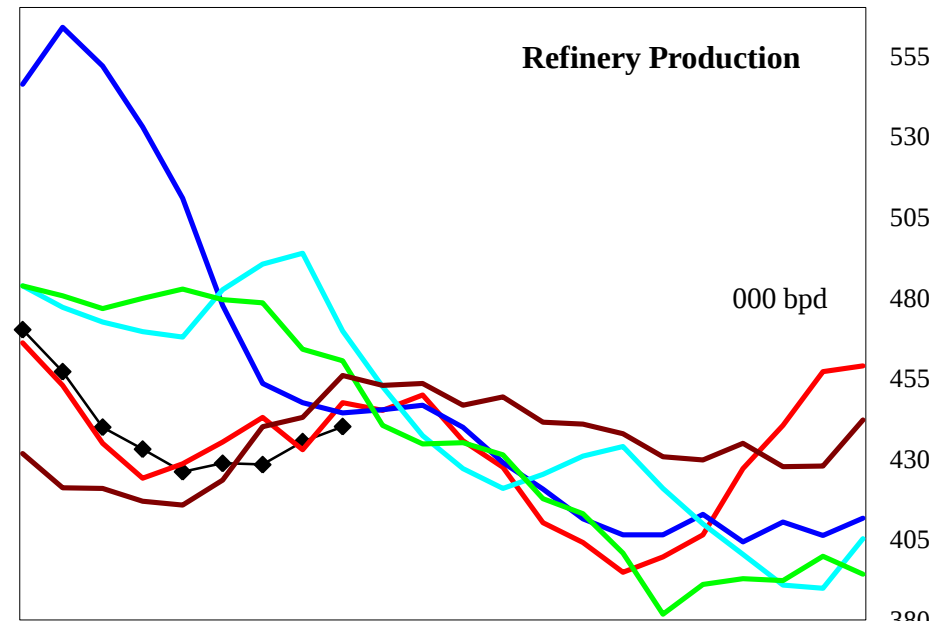
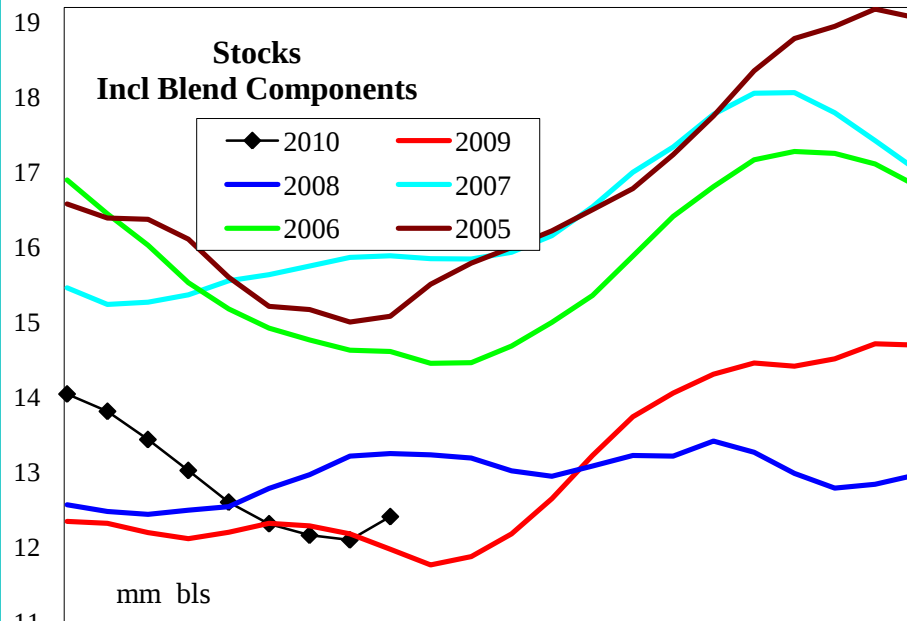
PADD 5 Gasoline Supply



