

WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

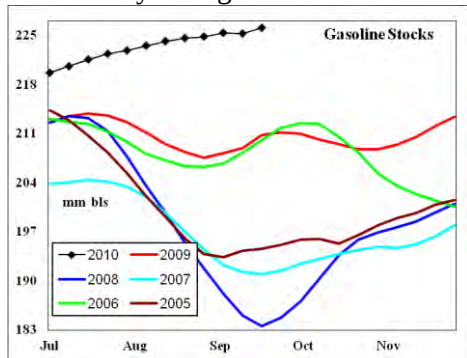
A Fundamental Petroleum Trends Weekly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, September 22,

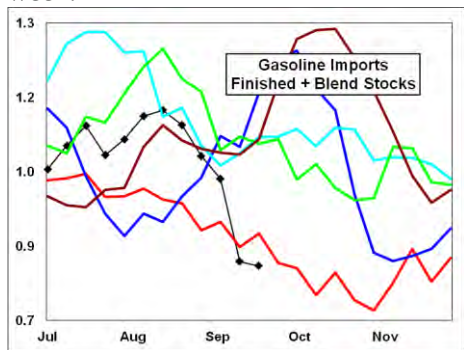


Major Fundamental Trends¹

Wholesale gasoline markets remain exceptionally over supplied with stock levels +13 million barrels above the prior 5-year high. All regional markets except the Midwest also reported stock levels at 5-year highs.



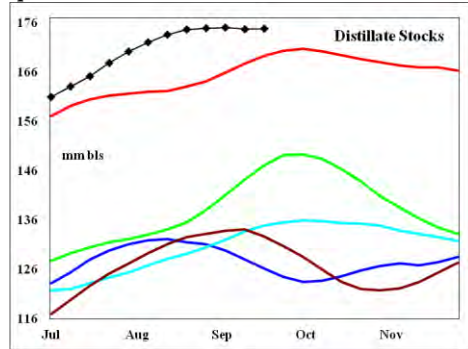
Even though refiners are maximizing distillate output at the expense of gasoline, and imports match 5-year lows for this time of year, stocks increased +1.6 million barrels last week.



A modest seasonal upturn in gasoline demand during the Oct - Nov period, above normal FCCU maintenance in the Midwest and low imports should drive some improvement in the supply balance. However the extreme inventory overhang will likely remain burdensome for an extended period.

Distillate stock levels match or exceed 5-year highs in all regional markets except the West Coast. Production matched the 5-year high last week. While the market is also over supplied, looking forward, the

supply balance is less burdensome than for gasoline. Rising seasonal use for Midwest fall harvest, robust exports and the winter heating season each should support higher seasonal demand. Fall refinery maintenance in the Midwest should tighten supply in that region during the upcoming quarter.



In addition, the closure of 1.9 million bpd of crude oil refining capacity in Europe and the U.S. East Coast over the last 18-months (some permanent and some temporary) may lead to a tightening of Atlantic Basin distillate supplies over the next several months.

Demand for gasoline extended the seasonal downtrend, while distillate also saw a pull back from recent highs.

Wholesale demand (including exports) measured over the last four weeks compared to a year ago: gasoline -0.1%; distillate up +12.9%; jet fuel up +2.4% while residual fuel oil decreased -9.3%

Stocks forward coverage: Gasoline demand coverage increased last week on a +1.6 million barrel stock build and seasonal decline in demand. Coverage was a new record high for the last 5-years.

Distillate demand coverage declined last week on a +0.3 million barrel build, offset by robust export demand. The coverage level was below last years' record high.

Jet fuel coverage remains above the historic range on record high stock levels and lackluster demand.

Residual fuel oil coverage remains above the historic range on weak very weak demand and high stock levels.

Refinery utilization rates increased on a +41,000 bpd rise in crude oil runs last week. Crude oil runs for the latest 4-wk period were -13,000 bpd below a year ago.

Gasoline yield % on crude oil runs declined last week on a -155,000 bpd decrease in production versus a +41,000 bpd rise in crude runs. Yield % fell to near the 5-year mid range., well below the last 2-years.

Distillate yield % on crude oil runs decreased on a -63,000 bpd decline in output versus the increase in crude oil runs. Yield % fell below the 5-year record high for the period.

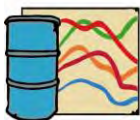
Jet fuel yield % on crude oil runs decreased on a -66,000 bpd drop in production, with the yield % at the historic mid range.

Petroleum Imports of crude oil and gasoline were higher last week while middle distillates were slightly lower.

During the latest 4-wk period distillate imports increased +31,000 bpd compared to last year; finished gasoline imports decreased -144,000 bpd, gasoline blend stock imports increased +176,000 bpd; jet fuel imports decreased -4,000 bpd, while residual fuel oil imports increased +88,000 bpd.

Crude Oil imports increased +295,000 bpd on the week, but remain at the low end of the historic range. Low imports are due in part to the shutdown of Enbridge Pipeline from Canada. With the line restarted, expect imports to increase into PADD 02 in the near term. Stocks decreased -0.2 million barrels in Cushing, where the level remains +25% above last years' record high. Stock levels were above the 5-year range in all regional markets except PADD 1. Refinery closures on the East Coast have reduced the need for working stocks.

¹ Source is latest EIA Weekly Statistics



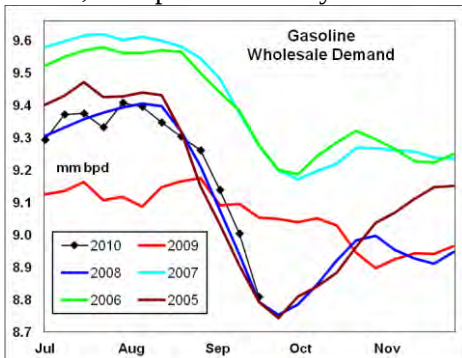
WEEKLY PETROLEUM SUPPLY-DEMAND TRENDS

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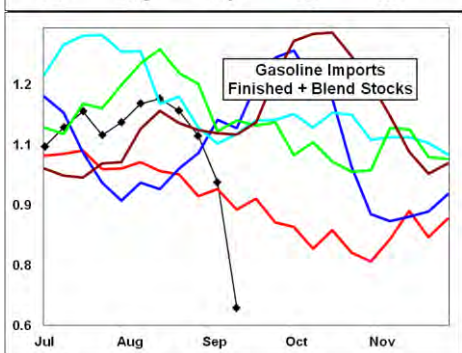
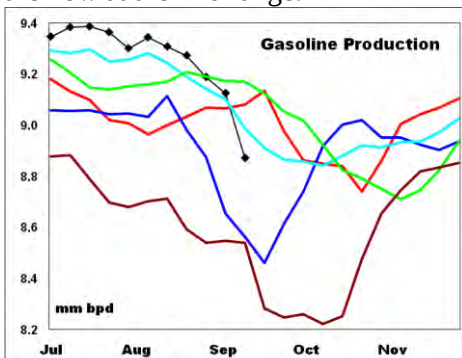
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Product Supply-Demand Trends

Gasoline demand decreased -172,000 bpd as the end of summer downtrend continued. The latest 4-wk average was -9,000 bpd below last year.



Production decreased -155,000 bpd last week, partially offset by a +206,000 bpd rise in imports. Production levels are now at the mid range.



Lower seasonal demand led to a +1.6 million barrel stock build last week, lifting the level +13 million barrels above the prior record high. Stock levels are at 5-year highs in all regional markets except PADD 2.

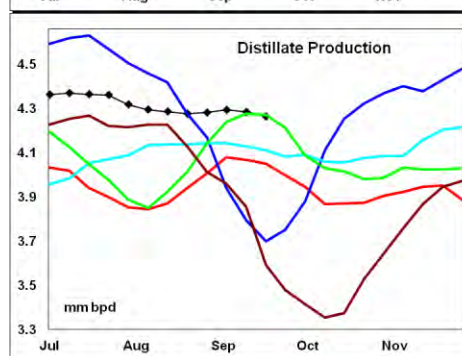
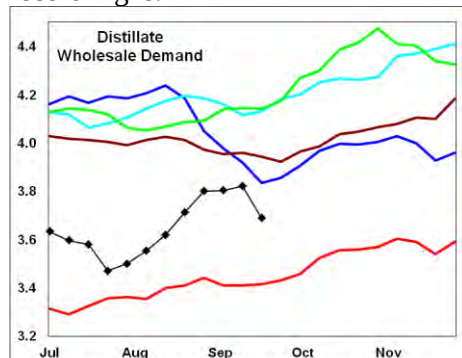
Regional markets, other than PADD 02, are exceptionally well supplied. Low gasoline refining margins compared to middle distillates should cause refiners to switch to increased distillate output. However,

record stock levels and seasonally lower demand point to a continued downside risk for gasoline prices.

Distillate demand declined -153,000 bpd last week, with the 4-wk average to +438,000 bpd above last years' depressed level.

Production decreased -63,000 bpd on the week, while imports were nearly unchanged. Production rates match the prior 5-year high.

Stocks increased +0.3 million barrels on the week. Stock levels are +4.1 million barrels above last years' record highs.



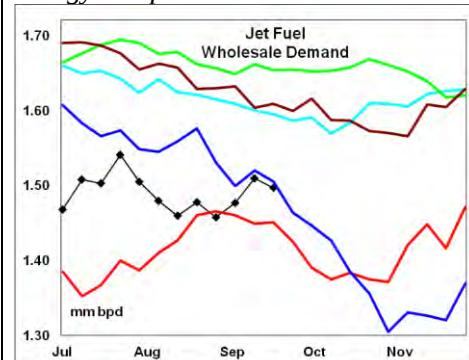
Distillate stock levels are at 5-year highs in all regions except the West Coast on very high production rates in PADDs 02, 03, and 04; all regions that did not close capacity during the recession. Expect a seasonal decline in production on fall refinery maintenance and strong exports to support prices compared to the overall energy complex.

Jet Fuel demand increased +5,000 bpd on the week, with the latest 4-wk average +34,000 bpd above last year.

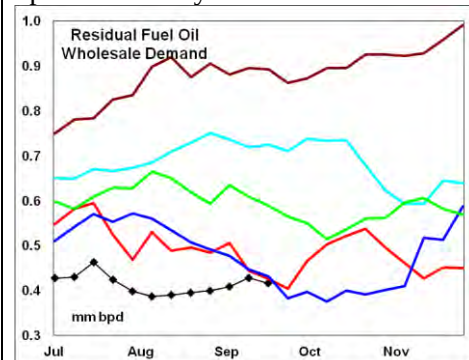
Supply declined -104,000 bpd on the week, a level marginally above the last 3-years.

Stocks decreased -0.3 million barrels last week, but levels remain well above the historic range.

A seasonal decline in demand, record stock levels and production at above average rates should assure a very well supplied market during the next quarter. These trends should limit price strength relative to the overall energy complex.

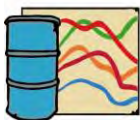


Residual fuel oil demand, including exports, increased +59,000 bpd last week, with the 4-wk average -46,000 bpd below last year.



Supply (production + imports) increased +198,000 bpd on the week, with the latest 4-wk average +20,000 bpd above a year ago. Production increased +115,000 bpd last week to just below the mid range. Stock levels remain above four of the last five years.

Output has increased +150,000 bpd since record lows in early August. Stock levels have climbed to record highs in the Gulf, while other regions are near the mid range. The over supplied Gulf market should limit price strength for residual fuel in the region.



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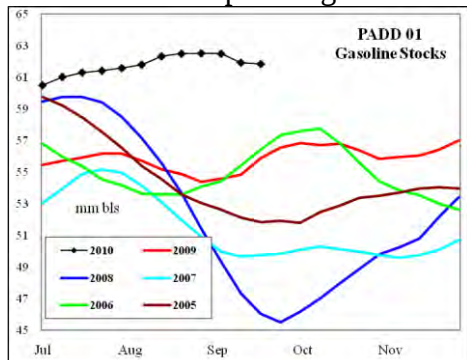
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PADD Supply Trends

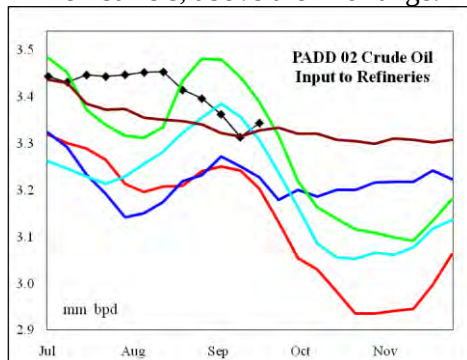
PADD 1 refinery crude oil runs decreased -16,000 bpd on the week, with the 4-wk average -111,000 bpd below last years' record low rate.

Gasoline production decreased -37,000 bpd on the week, with the latest 4-wk average +361,000 bpd above a year ago. Imports climbed 226,000 bpd last week, but the level remains at the low end of the historic range. Stocks increased +0.4 million barrels, and with the level well above prior highs.



Distillate supply increased +37,000 bpd last week, but remains at the low end of the historic range. Stocks increased +0.6 million barrels on the week, a level near last years' record high.

Jet fuel supply decreased -23,000 bpd on the week, and remains near historic lows. Stocks increased +0.3 million barrels, above the mid range.



PADD 2 crude oil refinery runs increased +21,000 bpd last week, a level above the mid range. Imports remain extremely low, due to the Enbridge shut down last week. Stocks decreased -0.9 million barrels,

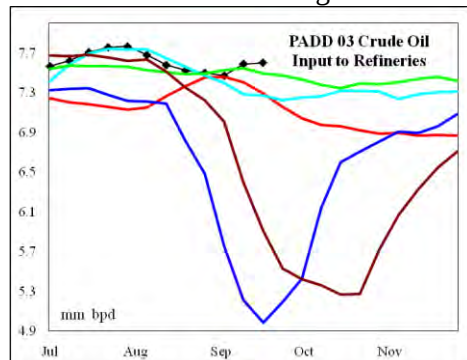
including a -0.2 million barrel decline in Cushing.

Gasoline production levels remain at the low end of the historic range for the week. Stocks increased +0.5 million barrels to the upper end of the historic range.

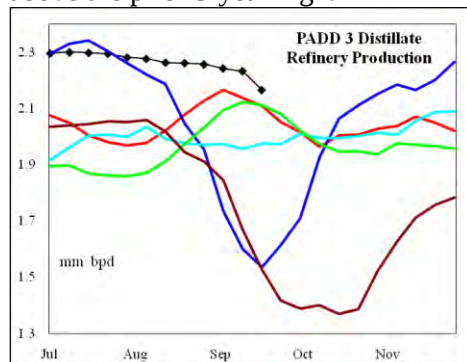
Distillate production remains above the 5-year range and +12% above last years' reduced level. Stocks increased +0.2 million barrels to a level above the historic range.

Jet fuel production decreased -30,000 bpd but remains above the historic range. Stock levels were above last years' record high.

PADD 3 crude oil runs increased +36,000 bpd, with the level above the 5-year high for this time of year. The latest 4-wk average was +11,000 bpd above a year ago. Crude imports increased +0.3 million bpd to a level above the historic mid range.



Gasoline production declined -43,000 bpd on the week. Stocks increased +0.3 million barrels and remain +7% above the prior 5-year high.



Distillate production decreased -93,000 bpd on the week, but remains above the historic range. Stocks decreased -1 million barrels on the week, as

deliveries increased to other regions.

Jet fuel production remains at the mid range of the last 5-years on the week. Stock levels were +17% above the prior record high.

Residual fuel oil production increased +106,000 bpd on the week, matching the historic high. Stocks increased +1.2 million barrels, a new record high level.

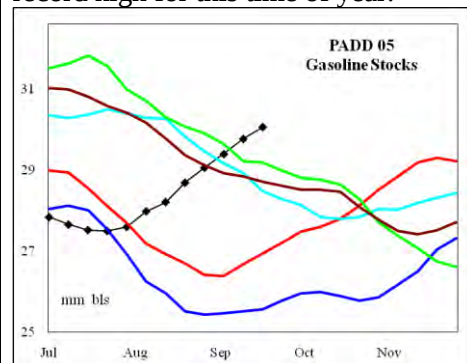
PADD 4 refinery crude runs increased +28,000 bpd on the week, to a level above the historic range. The latest 4-wk average thru put was -8,000 bpd below last year. Imports fell to the mid range. Stock levels remain well above the 5-year range.

Gasoline production and stock levels are each above the historic range.

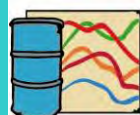
Distillate production and stock levels are also each above the historic range.

PADD 5 crude oil refinery runs decreased -31,000 bpd on the week, with the latest 4-wk average +20,000 bpd above last year. Crude imports increased +321,000 bpd last week but remain at the low end of the historic range. Stocks increased +0.7 million barrels a level above the historic range.

Gasoline production increased +103,000 bpd on the week, to a level above the mid range. Imports increased +24,000 bpd. Stocks were +0.3 million barrels higher, to a new record high for this time of year.



Distillate production was nearly unchanged while imports decreased -17,000 bpd. Stocks continued the recent uptrend, increasing +0.4 million barrels, to a level above the mid range.

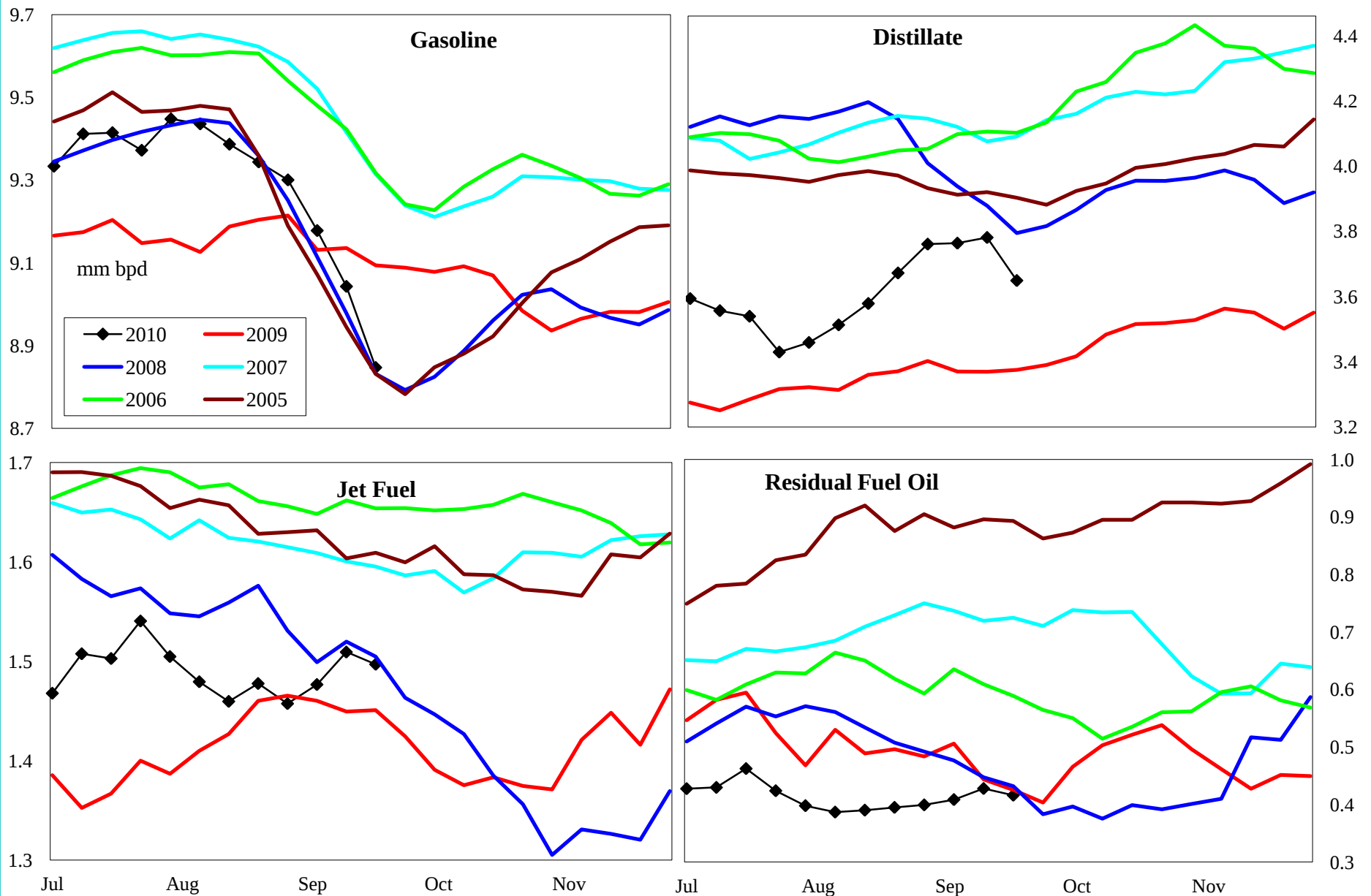

**FUNDAMENTAL
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PETROLEUM: Graph Link and Weekly Summary

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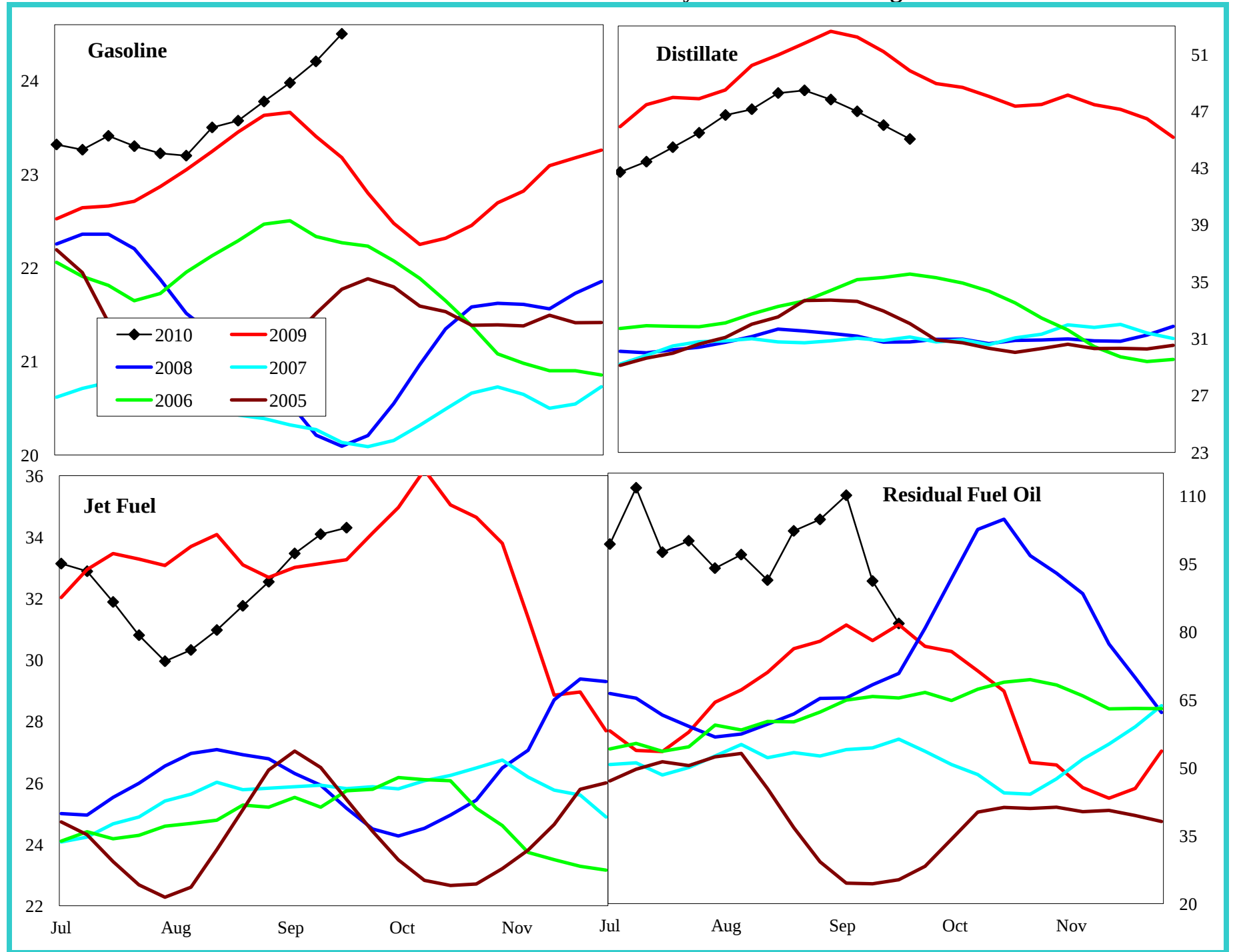
Fundamental Trends	Wholesale Demand	Stocks Days Fwd Coverage		Refinery Utilization Product Yield %			Imports
Supply/Demand Trends	17-Sep-10	EIA-DOE CHANGE FROM PRIOR WEEK					
	000 bpd stocks 000 bls	U. S. Total	PADD				
			1	2	3	4	5
Crude Oil	Stocks	970	787	-899	528	-119	673
	Imports	295	-233	-4	321	-110	321
	Input	41	-16	21	36	28	-31
	% Utilization	0.20					
Gasoline	Stocks	1,590	352	465	313	135	324
	Production	69	-37	5	-43	41	103
	Imports	206	226	-2	-42	0	24
	Supplied	-172					
Distillate	Stocks	347	597	178	-989	202	359
	Production	-63	13	5	-93	8	4
	Imports	9	24	0	0	2	-17
	Supplied	-153					
Jet Fuel	Stocks	-256	279	89	-530	81	-175
	Production	-66	-3	-30	8	-2	-39
	Imports	-38	-20	0	0	0	-18
	Supplied	5					
Residual Fuel Oil	Stocks	373	-579	-100	1,153	-9	-91
	Production	115	-1	-4	106	-1	14
	Imports	83	140	0	-6	0	-52
	Supplied	59					

United States Wholesale Petroleum Demand

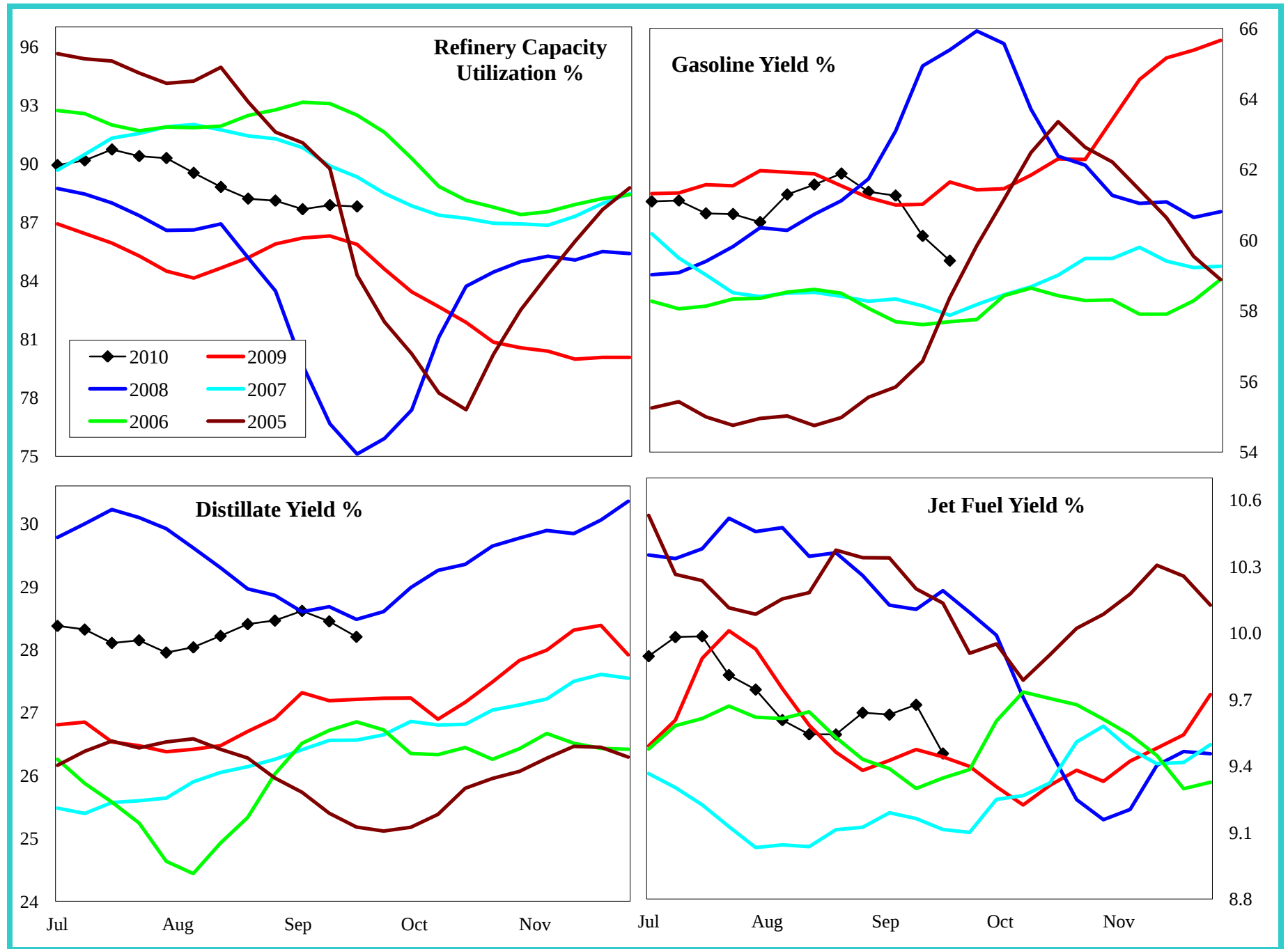


	000 bpd change from prior year				% change from prior year				
	4wk avg	Aug	Jul	Jun	4wk avg	Aug	Jul	Jun	
Gasoline	-9	76	139	104	-0.1	0.8	1.5	1.1	
Distillate	438	364	213	246	12.9	10.6	6.3	7.0	
Jet Fuel	34	0	10	82	2.4	0.0	0.7	5.8	
Resid	-46	-22	178	-61	-9.3	-4.7	55.8	-10.8	

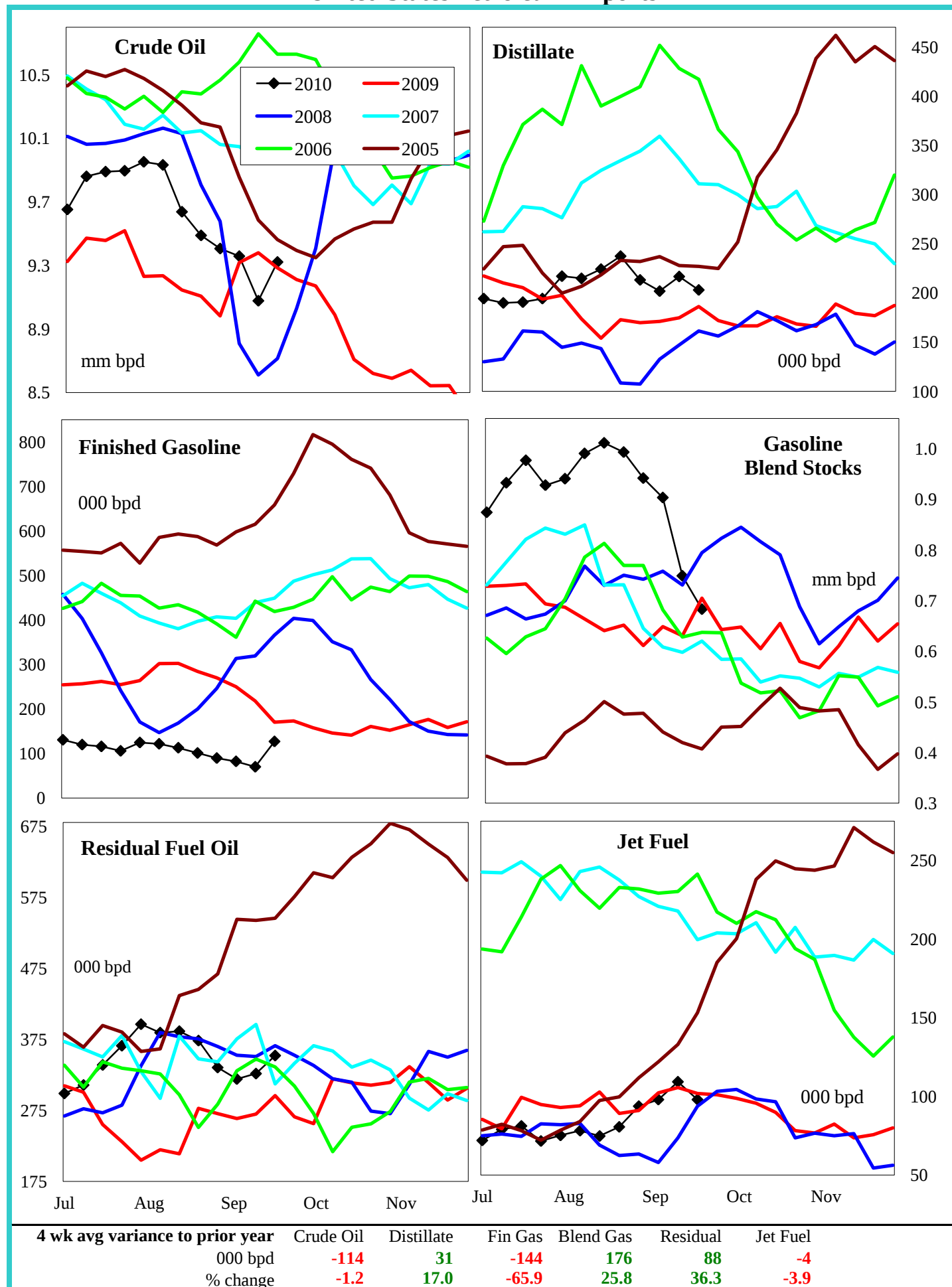
United States Product Stocks: Days Forward Coverage



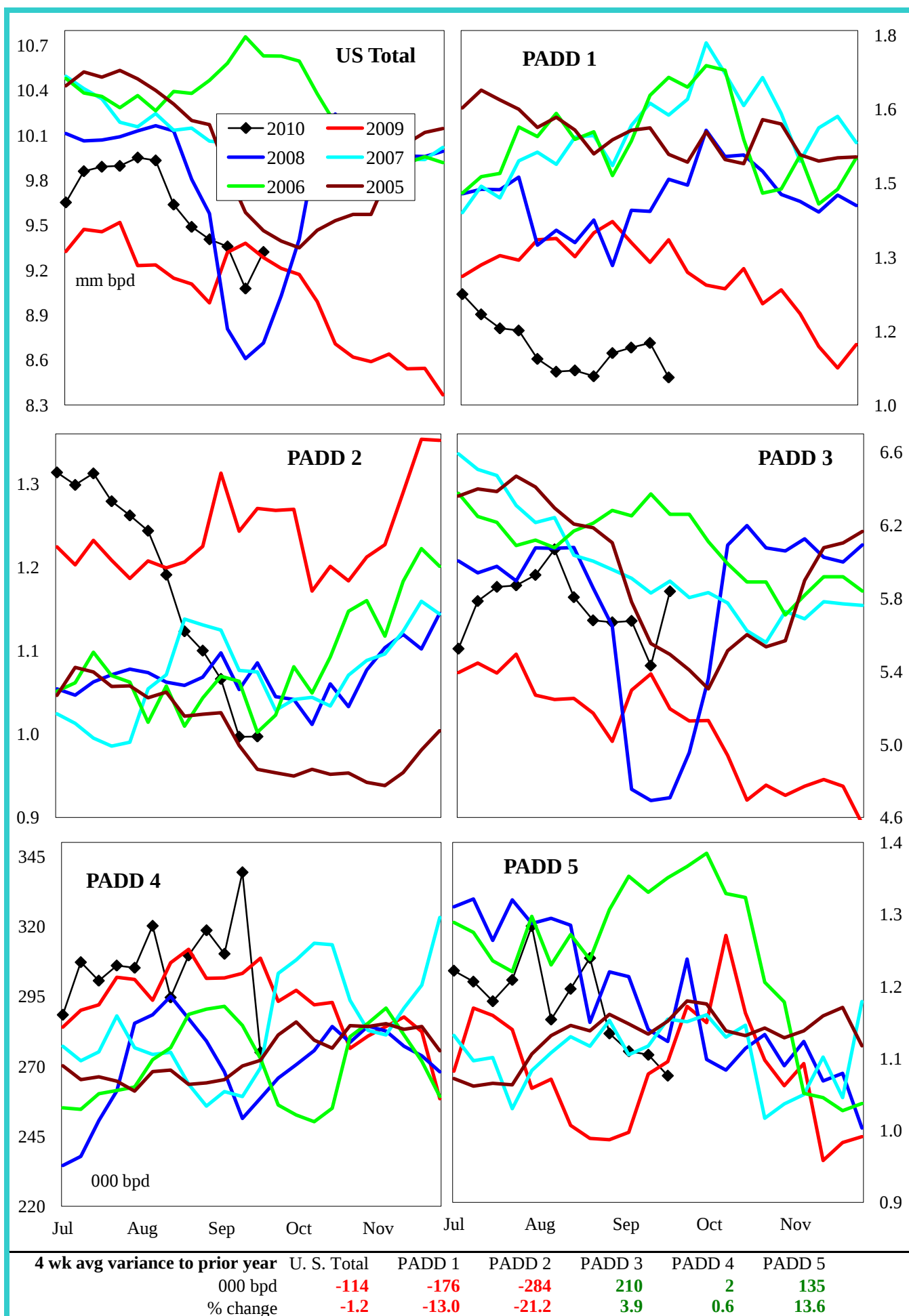
United States Refinery Percent Utilization Rate and Product Yields



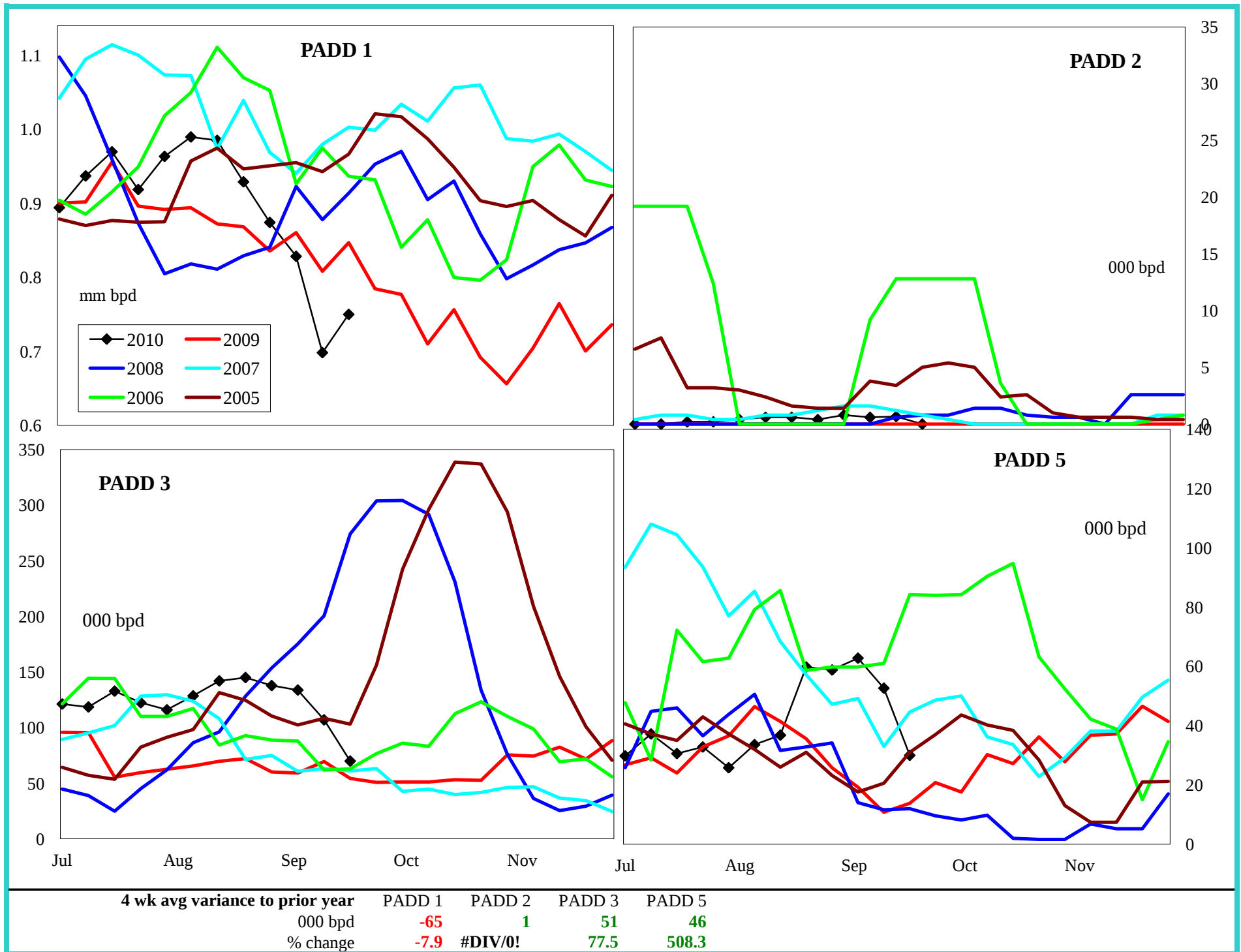
United States Petroleum Imports



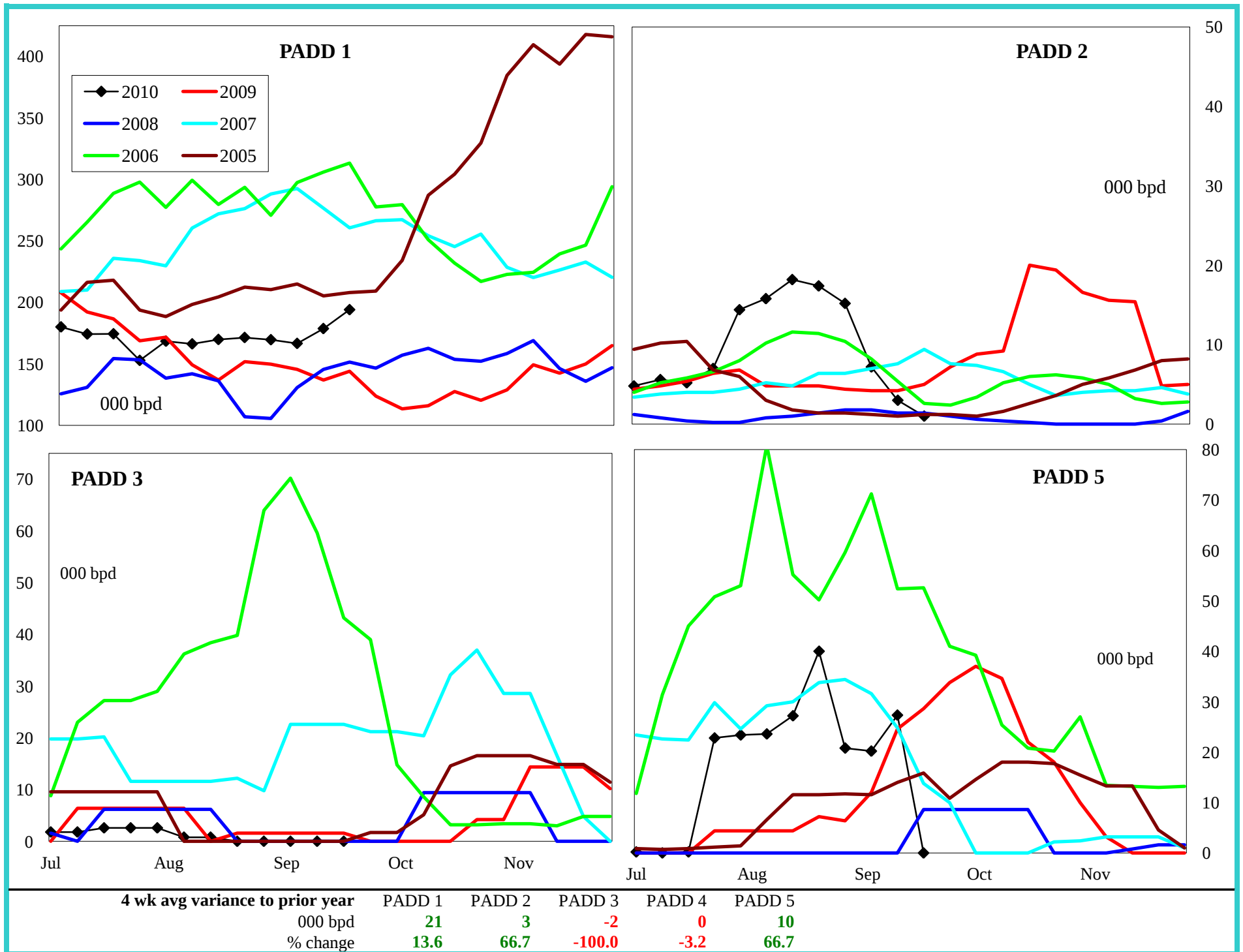
Crude Oil Imports by PADD



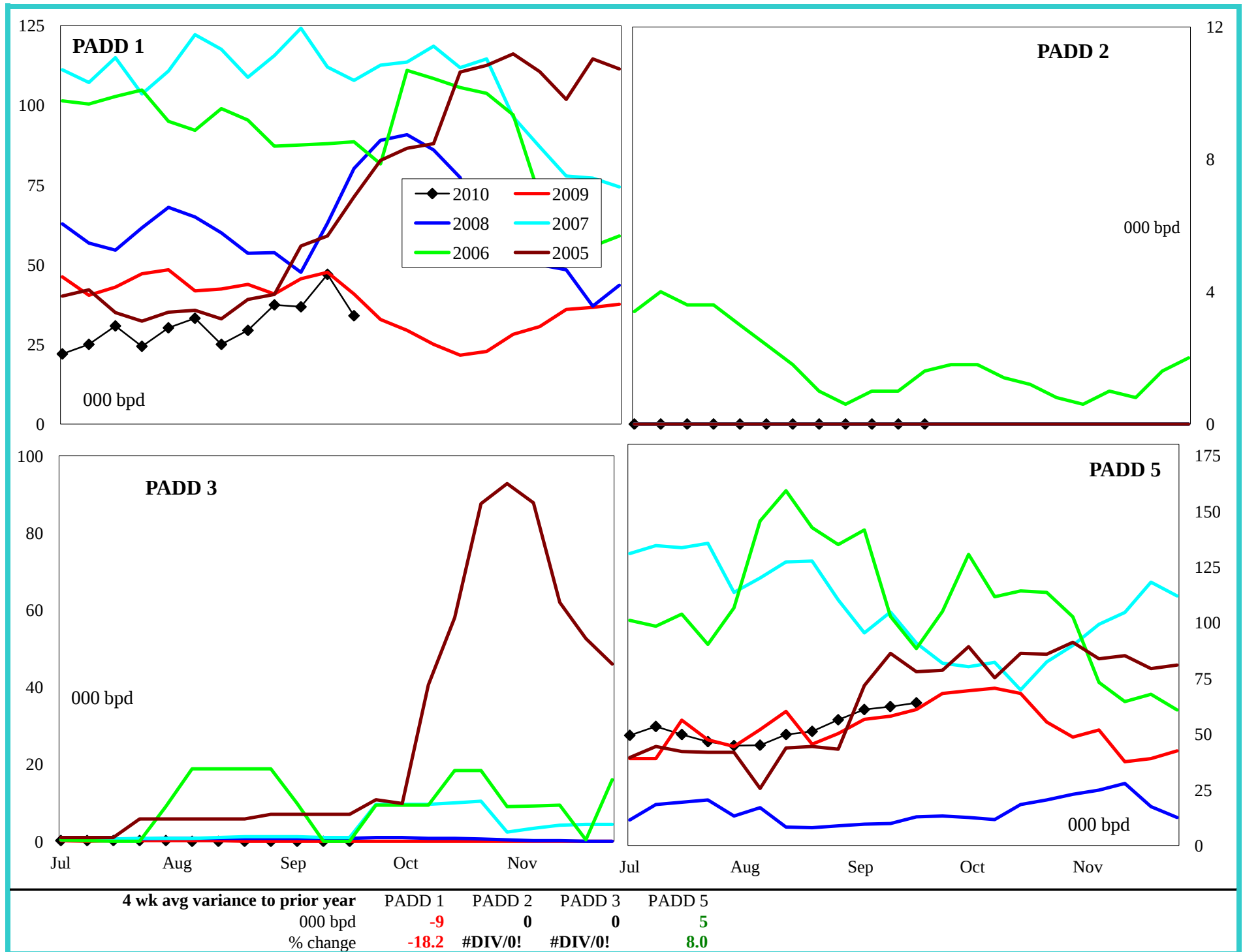
Gasoline Imports by PADD (Finished + Blend Stocks)



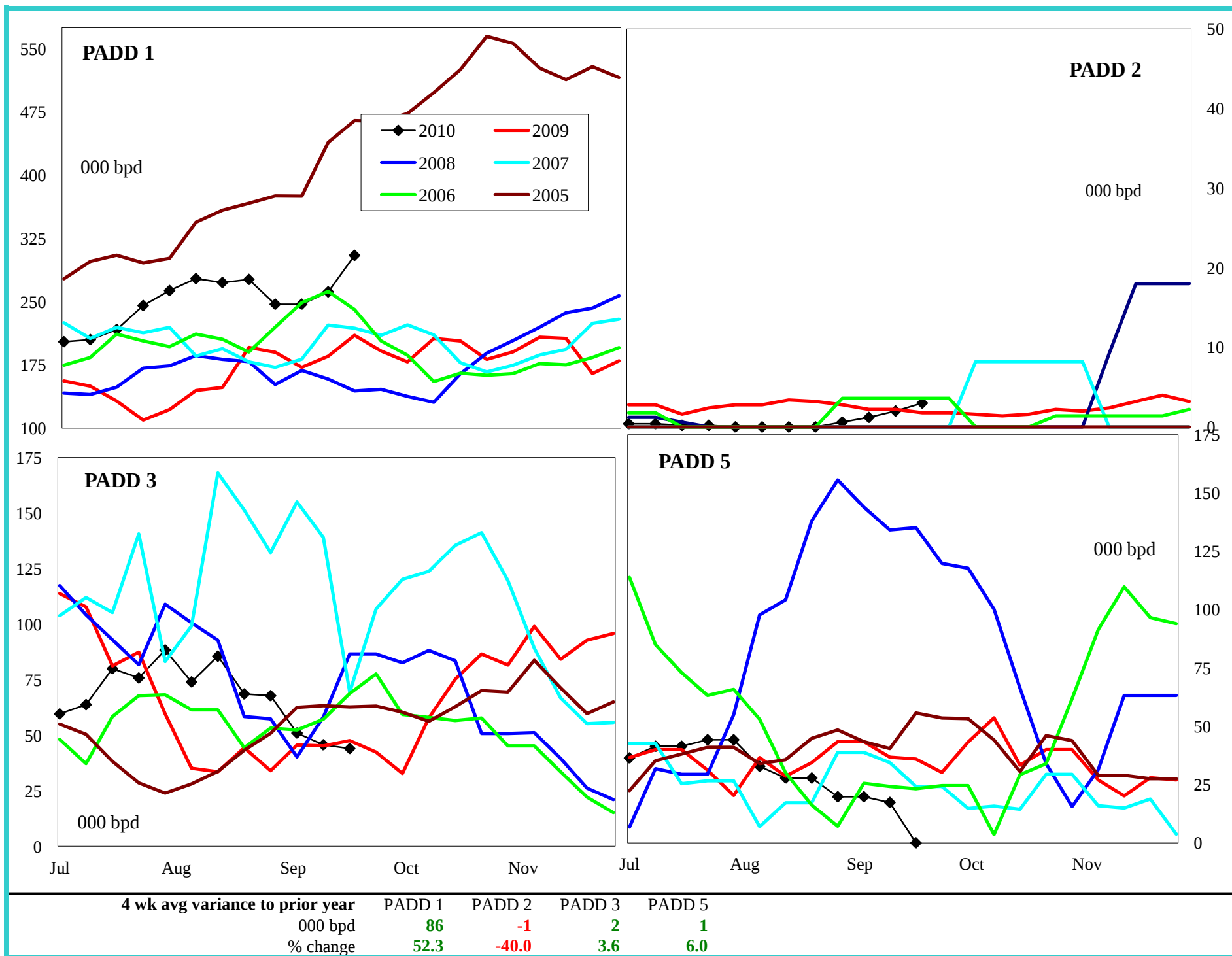
Distillate Imports by PADD



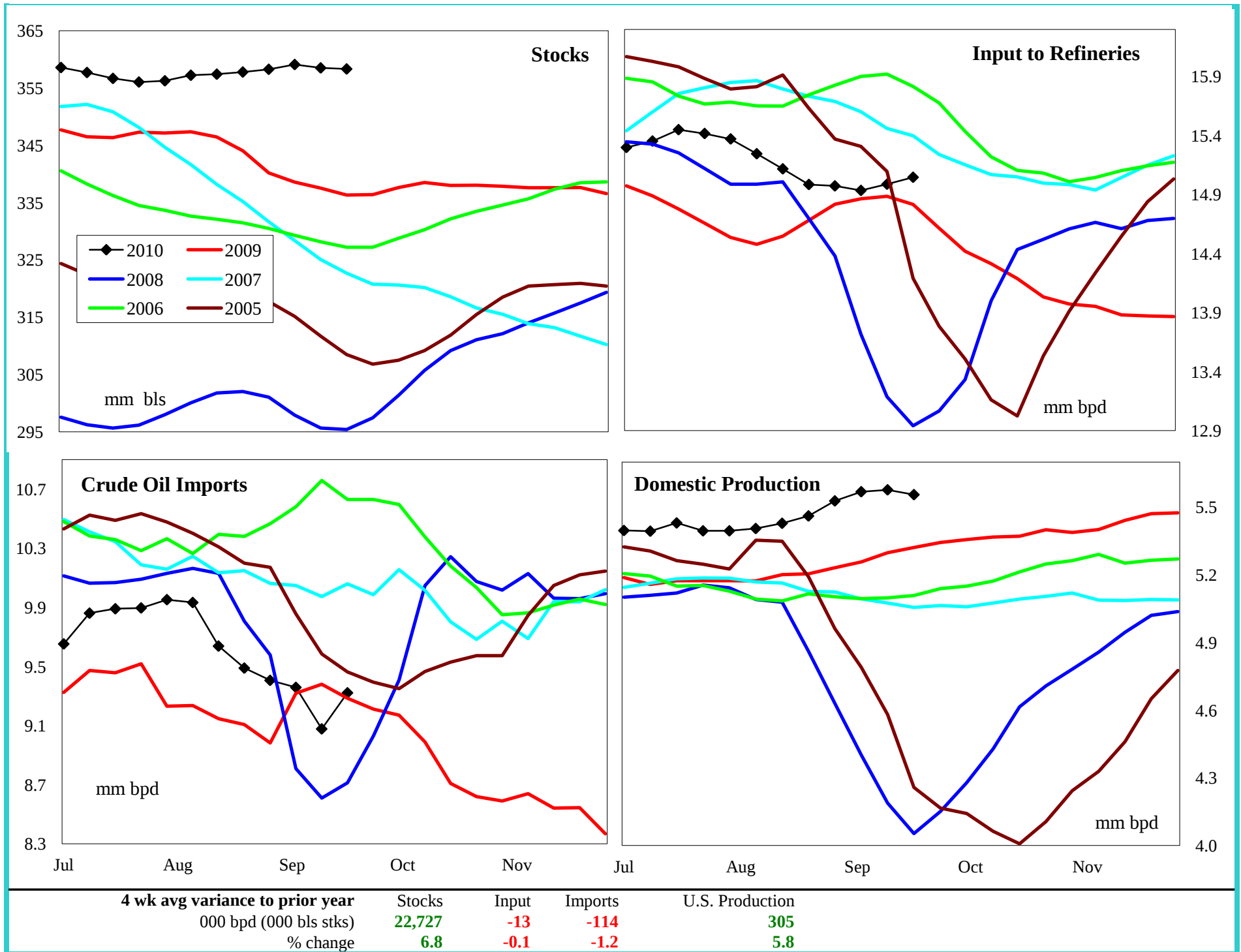
Jet Fuel Imports by PADD



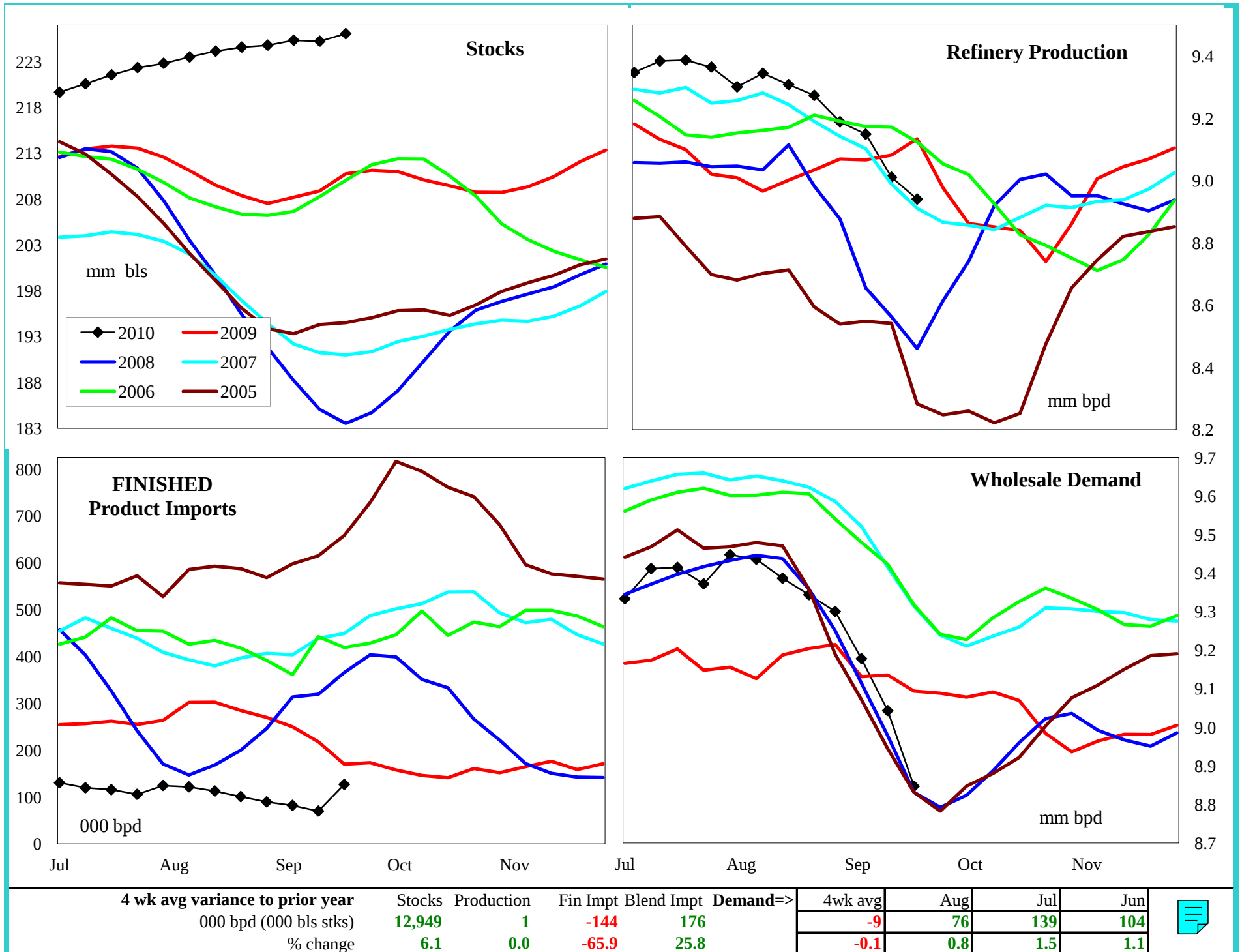
Residual Fuel Oil Imports by PADD



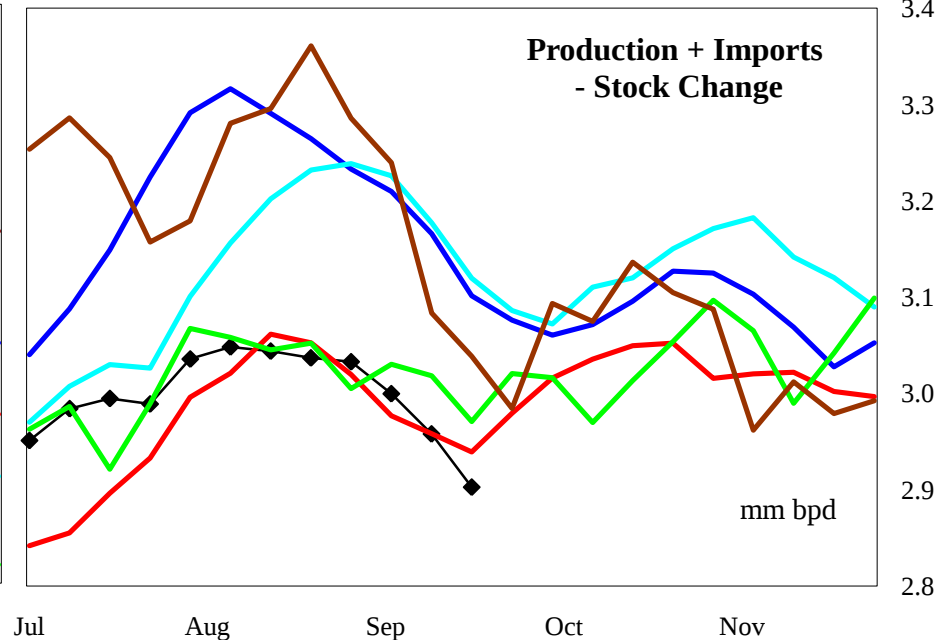
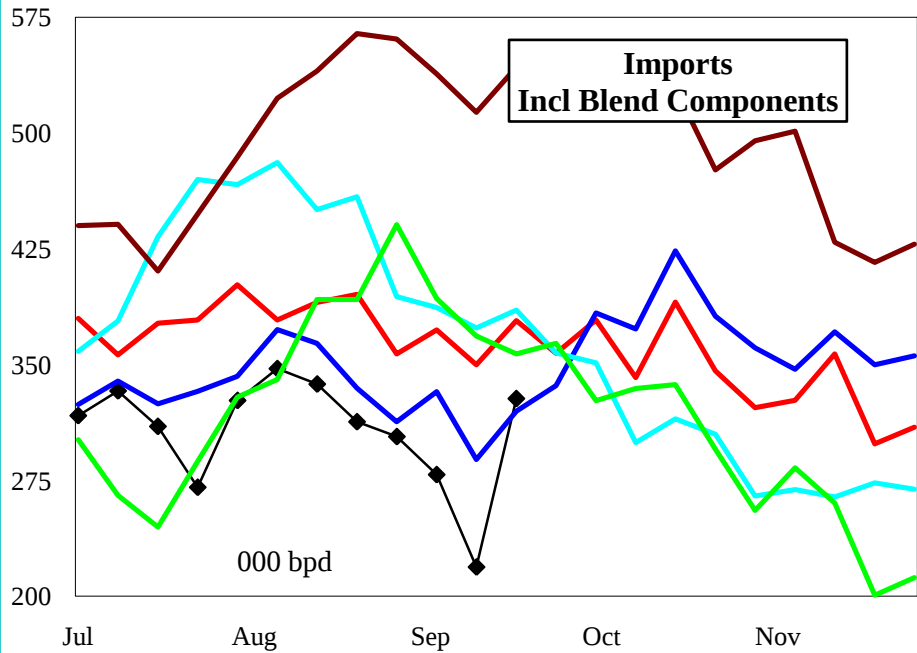
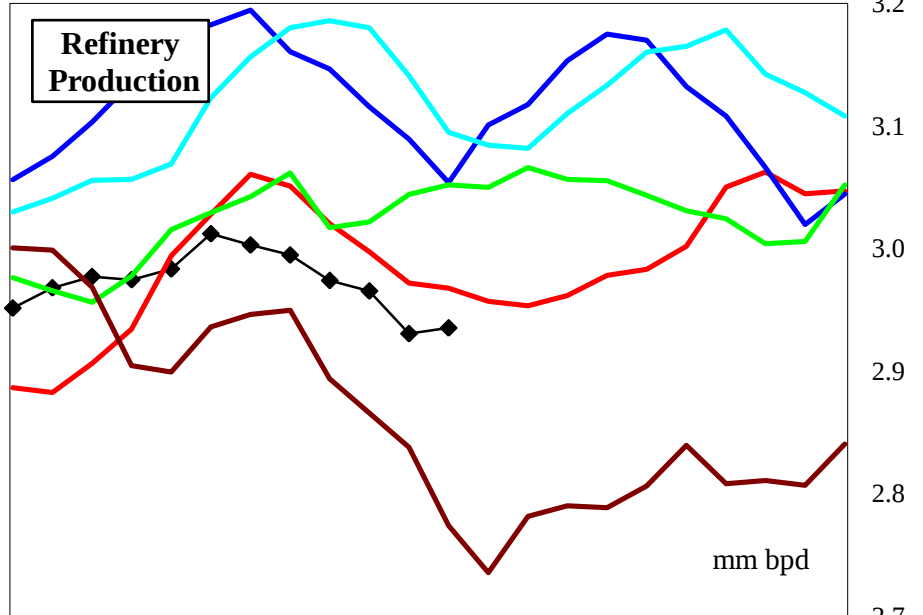
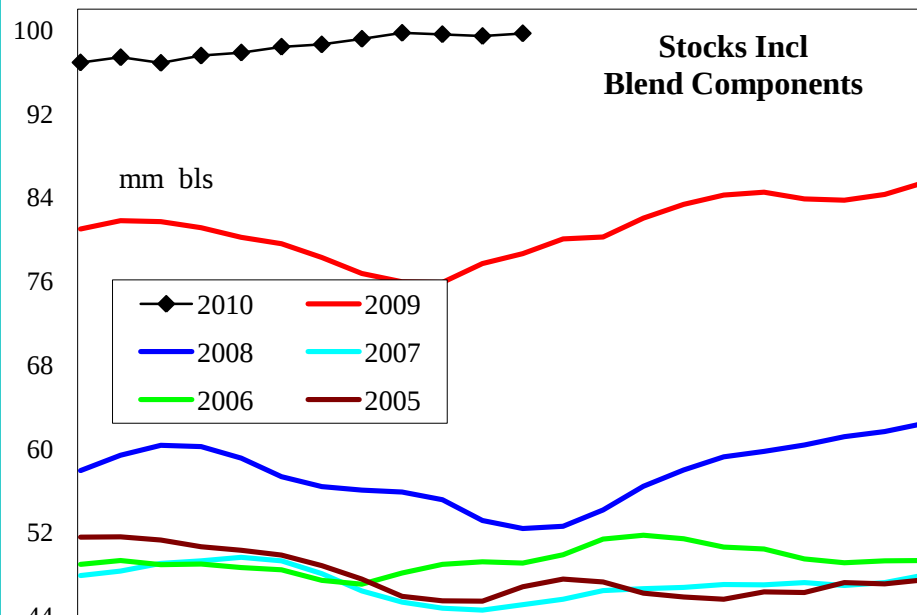
United States Crude Oil Supply and Demand Balance



United States Gasoline Supply and Demand Balance



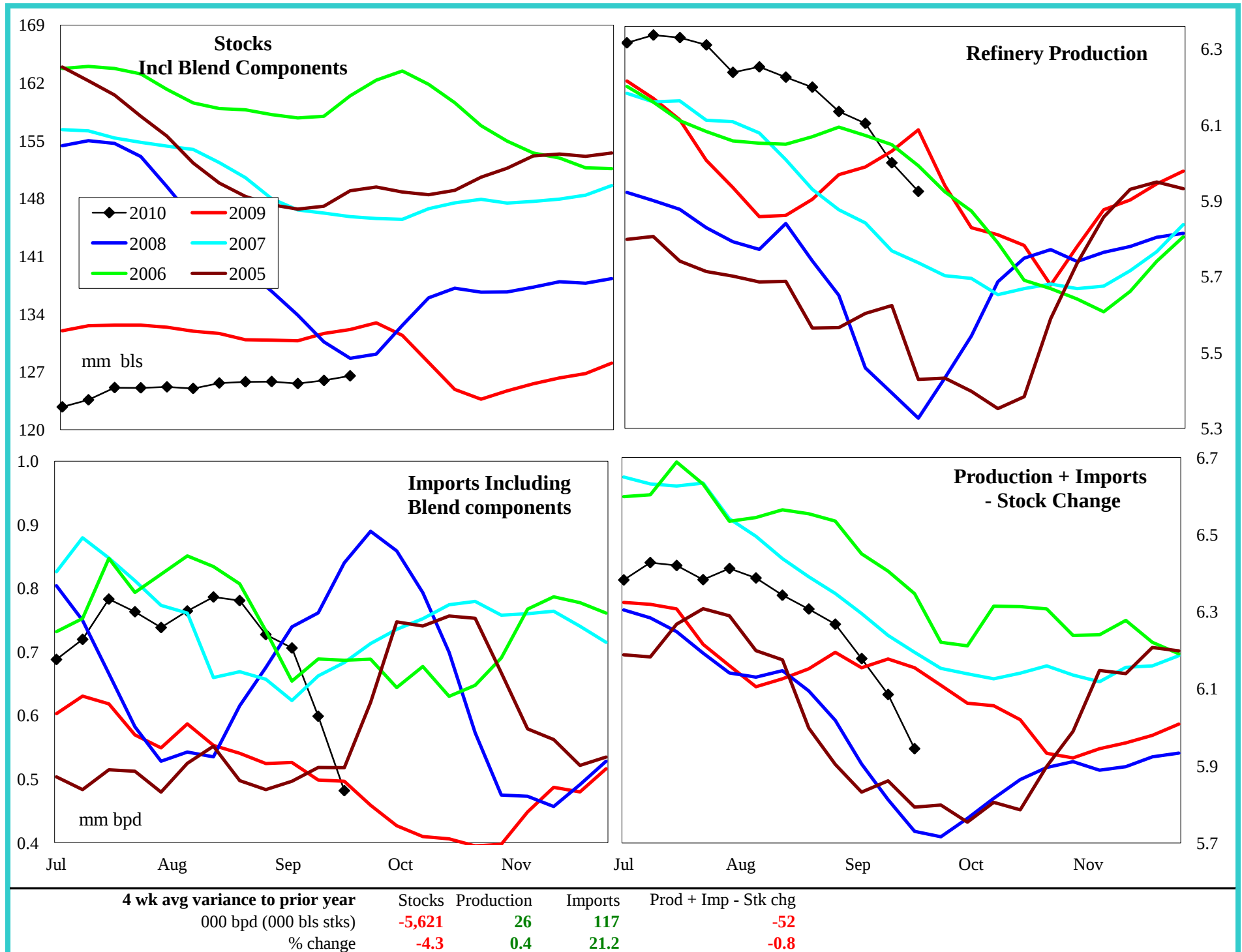
United States Reformulated Gasoline Supply