PADD 5 Reformulated Gasoline Supply



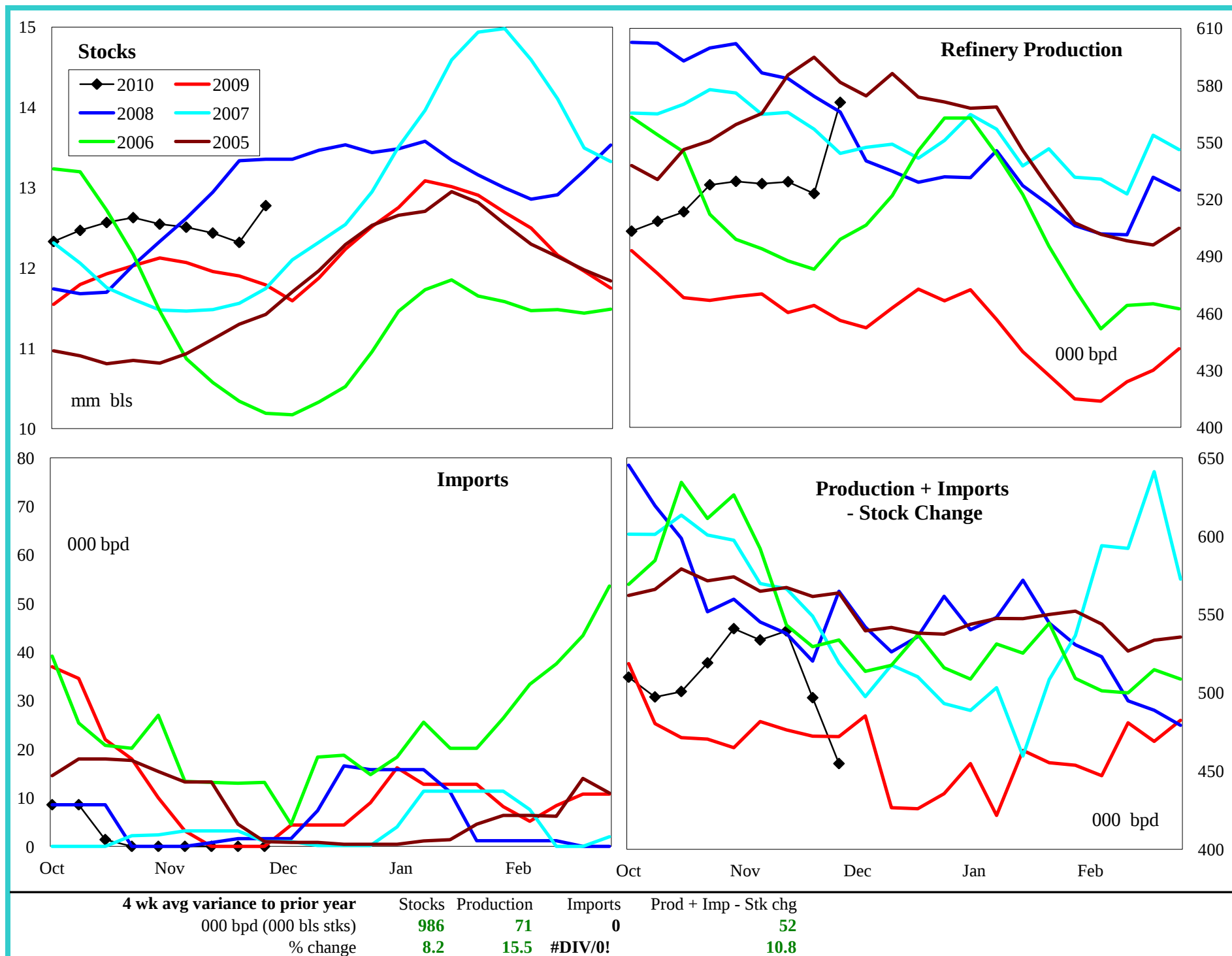
PADD 5 Conventional Gasoline Supply



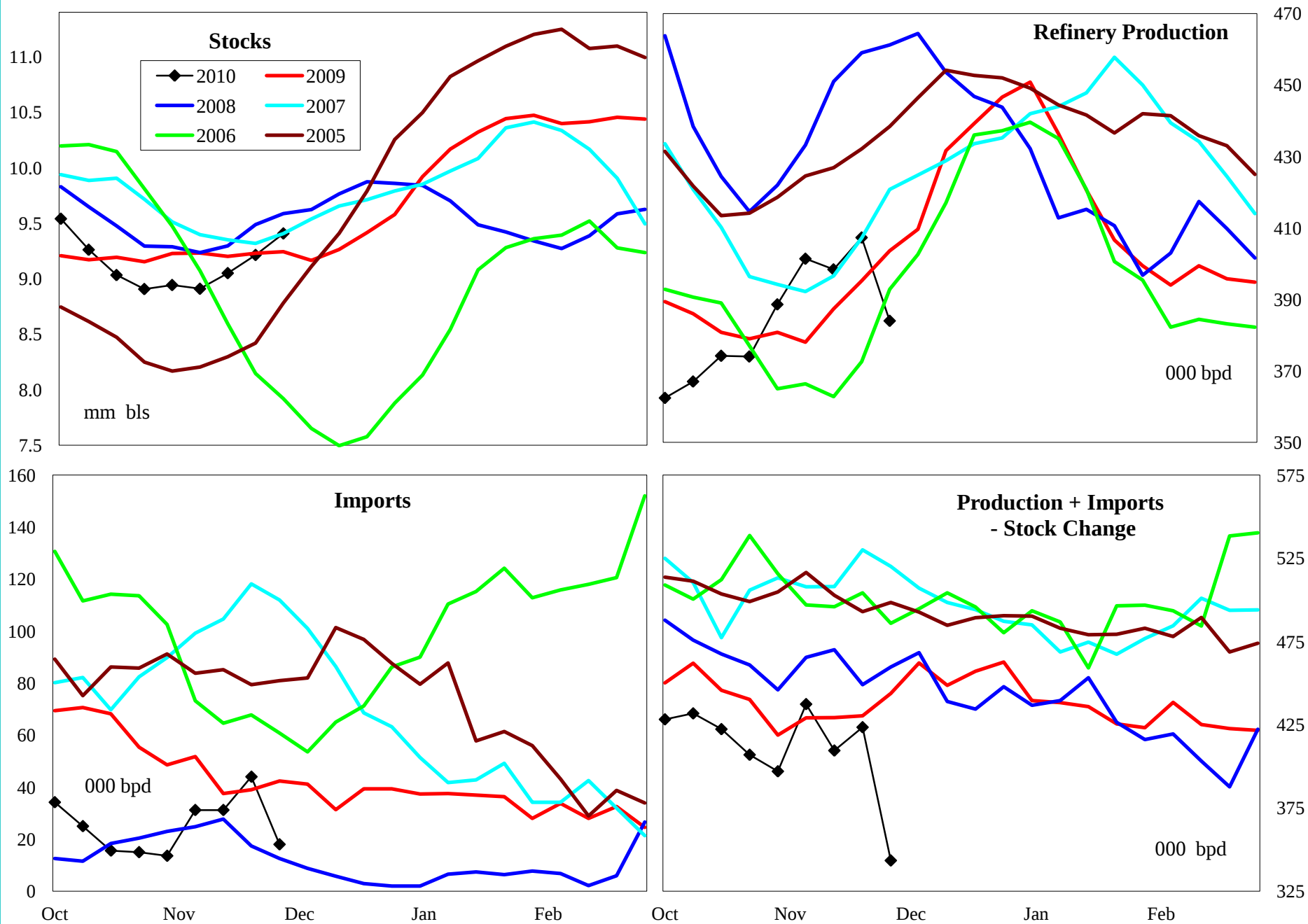
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

	Stocks	Production	Imports	Prod + Imp - Stk chg
000 bpd	630	-6	-19	-26
% change	5.4	-1.3	-55.8	-5.8

PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



4 wk avg variance to prior year

000 bpd (000 bls stks)

% change

Stocks

Production

Imports

Prod + Imp - Stk chg

179

8

2

-16

1.9

2.0

5.1

-3.8

PADD 5 Residual Fuel Oil Supply