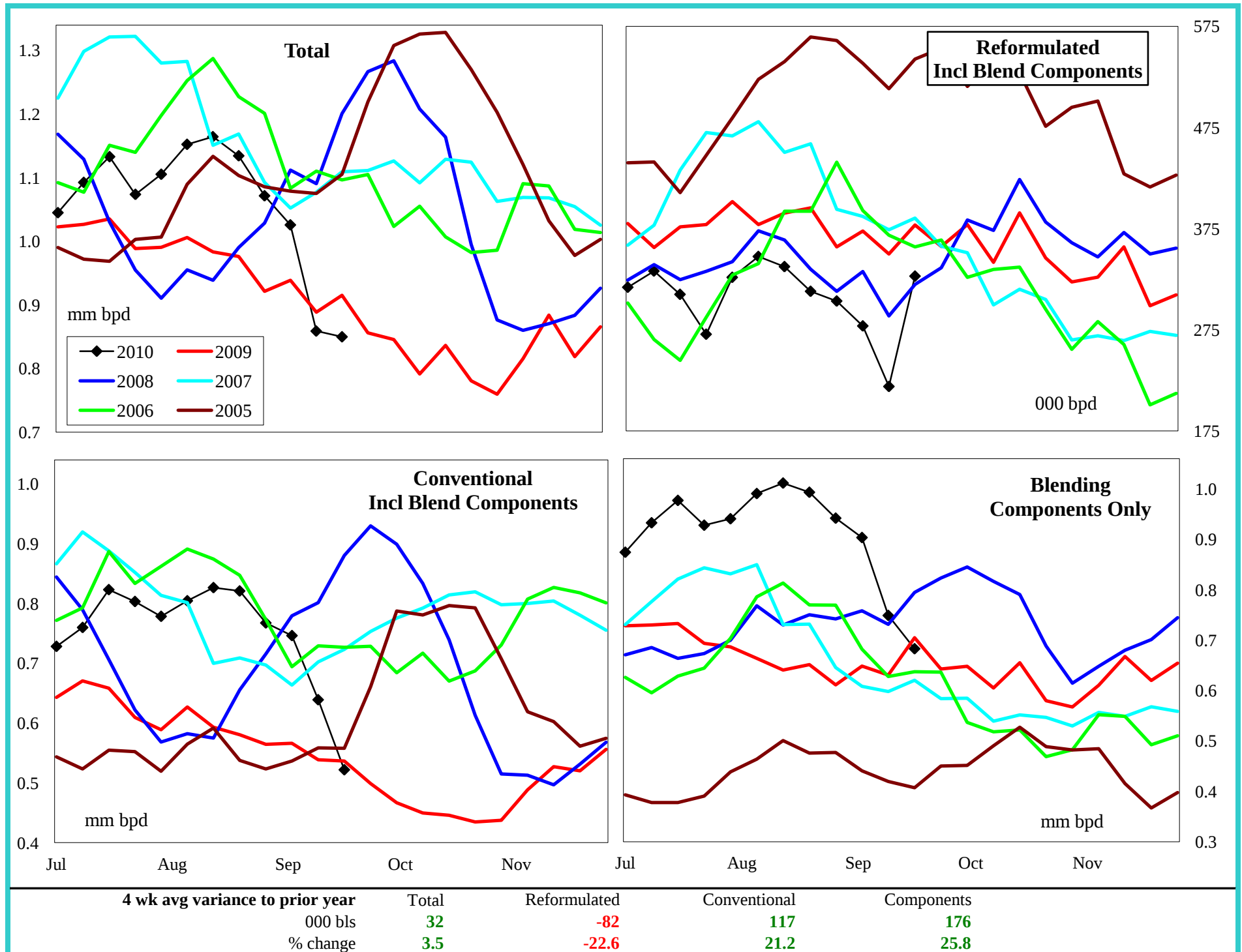
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Imports	Prod + Imp - Stk chg
21,066	-25	-82	0
26.8	-0.8	-22.6	0.0

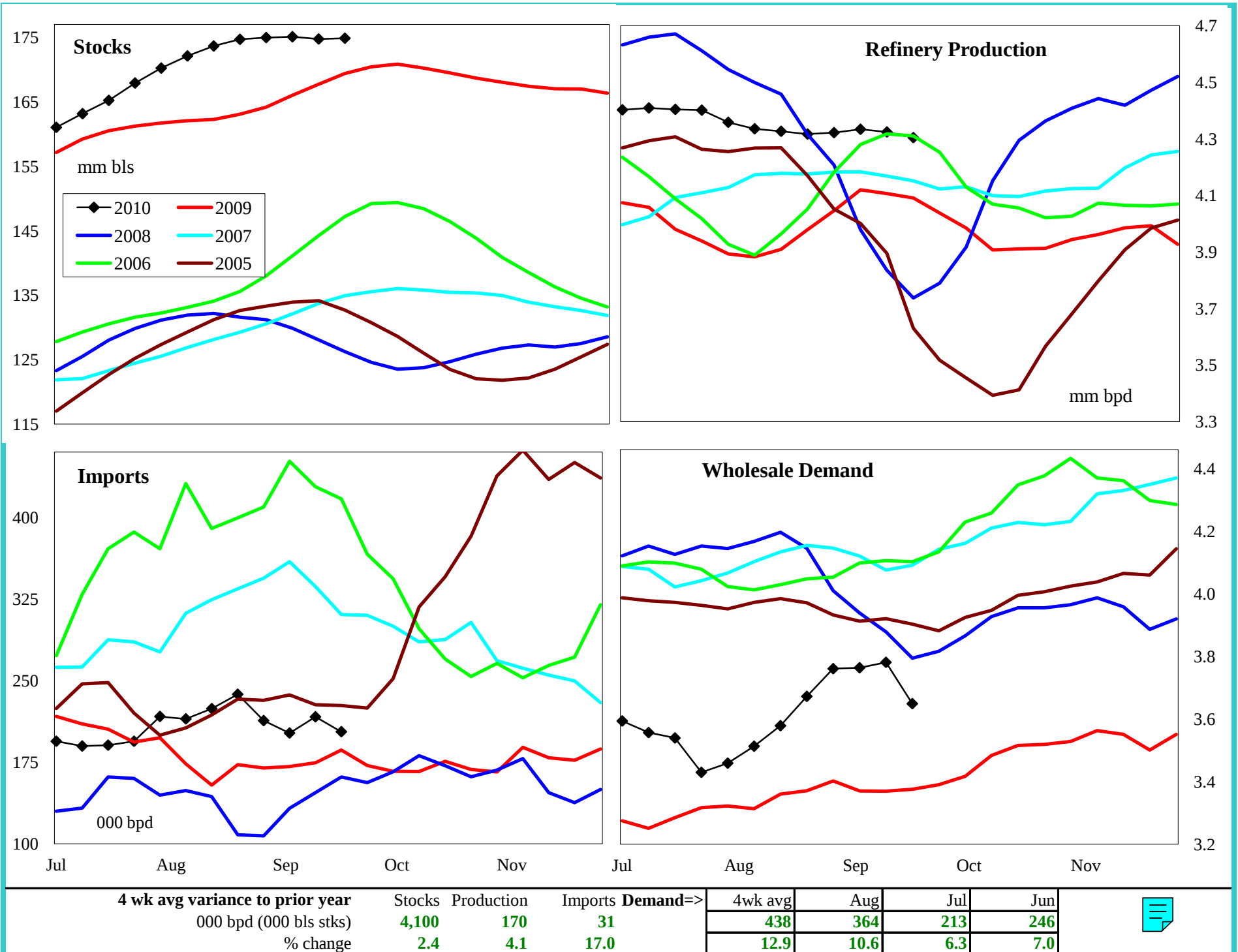
United States Conventional Gasoline Supply



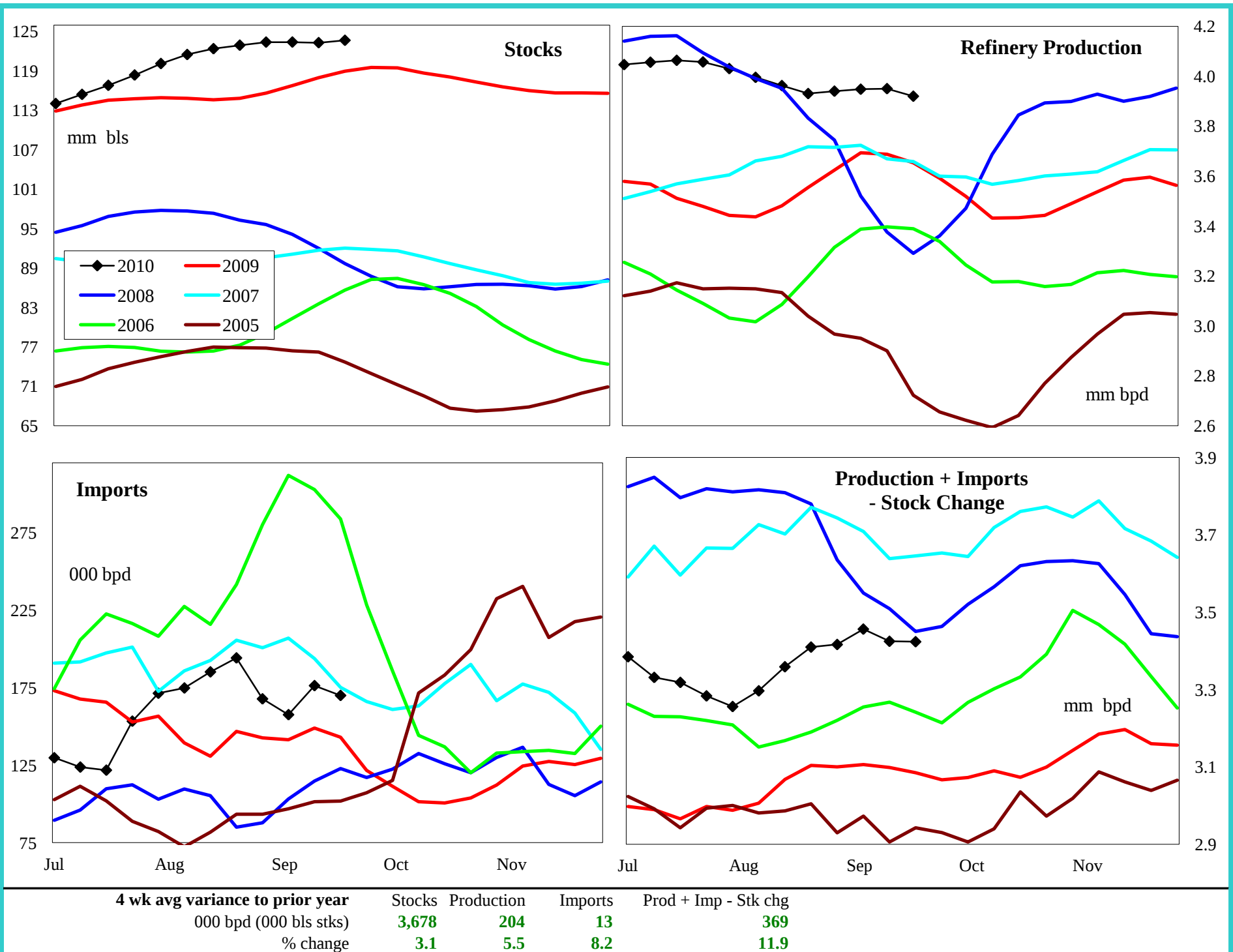
United States Gasoline Imports by Type



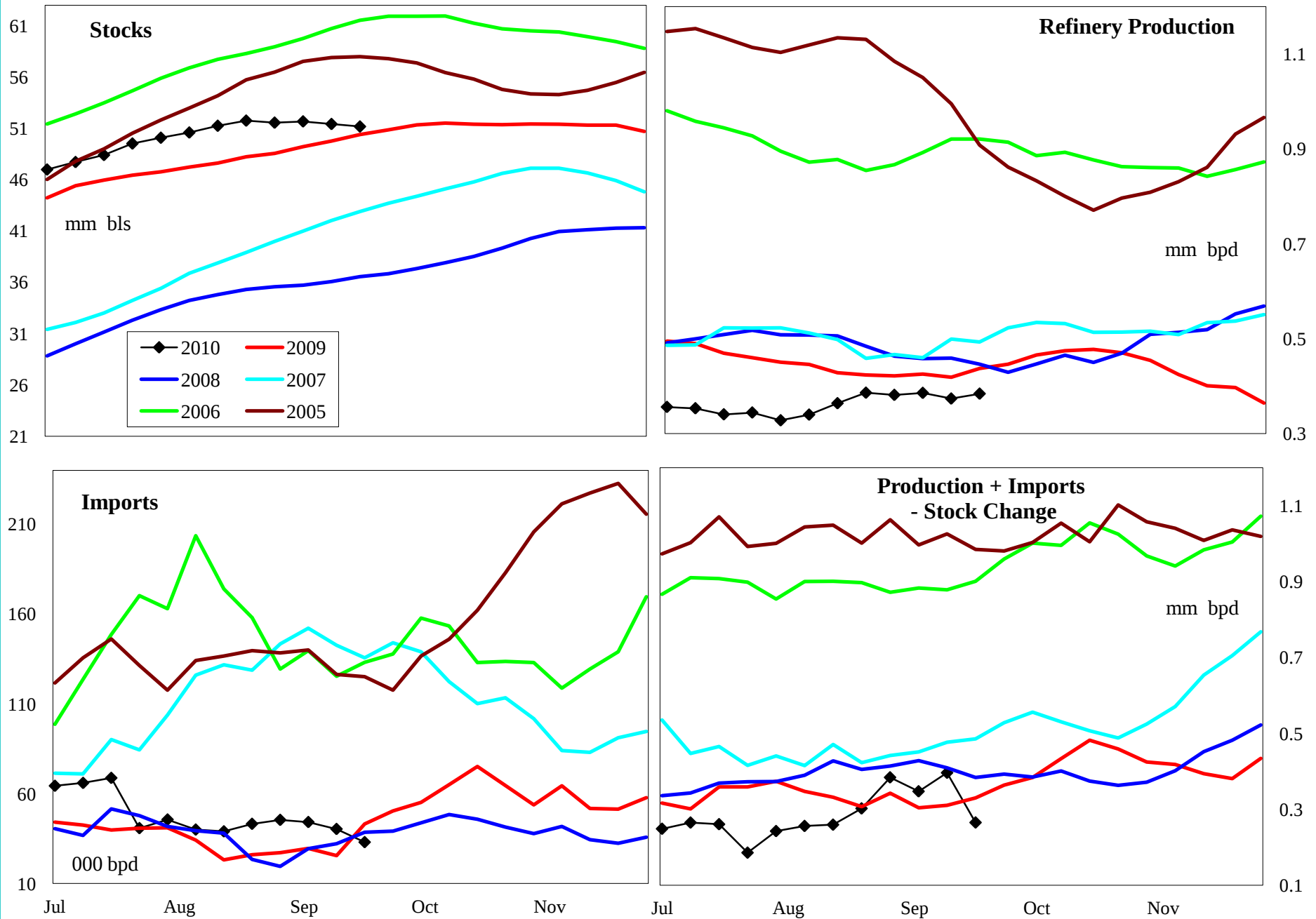
United States Distillate Supply and Demand Balance



United States Low Sulfur Distillate Supply



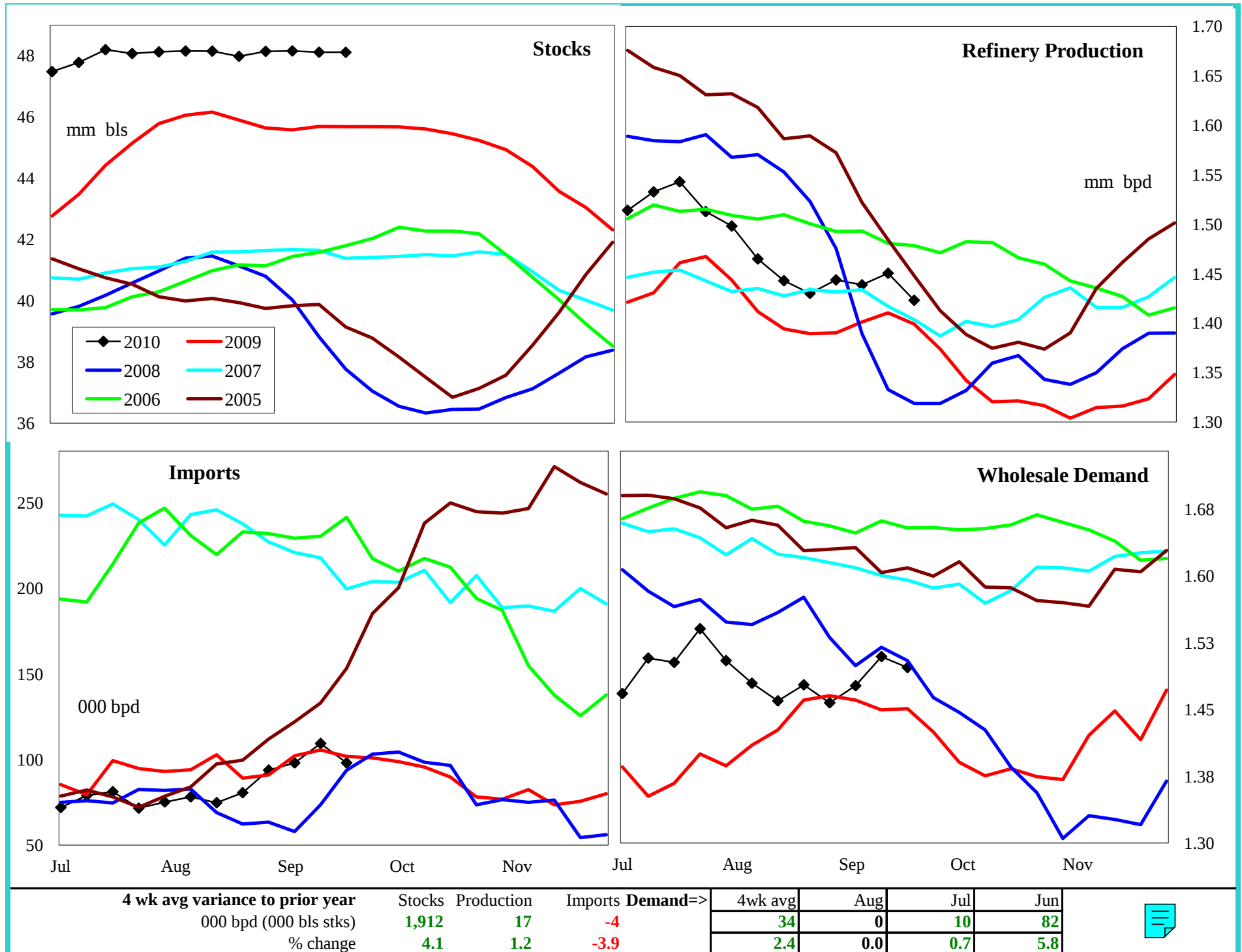
United States High Sulfur Distillate Supply



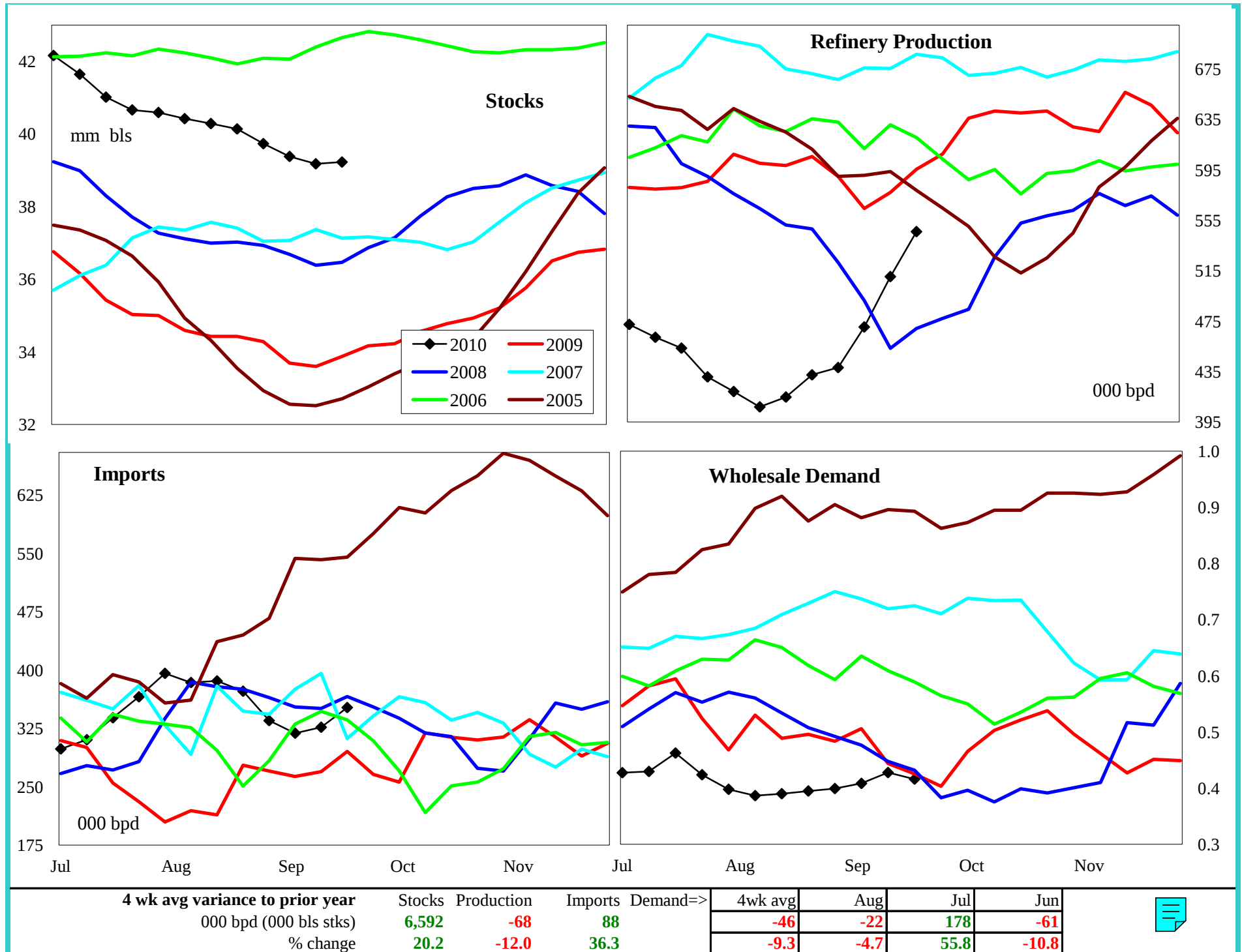
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

	Stocks	Production	Imports	Prod + Imp - Stk chg
000 bpd (000 bls stks)	422	-34	18	69
% change	0.8	-8.2	64.6	22.5

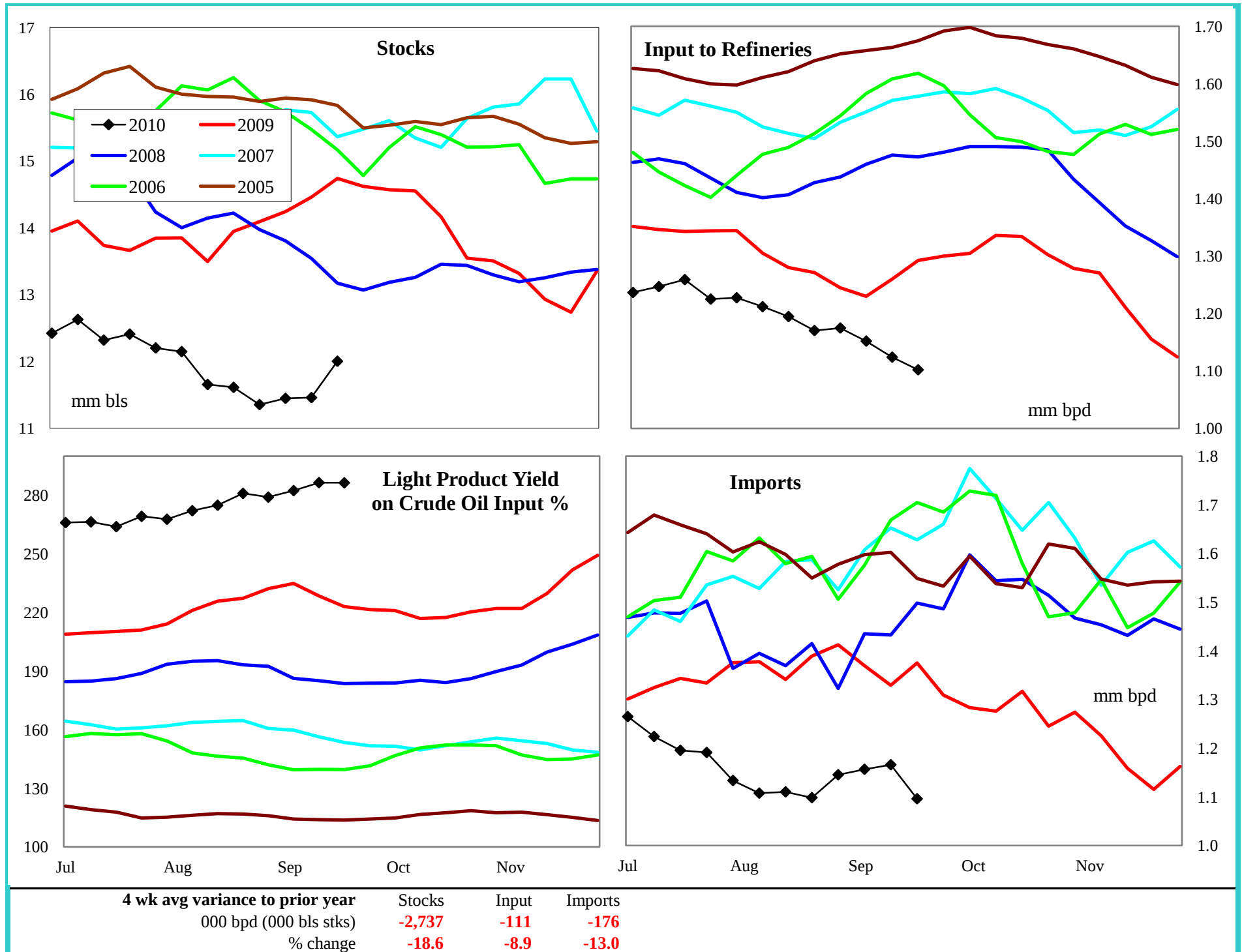
United States Jet Fuel Supply and Demand Balance



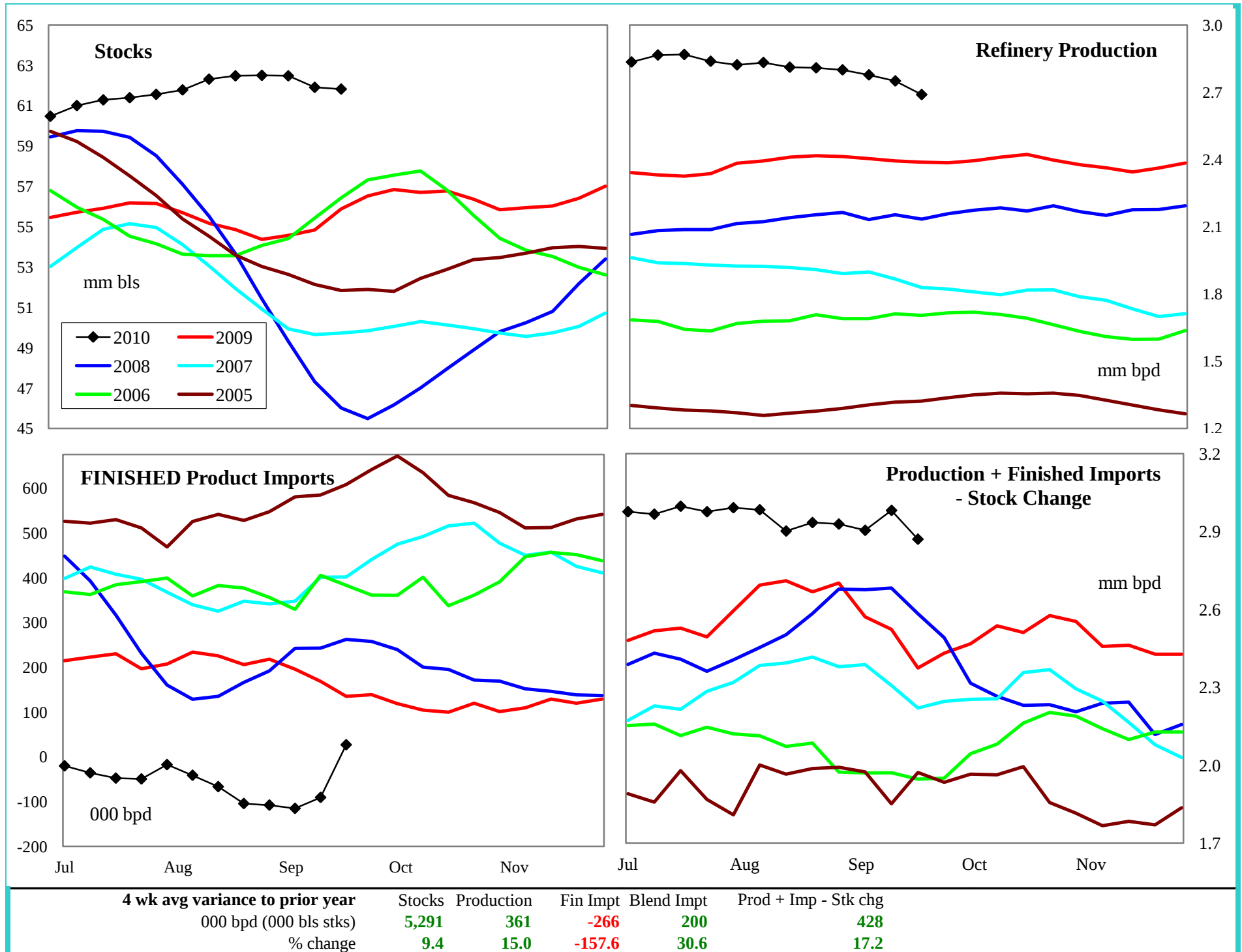
United States Residual Fuel Oil Supply and Demand Balance



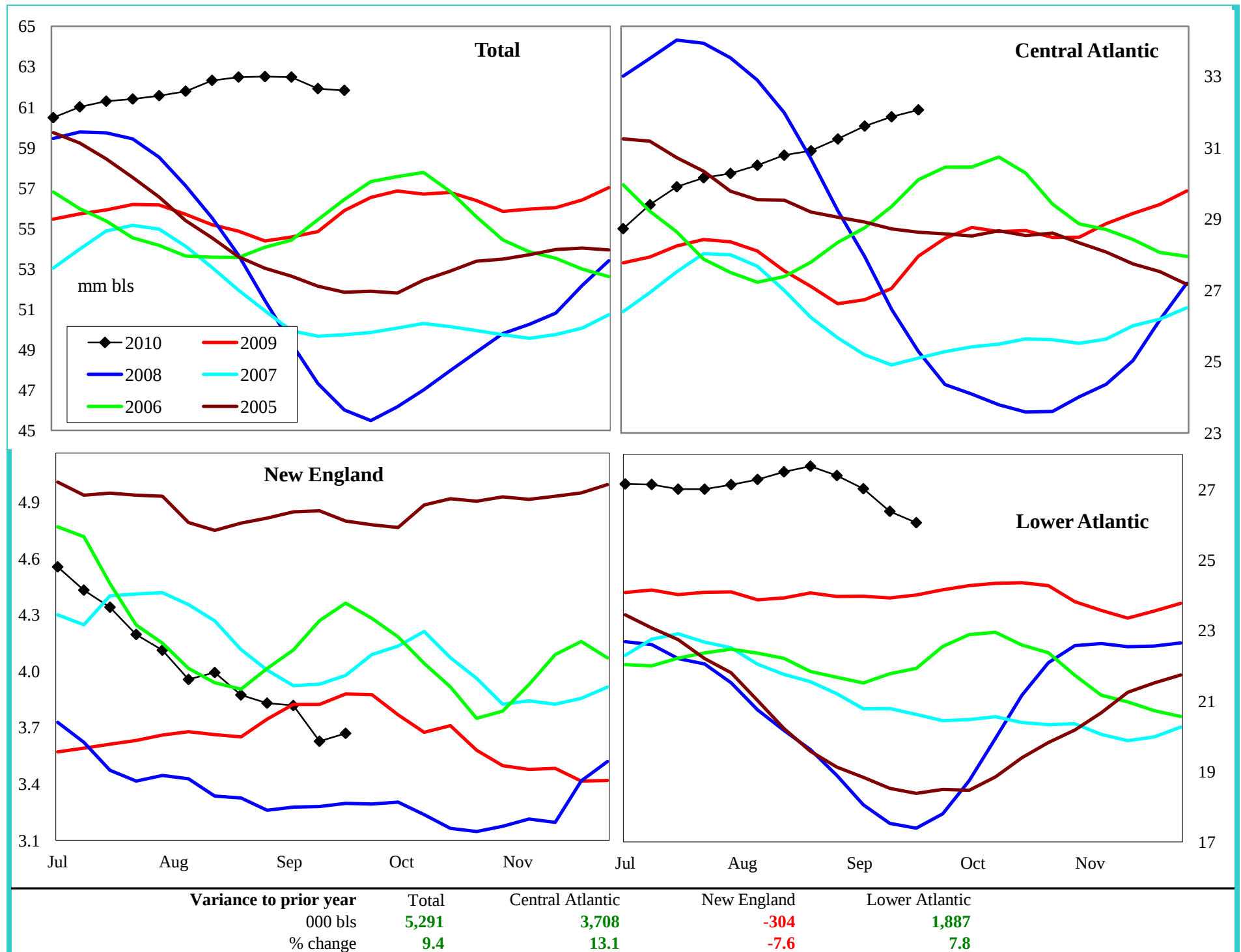
PADD 1 Crude Oil Supply and Refining



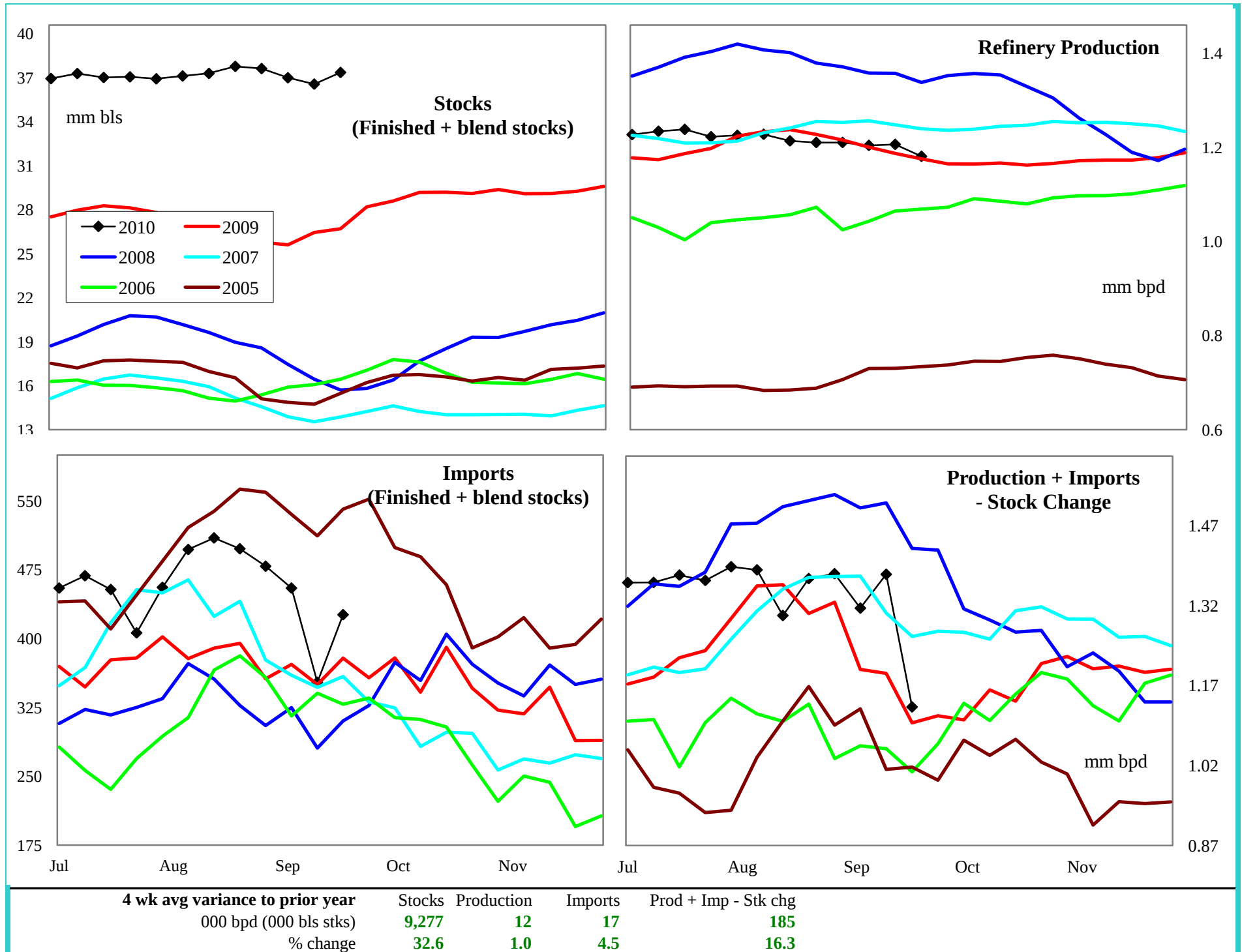
PADD 1 Gasoline Supply



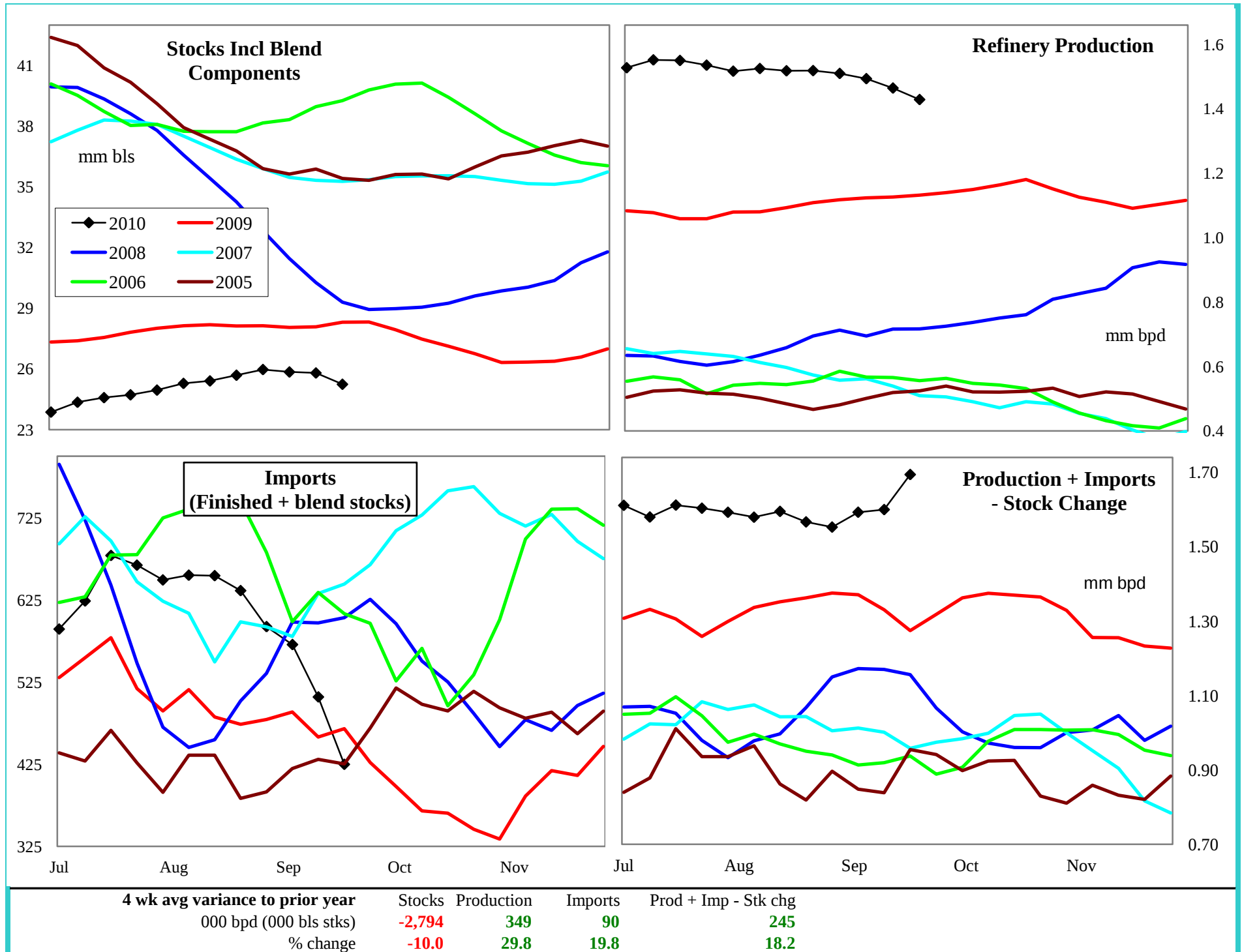
PADD 1 Gasoline Stocks by Region



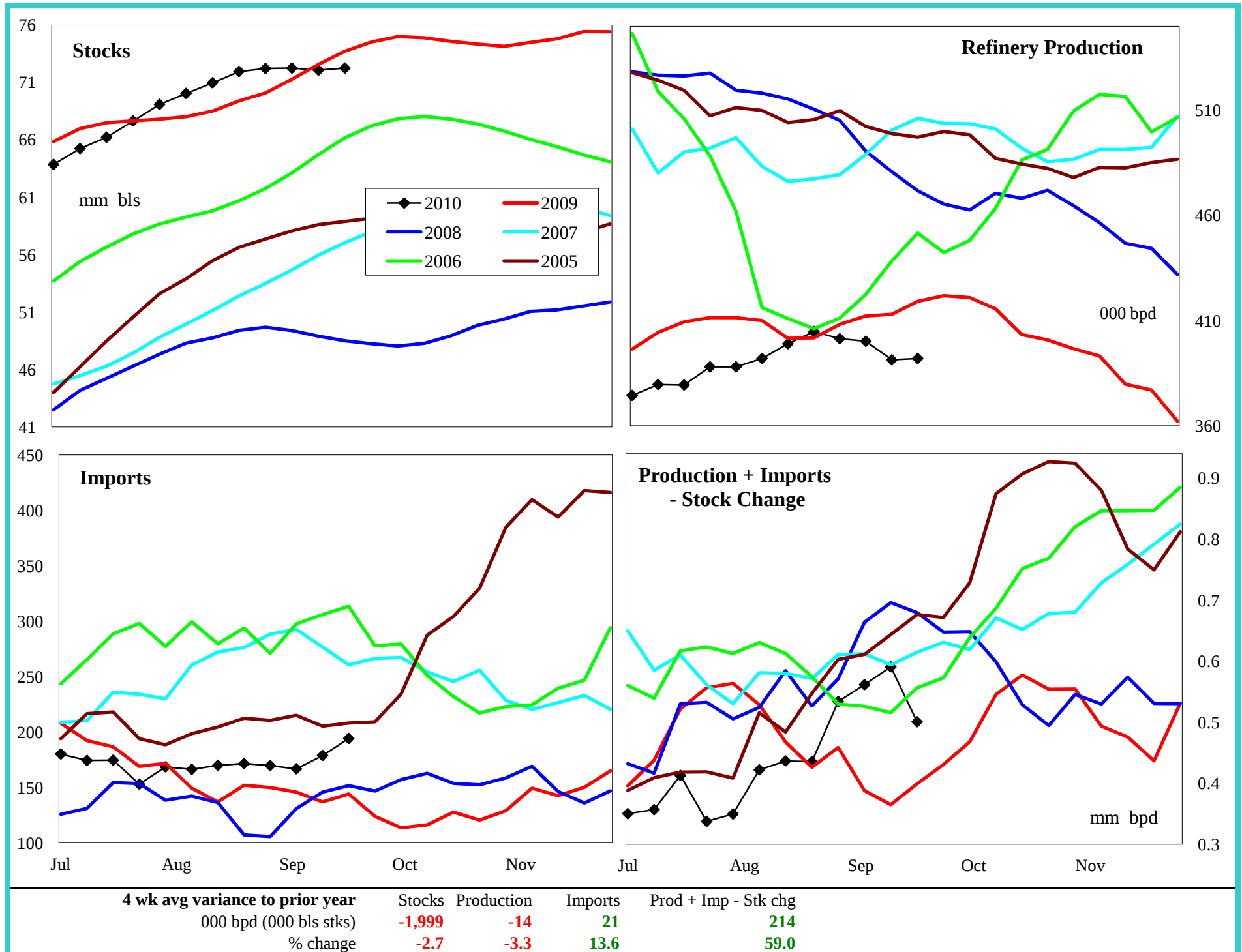
PADD 1 Reformulated Gasoline Supply



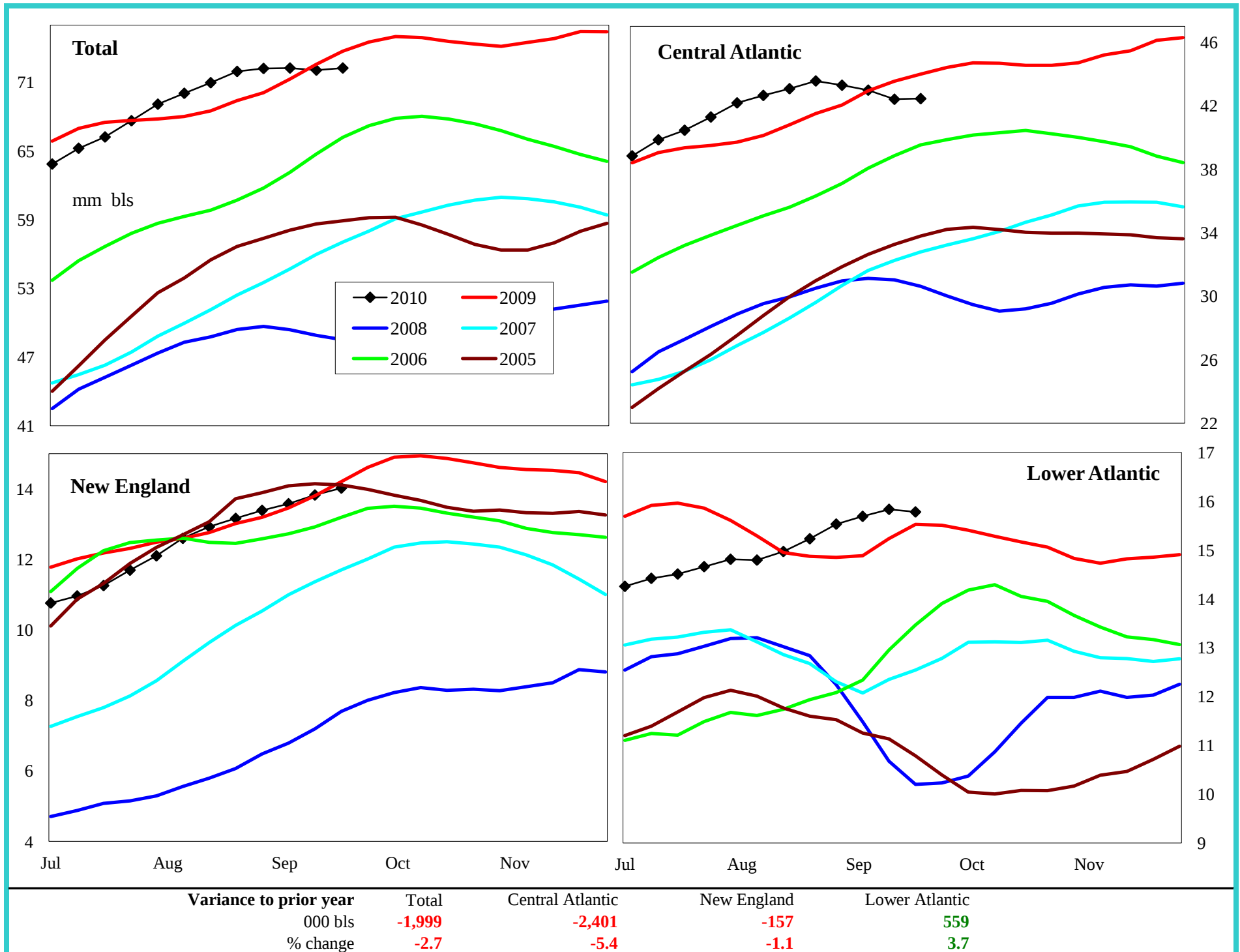
PADD 1 Conventional Gasoline Supply



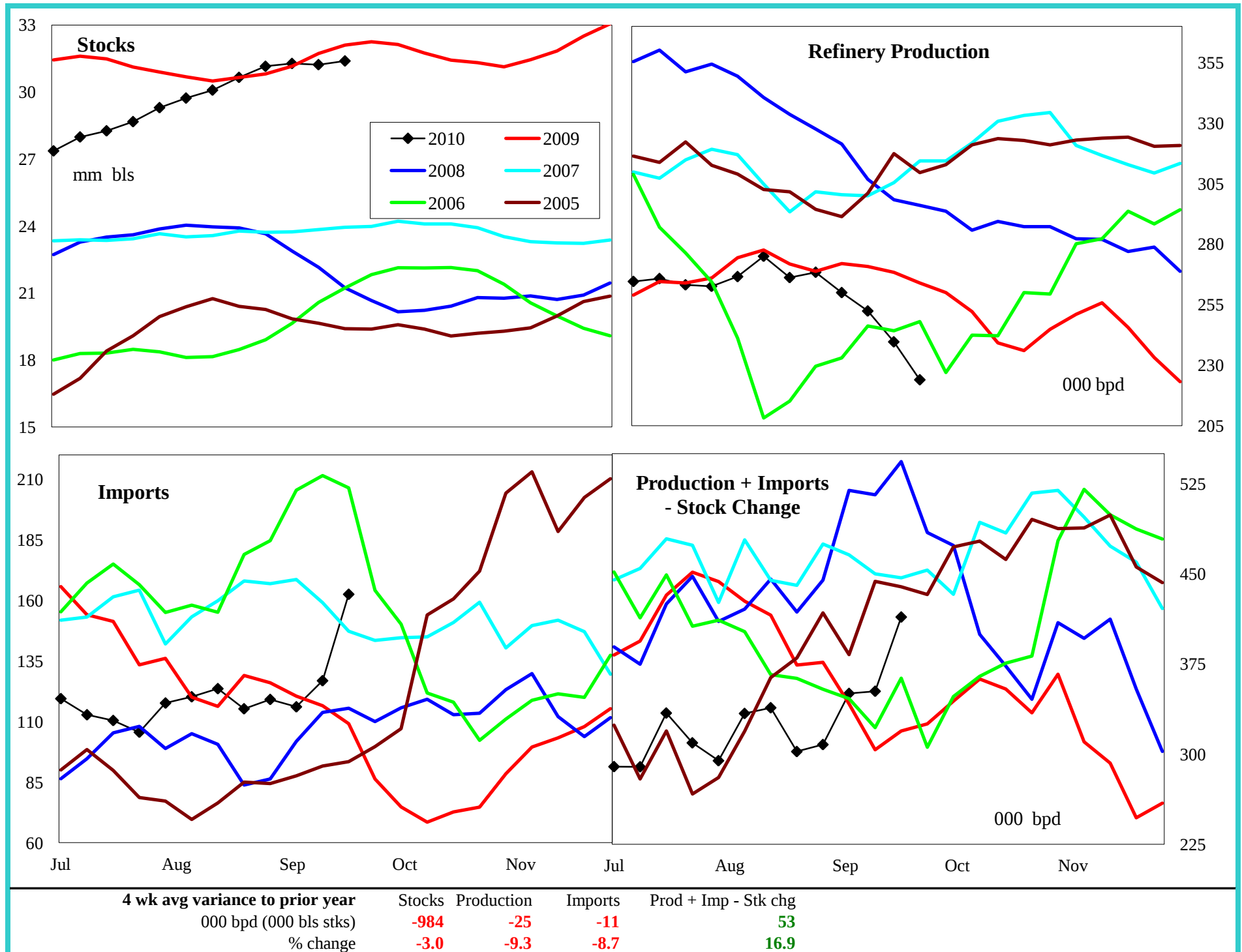
PADD 1 Distillate Supply



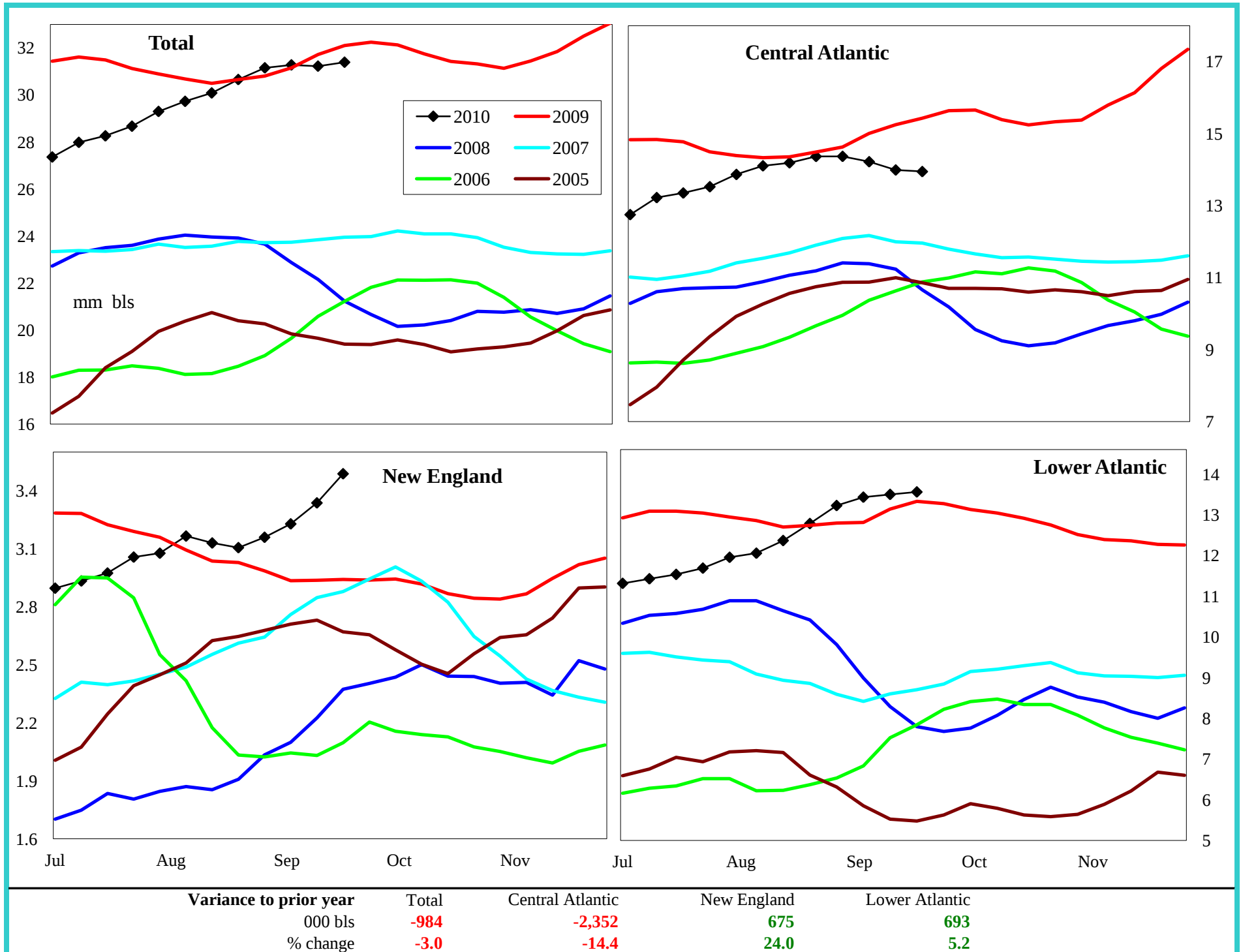
PADD 1 Distillate Stocks by Region



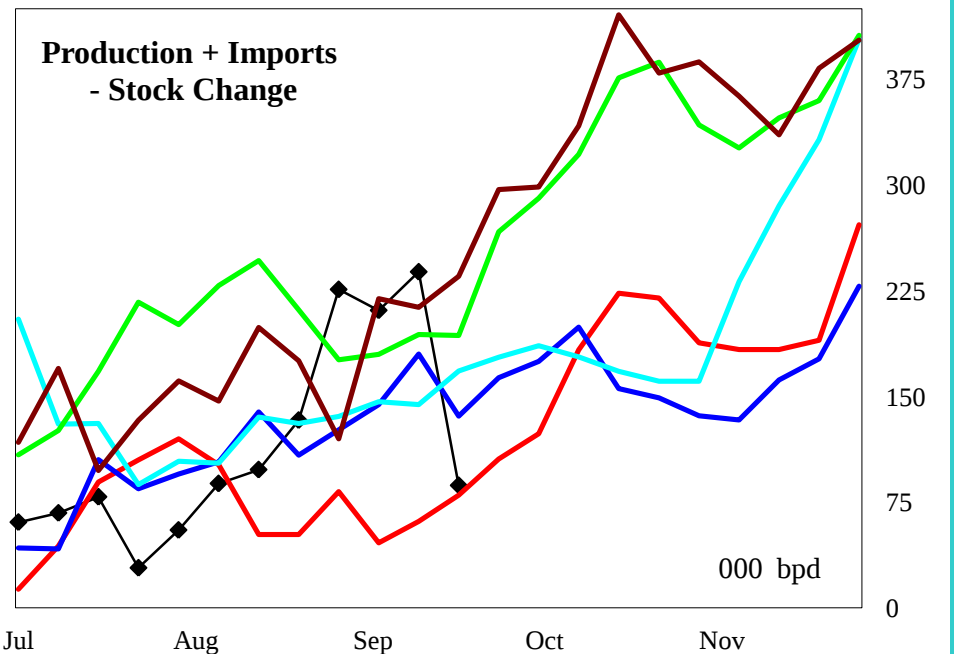
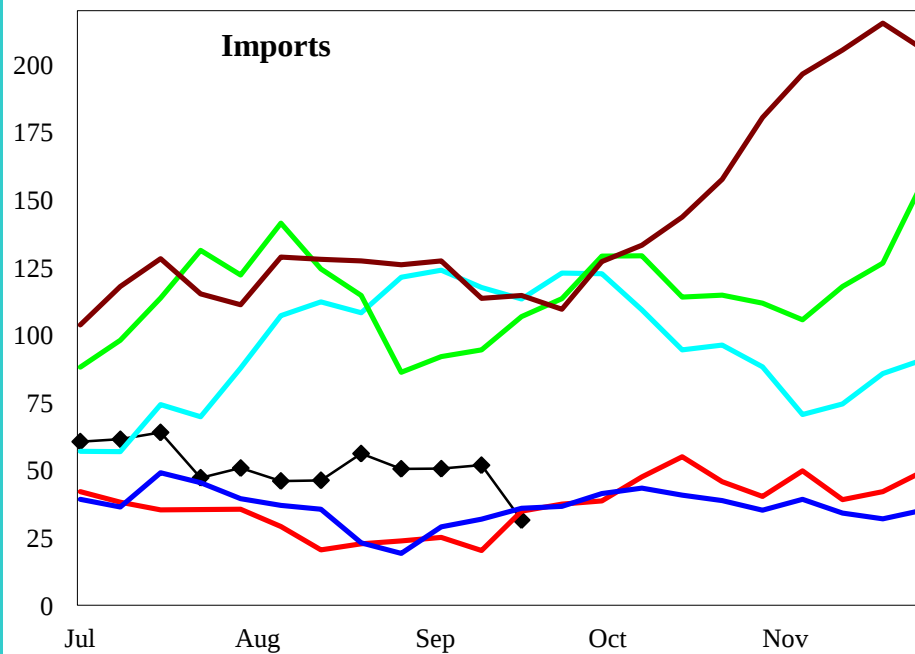
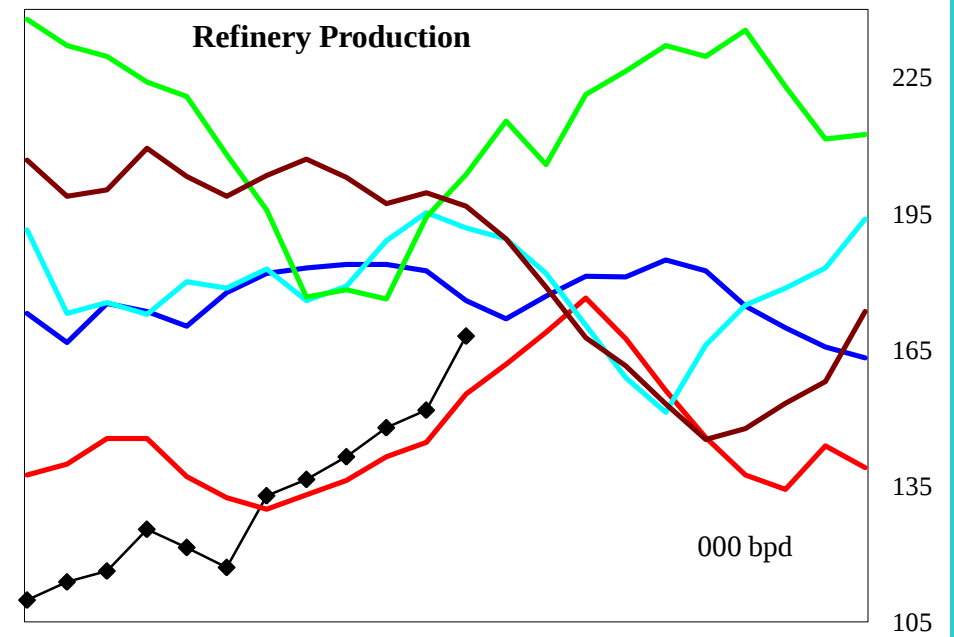
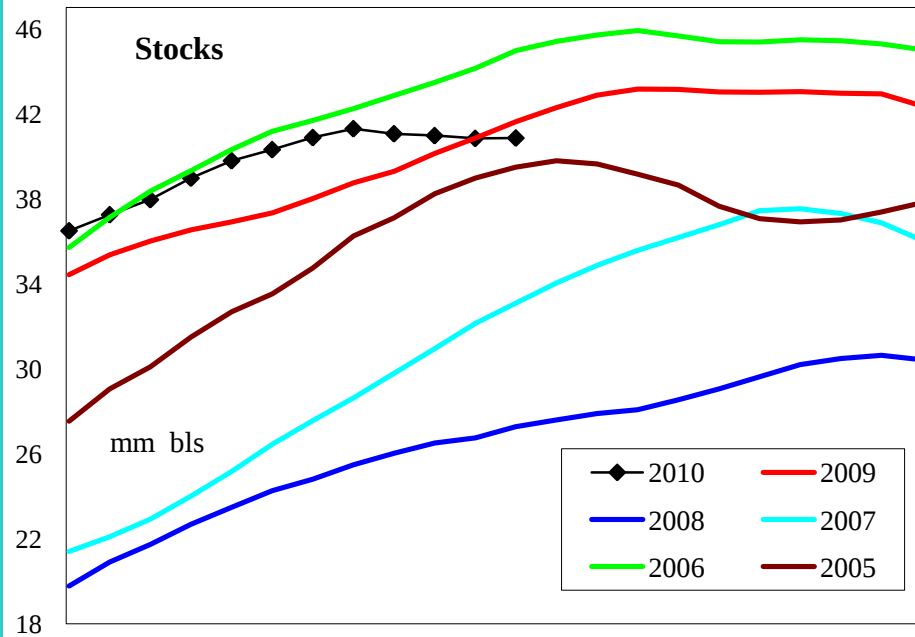
PADD 1 Low Sulfur Distillate Supply



PADD 1 Low Sulfur Distillate Stocks by Region



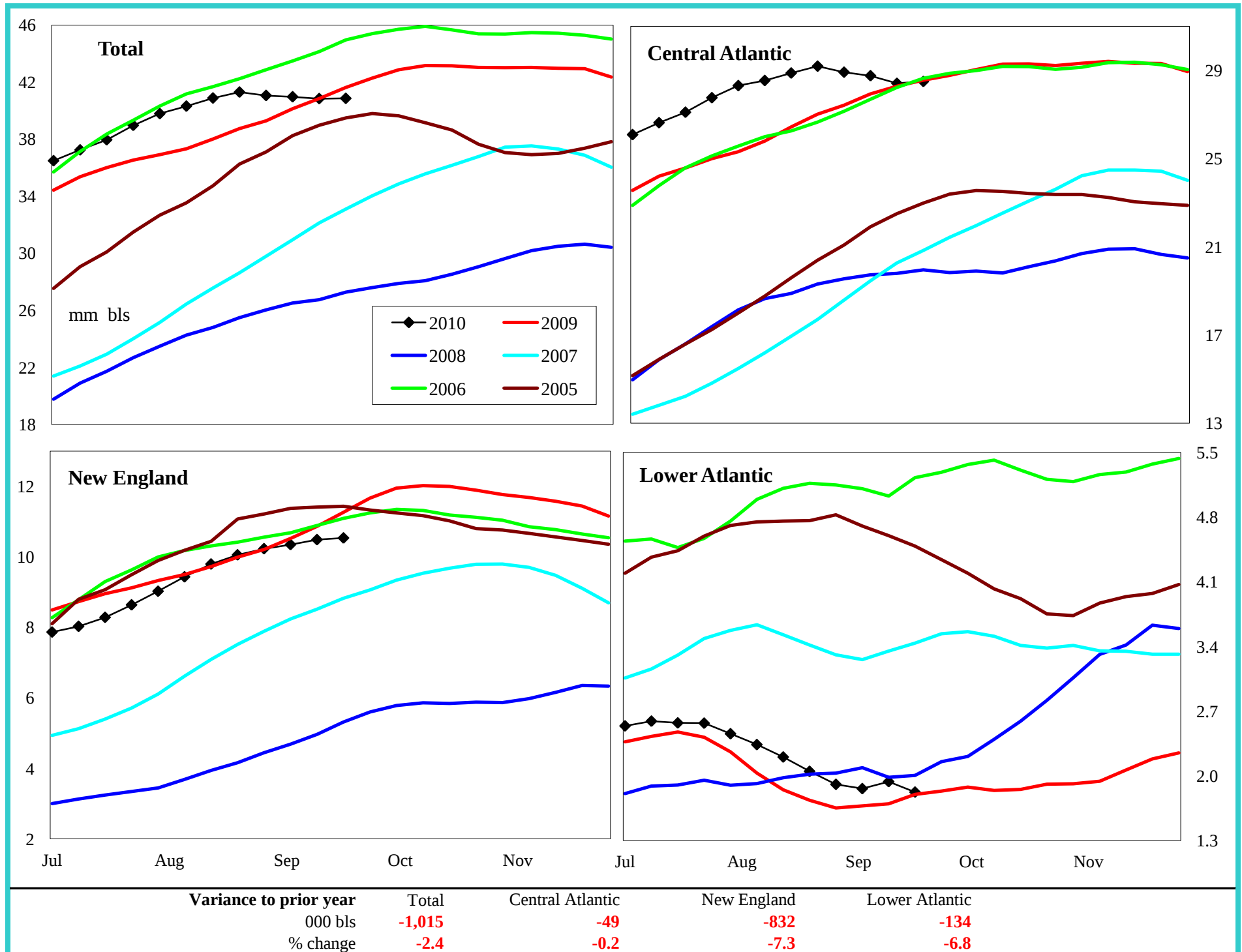
PADD 1 High Sulfur Distillate Supply



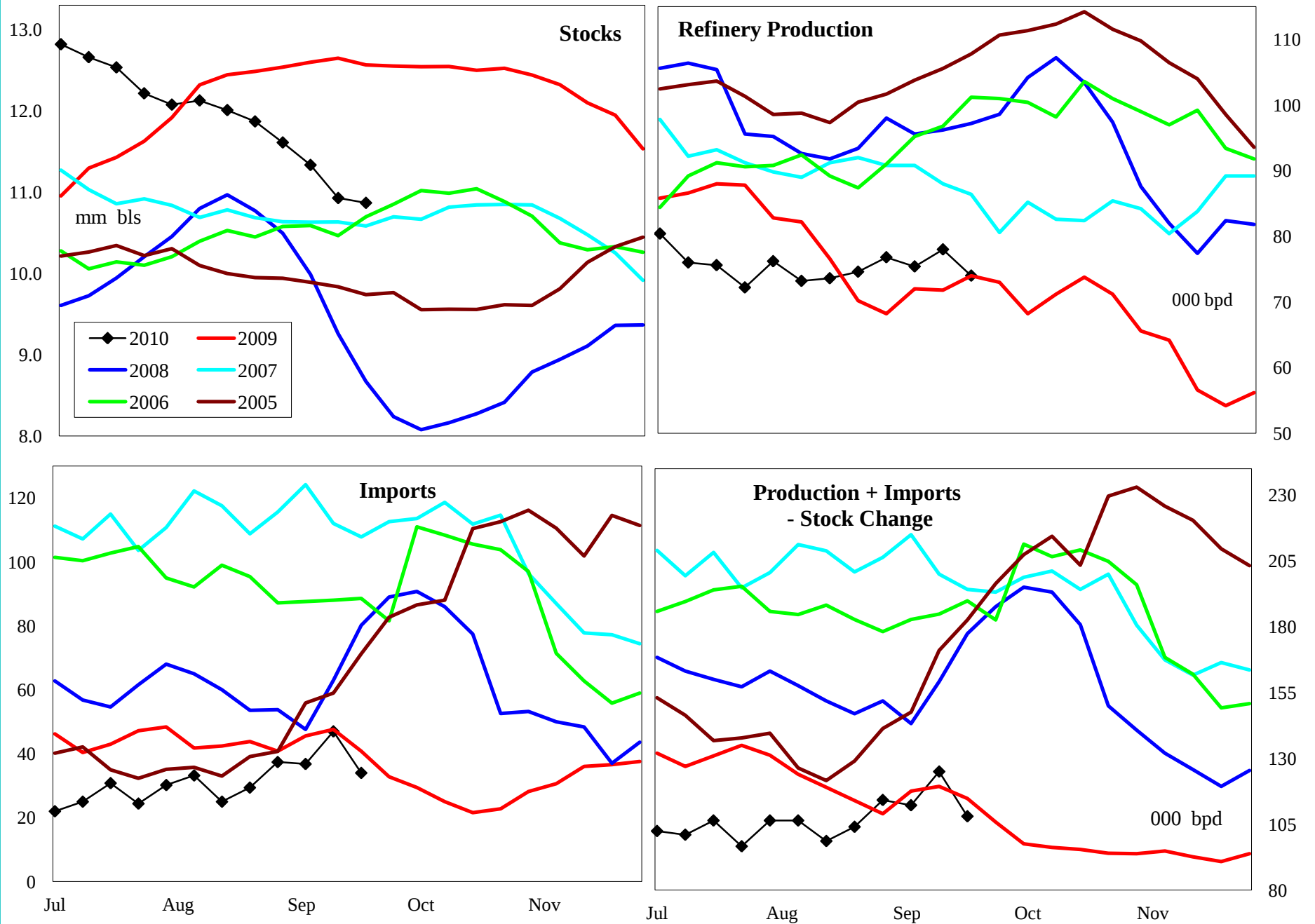
4 wk avg variance to prior year
 000 bpd (000 bbls stks)
 % change

	Stocks	Production	Imports	Prod + Imp - Stk chg
000 bpd (000 bbls stks)	-1,015	11	32	161
% change	-2.4	7.7	135.9	339.6

PADD 1 High Sulfur Distillate Stocks by Region



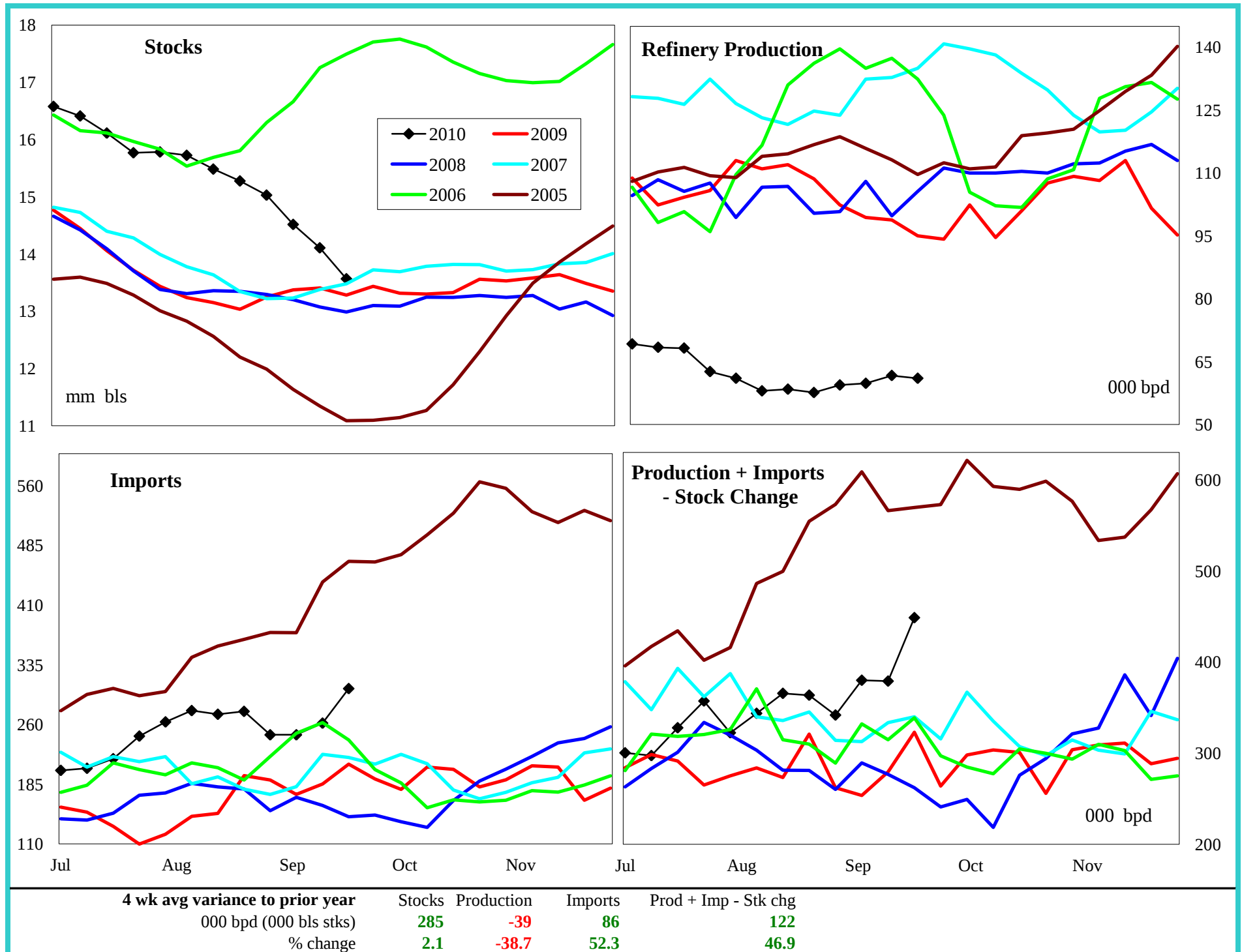
PADD 1 Jet Fuel Supply



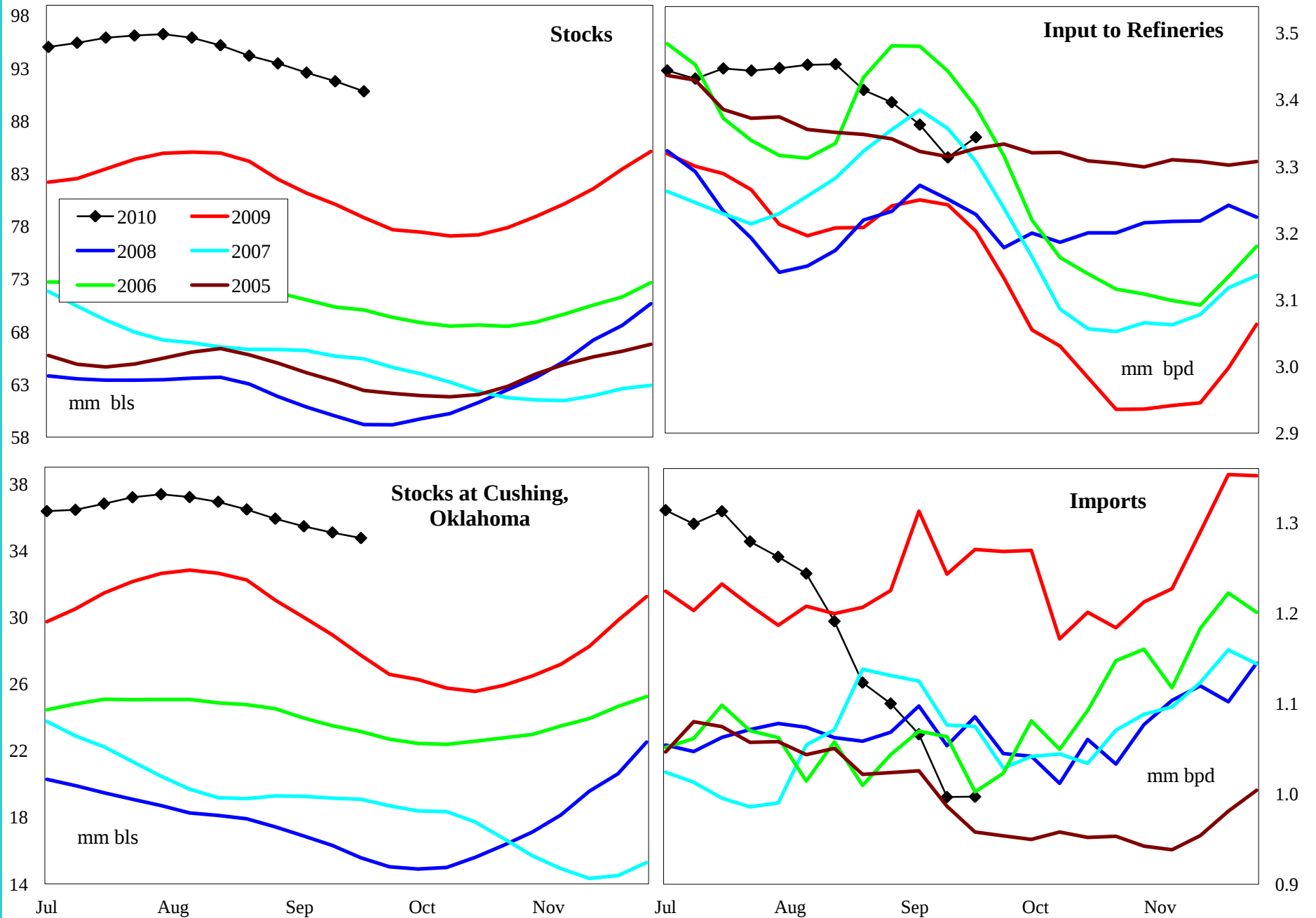
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

	Stocks	Production	Imports	Prod + Imp - Stk chg
000 bpd (000 bls stks)	-1,695	5	-9	-7
% change	-13.5	6.4	-18.2	-5.4

PADD 1 Residual Fuel Oil Supply



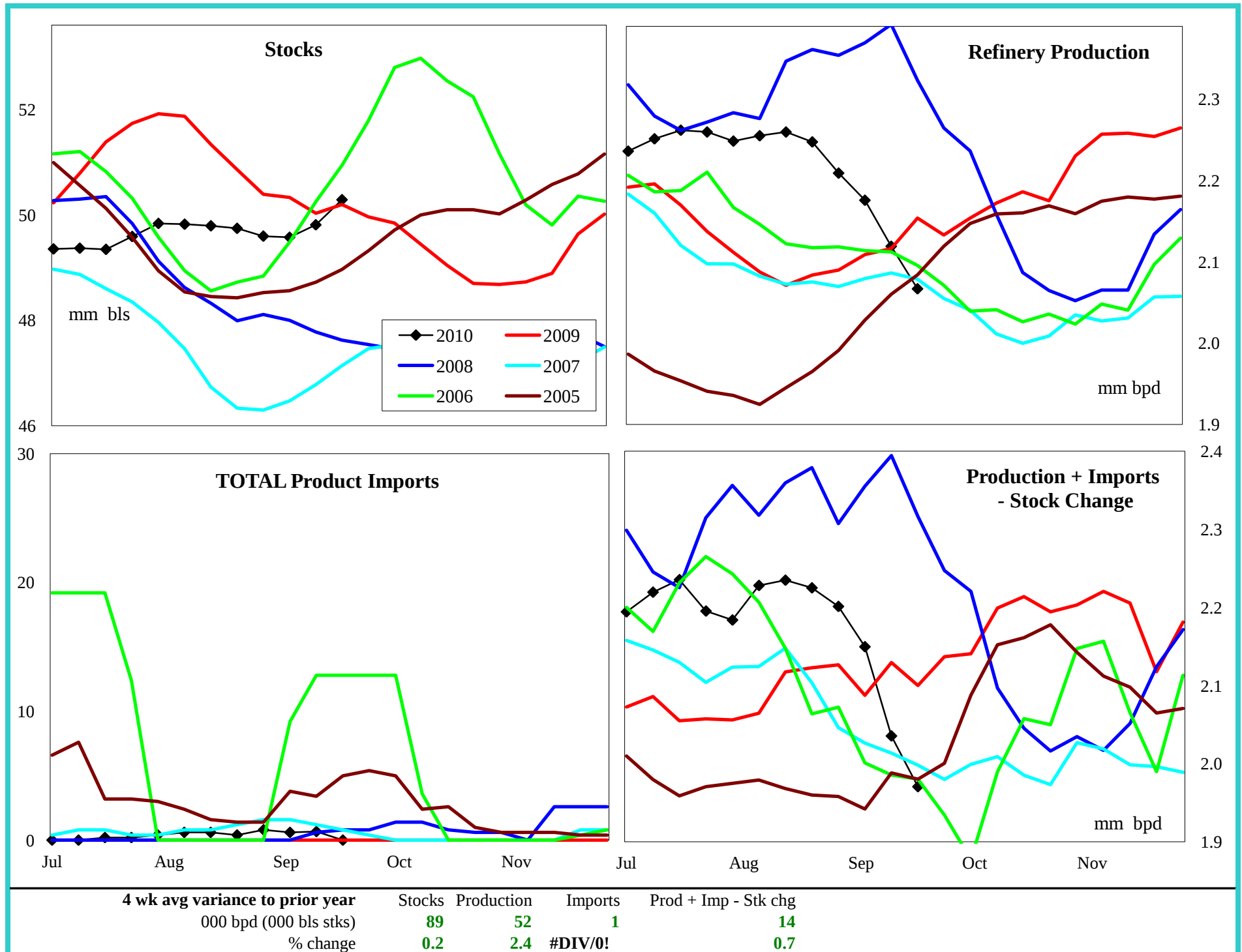
PADD 2 Crude Oil Supply and Refining



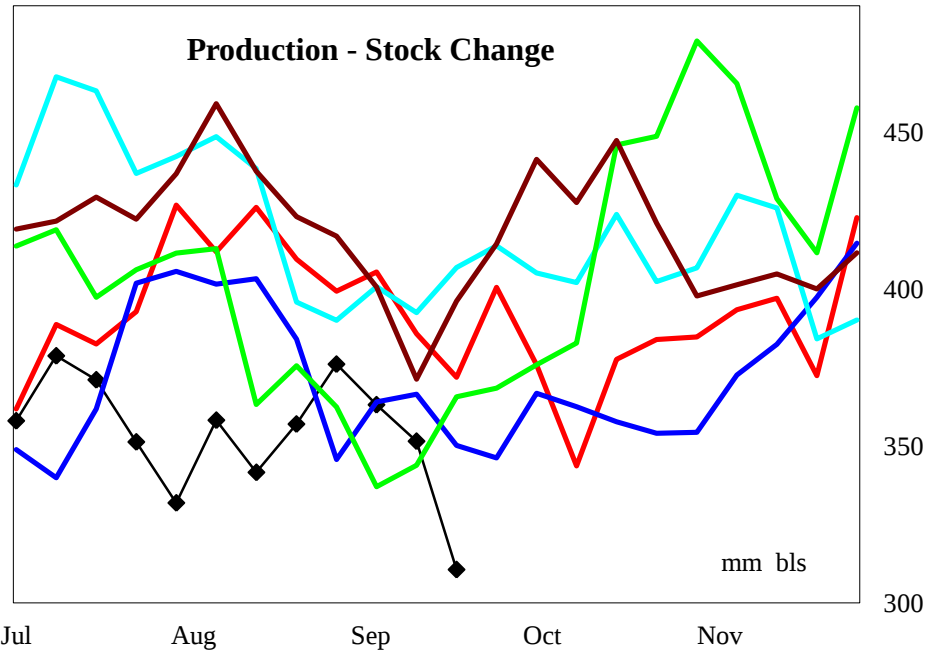
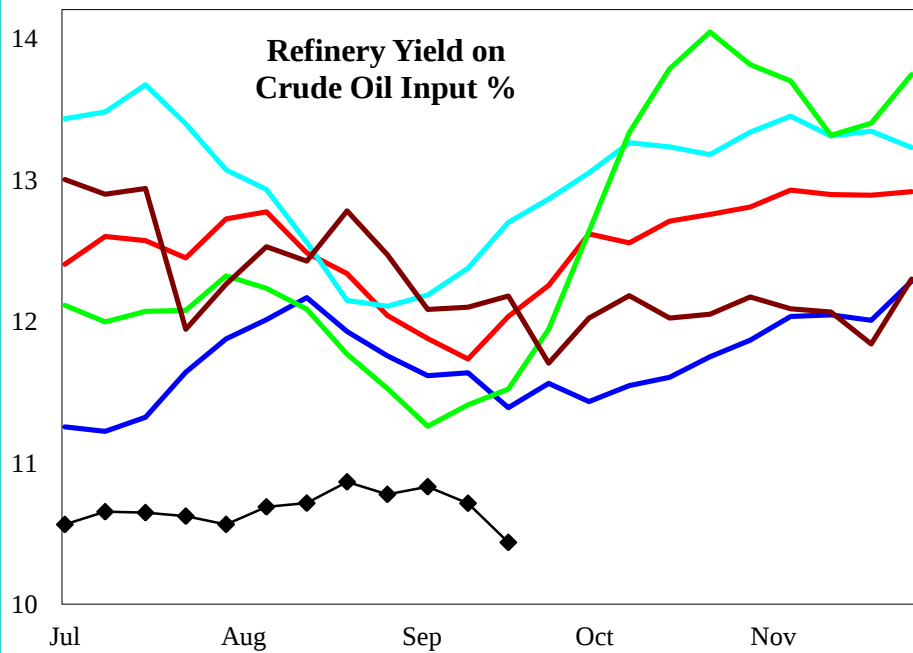
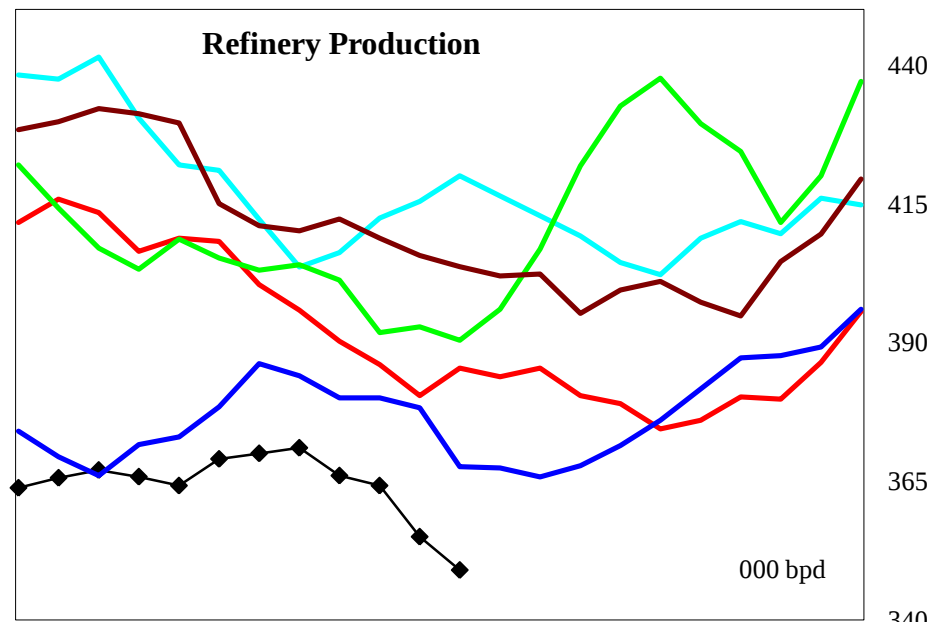
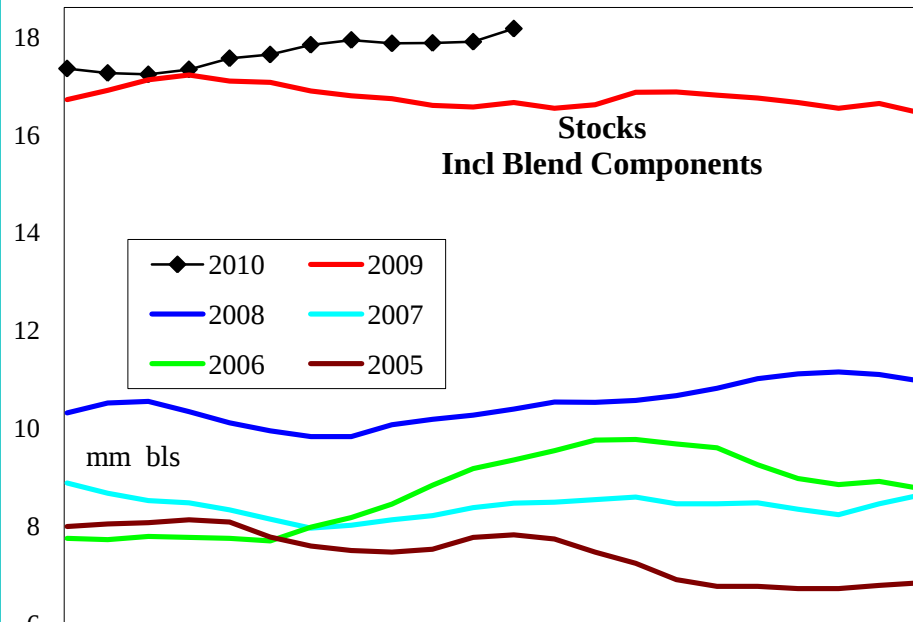
4 wk avg variance to prior year
 000 bpd (000 bbls stks)
 % change

	Stocks	Cushing	Input	Imports
000 bpd (000 bbls stks)	11,980	7,027	75	-284
% change	15.2	25.4	2.3	-21.2

PADD 2 Gasoline Supply



PADD 2 Reformulated Gasoline Supply

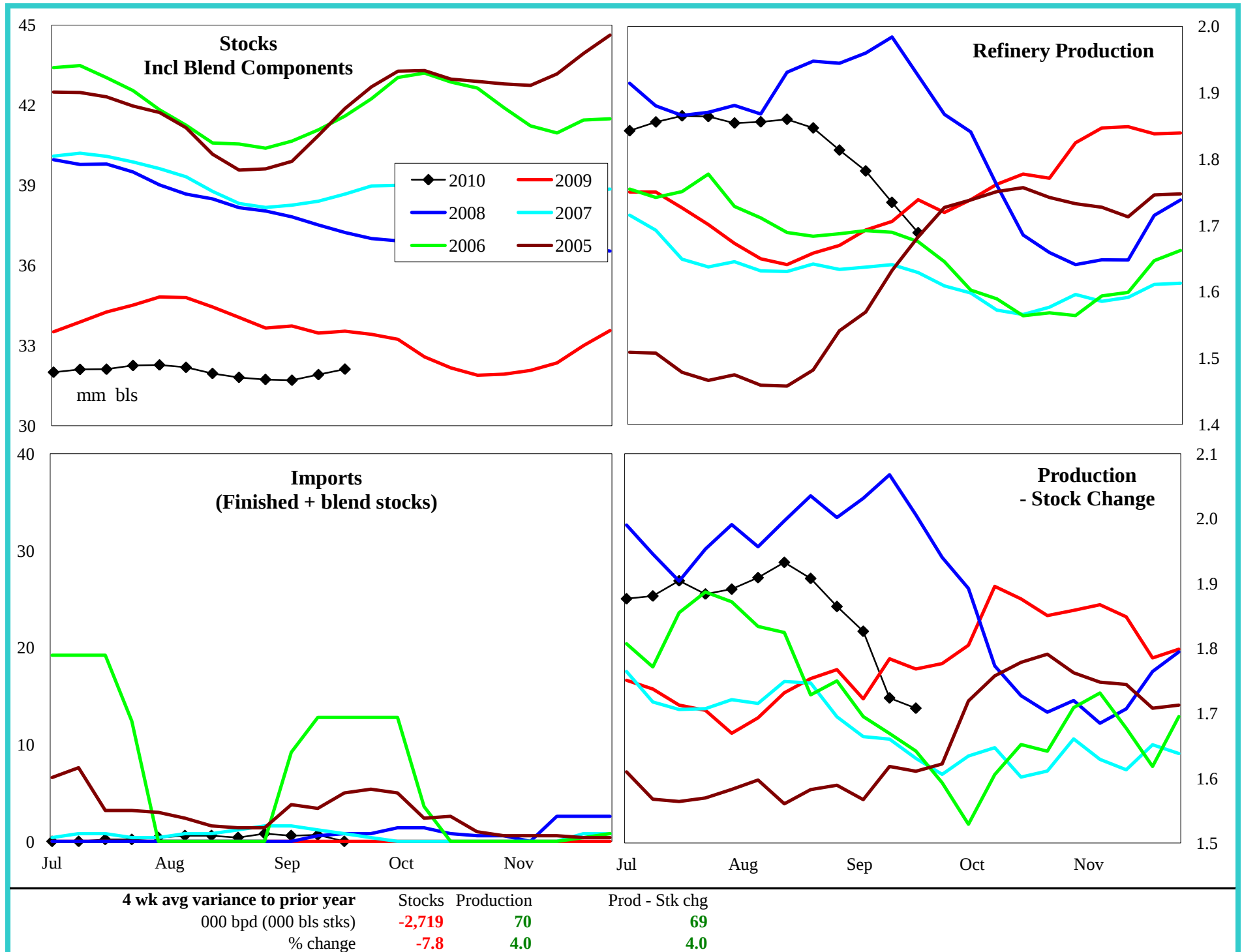


4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

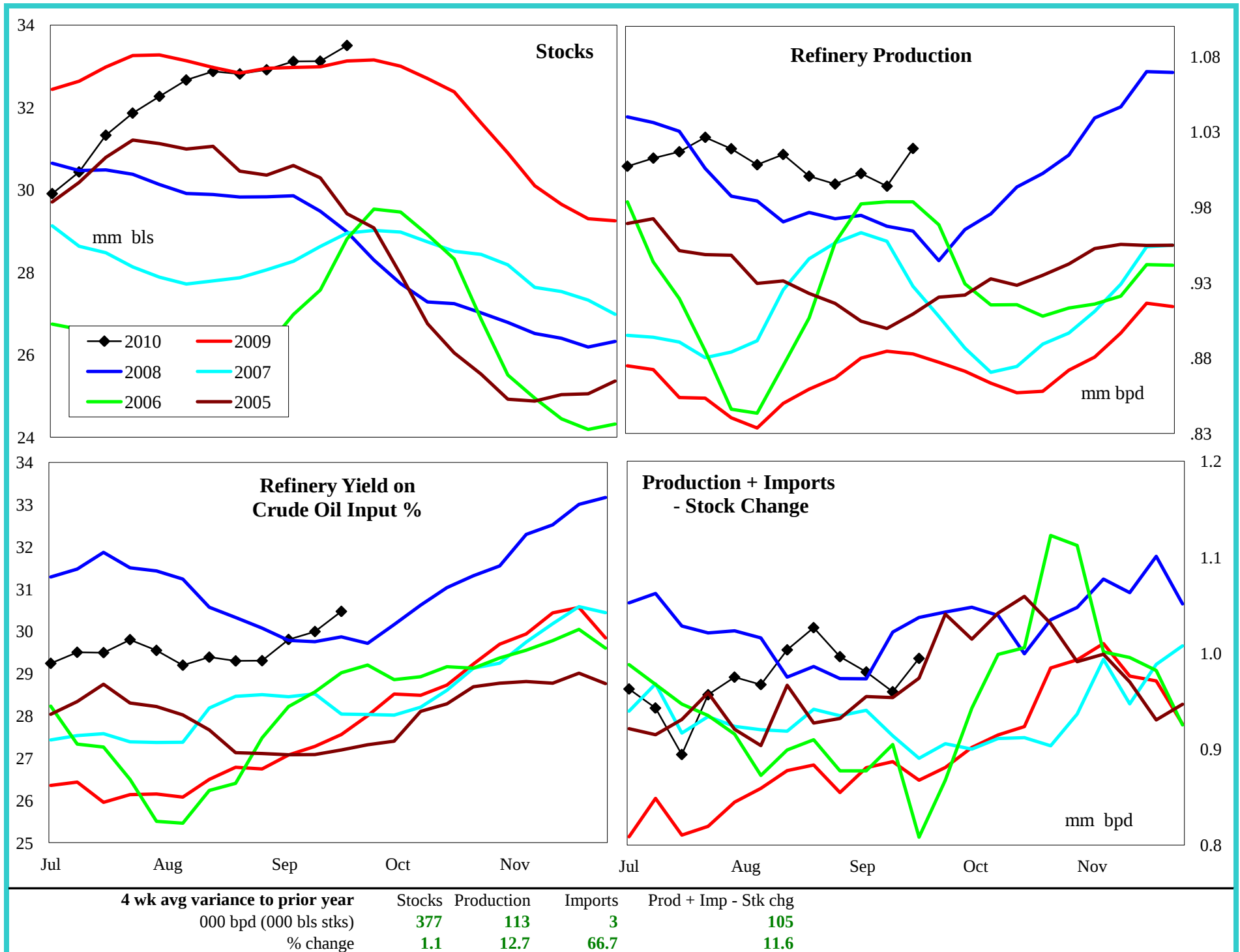
Stocks Production
1,510 **-27**
8.9 **-7.0**

Prod - Stk chg
-40
-10.3

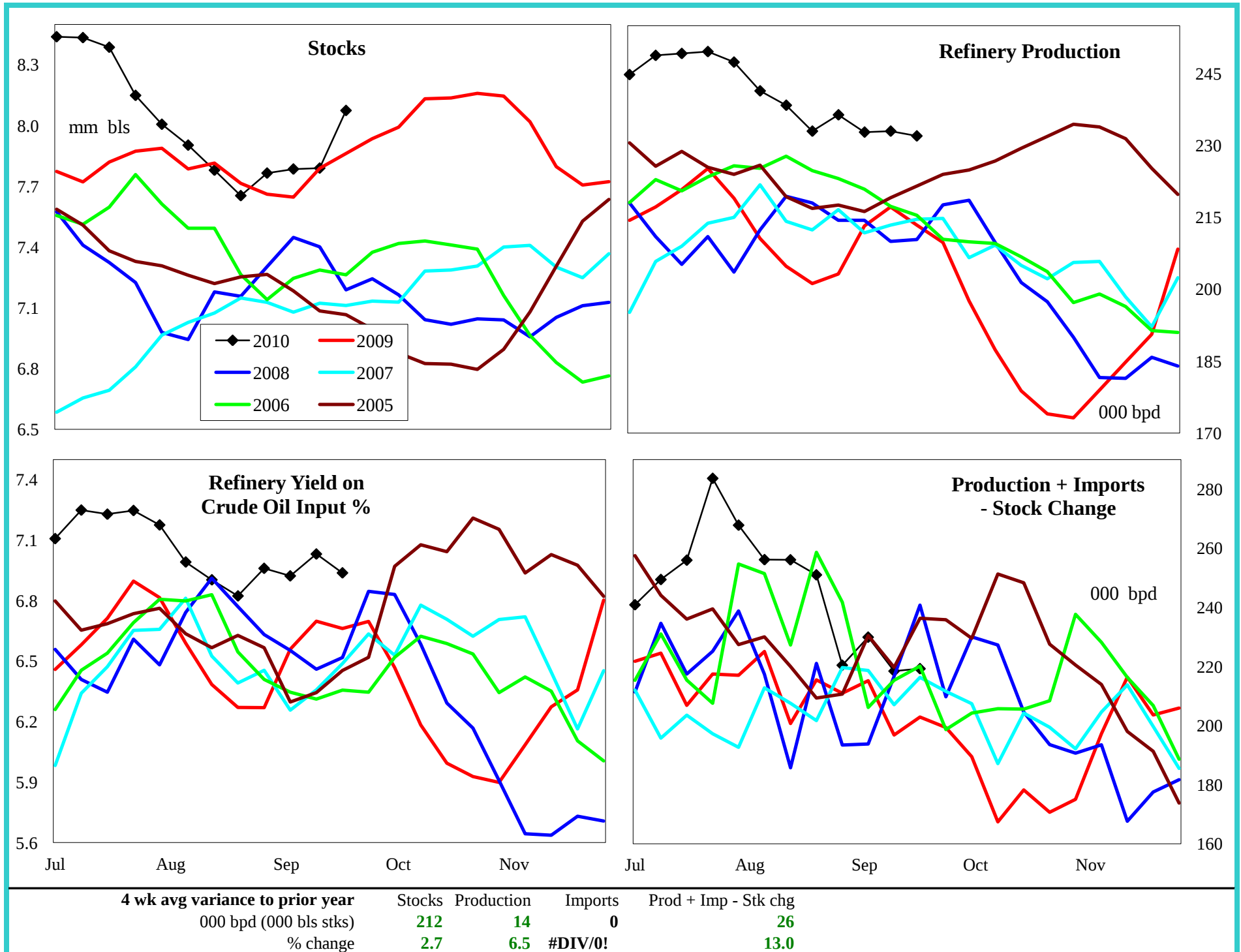
PADD 2 Conventional Gasoline Supply



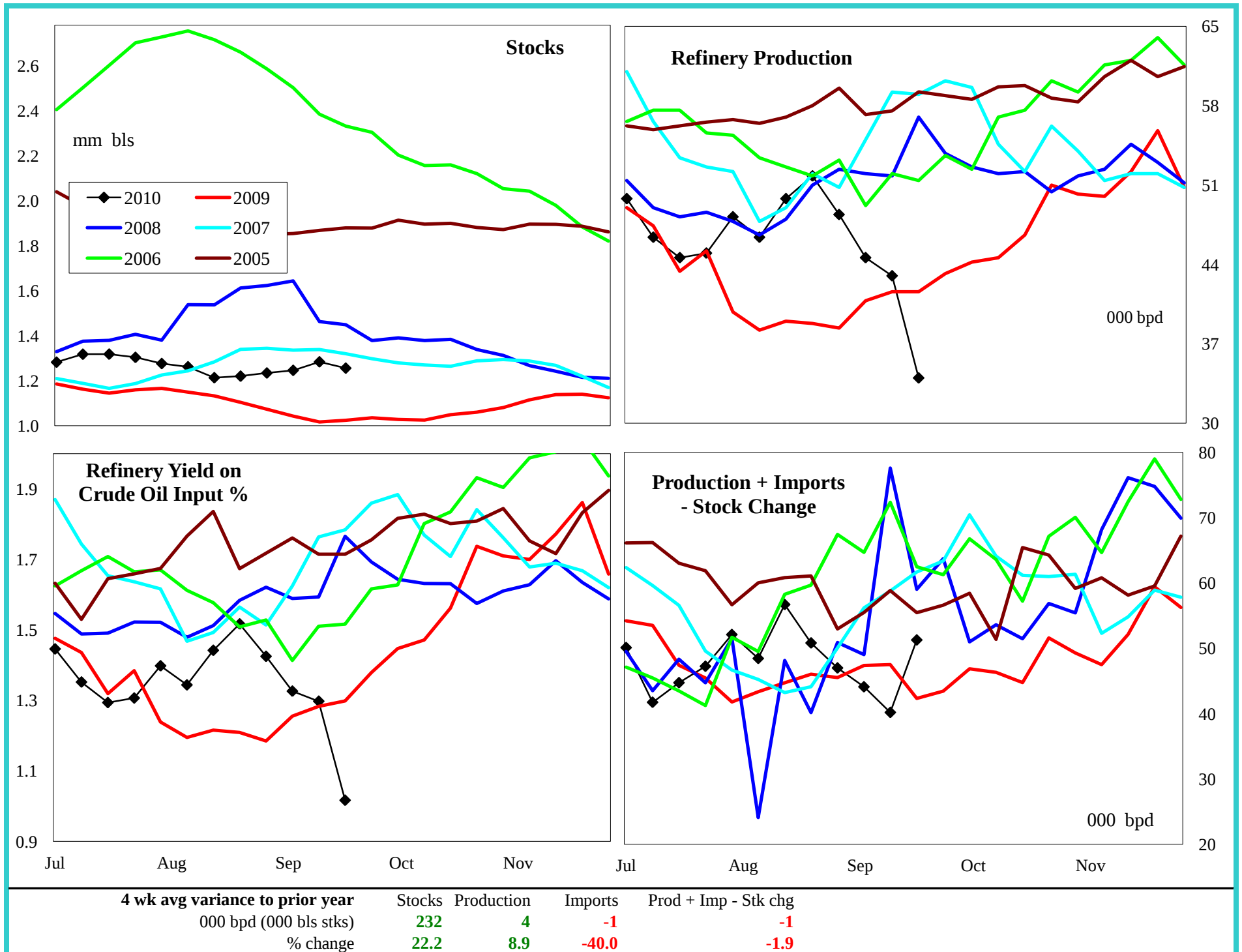
PADD 2 Distillate Supply



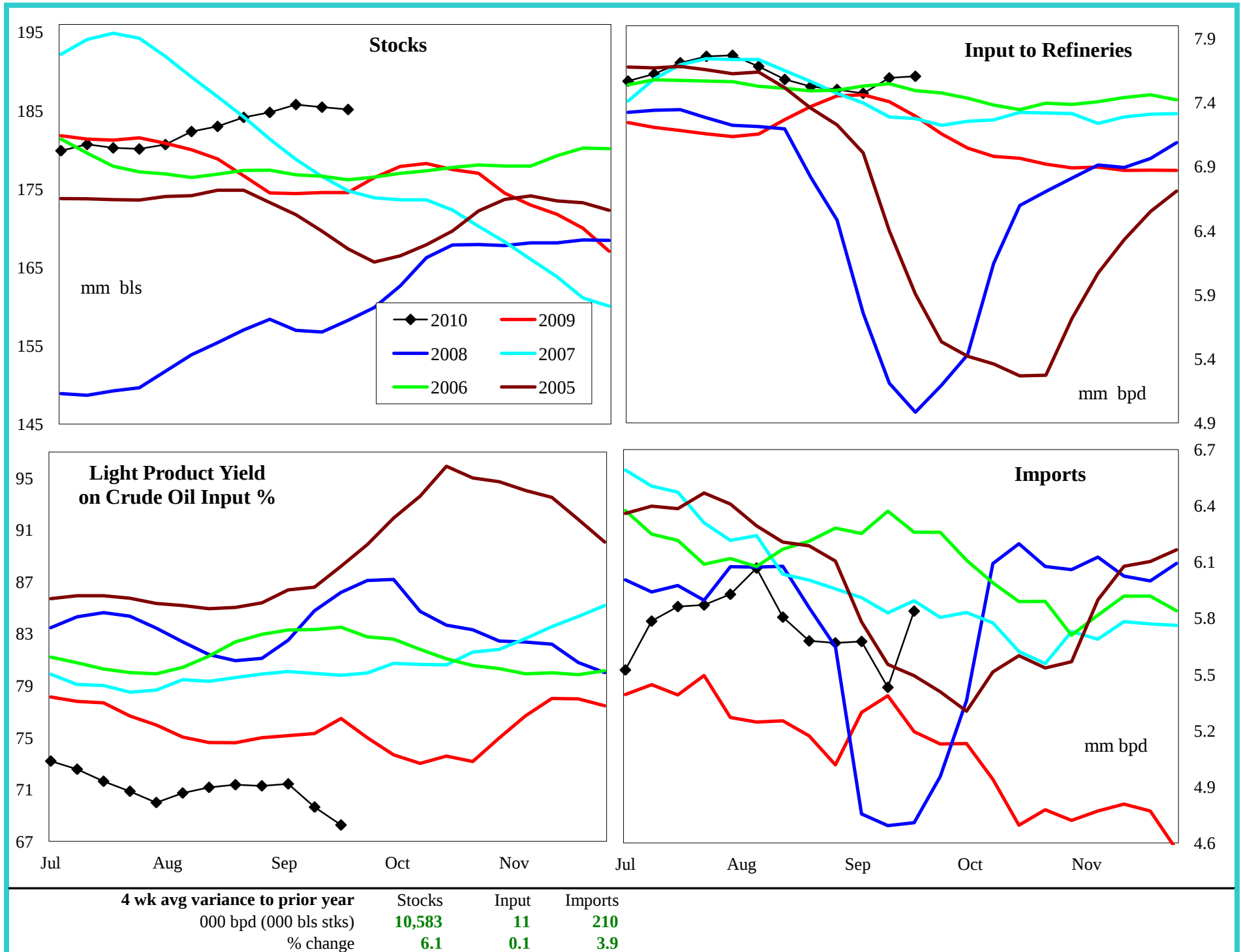
PADD 2 Jet Fuel Supply



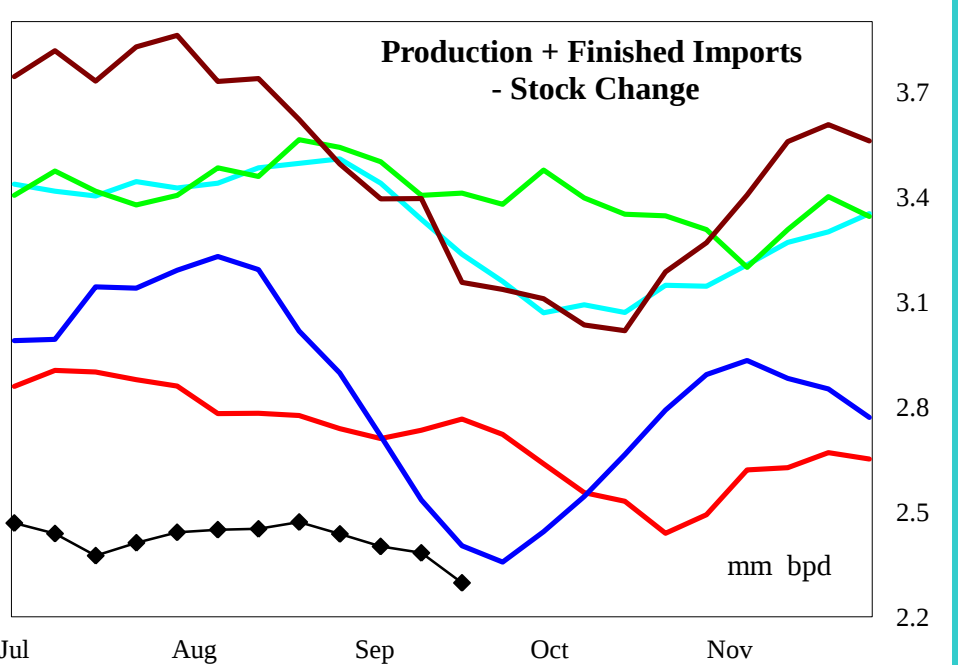
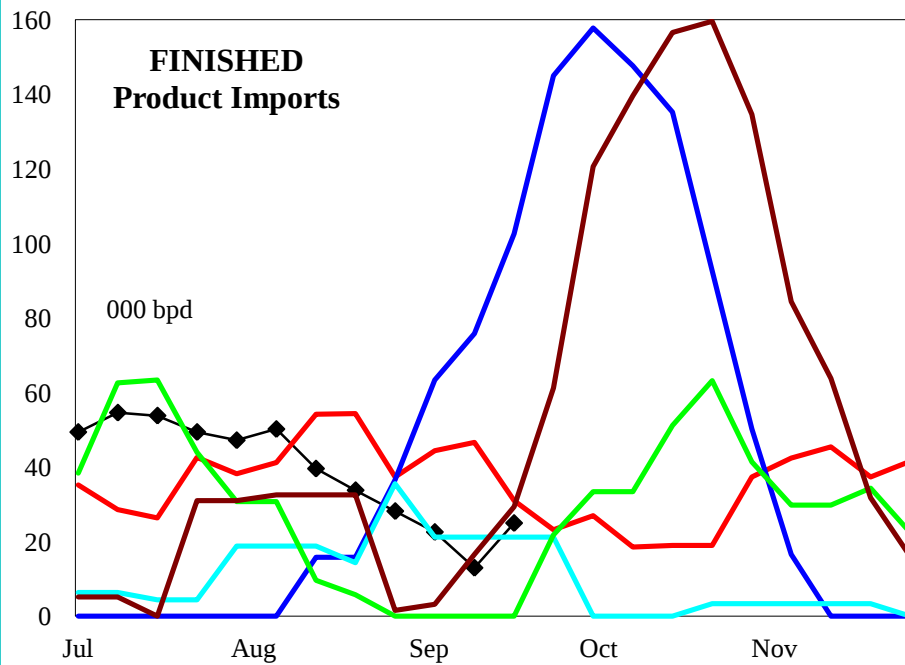
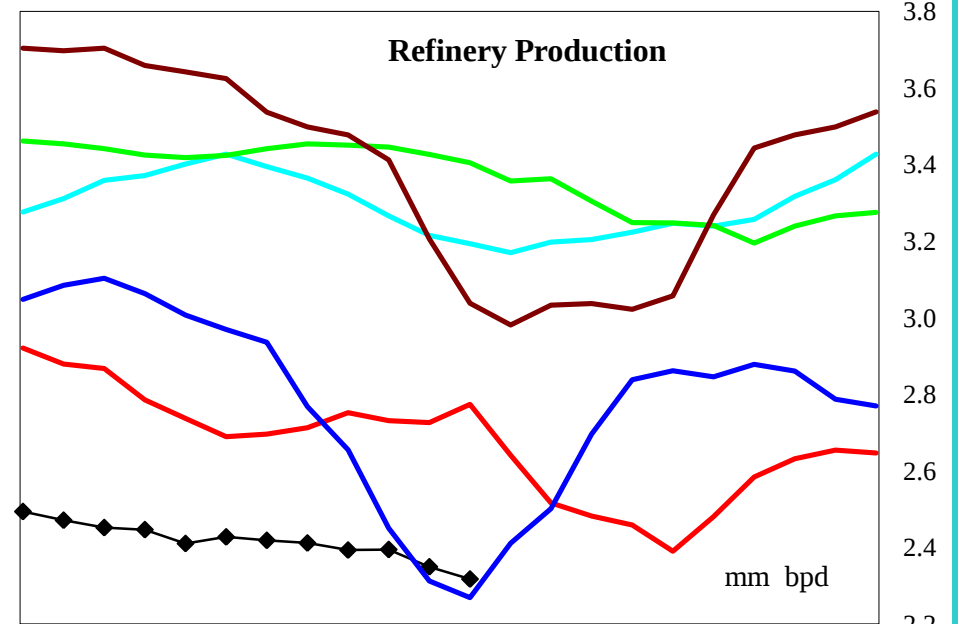
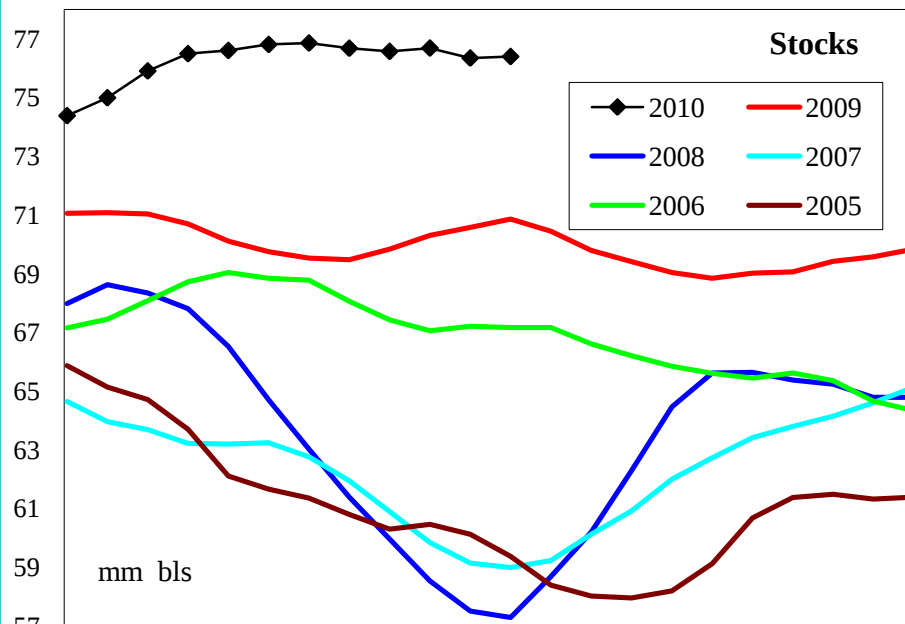
PADD 2 Residual Fuel Oil Supply



PADD 3 Crude Oil Supply and Refining



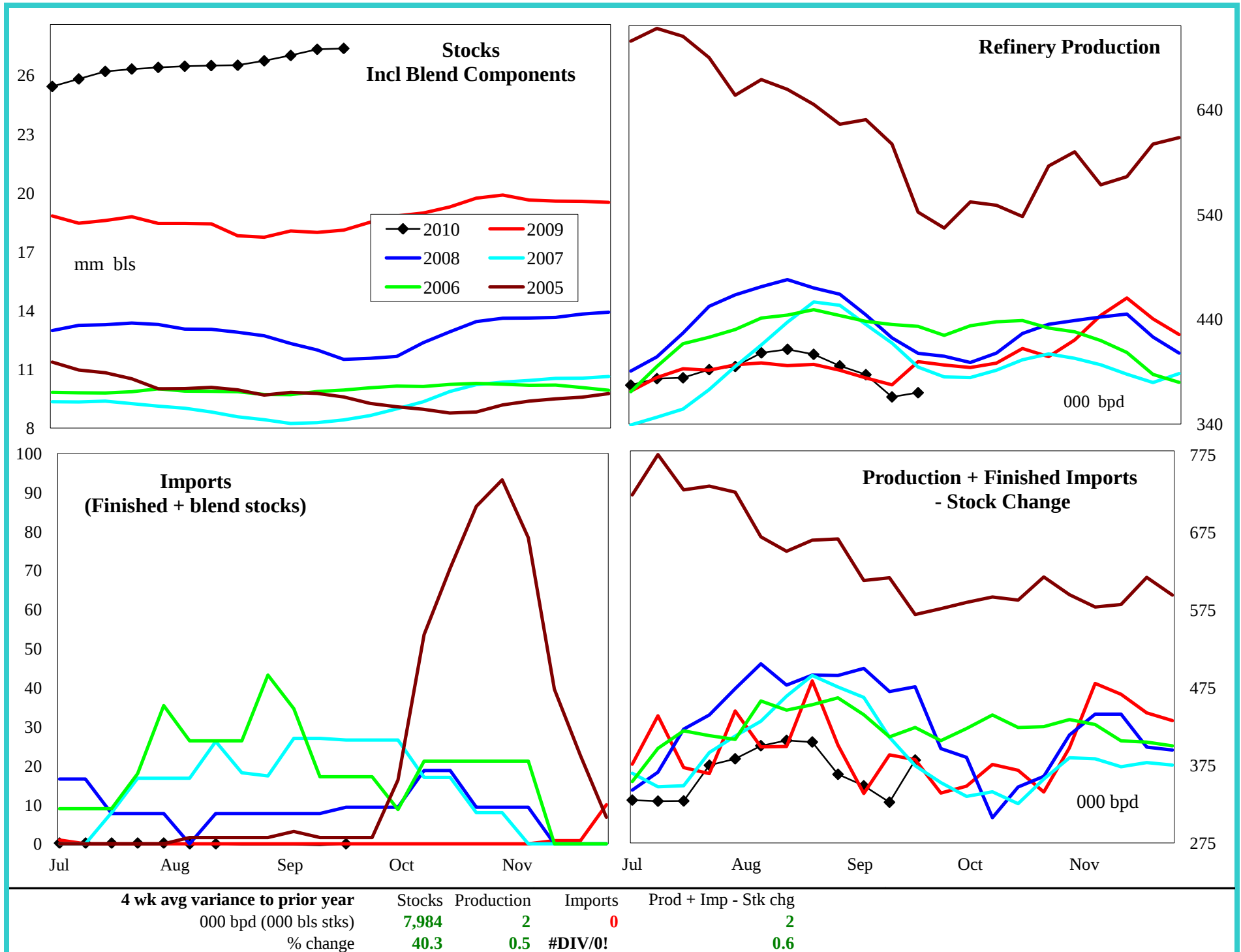
PADD 3 Gasoline Supply



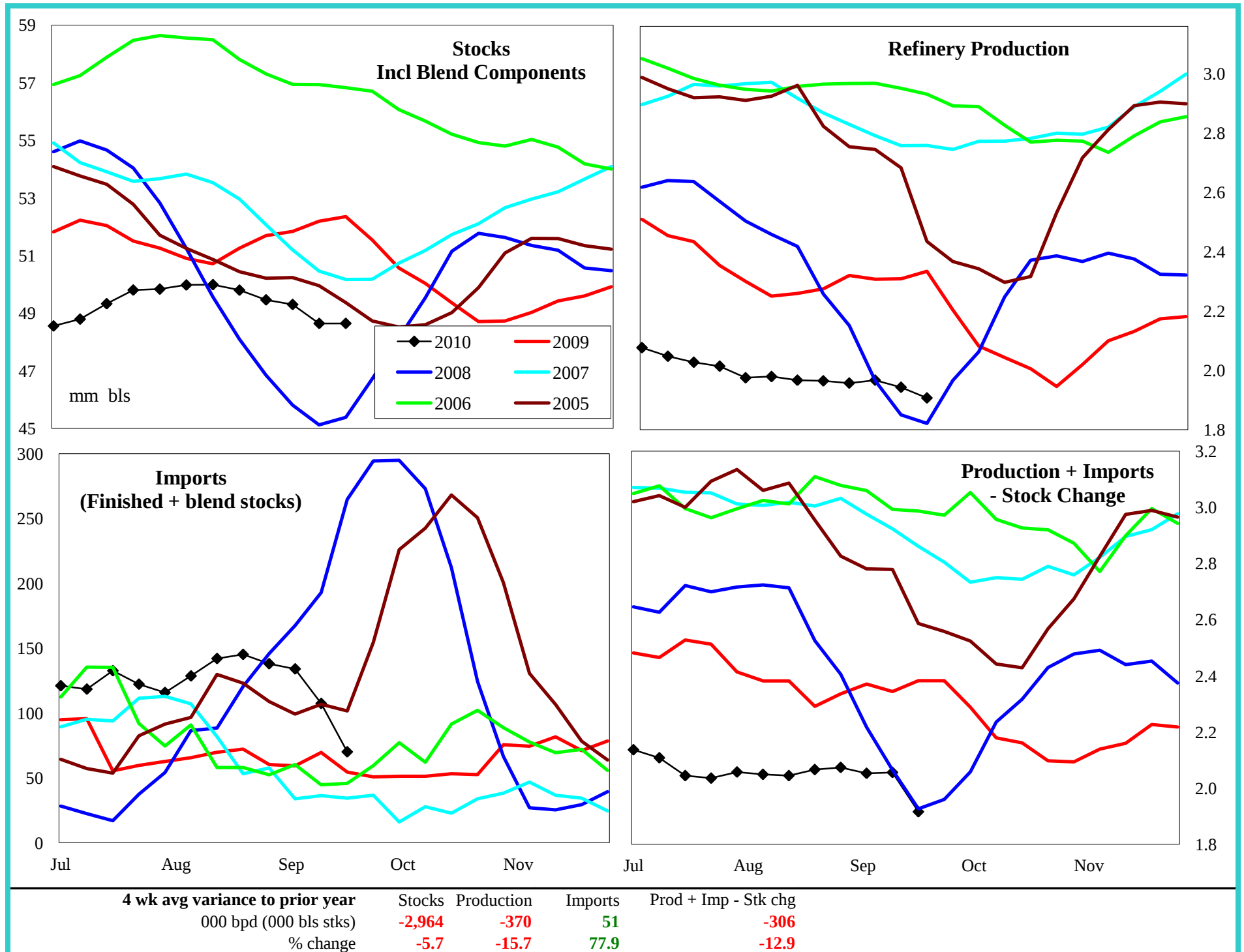
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Fin Impt	Blend Impt	Prod + Imp - Stk chg
4,995	-368	-32	82	-305
7.0	-13.5	-66.7	450.7	-11.2

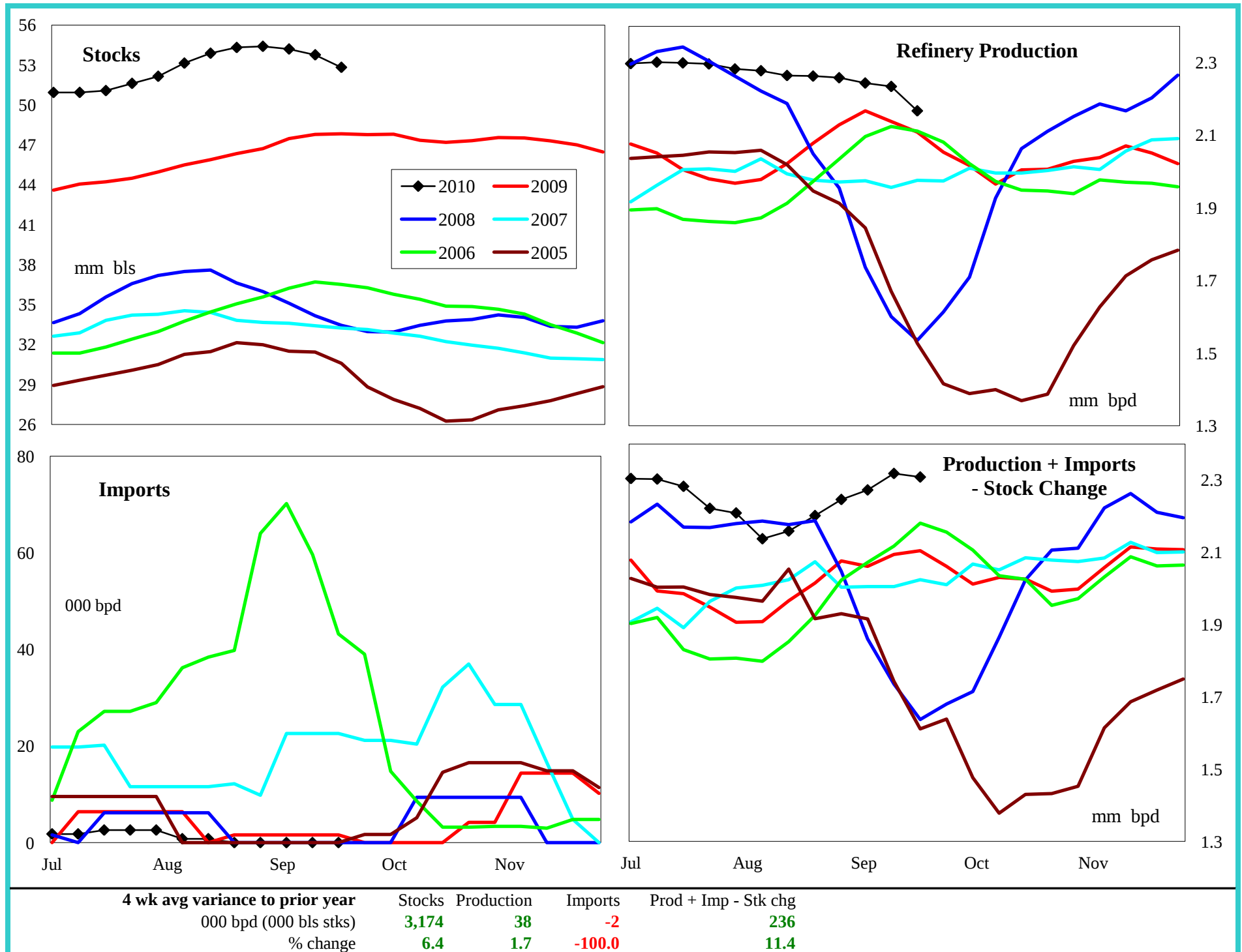
PADD 3 Reformulated Gasoline Supply



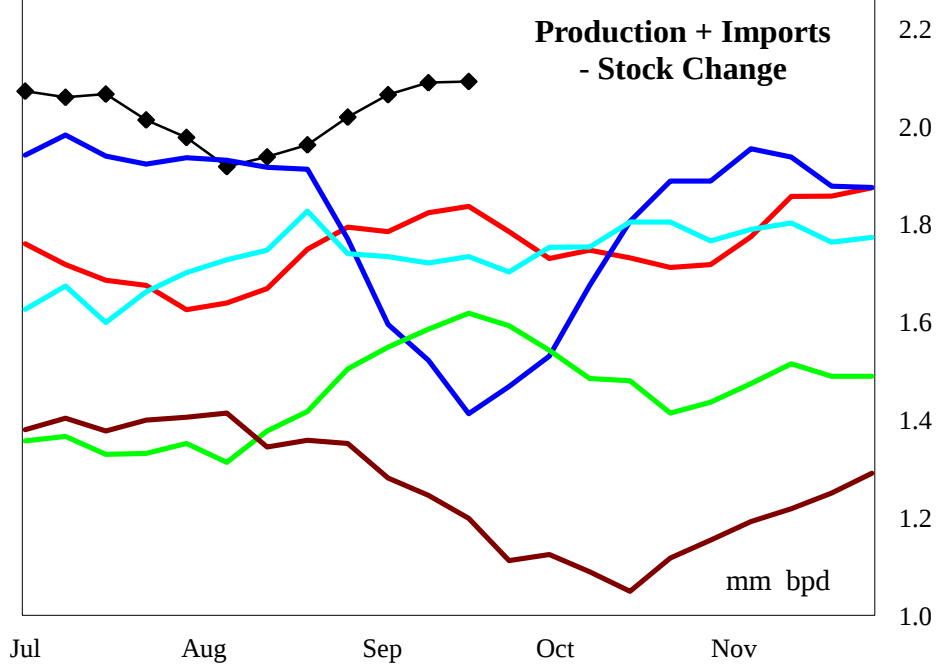
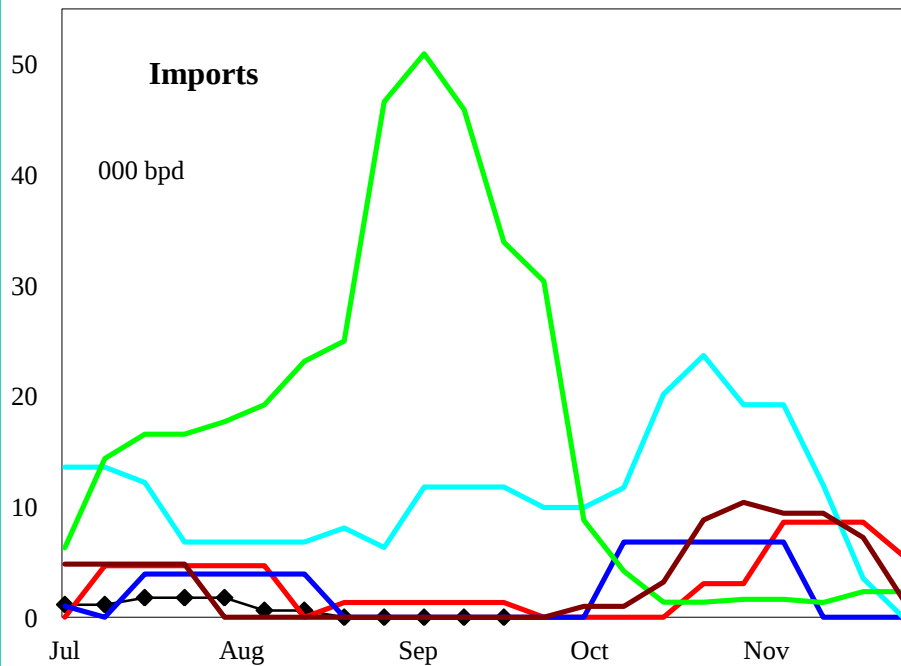
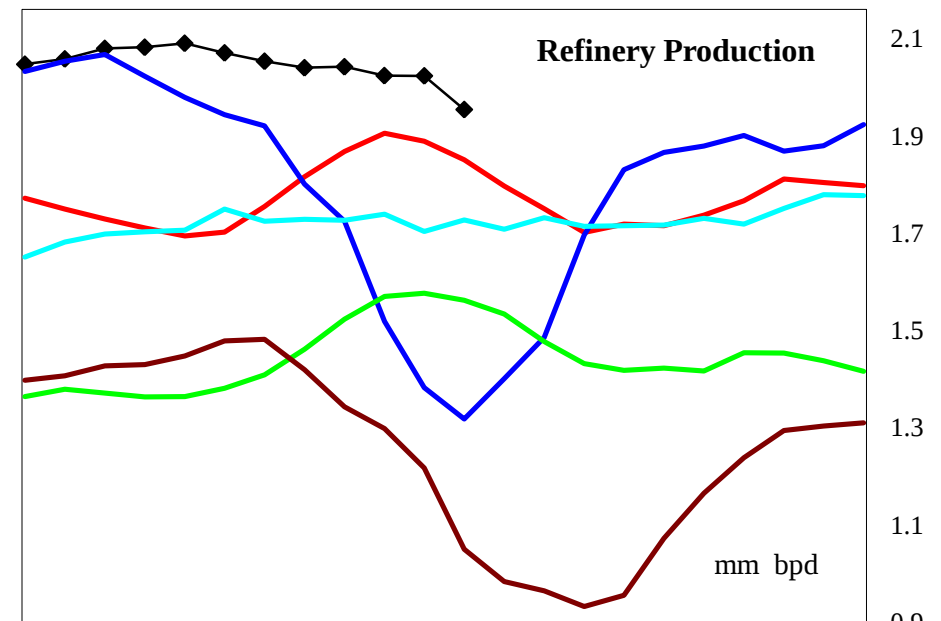
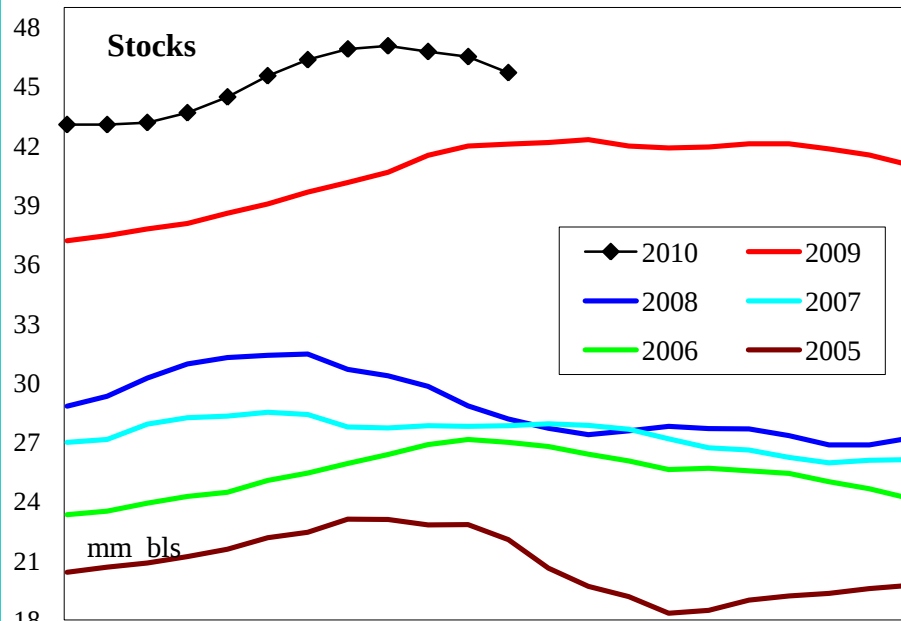
PADD 3 Conventional Gasoline Supply



PADD 3 Distillate Supply



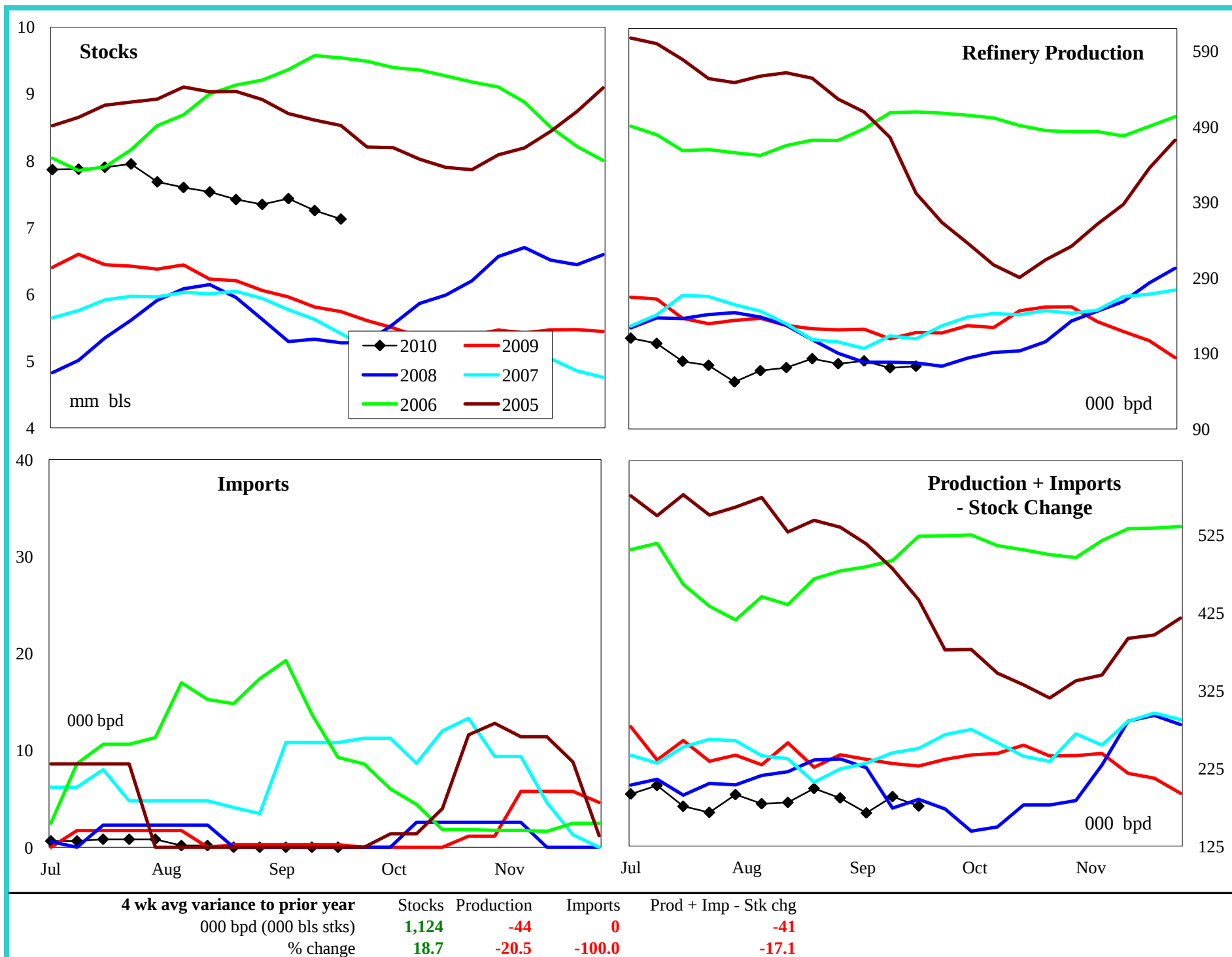
PADD 3 Low Sulfur Distillate Supply



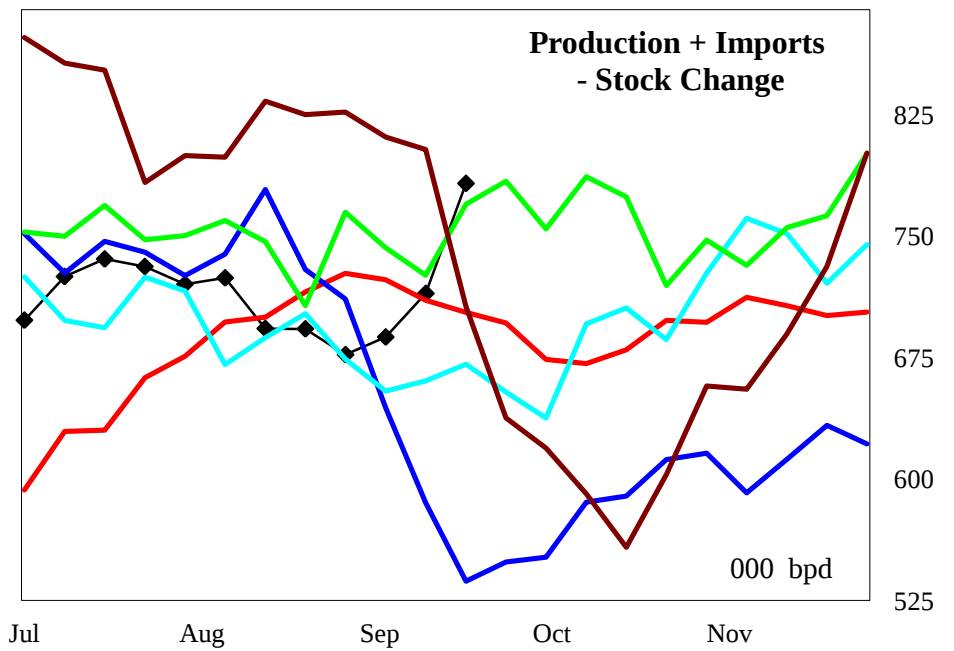
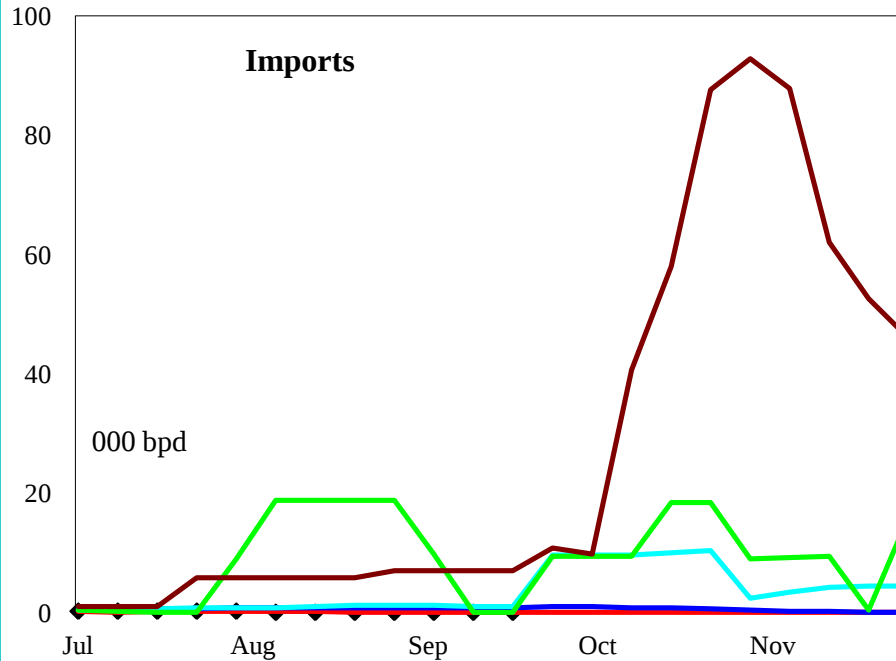
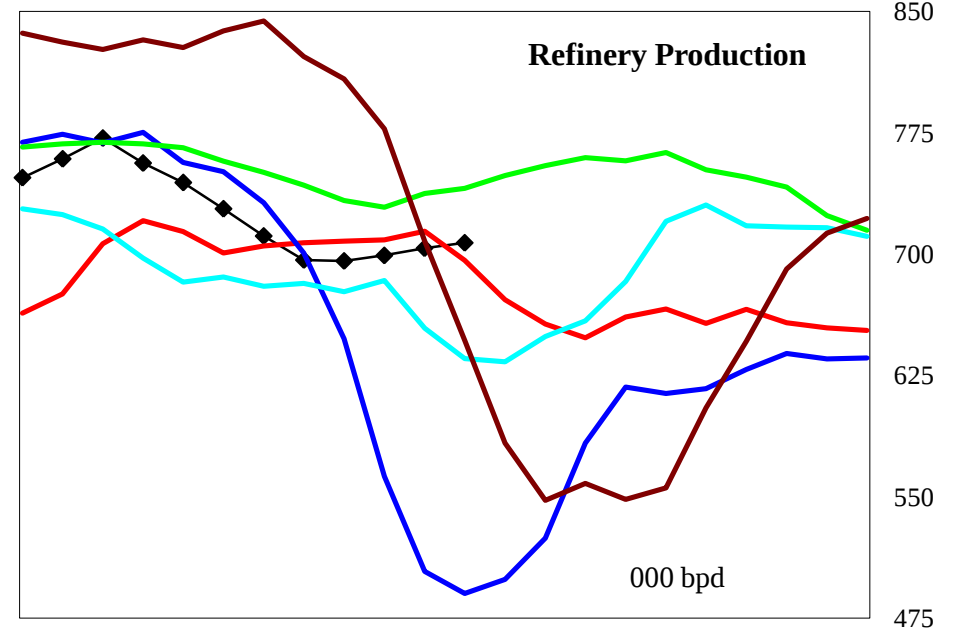
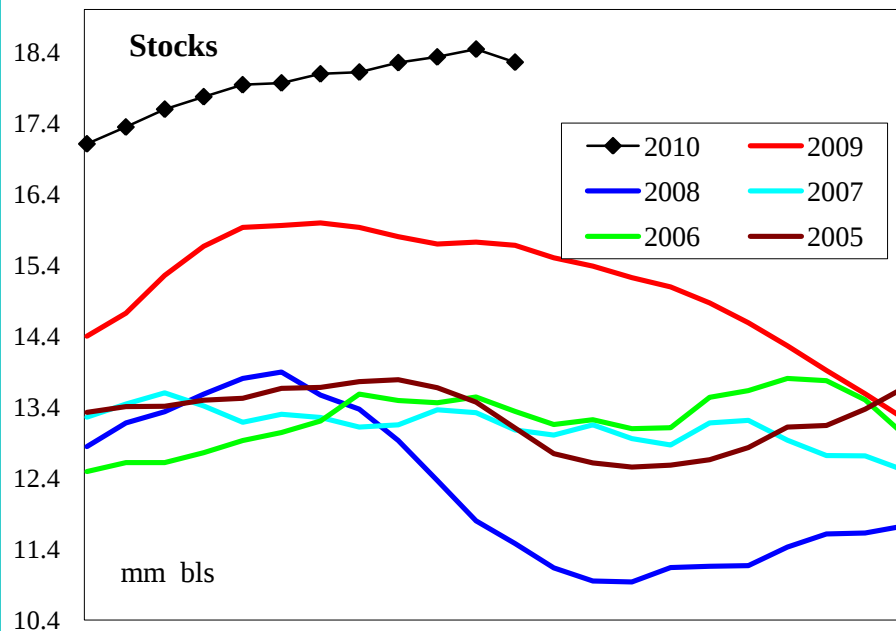
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Imports	Prod + Imp - Stk chg
2,050	81	-2	277
4.7	4.1	-100.0	15.1

PADD 3 High Sulfur Distillate Supply



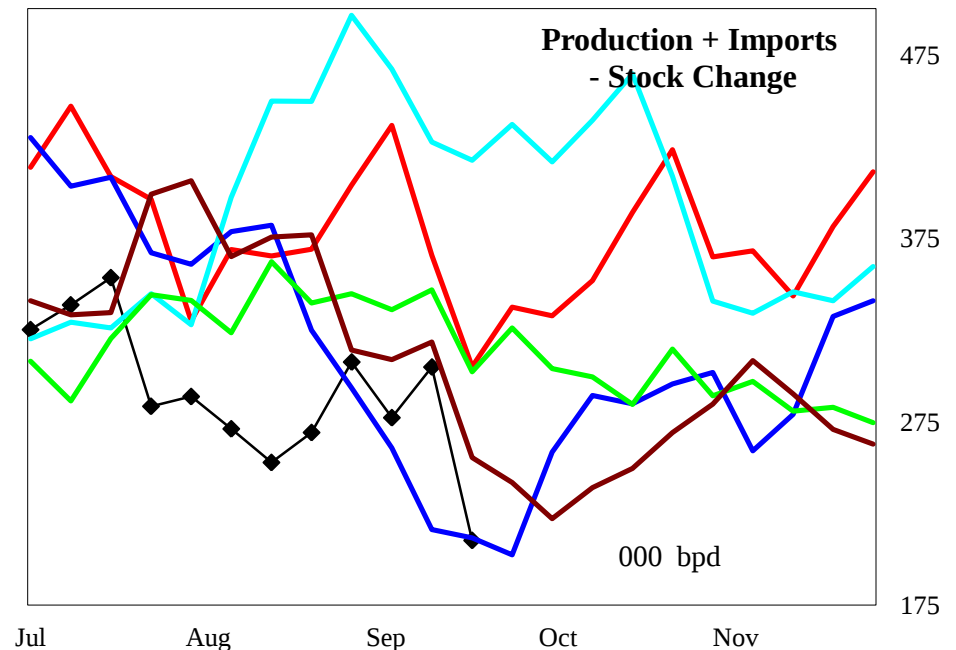
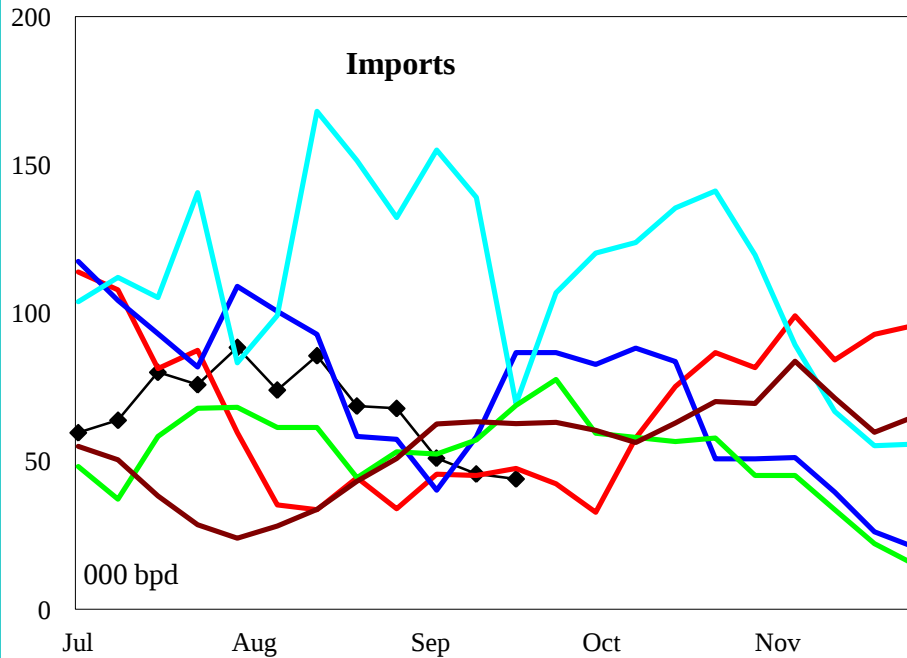
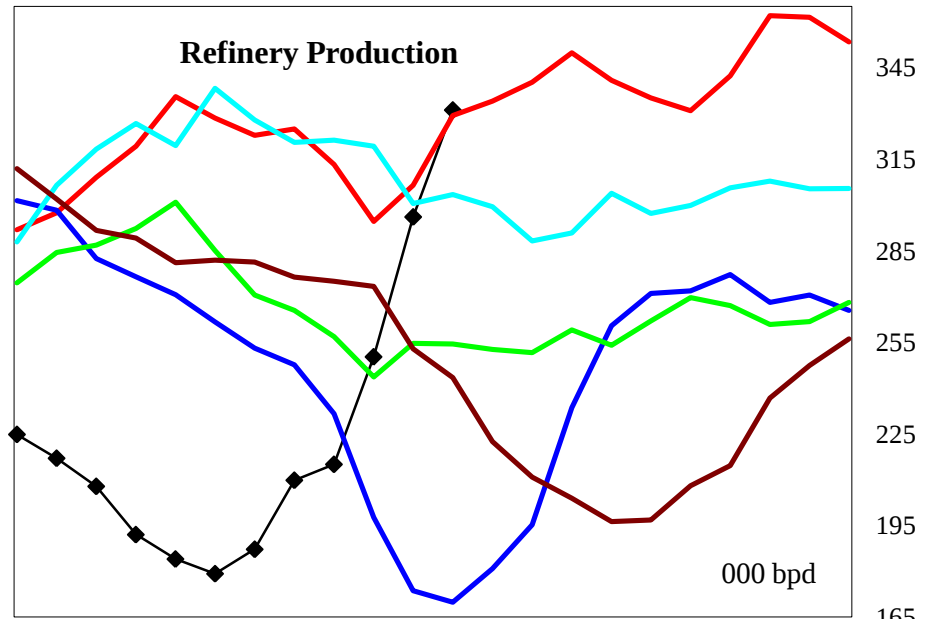
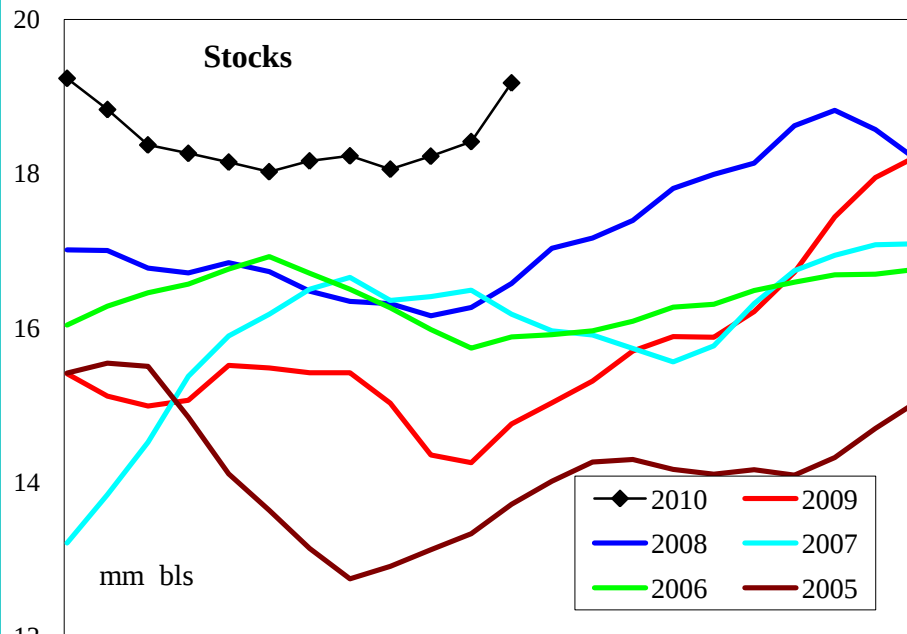
PADD 3 Jet Fuel Supply



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

Stocks	Production	Imports	Prod + Imp - Stk chg
2,580	-30	0	-47
16.5	-4.1	#DIV/0!	-6.4

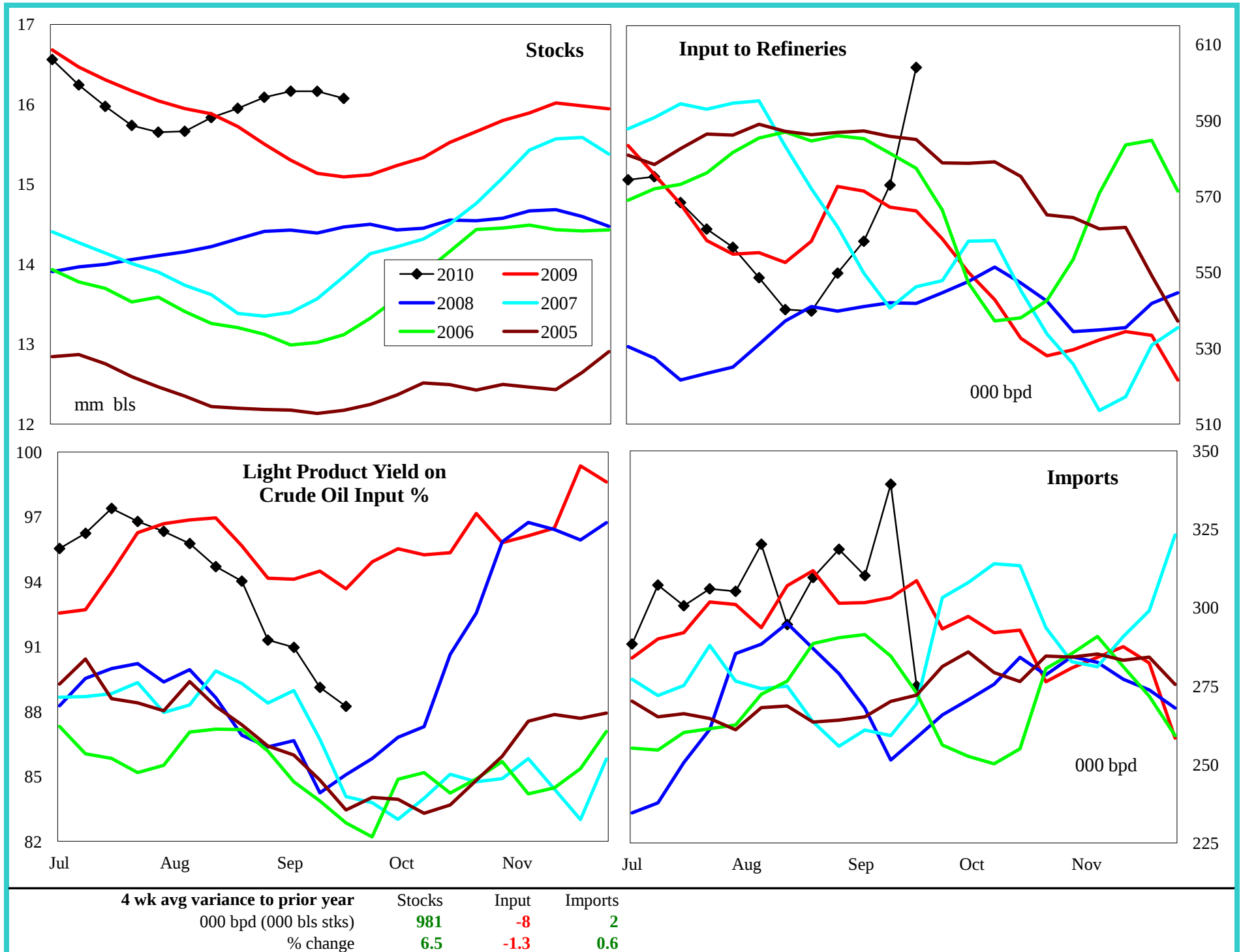
PADD 3 Residual Fuel Oil Supply



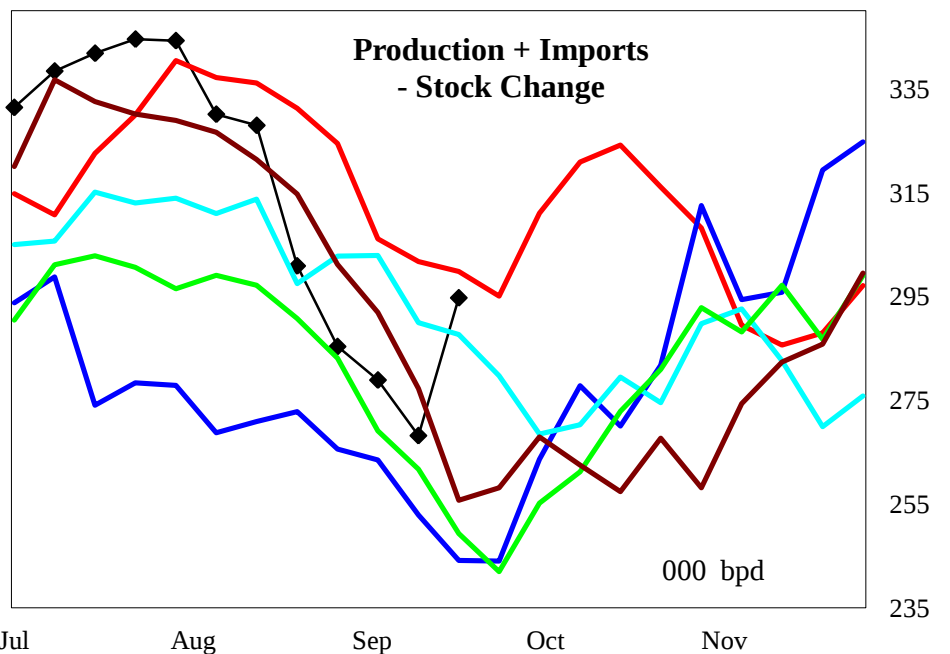
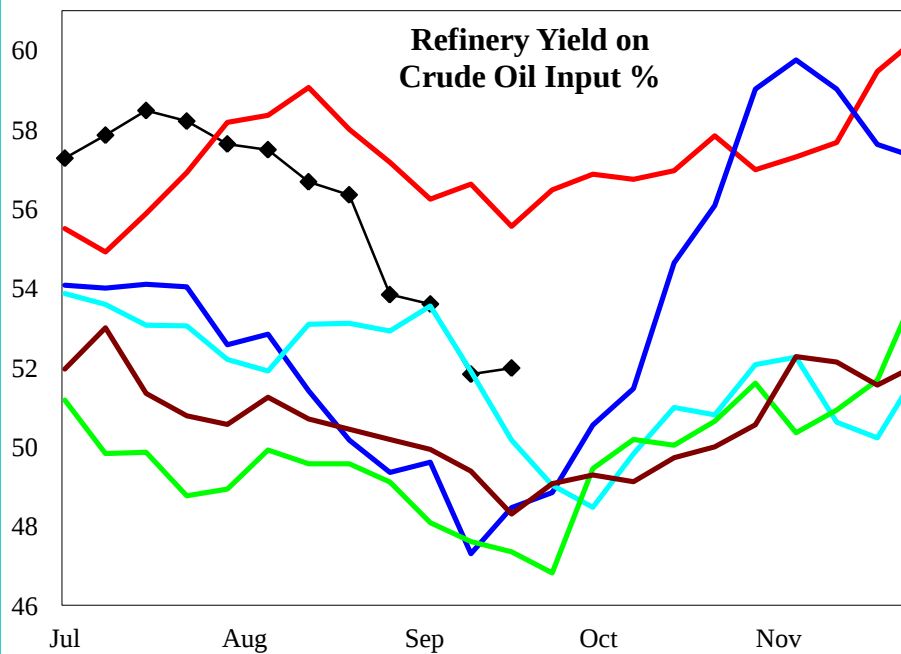
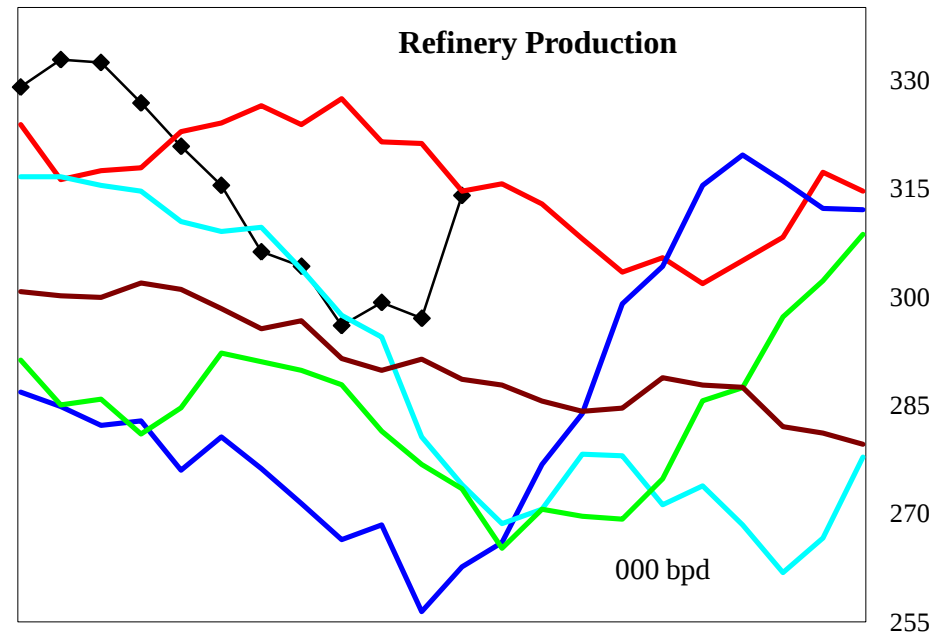
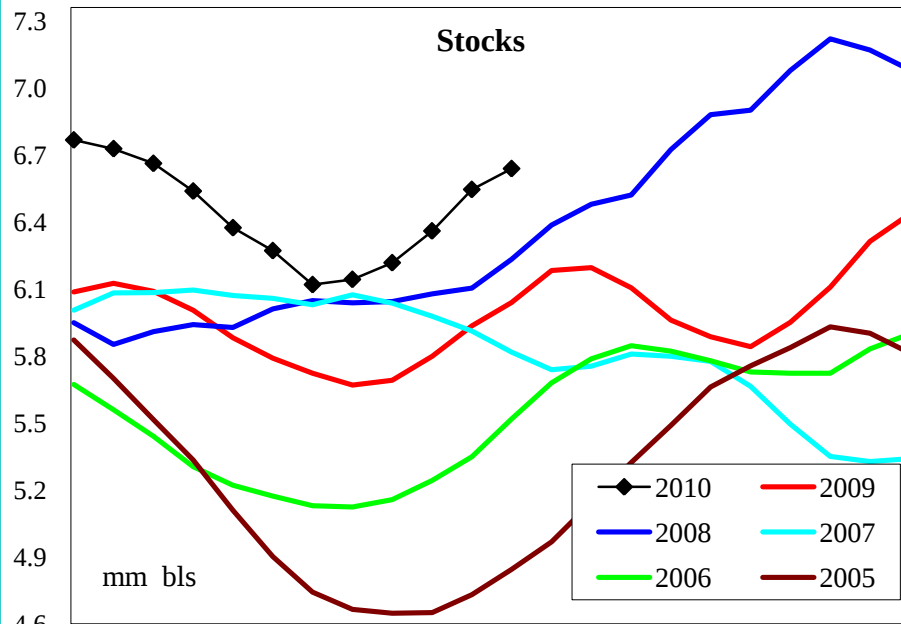
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Imports	Prod + Imp - Stk chg
4,426	-12	2	-131
30.0	-4.0	3.6	-32.4

PADD 4 Crude Oil Supply and Refining



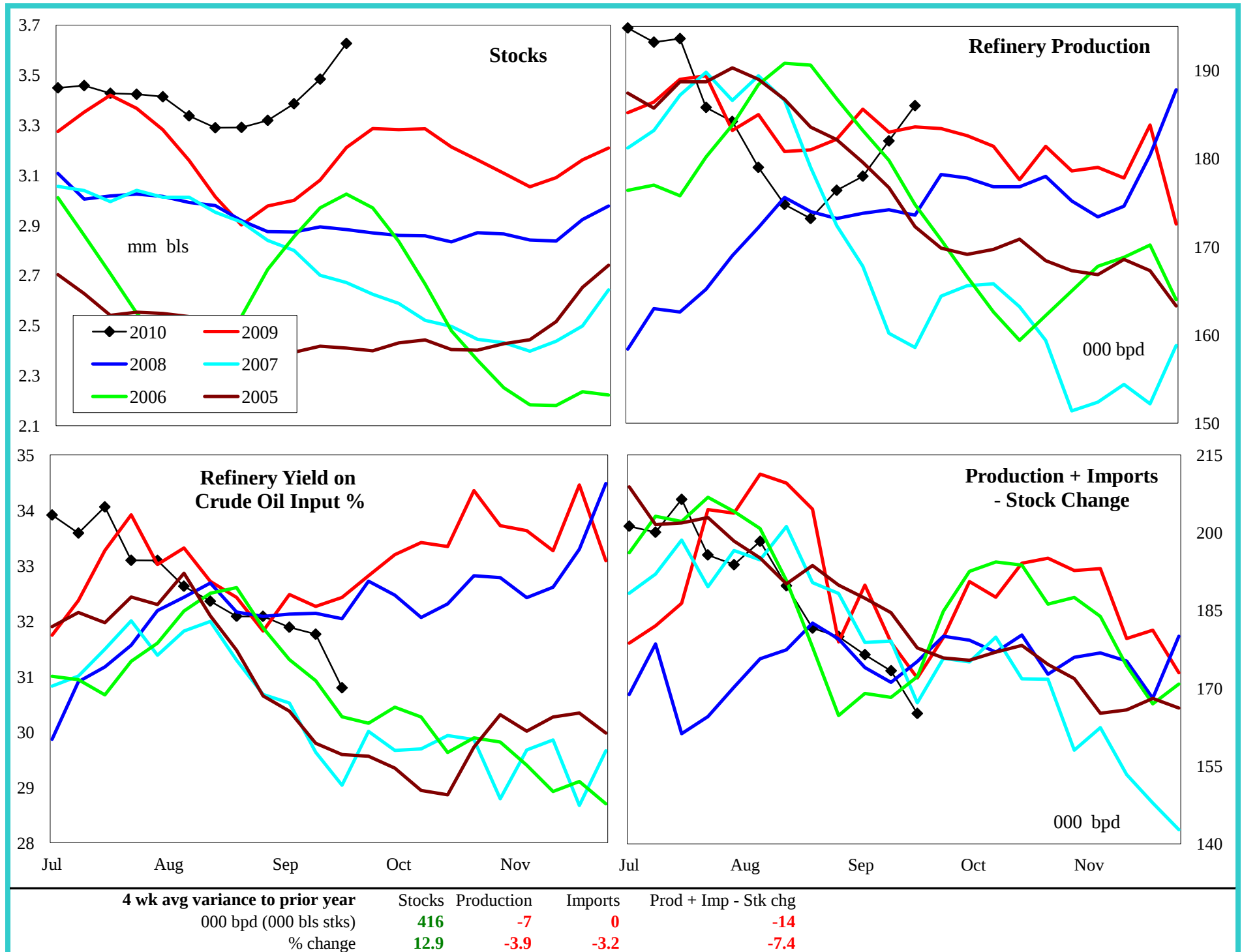
PADD 4 Gasoline Supply



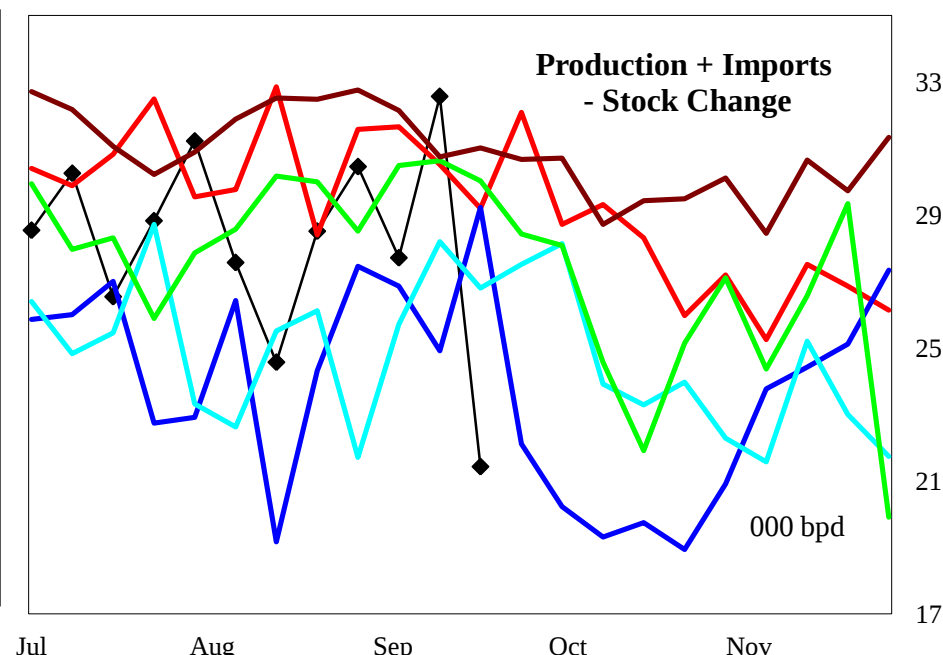
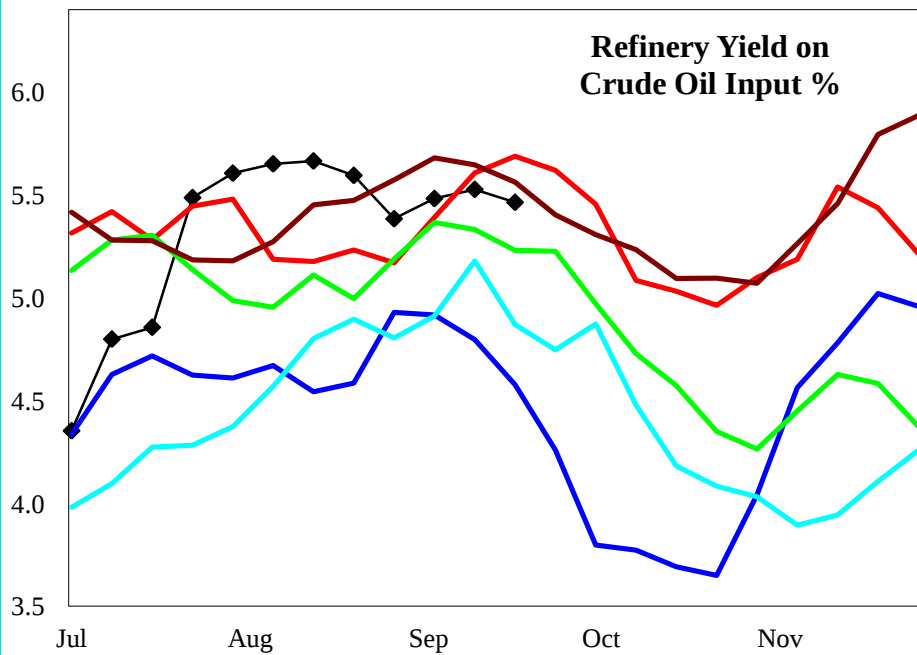
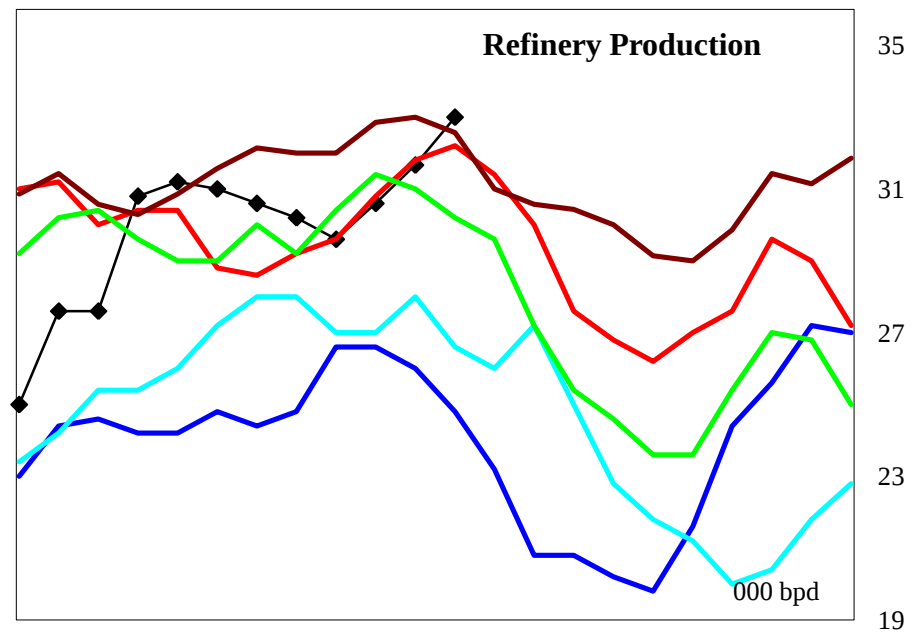
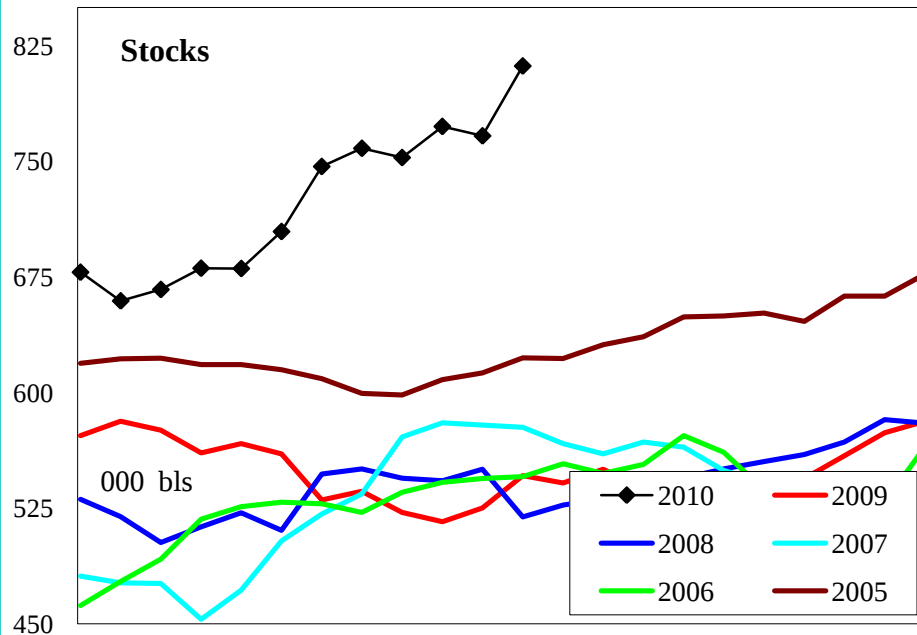
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

	Stocks	Production	Prod + Imp - Stk chg
000 bpd (000 bls stks)	600	-31	-28
% change	9.9	-9.4	-9.2

PADD 4 Distillate Supply



PADD 4 Jet Fuel Supply

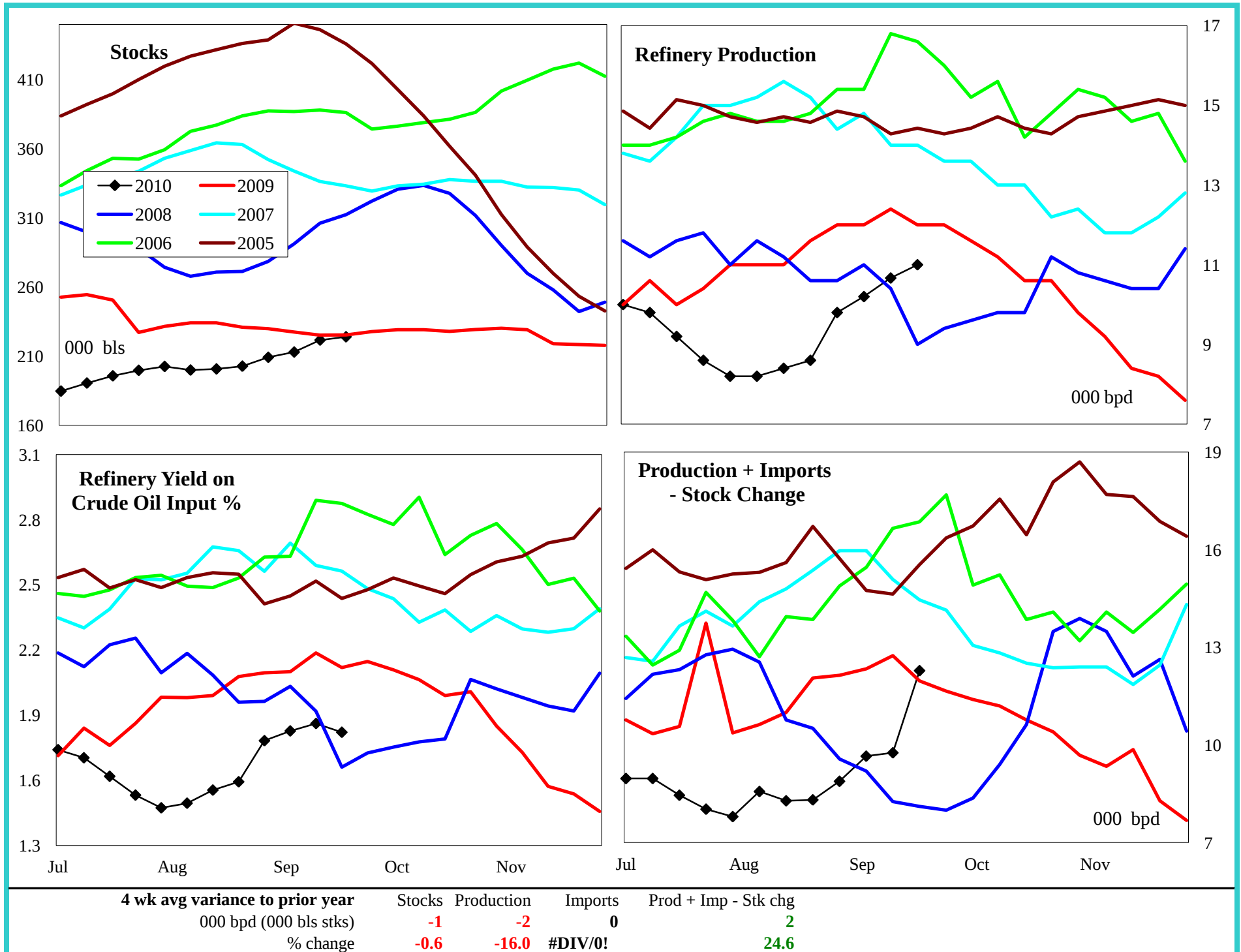


4 wk avg variance to prior year
 000 bpd (000 bbls stks)
 % change

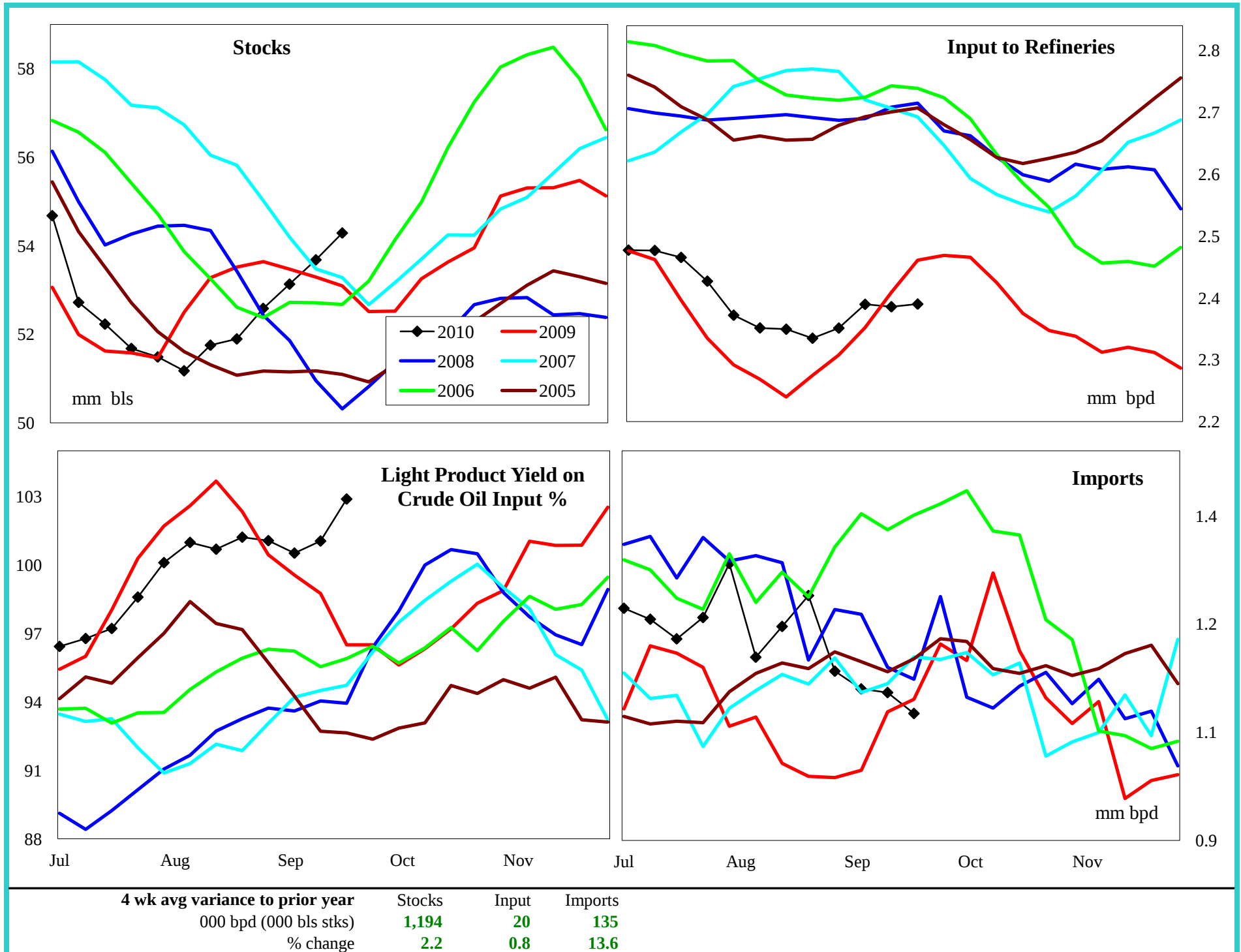
	Stocks	Production
000 bpd (000 bbls stks)	266	-1
% change	48.7	-1.6

Prod + Imp - Stk chg
 0
 -1.5

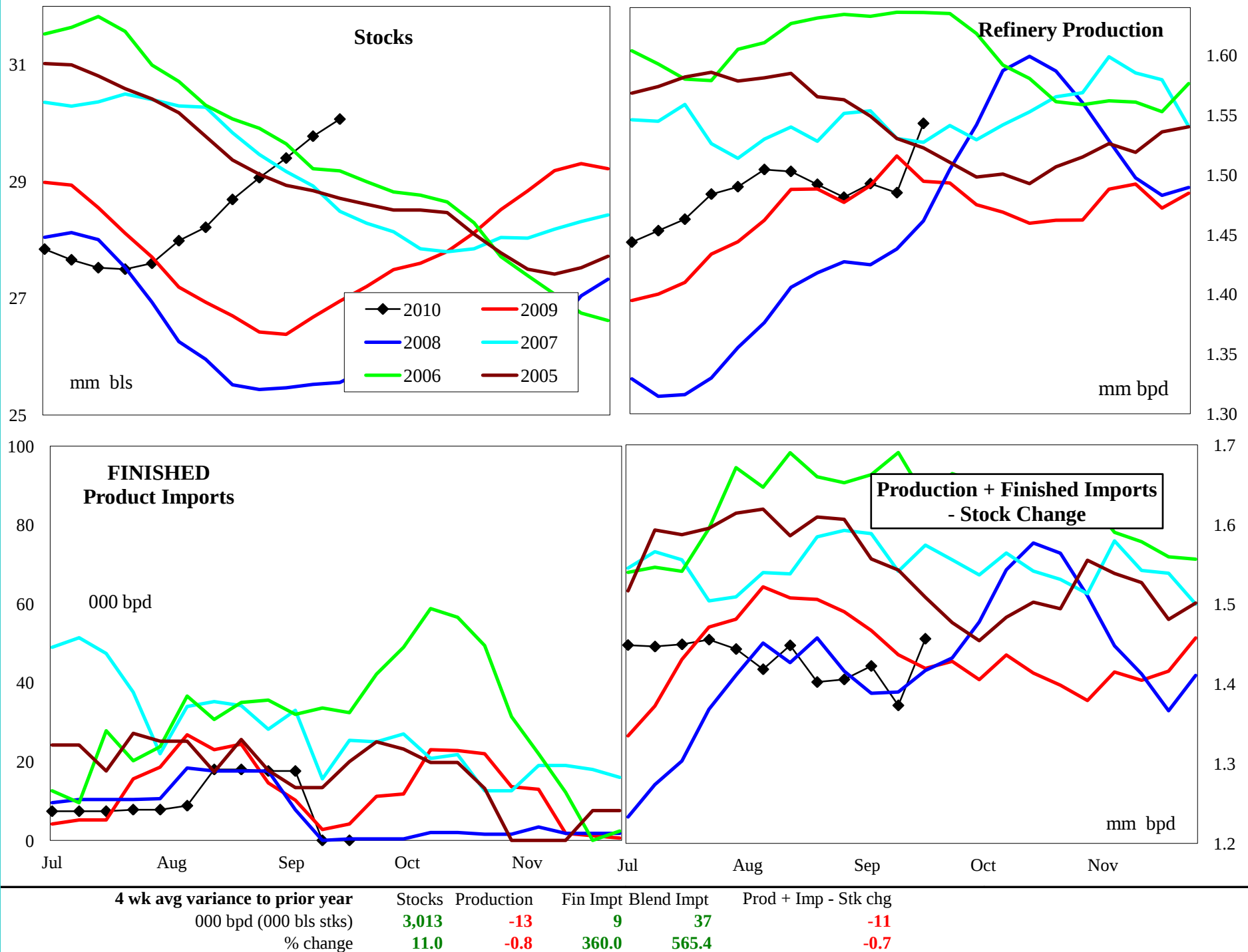
PADD 4 Residual Fuel Oil Supply



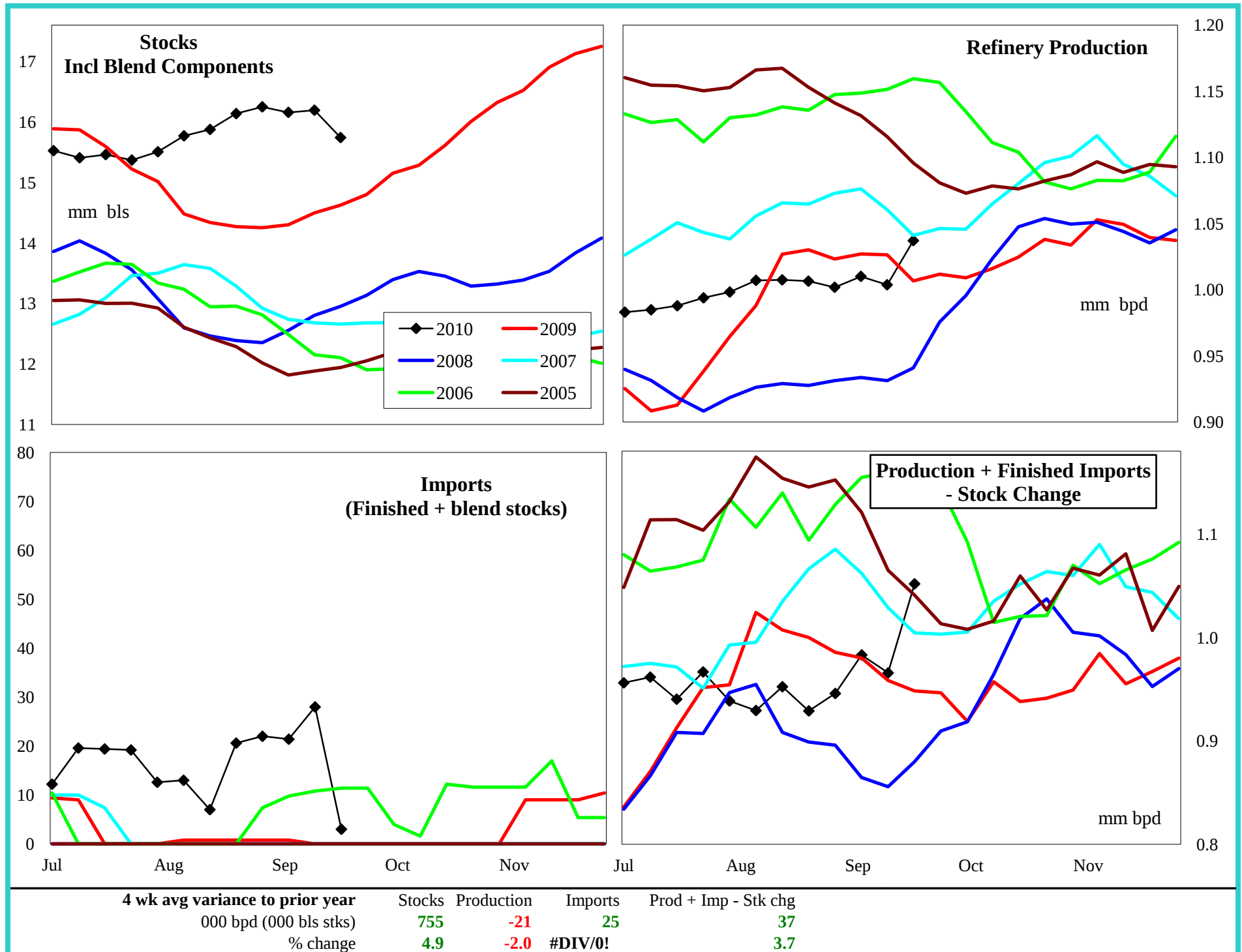
PADD 5 Crude Oil Supply and Refining



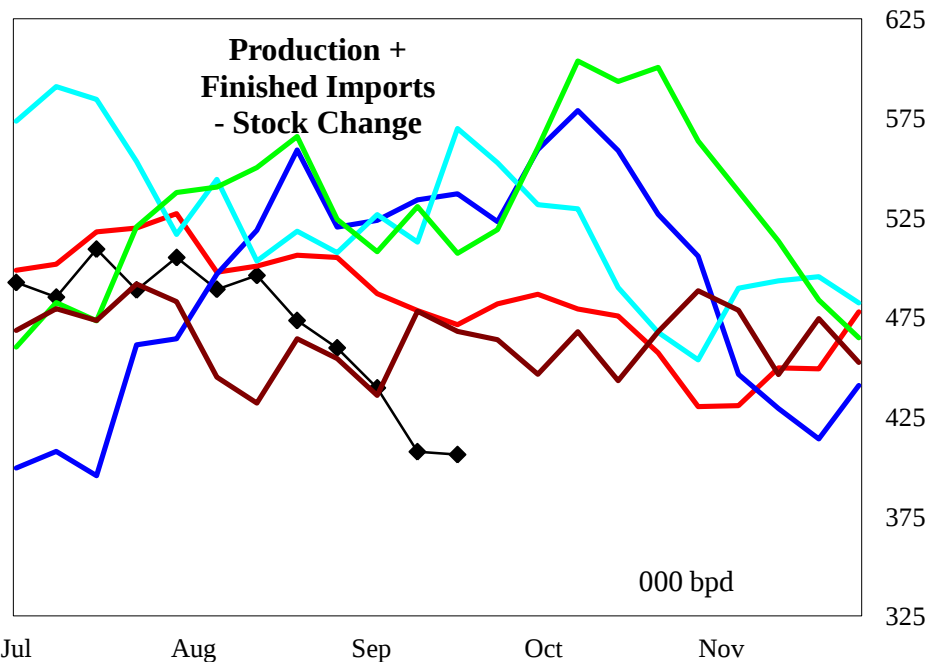
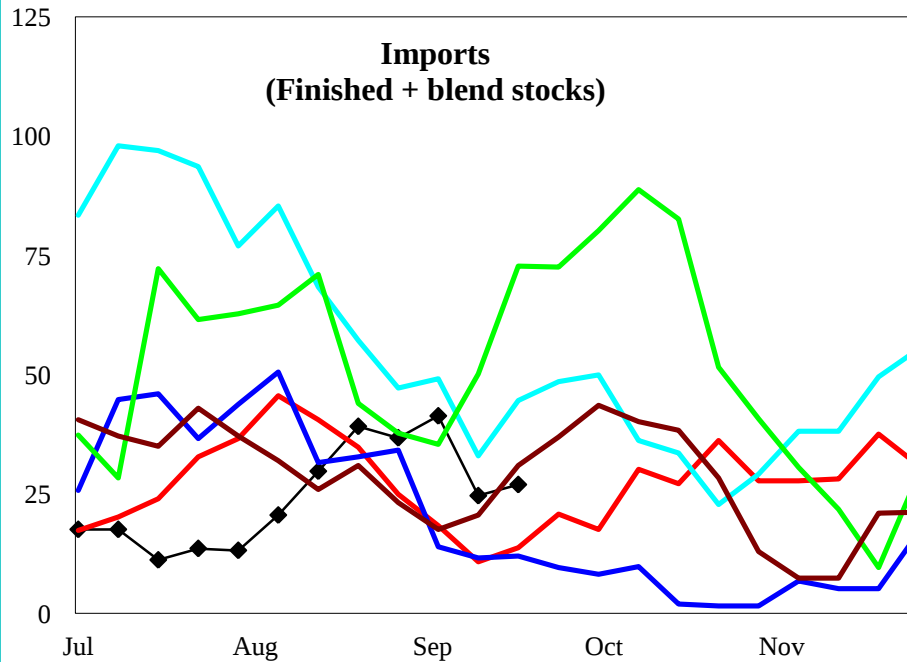
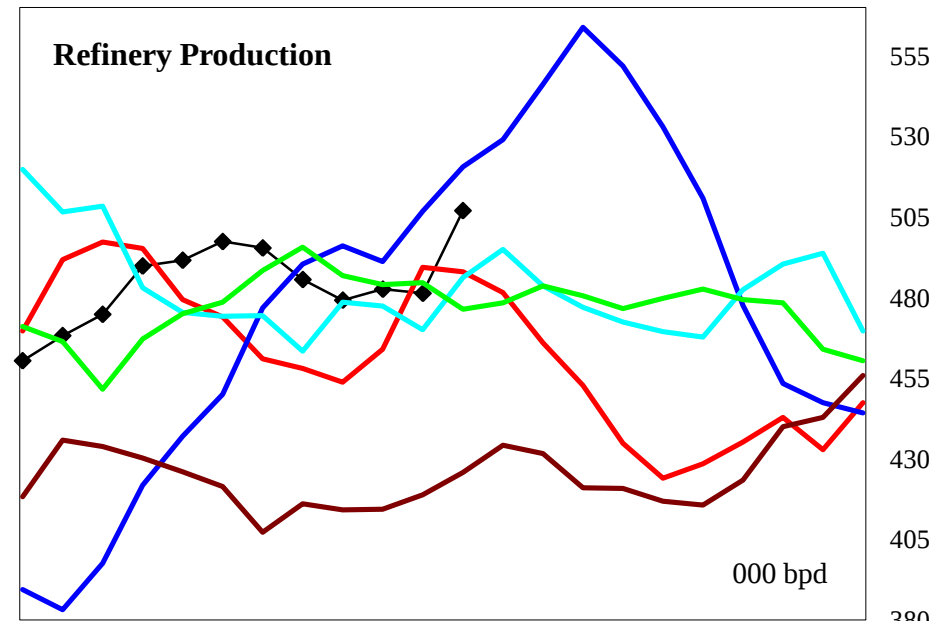
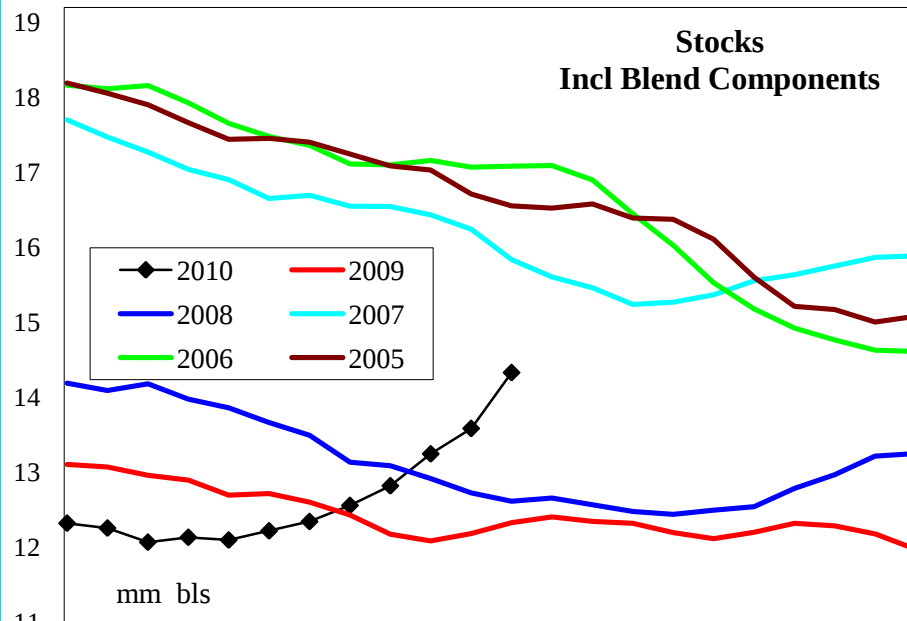
PADD 5 Gasoline Supply



PADD 5 Reformulated Gasoline Supply



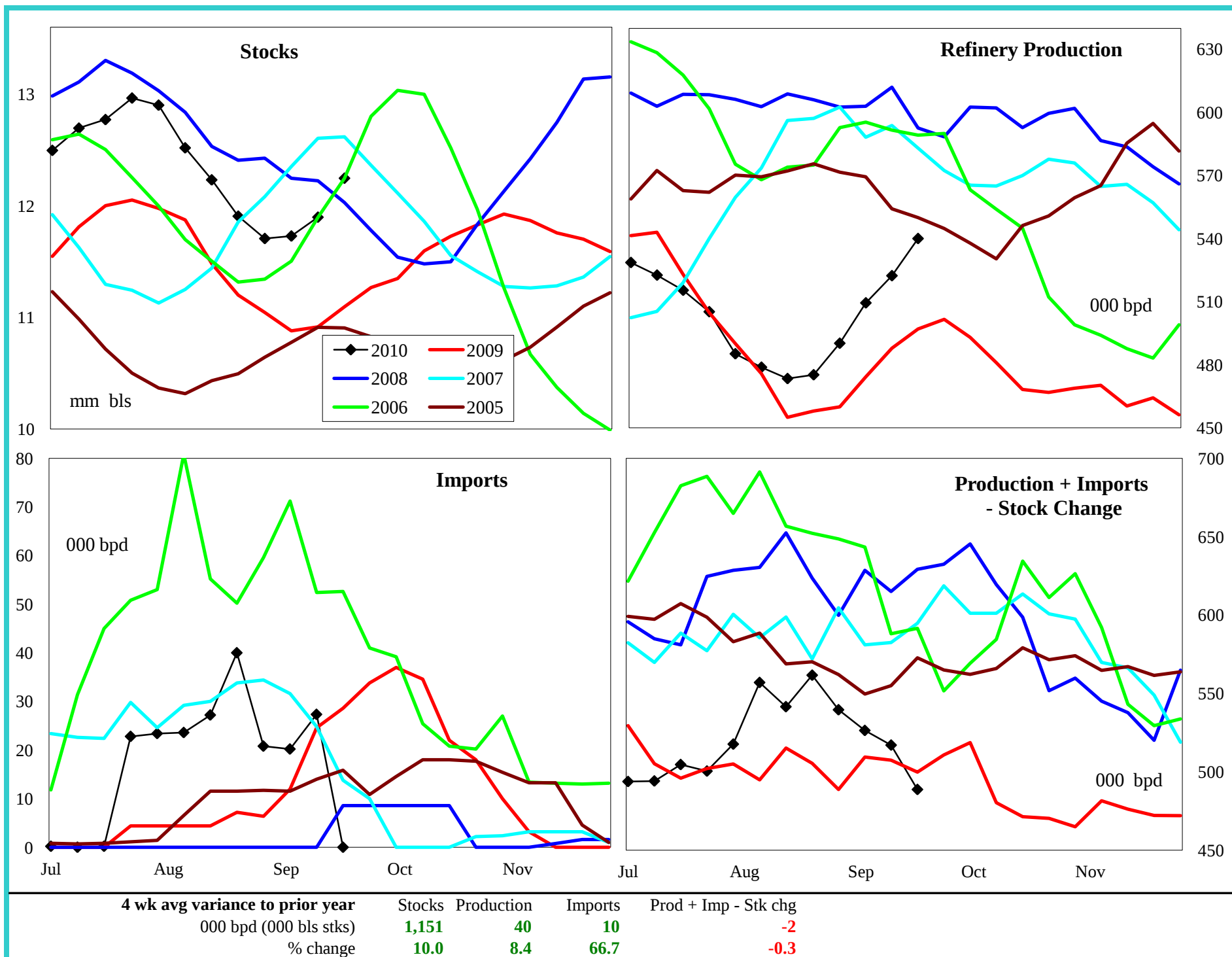
PADD 5 Conventional Gasoline Supply



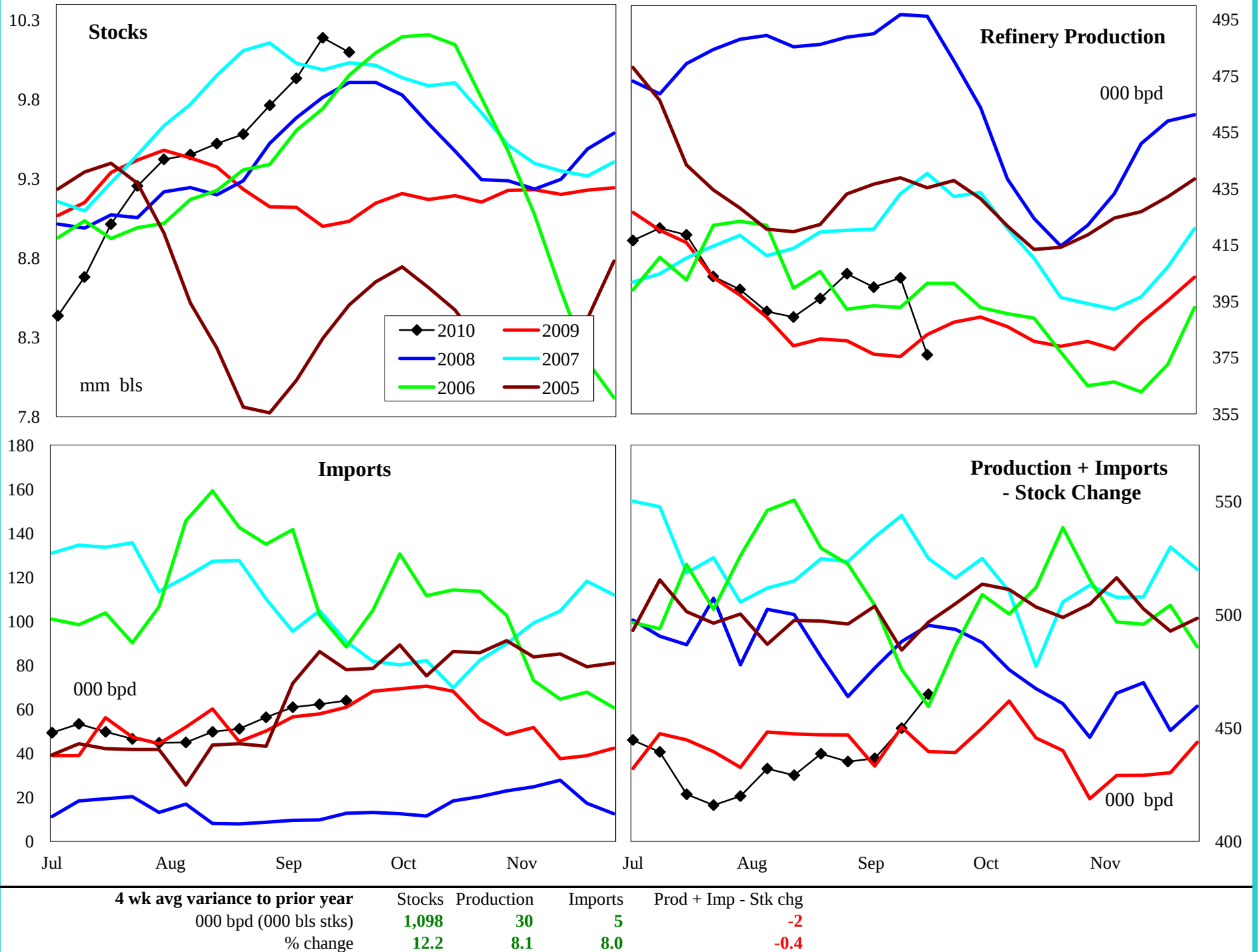
4 wk avg variance to prior year
 000 bpd (000 bls stks)
 % change

Stocks	Production	Imports	Prod + Imp - Stk chg
2,258	8	21	-48
18.7	1.7	233.3	-9.9

PADD 5 Distillate Supply



PADD 5 Jet Fuel Supply



PADD 5 Residual Fuel Oil Supply

